

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
 Data File : BF141219.D
 Acq On : 20 Jan 2025 13:41
 Operator : RC/JU
 Sample : PB166117BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166117BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

Quant Time: Jan 20 14:32:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	161581	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	633827	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	339384	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	582564	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	369711	20.000	ng	-0.01
86) Perylene-d12	15.427	264	327689	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1405132	134.338	ng	0.00
7) Phenol-d6	6.445	99	1785636	134.772	ng	0.00
23) Nitrobenzene-d5	7.375	82	1150474	96.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	617755	159.748	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	2137782	96.189	ng	-0.01
79) Terphenyl-d14	12.921	244	2470572	99.321	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	188643	40.500	ng	98
3) Pyridine	3.357	79	474916	41.578	ng	96
4) n-Nitrosodimethylamine	3.310	42	256046	45.846	ng	95
6) Aniline	6.475	93	476816	40.534	ng	# 90
8) 2-Chlorophenol	6.598	128	573442	51.100	ng	97
9) Benzaldehyde	6.357	77	64159	8.222	ng	98
10) Phenol	6.457	94	677100	47.740	ng	90
11) bis(2-Chloroethyl)ether	6.551	93	509111	48.167	ng	97
12) 1,3-Dichlorobenzene	6.751	146	579660	46.314	ng	99
13) 1,4-Dichlorobenzene	6.828	146	595351	47.204	ng	100
14) 1,2-Dichlorobenzene	6.981	146	565440	48.062	ng	98
15) Benzyl Alcohol	6.957	79	491022	51.317	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.086	45	689172	46.725	ng	94
17) 2-Methylphenol	7.069	107	457615	50.510	ng	97
18) Hexachloroethane	7.322	117	218197	47.840	ng	98
19) n-Nitroso-di-n-propyla...	7.228	70	377769	48.403	ng	97
20) 3+4-Methylphenols	7.222	107	545954	47.765	ng	# 80
22) Acetophenone	7.222	105	727372	48.274	ng	# 95
24) Nitrobenzene	7.392	77	574678	46.115	ng	100
25) Isophorone	7.634	82	1030128	50.412	ng	99
26) 2-Nitrophenol	7.710	139	302338	53.335	ng	99
27) 2,4-Dimethylphenol	7.745	122	453311	59.285	ng	98
28) bis(2-Chloroethoxy)met...	7.845	93	627357	48.920	ng	100
29) 2,4-Dichlorophenol	7.951	162	462125	50.888	ng	100
30) 1,2,4-Trichlorobenzene	8.033	180	492811	47.476	ng	100
31) Naphthalene	8.116	128	1609272	48.145	ng	100
32) Benzoic acid	7.869	122	375125	51.143	ng	96
33) 4-Chloroaniline	8.163	127	193999	16.782	ng	99
34) Hexachlorobutadiene	8.233	225	303323	48.496	ng	99
35) Caprolactam	8.533	113	151032m	50.799	ng	
36) 4-Chloro-3-methylphenol	8.645	107	505923	50.940	ng	99
37) 2-Methylnaphthalene	8.804	142	1057471	49.647	ng	99
38) 1-Methylnaphthalene	8.904	142	980871	46.727	ng	100
40) 1,2,4,5-Tetrachloroben...	8.969	216	488519	50.151	ng	99
41) Hexachlorocyclopentadiene	8.957	237	602613	189.090	ng	99
43) 2,4,6-Trichlorophenol	9.080	196	345034	52.519	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	349371	50.353	ng	98
46) 1,1'-Biphenyl	9.269	154	1289480	48.924	ng	99
47) 2-Chloronaphthalene	9.292	162	977375	47.611	ng	100
48) 2-Nitroaniline	9.386	65	301187	49.494	ng	99
49) Acenaphthylene	9.710	152	1529336	52.144	ng	100
50) Dimethylphthalate	9.575	163	1147172	50.349	ng	100
51) 2,6-Dinitrotoluene	9.633	165	258267	48.745	ng	98
52) Acenaphthene	9.880	154	1146231	55.939	ng	100
53) 3-Nitroaniline	9.798	138	158420	29.423	ng	98
54) 2,4-Dinitrophenol	9.910	184	312413	124.051	ng	95
55) Dibenzofuran	10.057	168	1383773	49.648	ng	100
56) 4-Nitrophenol	9.963	139	428885	101.709	ng	95
57) 2,4-Dinitrotoluene	10.039	165	352735	51.659	ng	97
58) Fluorene	10.398	166	1068273	49.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	308042	53.412	ng	98
60) Diethylphthalate	10.275	149	1107152	49.775	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	521088	49.376	ng	97
62) 4-Nitroaniline	10.416	138	269551	51.150	ng	98
63) Azobenzene	10.551	77	1071575	48.824	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	205269	60.806	ng	97
66) n-Nitrosodiphenylamine	10.510	169	944135	50.246	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	343255	51.178	ng	99
68) Hexachlorobenzene	10.945	284	384926	51.556	ng	97
69) Atrazine	11.039	200	323244	63.889	ng	99
70) Pentachlorophenol	11.139	266	484924	101.419	ng	99
71) Phenanthrene	11.357	178	1613241	51.581	ng	100
72) Anthracene	11.410	178	1644084	54.062	ng	100
73) Carbazole	11.563	167	1441828	51.706	ng	100
74) Di-n-butylphthalate	11.898	149	1644597	51.535	ng	100
75) Fluoranthene	12.545	202	1664799	53.341	ng	99
77) Benzidine	12.668	184	413432	60.302	ng	100
78) Pyrene	12.774	202	1696152	48.033	ng	100
80) Butylbenzylphthalate	13.398	149	645425	54.821	ng	97
81) Benzo(a)anthracene	13.963	228	1226022	48.727	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	234111	29.221	ng	98
83) Chrysene	13.998	228	1173460	49.843	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	778945	55.141	ng	100
85) Di-n-octyl phthalate	14.574	149	1114477	52.245	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	1231486	51.296	ng	98
88) Benzo(b)fluoranthene	15.009	252	1031329	48.808	ng	100
89) Benzo(k)fluoranthene	15.039	252	1000935	56.053	ng	99
90) Benzo(a)pyrene	15.368	252	968156	55.533	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	987145	50.838	ng	98
92) Benzo(g,h,i)perylene	17.315	276	925984	45.848	ng	99

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

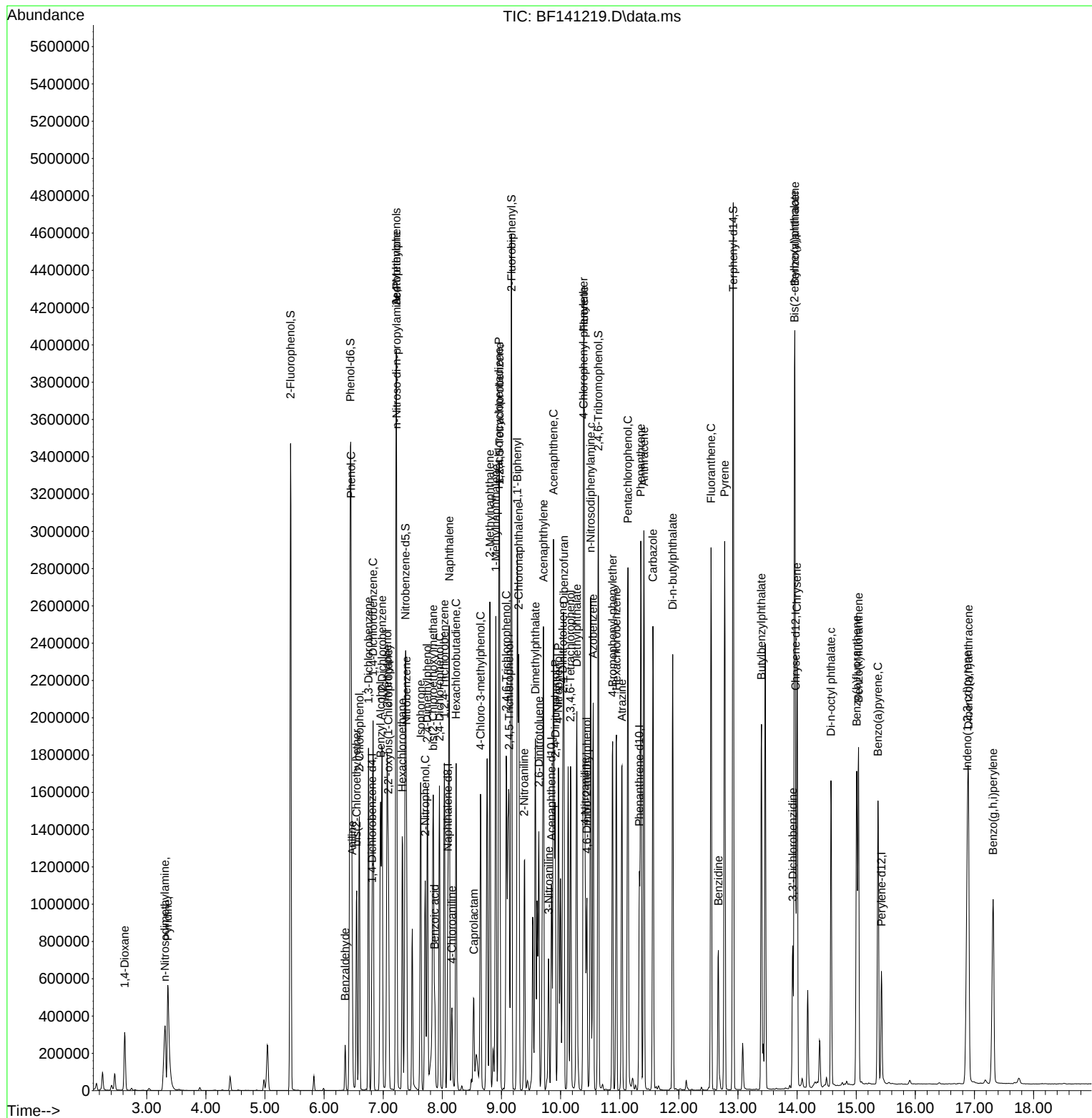
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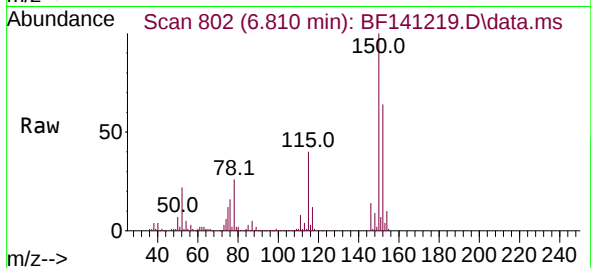
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

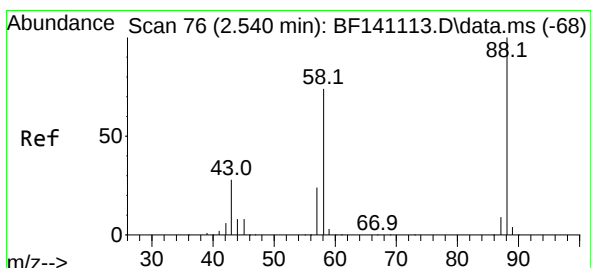
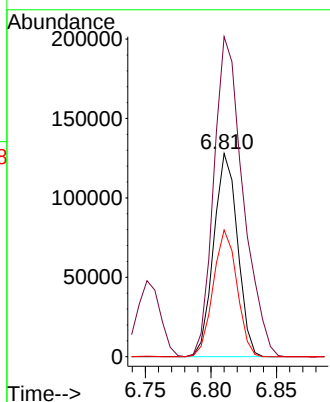
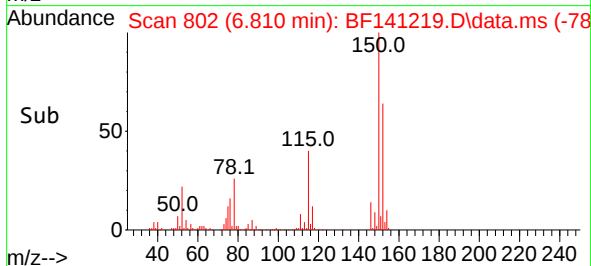
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:152 Resp: 16158
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.8
115 62.4 51.4 77.2

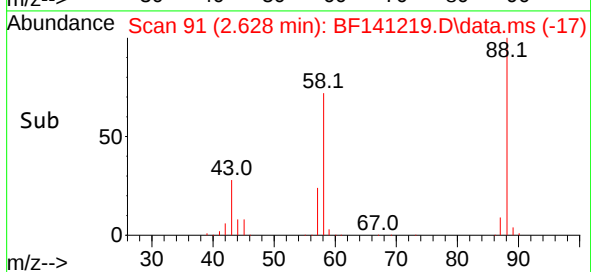
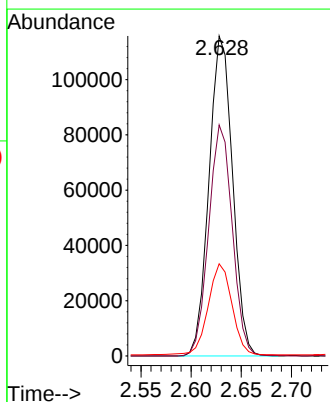
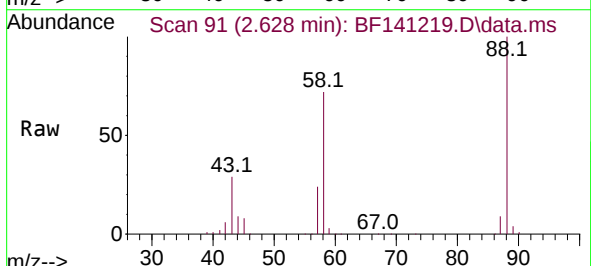
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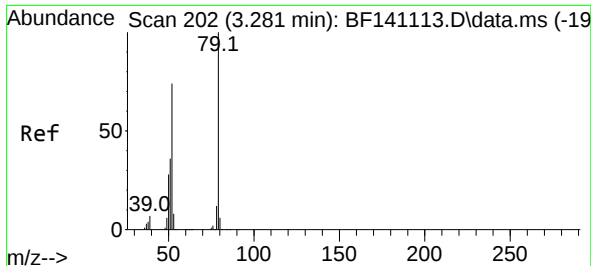
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#2
1,4-Dioxane
Concen: 40.500 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.088 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

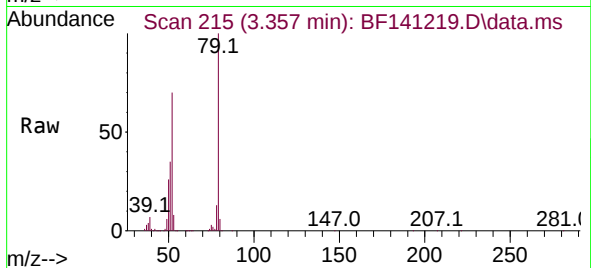
Tgt Ion: 88 Resp: 188643
Ion Ratio Lower Upper
88 100
58 72.5 60.1 90.1
43 28.9 23.1 34.7





#3
Pyridine
Concen: 41.578 ng
RT: 3.357 min Scan# 215
Delta R.T. 0.076 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

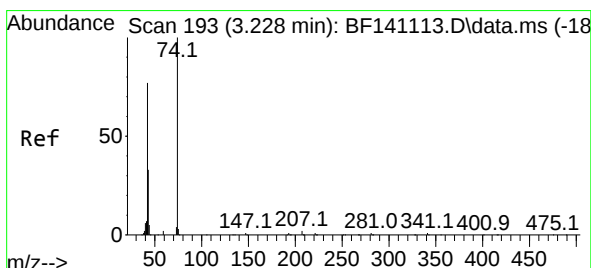
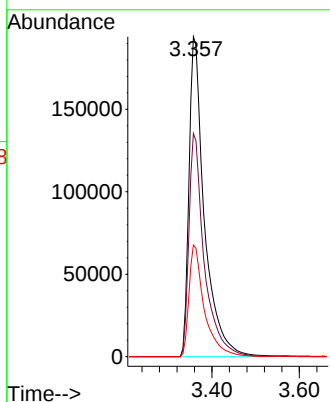
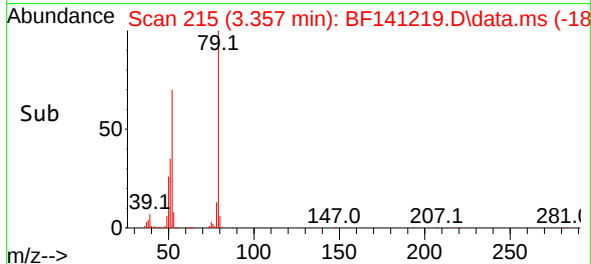
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Tgt Ion: 79 Resp: 474910
Ion Ratio Lower Upper
79 100
52 69.8 58.9 88.3
51 34.9 29.1 43.7

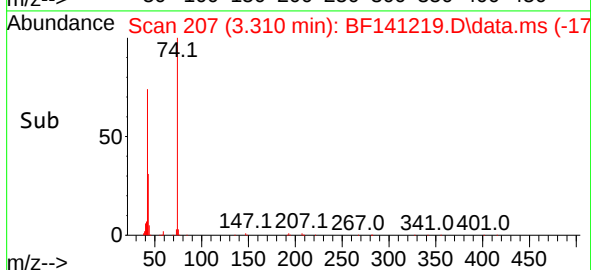
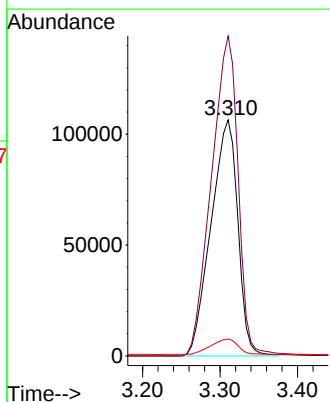
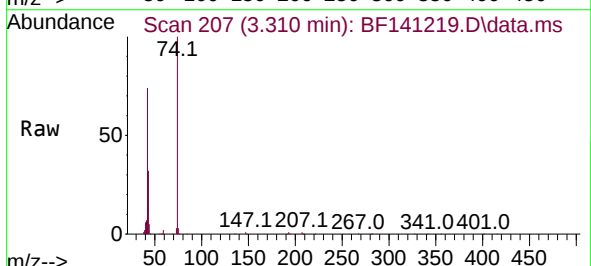
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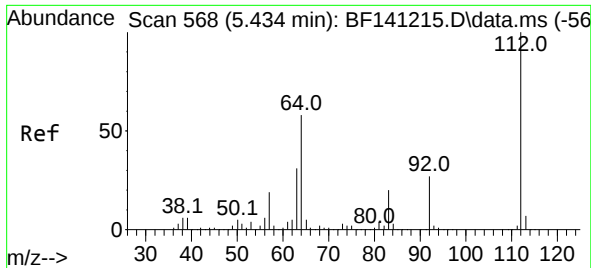
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#4
n-Nitrosodimethylamine
Concen: 45.846 ng
RT: 3.310 min Scan# 207
Delta R.T. 0.082 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

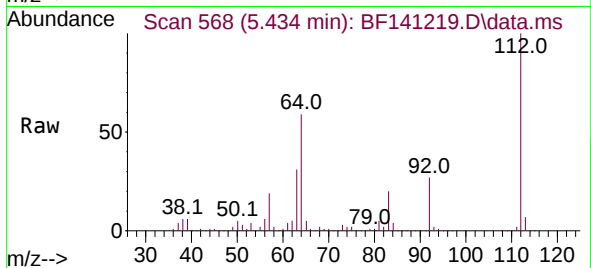
Tgt Ion: 42 Resp: 256046
Ion Ratio Lower Upper
42 100
74 135.5 103.8 155.6
44 7.2 5.3 7.9





#5
2-Fluorophenol
Concen: 134.338 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

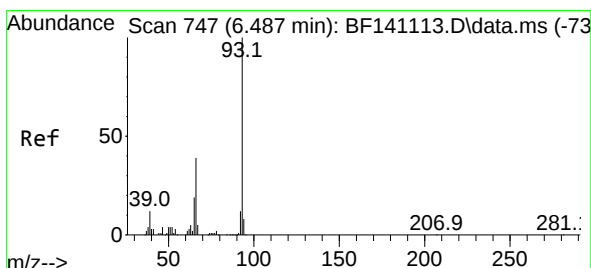
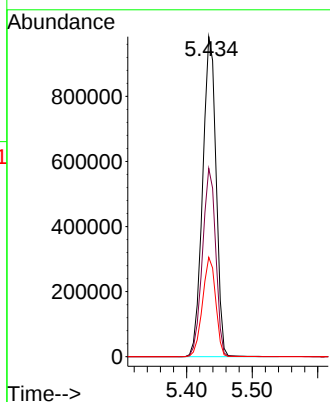
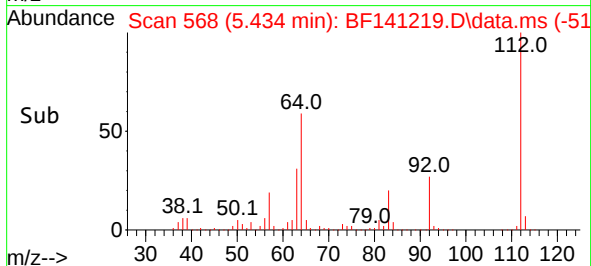
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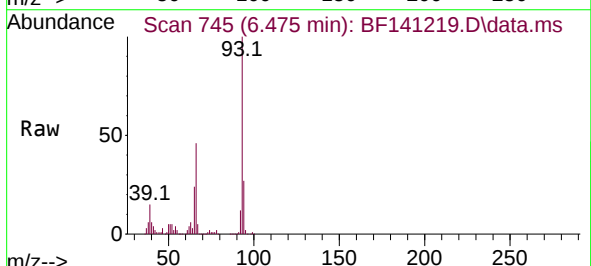
Tgt Ion:112 Resp: 140513
Ion Ratio Lower Upper
112 100
64 58.9 47.3 70.9
63 31.1 24.2 36.2

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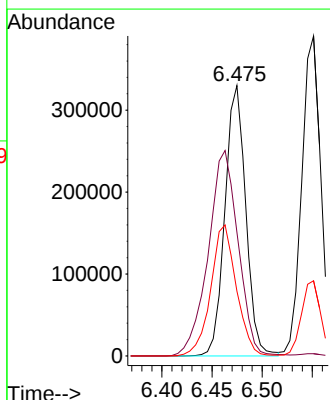
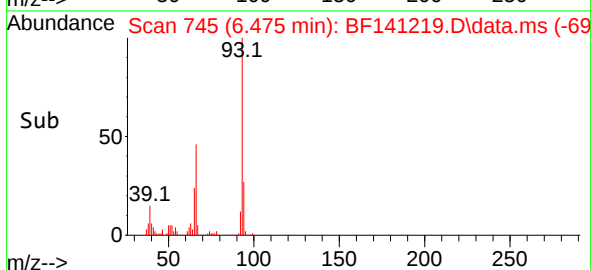
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#6
Aniline
Concen: 40.534 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



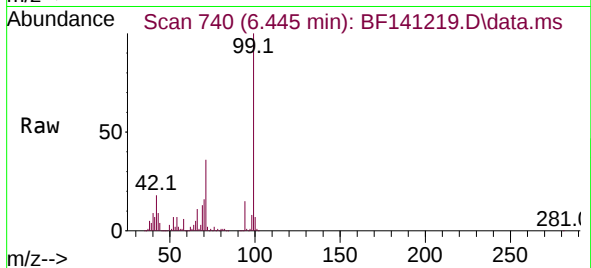
Tgt Ion: 93 Resp: 476816
Ion Ratio Lower Upper
93 100
66 45.7 31.5 47.3
65 24.0 15.3 22.9





#7
Phenol-d6
Concen: 134.772 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

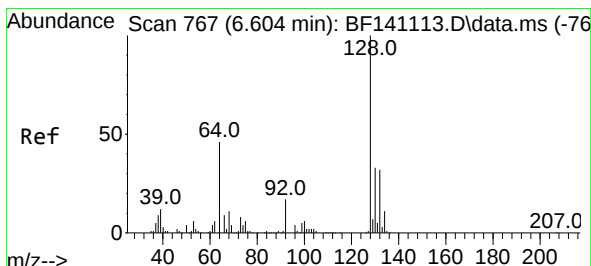
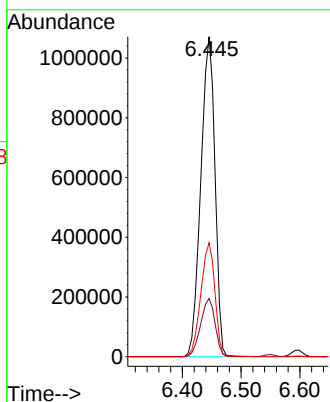
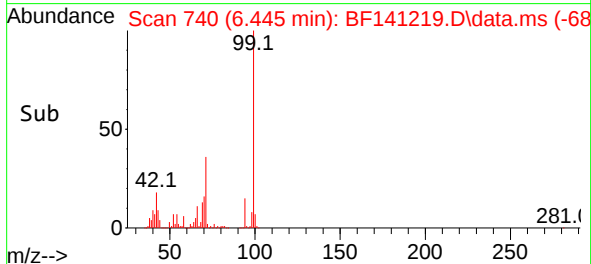
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Tgt Ion: 99 Resp: 1785630
Ion Ratio Lower Upper
99 100
42 18.2 15.0 22.4
71 35.6 27.6 41.4

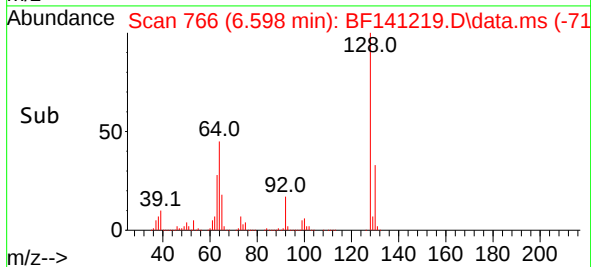
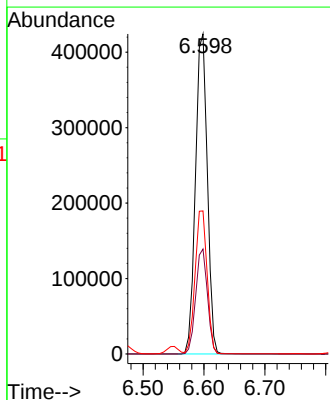
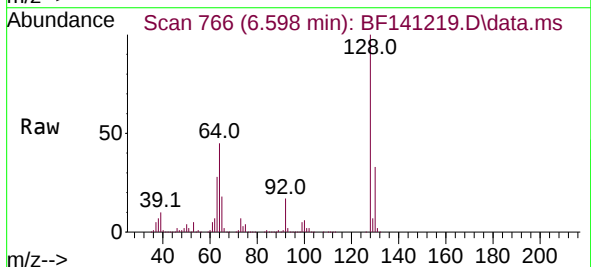
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#8
2-Chlorophenol
Concen: 51.100 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

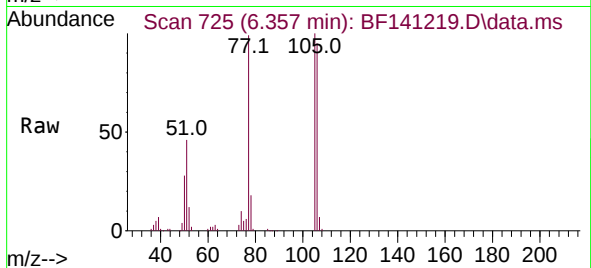
Tgt Ion:128 Resp: 573442
Ion Ratio Lower Upper
128 100
130 32.8 12.5 52.5
64 44.7 28.3 68.3





#9
Benzaldehyde
Concen: 8.222 ng
RT: 6.357 min Scan# 701
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

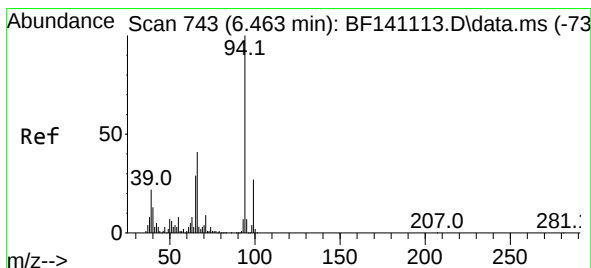
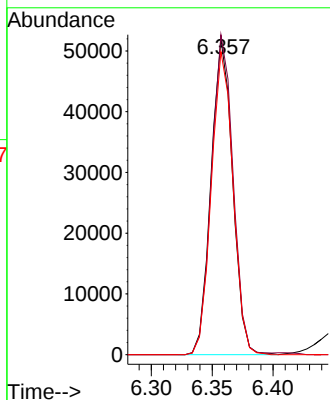
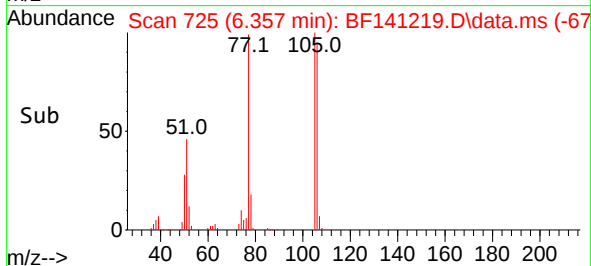
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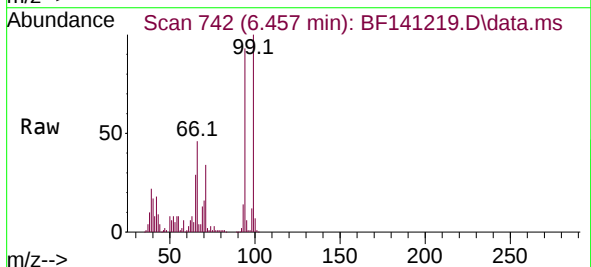
Tgt Ion: 77 Resp: 6415
Ion Ratio Lower Upper
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105 101.3 78.9 118.9
106 96.0 73.6 113.6

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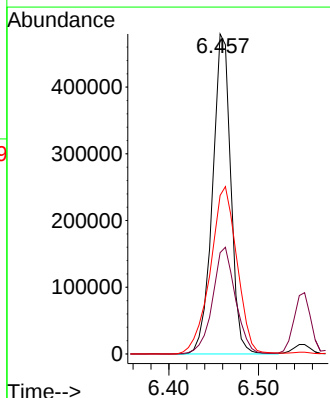
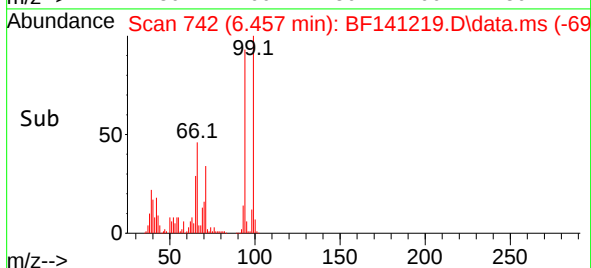
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#10
Phenol
Concen: 47.740 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



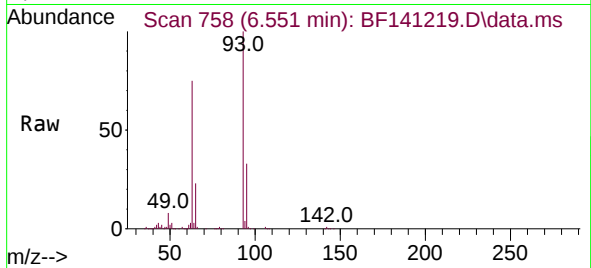
Tgt Ion: 94 Resp: 677100
Ion Ratio Lower Upper
94 100
65 31.6 8.9 48.9
66 49.6 21.2 61.2





#11
bis(2-Chloroethyl)ether
Concen: 48.167 ng
RT: 6.551 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

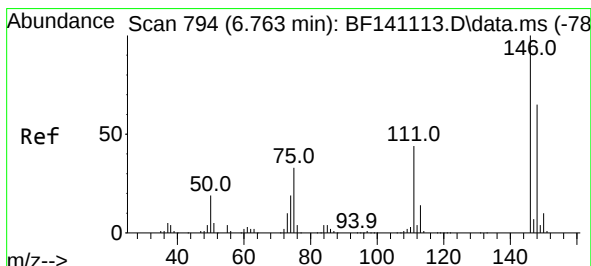
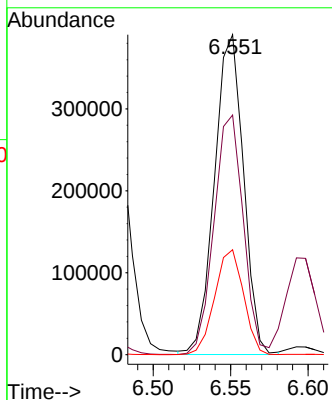
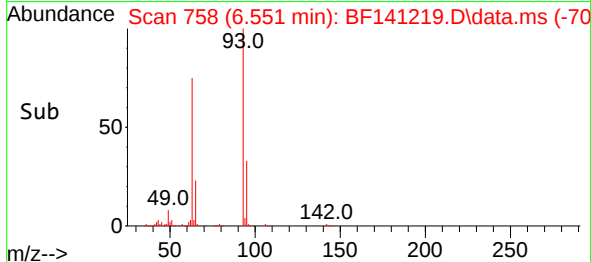
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion: 93 Resp: 50911
Ion Ratio Lower Upper
93 100
63 74.9 58.0 98.0
95 32.8 12.5 52.5

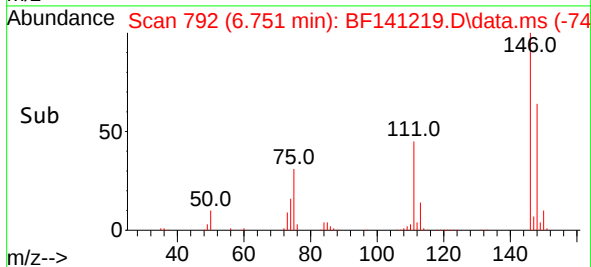
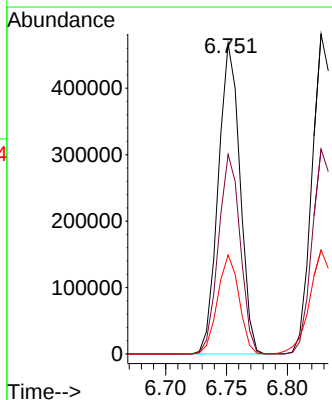
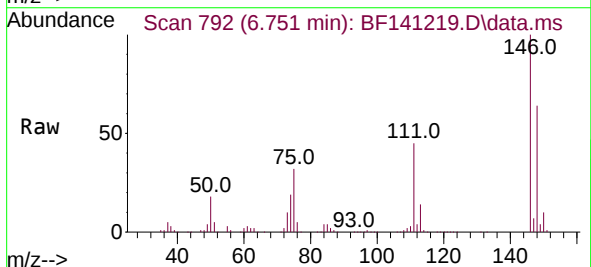
Manual Integrations
APPROVED

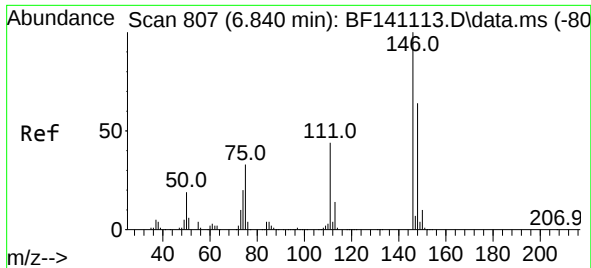
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#12
1,3-Dichlorobenzene
Concen: 46.314 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

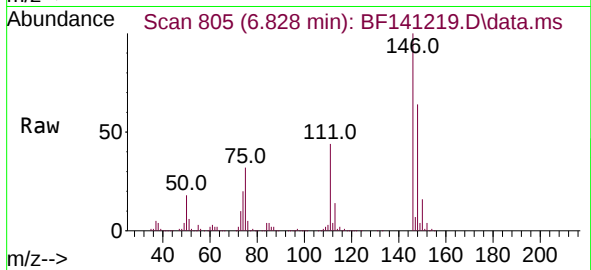
Tgt Ion:146 Resp: 579660
Ion Ratio Lower Upper
146 100
148 64.3 51.6 77.4
75 31.9 26.2 39.2





#13
1,4-Dichlorobenzene
Concen: 47.204 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

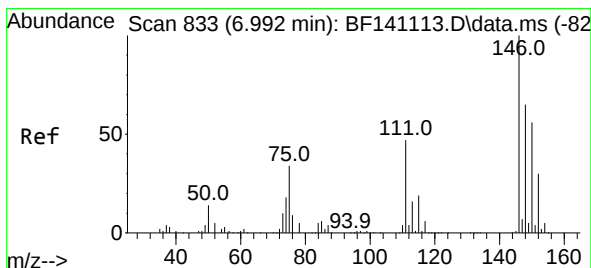
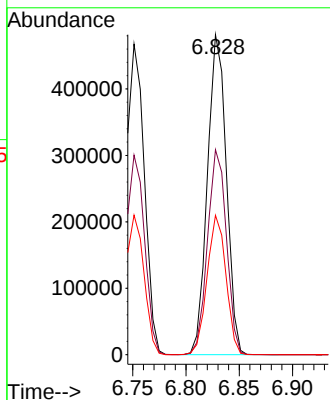
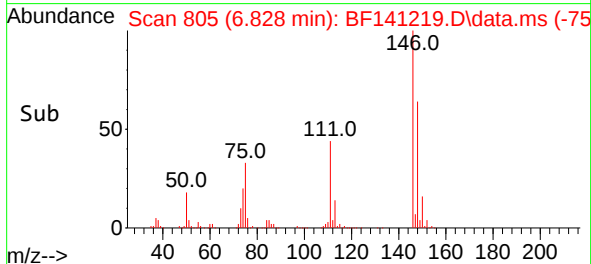
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



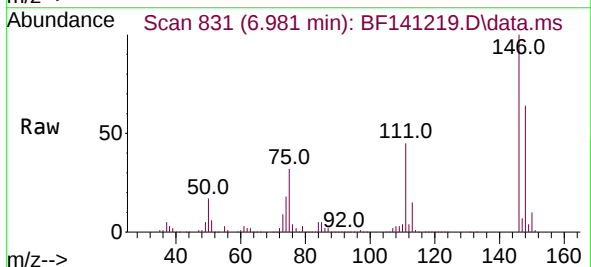
Tgt Ion:146 Resp: 59535
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.6
111 43.5 34.9 52.3

Manual Integrations
APPROVED

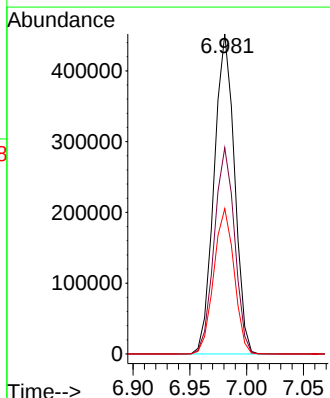
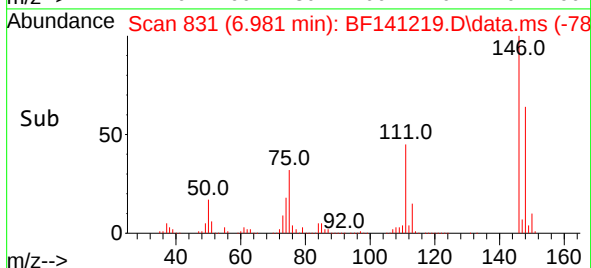
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

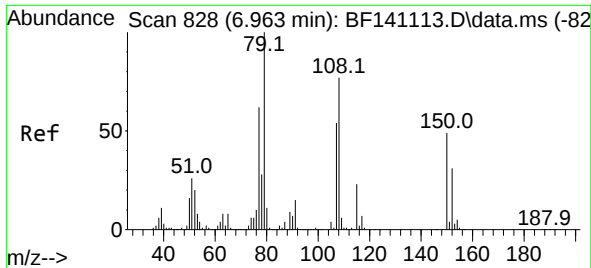


#14
1,2-Dichlorobenzene
Concen: 48.062 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



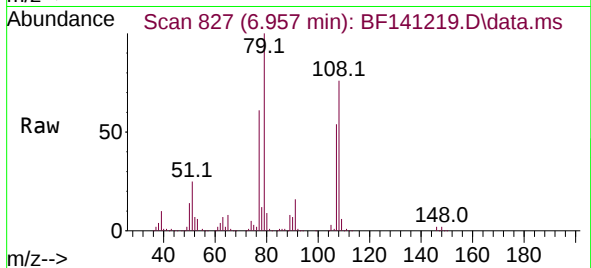
Tgt Ion:146 Resp: 565440
Ion Ratio Lower Upper
146 100
148 64.5 52.2 78.4
111 45.4 37.5 56.3





#15
Benzyl Alcohol
Concen: 51.317 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

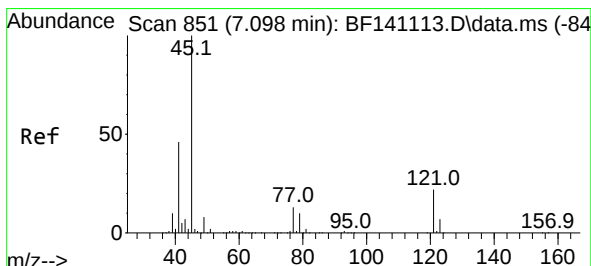
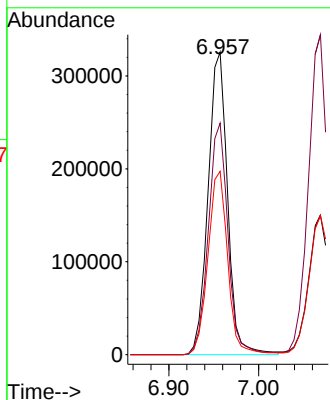
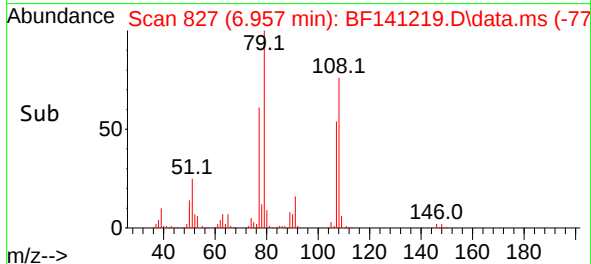
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



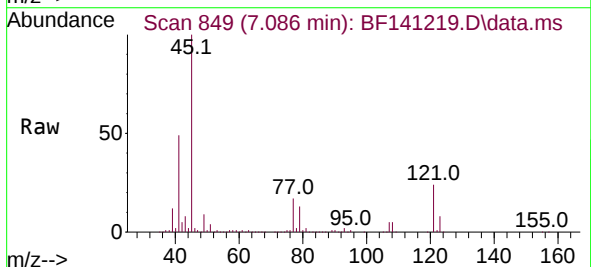
Tgt Ion: 79 Resp: 49102
Ion Ratio Lower Upper
79 100
108 76.5 61.4 92.0
77 60.6 49.8 74.6

Manual Integrations
APPROVED

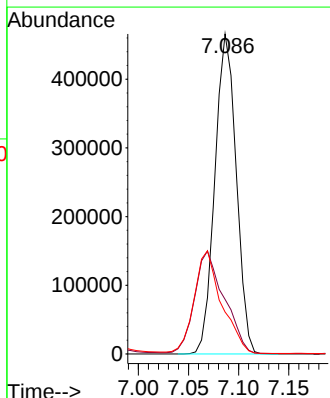
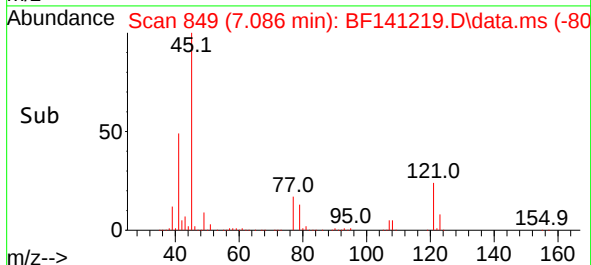
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

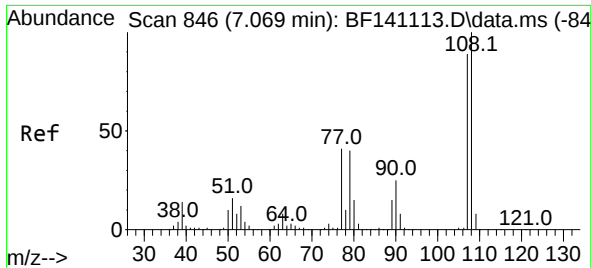


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.725 ng
RT: 7.086 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



Tgt Ion: 45 Resp: 689172
Ion Ratio Lower Upper
45 100
77 17.0 0.0 34.1
79 13.1 0.0 31.0





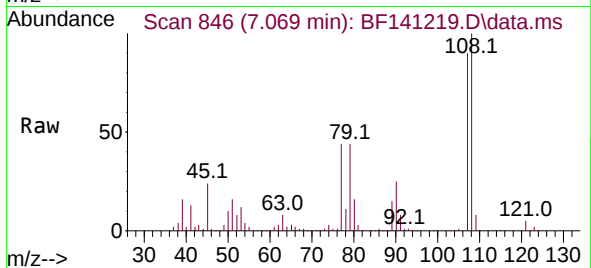
#17
2-Methylphenol
Concen: 50.510 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

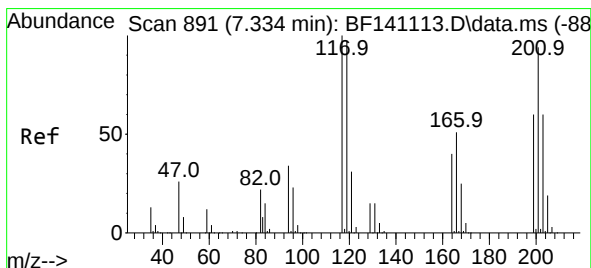
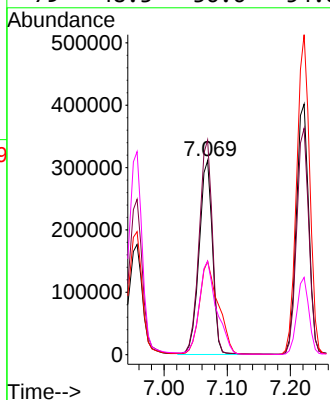
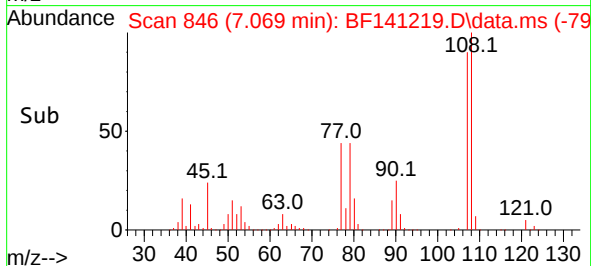


Tgt Ion:107 Resp: 457615
Ion Ratio Lower Upper
107 100
108 110.7 90.1 135.1
77 48.2 36.6 55.0
79 48.3 36.6 54.8

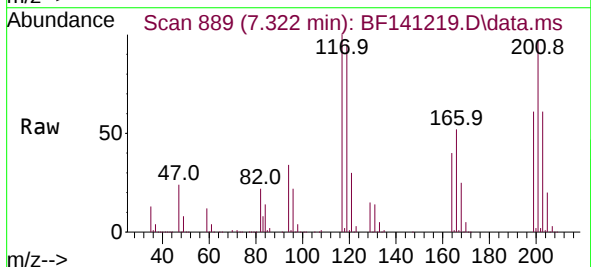
Manual Integrations

APPROVED

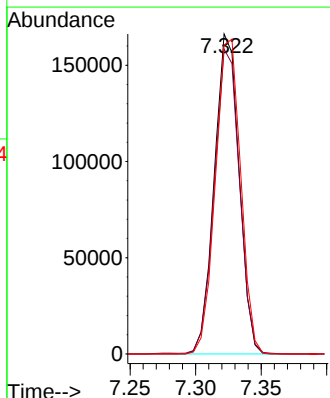
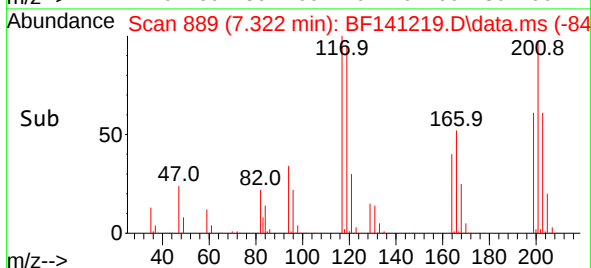
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#18
Hexachloroethane
Concen: 47.840 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



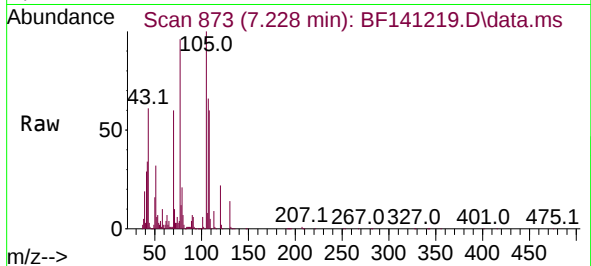
Tgt Ion:117 Resp: 218197
Ion Ratio Lower Upper
117 100
119 95.2 77.6 116.4
201 96.5 75.1 112.7





#19
n-Nitroso-di-n-propylamine
Concen: 48.403 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

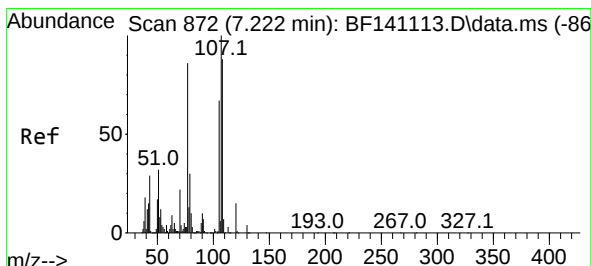
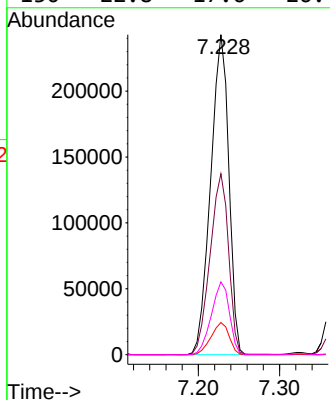
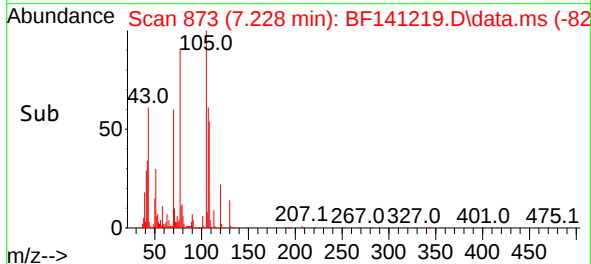
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



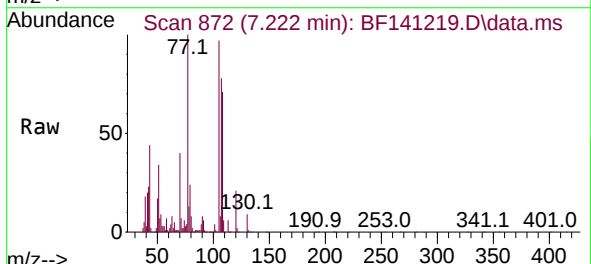
Tgt Ion: 70 Resp: 377769
Ion Ratio Lower Upper
70 100
42 56.6 47.8 71.6
101 10.0 7.9 11.9
130 22.8 17.6 26.4

Manual Integrations
APPROVED

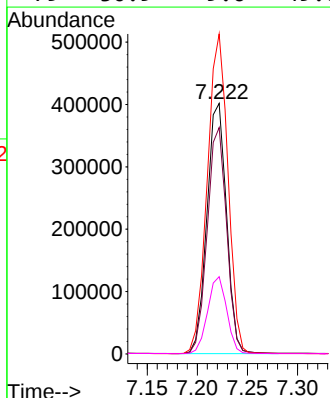
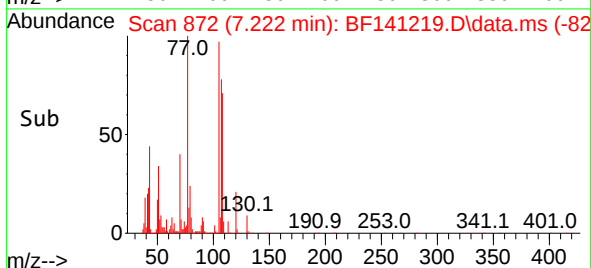
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

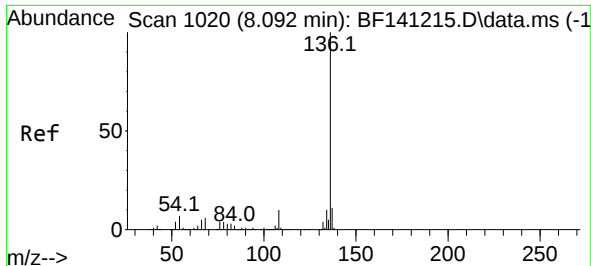


#20
3+4-Methylphenols
Concen: 47.765 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



Tgt Ion:107 Resp: 545954
Ion Ratio Lower Upper
107 100
108 90.3 68.3 108.3
77 127.7 66.4 106.4#
79 30.9 9.6 49.6





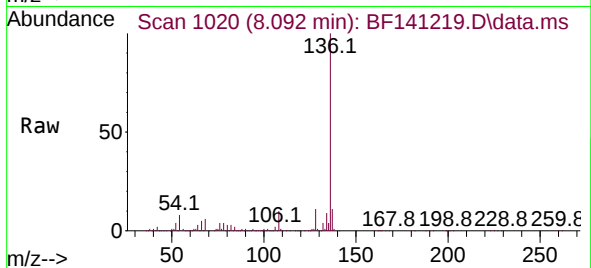
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD



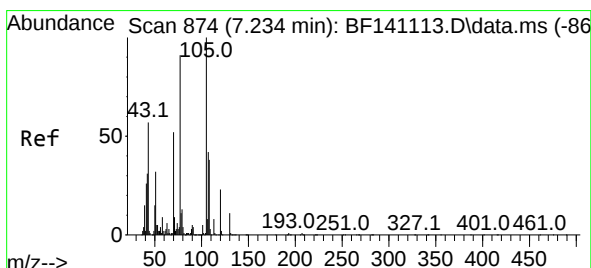
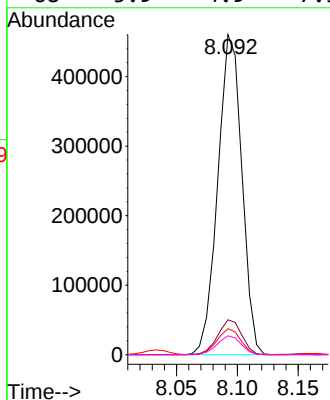
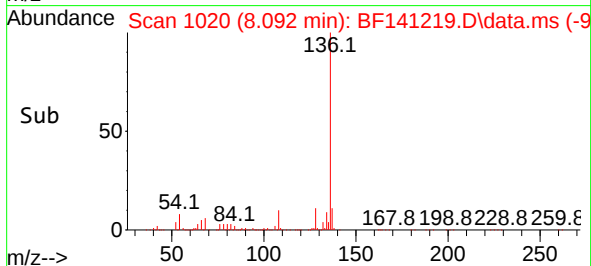
Tgt Ion:136 Resp: 63382
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 6.3 9.5
68 5.9 4.9 7.3

Manual Integrations

APPROVED

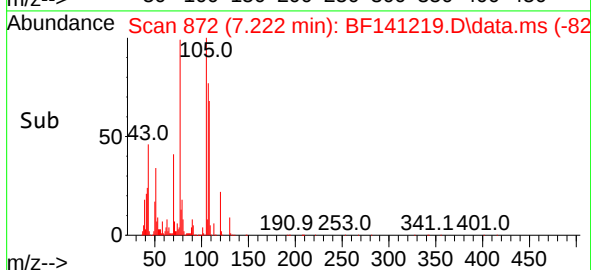
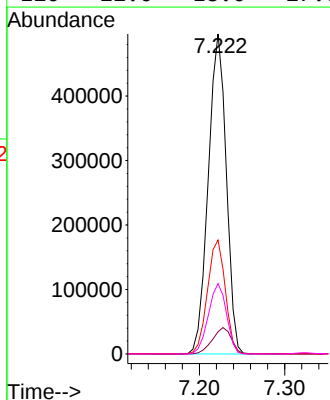
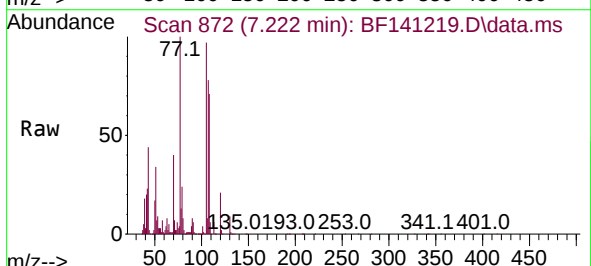
Reviewed By :Yogesh Patel 01/21/2025

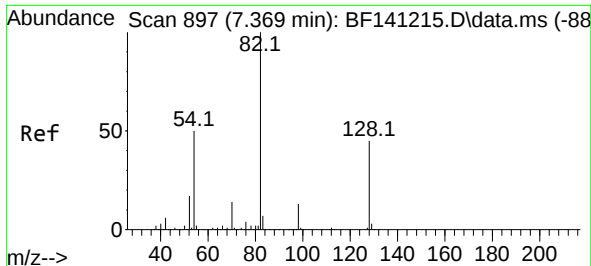
Supervised By :mohammad ahmed 01/21/2025



#22
Acetophenone
Concen: 48.274 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:105 Resp: 727372
Ion Ratio Lower Upper
105 100
71 7.0 7.1 10.7#
51 35.6 25.4 38.2
120 22.0 18.0 27.0





#23

Nitrobenzene-d5

Concen: 96.217 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

Tgt Ion: 82 Resp: 1150474

Ion Ratio Lower Upper

82 100

128 45.1 36.1 54.1

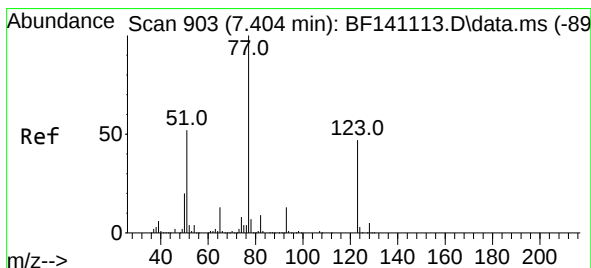
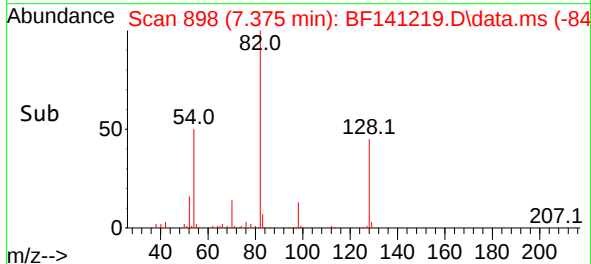
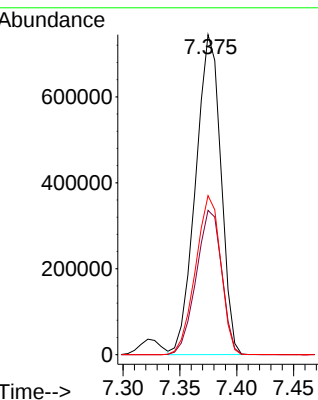
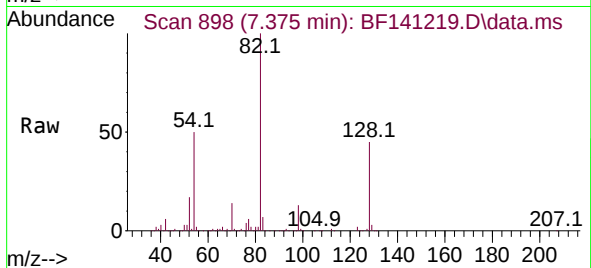
54 49.7 41.0 61.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#24

Nitrobenzene

Concen: 46.115 ng

RT: 7.392 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

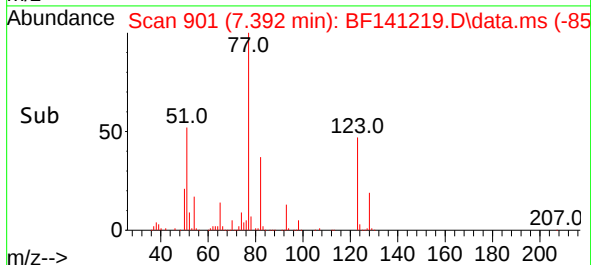
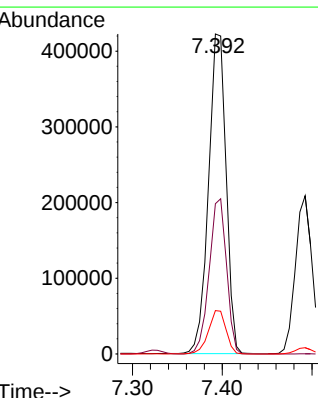
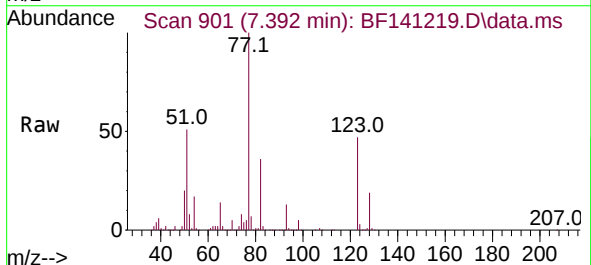
Tgt Ion: 77 Resp: 574678

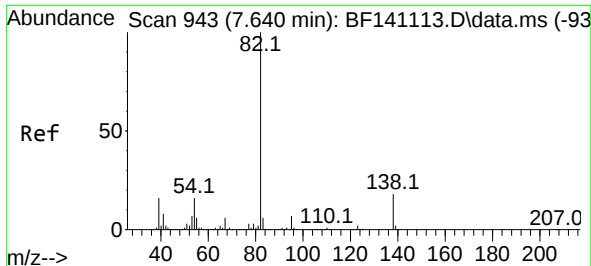
Ion Ratio Lower Upper

77 100

123 46.9 37.7 56.5

65 13.6 10.6 16.0





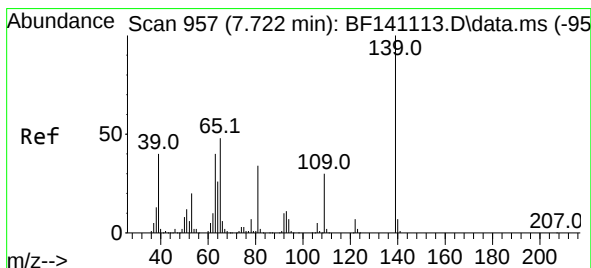
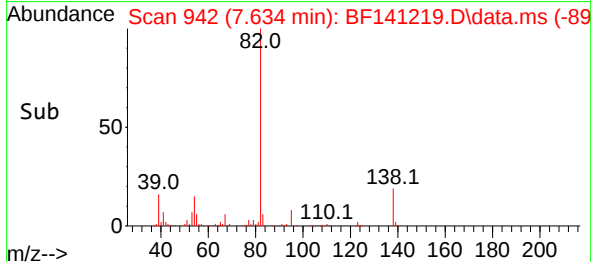
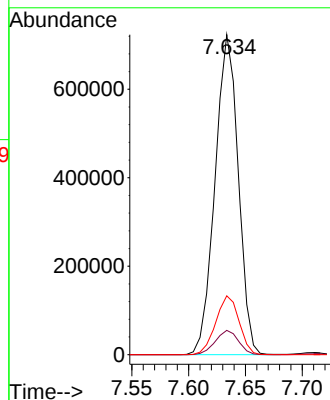
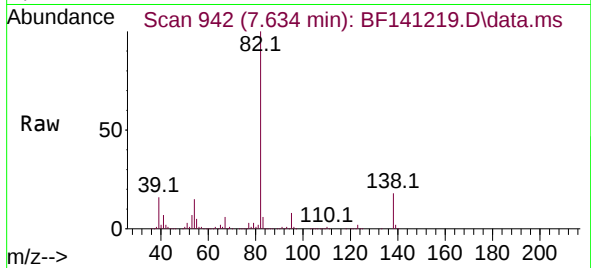
#25
Isophorone
Concen: 50.412 ng
RT: 7.634 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 82 Resp: 1030128
Ion Ratio Lower Upper
82 100
95 7.6 5.9 8.9
138 18.4 14.2 21.2

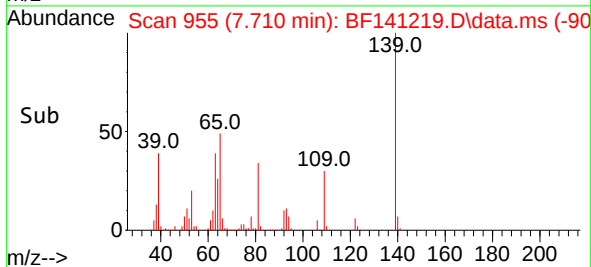
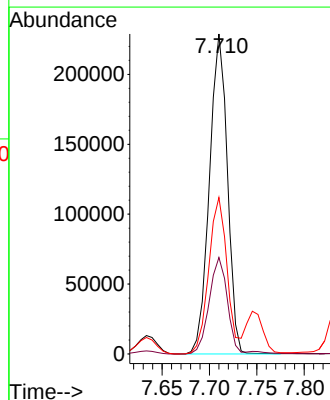
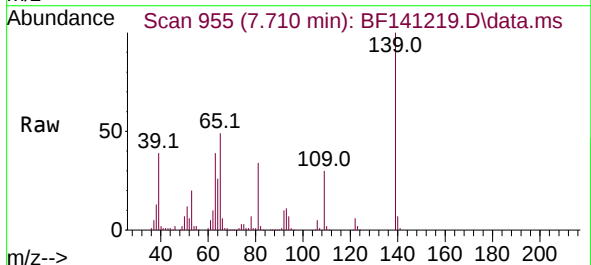
Manual Integrations
APPROVED

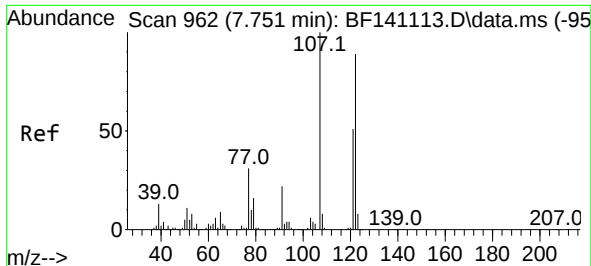
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#26
2-Nitrophenol
Concen: 53.335 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

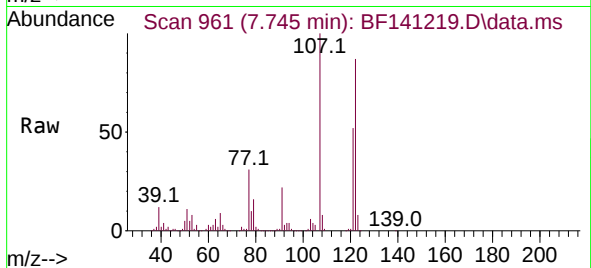
Tgt Ion:139 Resp: 302338
Ion Ratio Lower Upper
139 100
109 30.1 23.8 35.6
65 48.9 38.5 57.7





#27
2,4-Dimethylphenol
Concen: 59.285 ng
RT: 7.745 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

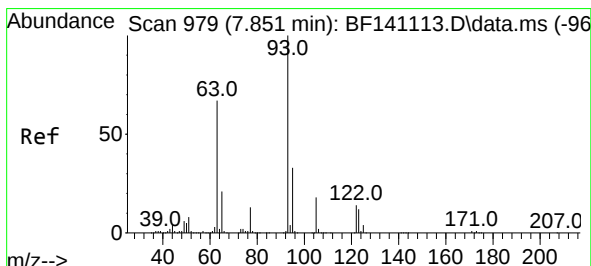
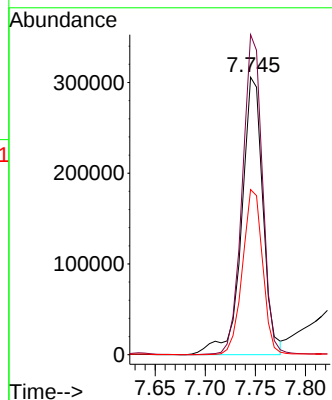
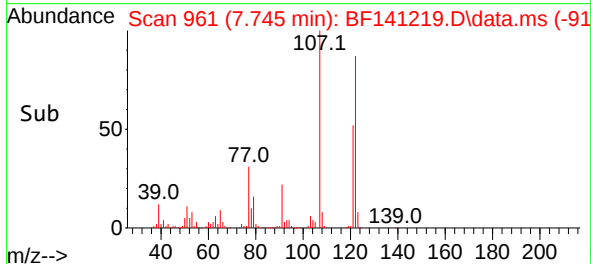
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:122 Resp: 45331
Ion Ratio Lower Upper
122 100
107 115.3 90.3 135.5
121 59.5 46.5 69.7

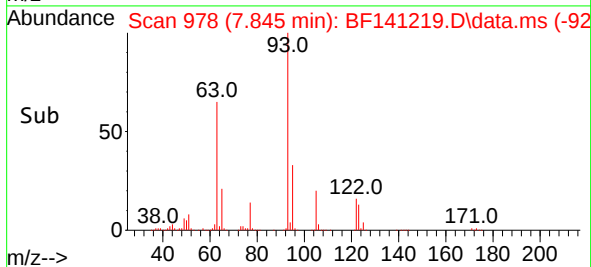
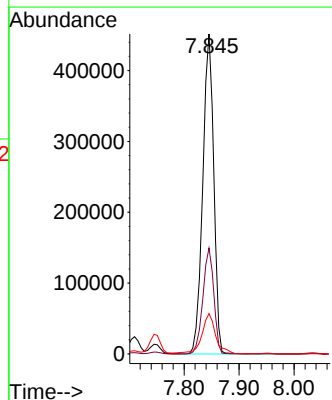
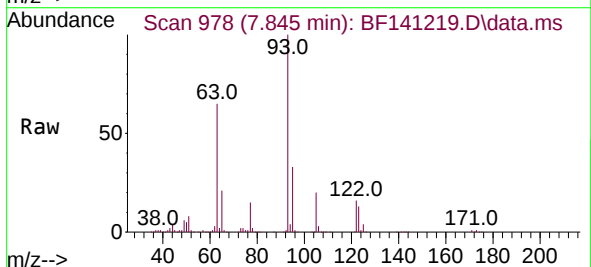
Manual Integrations
APPROVED

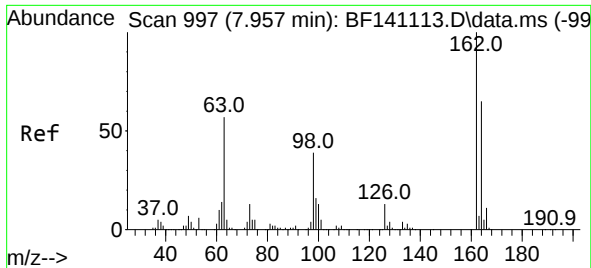
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#28
bis(2-Chloroethoxy)methane
Concen: 48.920 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 93 Resp: 627357
Ion Ratio Lower Upper
93 100
95 33.1 26.2 39.4
123 12.6 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 50.888 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

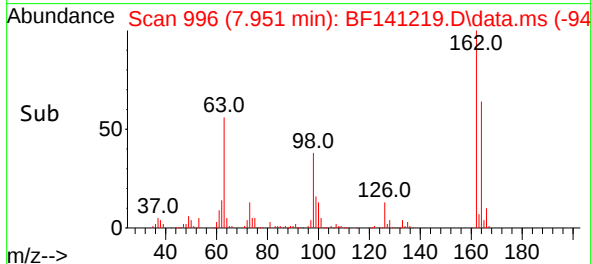
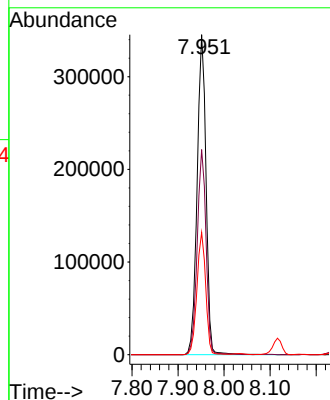
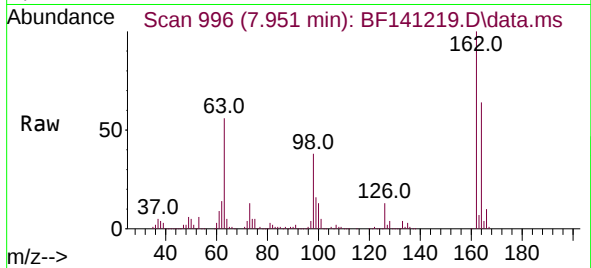
Tgt Ion:162 Resp: 462125
 Ion Ratio Lower Upper
 162 100
 164 64.1 44.5 84.5
 98 38.2 18.5 58.5

Manual Integrations

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Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#30

1,2,4-Trichlorobenzene

Concen: 47.476 ng

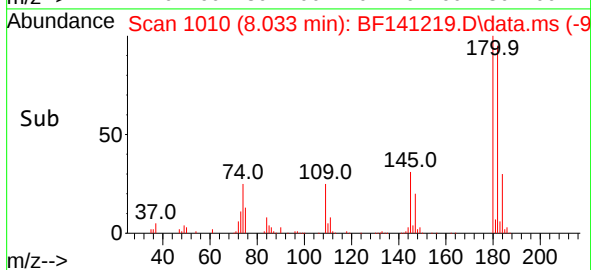
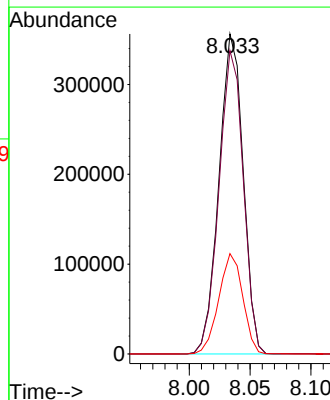
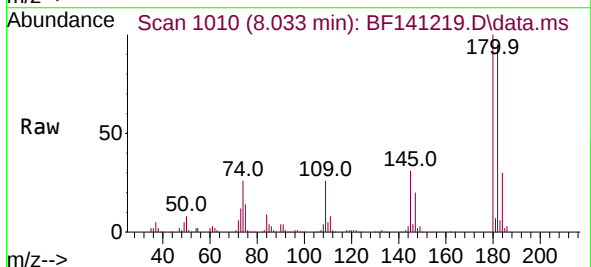
RT: 8.033 min Scan# 1010

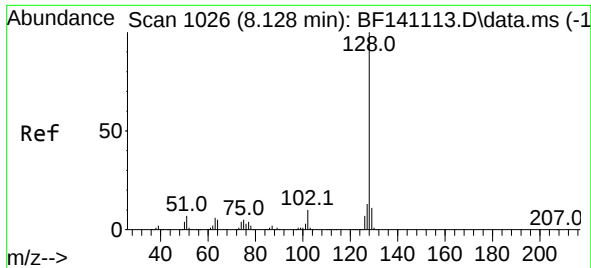
Delta R.T. -0.012 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

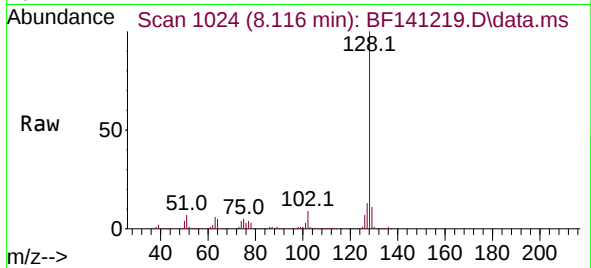
Tgt Ion:180 Resp: 492811
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.2 114.2
 145 31.4 25.3 37.9





#31
Naphthalene
Concen: 48.145 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

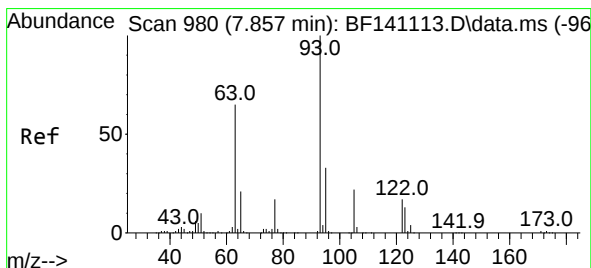
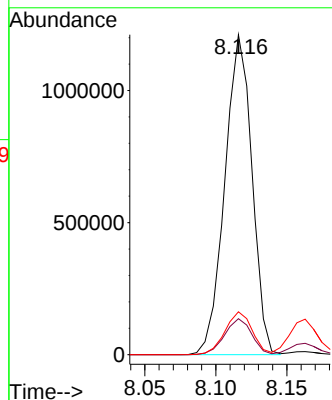
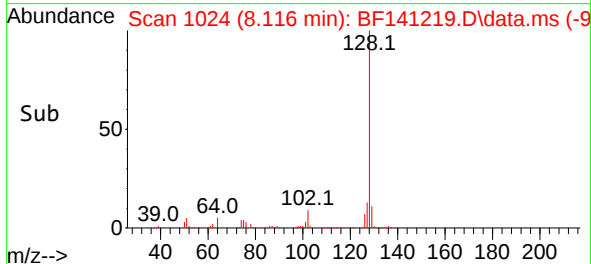
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:128 Resp: 160927
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.4 10.8 16.2

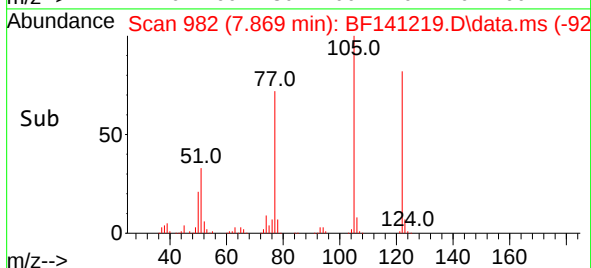
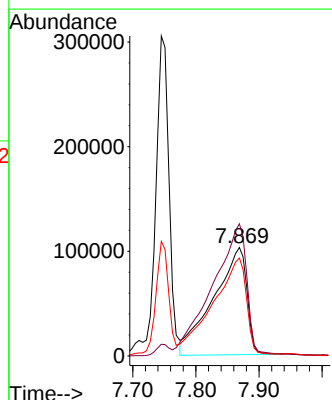
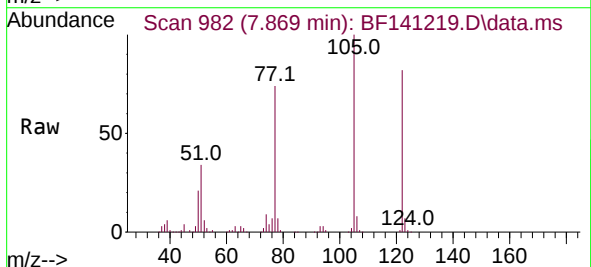
Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#32
Benzoic acid
Concen: 51.143 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:122 Resp: 375125
Ion Ratio Lower Upper
122 100
105 121.7 105.5 145.5
77 90.2 75.1 115.1





#33

4-Chloroaniline

Concen: 16.782 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.012 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

Tgt Ion:127 Resp: 193999

Ion Ratio Lower Upper

127 100

129 32.1 25.9 38.9

65 29.1 23.8 35.8

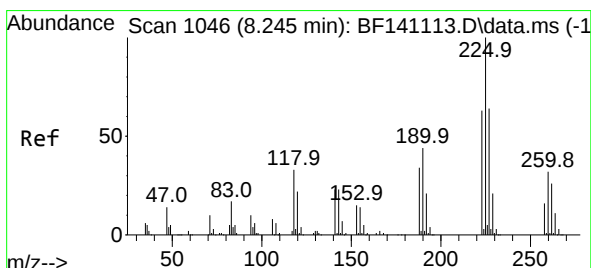
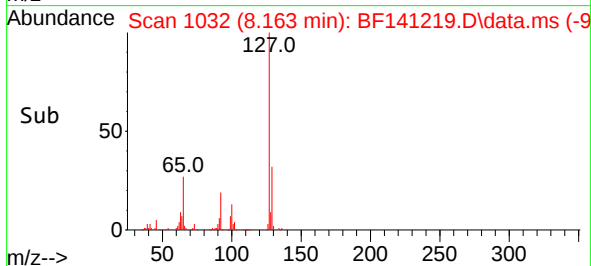
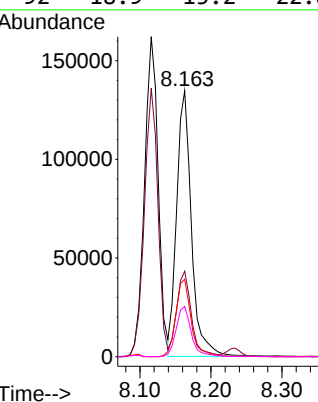
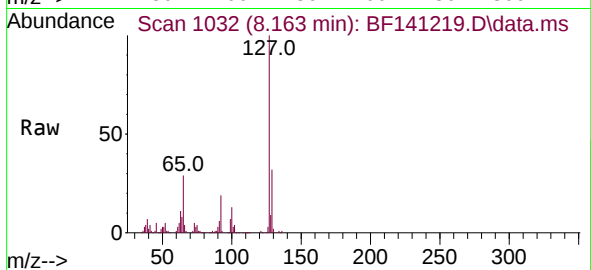
92 18.9 15.2 22.8

Manual Integrations

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Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#34

Hexachlorobutadiene

Concen: 48.496 ng

RT: 8.233 min Scan# 1044

Delta R.T. -0.012 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

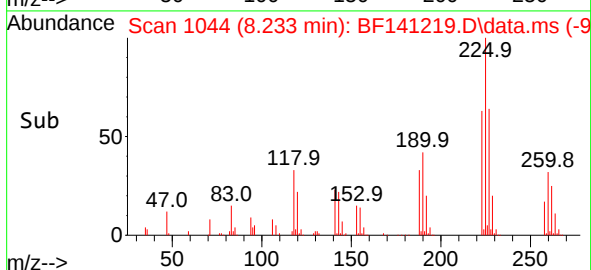
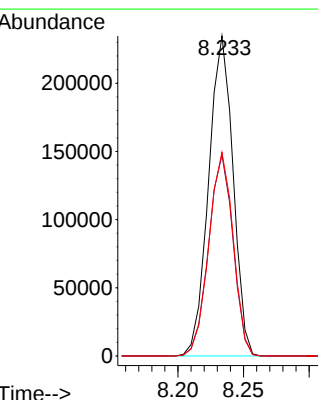
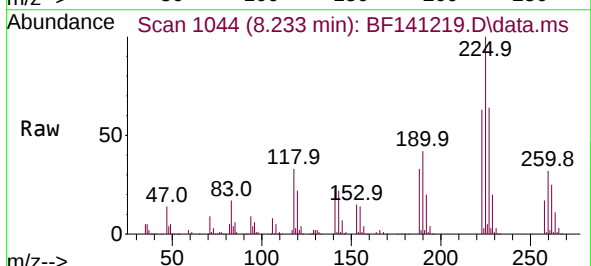
Tgt Ion:225 Resp: 303323

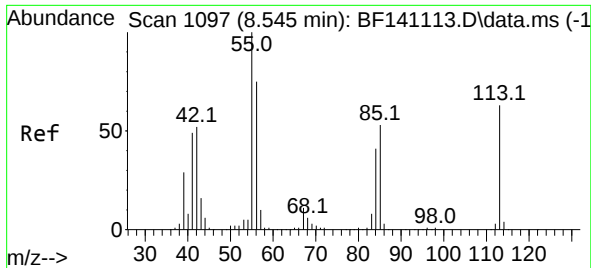
Ion Ratio Lower Upper

225 100

223 62.7 50.6 76.0

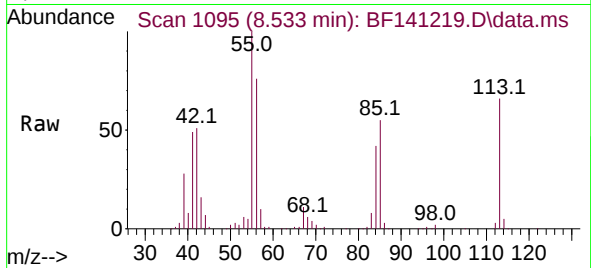
227 63.7 51.6 77.4





#35
Caprolactam
Concen: 50.799 ng m
RT: 8.533 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

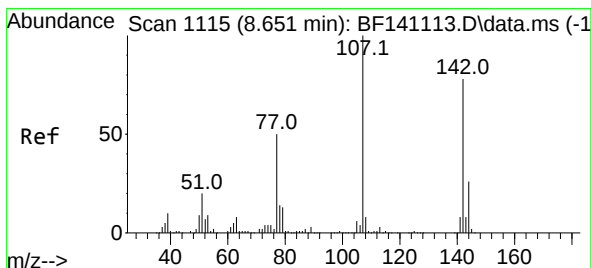
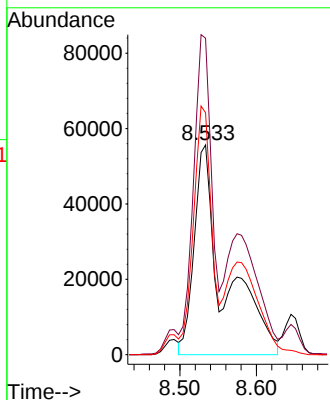
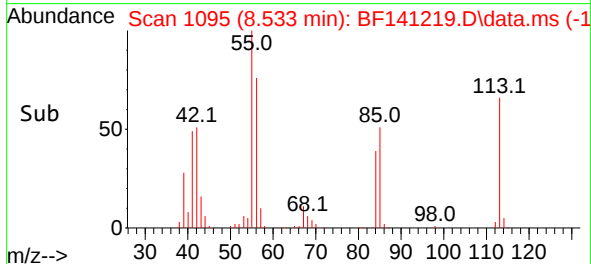
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:113 Resp: 15103
Ion Ratio Lower Upper
113 100
55 150.9 139.7 179.7
56 115.3 99.4 139.4

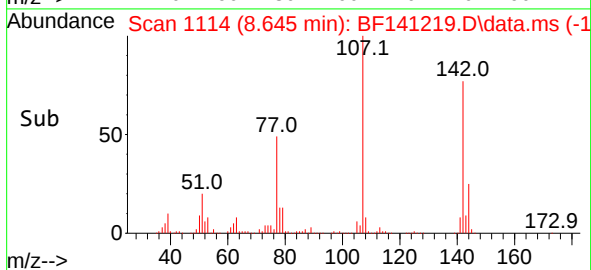
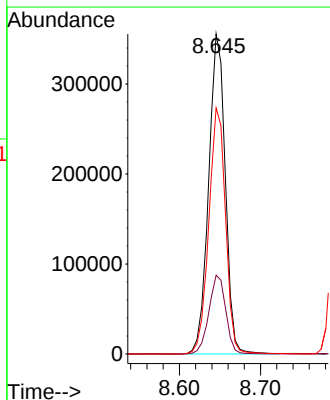
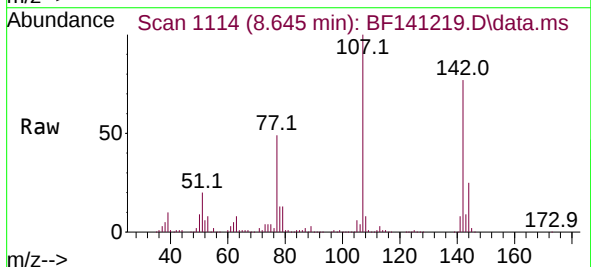
Manual Integrations
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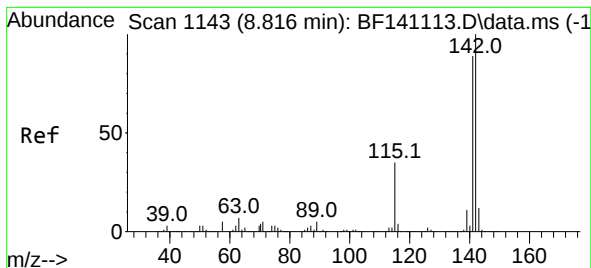
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#36
4-Chloro-3-methylphenol
Concen: 50.940 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

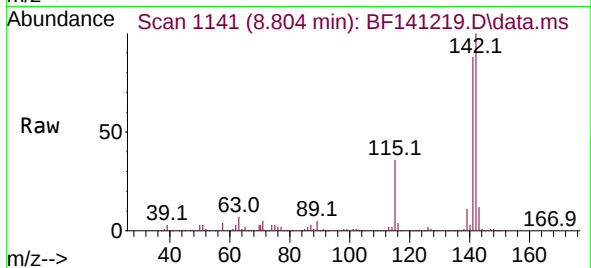
Tgt Ion:107 Resp: 505923
Ion Ratio Lower Upper
107 100
144 24.6 20.4 30.6
142 76.9 62.2 93.2





#37
2-Methylnaphthalene
Concen: 49.647 ng
RT: 8.804 min Scan# 1143
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

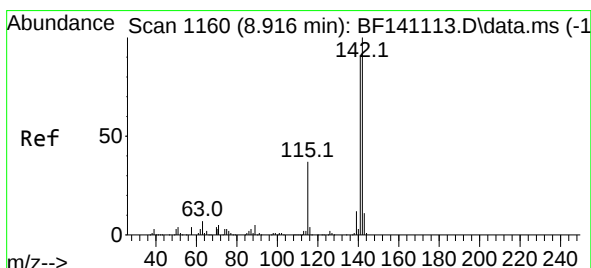
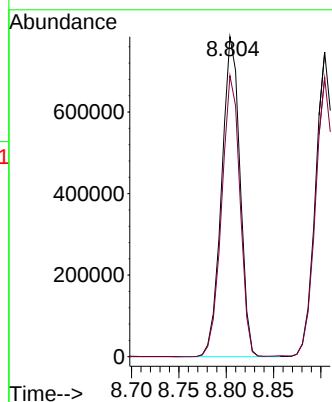
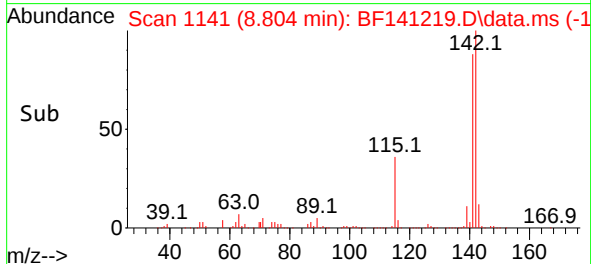
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:142 Resp: 105747
Ion Ratio Lower Upper
142 100
141 87.8 71.3 106.9

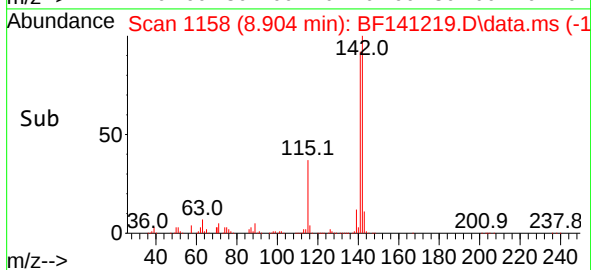
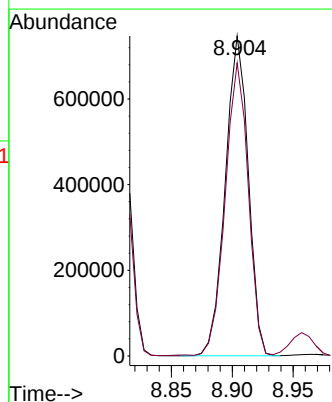
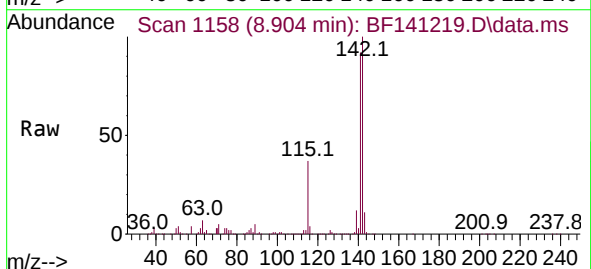
Manual Integrations
APPROVED

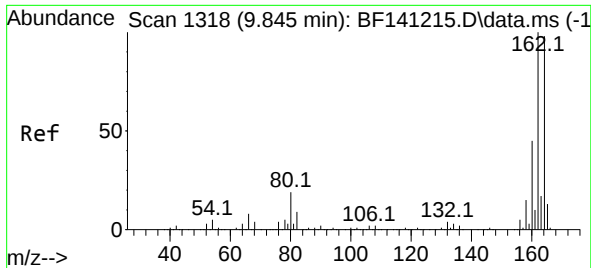
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#38
1-Methylnaphthalene
Concen: 46.727 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:142 Resp: 980871
Ion Ratio Lower Upper
142 100
141 91.6 73.1 109.7





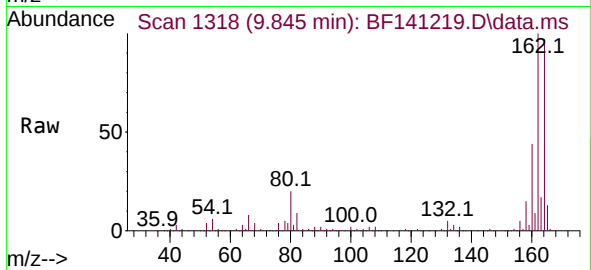
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1169
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

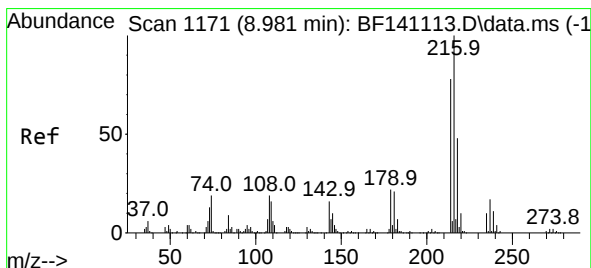
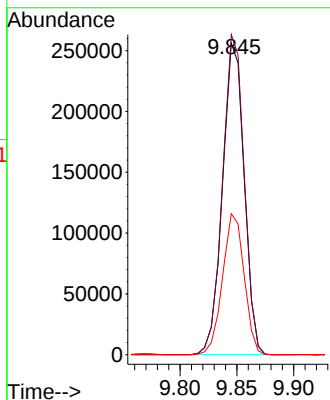
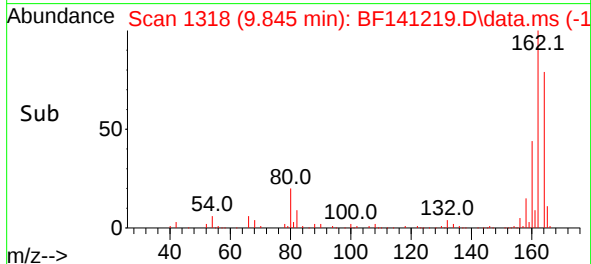


Tgt Ion:164 Resp: 339384
Ion Ratio Lower Upper
164 100
162 102.7 81.0 121.4
160 45.2 36.1 54.1

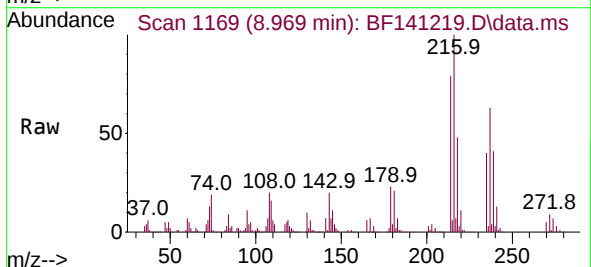
Manual Integrations

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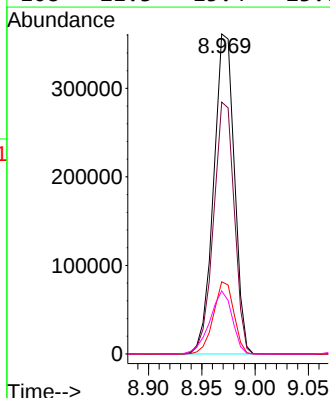
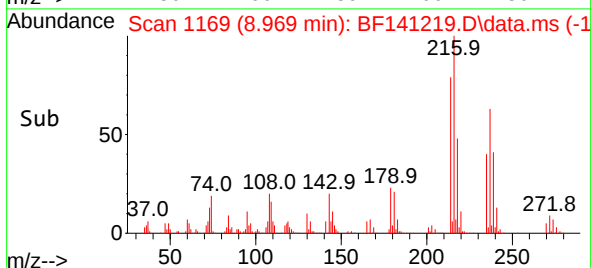
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.151 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



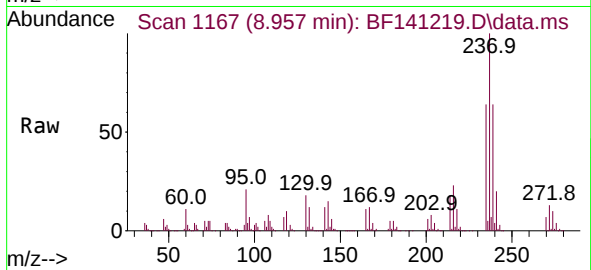
Tgt Ion:216 Resp: 488519
Ion Ratio Lower Upper
216 100
214 78.4 62.6 94.0
179 22.2 17.7 26.5
108 21.3 15.4 23.0





#41
Hexachlorocyclopentadiene
Concen: 189.090 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

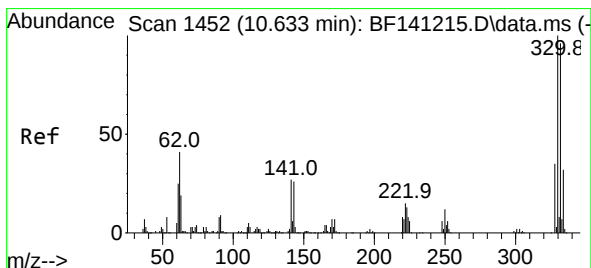
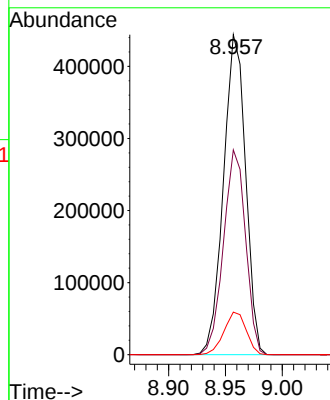
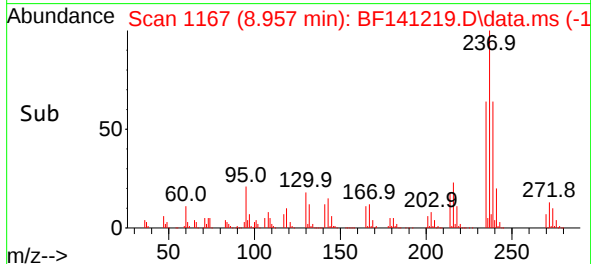
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



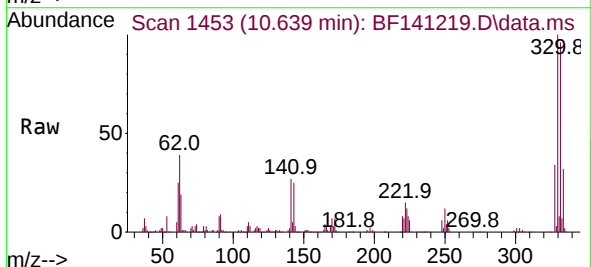
Tgt Ion: 237 Resp: 60261
Ion Ratio Lower Upper
237 100
235 64.0 43.0 83.0
272 13.3 0.0 33.0

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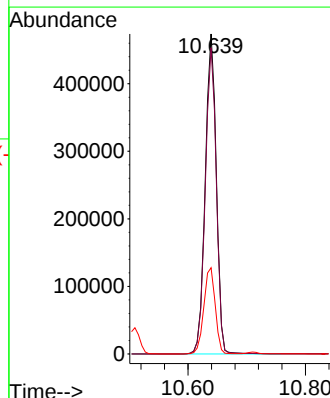
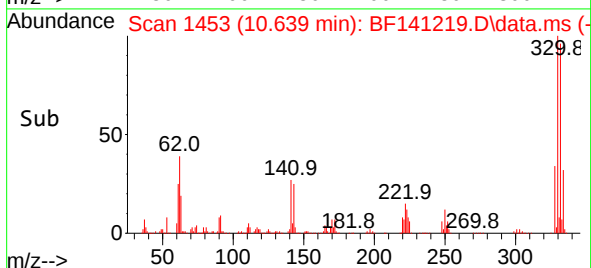
Reviewed By : Yogesh Patel 01/21/2025
Supervised By : mohammad ahmed 01/21/2025

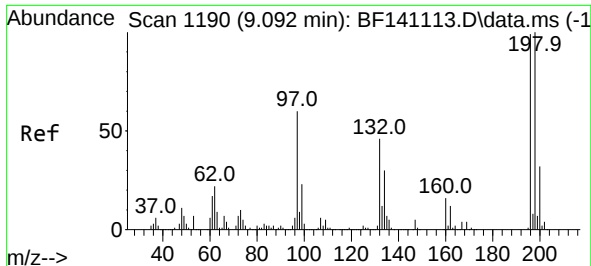


#42
2,4,6-Tribromophenol
Concen: 159.748 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



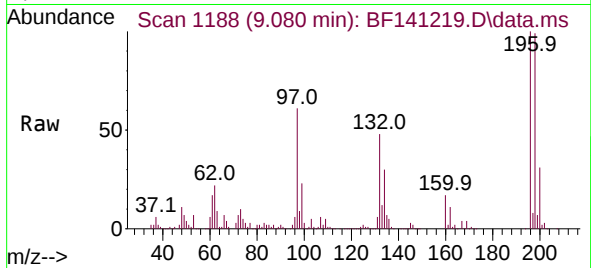
Tgt Ion: 330 Resp: 617755
Ion Ratio Lower Upper
330 100
332 95.6 76.9 115.3
141 27.9 25.2 37.8





#43
2,4,6-Trichlorophenol
Concen: 52.519 ng
RT: 9.080 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

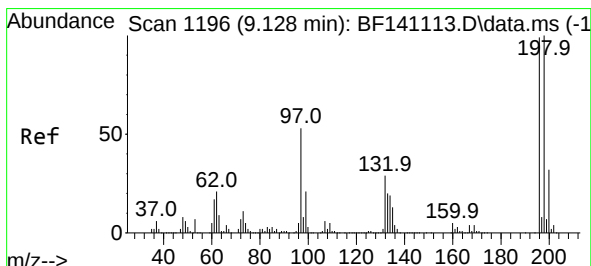
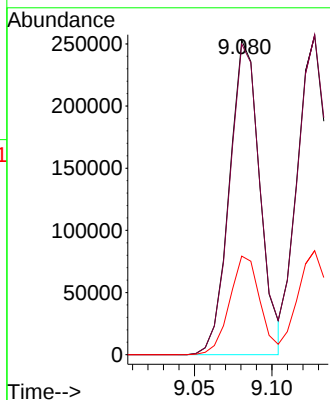
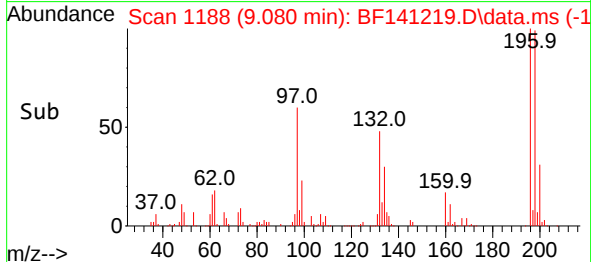
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



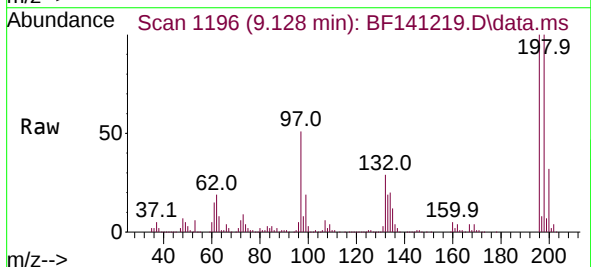
Tgt Ion:196 Resp: 345034
Ion Ratio Lower Upper
196 100
198 98.8 80.8 121.2
200 31.3 25.7 38.5

Manual Integrations
APPROVED

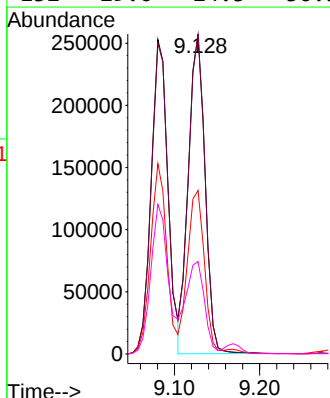
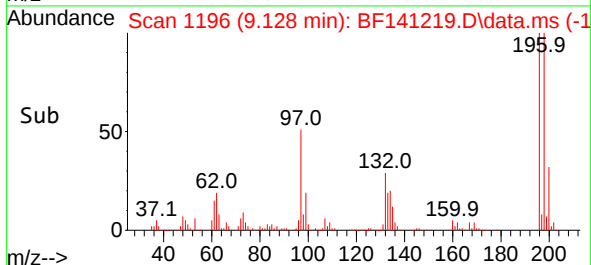
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

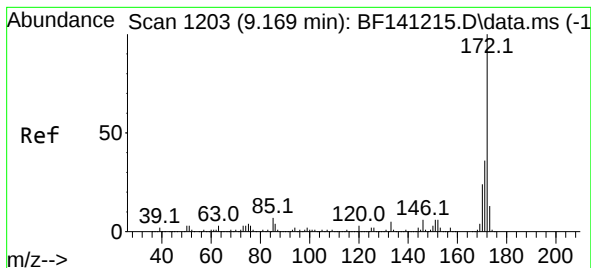


#44
2,4,5-Trichlorophenol
Concen: 50.353 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



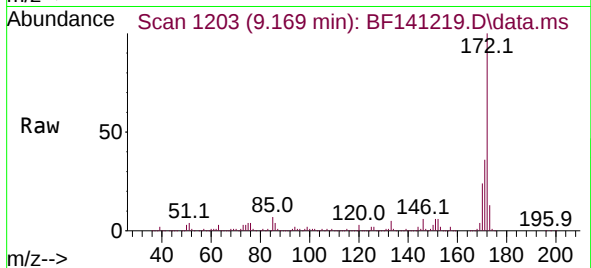
Tgt Ion:196 Resp: 349371
Ion Ratio Lower Upper
196 100
198 100.3 80.6 120.8
97 51.2 43.1 64.7
132 29.0 24.3 36.5





#45
2-Fluorobiphenyl
Concen: 96.189 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

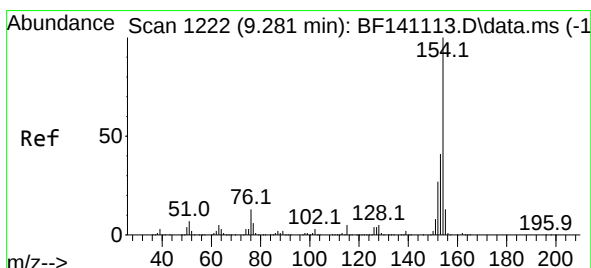
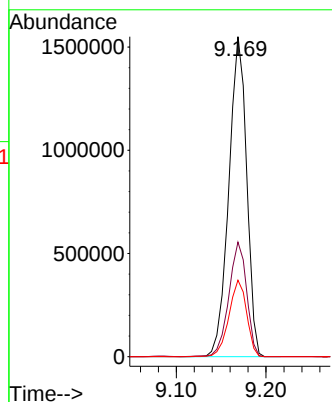
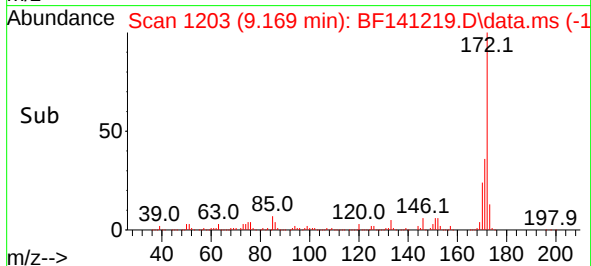
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



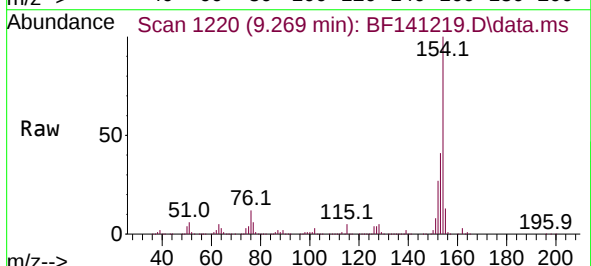
Tgt Ion:172 Resp: 213778
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.9 19.0 28.6

Manual Integrations
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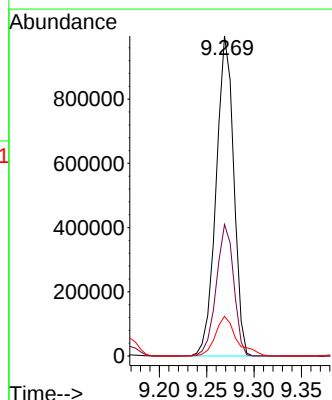
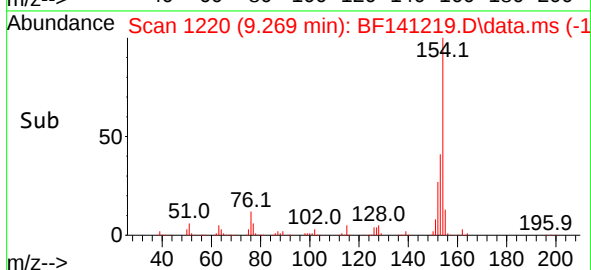
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

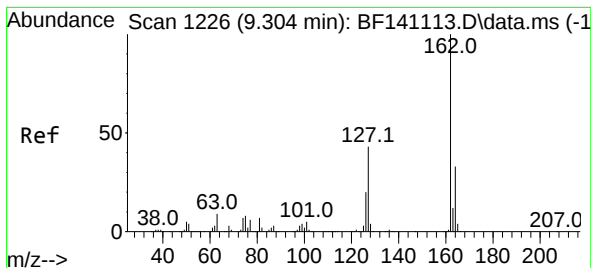


#46
1,1'-Biphenyl
Concen: 48.924 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



Tgt Ion:154 Resp: 1289480
Ion Ratio Lower Upper
154 100
153 41.1 20.7 60.7
76 12.4 0.0 33.1





#47
2-Chloronaphthalene
Concen: 47.611 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

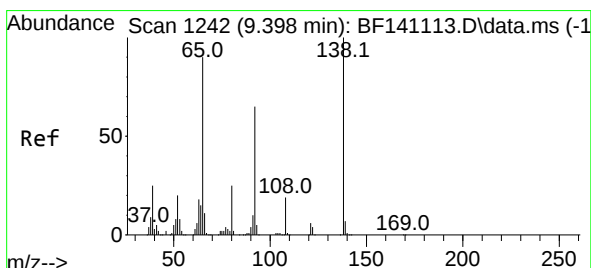
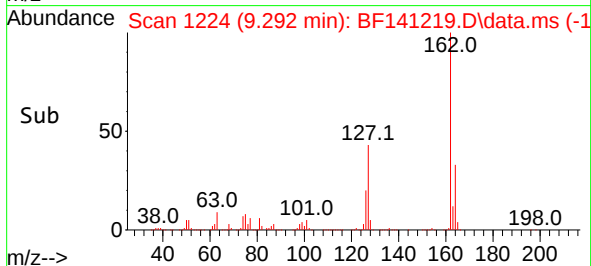
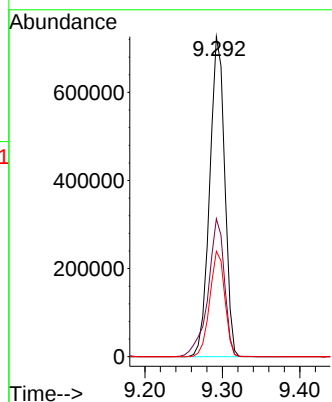
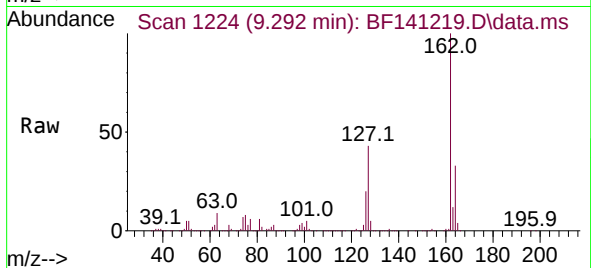
PB166117BSD

Tgt Ion:162 Resp: 977375
Ion Ratio Lower Upper
162 100
127 43.1 34.6 51.8
164 32.9 26.5 39.7

Manual Integrations

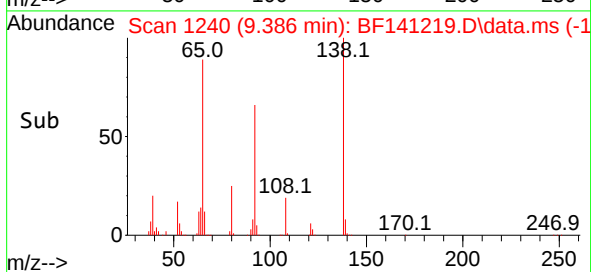
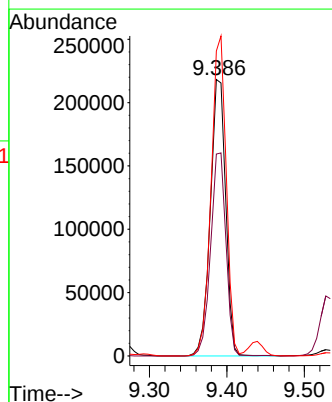
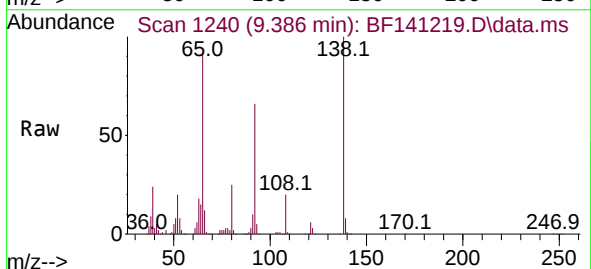
APPROVED

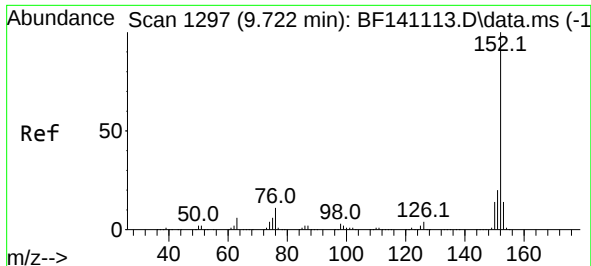
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#48
2-Nitroaniline
Concen: 49.494 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 65 Resp: 301187
Ion Ratio Lower Upper
65 100
92 73.0 58.3 87.5
138 110.3 89.1 133.7





#49

Acenaphthylene

Concen: 52.144 ng

RT: 9.710 min Scan# 1295

Delta R.T. -0.012 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

Tgt Ion:152 Resp: 1529330

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

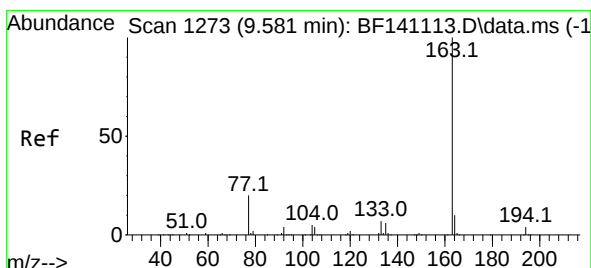
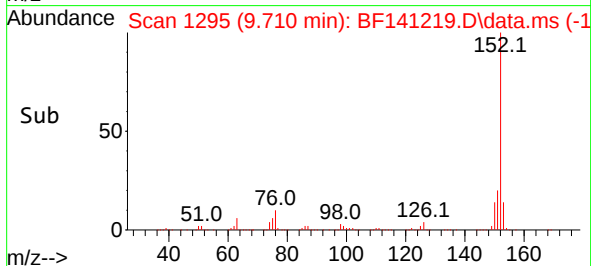
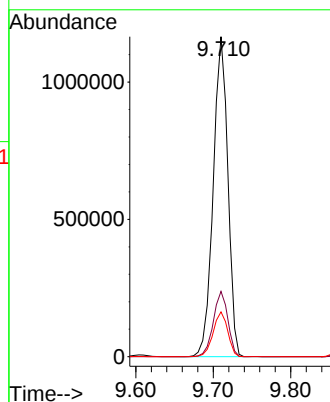
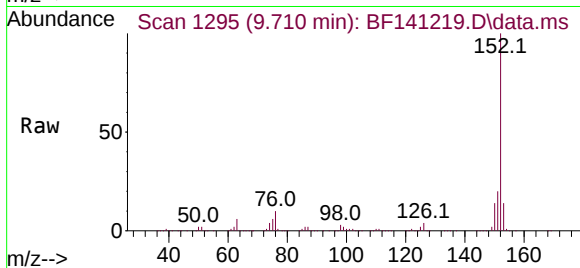
153 14.0 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#50

Dimethylphthalate

Concen: 50.349 ng

RT: 9.575 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

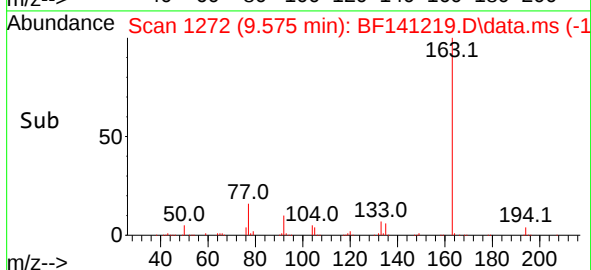
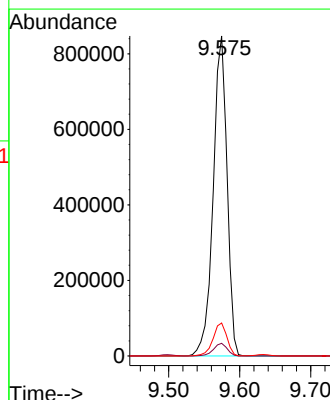
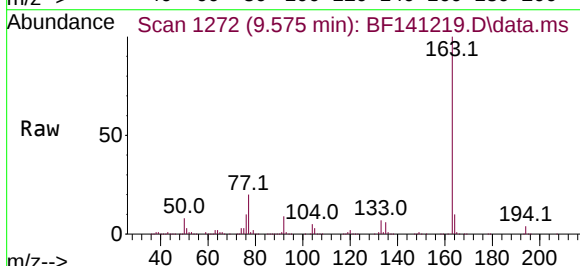
Tgt Ion:163 Resp: 1147172

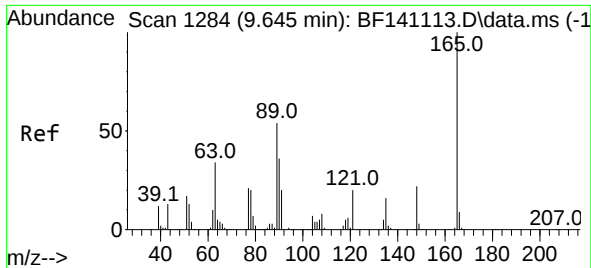
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

164 10.3 8.2 12.4





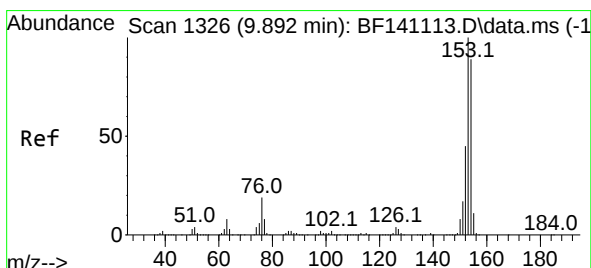
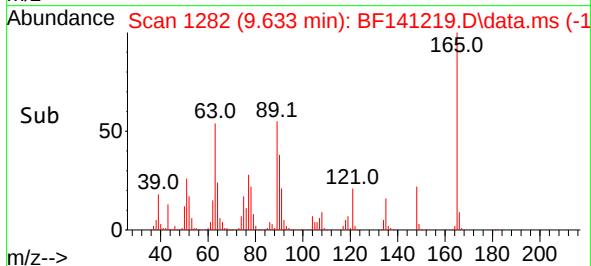
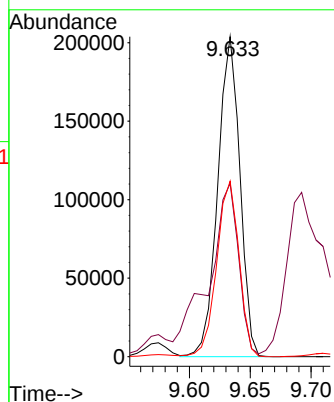
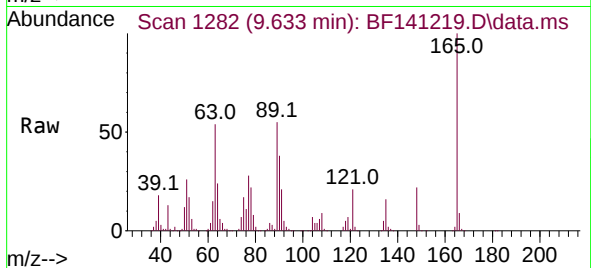
#51
2,6-Dinitrotoluene
Concen: 48.745 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:165 Resp: 25826
Ion Ratio Lower Upper
165 100
63 54.1 42.3 63.5
89 54.8 43.1 64.7

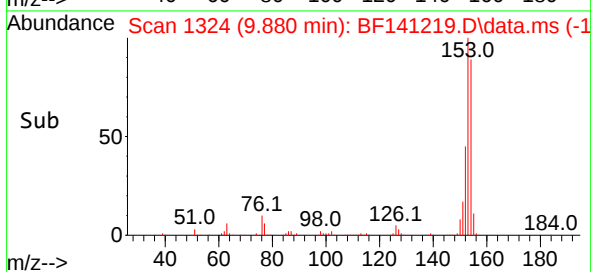
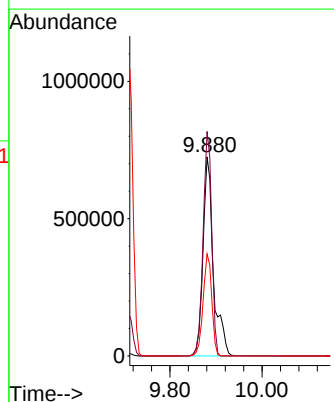
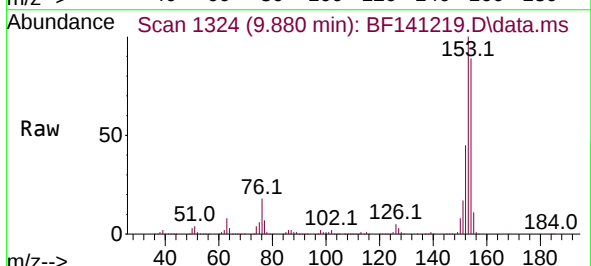
Manual Integrations
APPROVED

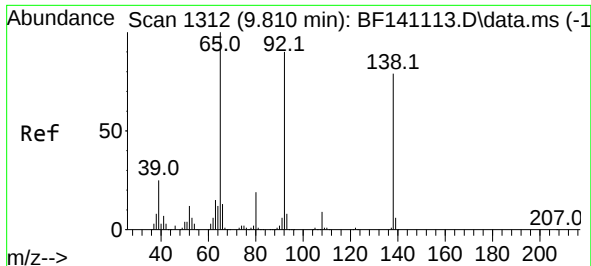
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#52
Acenaphthene
Concen: 55.939 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:154 Resp: 1146231
Ion Ratio Lower Upper
154 100
153 112.8 89.8 134.6
152 51.3 40.8 61.2





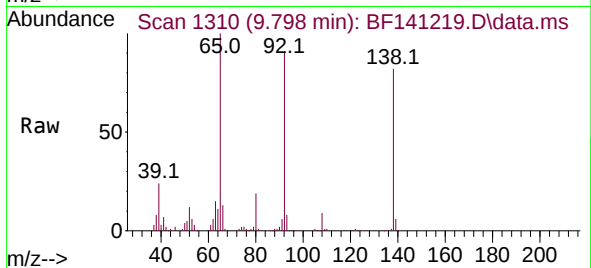
#53
3-Nitroaniline
Concen: 29.423 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

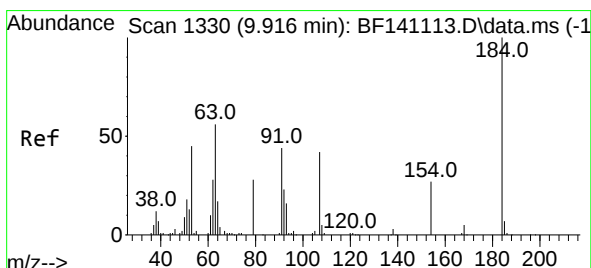
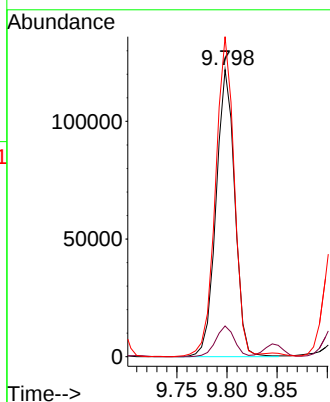
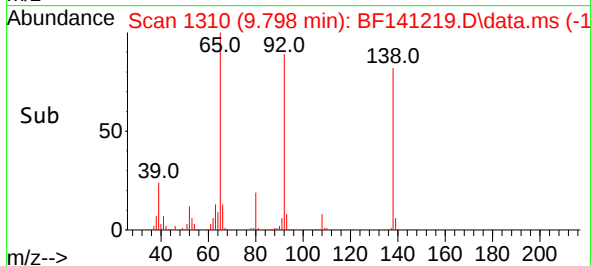


Tgt Ion:138 Resp: 158420
Ion Ratio Lower Upper
138 100
108 10.7 8.8 13.2
92 111.5 91.3 136.9

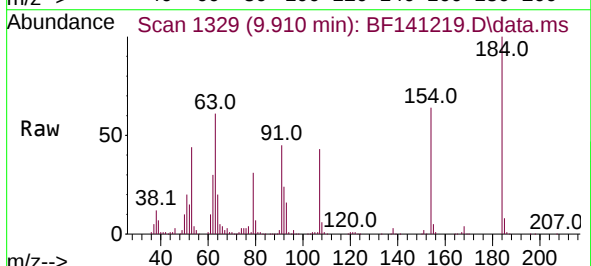
Manual Integrations

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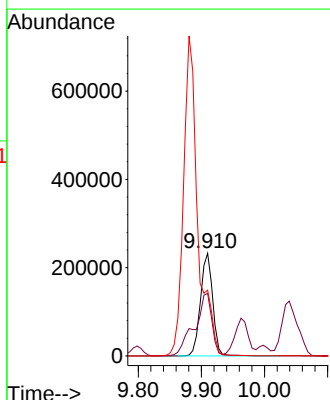
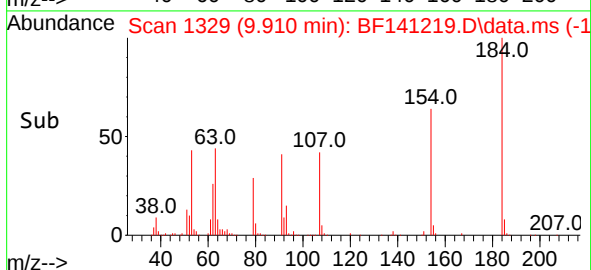
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

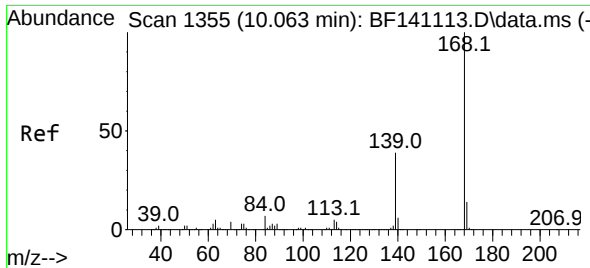


#54
2,4-Dinitrophenol
Concen: 124.051 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



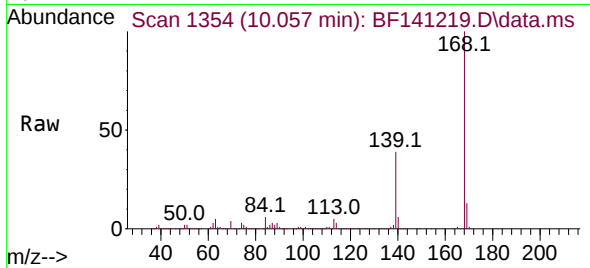
Tgt Ion:184 Resp: 312413
Ion Ratio Lower Upper
184 100
63 60.9 48.7 73.1
154 64.0 57.1 85.7





#55
Dibenzenofuran
Concen: 49.648 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

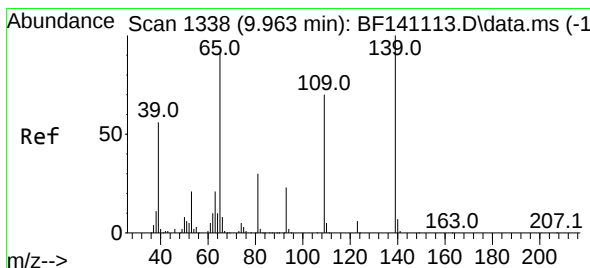
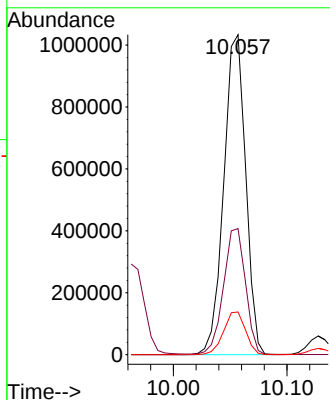
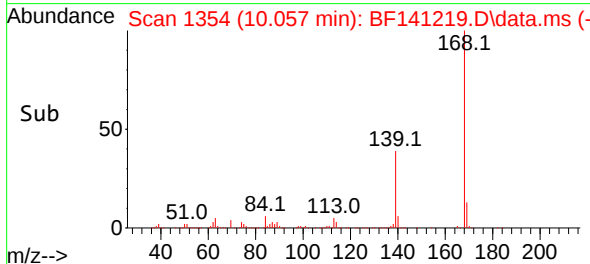
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:168 Resp: 138377
Ion Ratio Lower Upper
168 100
139 39.4 31.4 47.0
169 13.4 10.9 16.3

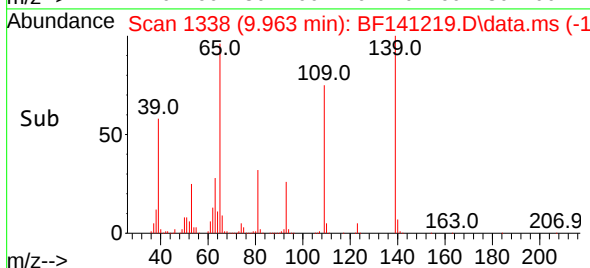
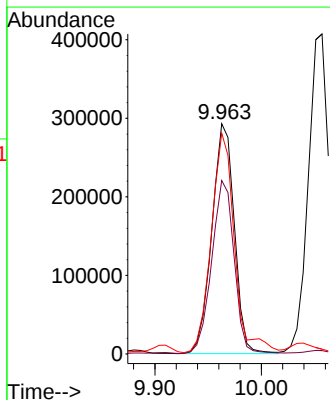
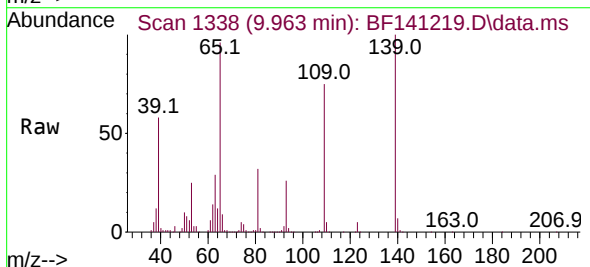
Manual Integrations
APPROVED

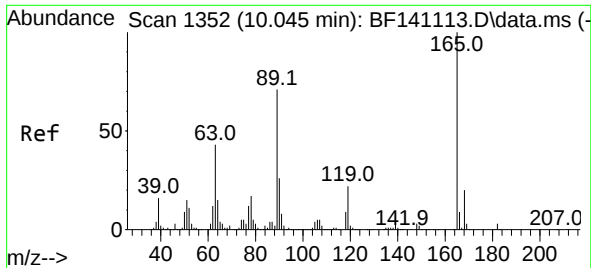
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#56
4-Nitrophenol
Concen: 101.709 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

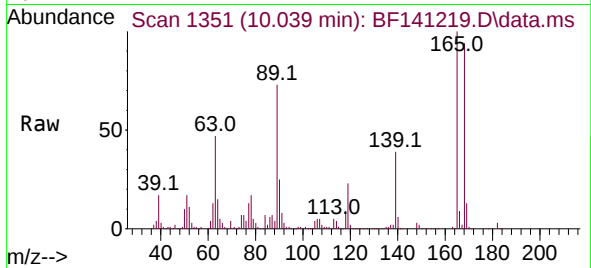
Tgt Ion:139 Resp: 428885
Ion Ratio Lower Upper
139 100
109 75.3 50.2 90.2
65 95.9 72.1 112.1





#57
2,4-Dinitrotoluene
Concen: 51.659 ng
RT: 10.039 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

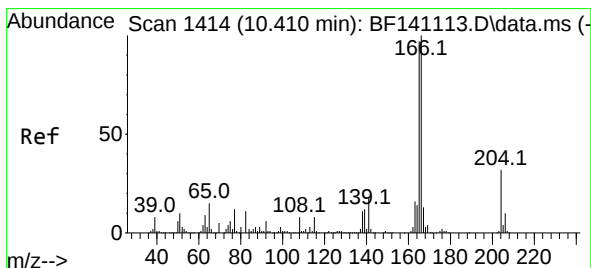
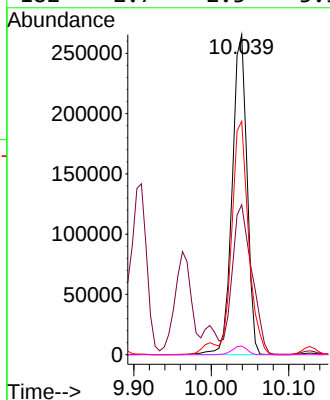
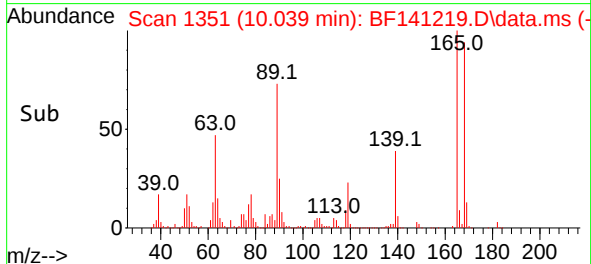
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:165 Resp: 352735
Ion Ratio Lower Upper
165 100
63 46.9 35.0 52.4
89 73.0 56.7 85.1
182 2.7 2.3 3.5

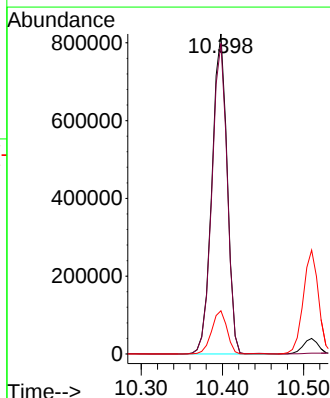
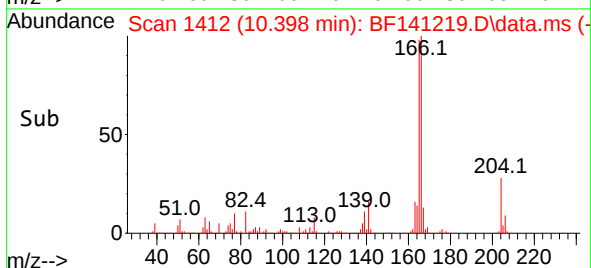
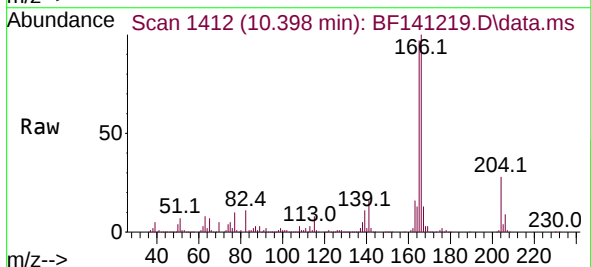
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#58
Fluorene
Concen: 49.335 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

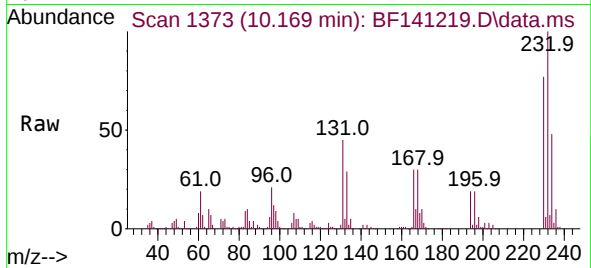
Tgt Ion:166 Resp: 1068273
Ion Ratio Lower Upper
166 100
165 97.1 77.8 116.8
167 13.5 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.412 ng
RT: 10.169 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

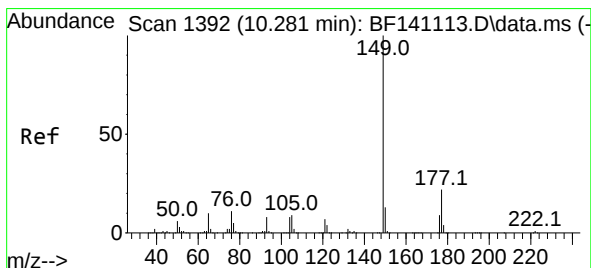
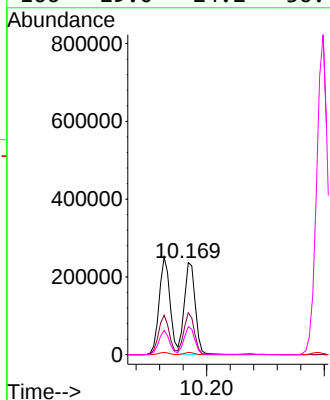
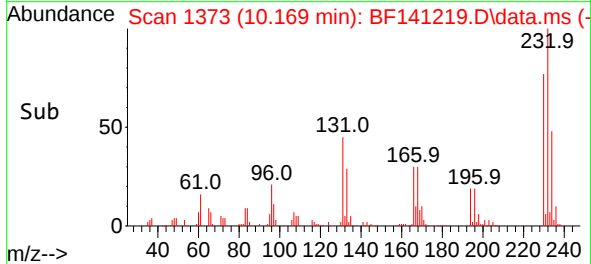
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



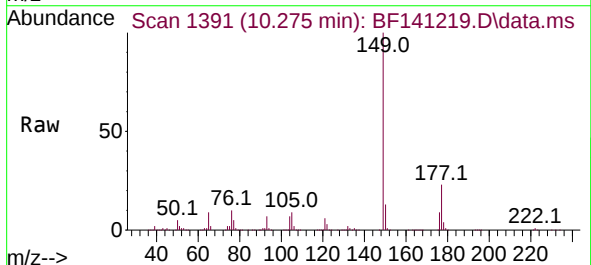
Tgt Ion:232 Resp: 30804
Ion Ratio Lower Upper
232 100
131 43.9 36.2 54.4
130 2.3 2.0 3.0
166 29.0 24.2 36.4

Manual Integrations
APPROVED

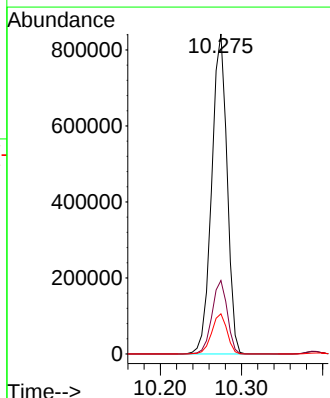
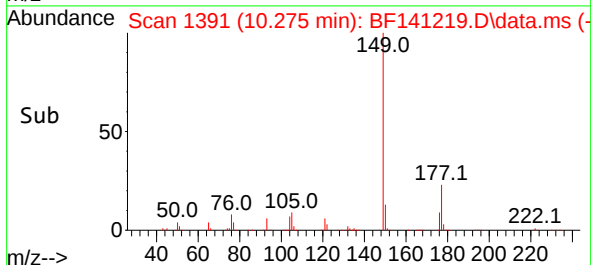
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

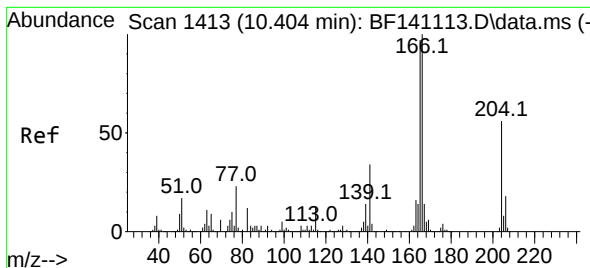


#60
Diethylphthalate
Concen: 49.775 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



Tgt Ion:149 Resp: 1107152
Ion Ratio Lower Upper
149 100
177 23.0 17.9 26.9
150 12.5 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.376 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

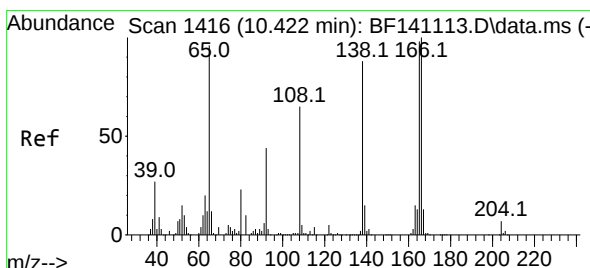
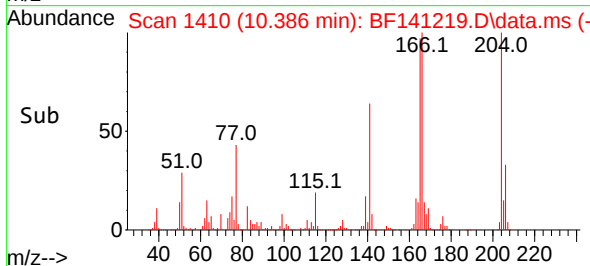
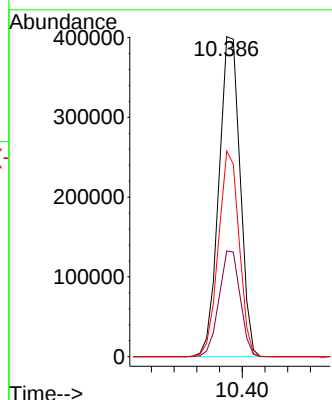
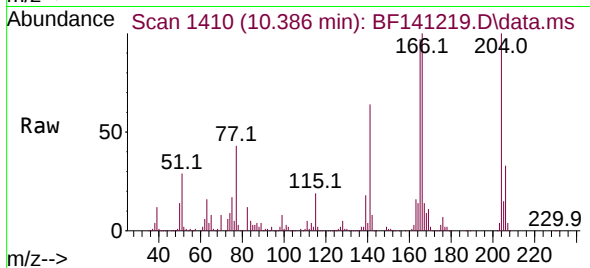
ClientSampleId :

PB166117BSD

Tgt Ion:204 Resp: 521088
Ion Ratio Lower Upper
204 100
206 33.1 25.9 38.9
141 64.2 49.1 73.7

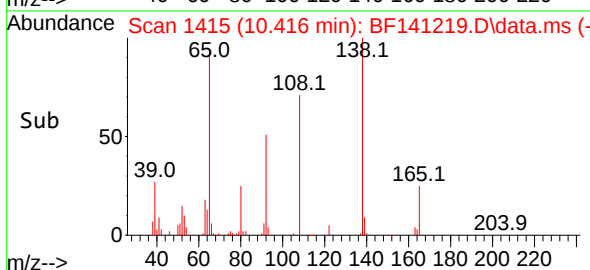
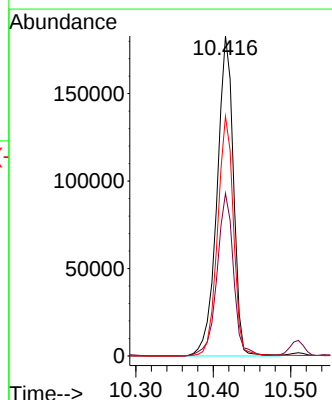
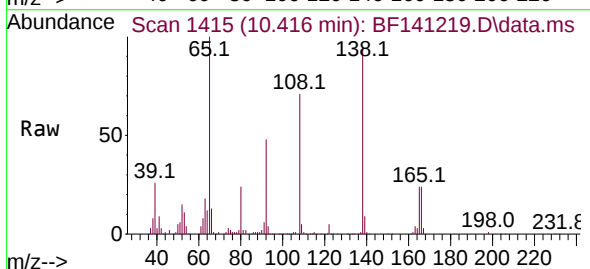
Manual Integrations
APPROVED

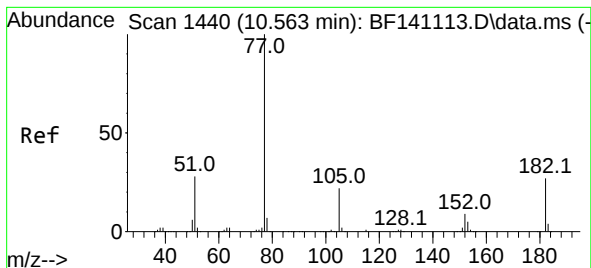
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#62
4-Nitroaniline
Concen: 51.150 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:138 Resp: 269551
Ion Ratio Lower Upper
138 100
92 50.8 29.4 69.4
108 74.9 53.7 93.7





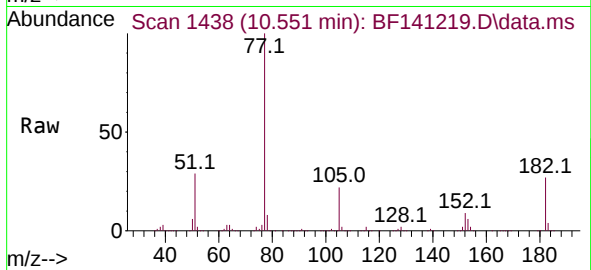
#63
Azobenzene
Concen: 48.824 ng
RT: 10.551 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

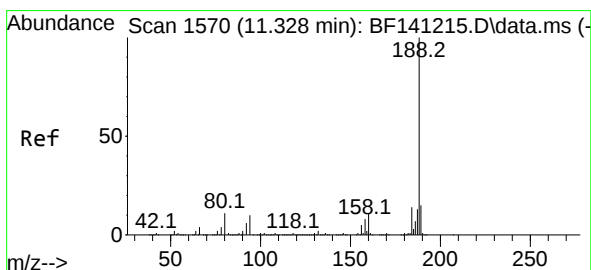
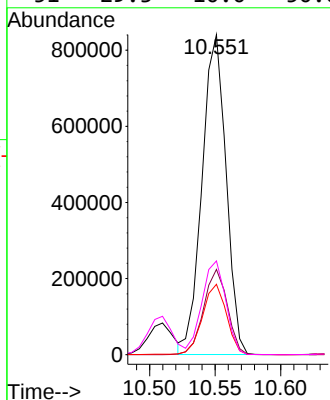
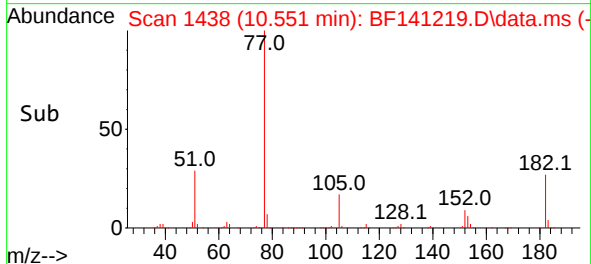


Tgt Ion: 77 Resp: 107157
Ion Ratio Lower Upper
77 100
182 26.7 6.1 46.1
105 22.0 2.1 42.1
51 29.3 10.0 50.0

Manual Integrations

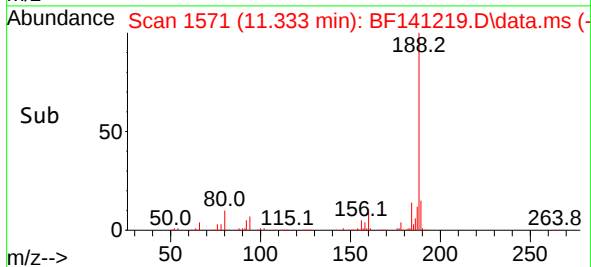
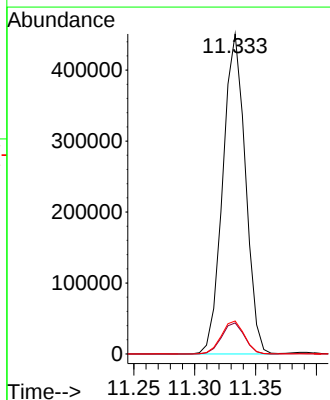
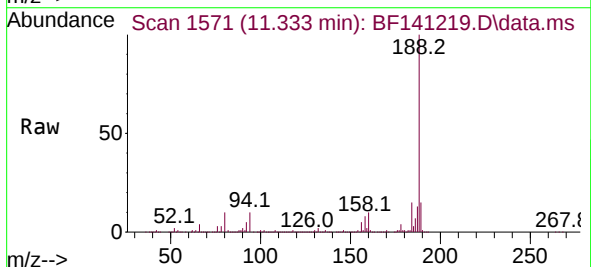
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:188 Resp: 582564
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.3 9.0 13.4





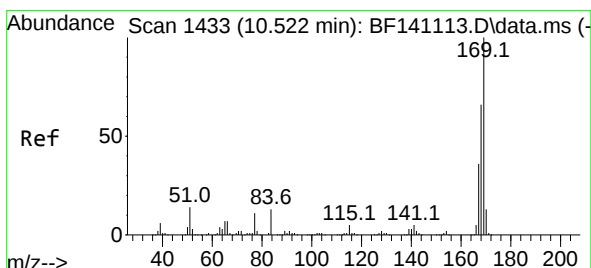
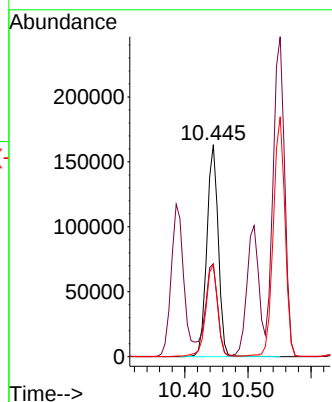
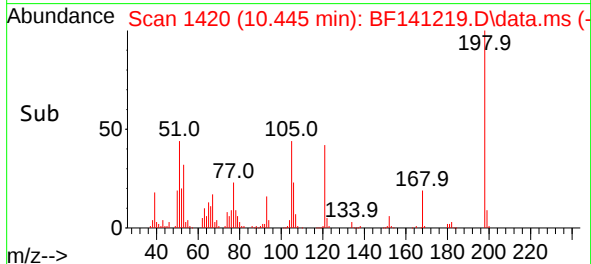
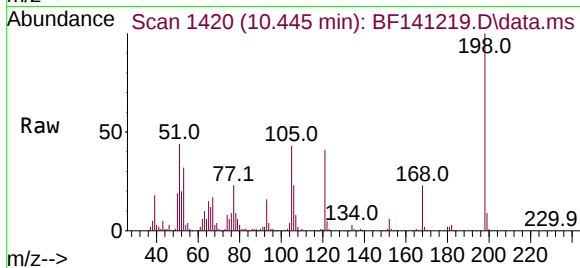
#65
4,6-Dinitro-2-methylphenol
Concen: 60.806 ng
RT: 10.445 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:198 Resp: 205269
Ion Ratio Lower Upper
198 100
51 43.9 27.1 67.1
105 43.4 24.2 64.2

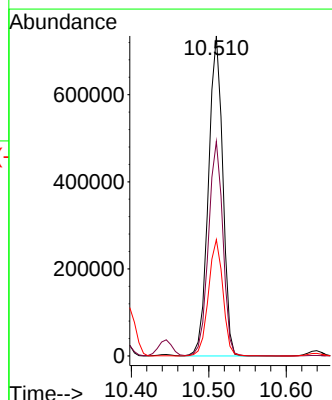
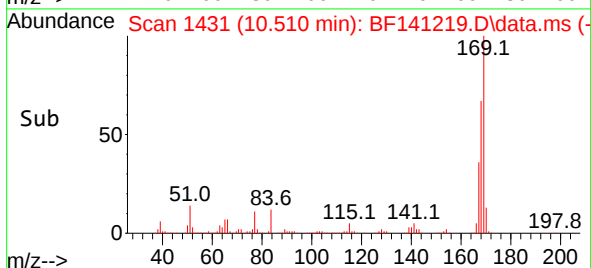
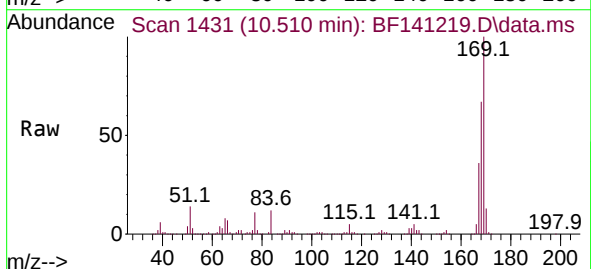
Manual Integrations
APPROVED

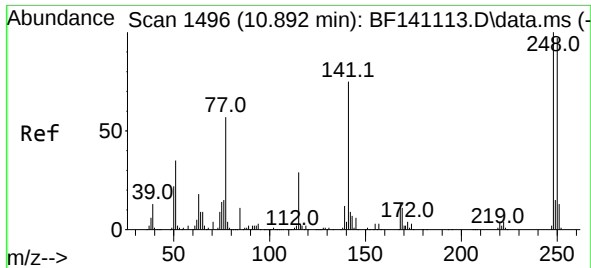
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#66
n-Nitrosodiphenylamine
Concen: 50.246 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

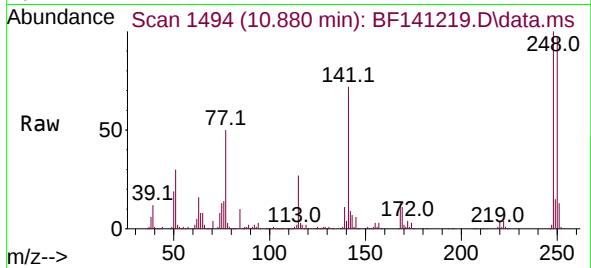
Tgt Ion:169 Resp: 944135
Ion Ratio Lower Upper
169 100
168 67.1 52.5 78.7
167 36.4 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 51.178 ng
RT: 10.880 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

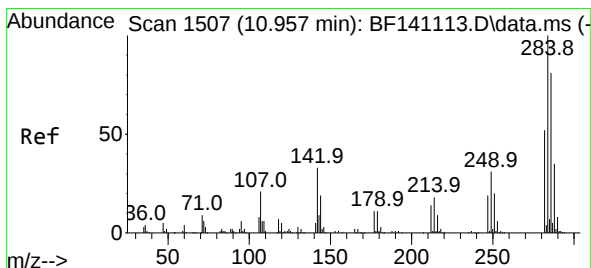
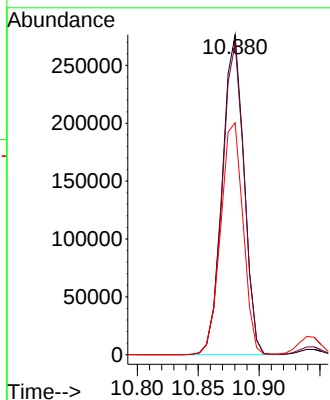
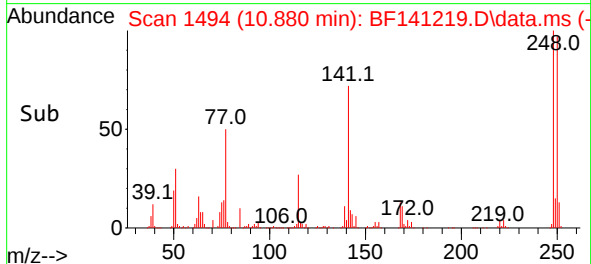
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



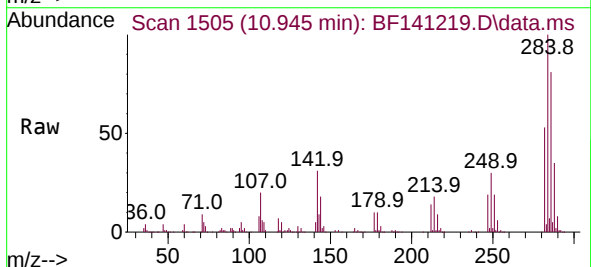
Tgt Ion:248 Resp: 34325
Ion Ratio Lower Upper
248 100
250 97.4 77.9 116.9
141 72.4 59.9 89.9

Manual Integrations
APPROVED

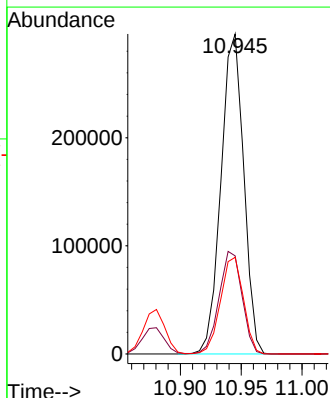
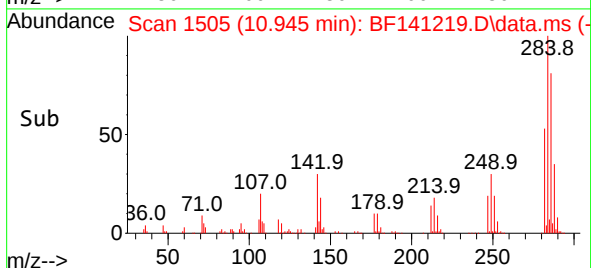
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

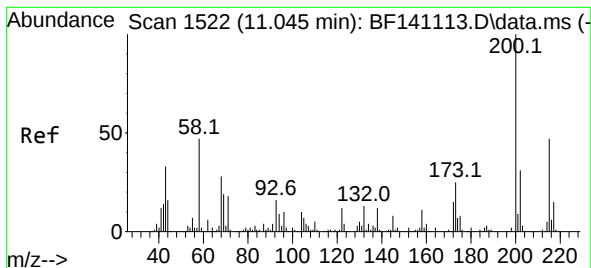


#68
Hexachlorobenzene
Concen: 51.556 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



Tgt Ion:284 Resp: 384926
Ion Ratio Lower Upper
284 100
142 30.6 26.3 39.5
249 30.2 24.9 37.3





#69

Atrazine

Concen: 63.889 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

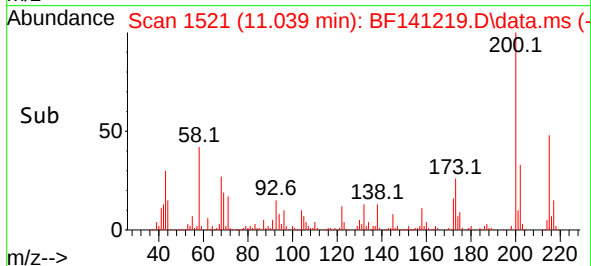
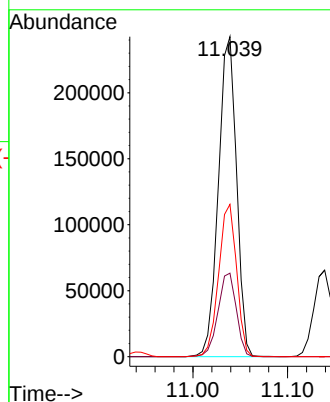
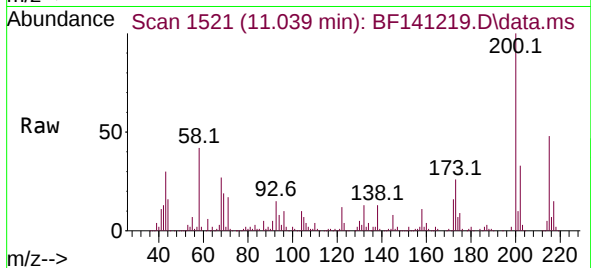
Tgt Ion:200 Resp: 323244
 Ion Ratio Lower Upper
 200 100
 173 26.1 5.4 45.4
 215 47.6 26.6 66.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#70

Pentachlorophenol

Concen: 101.419 ng

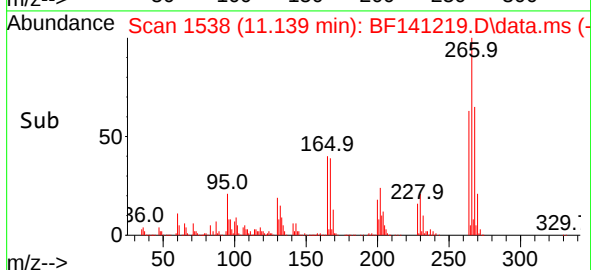
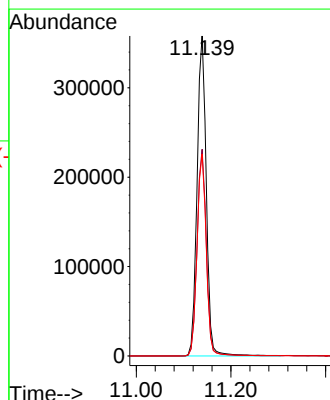
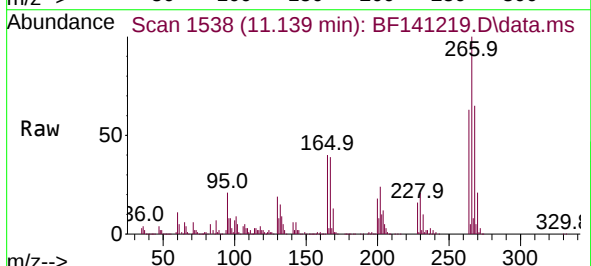
RT: 11.139 min Scan# 1538

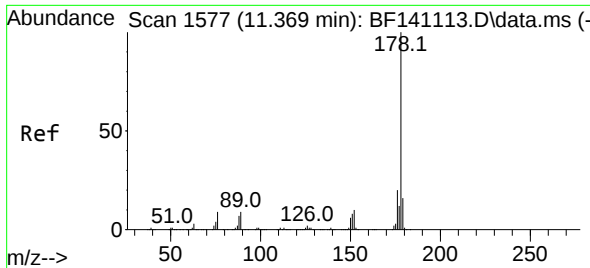
Delta R.T. -0.006 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

Tgt Ion:266 Resp: 484924
 Ion Ratio Lower Upper
 266 100
 268 64.6 50.4 75.6
 264 63.2 50.2 75.2





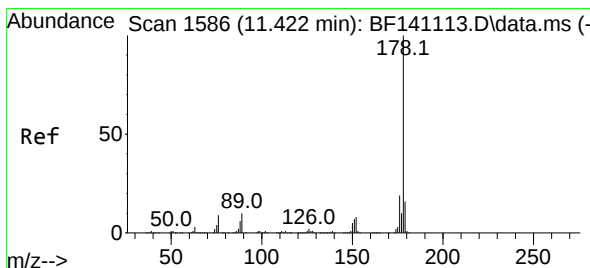
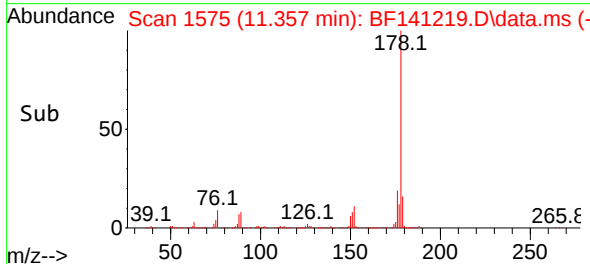
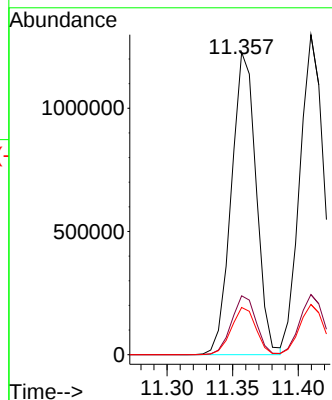
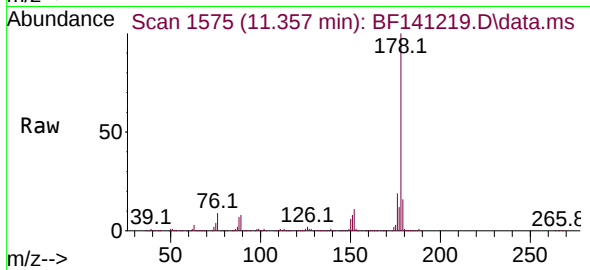
#71
Phenanthrene
Concen: 51.581 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:178 Resp: 161324
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.6 12.6 19.0

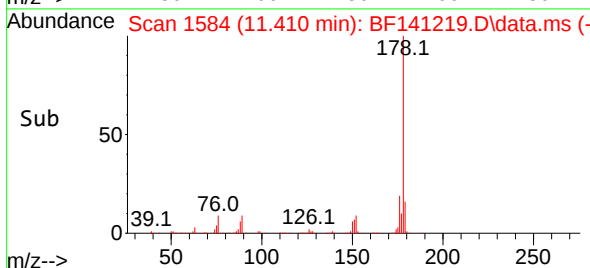
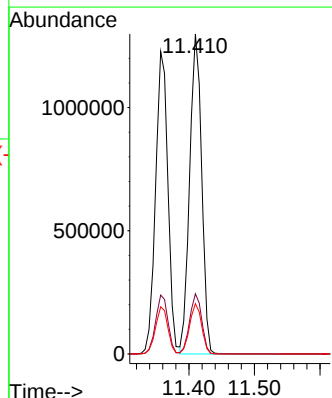
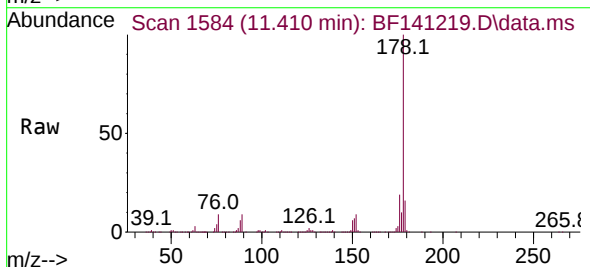
Manual Integrations
APPROVED

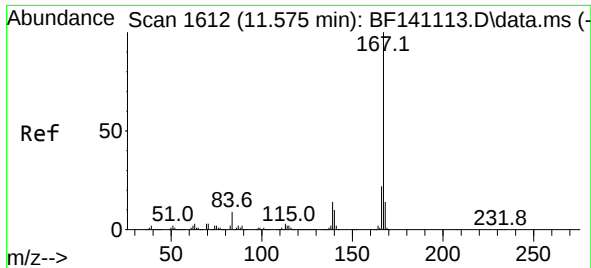
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#72
Anthracene
Concen: 54.062 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

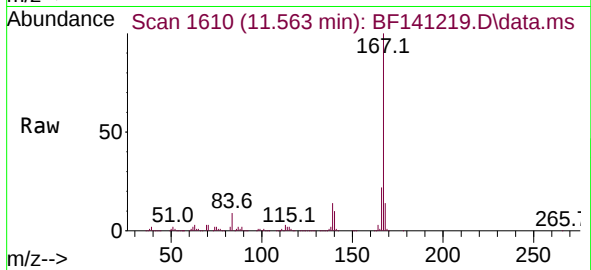
Tgt Ion:178 Resp: 1644084
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.7 12.6 19.0





#73
 Carbazole
 Concen: 51.706 ng
 RT: 11.563 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF141219.D
 Acq: 20 Jan 2025 13:41

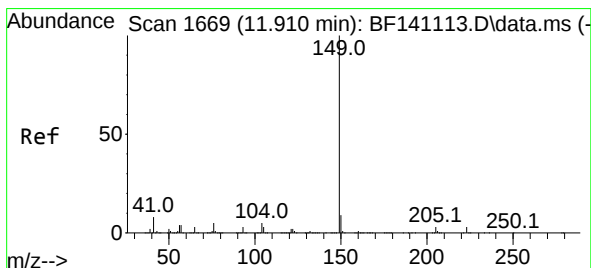
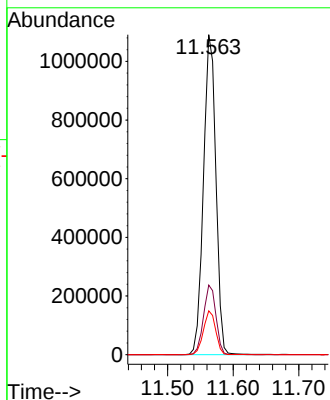
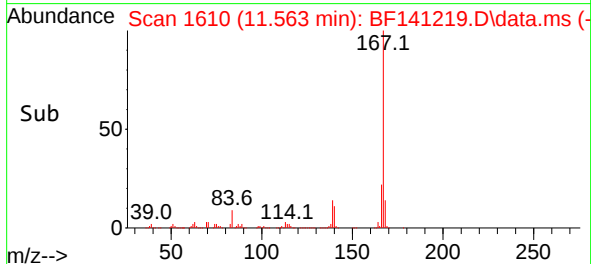
Instrument :
 BNA_F
 ClientSampleId :
 PB166117BSD



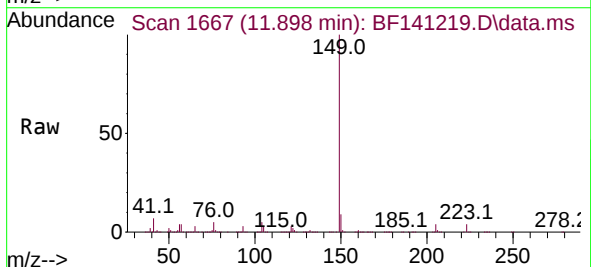
Tgt Ion:167 Resp: 1441828
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 13.7 10.9 16.3

Manual Integrations
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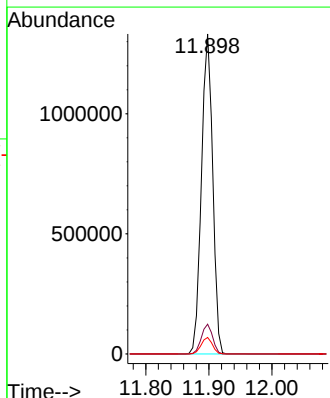
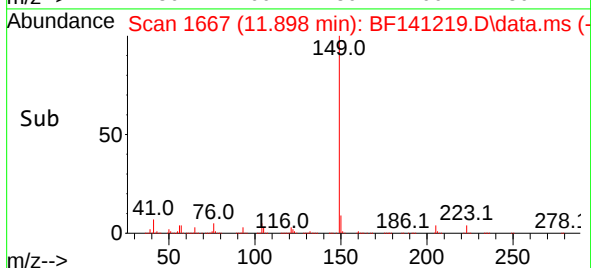
Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

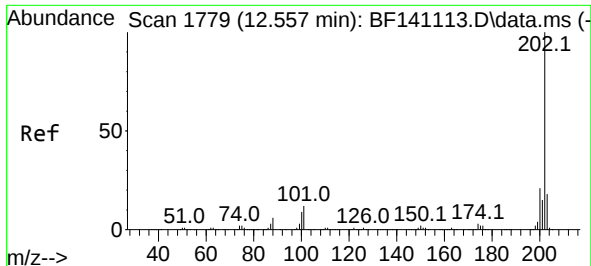


#74
 Di-n-butylphthalate
 Concen: 51.535 ng
 RT: 11.898 min Scan# 1667
 Delta R.T. -0.012 min
 Lab File: BF141219.D
 Acq: 20 Jan 2025 13:41



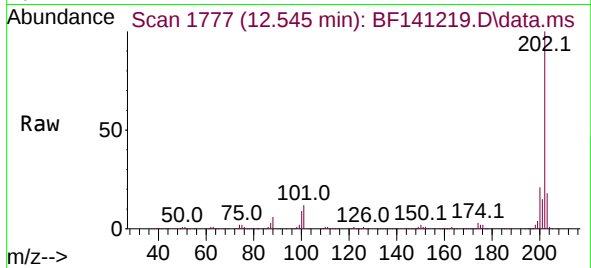
Tgt Ion:149 Resp: 1644597
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 53.341 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

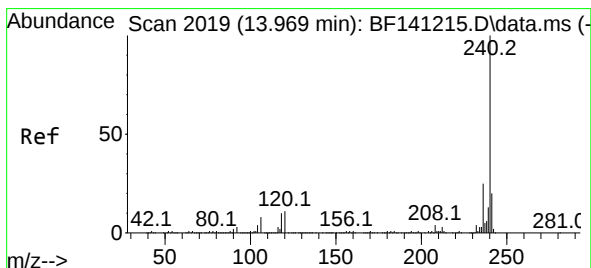
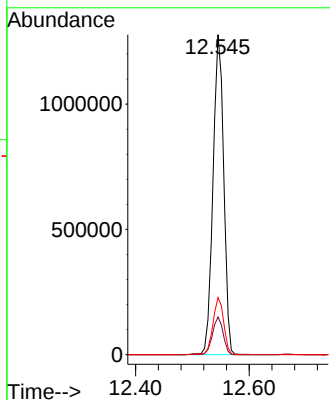
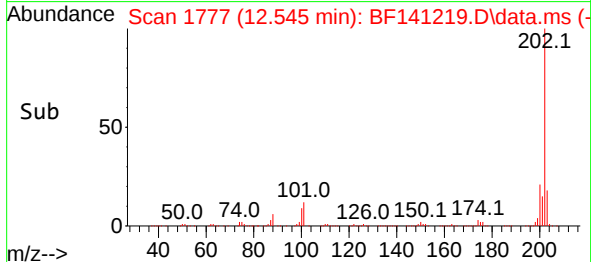
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



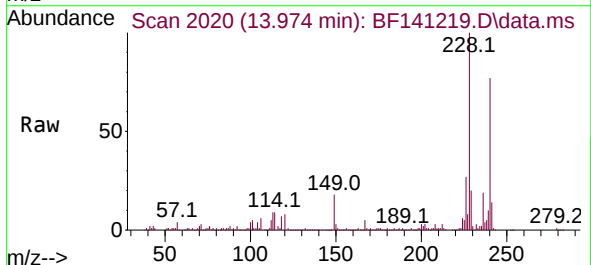
Tgt Ion:202 Resp: 1664799
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.3
203 17.8 0.0 37.7

Manual Integrations
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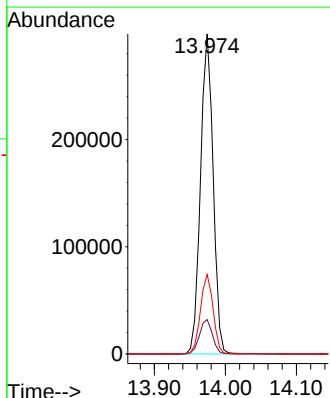
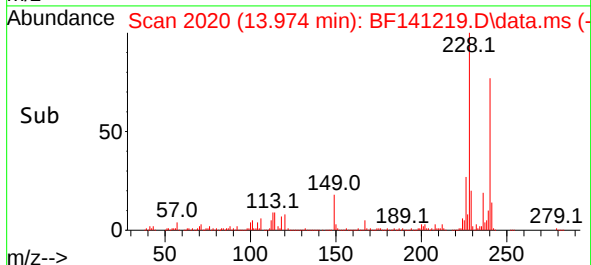
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

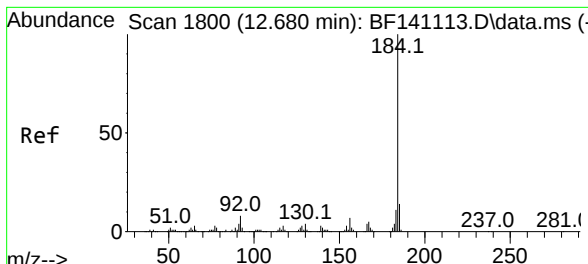


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



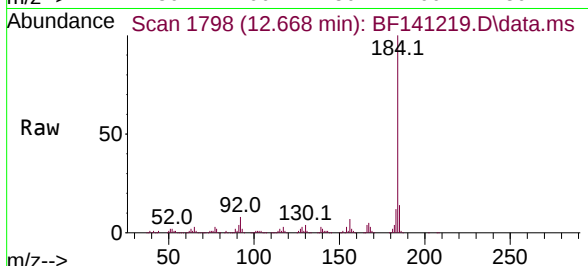
Tgt Ion:240 Resp: 369711
Ion Ratio Lower Upper
240 100
120 10.7 9.1 13.7
236 24.9 19.8 29.6





#77
Benzidine
Concen: 60.302 ng
RT: 12.668 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

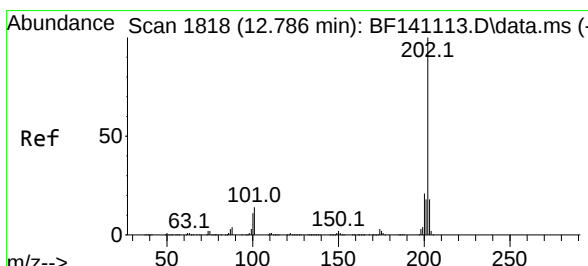
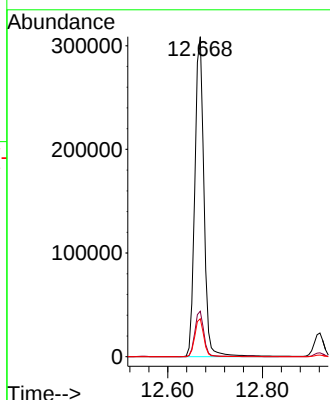
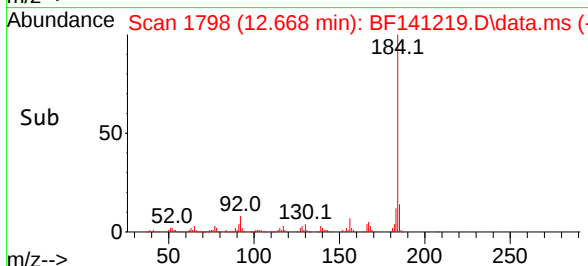
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



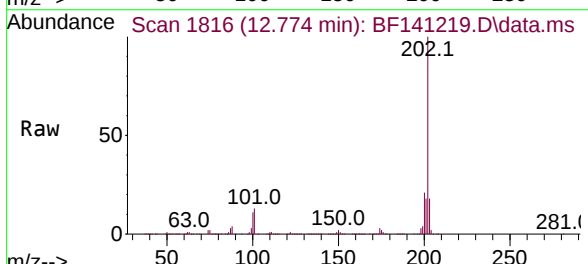
Tgt Ion:184 Resp: 41343
Ion Ratio Lower Upper
184 100
185 14.2 11.4 17.0
183 11.8 9.2 13.8

Manual Integrations
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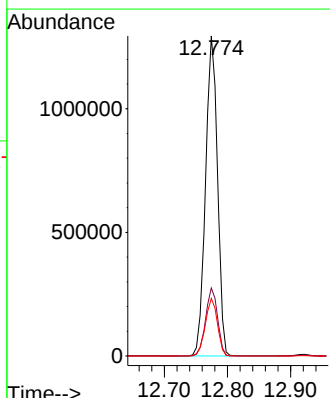
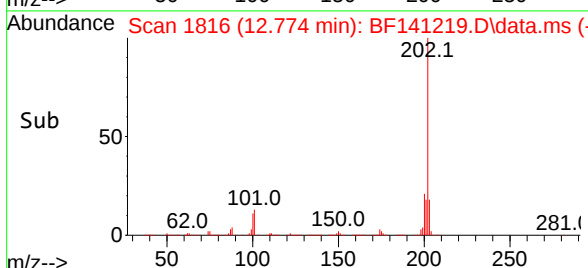
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

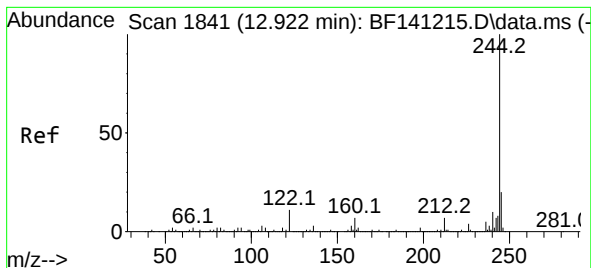


#78
Pyrene
Concen: 48.033 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



Tgt Ion:202 Resp: 1696152
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.9 14.3 21.5





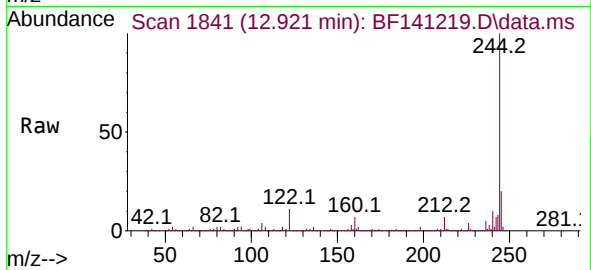
#79
Terphenyl-d14
Concen: 99.321 ng
RT: 12.921 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

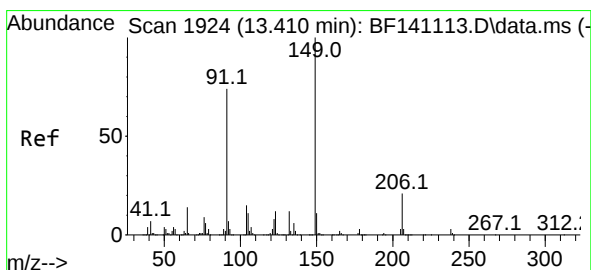
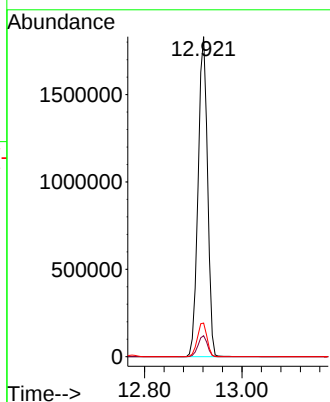
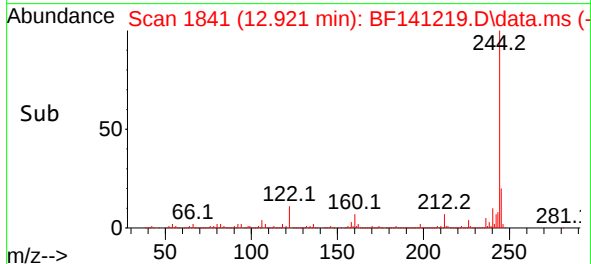


Tgt Ion:244 Resp: 2470572
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.5 8.8 13.2

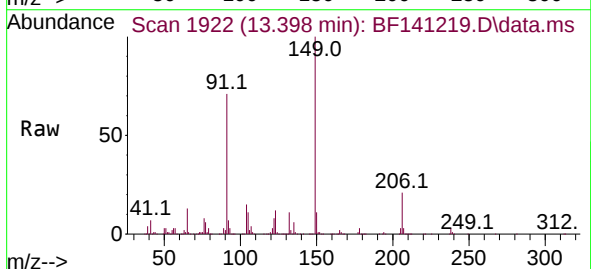
Manual Integrations

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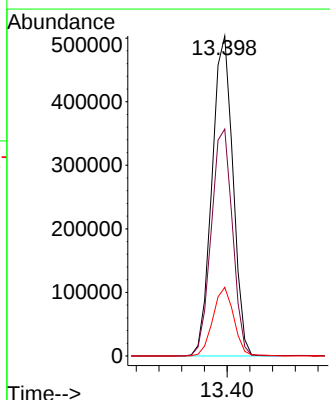
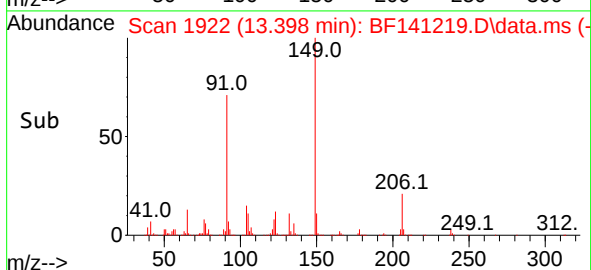
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

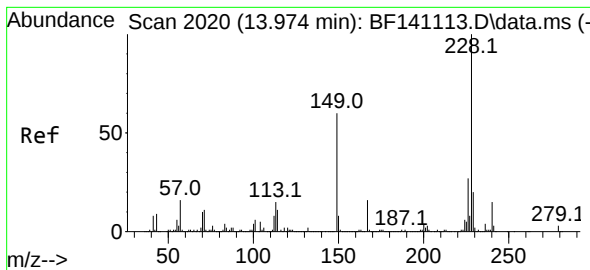


#80
Butylbenzylphthalate
Concen: 54.821 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41



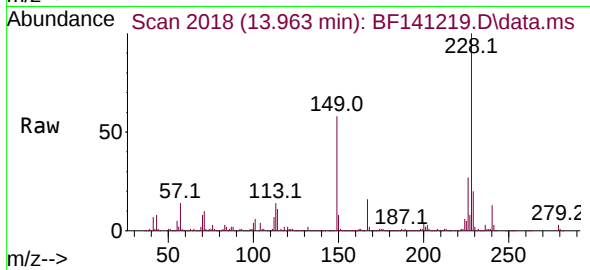
Tgt Ion:149 Resp: 645425
Ion Ratio Lower Upper
149 100
91 70.9 59.0 88.6
206 21.5 16.5 24.7





#81
Benzo(a)anthracene
Concen: 48.727 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

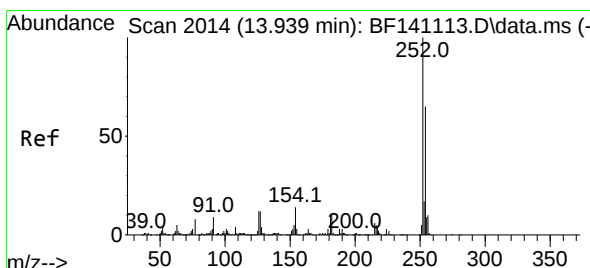
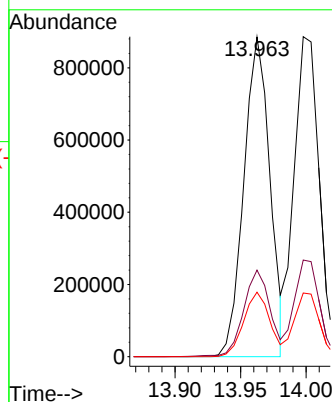
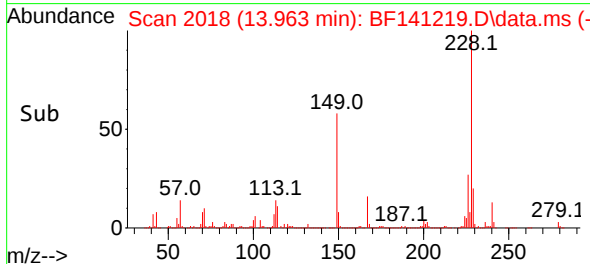
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:228 Resp: 122602
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 20.2 15.7 23.5

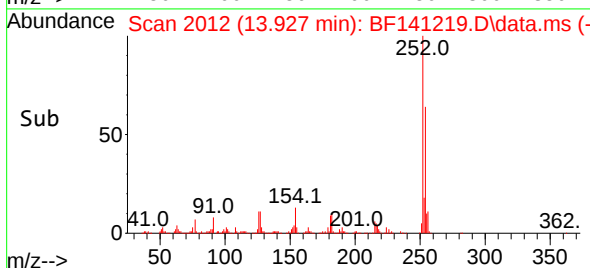
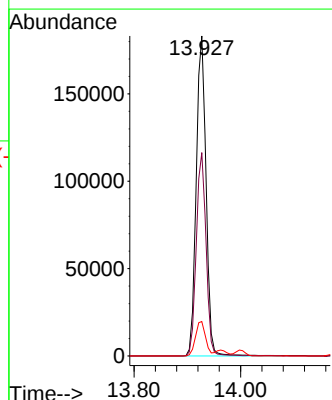
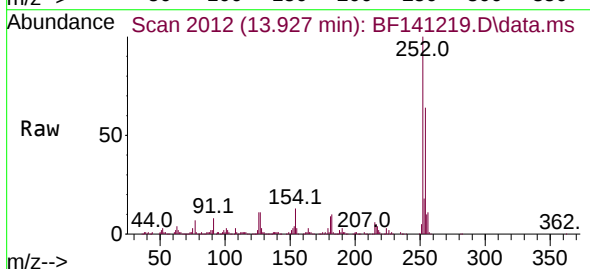
Manual Integrations
APPROVED

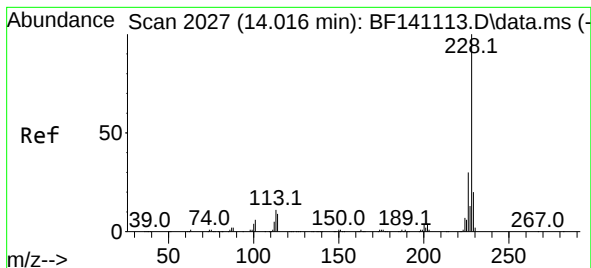
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#82
3,3'-Dichlorobenzidine
Concen: 29.221 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:252 Resp: 234111
Ion Ratio Lower Upper
252 100
254 63.6 52.0 78.0
126 10.7 9.4 14.0





#83

Chrysene

Concen: 49.843 ng

RT: 13.998 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

Instrument :

BNA_F

ClientSampleId :

PB166117BSD

Tgt Ion:228 Resp: 1173460

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

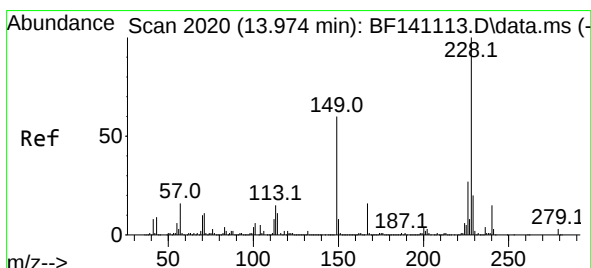
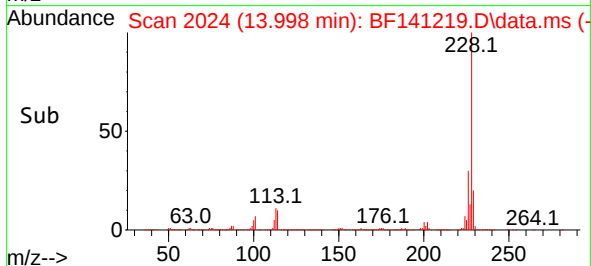
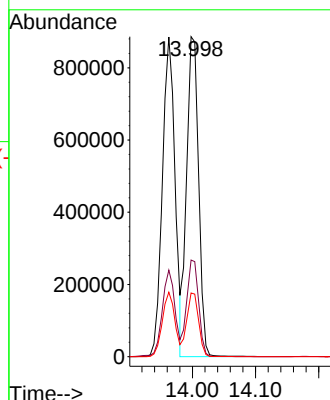
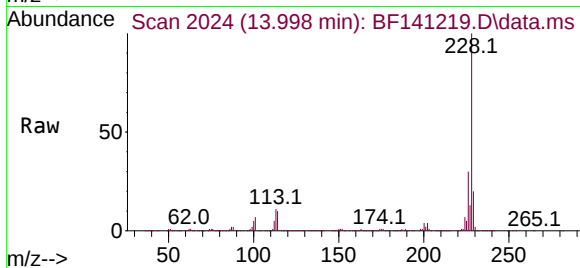
229 19.9 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.141 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141219.D

Acq: 20 Jan 2025 13:41

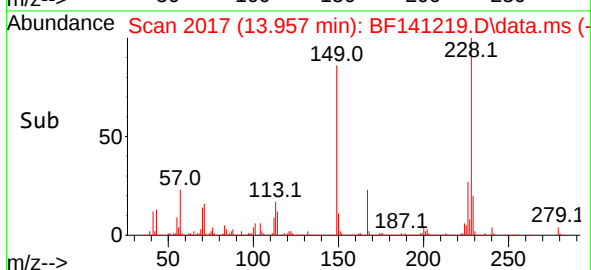
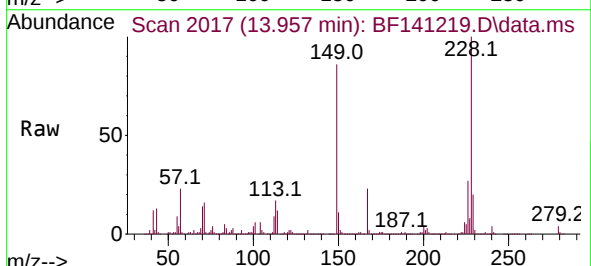
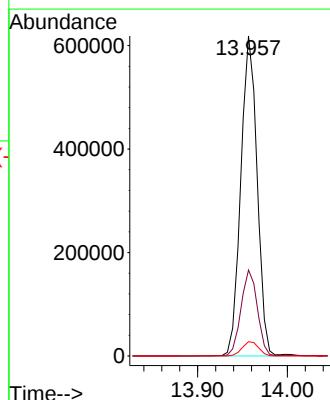
Tgt Ion:149 Resp: 778945

Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.2

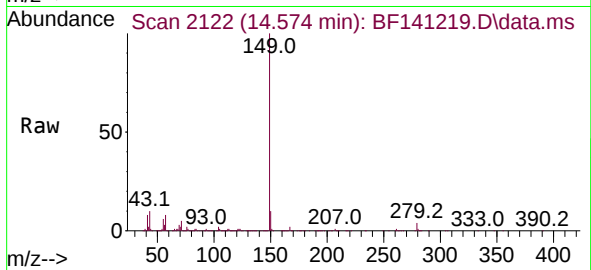
279 4.5 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 52.245 ng
RT: 14.574 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

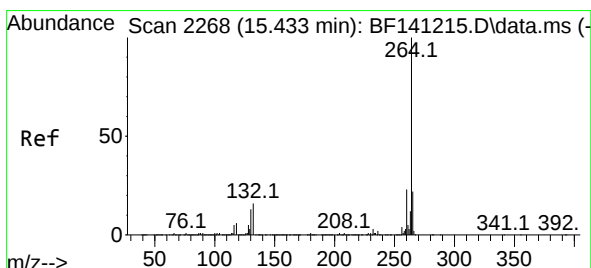
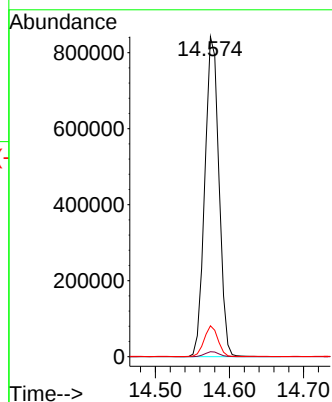
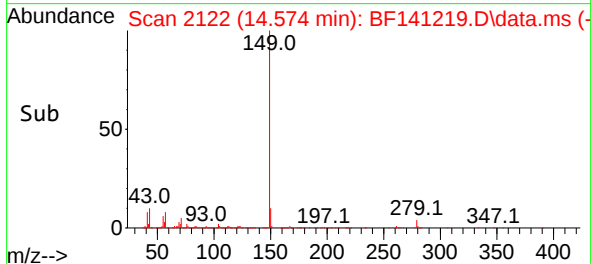
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:149 Resp: 111447
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.3 8.4 12.6

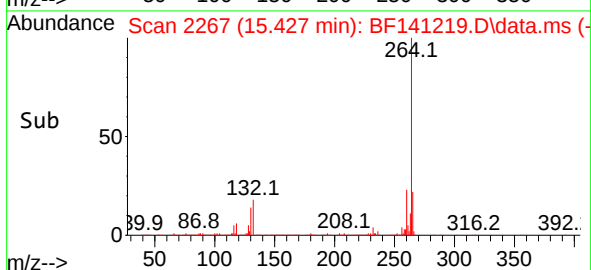
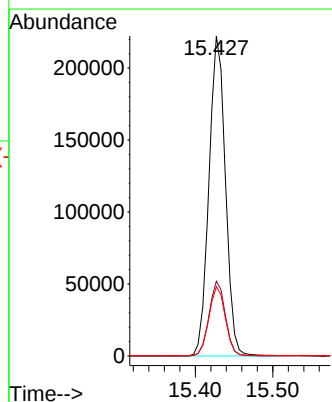
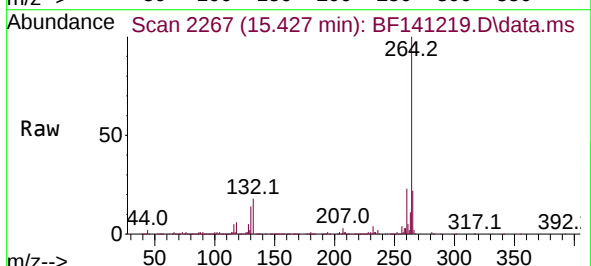
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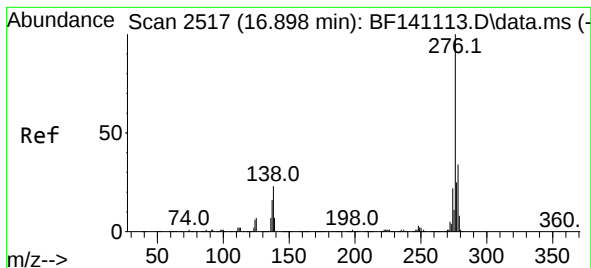
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

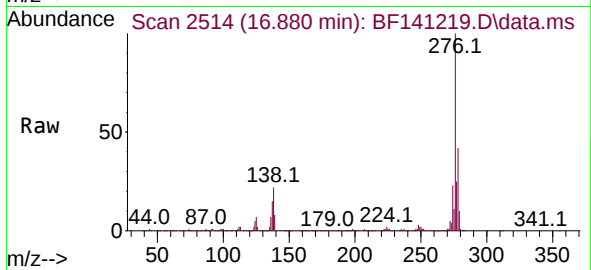
Tgt Ion:264 Resp: 327689
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.6 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.296 ng
RT: 16.880 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

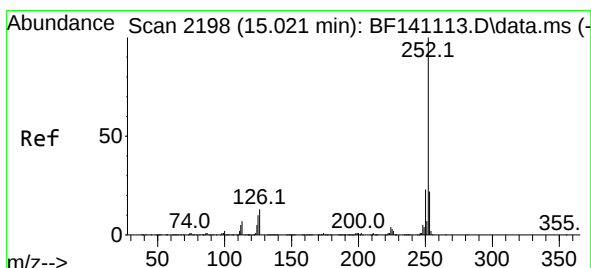
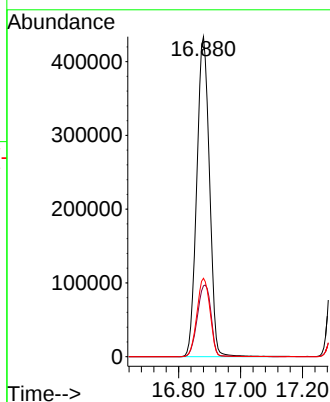
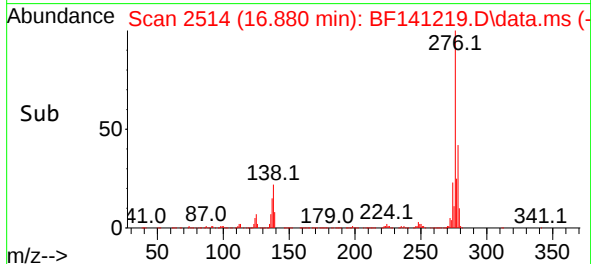
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:276 Resp: 1231480
Ion Ratio Lower Upper
276 100
138 24.1 20.7 31.1
277 25.3 20.6 30.8

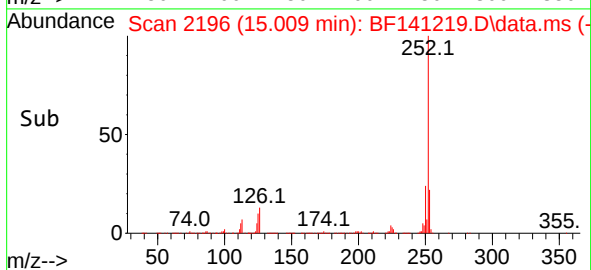
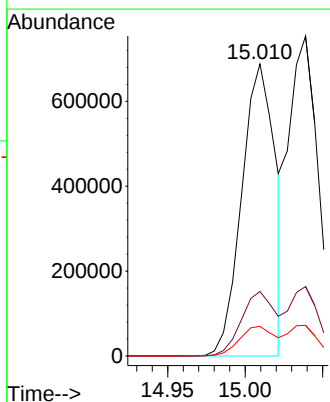
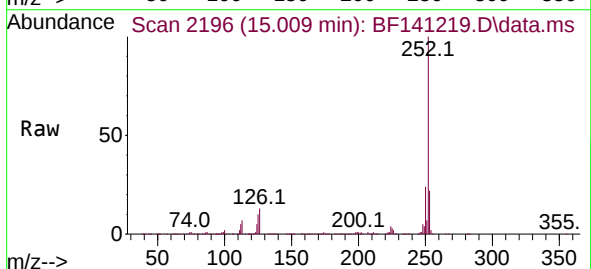
Manual Integrations
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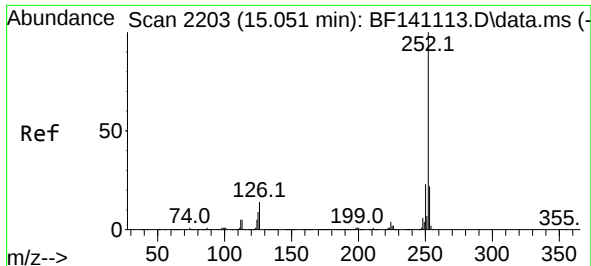
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#88
Benzo(b)fluoranthene
Concen: 48.808 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

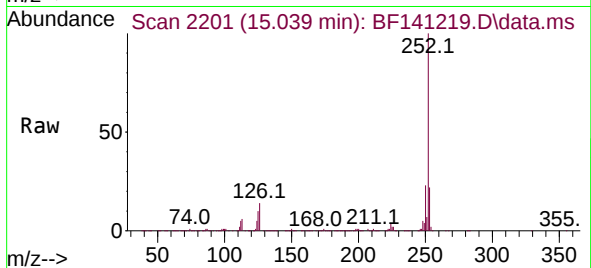
Tgt Ion:252 Resp: 1031329
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.2 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 56.053 ng
RT: 15.039 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

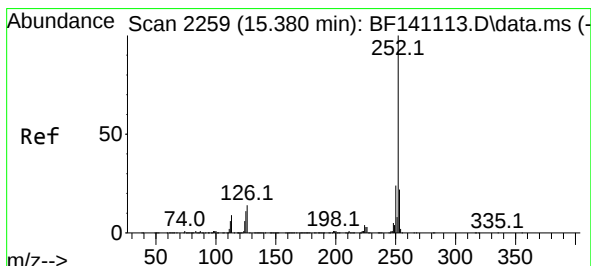
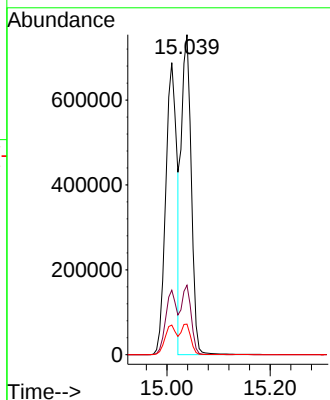
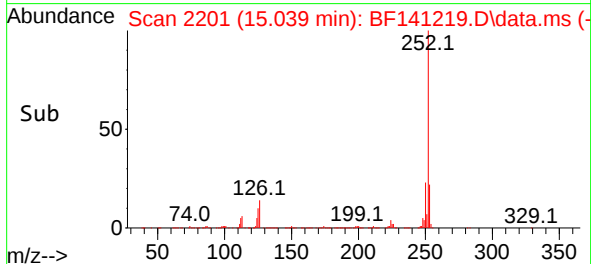
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:252 Resp: 1000935
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 9.5 7.9 11.9

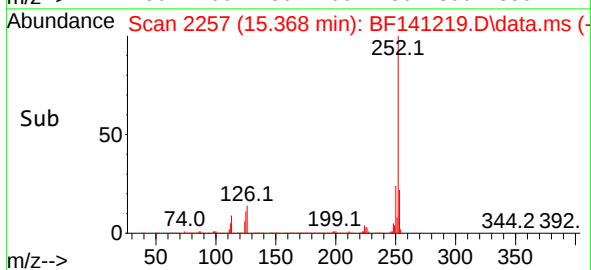
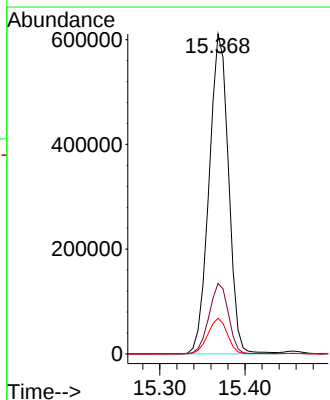
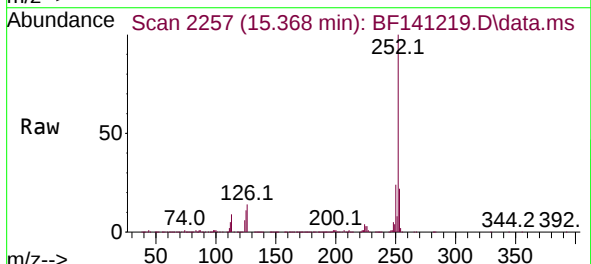
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#90
Benzo(a)pyrene
Concen: 55.533 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

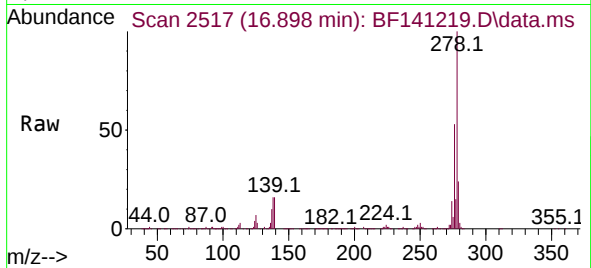
Tgt Ion:252 Resp: 968156
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.1 9.1 13.7





#91
Dibenzo(a,h)anthracene
Concen: 50.838 ng
RT: 16.898 min Scan# 2517
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

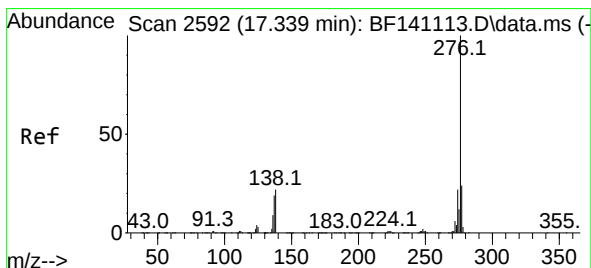
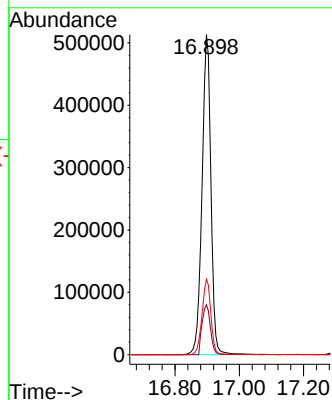
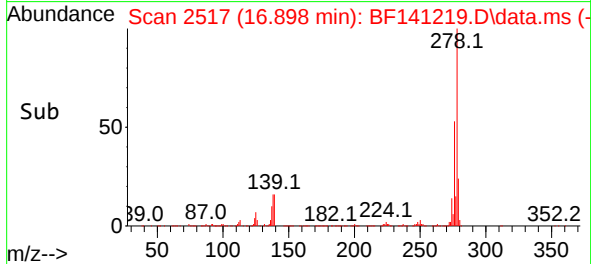
Instrument :
BNA_F
ClientSampleId :
PB166117BSD



Tgt Ion:278 Resp: 98714
Ion Ratio Lower Upper
278 100
139 15.6 13.8 20.6
279 23.6 19.1 28.7

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#92
Benzo(g,h,i)perylene
Concen: 45.848 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:276 Resp: 925984
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.4
138 20.8 17.4 26.2

