

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141405.D
 Acq On : 04 Feb 2025 13:47
 Operator : RC/JU
 Sample : PB166360BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 04 14:17:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	88432	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	354444	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	192238	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	331523	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	256577	20.000	ng	-0.01
86) Perylene-d12	15.421	264	210910	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	769318	133.556	ng	0.00
7) Phenol-d6	6.434	99	936922	127.858	ng	0.00
23) Nitrobenzene-d5	7.357	82	623241	92.695	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	271316	153.949	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1183823	94.785	ng	-0.01
79) Terphenyl-d14	12.904	244	1416066	85.114	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.546	88	99205	39.160	ng	99
3) Pyridine	3.275	79	223408	36.601	ng	98
4) n-Nitrosodimethylamine	3.216	42	151052	43.320	ng	90
6) Aniline	6.451	93	235017	37.888	ng	# 22
8) 2-Chlorophenol	6.581	128	264577	42.853	ng	96
9) Benzaldehyde	6.340	77	205545	48.426	ng	98
10) Phenol	6.446	94	311602	40.114	ng	# 65
11) bis(2-Chloroethyl)ether	6.528	93	239698	40.245	ng	98
12) 1,3-Dichlorobenzene	6.728	146	274342	40.300	ng	99
13) 1,4-Dichlorobenzene	6.804	146	276285	40.400	ng	99
14) 1,2-Dichlorobenzene	6.957	146	266079	41.550	ng	99
15) Benzyl Alcohol	6.934	79	230635	46.055	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	403685	38.977	ng	55
17) 2-Methylphenol	7.057	107	204968	40.848	ng	# 89
18) Hexachloroethane	7.298	117	104293	41.339	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	182475	41.908	ng	99
20) 3+4-Methylphenols	7.204	107	263250	42.728	ng	91
22) Acetophenone	7.198	105	403906	47.941	ng	# 97
24) Nitrobenzene	7.375	77	280239	40.220	ng	100
25) Isophorone	7.610	82	496476	42.717	ng	99
26) 2-Nitrophenol	7.687	139	137753	41.920	ng	94
27) 2,4-Dimethylphenol	7.734	122	218249m	52.180	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	296047	39.933	ng	99
29) 2,4-Dichlorophenol	7.940	162	219155	42.800	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	235183	40.218	ng	100
31) Naphthalene	8.092	128	760572	40.619	ng	100
32) Benzoic acid	7.857	122	180009	46.816	ng	97
33) 4-Chloroaniline	8.145	127	115619	18.209	ng	98
34) Hexachlorobutadiene	8.210	225	146819	42.813	ng	99
35) Caprolactam	8.510	113	76562m	45.783	ng	
36) 4-Chloro-3-methylphenol	8.640	107	240374	43.764	ng	96
37) 2-Methylnaphthalene	8.787	142	481699	40.476	ng	99
38) 1-Methylnaphthalene	8.887	142	466741	39.925	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	256112	46.830	ng	99
41) Hexachlorocyclopentadiene	8.939	237	304265	188.383	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	157506	44.001	ng	100

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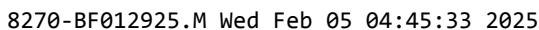
Quant Time: Feb 04 14:17:57 2025
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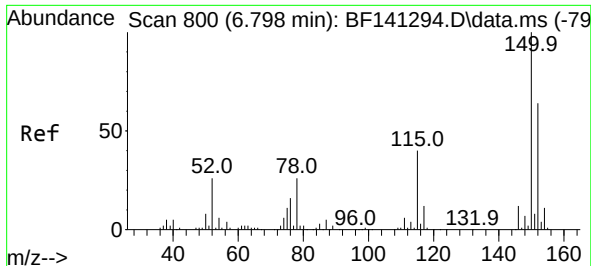
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	166270	42.677	ng	99
46) 1,1'-Biphenyl	9.251	154	697536	46.526	ng	99
47) 2-Chloronaphthalene	9.275	162	474573	40.612	ng	99
48) 2-Nitroaniline	9.375	65	160837	43.758	ng	97
49) Acenaphthylene	9.692	152	742670	45.402	ng	100
50) Dimethylphthalate	9.551	163	559047	43.058	ng	99
51) 2,6-Dinitrotoluene	9.616	165	122811	40.738	ng	98
52) Acenaphthene	9.863	154	562051m	48.096	ng	
53) 3-Nitroaniline	9.781	138	68407	23.152	ng	94
54) 2,4-Dinitrophenol	9.892	184	154202	110.036	ng	92
55) Dibenzofuran	10.034	168	670888	42.889	ng	97
56) 4-Nitrophenol	9.963	139	216899	100.375	ng	91
57) 2,4-Dinitrotoluene	10.022	165	172043	44.078	ng	94
58) Fluorene	10.381	166	529308	43.624	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	144118	47.020	ng	98
60) Diethylphthalate	10.257	149	546694	43.426	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	253263	42.731	ng	96
62) 4-Nitroaniline	10.398	138	125138	43.079	ng	90
63) Azobenzene	10.533	77	534762	42.436	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	99101	50.537	ng	98
66) n-Nitrosodiphenylamine	10.492	169	467566	43.605	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	160678	43.292	ng	98
68) Hexachlorobenzene	10.928	284	171129	43.467	ng	98
69) Atrazine	11.022	200	183809	51.270	ng	99
70) Pentachlorophenol	11.128	266	221801	96.208	ng	99
71) Phenanthrene	11.339	178	802178	45.014	ng	100
72) Anthracene	11.392	178	822918	47.129	ng	100
73) Carbazole	11.551	167	716227	46.259	ng	99
74) Di-n-butylphthalate	11.880	149	862780	45.981	ng	99
75) Fluoranthene	12.527	202	863695	49.085	ng	98
77) Benzidine	12.657	184	410980	49.964	ng	99
78) Pyrene	12.757	202	881155	35.777	ng	100
80) Butylbenzylphthalate	13.380	149	360119	41.853	ng	98
81) Benzo(a)anthracene	13.951	228	716906	40.491	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	115963	20.593	ng	99
83) Chrysene	13.986	228	689060	42.465	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	480602	44.032	ng	99
85) Di-n-octyl phthalate	14.569	149	750526	44.271	ng	99
87) Indeno(1,2,3-cd)pyrene	16.863	276	575069	42.245	ng	96
88) Benzo(b)fluoranthene	15.004	252	598008	45.076	ng	98
89) Benzo(k)fluoranthene	15.033	252	545420	46.408	ng	99
90) Benzo(a)pyrene	15.363	252	528708	47.160	ng	98
91) Dibenzo(a,h)anthracene	16.880	278	463193	42.293	ng	98
92) Benzo(g,h,i)perylene	17.298	276	436604	38.340	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

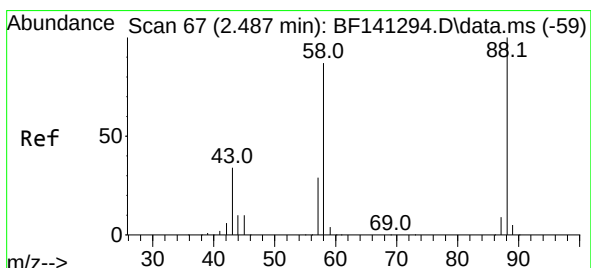
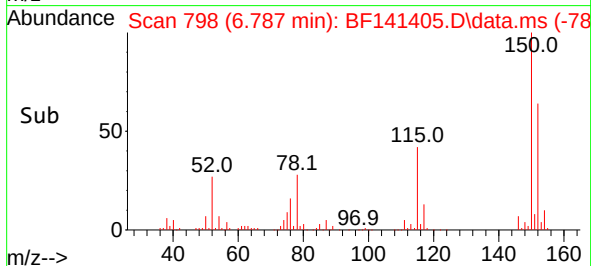
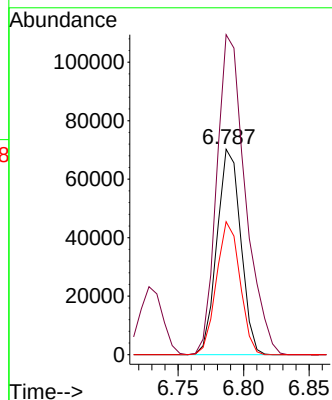
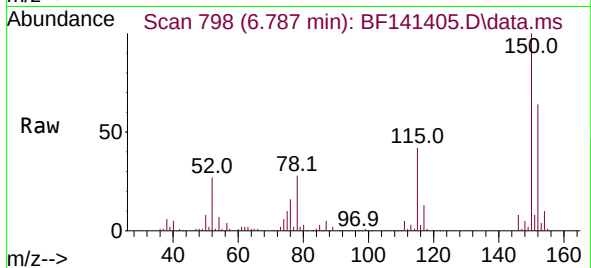
PB166360BS

Tgt Ion:152 Resp: 8843
Ion Ratio Lower Upper
152 100
150 155.8 125.9 188.9
115 64.7 49.7 74.5

Manual Integrations

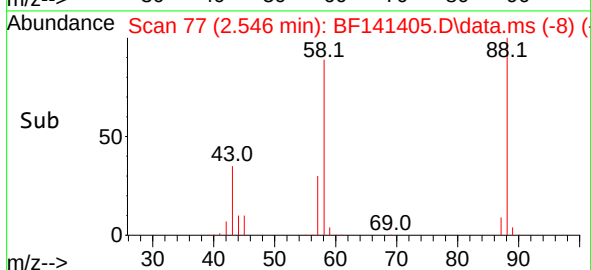
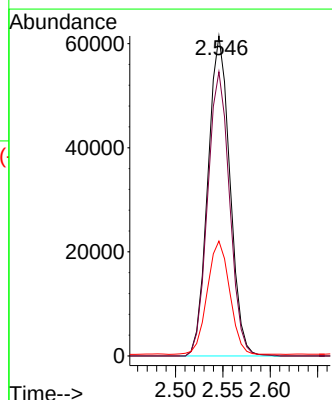
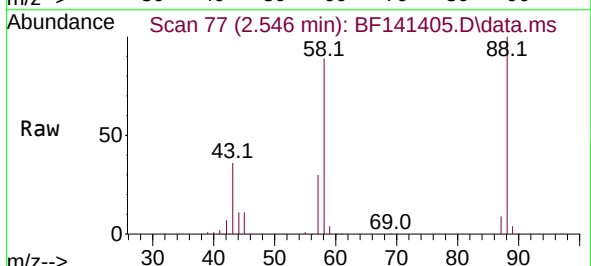
APPROVED

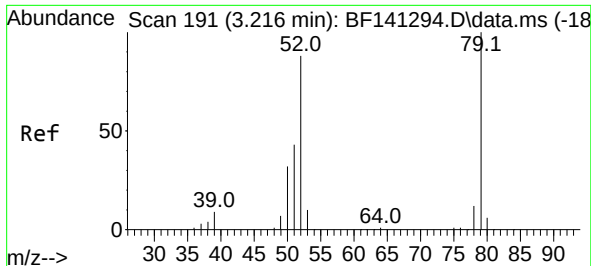
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#2
1,4-Dioxane
Concen: 39.160 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.053 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 88 Resp: 99205
Ion Ratio Lower Upper
88 100
58 88.6 70.2 105.4
43 36.0 27.6 41.4





#3
Pyridine
Concen: 36.601 ng
RT: 3.275 min Scan# 201
Delta R.T. 0.047 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

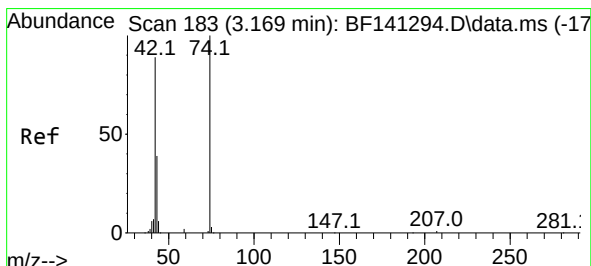
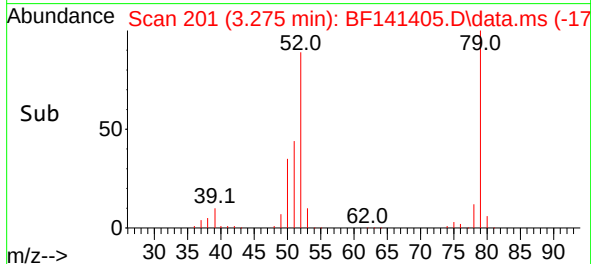
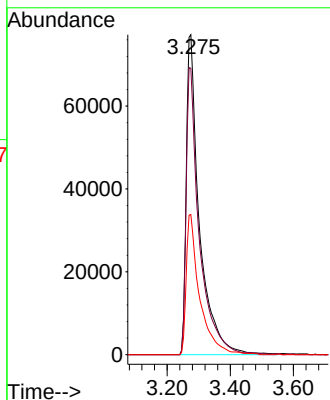
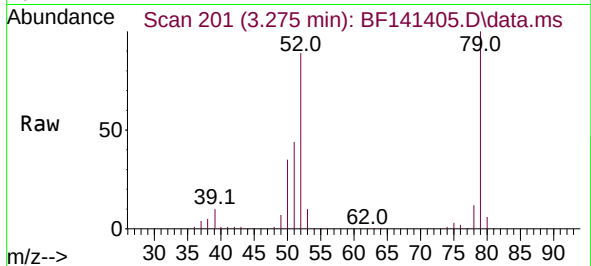
ClientSampleId :

PB166360BS

Tgt Ion: 79 Resp: 223408
Ion Ratio Lower Upper
79 100
52 89.5 70.3 105.5
51 43.8 34.3 51.5

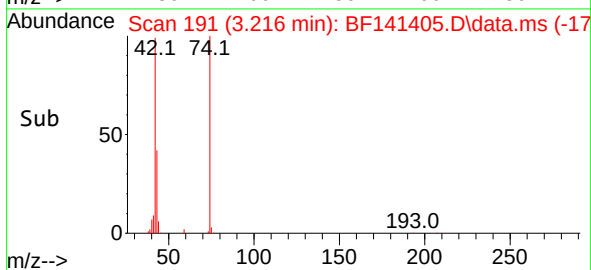
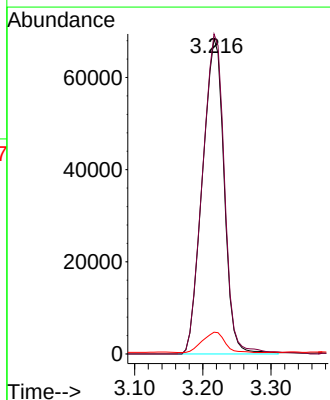
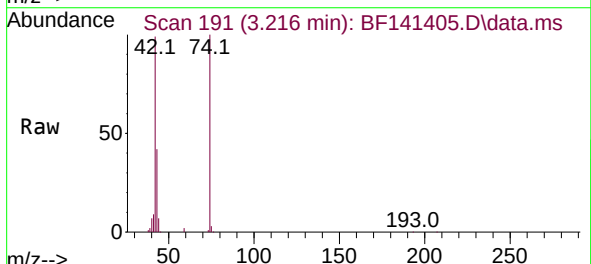
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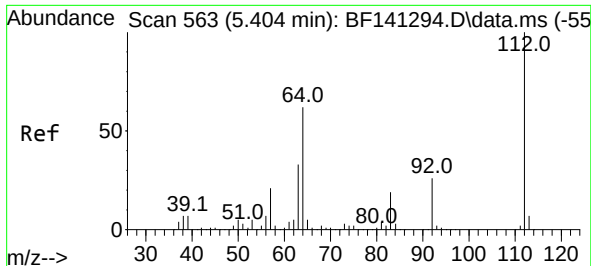
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#4
n-Nitrosodimethylamine
Concen: 43.320 ng
RT: 3.216 min Scan# 191
Delta R.T. 0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 42 Resp: 151052
Ion Ratio Lower Upper
42 100
74 101.5 90.3 135.5
44 6.9 5.7 8.5





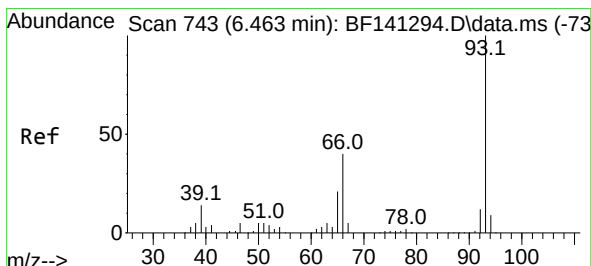
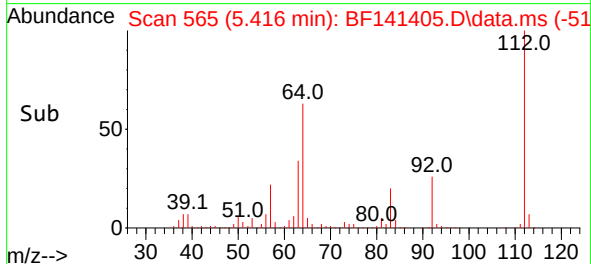
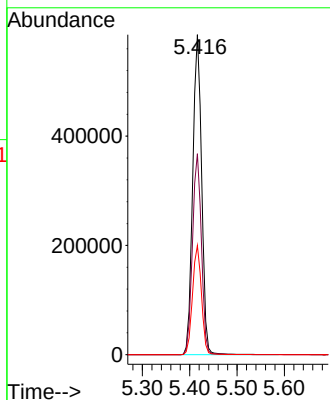
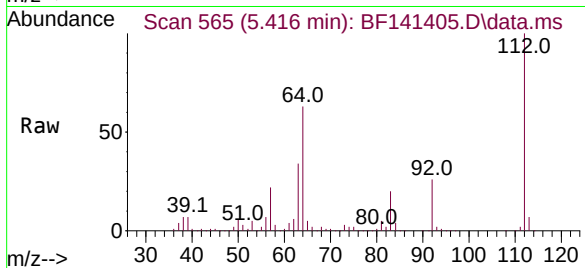
#5
2-Fluorophenol
Concen: 133.556 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:112 Resp: 769318
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 34.1 26.1 39.1

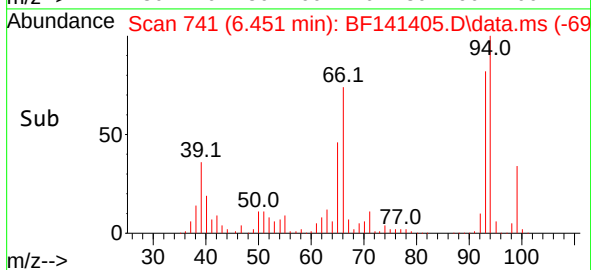
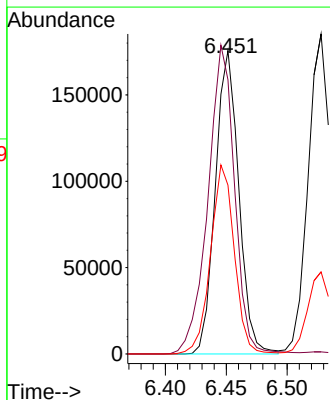
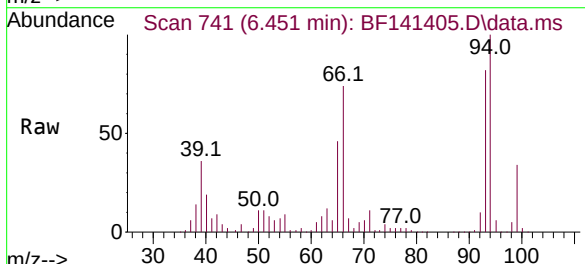
Manual Integrations
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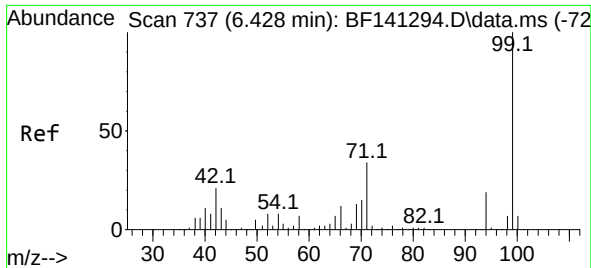
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#6
Aniline
Concen: 37.888 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

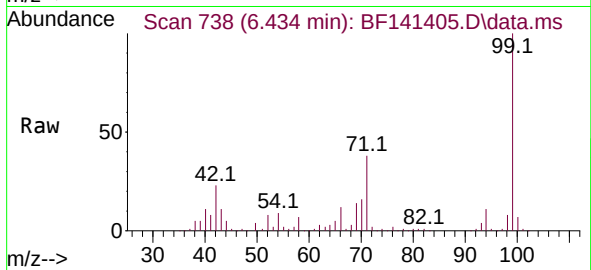
Tgt Ion: 93 Resp: 235017
Ion Ratio Lower Upper
93 100
66 90.4 32.5 48.7#
65 55.6 17.0 25.6#





#7
Phenol-d6
Concen: 127.858 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

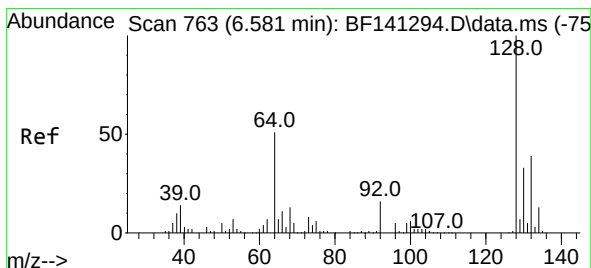
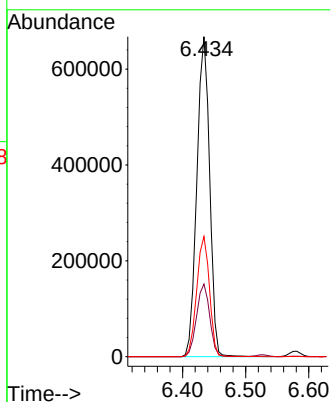
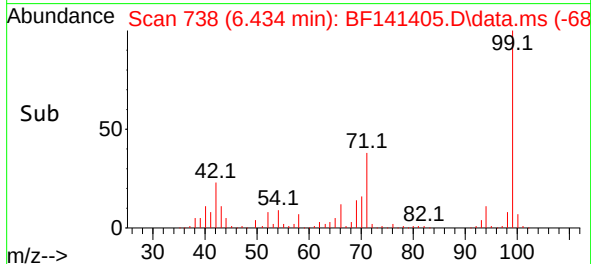
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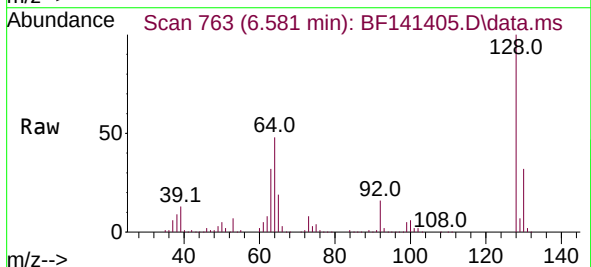
Tgt Ion: 99 Resp: 93692
Ion Ratio Lower Upper
99 100
42 22.7 17.1 25.7
71 37.5 26.9 40.3

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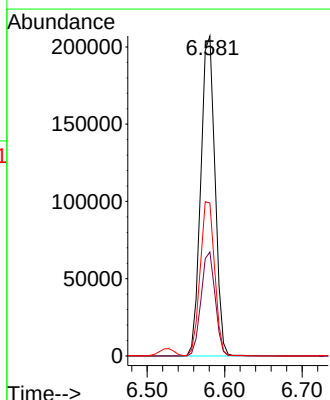
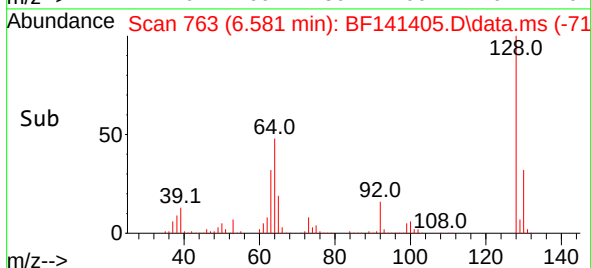
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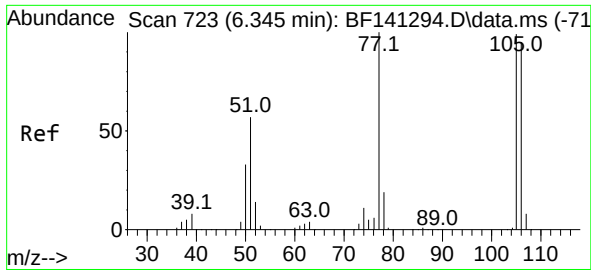


#8
2-Chlorophenol
Concen: 42.853 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:128 Resp: 264577
Ion Ratio Lower Upper
128 100
130 32.5 12.5 52.5
64 47.8 32.9 72.9





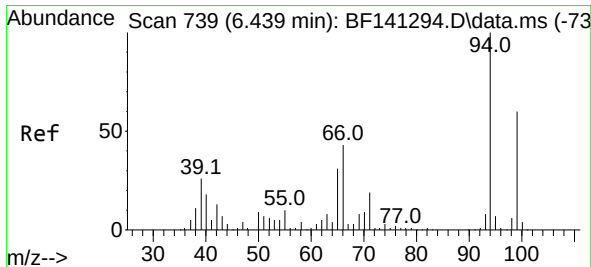
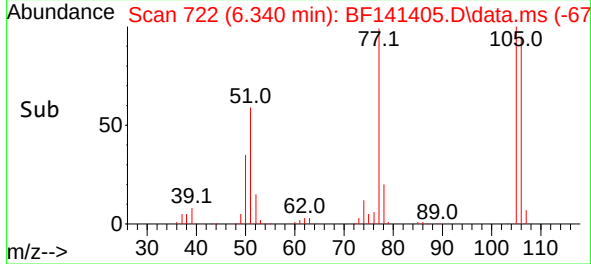
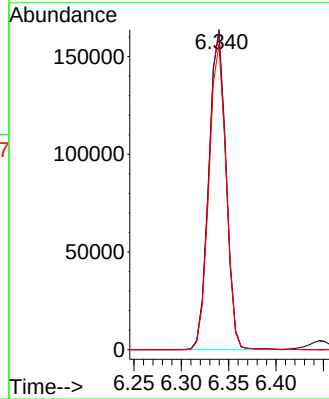
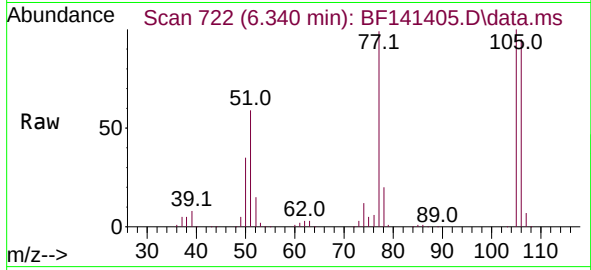
#9
Benzaldehyde
Concen: 48.426 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
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ClientSampleId :
PB166360BS

Tgt Ion: 77 Resp: 20554
Ion Ratio Lower Upper
77 100
105 100.9 79.4 119.4
106 96.3 74.6 114.6

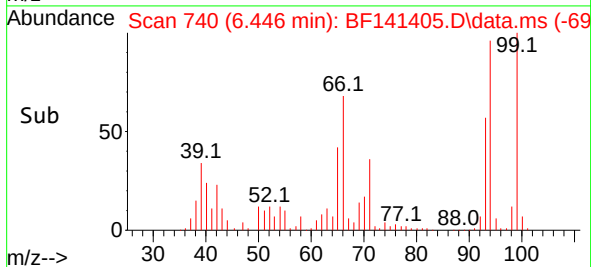
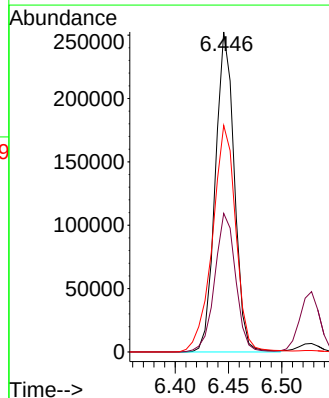
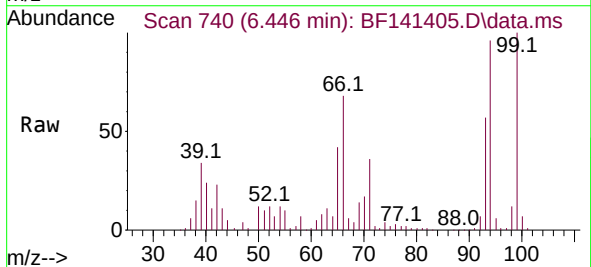
Manual Integrations
APPROVED

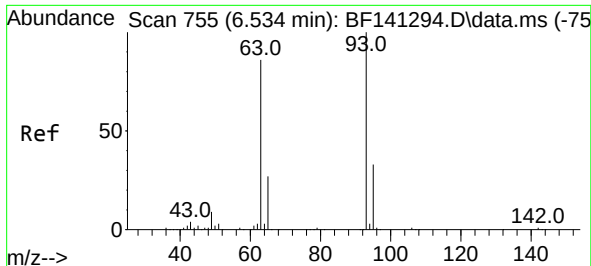
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#10
Phenol
Concen: 40.114 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 94 Resp: 311602
Ion Ratio Lower Upper
94 100
65 43.3 10.8 50.8
66 70.8 23.3 63.3





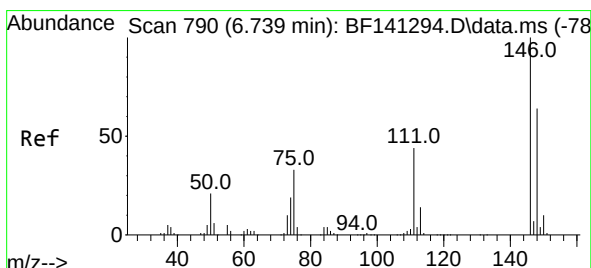
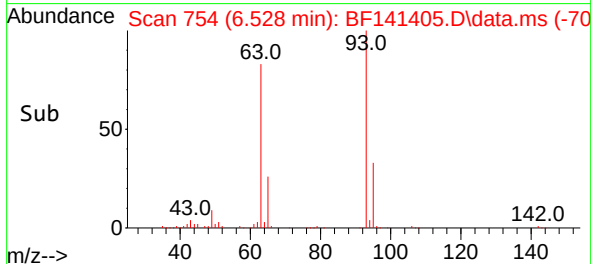
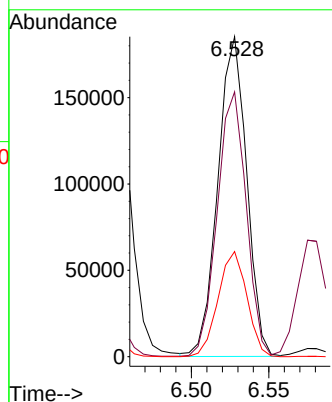
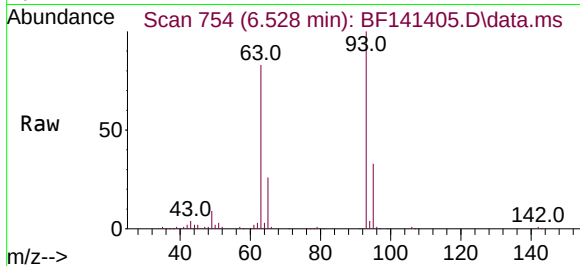
#11
bis(2-Chloroethyl)ether
Concen: 40.245 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion: 93 Resp: 239698
Ion Ratio Lower Upper
93 100
63 82.7 65.0 105.0
95 32.8 12.4 52.4

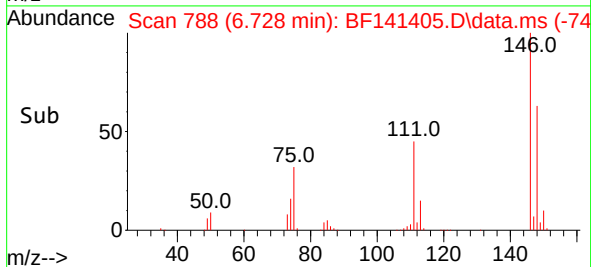
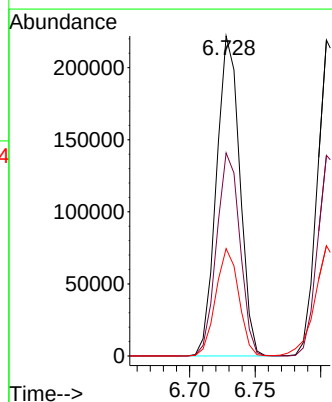
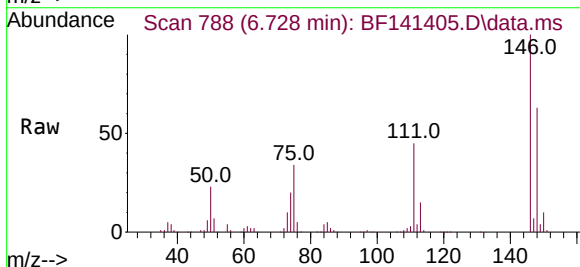
Manual Integrations
APPROVED

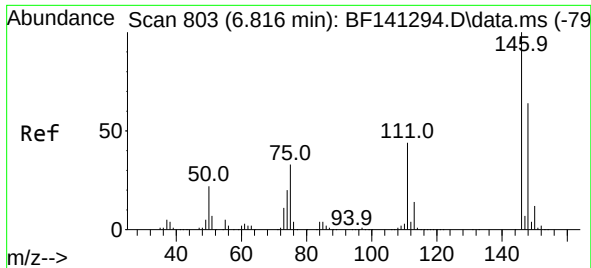
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#12
1,3-Dichlorobenzene
Concen: 40.300 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:146 Resp: 274342
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
75 33.5 26.2 39.4





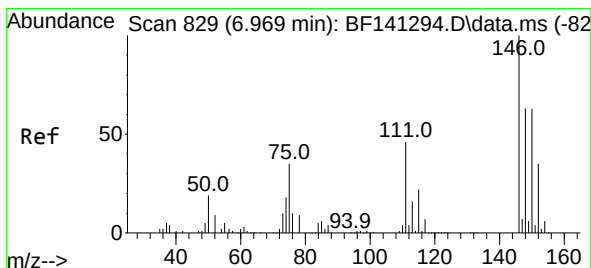
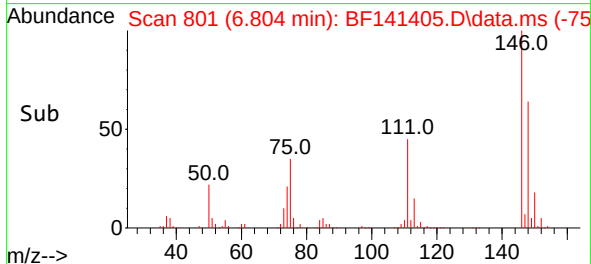
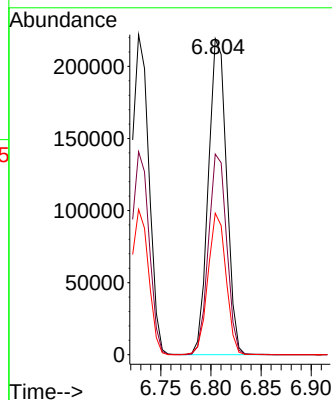
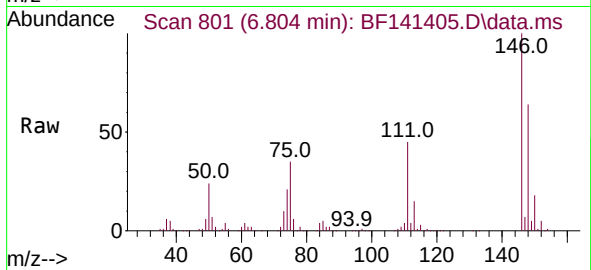
#13
1,4-Dichlorobenzene
Concen: 40.400 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:146 Resp: 276285
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
111 44.8 35.0 52.4

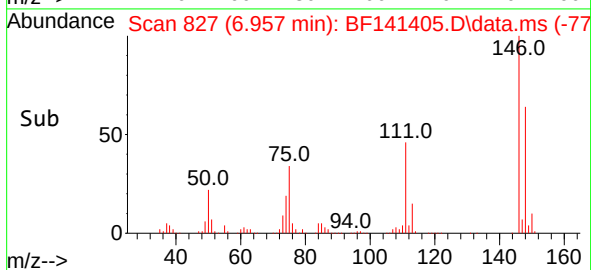
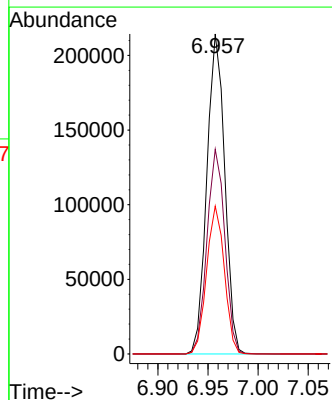
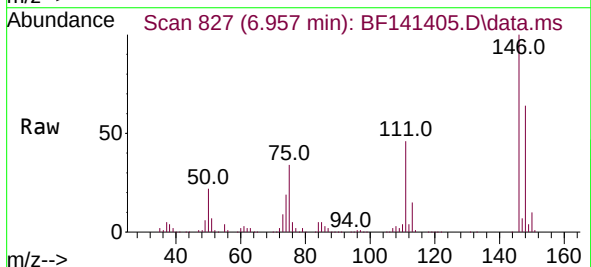
Manual Integrations
APPROVED

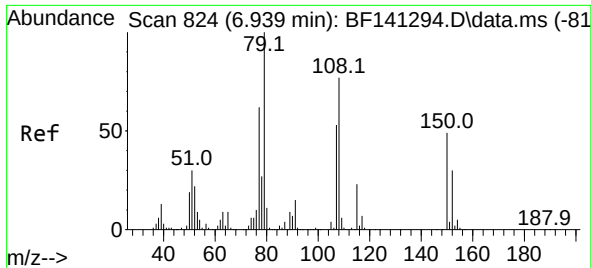
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#14
1,2-Dichlorobenzene
Concen: 41.550 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

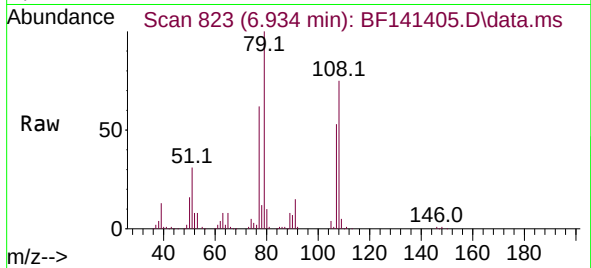
Tgt Ion:146 Resp: 266079
Ion Ratio Lower Upper
146 100
148 63.9 50.5 75.7
111 46.2 36.6 55.0





#15
Benzyl Alcohol
Concen: 46.055 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

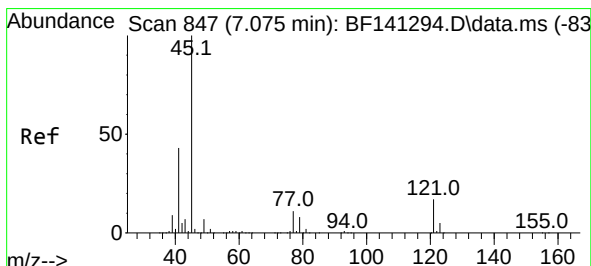
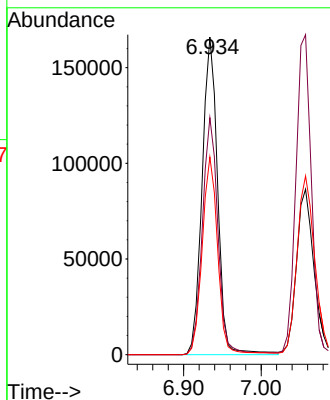
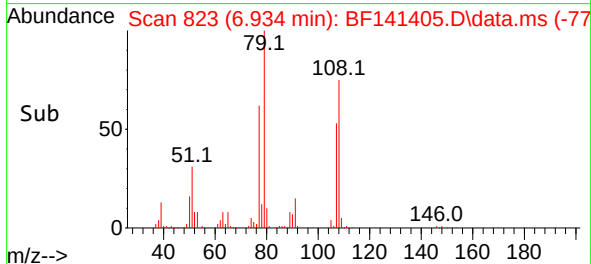
Instrument :
BNA_F
ClientSampleId :
PB166360BS



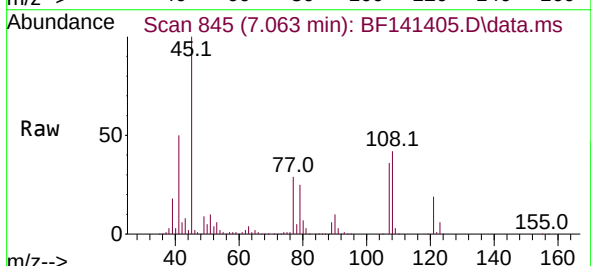
Tgt Ion: 79 Resp: 23063
Ion Ratio Lower Upper
79 100
108 74.6 61.4 92.0
77 62.2 49.9 74.9

Manual Integrations
APPROVED

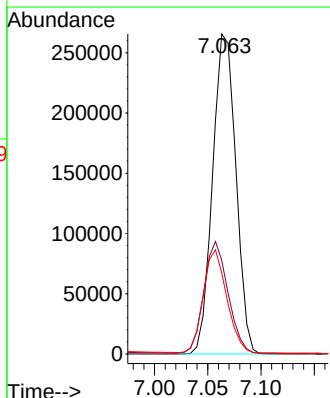
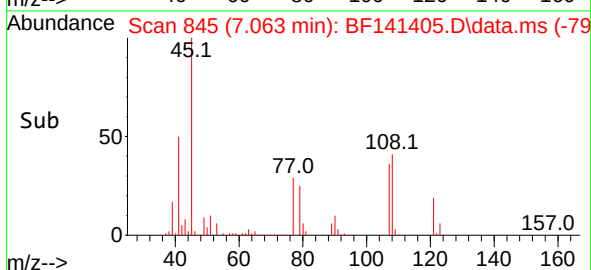
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

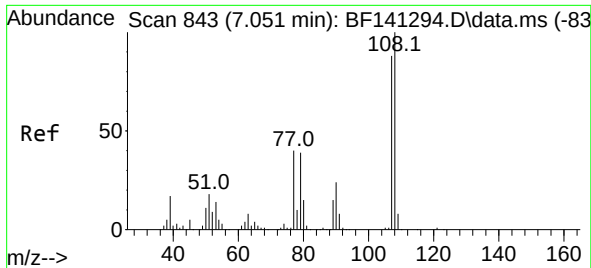


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.977 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



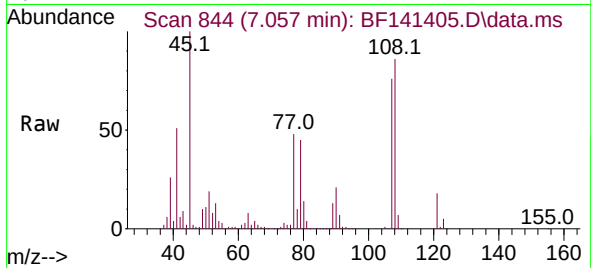
Tgt Ion: 45 Resp: 403685
Ion Ratio Lower Upper
45 100
77 29.3 0.0 31.8
79 25.3 0.0 29.1





#17
2-Methylphenol
Concen: 40.848 ng
RT: 7.057 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

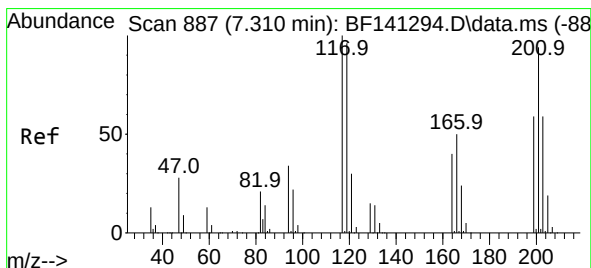
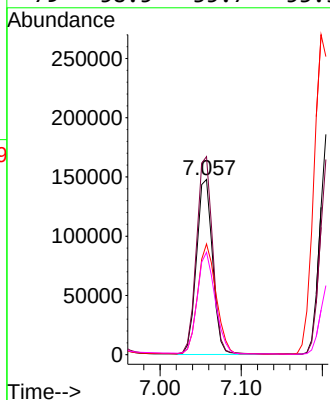
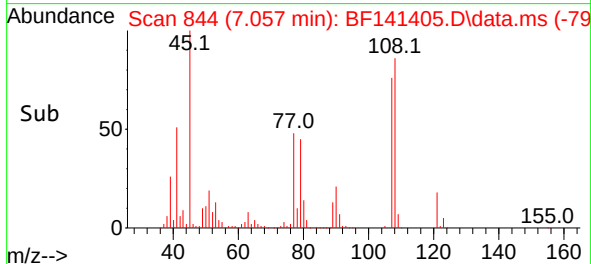
Instrument :
BNA_F
ClientSampleId :
PB166360BS



Tgt Ion:107 Resp: 204968
Ion Ratio Lower Upper
107 100
108 113.1 90.8 136.2
77 63.2 36.2 54.4
79 58.5 35.7 53.5#

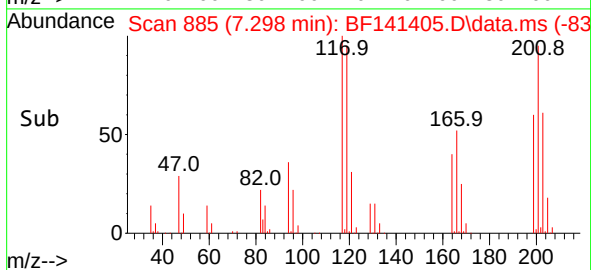
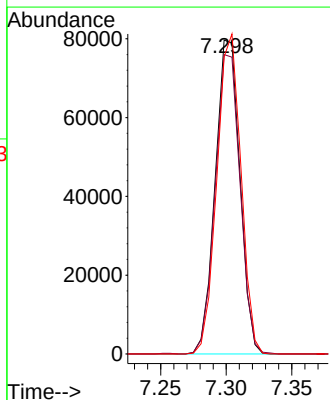
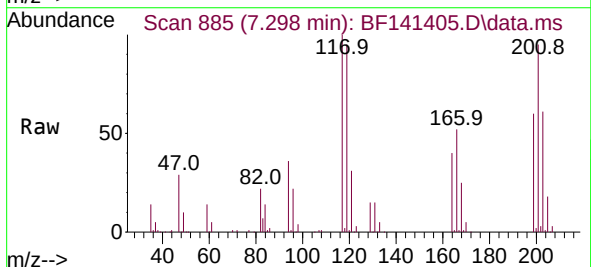
Manual Integrations
APPROVED

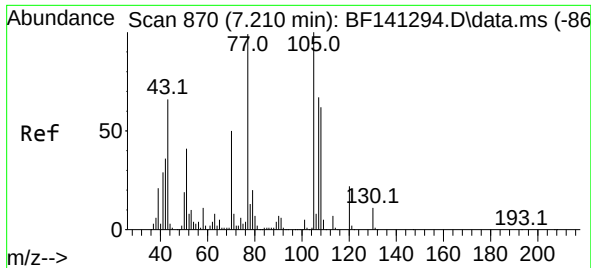
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#18
Hexachloroethane
Concen: 41.339 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:117 Resp: 104293
Ion Ratio Lower Upper
117 100
119 95.4 76.6 114.8
201 94.6 74.8 112.2





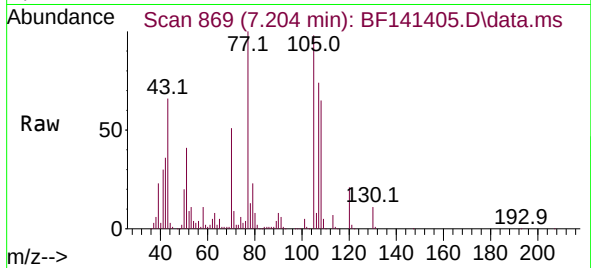
#19
n-Nitroso-di-n-propylamine
Concen: 41.908 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

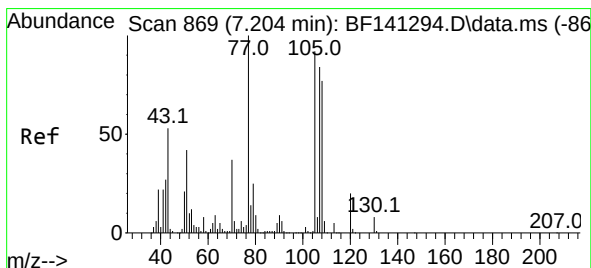
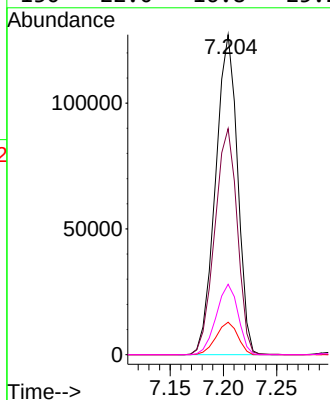
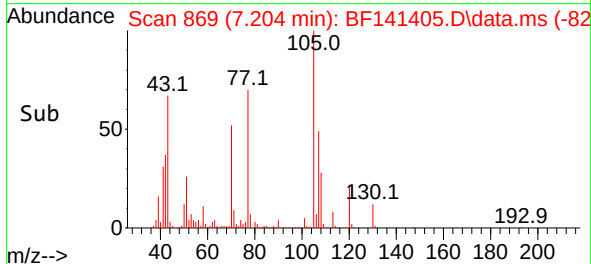


Tgt Ion: 70 Resp: 182475
Ion Ratio Lower Upper
70 100
42 70.6 56.8 85.2
101 10.2 7.7 11.5
130 22.0 16.8 25.2

Manual Integrations

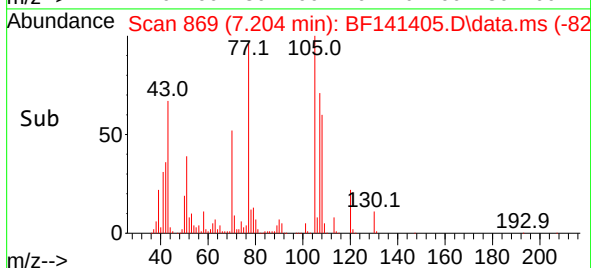
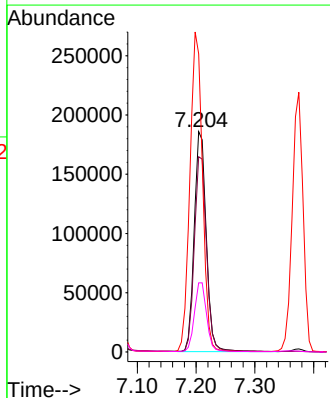
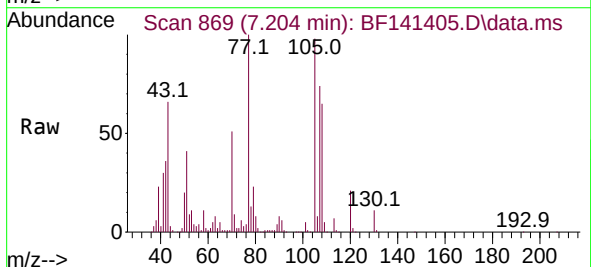
APPROVED

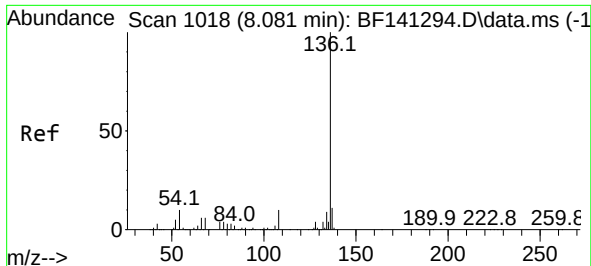
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#20
3+4-Methylphenols
Concen: 42.728 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:107 Resp: 263250
Ion Ratio Lower Upper
107 100
108 88.6 70.9 110.9
77 135.3 98.5 138.5
79 31.4 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

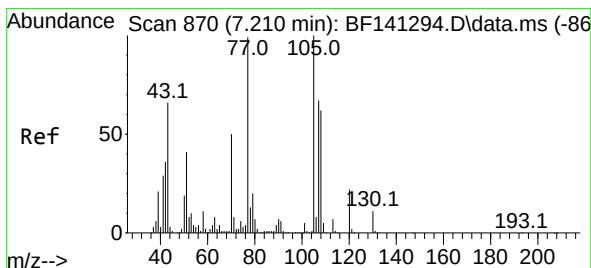
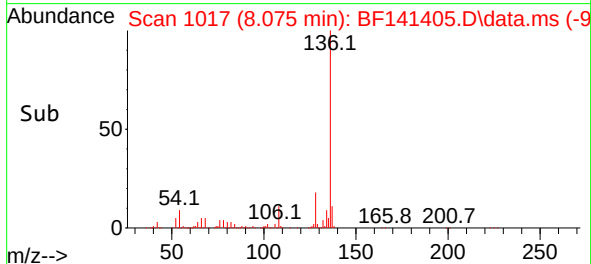
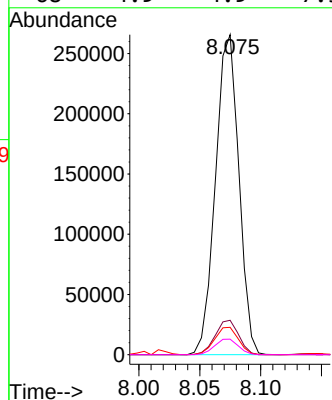
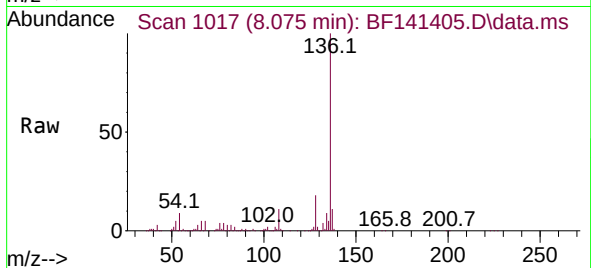
PB166360BS

Tgt Ion:136 Resp: 35444
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 7.8 11.8
68 4.9 4.9 7.3#

Manual Integrations

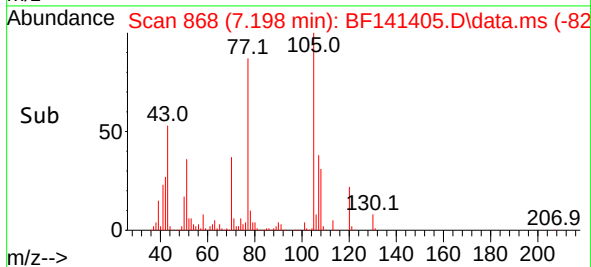
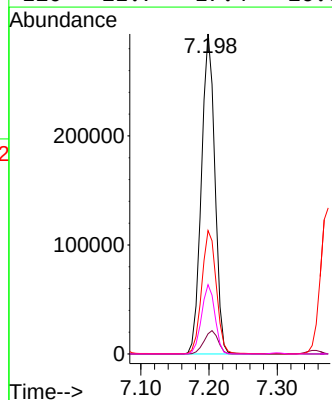
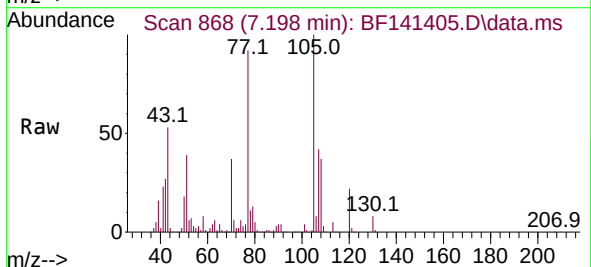
APPROVED

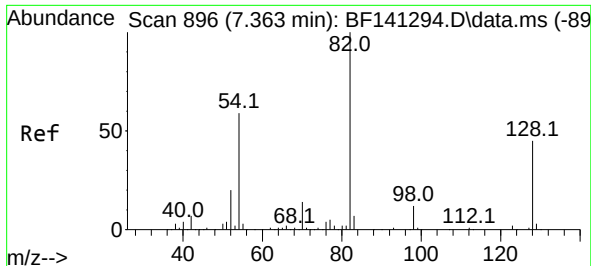
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#22
Acetophenone
Concen: 47.941 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:105 Resp: 403906
Ion Ratio Lower Upper
105 100
71 6.3 6.8 10.2#
51 38.6 32.6 49.0
120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.695 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion: 82 Resp: 62324

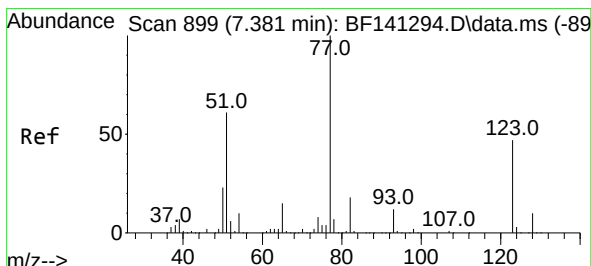
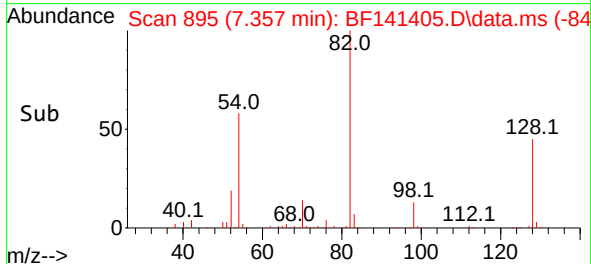
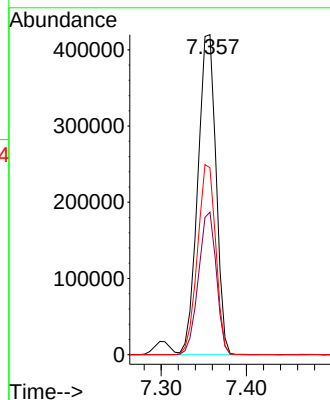
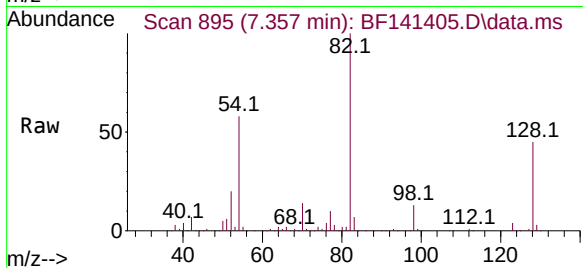
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.4	47.1	70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#24

Nitrobenzene

Concen: 40.220 ng

RT: 7.375 min Scan# 898

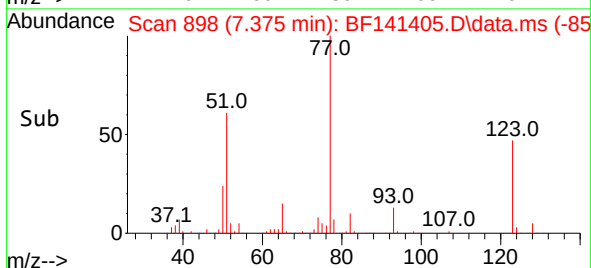
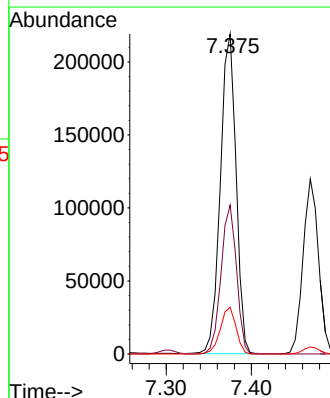
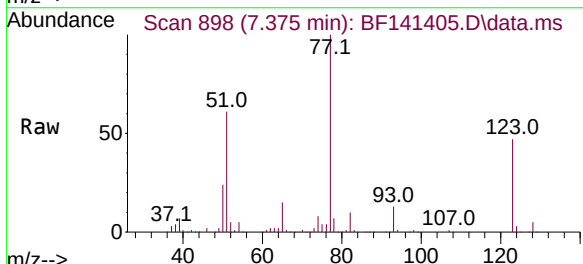
Delta R.T. -0.018 min

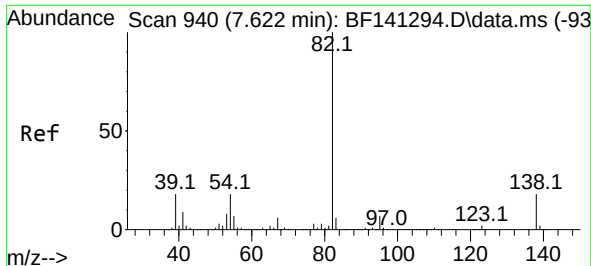
Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion: 77 Resp: 280239

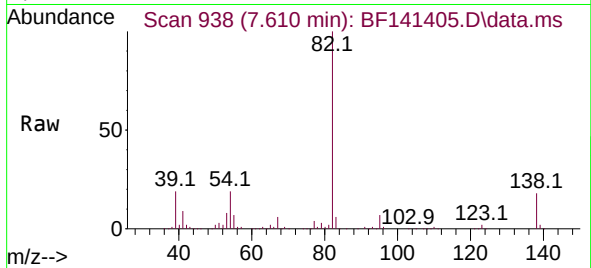
Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.6	11.8	17.6





#25
Isophorone
Concen: 42.717 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

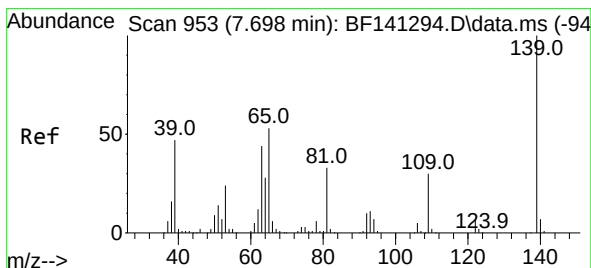
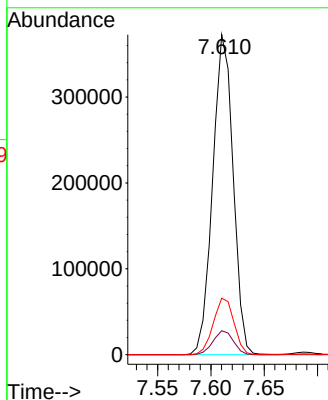
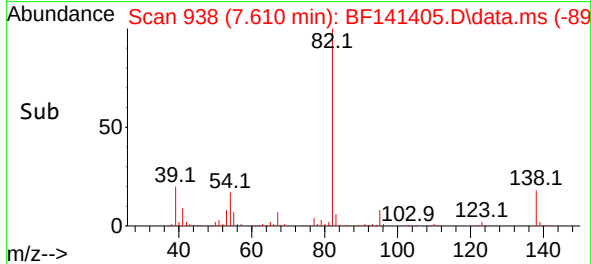
Instrument :
BNA_F
ClientSampleId :
PB166360BS



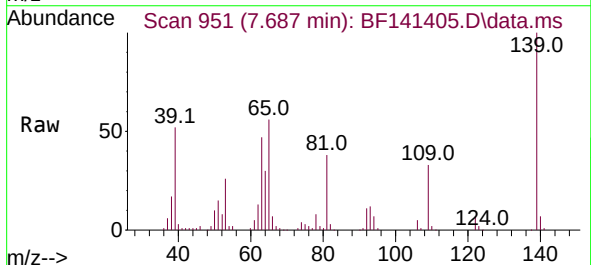
Tgt Ion: 82 Resp: 496470
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 17.7 14.7 22.1

Manual Integrations
APPROVED

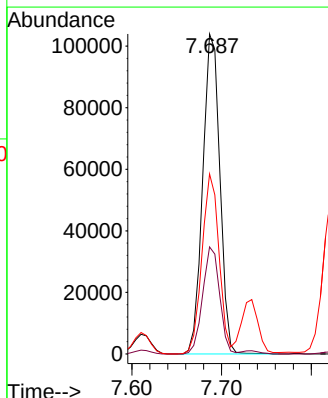
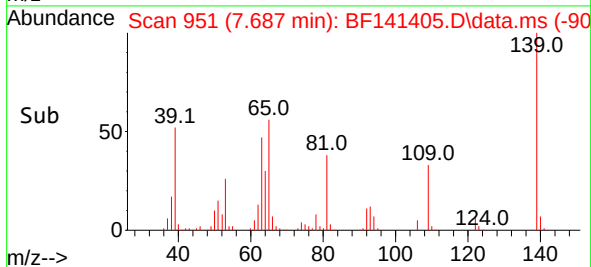
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

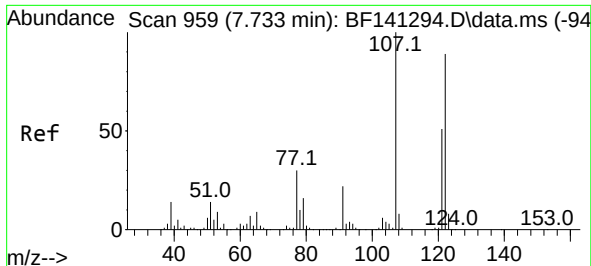


#26
2-Nitrophenol
Concen: 41.920 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:139 Resp: 137753
Ion Ratio Lower Upper
139 100
109 33.5 23.8 35.6
65 56.3 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 52.180 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141405.D

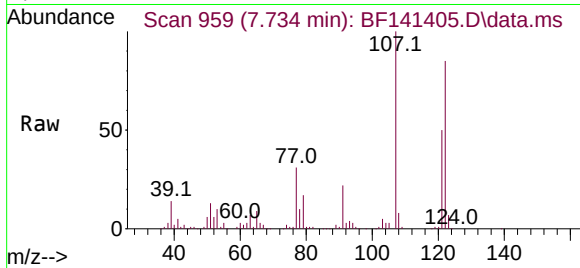
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



Tgt Ion:122 Resp: 218249

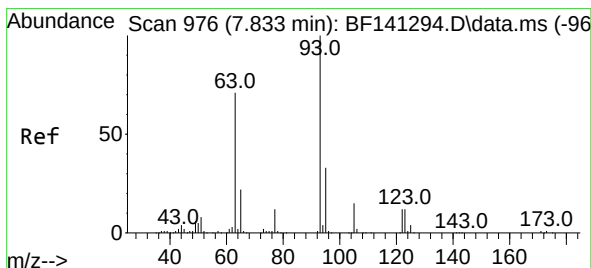
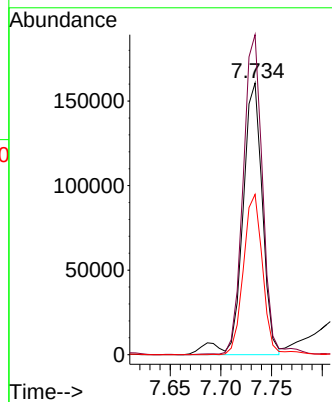
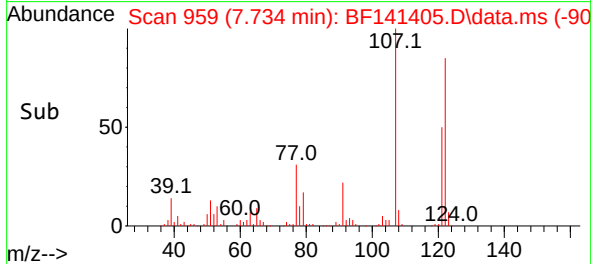
Ion	Ratio	Lower	Upper
122	100		
107	117.8	89.9	134.9
121	59.0	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#28

bis(2-Chloroethoxy)methane

Concen: 39.933 ng

RT: 7.822 min Scan# 974

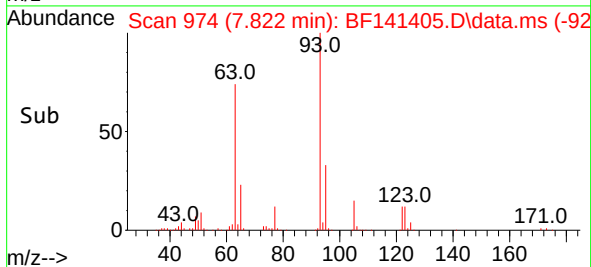
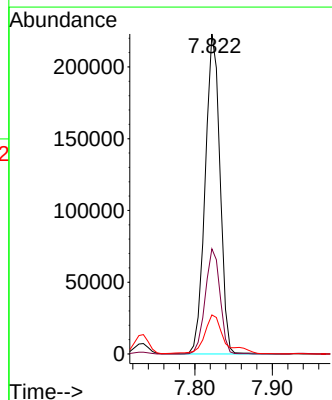
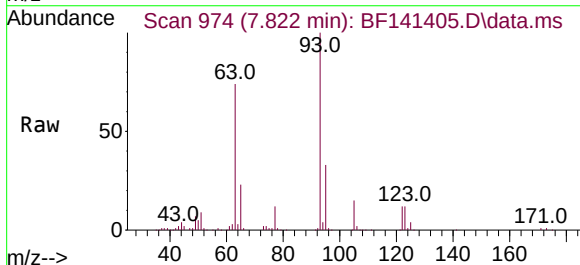
Delta R.T. -0.018 min

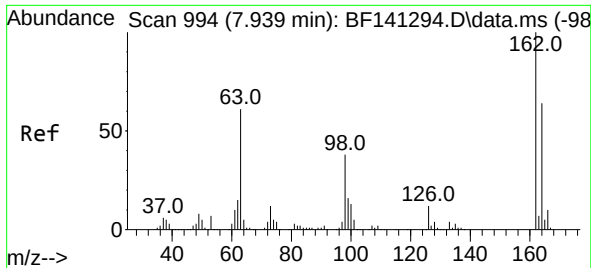
Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion: 93 Resp: 296047

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	12.2	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 42.800 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141405.D

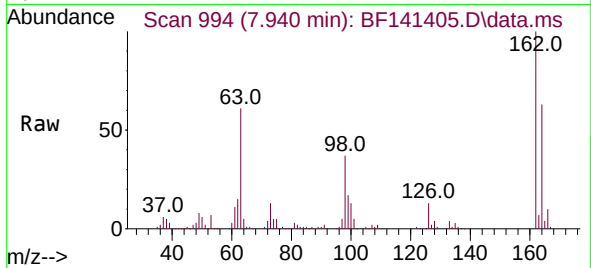
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



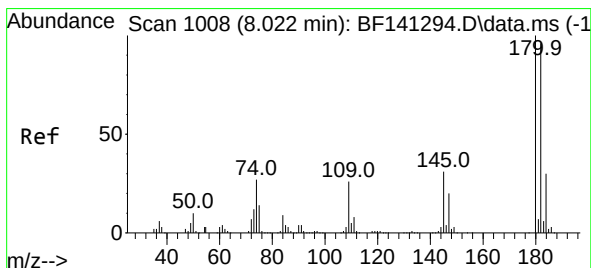
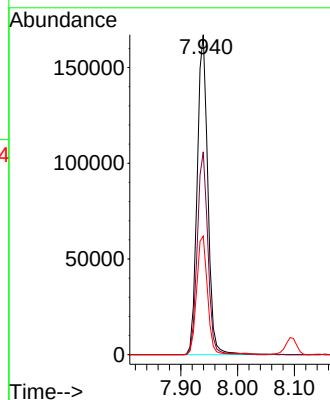
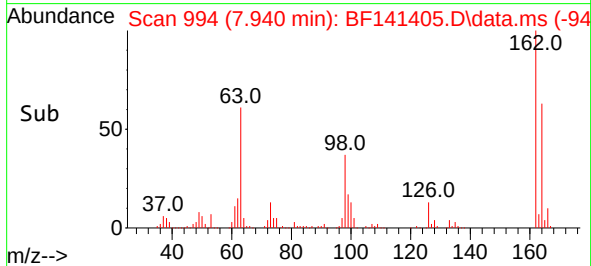
Tgt Ion:162	Resp: 21915
Ion Ratio	Lower Upper
162 100	
164 63.4	44.2 84.2
98 37.0	18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.218 ng

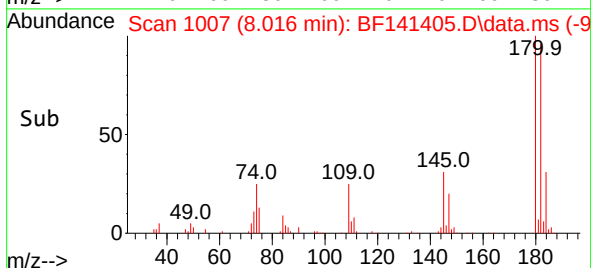
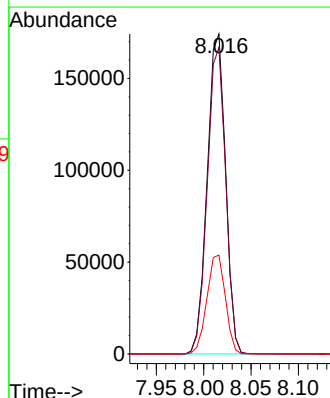
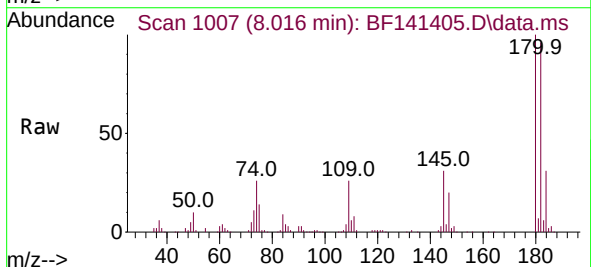
RT: 8.016 min Scan# 1007

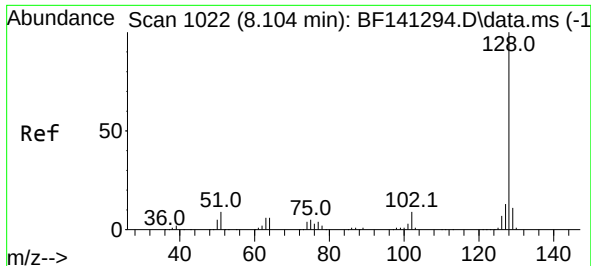
Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion:180	Resp: 235183
Ion Ratio	Lower Upper
180 100	
182 95.7	76.4 114.6
145 30.9	24.9 37.3





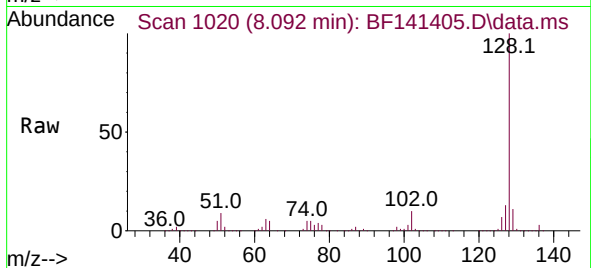
#31
Naphthalene
Concen: 40.619 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

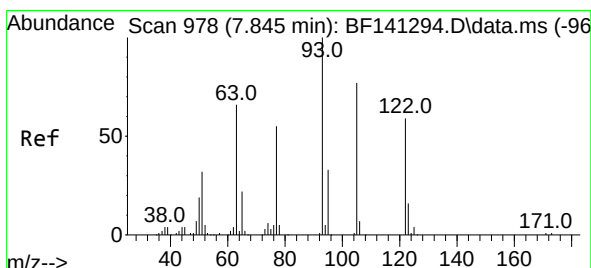
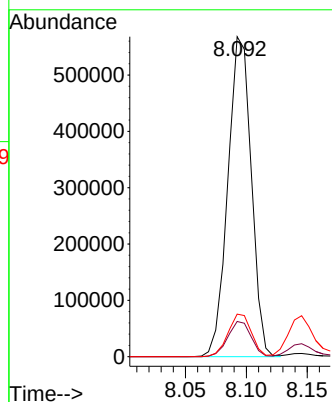
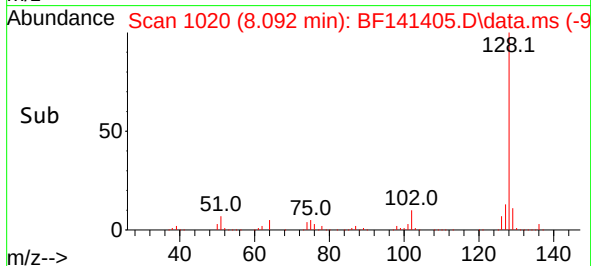


Tgt Ion:128 Resp: 760572
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.3 10.6 15.8

Manual Integrations

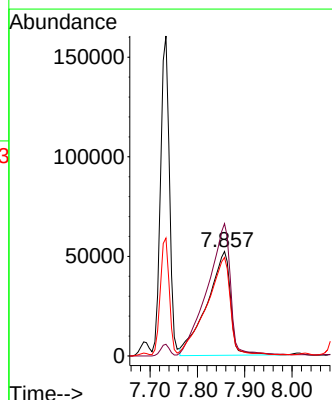
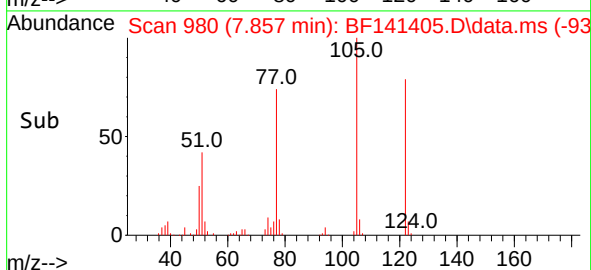
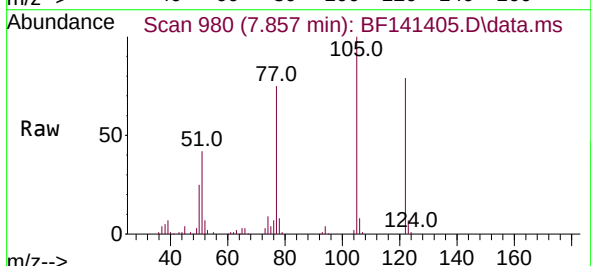
APPROVED

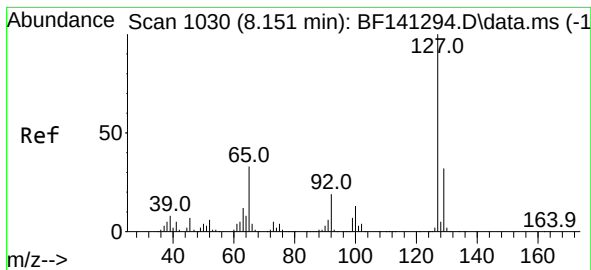
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#32
Benzoic acid
Concen: 46.816 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:122 Resp: 180009
Ion Ratio Lower Upper
122 100
105 126.6 103.4 143.4
77 94.3 70.9 110.9





#33
4-Chloroaniline
Concen: 18.209 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

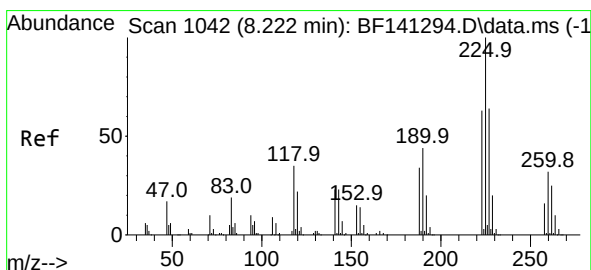
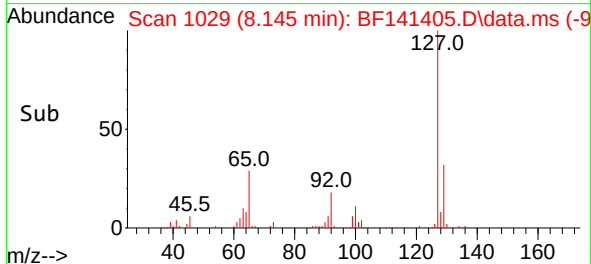
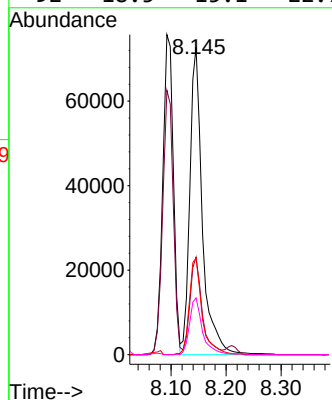
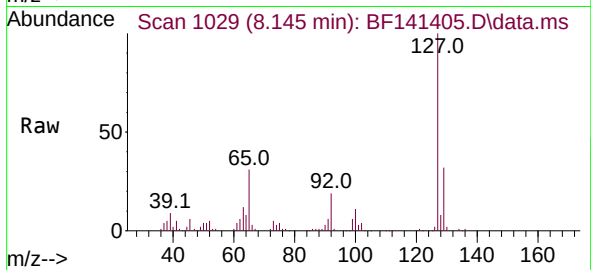
PB166360BS

Tgt Ion:127 Resp: 115619
Ion Ratio Lower Upper
127 100
129 31.7 25.7 38.5
65 31.4 26.4 39.6
92 18.5 15.1 22.7

Manual Integrations

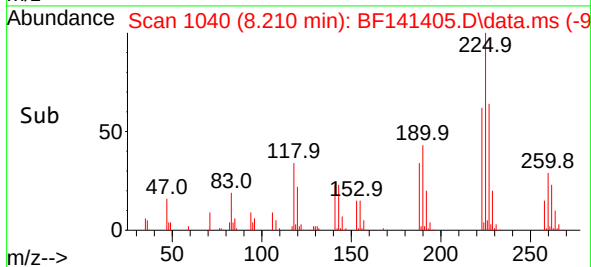
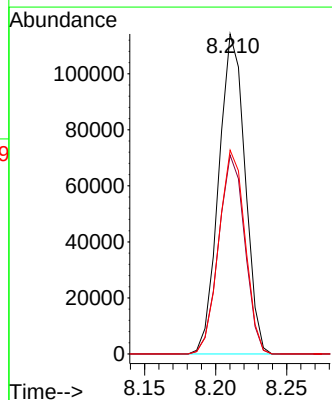
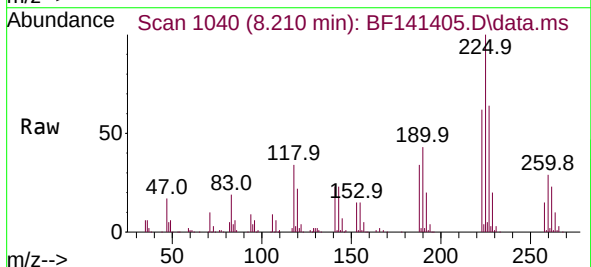
APPROVED

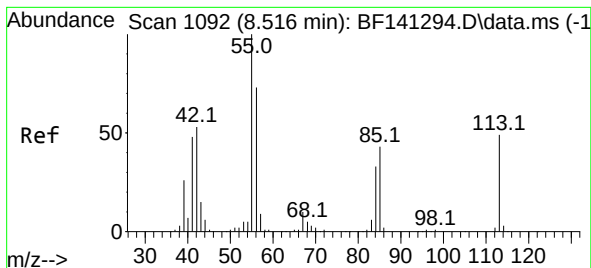
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#34
Hexachlorobutadiene
Concen: 42.813 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:225 Resp: 146819
Ion Ratio Lower Upper
225 100
223 62.1 50.4 75.6
227 63.7 51.3 76.9





#35

Caprolactam

Concen: 45.783 ng m

RT: 8.510 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

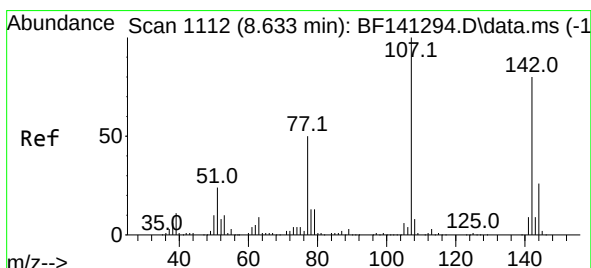
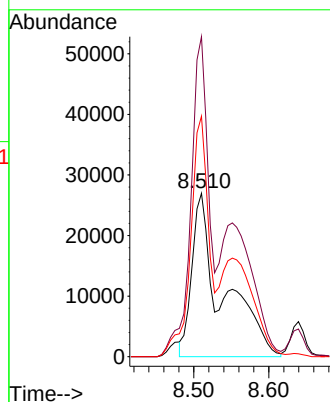
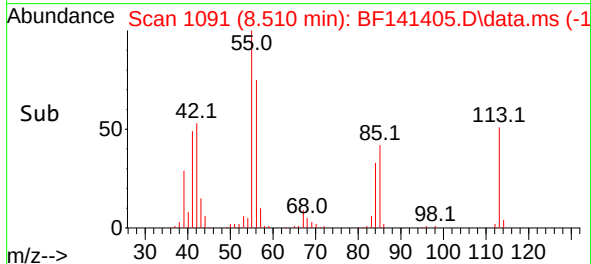
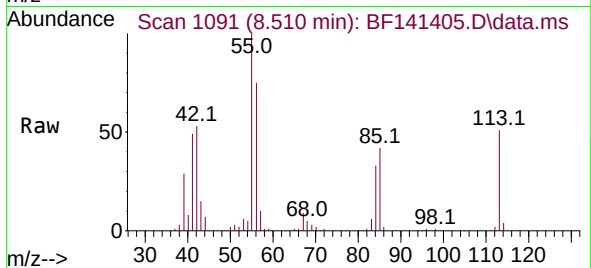
PB166360BS

Tgt Ion:113 Resp: 76562
 Ion Ratio Lower Upper
 113 100
 55 195.8 182.9 222.9
 56 147.2 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#36

4-Chloro-3-methylphenol

Concen: 43.764 ng

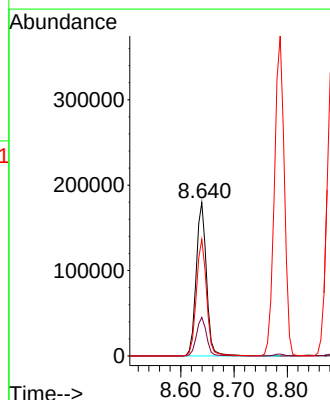
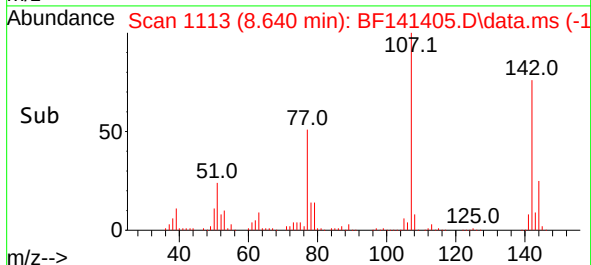
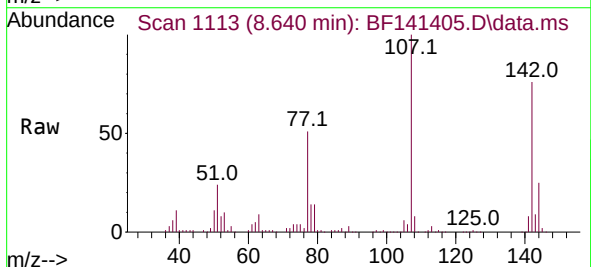
RT: 8.640 min Scan# 1113

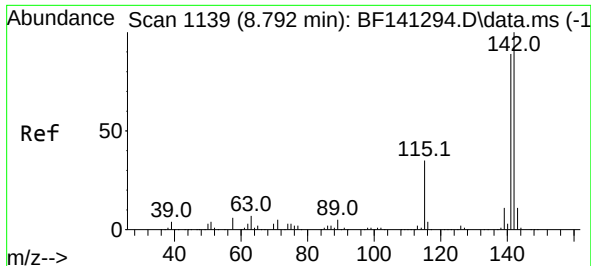
Delta R.T. -0.000 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

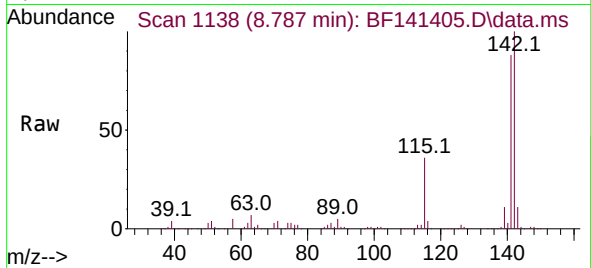
Tgt Ion:107 Resp: 240374
 Ion Ratio Lower Upper
 107 100
 144 25.1 20.7 31.1
 142 76.0 63.8 95.8





#37
2-Methylnaphthalene
Concen: 40.476 ng
RT: 8.787 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

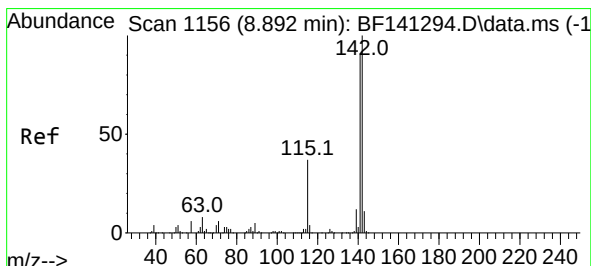
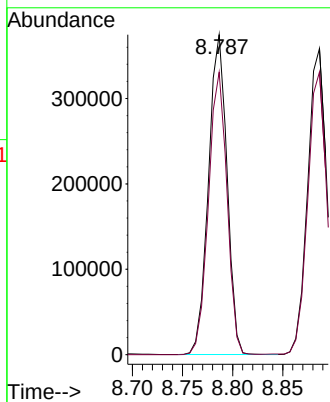
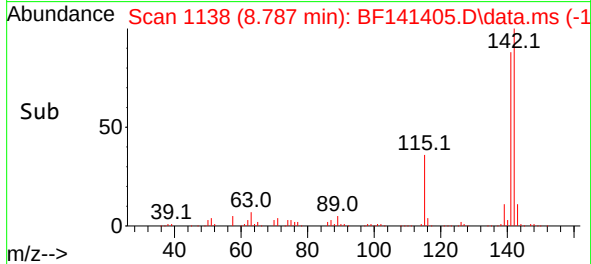
Instrument :
BNA_F
ClientSampleId :
PB166360BS



Tgt Ion:142 Resp: 481699
Ion Ratio Lower Upper
142 100
141 88.2 71.3 106.9

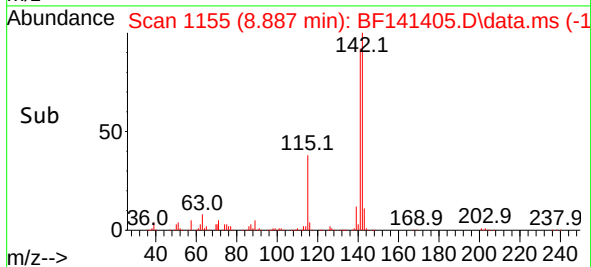
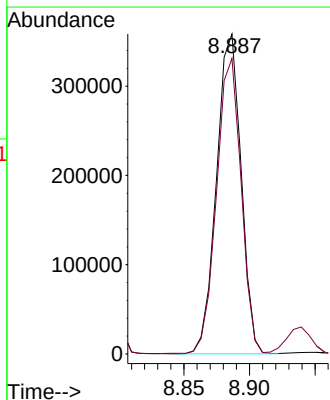
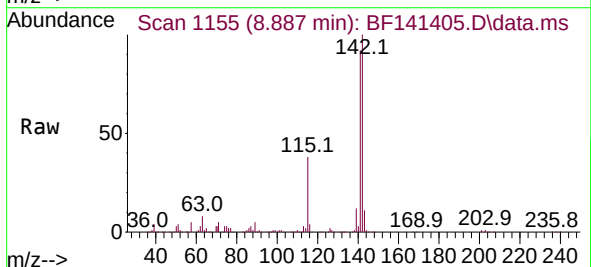
Manual Integrations
APPROVED

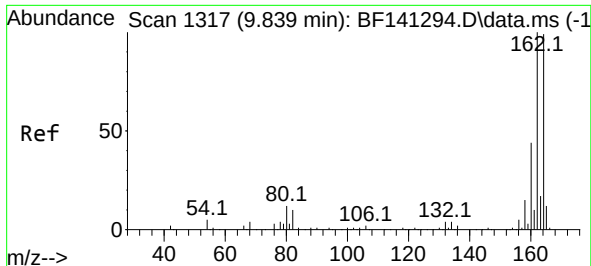
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#38
1-Methylnaphthalene
Concen: 39.925 ng
RT: 8.887 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:142 Resp: 466741
Ion Ratio Lower Upper
142 100
141 92.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141405.D

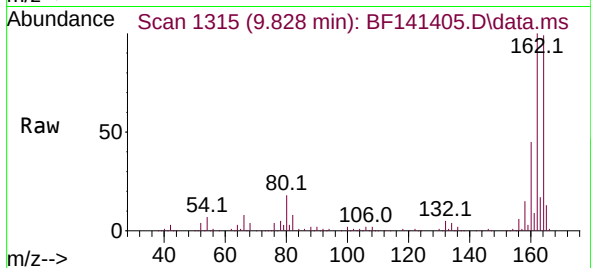
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



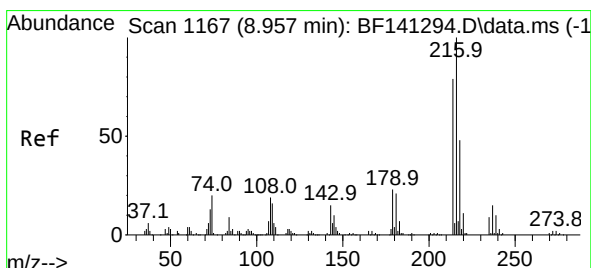
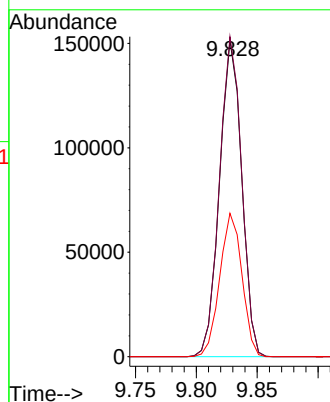
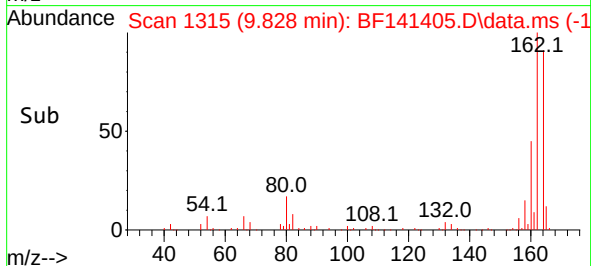
Tgt Ion:164	Resp:	192238	
Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	121.0
160	45.3	35.8	53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.830 ng

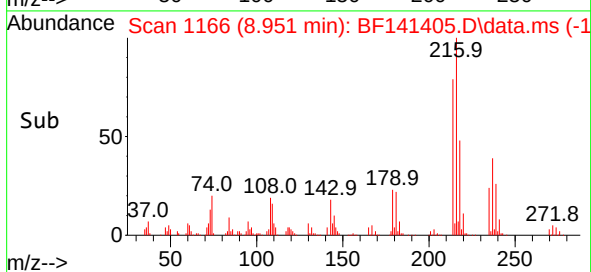
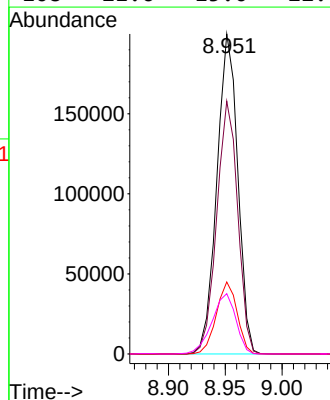
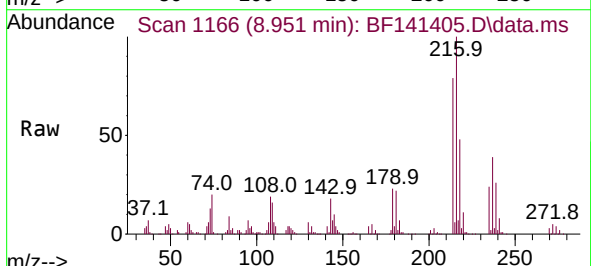
RT: 8.951 min Scan# 1166

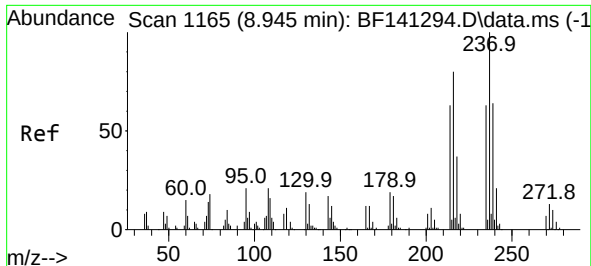
Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

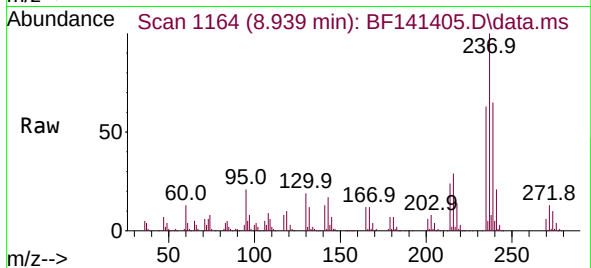
Tgt	Ion:216	Resp:	256112
Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	22.4	17.8	26.8
108	21.6	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 188.383 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

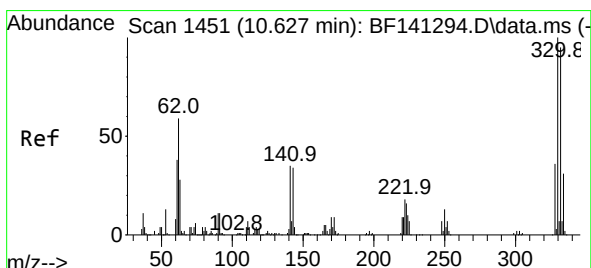
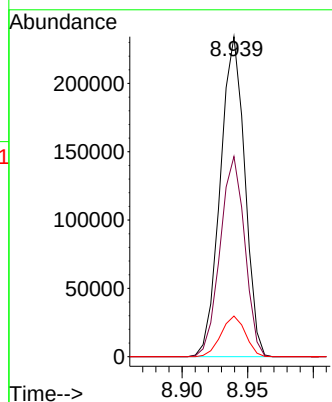
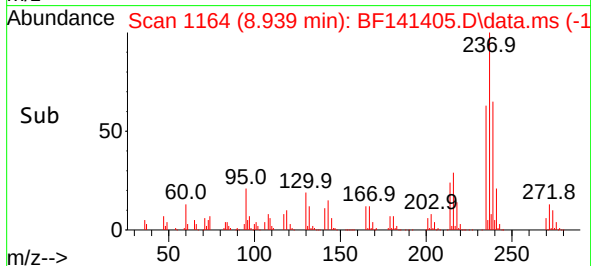
Instrument :
BNA_F
ClientSampleId :
PB166360BS



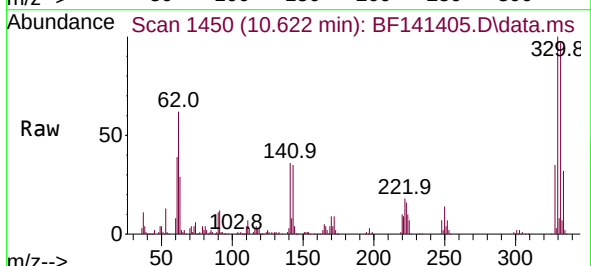
Tgt Ion:237 Resp: 30426
Ion Ratio Lower Upper
237 100
235 62.6 42.9 82.9
272 12.7 0.0 32.8

Manual Integrations
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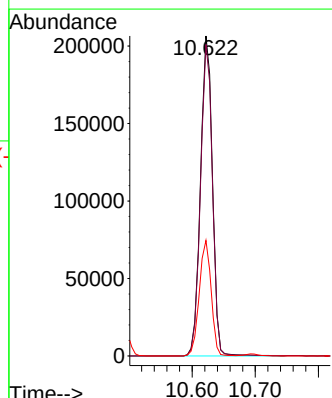
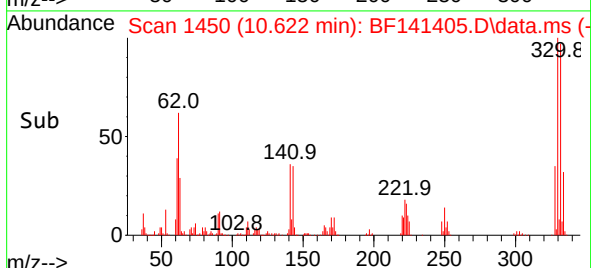
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

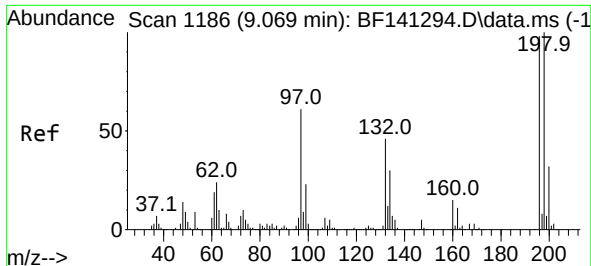


#42
2,4,6-Tribromophenol
Concen: 153.949 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



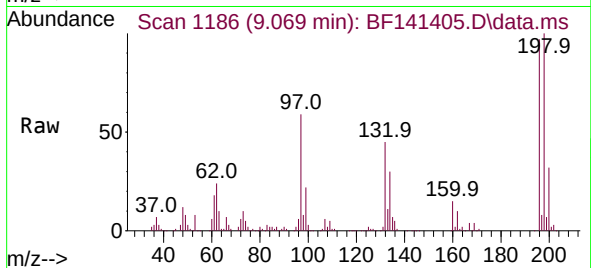
Tgt Ion:330 Resp: 271316
Ion Ratio Lower Upper
330 100
332 97.3 76.1 114.1
141 35.9 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 44.001 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

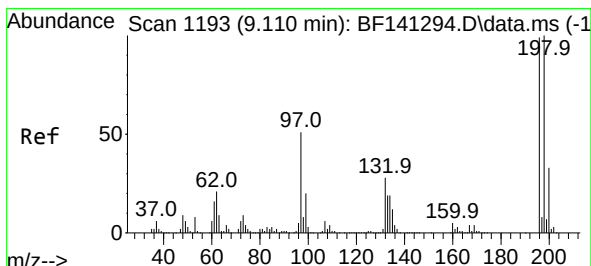
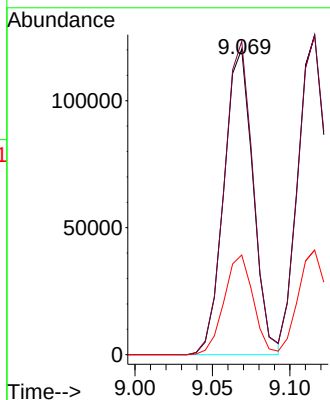
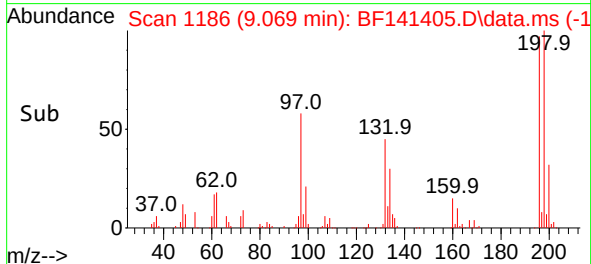
Instrument :
BNA_F
ClientSampleId :
PB166360BS



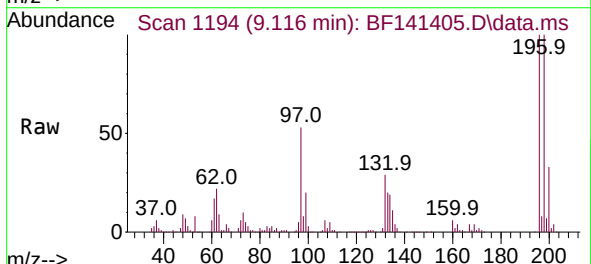
Tgt Ion:196 Resp: 157500
Ion Ratio Lower Upper
196 100
198 102.6 81.8 122.6
200 32.6 26.3 39.5

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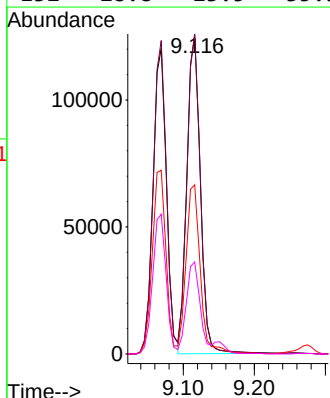
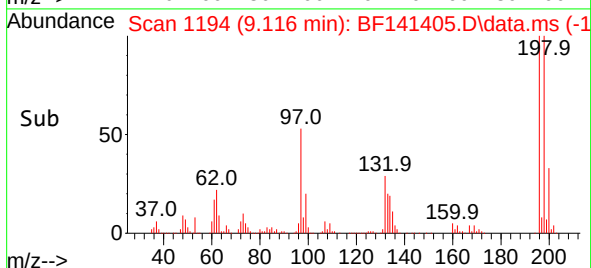
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

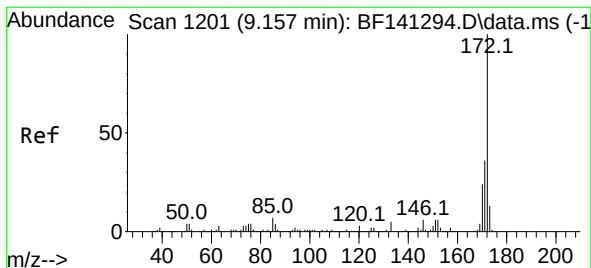


#44
2,4,5-Trichlorophenol
Concen: 42.677 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:196 Resp: 166270
Ion Ratio Lower Upper
196 100
198 100.2 80.5 120.7
97 53.0 42.8 64.2
132 28.8 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 94.785 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion:172 Resp: 118382

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

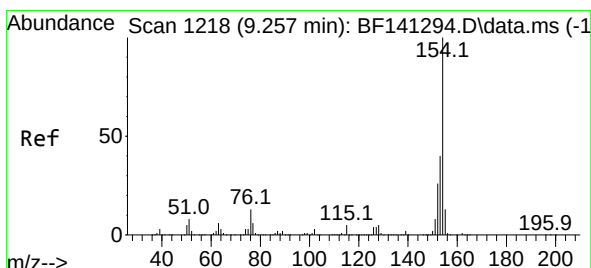
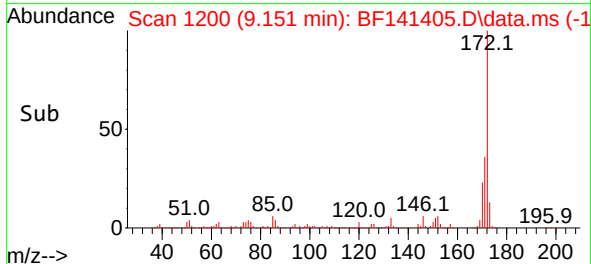
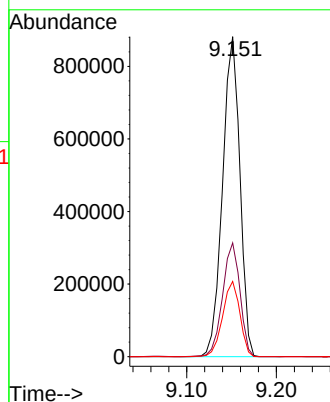
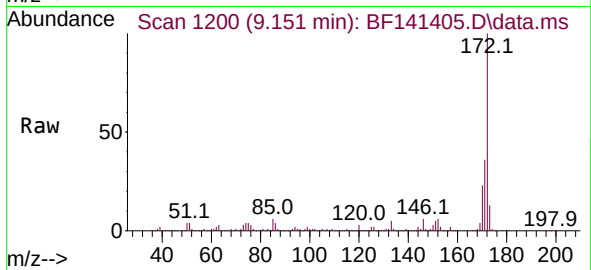
170 23.5 19.0 28.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#46

1,1'-Biphenyl

Concen: 46.526 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

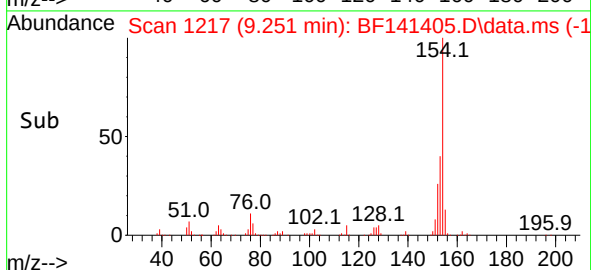
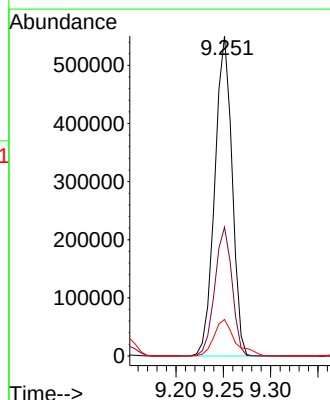
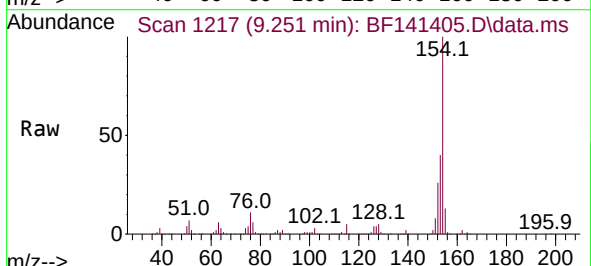
Tgt Ion:154 Resp: 697536

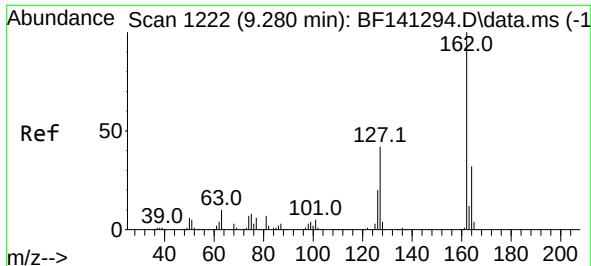
Ion Ratio Lower Upper

154 100

153 40.3 20.0 60.0

76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.612 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

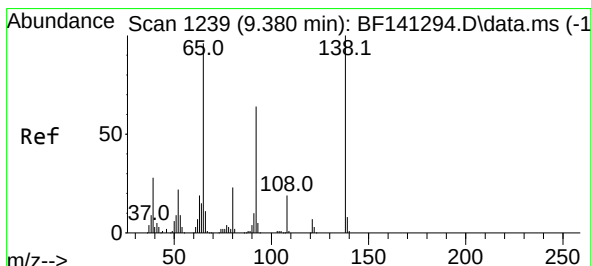
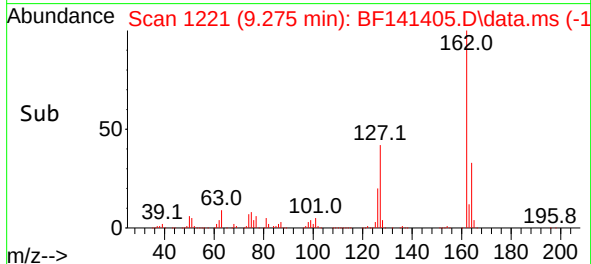
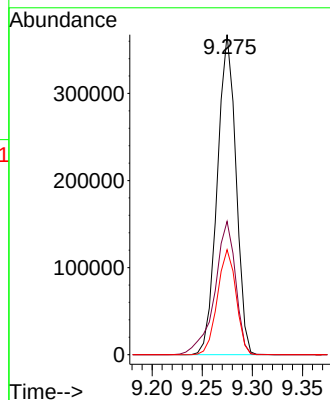
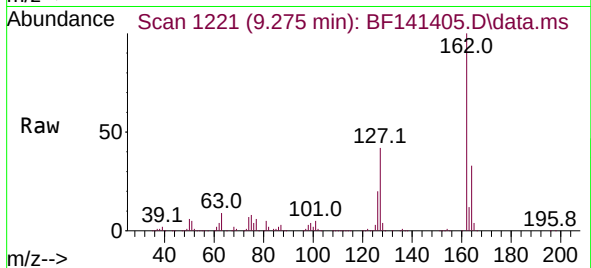
Tgt Ion:162 Resp: 47457
 Ion Ratio Lower Upper
 162 100
 127 41.7 33.7 50.5
 164 32.8 25.9 38.9

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#48

2-Nitroaniline

Concen: 43.758 ng

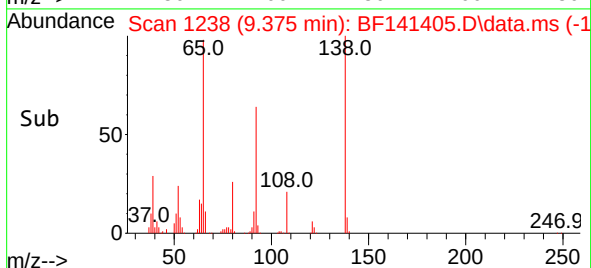
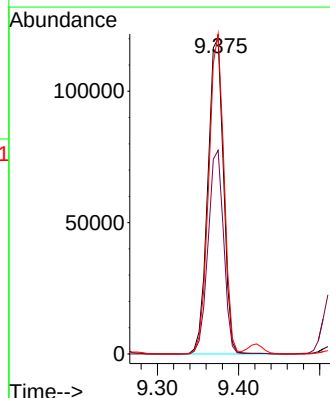
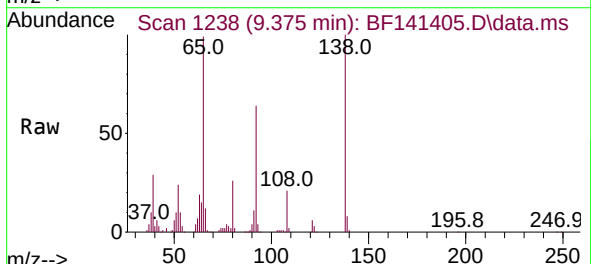
RT: 9.375 min Scan# 1238

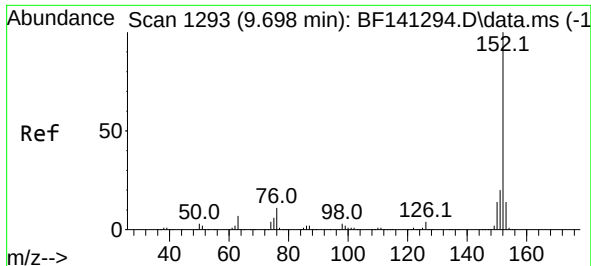
Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion: 65 Resp: 160837
 Ion Ratio Lower Upper
 65 100
 92 64.6 53.3 79.9
 138 101.4 83.6 125.4





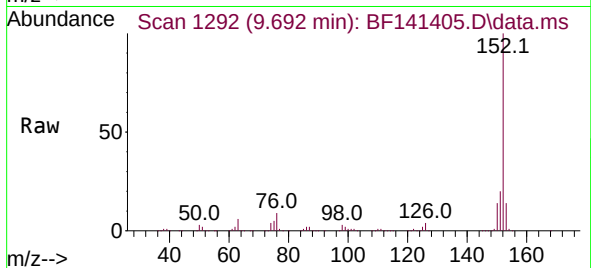
#49
Acenaphthylene
Concen: 45.402 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

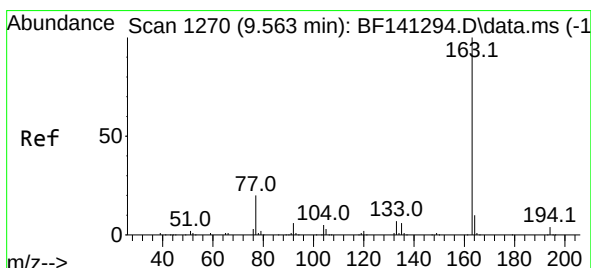
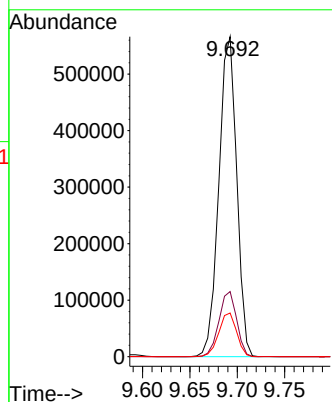
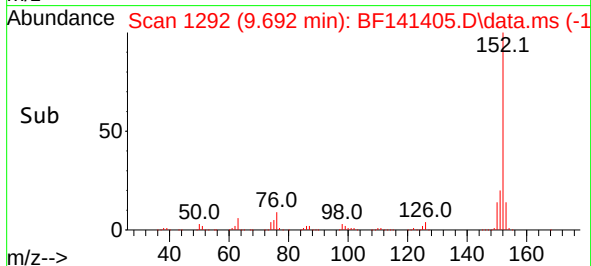


Tgt Ion:152 Resp: 742670
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.7 11.0 16.6

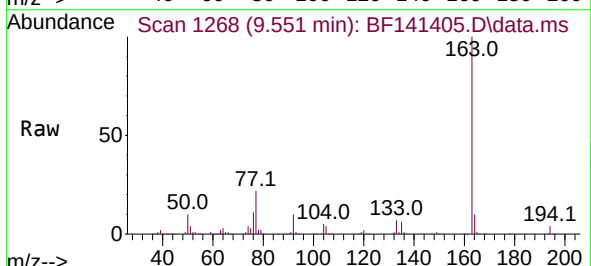
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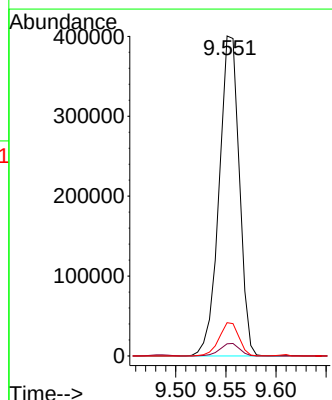
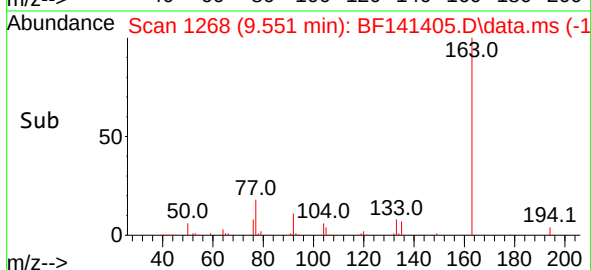
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

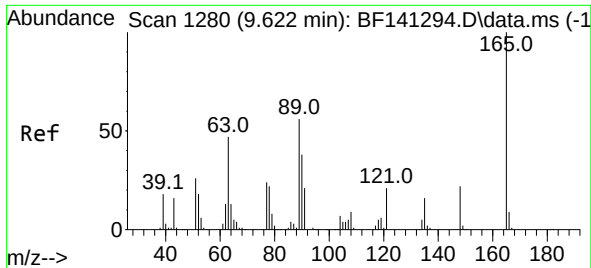


#50
Dimethylphthalate
Concen: 43.058 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



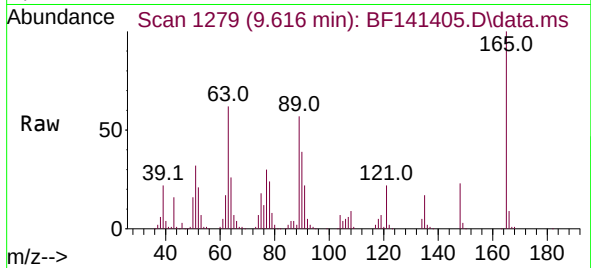
Tgt Ion:163 Resp: 559047
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.4 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 40.738 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

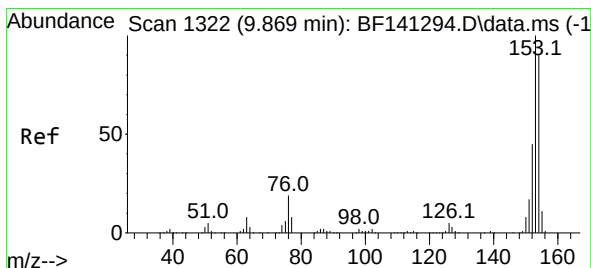
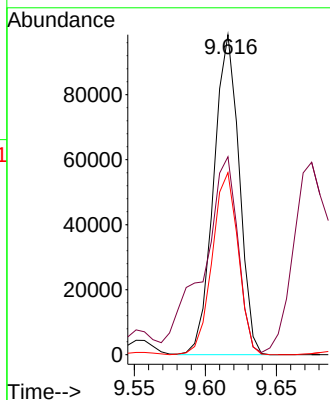
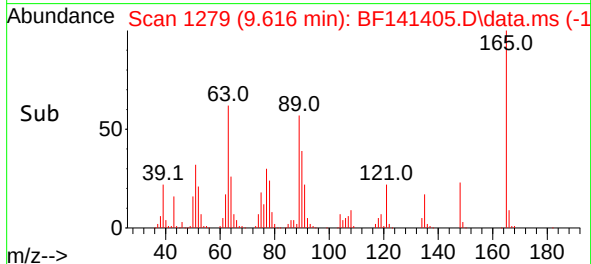
Instrument :
BNA_F
ClientSampleId :
PB166360BS



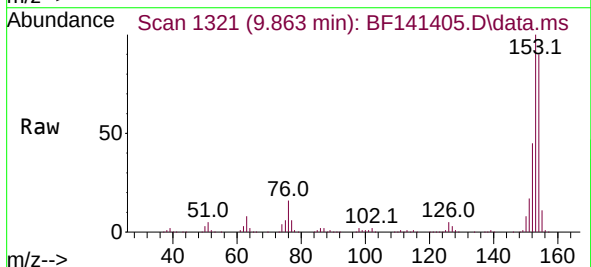
Tgt Ion:165 Resp: 12281
Ion Ratio Lower Upper
165 100
63 61.9 48.1 72.1
89 56.9 44.9 67.3

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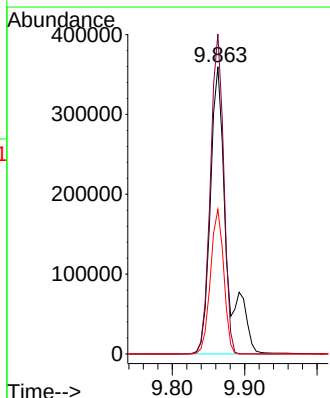
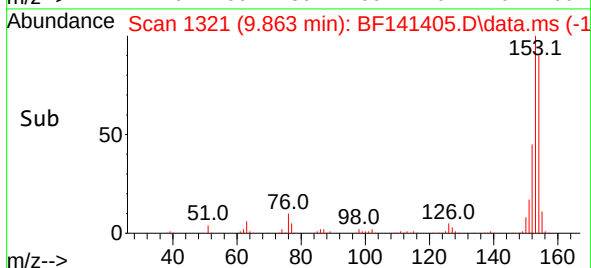
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

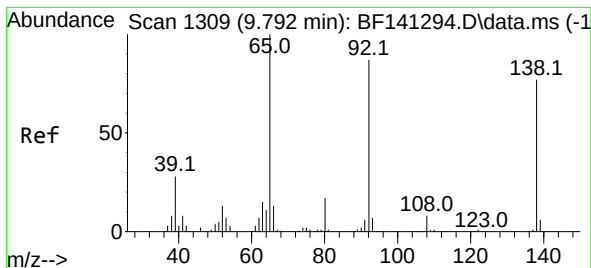


#52
Acenaphthene
Concen: 48.096 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:154 Resp: 562051
Ion Ratio Lower Upper
154 100
153 111.4 89.0 133.4
152 50.3 40.2 60.4





#53

3-Nitroaniline

Concen: 23.152 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

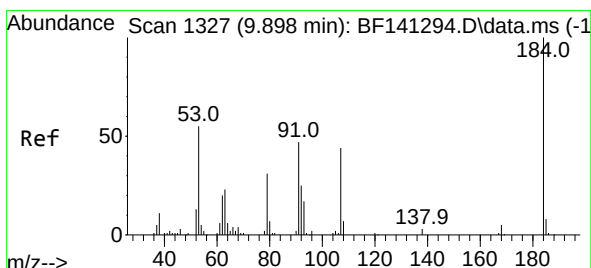
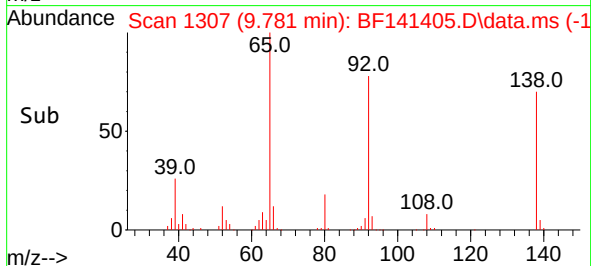
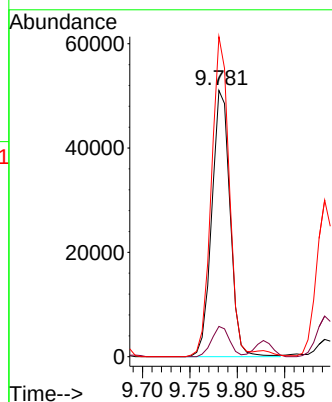
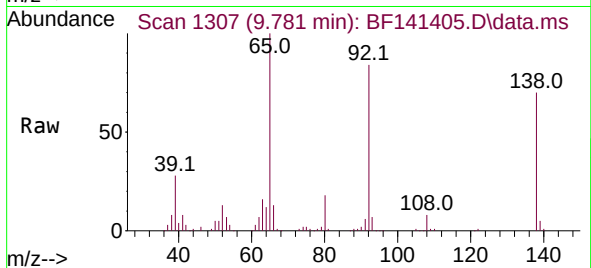
PB166360BS

Tgt Ion:138 Resp: 6840

Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.6	12.8
92	120.2	91.0	136.6

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Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#54

2,4-Dinitrophenol

Concen: 110.036 ng

RT: 9.892 min Scan# 1326

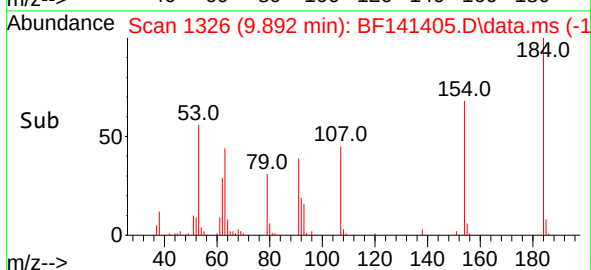
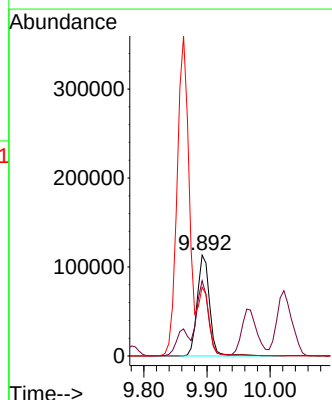
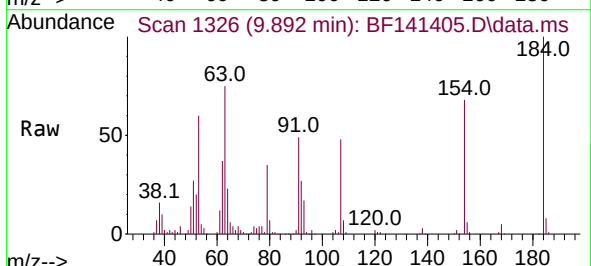
Delta R.T. -0.012 min

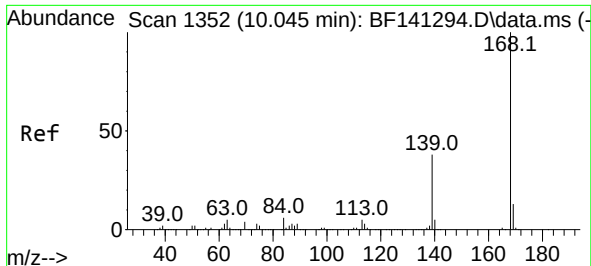
Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion:184 Resp: 154202

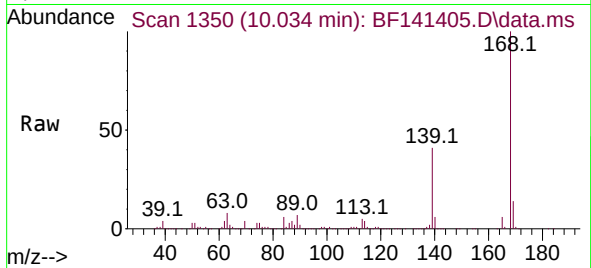
Ion	Ratio	Lower	Upper
184	100		
63	74.7	54.1	81.1
154	68.3	50.7	76.1





#55
Dibenzenofuran
Concen: 42.889 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

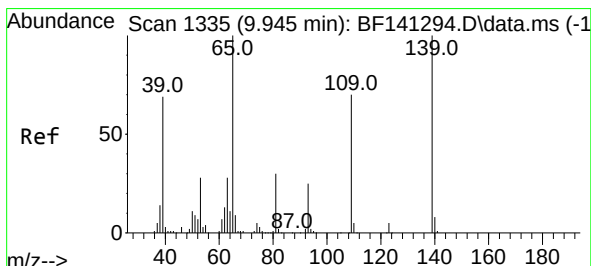
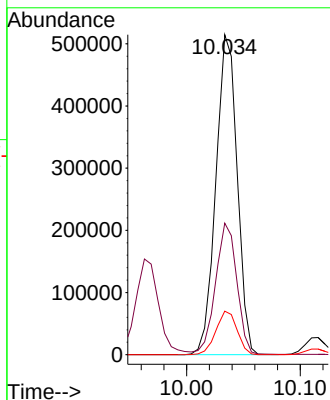
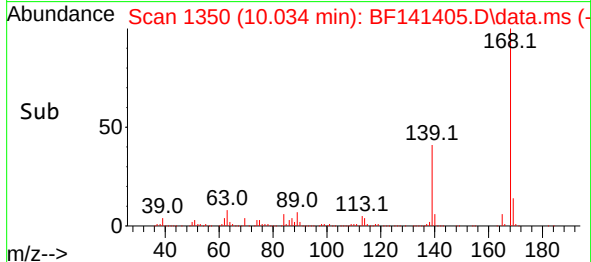
Instrument :
BNA_F
ClientSampleId :
PB166360BS



Tgt Ion:168 Resp: 670888
Ion Ratio Lower Upper
168 100
139 41.1 30.6 46.0
169 13.6 10.8 16.2

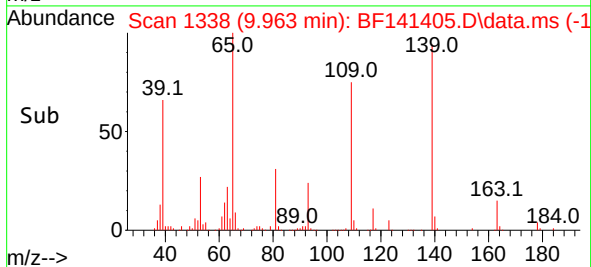
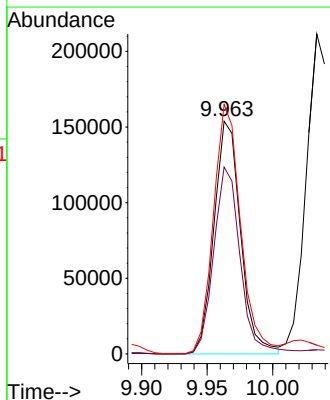
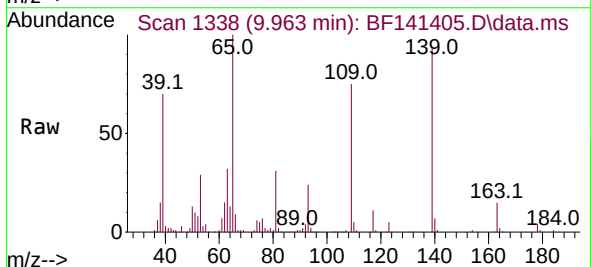
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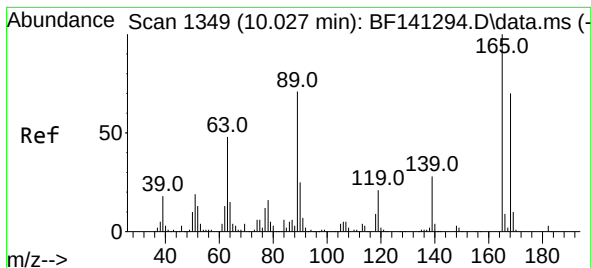
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#56
4-Nitrophenol
Concen: 100.375 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:139 Resp: 216899
Ion Ratio Lower Upper
139 100
109 80.3 50.2 90.2
65 107.2 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 44.078 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

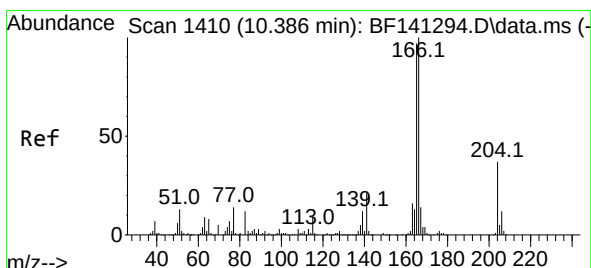
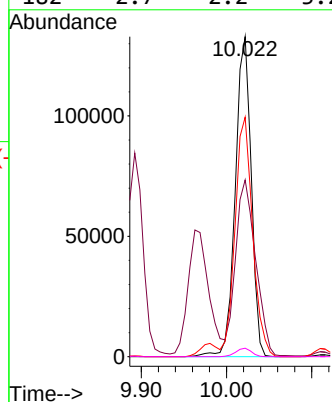
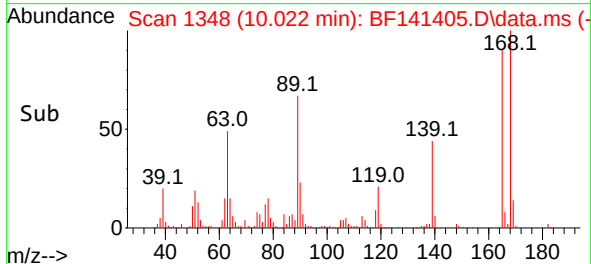
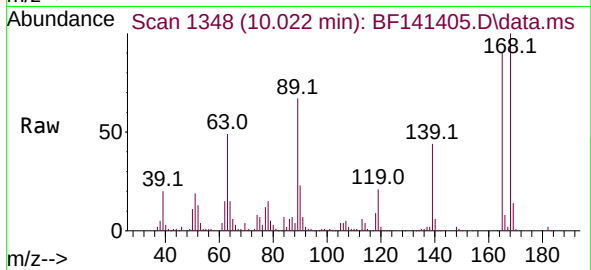
PB166360BS

Tgt Ion:165 Resp: 17204
Ion Ratio Lower Upper
165 100
63 55.2 39.2 58.8
89 74.8 56.9 85.3
182 2.7 2.2 3.2

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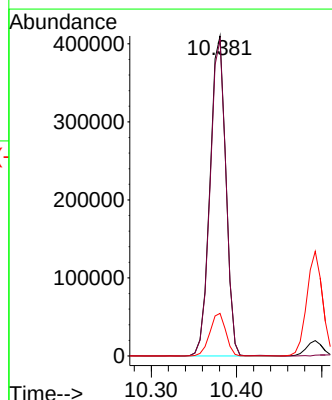
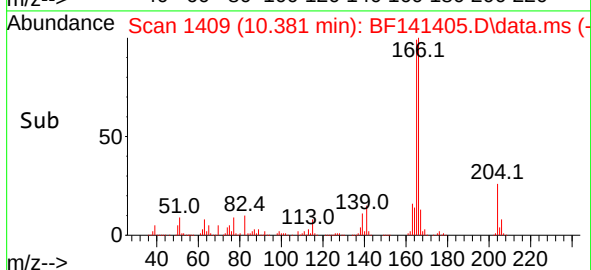
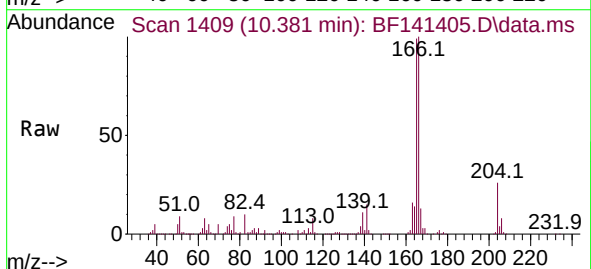
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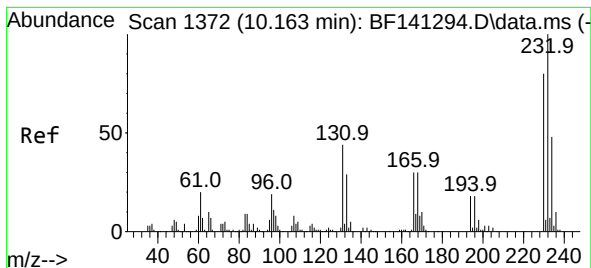
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#58
Fluorene
Concen: 43.624 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

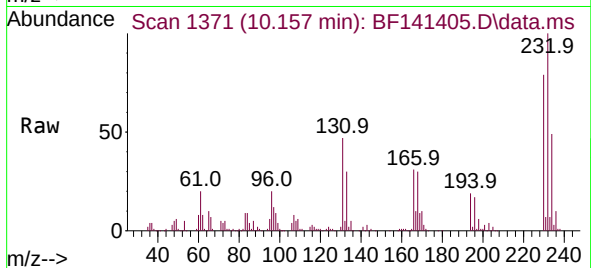
Tgt Ion:166 Resp: 529308
Ion Ratio Lower Upper
166 100
165 98.7 77.5 116.3
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.020 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

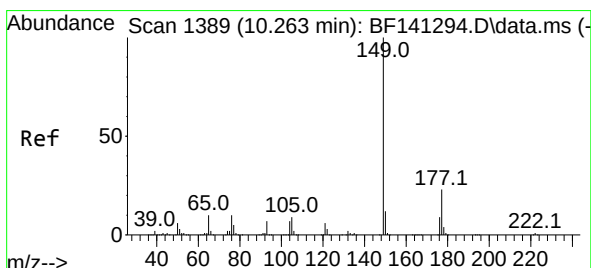
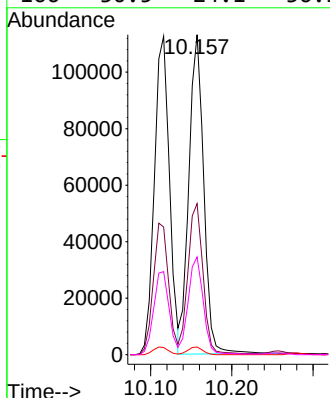
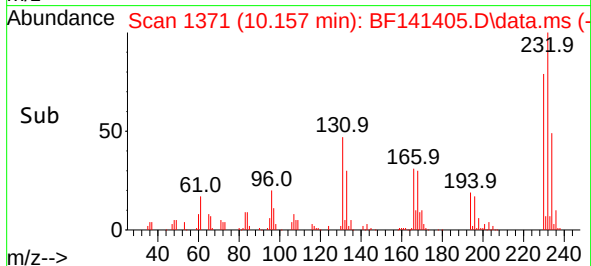
Instrument :
BNA_F
ClientSampleId :
PB166360BS



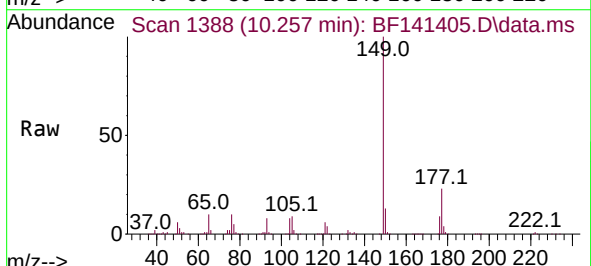
Tgt Ion:232 Resp: 144118
Ion Ratio Lower Upper
232 100
131 47.8 36.4 54.6
130 2.4 1.9 2.9
166 30.5 24.1 36.1

Manual Integrations
APPROVED

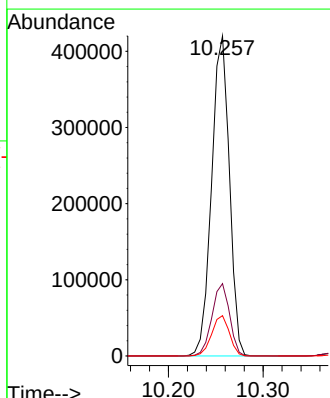
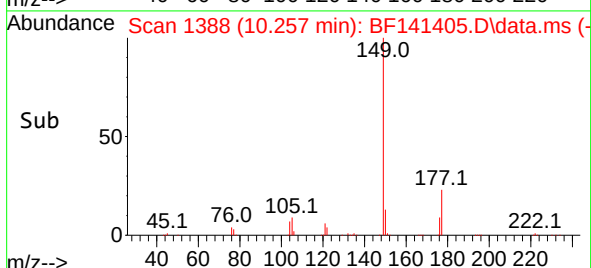
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

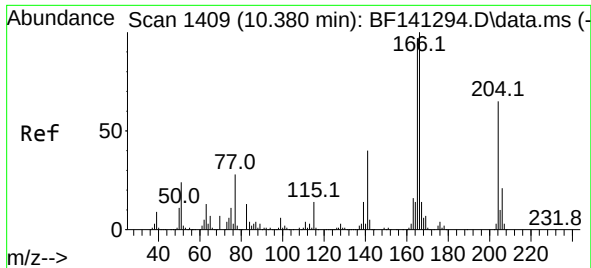


#60
Diethylphthalate
Concen: 43.426 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:149 Resp: 546694
Ion Ratio Lower Upper
149 100
177 22.6 18.5 27.7
150 12.6 10.0 15.0





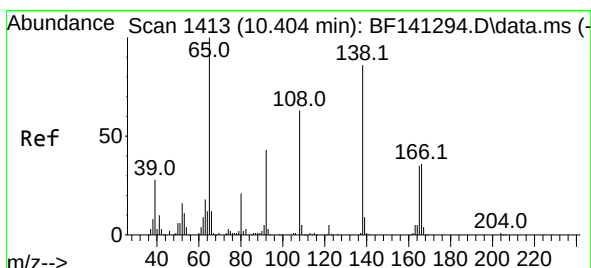
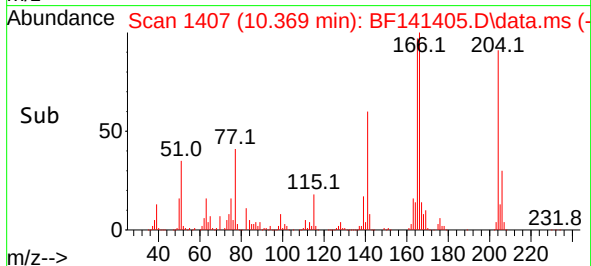
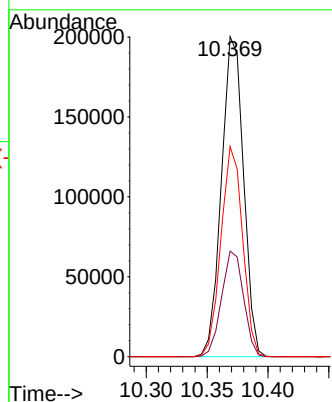
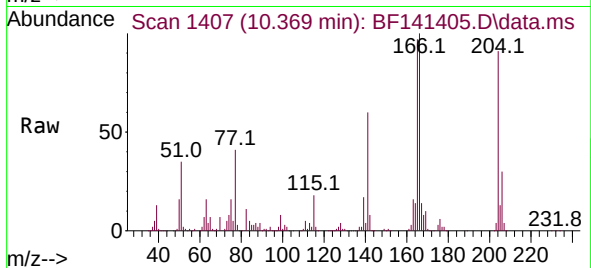
#61
4-Chlorophenyl-phenylether
Concen: 42.731 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:204 Resp: 25326
Ion Ratio Lower Upper
204 100
206 33.0 25.9 38.9
141 65.7 49.5 74.3

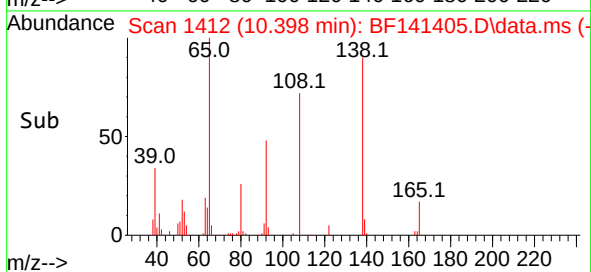
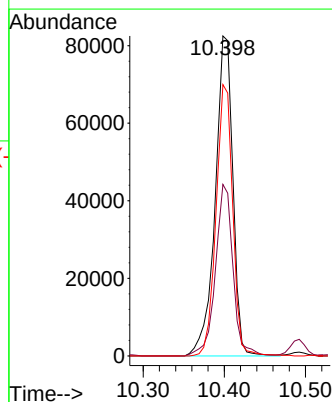
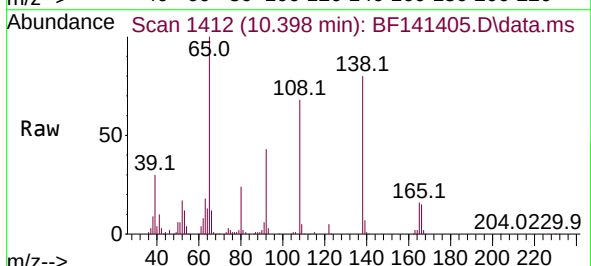
Manual Integrations
APPROVED

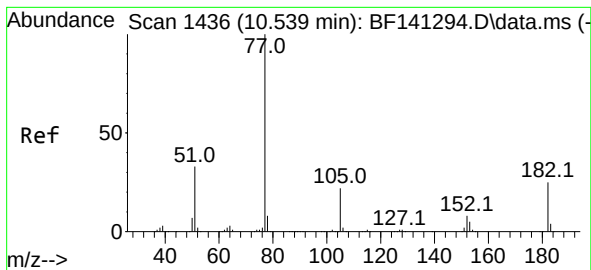
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#62
4-Nitroaniline
Concen: 43.079 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:138 Resp: 125138
Ion Ratio Lower Upper
138 100
92 53.6 30.1 70.1
108 84.8 53.1 93.1





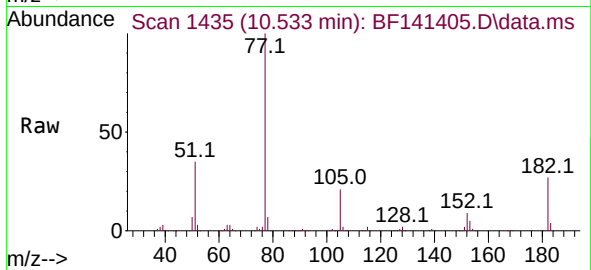
#63
Azobenzene
Concen: 42.436 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

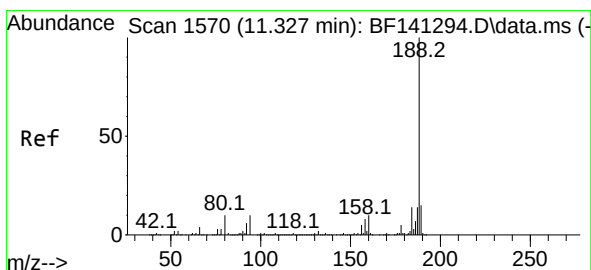
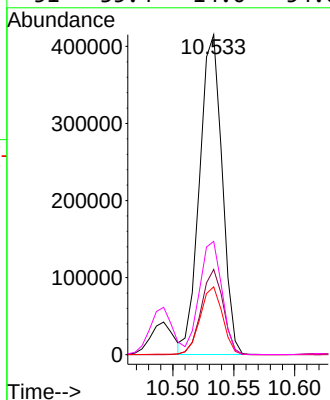
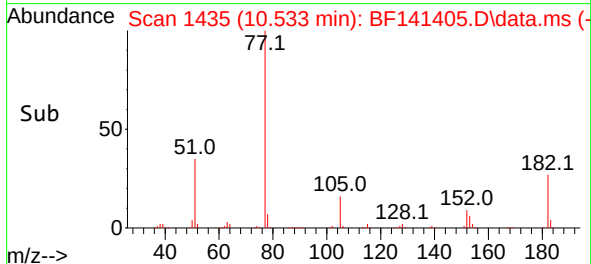


Tgt Ion: 77 Resp: 534762
Ion Ratio Lower Upper
77 100
182 26.7 5.1 45.1
105 21.2 1.8 41.8
51 35.4 14.0 54.0

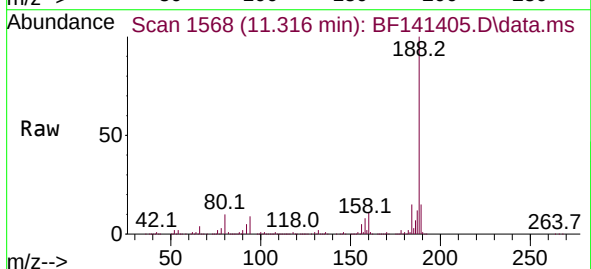
Manual Integrations

APPROVED

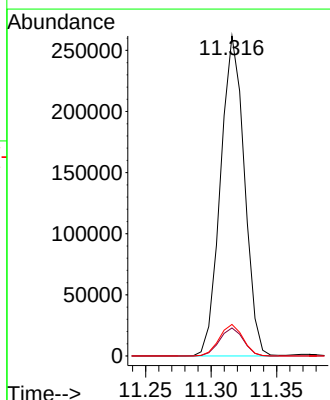
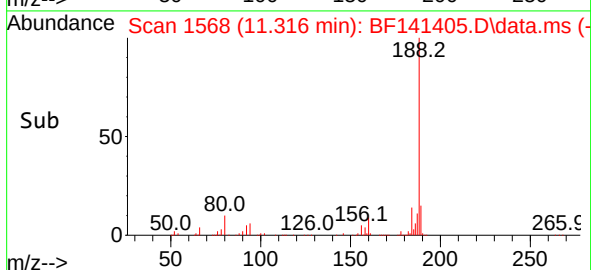
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

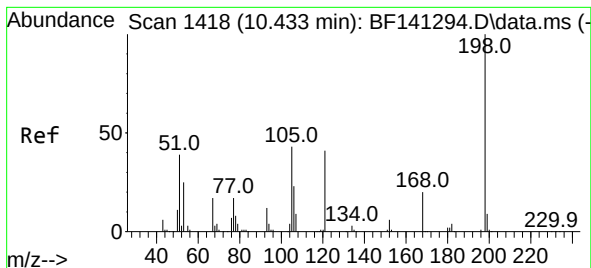


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:188 Resp: 331523
Ion Ratio Lower Upper
188 100
94 8.8 7.8 11.6
80 9.9 8.2 12.4





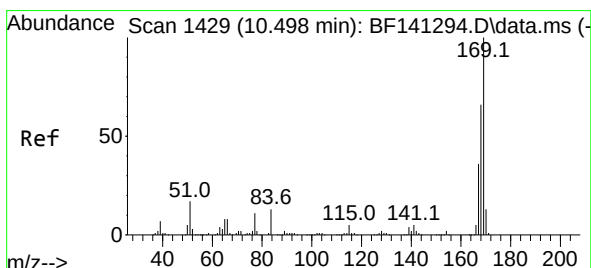
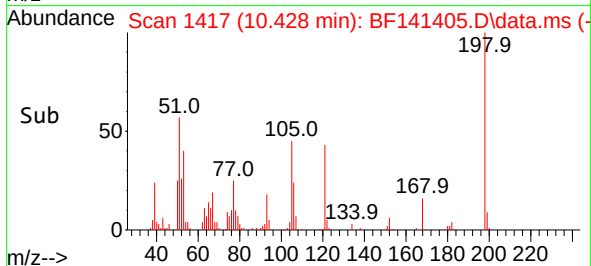
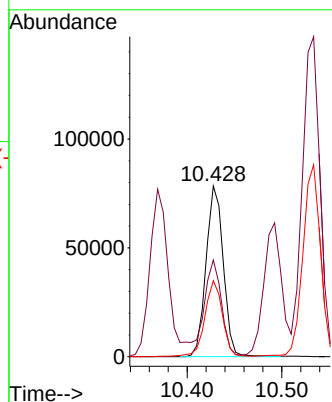
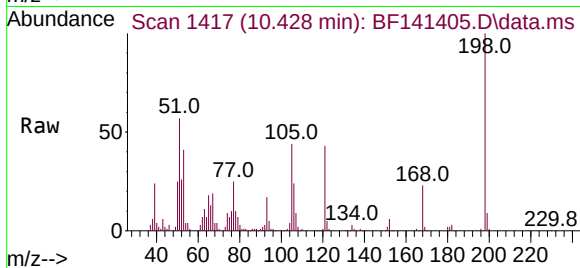
#65
4,6-Dinitro-2-methylphenol
Concen: 50.537 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:198 Resp: 9910
Ion Ratio Lower Upper
198 100
51 56.6 33.4 73.4
105 44.5 24.4 64.4

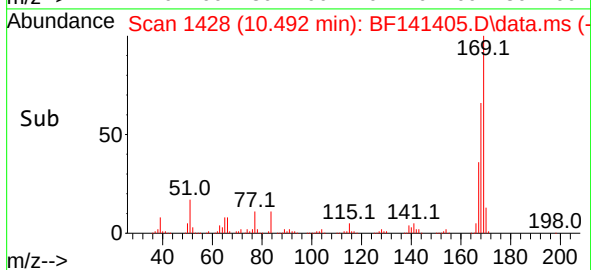
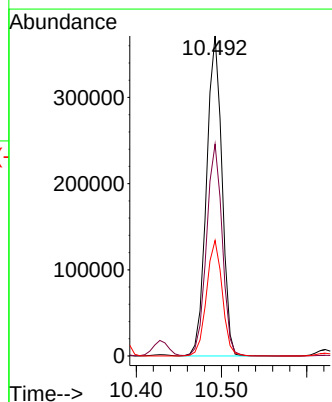
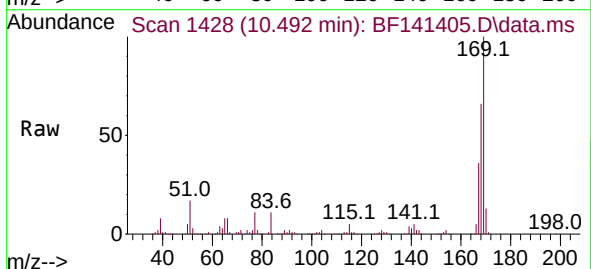
Manual Integrations
APPROVED

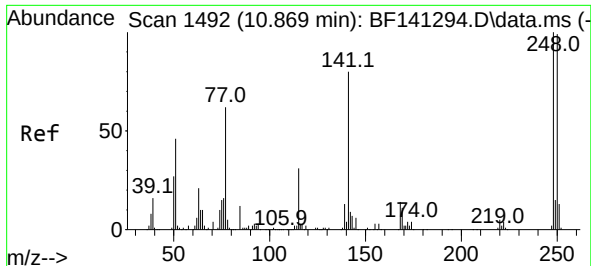
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#66
n-Nitrosodiphenylamine
Concen: 43.605 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

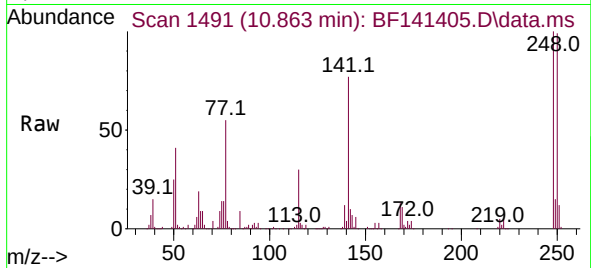
Tgt Ion:169 Resp: 467566
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.1 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 43.292 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

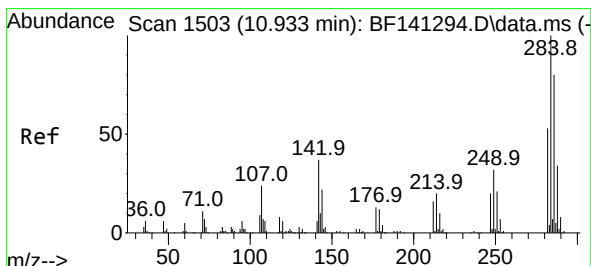
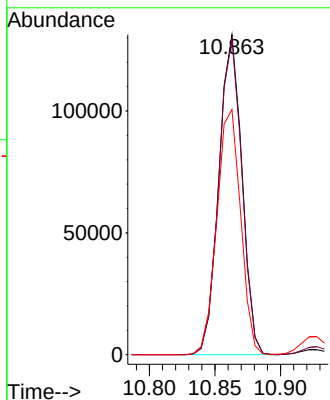
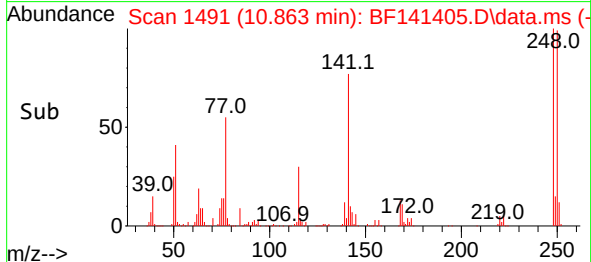
Instrument :
BNA_F
ClientSampleId :
PB166360BS



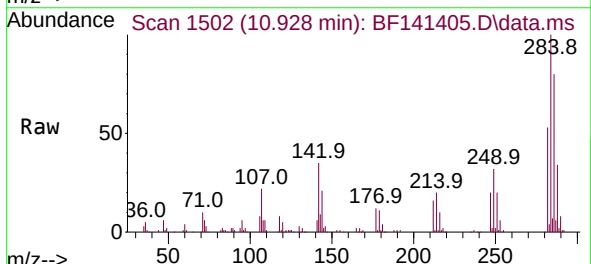
Tgt Ion:248 Resp: 160678
Ion Ratio Lower Upper
248 100
250 98.5 79.0 118.4
141 76.6 63.7 95.5

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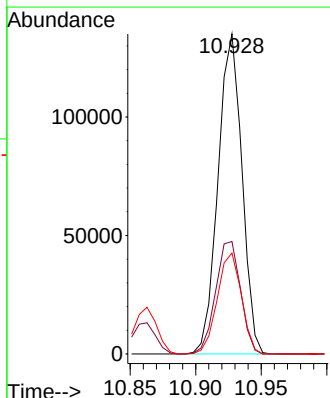
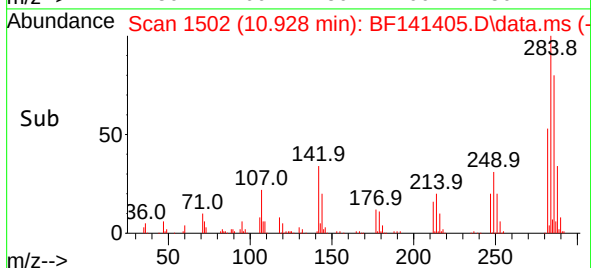
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

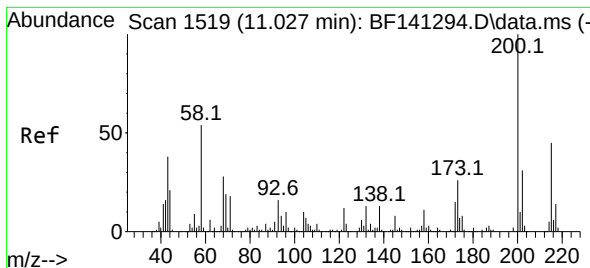


#68
Hexachlorobenzene
Concen: 43.467 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:284 Resp: 171129
Ion Ratio Lower Upper
284 100
142 35.2 29.5 44.3
249 31.6 25.4 38.2





#69

Atrazine

Concen: 51.270 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion:200 Resp: 183809

Ion Ratio Lower Upper

200 100

173 24.5 5.9 45.9

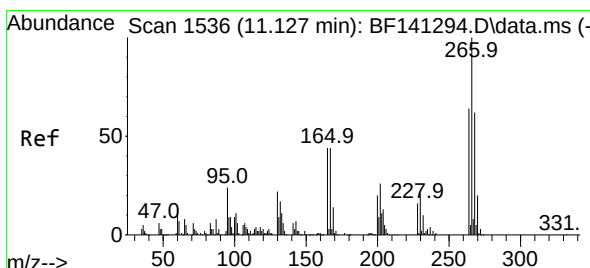
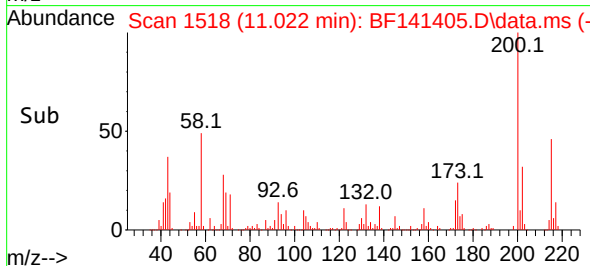
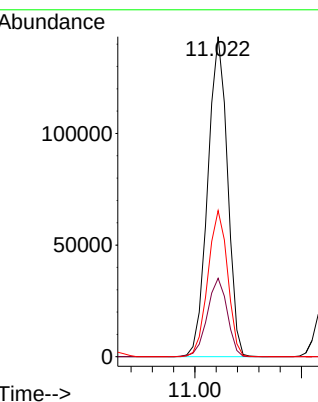
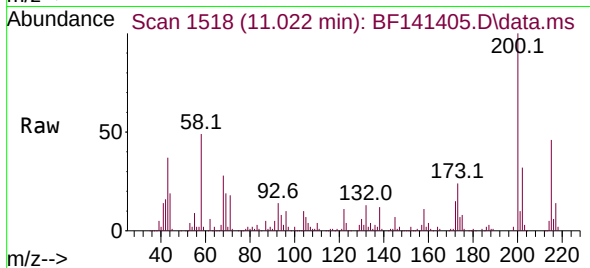
215 45.6 25.2 65.2

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#70

Pentachlorophenol

Concen: 96.208 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

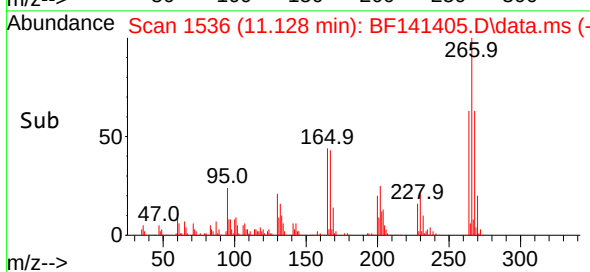
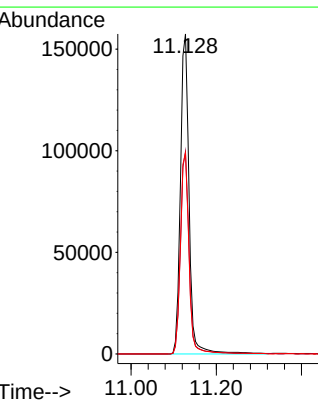
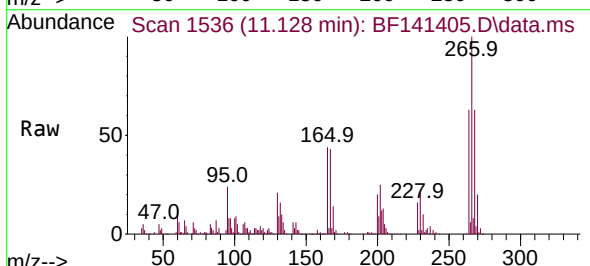
Tgt Ion:266 Resp: 221801

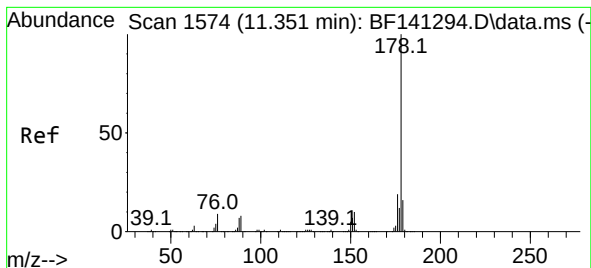
Ion Ratio Lower Upper

266 100

268 63.2 49.9 74.9

264 62.9 51.0 76.4





#71

Phenanthrene

Concen: 45.014 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion:178 Resp: 802178

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

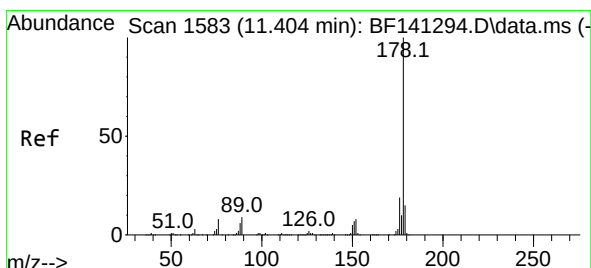
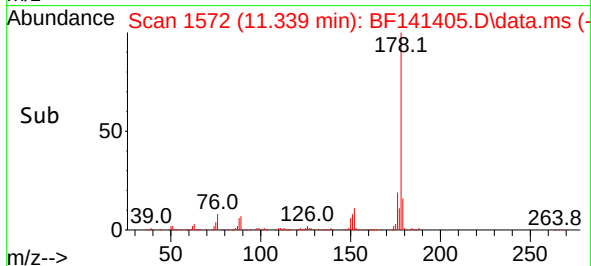
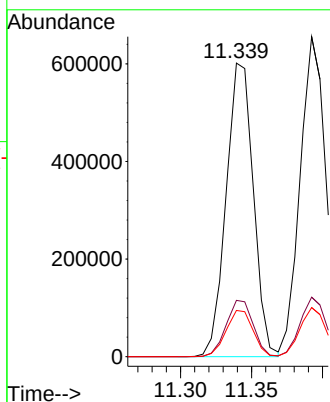
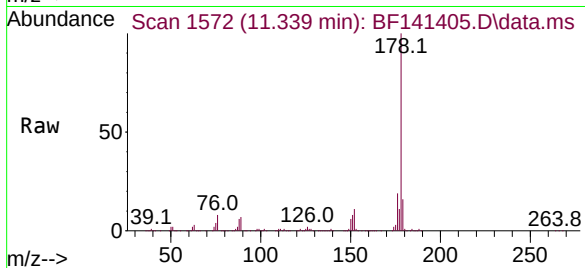
179 15.8 12.5 18.7

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#72

Anthracene

Concen: 47.129 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

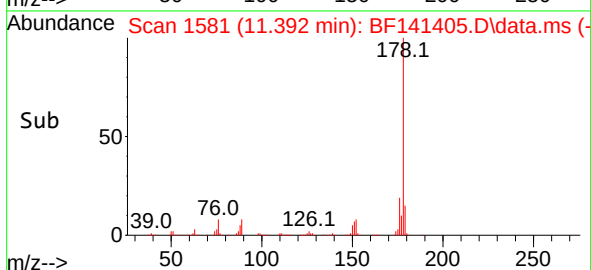
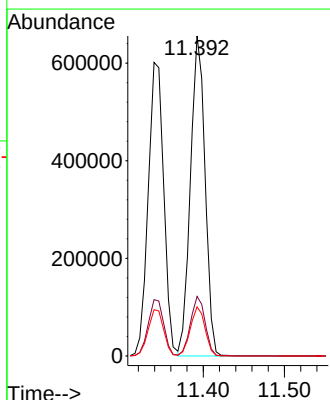
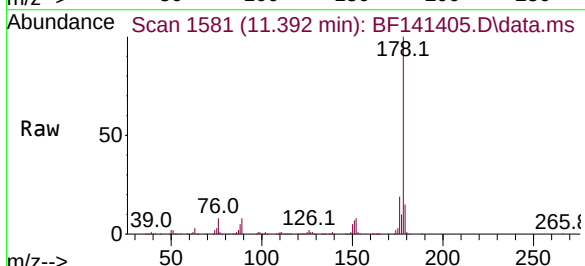
Tgt Ion:178 Resp: 822918

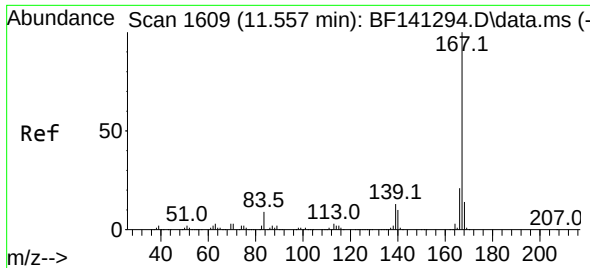
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

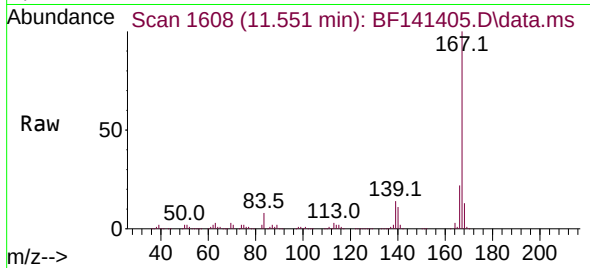
179 15.3 12.3 18.5





#73
 Carbazole
 Concen: 46.259 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

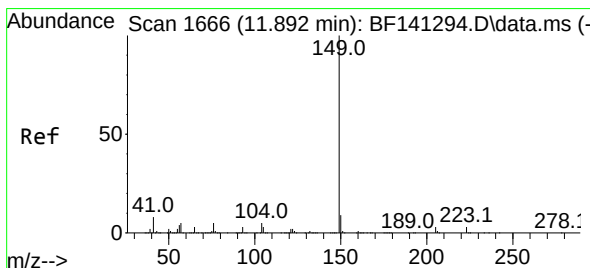
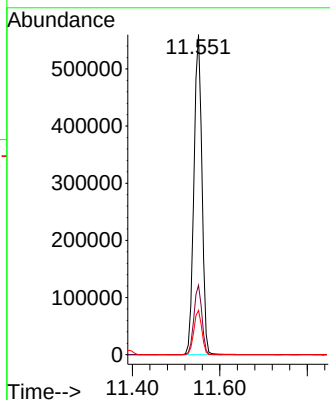
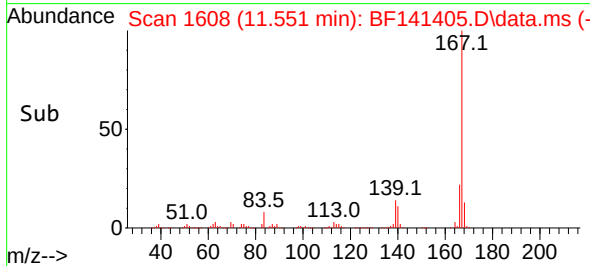
Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS



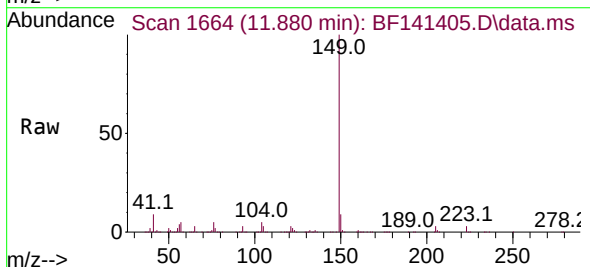
Tgt Ion:167 Resp: 716227
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.9 10.6 16.0

Manual Integrations
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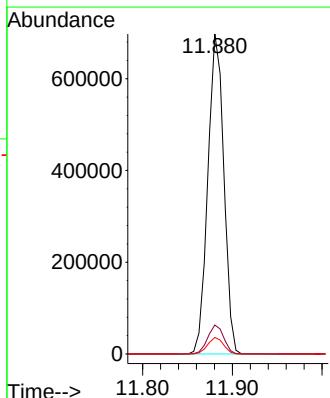
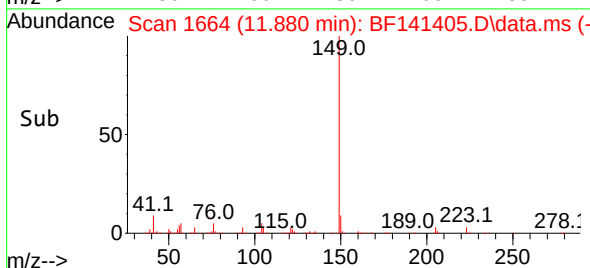
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

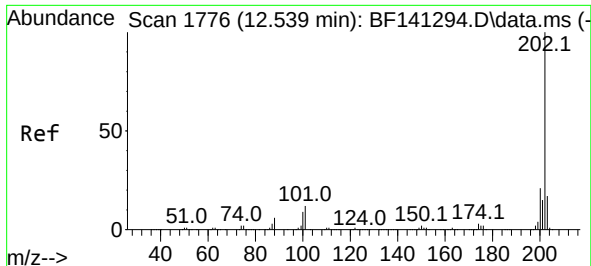


#74
 Di-n-butylphthalate
 Concen: 45.981 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47



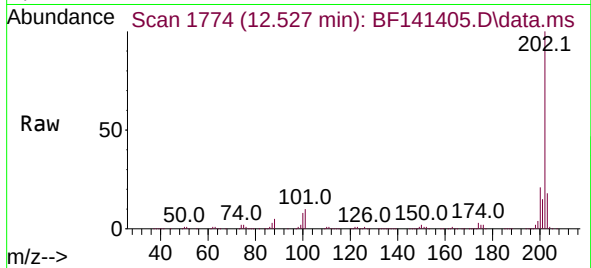
Tgt Ion:149 Resp: 862780
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 5.1 3.9 5.9





#75
Fluoranthene
Concen: 49.085 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

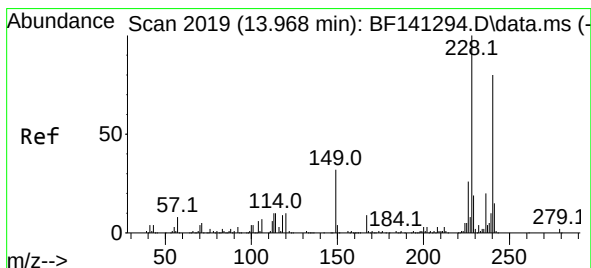
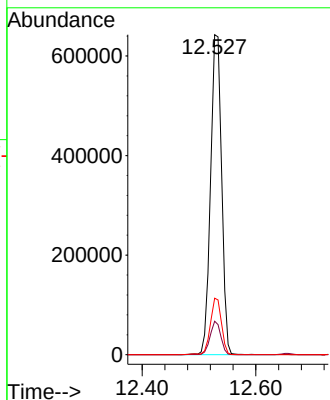
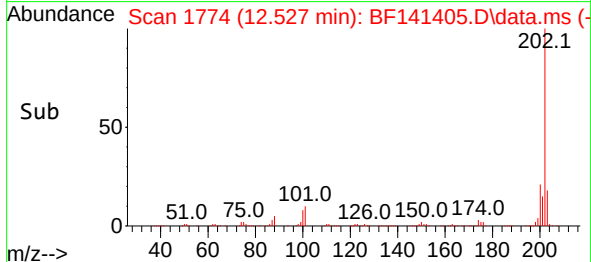
Instrument :
BNA_F
ClientSampleId :
PB166360BS



Tgt Ion:202 Resp: 86369
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.7
203 17.7 0.0 37.5

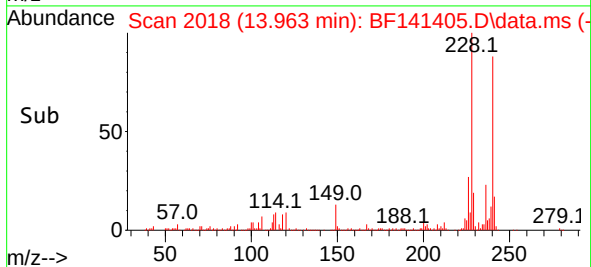
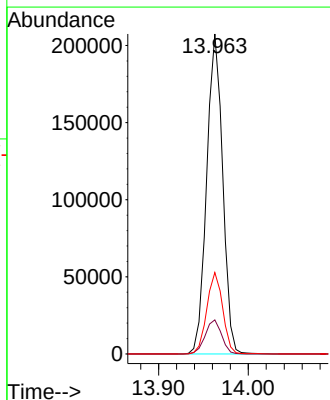
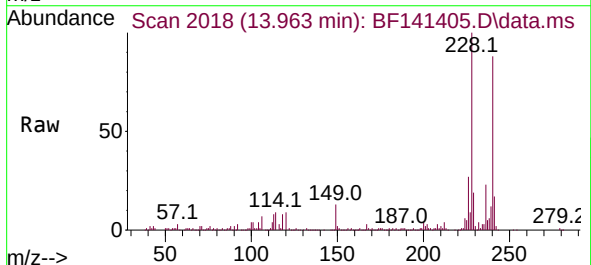
Manual Integrations
APPROVED

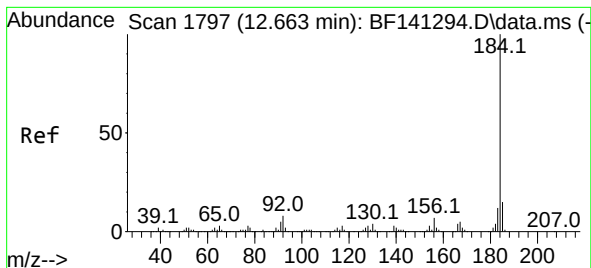
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:240 Resp: 256577
Ion Ratio Lower Upper
240 100
120 10.6 10.0 15.0
236 25.4 19.7 29.5





#77

Benzidine

Concen: 49.964 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

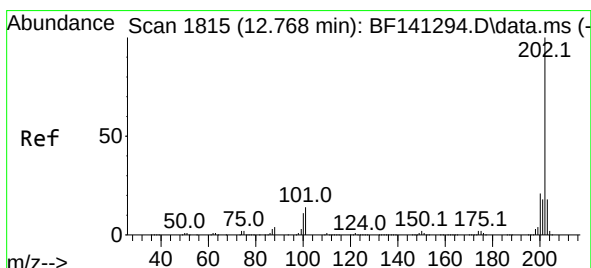
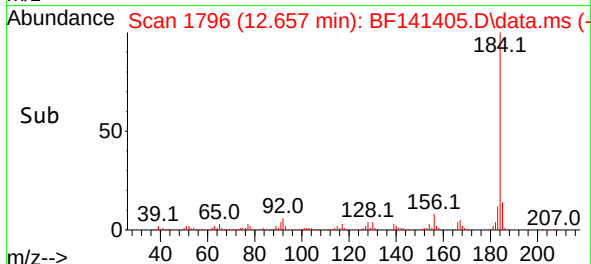
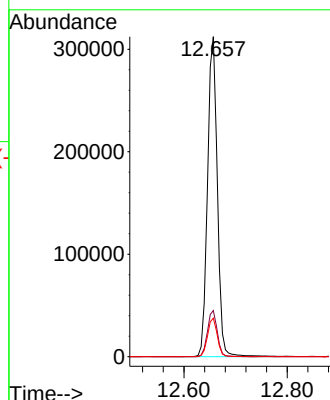
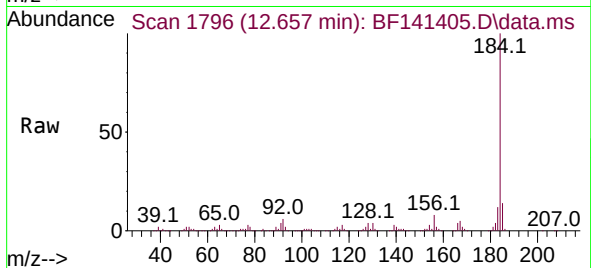
Tgt Ion:184 Resp: 410980
 Ion Ratio Lower Upper
 184 100
 185 14.4 11.9 17.9
 183 12.1 9.5 14.3

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#78

Pyrene

Concen: 35.777 ng

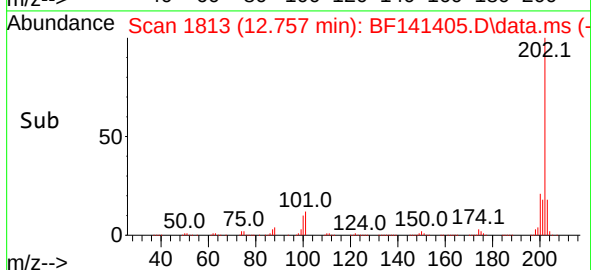
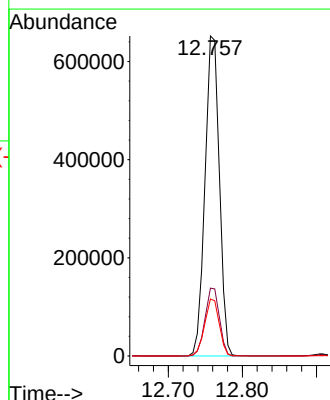
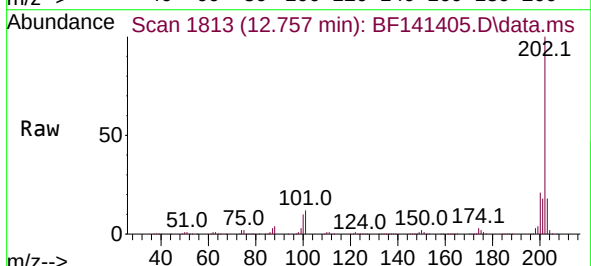
RT: 12.757 min Scan# 1813

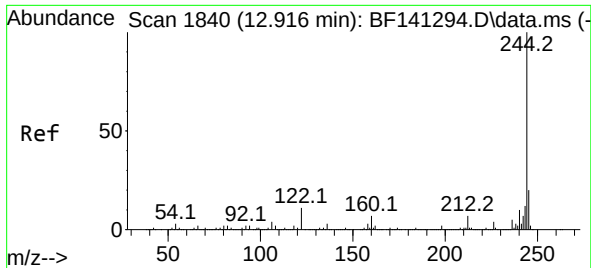
Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

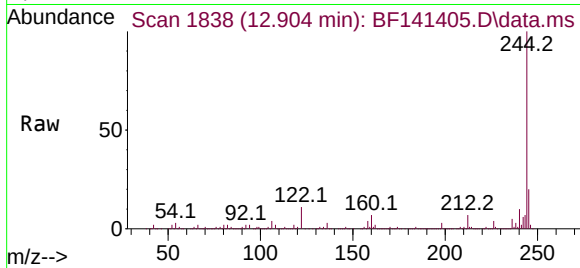
Tgt Ion:202 Resp: 881155
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 17.8 14.3 21.5





#79
 Terphenyl-d14
 Concen: 85.114 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

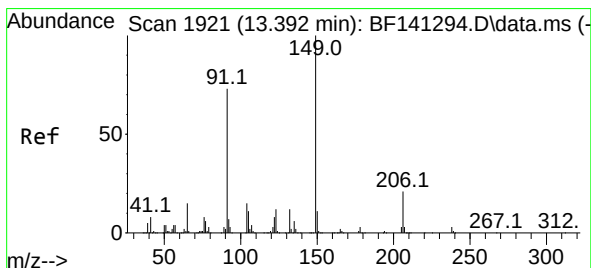
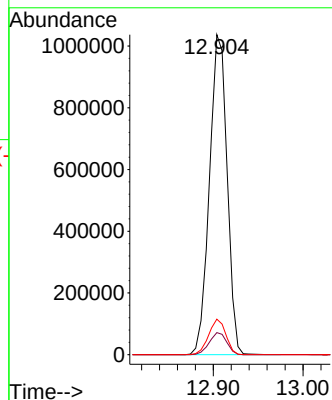
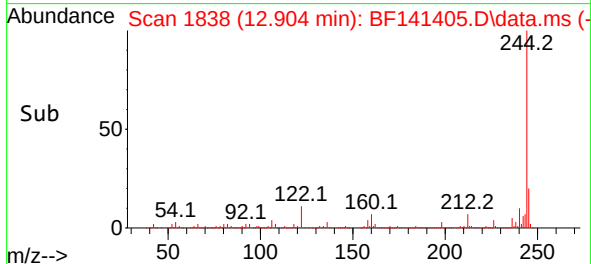
Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS



Tgt Ion:244 Resp: 141606
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.1 8.8 13.2

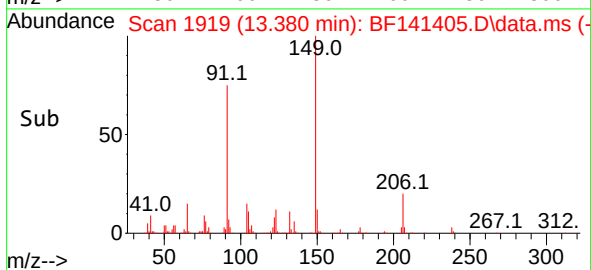
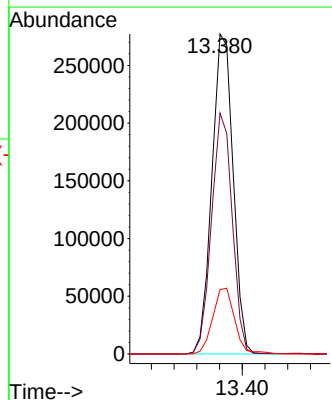
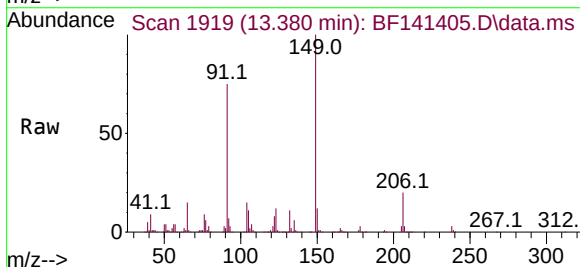
Manual Integrations
 APPROVED

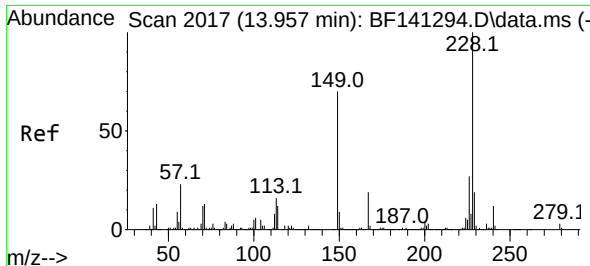
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#80
 Butylbenzylphthalate
 Concen: 41.853 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 360119
 Ion Ratio Lower Upper
 149 100
 91 75.2 58.6 87.8
 206 20.1 16.7 25.1





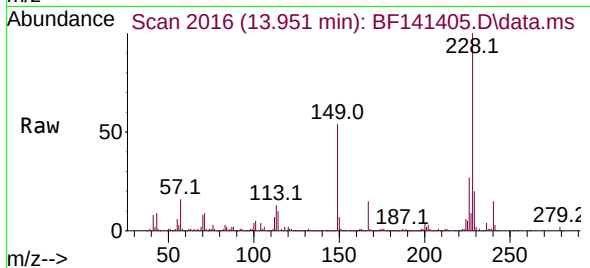
#81
Benzo(a)anthracene
Concen: 40.491 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

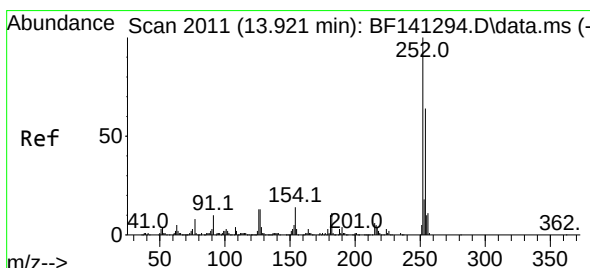
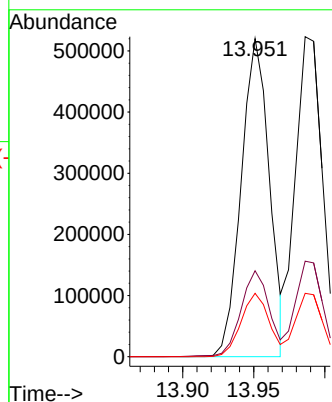
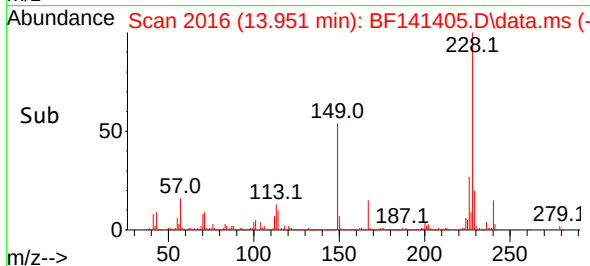


Tgt Ion:228 Resp: 716900
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 19.9 15.5 23.3

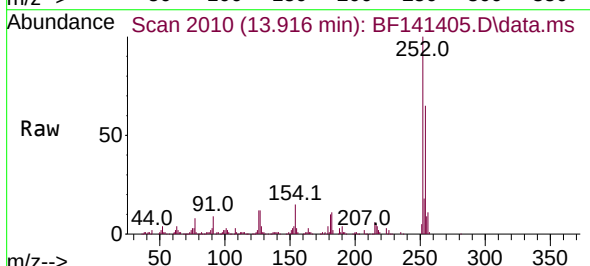
Manual Integrations

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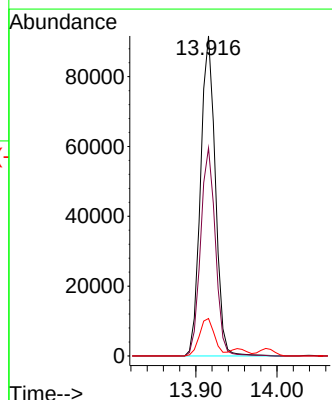
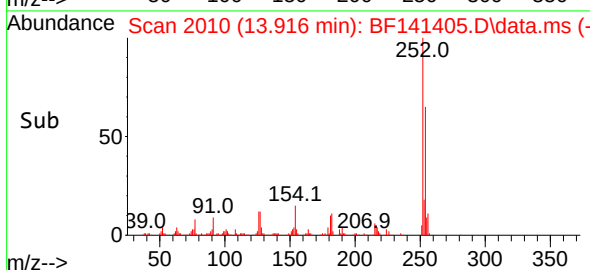
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

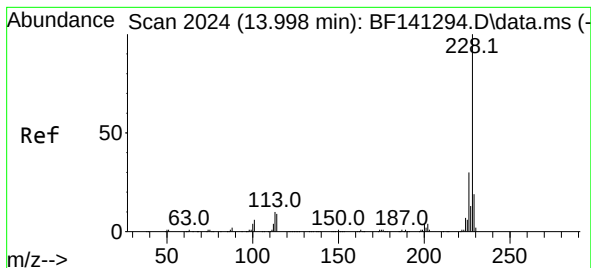


#82
3,3'-Dichlorobenzidine
Concen: 20.593 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:252 Resp: 115963
Ion Ratio Lower Upper
252 100
254 65.0 51.3 76.9
126 11.7 10.0 15.0





#83

Chrysene

Concen: 42.465 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion:228 Resp: 689060

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

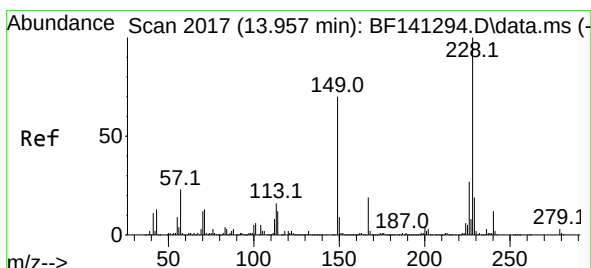
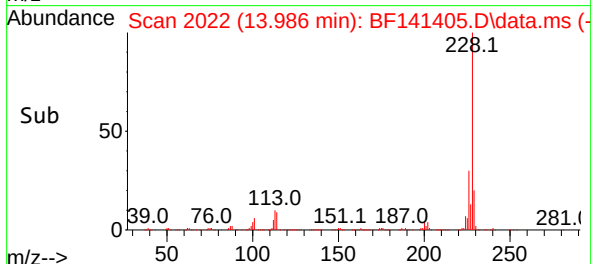
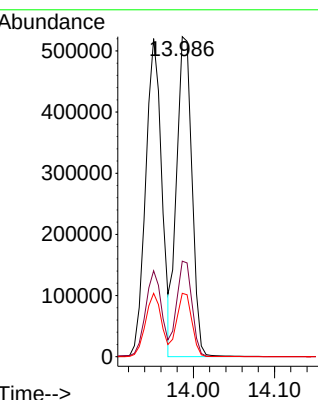
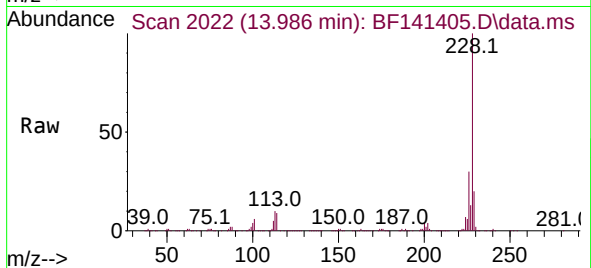
229 19.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.032 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

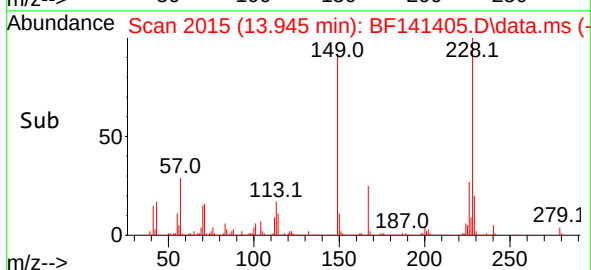
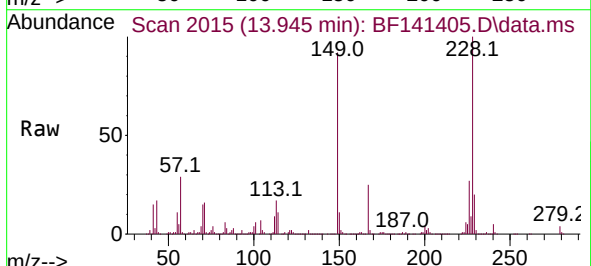
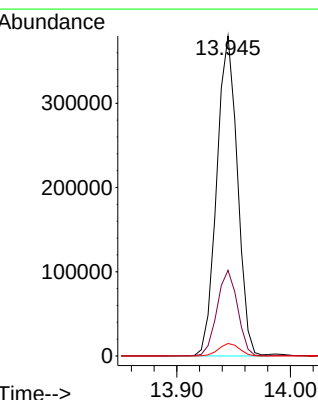
Tgt Ion:149 Resp: 480602

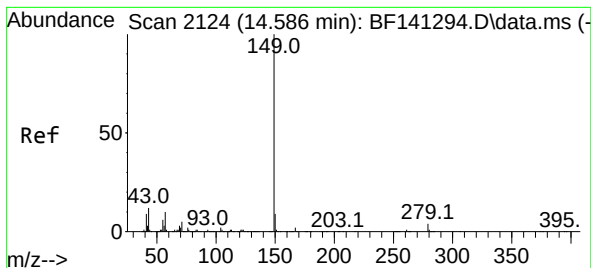
Ion Ratio Lower Upper

149 100

167 26.8 21.8 32.8

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 44.271 ng

RT: 14.569 min Scan# 2124

Delta R.T. -0.018 min

Lab File: BF141405.D

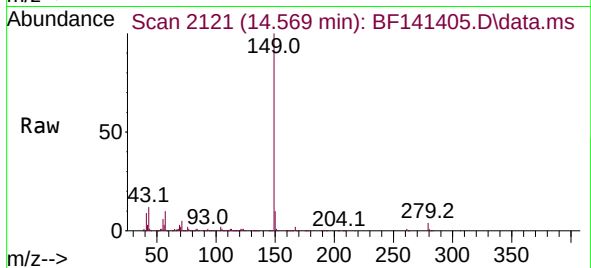
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



Tgt Ion:149 Resp: 750520

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

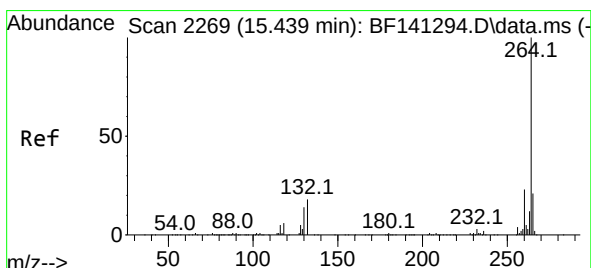
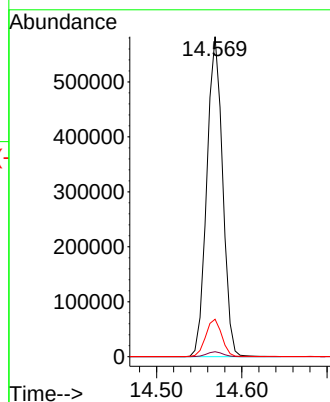
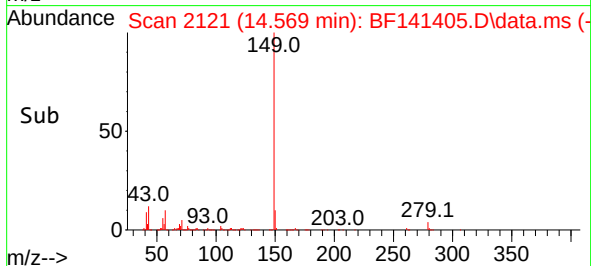
43 11.8 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

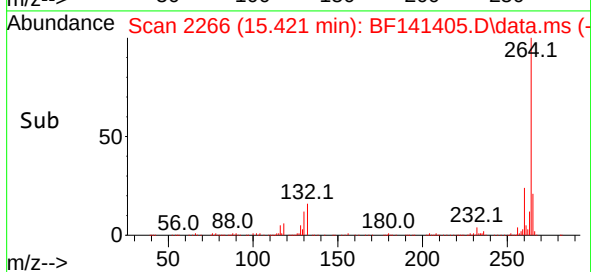
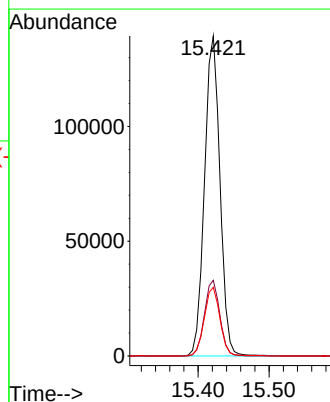
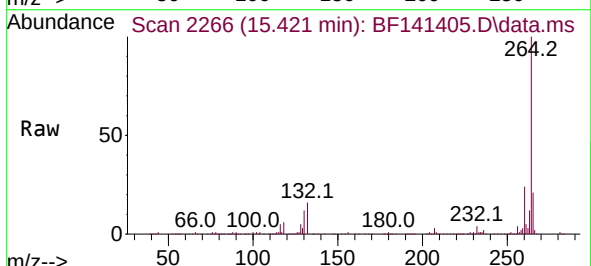
Tgt Ion:264 Resp: 210910

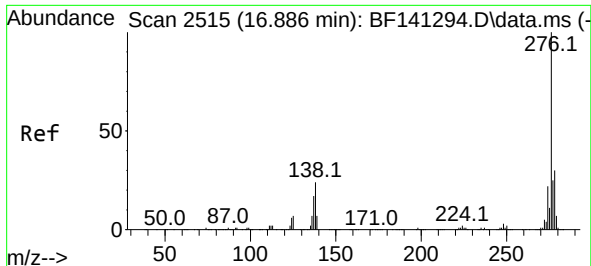
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 16.7 25.1





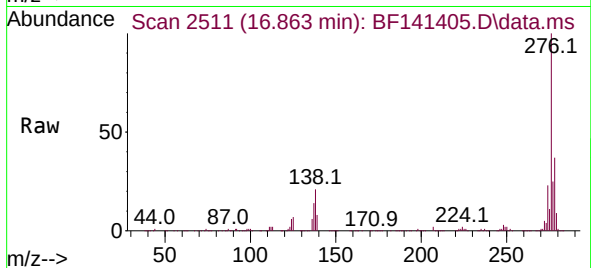
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.245 ng
RT: 16.863 min Scan# 2111
Delta R.T. -0.035 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

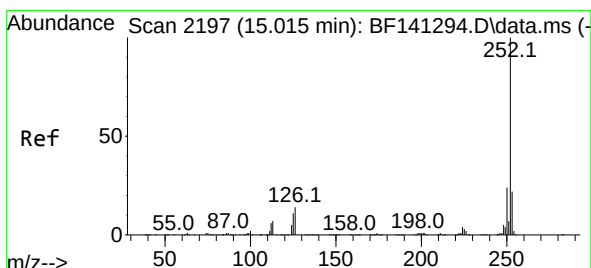
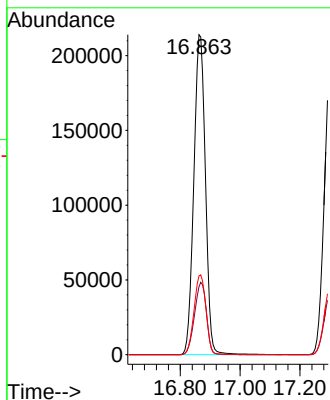
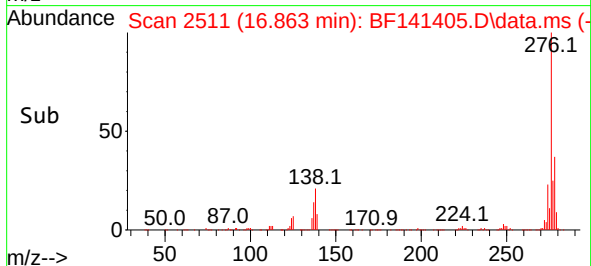


Tgt Ion:276 Resp: 575069
Ion Ratio Lower Upper
276 100
138 23.2 21.7 32.5
277 25.6 20.3 30.5

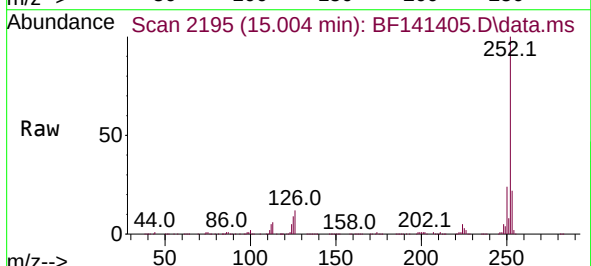
Manual Integrations

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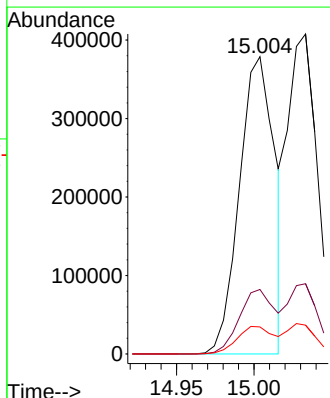
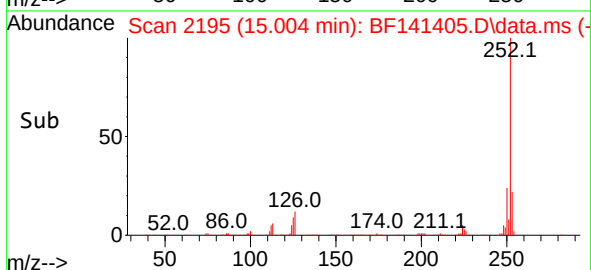
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

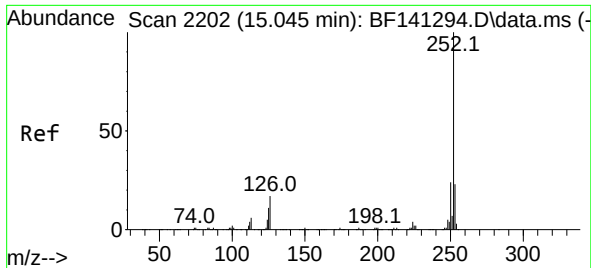


#88
Benzo(b)fluoranthene
Concen: 45.076 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



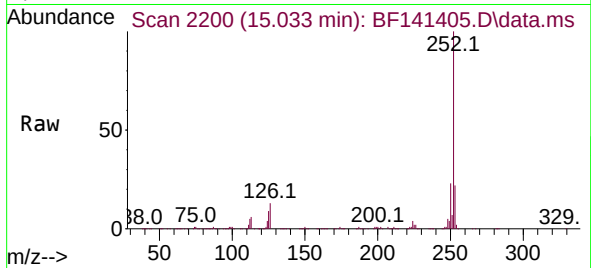
Tgt Ion:252 Resp: 598008
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 9.1 8.6 12.8





#89
Benzo(k)fluoranthene
Concen: 46.408 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

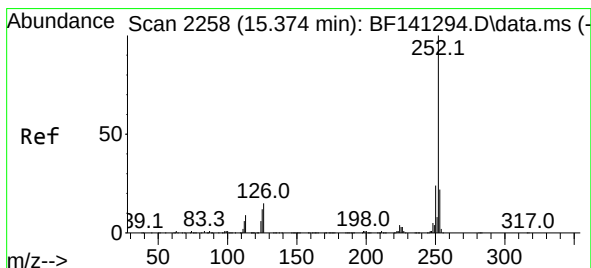
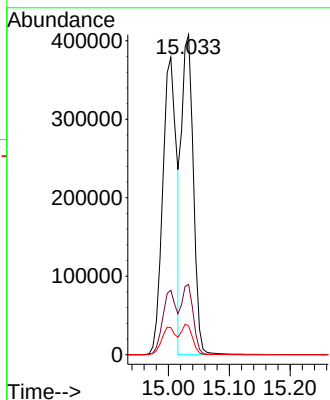
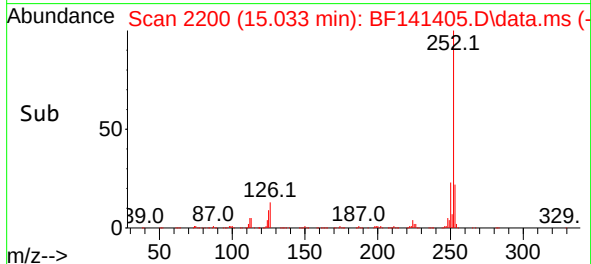
Instrument :
BNA_F
ClientSampleId :
PB166360BS



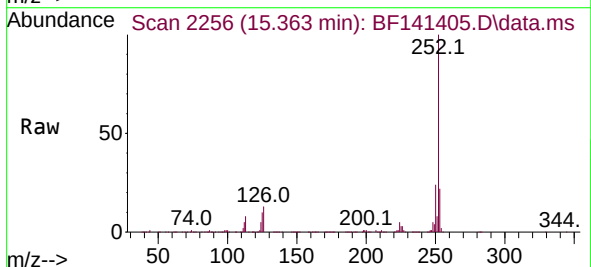
Tgt Ion:252 Resp: 545420
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 9.0 8.4 12.6

Manual Integrations
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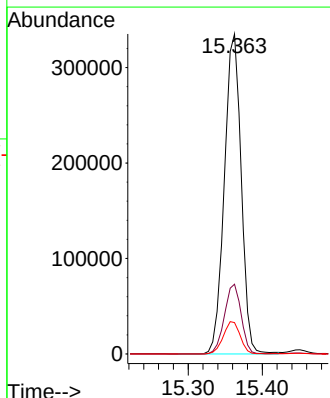
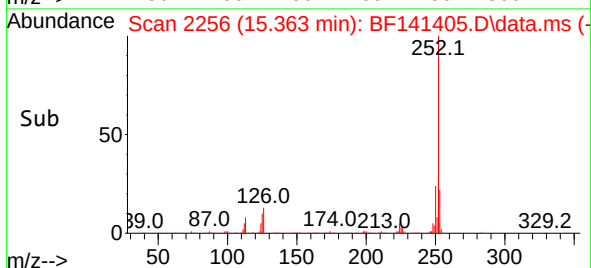
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

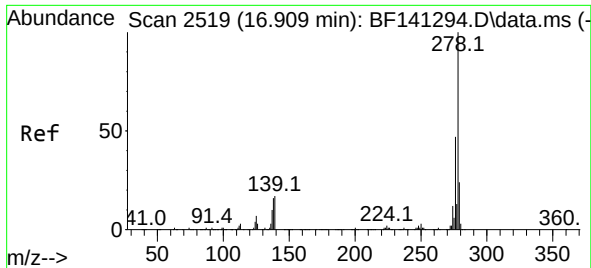


#90
Benzo(a)pyrene
Concen: 47.160 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:252 Resp: 528708
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 9.8 9.4 14.2





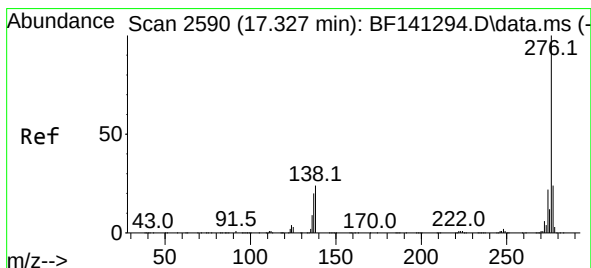
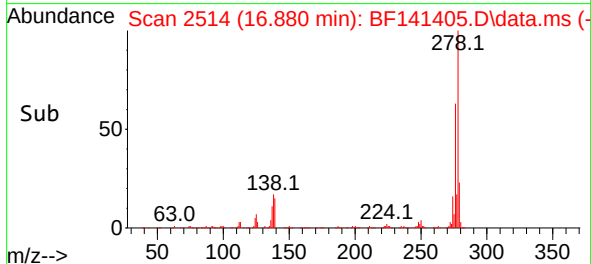
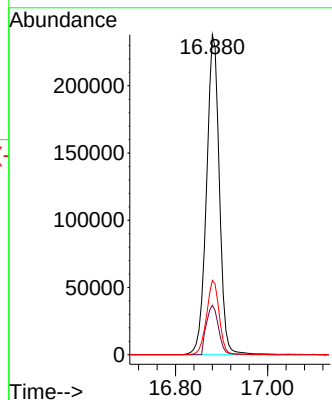
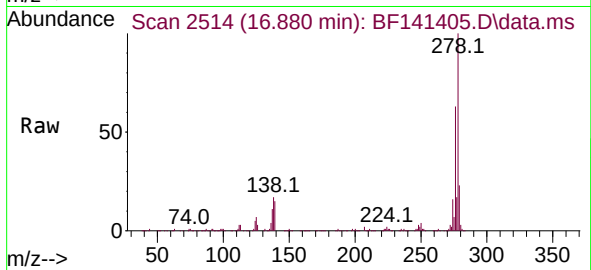
#91
Dibenzo(a,h)anthracene
Concen: 42.293 ng
RT: 16.880 min Scan# 2519
Delta R.T. -0.041 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:278 Resp: 46319
Ion Ratio Lower Upper
278 100
139 15.5 13.9 20.9
279 23.2 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#92
Benzo(g,h,i)perylene
Concen: 38.340 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:276 Resp: 436604
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 20.4 19.0 28.4

