

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141513.D
 Acq On : 07 Feb 2025 17:43
 Operator : RC/JU
 Sample : Q1288-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-020425MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 22:23:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	92803	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	356369	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	182146	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	262167	20.000	ng	0.00
76) Chrysene-d12	13.968	240	176335	20.000	ng	0.00
86) Perylene-d12	15.433	264	147556	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	642053	108.464	ng	0.00
7) Phenol-d6	6.439	99	800748	107.026	ng	0.00
23) Nitrobenzene-d5	7.357	82	526280	77.026	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	182848	99.931	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	929841	78.649	ng	0.00
79) Terphenyl-d14	12.904	244	767401	73.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.540	88	104925	44.040	ng	100
3) Pyridine	3.269	79	239441	42.234	ng	99
4) n-Nitrosodimethylamine	3.216	42	164743	43.885	ng	99
6) Aniline	6.457	93	115915	16.516	ng	# 8
8) 2-Chlorophenol	6.581	128	291117	45.514	ng	99
9) Benzaldehyde	6.339	77	189802	47.739	ng	94
10) Phenol	6.451	94	354611	45.538	ng	84
11) bis(2-Chloroethyl)ether	6.528	93	297103	50.796	ng	96
12) 1,3-Dichlorobenzene	6.734	146	301913	44.710	ng	98
13) 1,4-Dichlorobenzene	6.810	146	301678	43.726	ng	98
14) 1,2-Dichlorobenzene	6.963	146	293947	45.905	ng	99
15) Benzyl Alcohol	6.939	79	254400	44.341	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	439230	43.869	ng	71
17) 2-Methylphenol	7.057	107	226234	45.197	ng	93
18) Hexachloroethane	7.304	117	131690	51.575	ng	97
19) n-Nitroso-di-n-propyla...	7.210	70	206796	46.208	ng	98
20) 3+4-Methylphenols	7.210	107	300469	47.234	ng	93
22) Acetophenone	7.204	105	496051	55.957	ng	97
24) Nitrobenzene	7.375	77	301803	45.299	ng	99
25) Isophorone	7.616	82	551112	50.588	ng	98
26) 2-Nitrophenol	7.692	139	150798	45.494	ng	97
27) 2,4-Dimethylphenol	7.733	122	232743	60.104	ng	98
28) bis(2-Chloroethoxy)met...	7.828	93	331773	47.527	ng	97
29) 2,4-Dichlorophenol	7.945	162	244576	46.746	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	256412	45.004	ng	99
31) Naphthalene	8.098	128	898258	48.423	ng	98
32) Benzoic acid	7.875	122	193314	48.062	ng	91
33) 4-Chloroaniline	8.157	127	75246	11.618	ng	# 93
34) Hexachlorobutadiene	8.210	225	161871	47.325	ng	99
35) Caprolactam	8.522	113	110881m	69.605	ng	
36) 4-Chloro-3-methylphenol	8.645	107	259439	44.765	ng	99
37) 2-Methylnaphthalene	8.792	142	600980	49.786	ng	99
38) 1-Methylnaphthalene	8.886	142	551145	47.141	ng	97
40) 1,2,4,5-Tetrachloroben...	8.957	216	265455	50.374	ng	99
41) Hexachlorocyclopentadiene	8.939	237	38434	21.928	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	159203	46.743	ng	99

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Quant Time: Feb 07 22:23:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

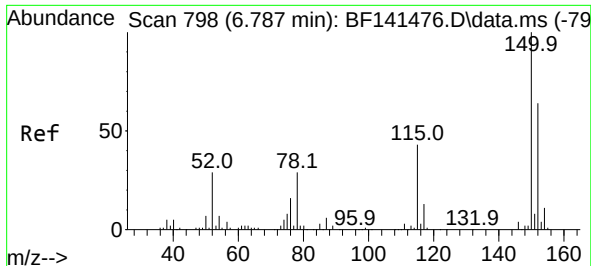
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	161313	43.702	ng	# 88
46) 1,1'-Biphenyl	9.257	154	744433	52.717	ng	99
47) 2-Chloronaphthalene	9.280	162	476402	45.622	ng	99
48) 2-Nitroaniline	9.374	65	170934	48.776	ng	96
49) Acenaphthylene	9.698	152	734623	47.298	ng	99
50) Dimethylphthalate	9.557	163	563639	45.582	ng	98
51) 2,6-Dinitrotoluene	9.622	165	119438	44.184	ng	95
52) Acenaphthene	9.869	154	499306	47.818	ng	98
53) 3-Nitroaniline	9.786	138	63023	21.662	ng	# 95
54) 2,4-Dinitrophenol	9.898	184	71581	44.555	ng	92
55) Dibenzofuran	10.039	168	673218	43.924	ng	97
56) 4-Nitrophenol	9.969	139	188603	87.326	ng	95
57) 2,4-Dinitrotoluene	10.027	165	159647	44.364	ng	# 100
58) Fluorene	10.386	166	553693	46.722	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	128824	40.538	ng	# 85
60) Diethylphthalate	10.257	149	542418	44.584	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	246802	43.289	ng	95
62) 4-Nitroaniline	10.404	138	90759	30.721	ng	92
63) Azobenzene	10.539	77	586136	48.462	ng	88
65) 4,6-Dinitro-2-methylph...	10.439	198	47638	26.158	ng	# 70
66) n-Nitrosodiphenylamine	10.492	169	467745	55.736	ng	98
67) 4-Bromophenyl-phenylether	10.869	248	147233	50.249	ng	96
68) Hexachlorobenzene	10.933	284	140122	46.442	ng	94
69) Atrazine	11.027	200	174009	69.115	ng	99
70) Pentachlorophenol	11.133	266	173673	90.022	ng	99
71) Phenanthrene	11.351	178	1463714	101.428	ng	99
72) Anthracene	11.398	178	833684	57.469	ng	99
73) Carbazole	11.557	167	610381	46.762	ng	98
74) Di-n-butylphthalate	11.886	149	777973	51.617	ng	100
75) Fluoranthene	12.539	202	1691990	110.589	ng	99
77) Benzidine	12.657	184	173129	44.518	ng	96
78) Pyrene	12.768	202	1586371	105.681	ng	99
80) Butylbenzylphthalate	13.380	149	276842	53.246	ng	98
81) Benzo(a)anthracene	13.957	228	1028687	87.760	ng	98
82) 3,3'-Dichlorobenzidine	13.915	252	74707	22.249	ng	99
83) Chrysene	13.992	228	909011	83.988	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	384909	65.639	ng	99
85) Di-n-octyl phthalate	14.568	149	615827	73.615	ng	100
87) Indeno(1,2,3-cd)pyrene	16.880	276	484894	53.184	ng	99
88) Benzo(b)fluoranthene	15.015	252	839900	84.773	ng	98
89) Benzo(k)fluoranthene	15.039	252	555023m	65.604	ng	
90) Benzo(a)pyrene	15.374	252	646442	80.634	ng	98
91) Dibenzo(a,h)anthracene	16.892	278	318007	43.046	ng	99
92) Benzo(g,h,i)perylene	17.315	276	381089	49.294	ng	99

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

Manual Integrations

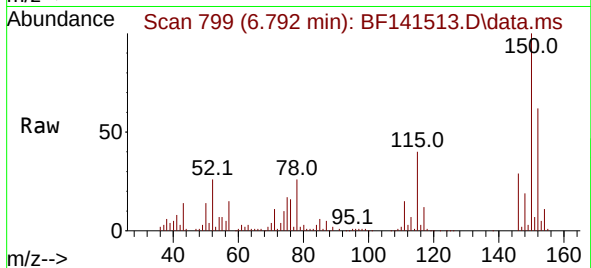
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

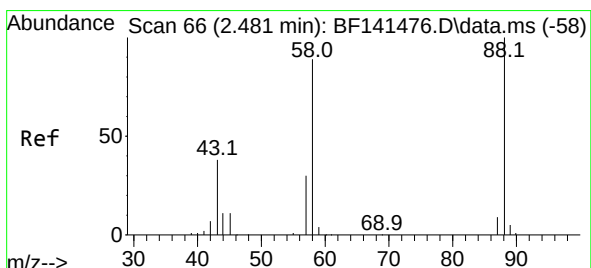
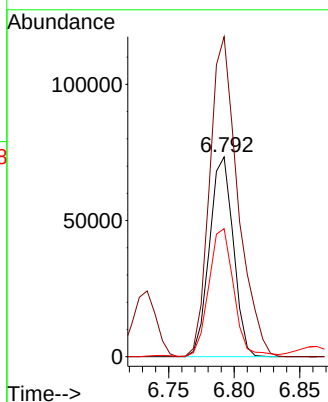
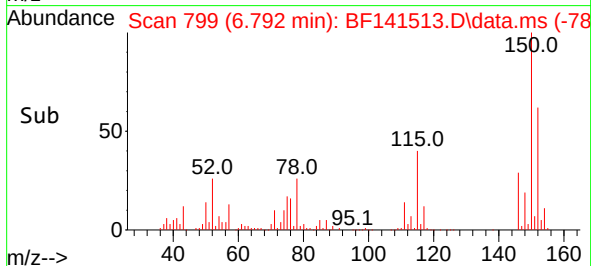
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:152 Resp: 9280
Ion Ratio Lower Upper
152 100
150 160.2 125.0 187.4
115 64.1 53.6 80.4

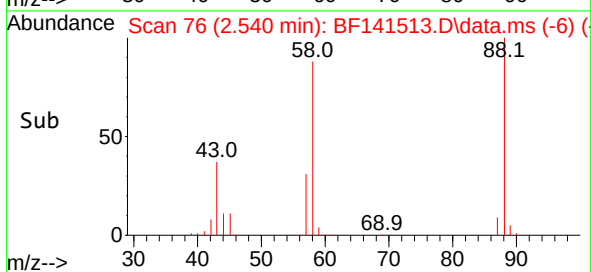
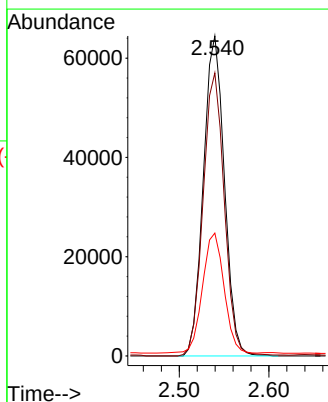
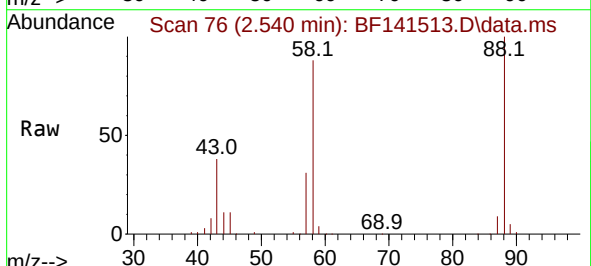
Manual Integrations
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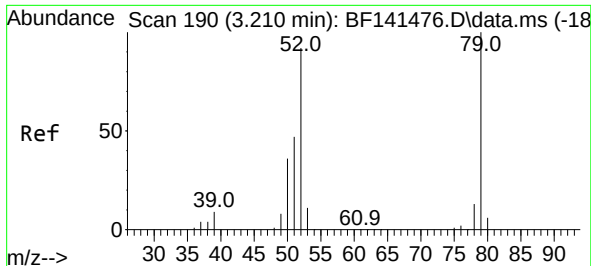
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#2
1,4-Dioxane
Concen: 44.040 ng
RT: 2.540 min Scan# 76
Delta R.T. 0.059 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

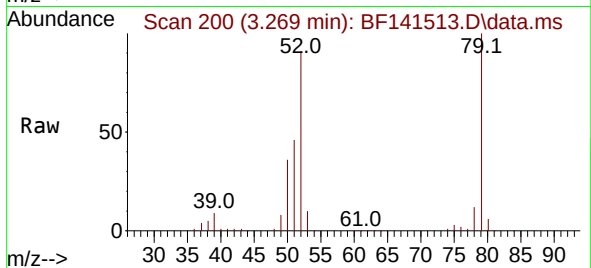
Tgt Ion: 88 Resp: 104925
Ion Ratio Lower Upper
88 100
58 89.5 71.1 106.7
43 38.3 30.6 46.0





#3
Pyridine
Concen: 42.234 ng
RT: 3.269 min Scan# 20
Delta R.T. 0.053 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

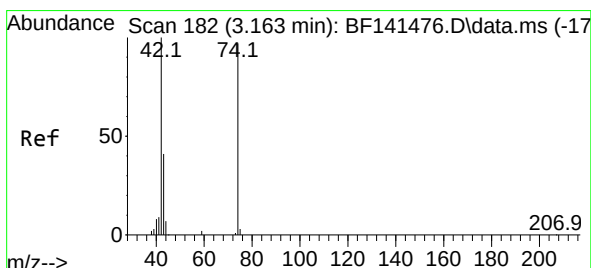
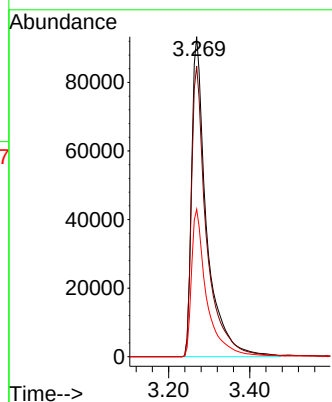
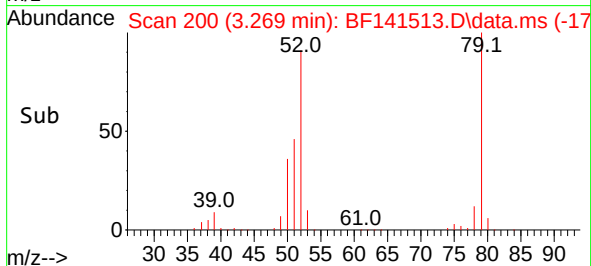
Instrument :
BNA_F
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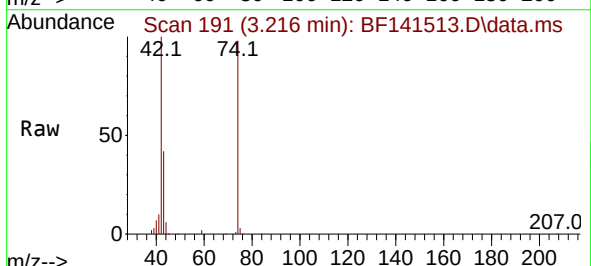
Tgt Ion: 79 Resp: 23944
Ion Ratio Lower Upper
79 100
52 90.8 73.7 110.5
51 46.0 37.5 56.3

Manual Integrations
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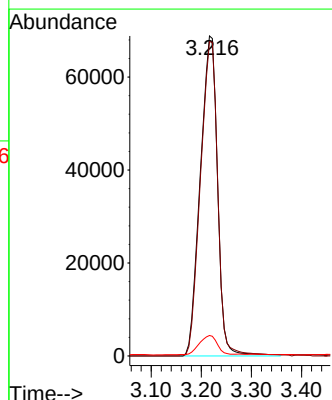
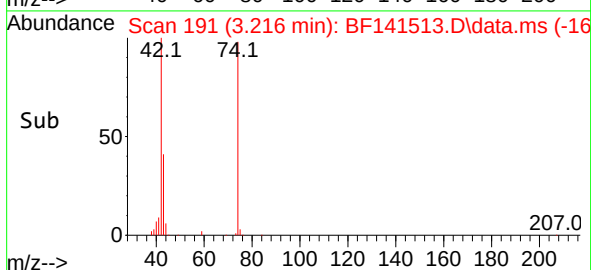
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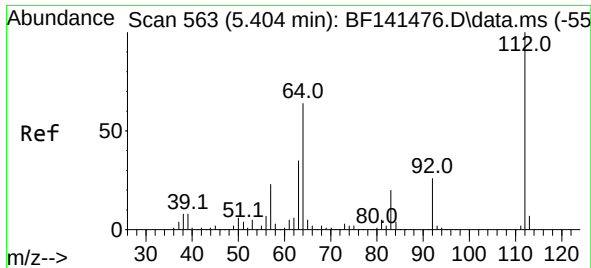


#4
n-Nitrosodimethylamine
Concen: 43.885 ng
RT: 3.216 min Scan# 191
Delta R.T. 0.029 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



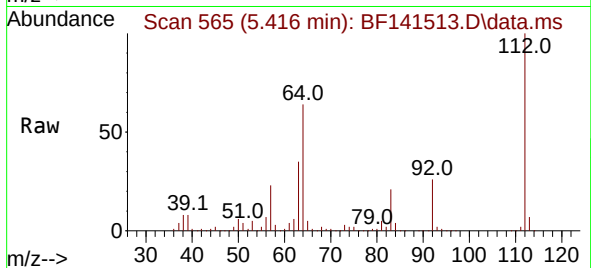
Tgt Ion: 42 Resp: 164743
Ion Ratio Lower Upper
42 100
74 98.2 78.0 117.0
44 6.4 5.4 8.2





#5
2-Fluorophenol
Concen: 108.464 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

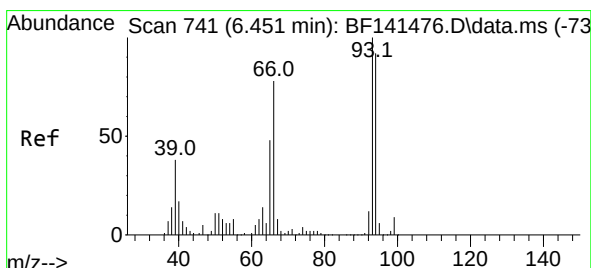
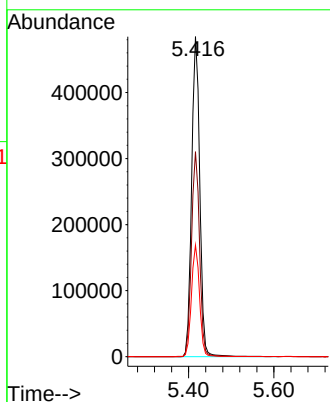
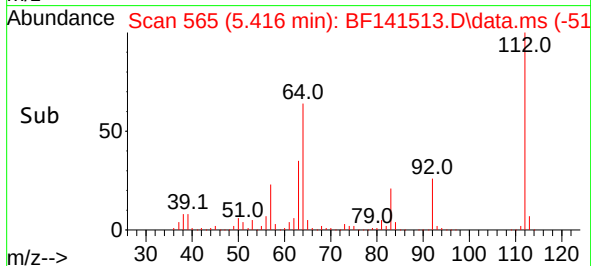
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HR-01-020425MS



Tgt Ion:112 Resp: 64205
Ion Ratio Lower Upper
112 100
64 64.1 51.1 76.7
63 34.8 28.4 42.6

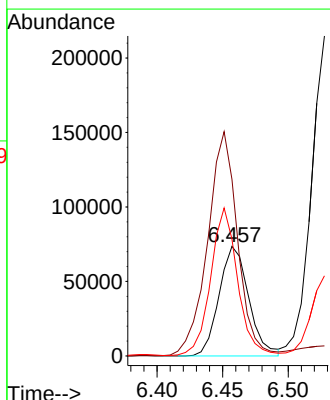
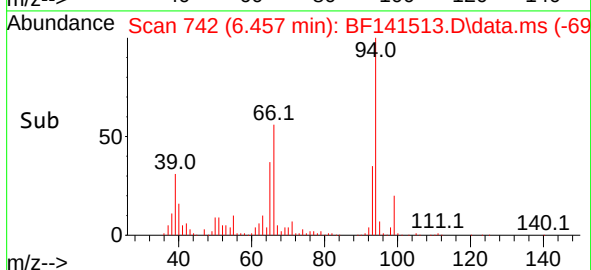
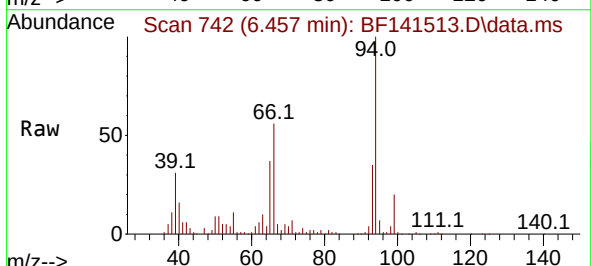
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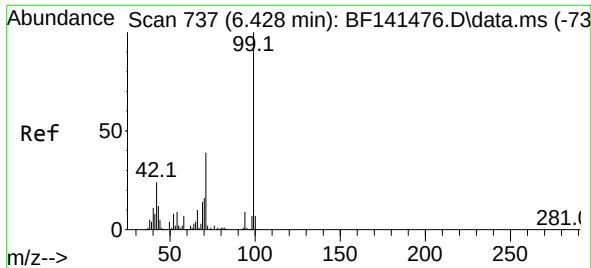
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#6
Aniline
Concen: 16.516 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

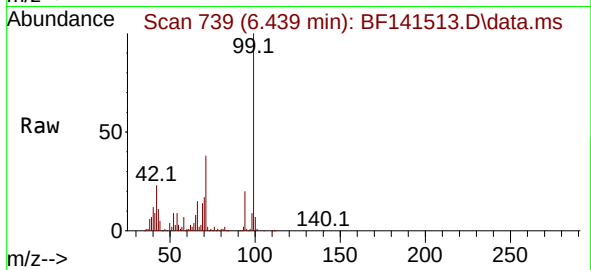
Tgt Ion: 93 Resp: 115915
Ion Ratio Lower Upper
93 100
66 161.2 62.6 94.0#
65 106.6 38.3 57.5#





#7
Phenol-d6
Concen: 107.026 ng
RT: 6.439 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

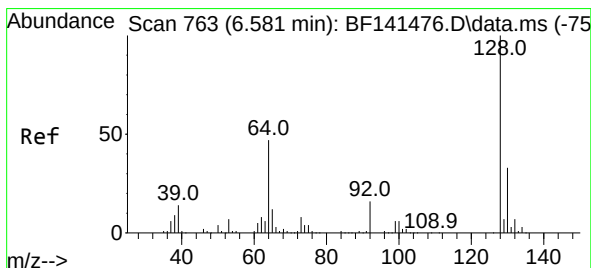
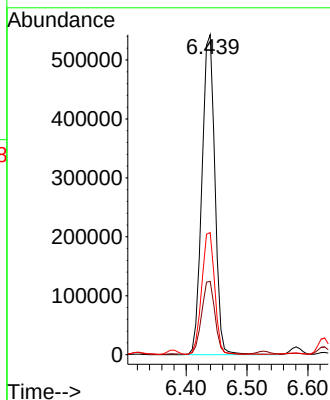
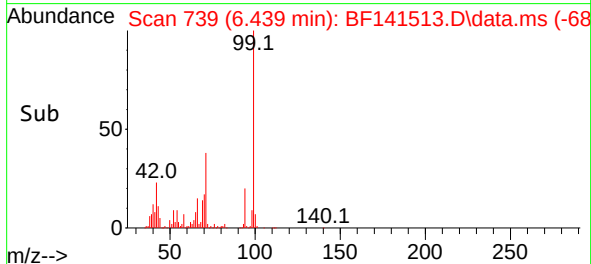
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Tgt Ion: 99 Resp: 800748
Ion Ratio Lower Upper
99 100
42 22.9 19.1 28.7
71 38.2 31.1 46.7

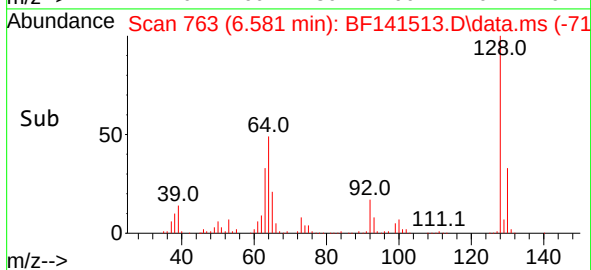
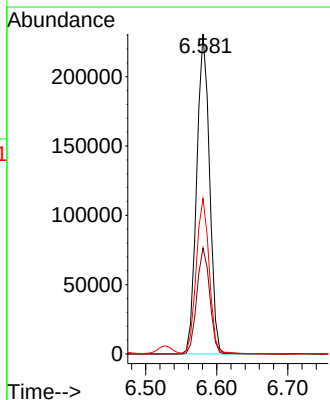
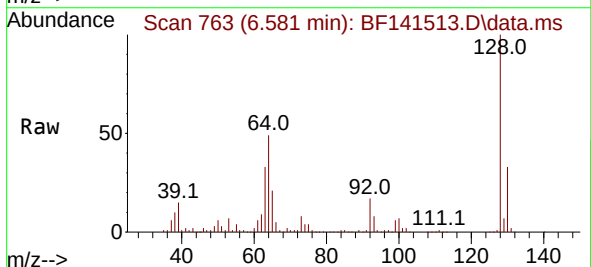
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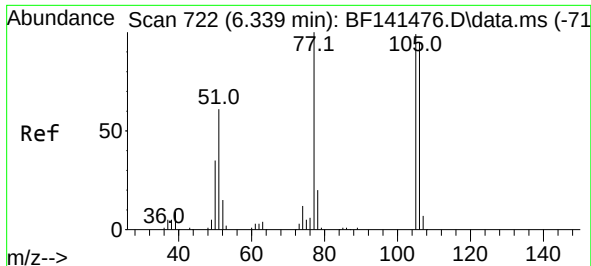
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#8
2-Chlorophenol
Concen: 45.514 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

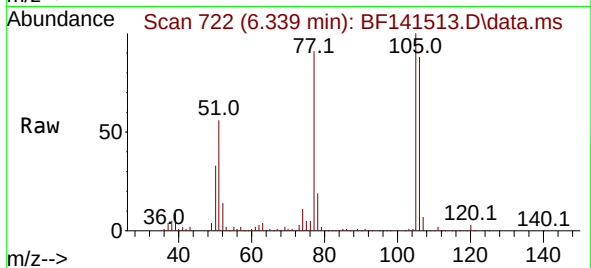
Tgt Ion:128 Resp: 291117
Ion Ratio Lower Upper
128 100
130 33.2 12.7 52.7
64 48.6 28.3 68.3





#9
Benzaldehyde
Concen: 47.739 ng
RT: 6.339 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

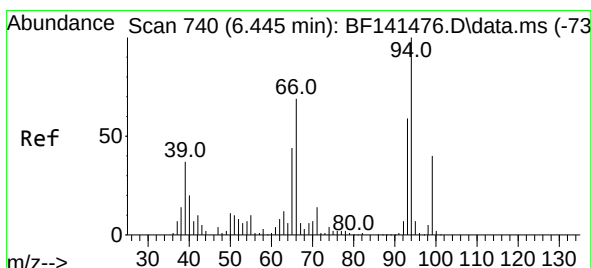
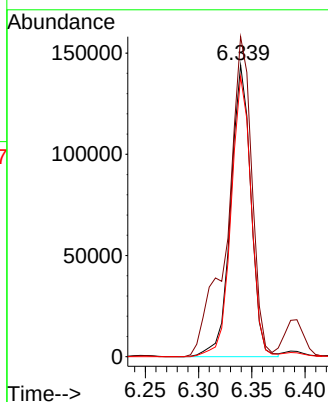
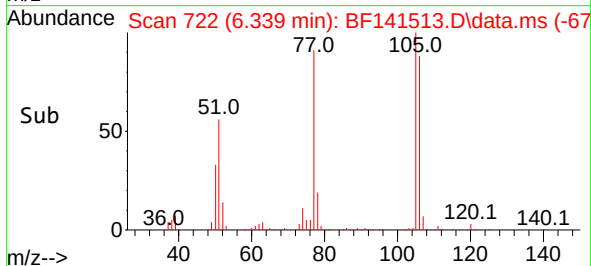
Instrument :
BNA_F
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Tgt Ion: 77 Resp: 18980
Ion Ratio Lower Upper
77 100
105 109.7 79.4 119.4
106 96.1 75.1 115.1

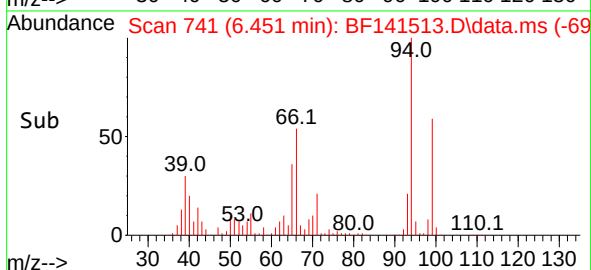
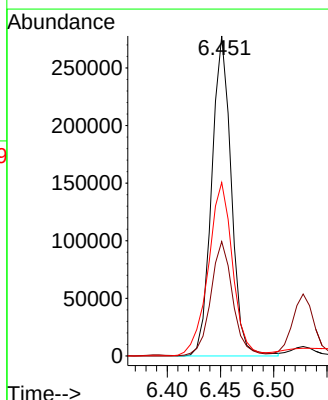
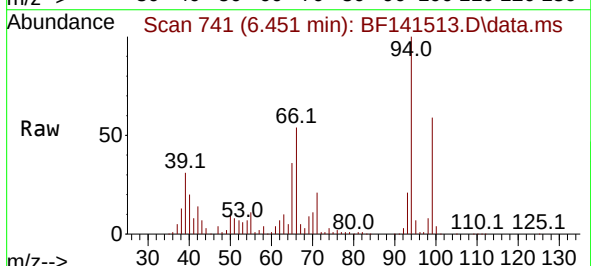
Manual Integrations
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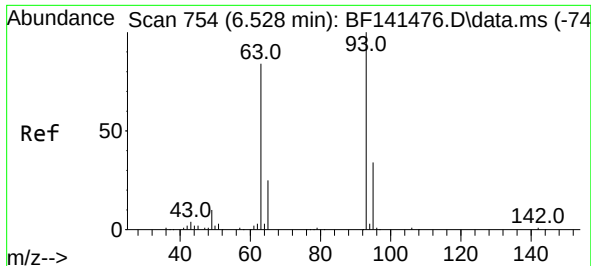
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#10
Phenol
Concen: 45.538 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Tgt Ion: 94 Resp: 354611
Ion Ratio Lower Upper
94 100
65 35.8 23.7 63.7
66 54.2 49.3 89.3





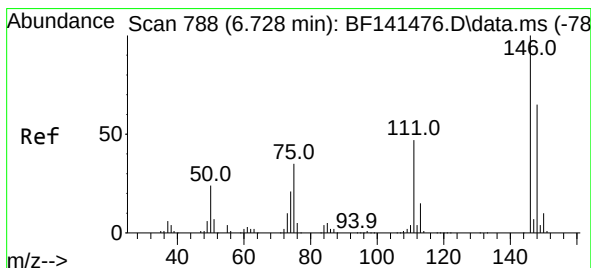
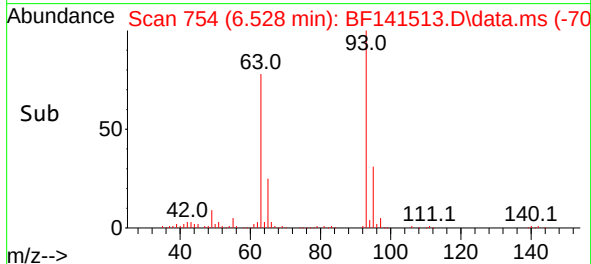
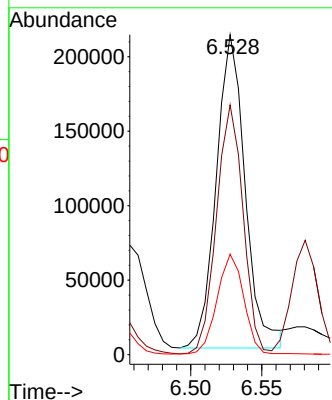
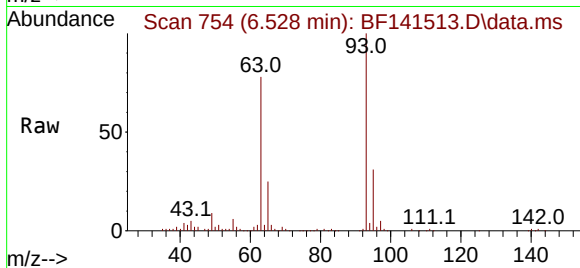
#11
bis(2-Chloroethyl)ether
Concen: 50.796 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS

Tgt Ion: 93 Resp: 29710
Ion Ratio Lower Upper
93 100
63 78.1 62.0 102.0
95 31.4 12.6 52.6

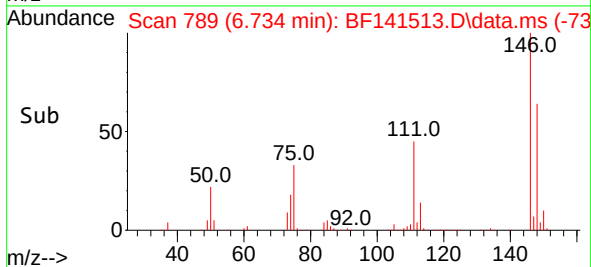
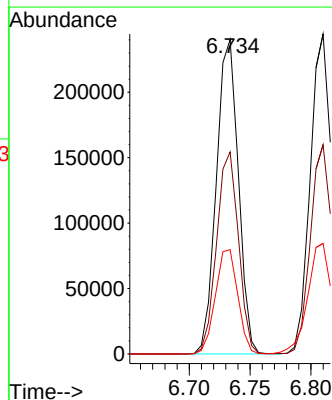
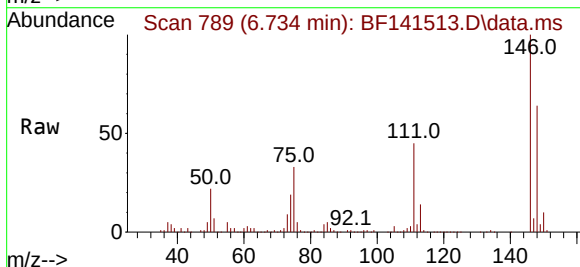
Manual Integrations
APPROVED

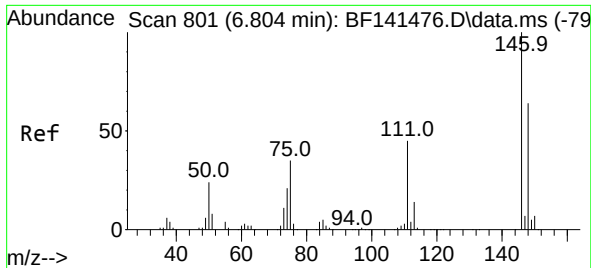
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#12
1,3-Dichlorobenzene
Concen: 44.710 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Tgt Ion:146 Resp: 301913
Ion Ratio Lower Upper
146 100
148 64.3 51.9 77.9
75 33.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 43.726 ng

RT: 6.810 min Scan# 801

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

Tgt Ion:146 Resp: 301678

Ion Ratio Lower Upper

146 100

148 65.4 50.9 76.3

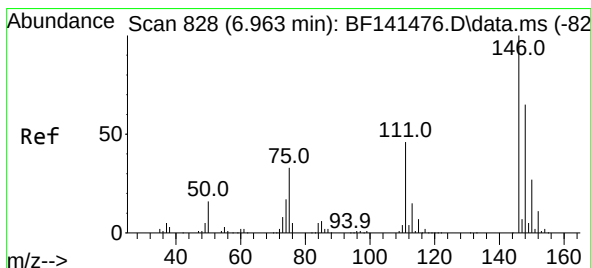
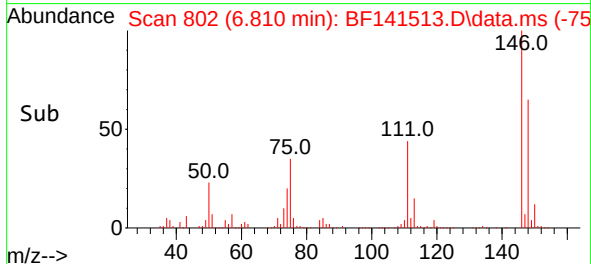
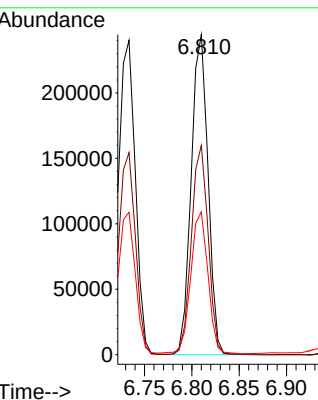
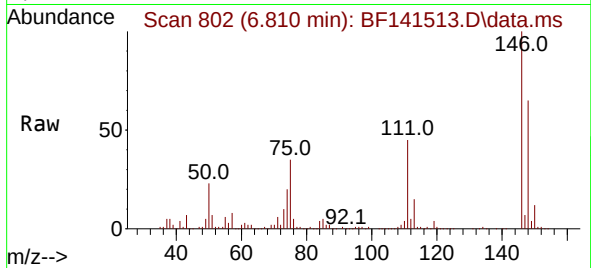
111 44.7 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#14

1,2-Dichlorobenzene

Concen: 45.905 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

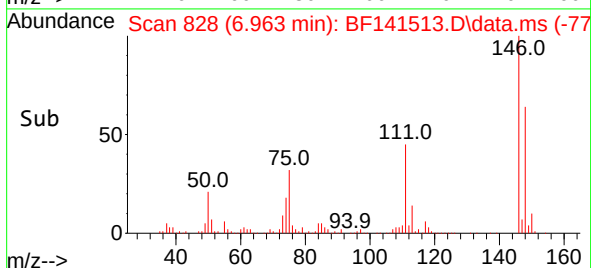
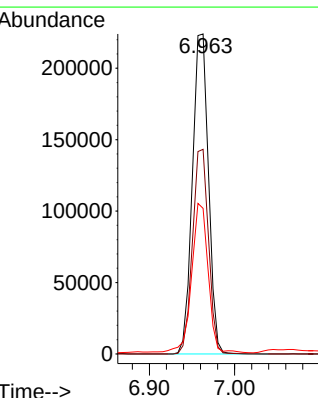
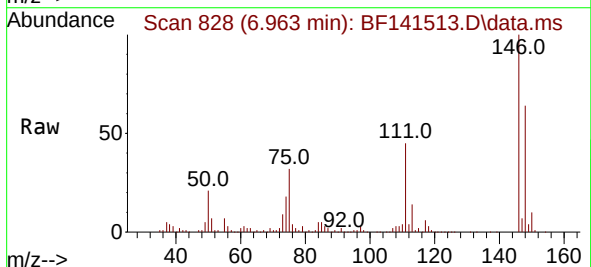
Tgt Ion:146 Resp: 293947

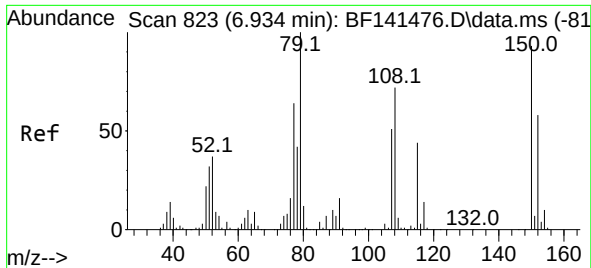
Ion Ratio Lower Upper

146 100

148 63.9 51.8 77.6

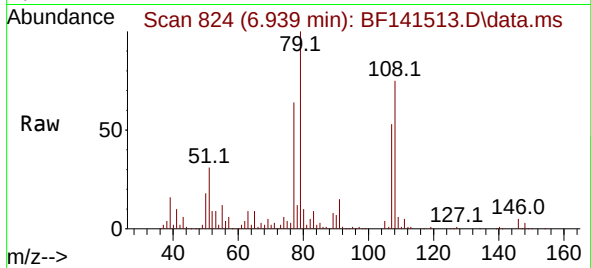
111 45.5 37.0 55.4





#15
Benzyl Alcohol
Concen: 44.341 ng
RT: 6.939 min Scan# 823
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

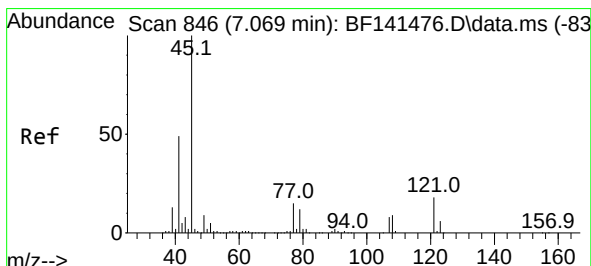
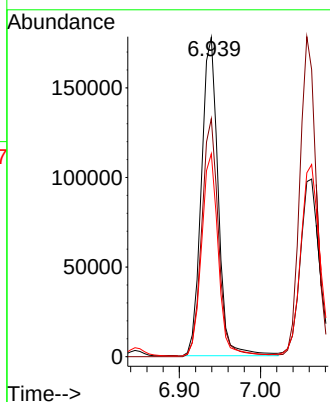
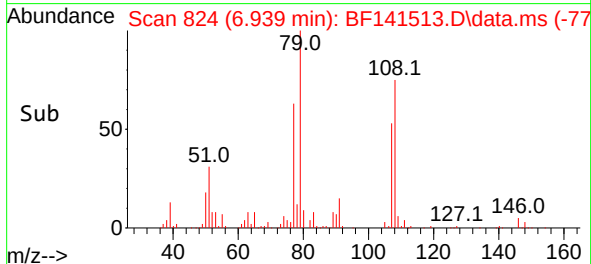
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion: 79 Resp: 254400
Ion Ratio Lower Upper
79 100
108 74.5 57.4 86.2
77 63.5 50.9 76.3

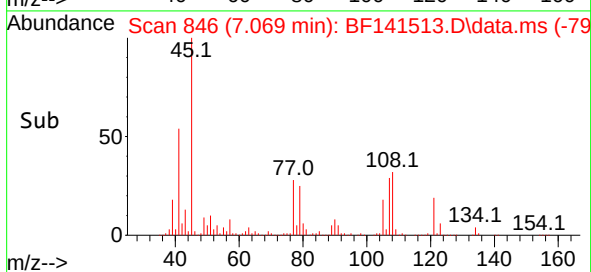
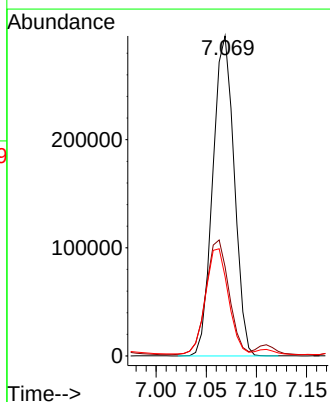
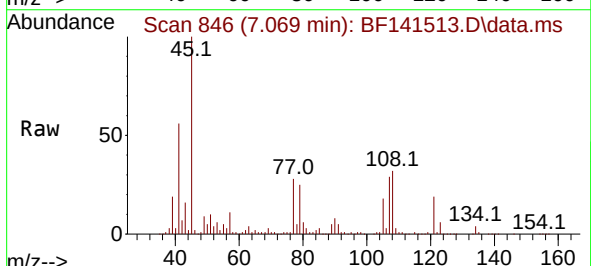
Manual Integrations
APPROVED

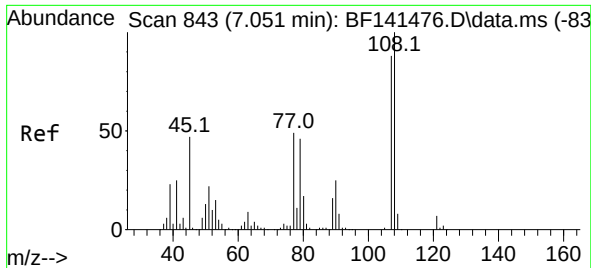
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.869 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

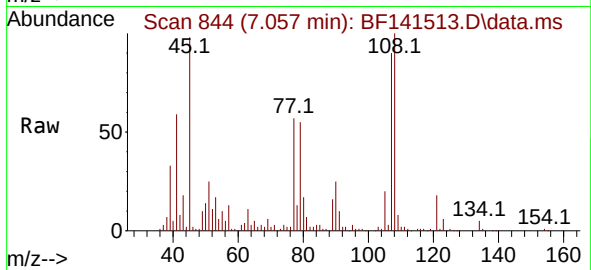
Tgt Ion: 45 Resp: 439230
Ion Ratio Lower Upper
45 100
77 27.9 0.0 35.8
79 24.8 0.0 32.7





#17
2-Methylphenol
Concen: 45.197 ng
RT: 7.057 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

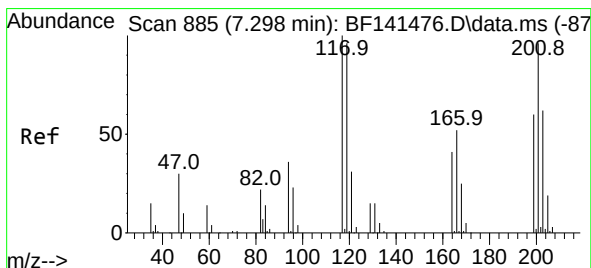
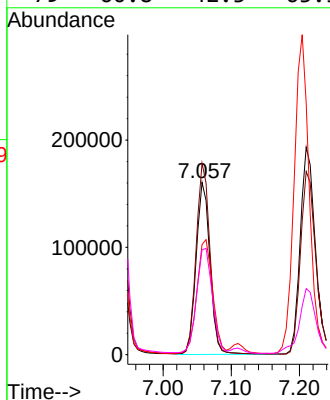
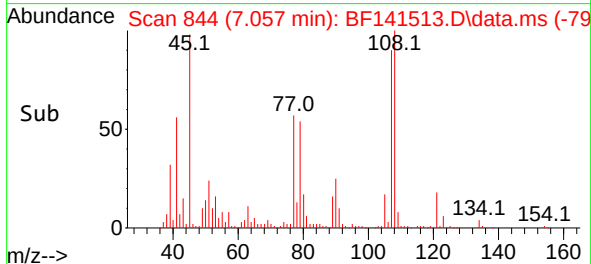
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:107 Resp: 226234
Ion Ratio Lower Upper
107 100
108 111.2 90.6 136.0
77 63.9 44.4 66.6
79 60.8 42.3 63.5

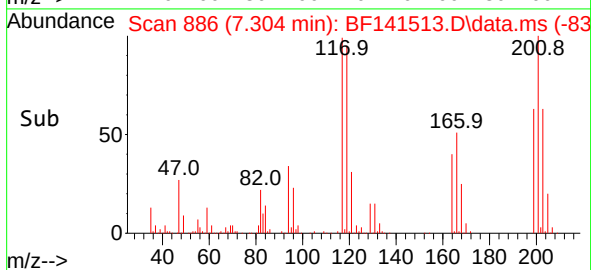
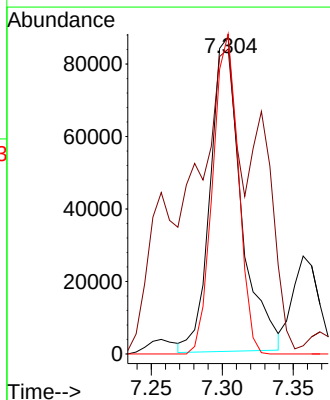
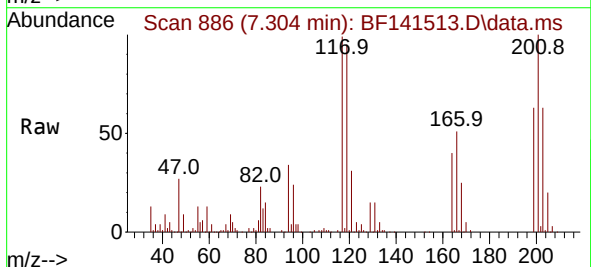
Manual Integrations
APPROVED

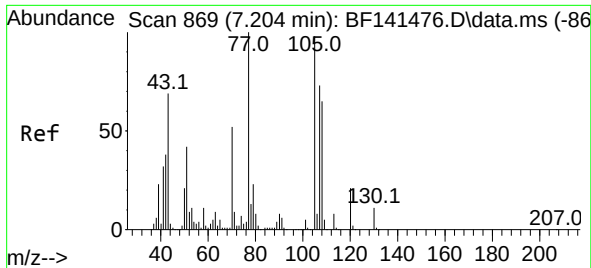
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#18
Hexachloroethane
Concen: 51.575 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

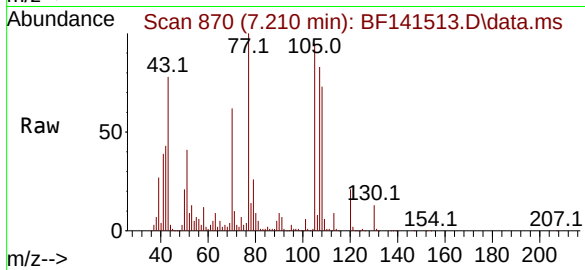
Tgt Ion:117 Resp: 131690
Ion Ratio Lower Upper
117 100
119 96.2 76.5 114.7
201 100.9 76.7 115.1





#19
n-Nitroso-di-n-propylamine
Concen: 46.208 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

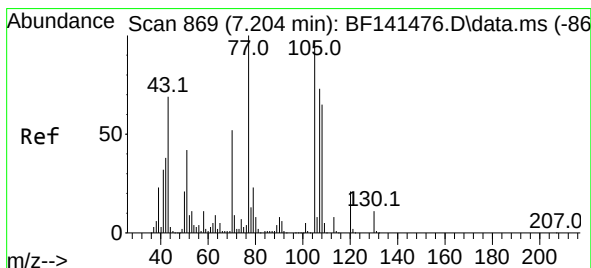
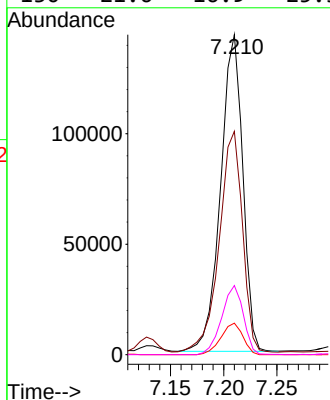
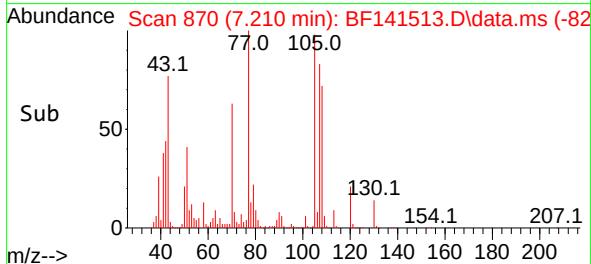
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



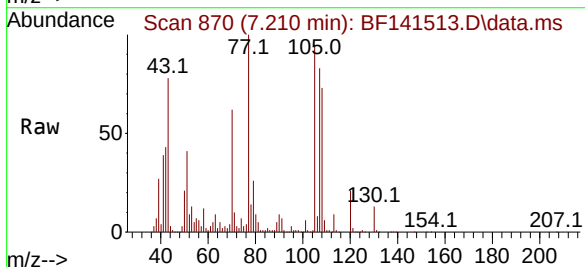
Tgt Ion: 70 Resp: 206790
Ion Ratio Lower Upper
70 100
42 69.8 57.4 86.2
101 9.9 8.0 12.0
130 21.6 16.9 25.3

Manual Integrations
APPROVED

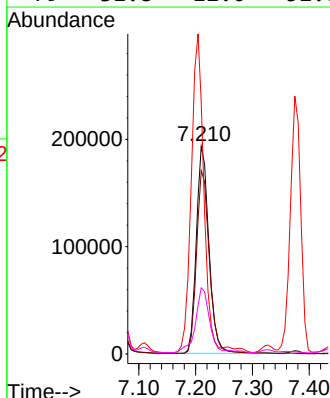
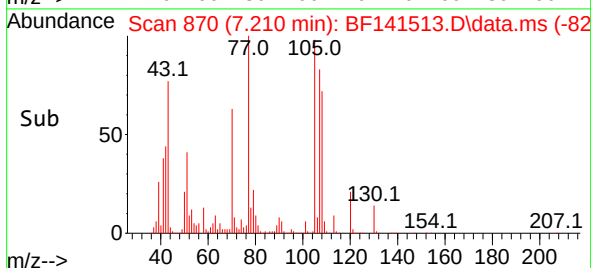
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

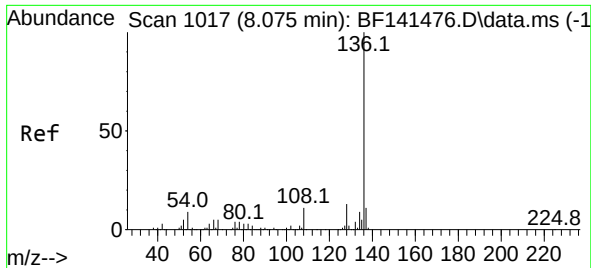


#20
3+4-Methylphenols
Concen: 47.234 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



Tgt Ion:107 Resp: 300469
Ion Ratio Lower Upper
107 100
108 88.2 68.5 108.5
77 121.1 116.5 156.5
79 31.8 12.0 52.0





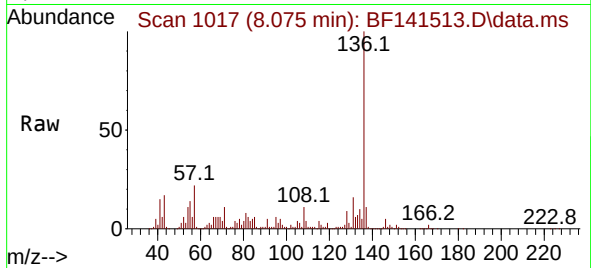
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

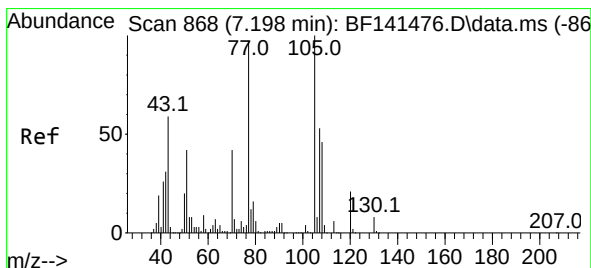
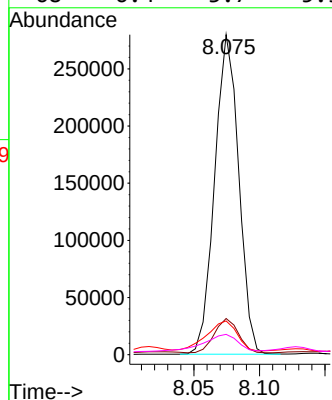
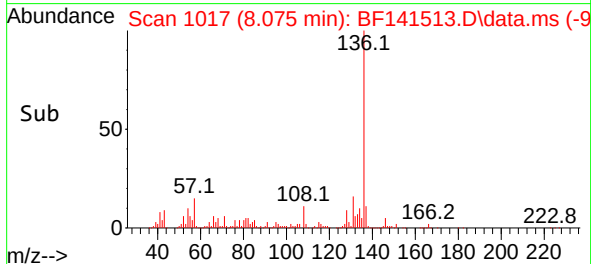


Tgt Ion:136 Resp: 356369
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 10.6 7.2 10.8
68 6.4 3.7 5.5#

Manual Integrations

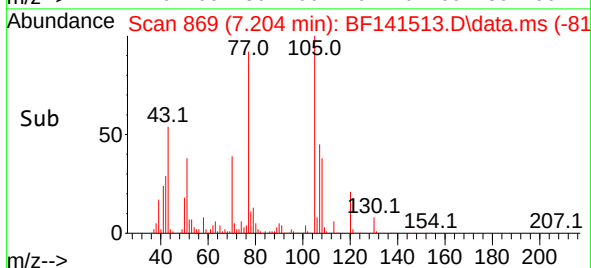
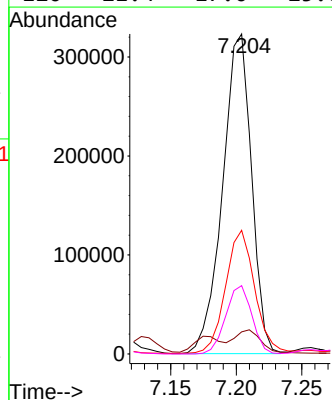
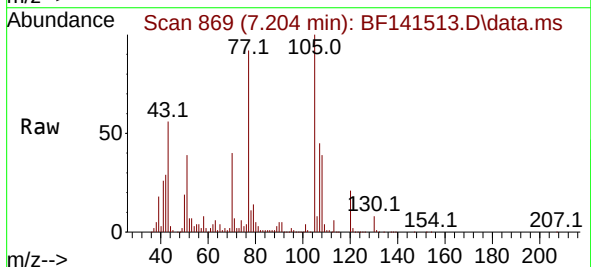
APPROVED

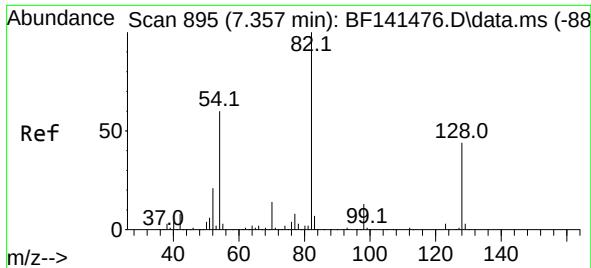
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#22
Acetophenone
Concen: 55.957 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Tgt Ion:105 Resp: 496051
Ion Ratio Lower Upper
105 100
71 6.9 5.7 8.5
51 38.7 33.7 50.5
120 21.4 17.0 25.6





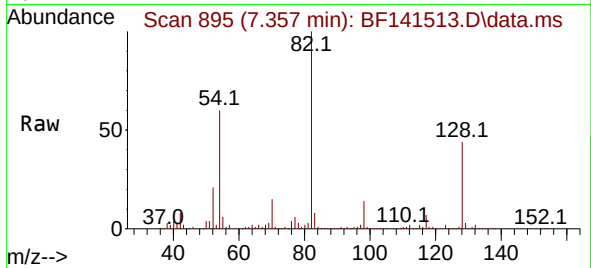
#23
Nitrobenzene-d5
Concen: 77.026 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

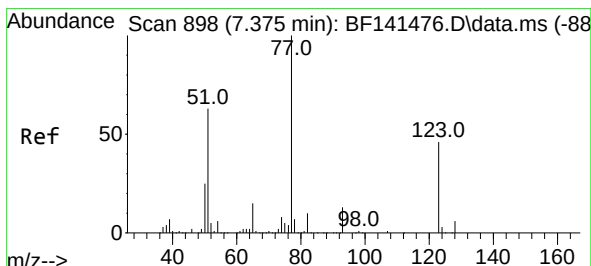
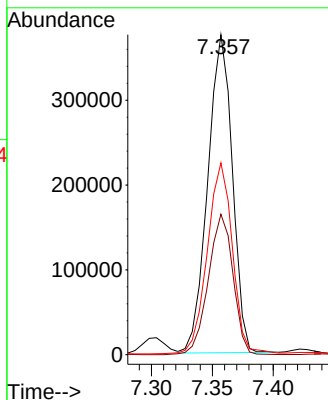
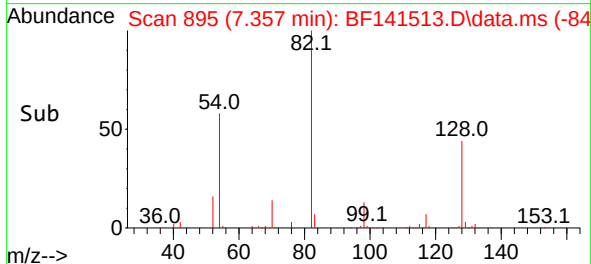


Tgt Ion: 82 Resp: 526280
Ion Ratio Lower Upper
82 100
128 43.9 34.8 52.2
54 59.9 48.2 72.4

Manual Integrations

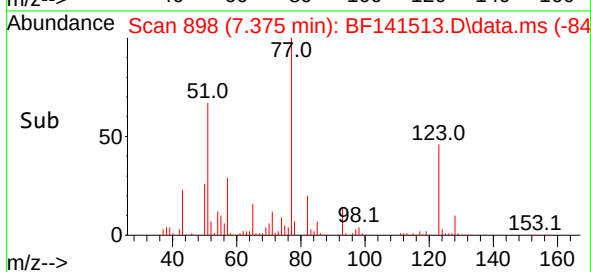
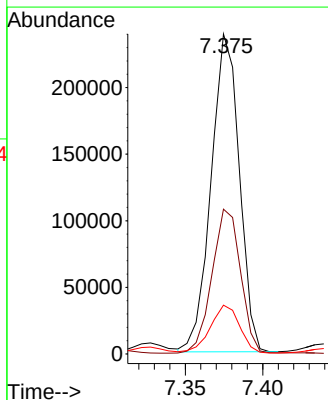
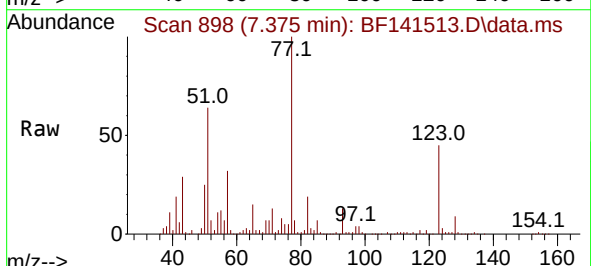
APPROVED

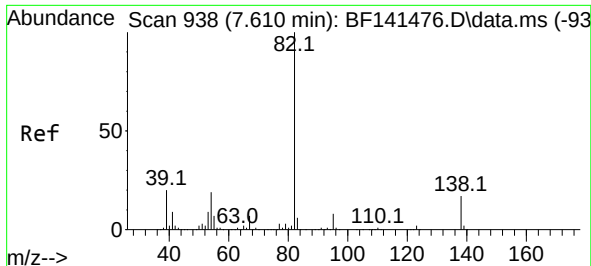
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#24
Nitrobenzene
Concen: 45.299 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

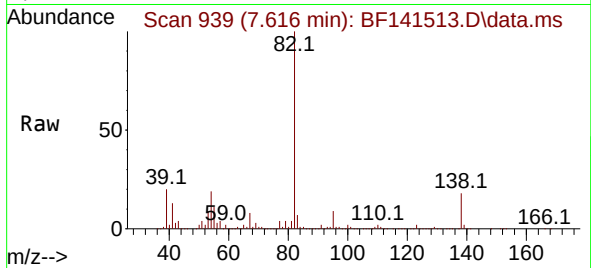
Tgt Ion: 77 Resp: 301803
Ion Ratio Lower Upper
77 100
123 45.2 36.9 55.3
65 15.2 11.9 17.9





#25
Isophorone
Concen: 50.588 ng
RT: 7.616 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

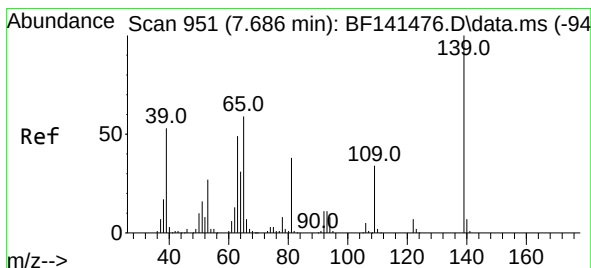
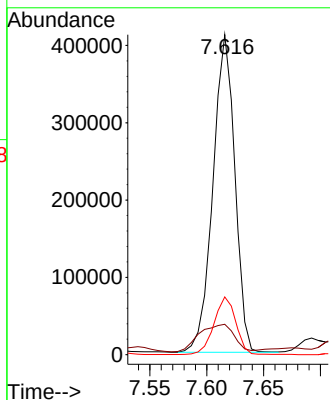
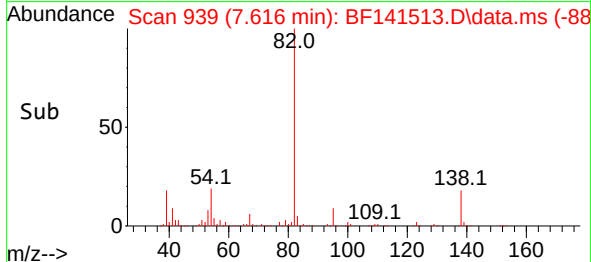
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion: 82 Resp: 55111
Ion Ratio Lower Upper
82 100
95 9.5 6.4 9.6
138 18.1 13.9 20.9

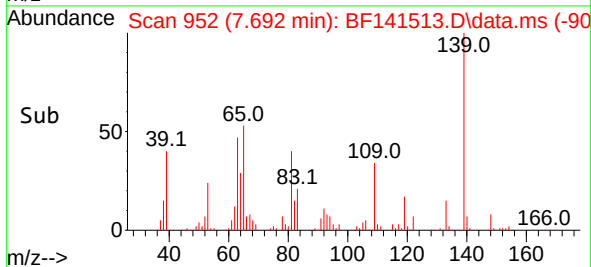
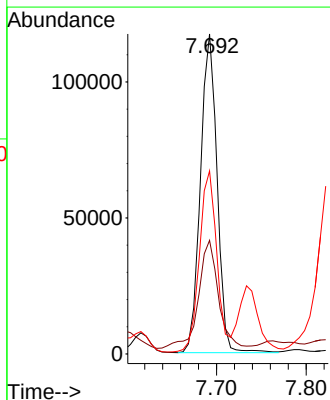
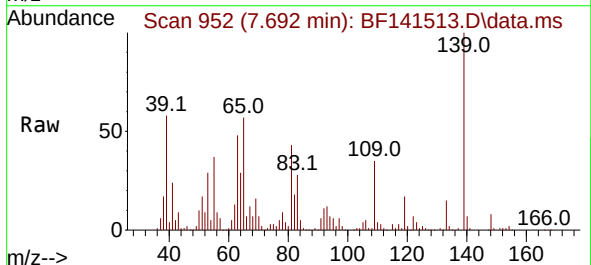
Manual Integrations
APPROVED

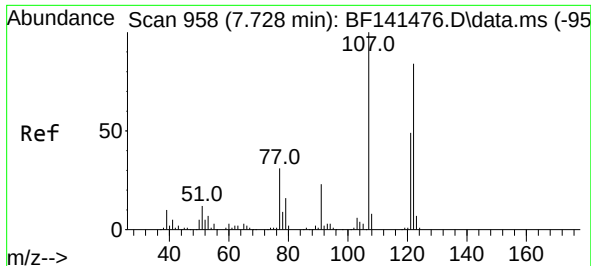
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#26
2-Nitrophenol
Concen: 45.494 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Tgt Ion:139 Resp: 150798
Ion Ratio Lower Upper
139 100
109 35.5 27.0 40.6
65 57.2 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 60.104 ng

RT: 7.733 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

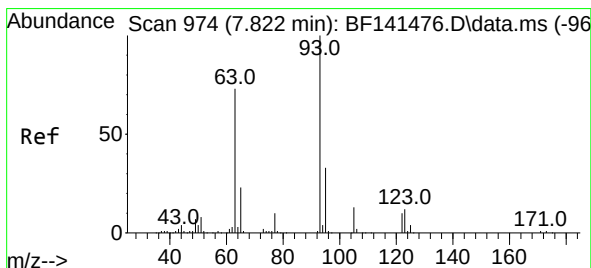
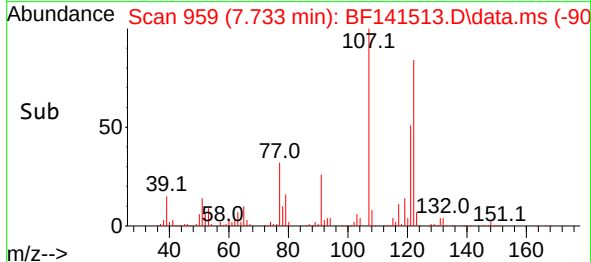
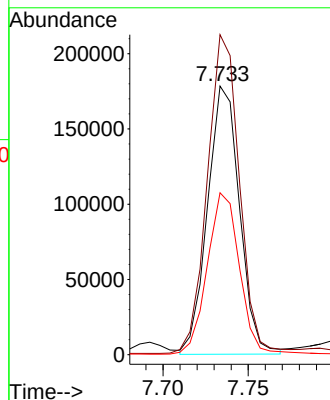
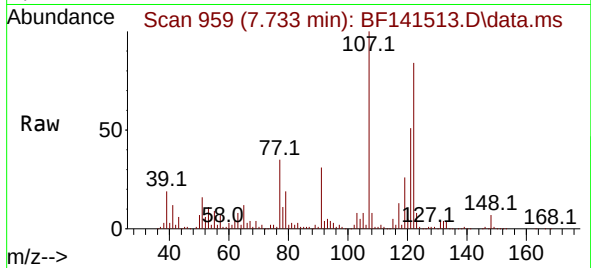
HR-01-020425MS

Tgt Ion:122 Resp: 23274
 Ion Ratio Lower Upper
 122 100
 107 119.1 94.3 141.5
 121 60.2 46.0 69.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#28

bis(2-Chloroethoxy)methane

Concen: 47.527 ng

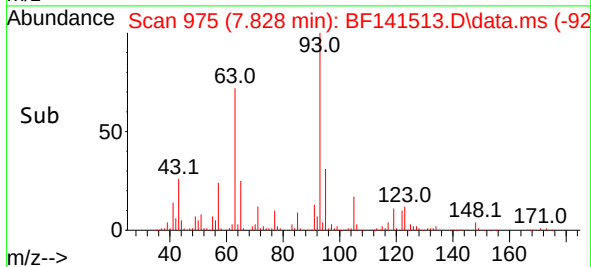
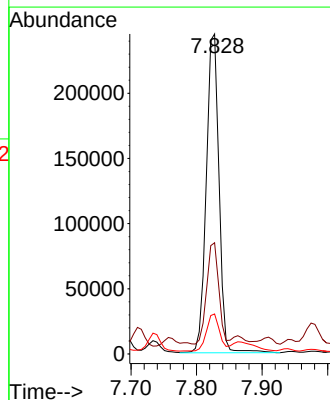
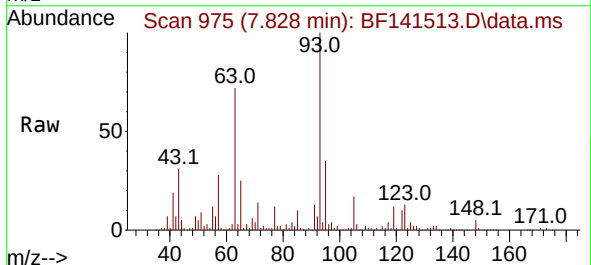
RT: 7.828 min Scan# 975

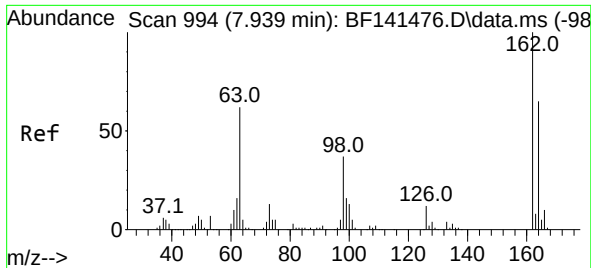
Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Tgt Ion: 93 Resp: 331773
 Ion Ratio Lower Upper
 93 100
 95 34.7 26.1 39.1
 123 12.5 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 46.746 ng

RT: 7.945 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

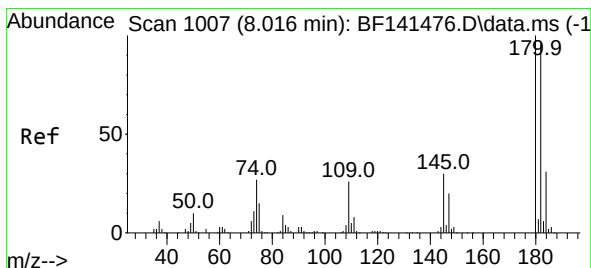
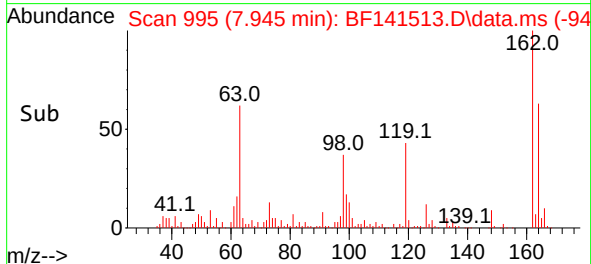
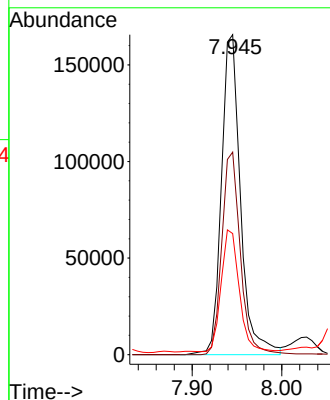
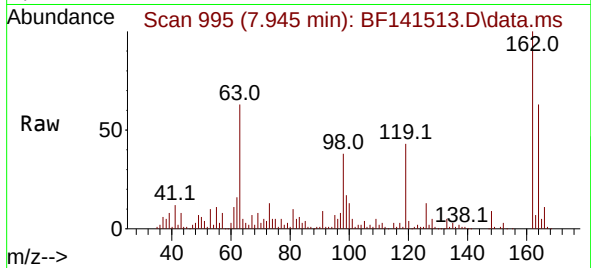
Tgt Ion:162 Resp: 244570
 Ion Ratio Lower Upper
 162 100
 164 63.3 44.6 84.6
 98 37.8 17.2 57.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#30

1,2,4-Trichlorobenzene

Concen: 45.004 ng

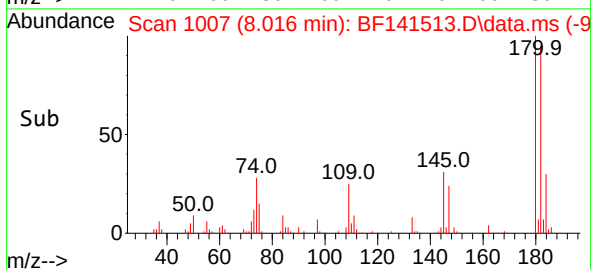
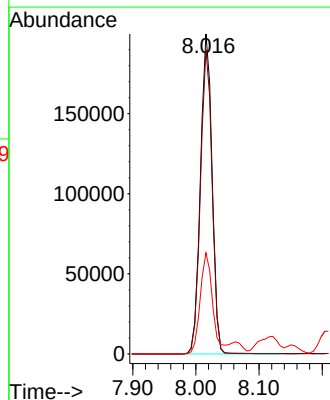
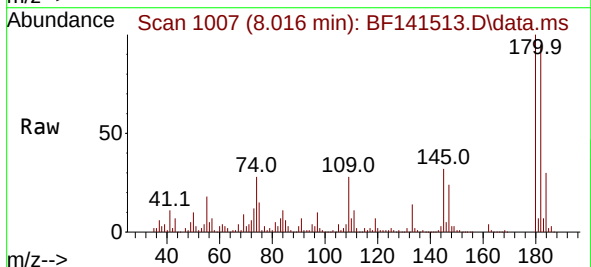
RT: 8.016 min Scan# 1007

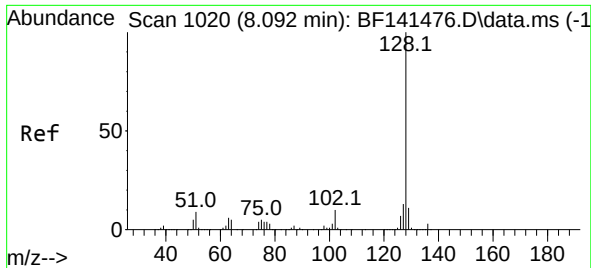
Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

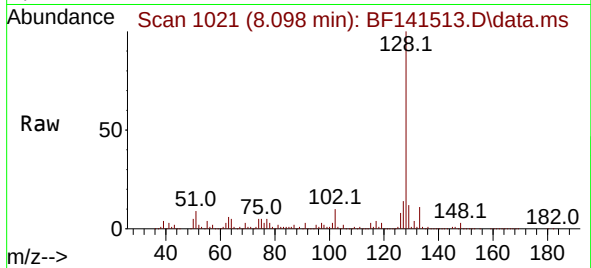
Tgt Ion:180 Resp: 256412
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.8 115.2
 145 31.6 24.2 36.4





#31
Naphthalene
Concen: 48.423 ng
RT: 8.098 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

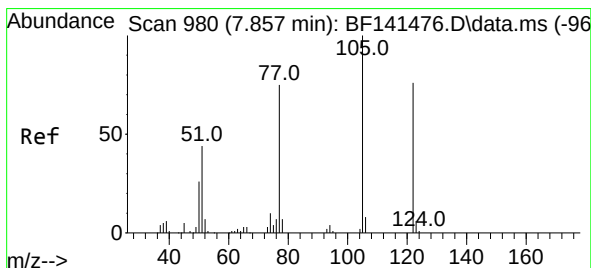
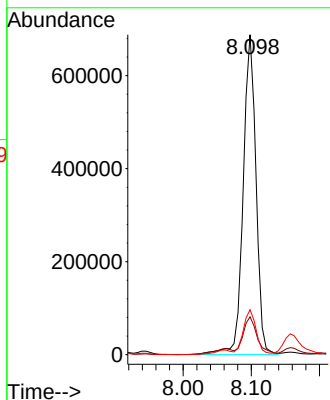
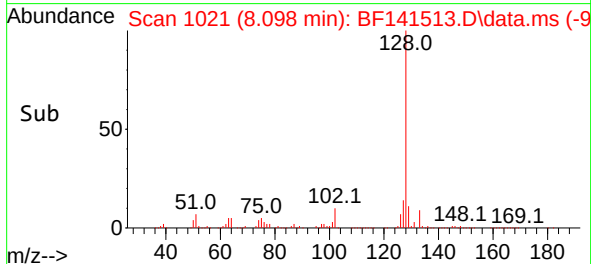
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:128 Resp: 898258
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 14.1 10.7 16.1

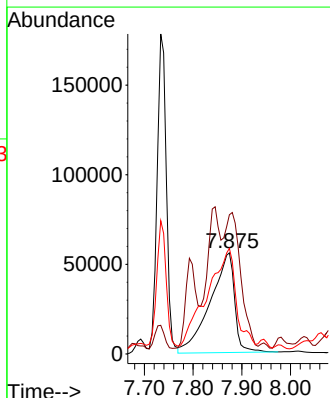
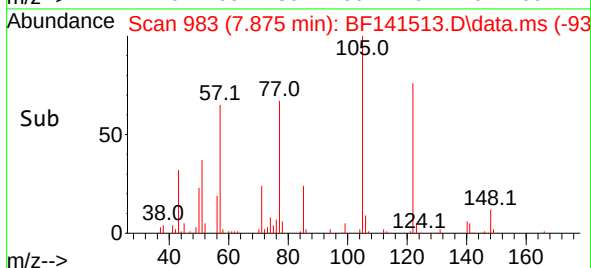
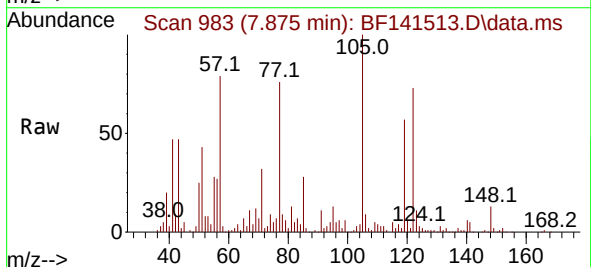
Manual Integrations
APPROVED

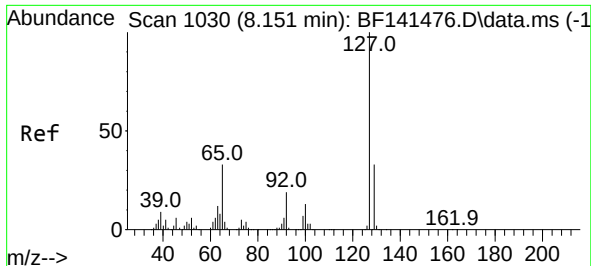
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#32
Benzoic acid
Concen: 48.062 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.018 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Tgt Ion:122 Resp: 193314
Ion Ratio Lower Upper
122 100
105 137.6 106.5 146.5
77 104.4 76.3 116.3





#33
4-Chloroaniline
Concen: 11.618 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

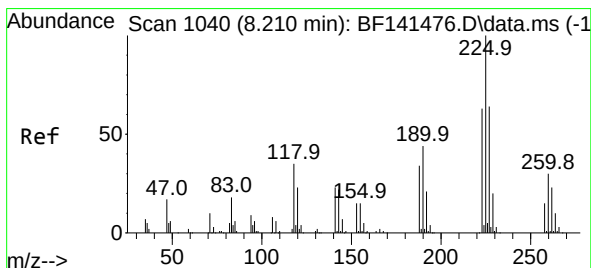
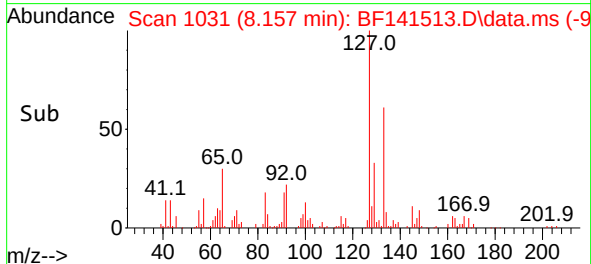
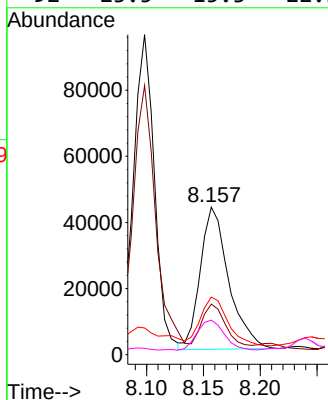
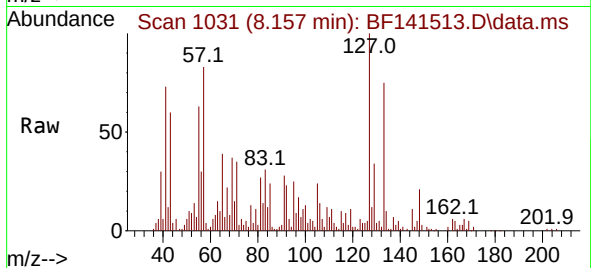
ClientSampleId :

HR-01-020425MS

Tgt Ion:127 Resp: 75240
Ion Ratio Lower Upper
127 100
129 34.3 26.5 39.7
65 39.1 26.4 39.6
92 23.5 15.3 22.9#

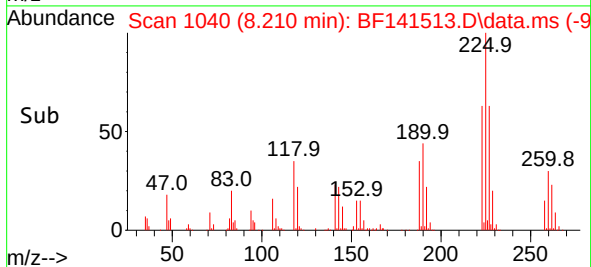
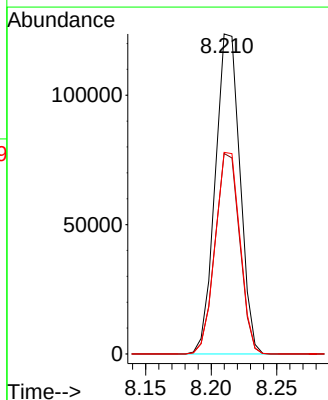
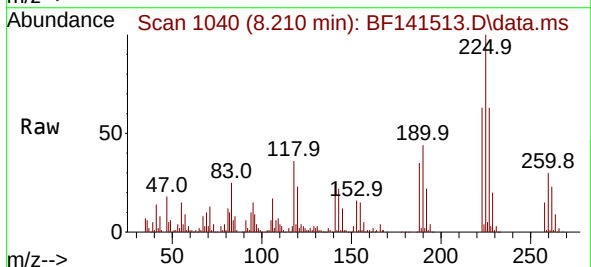
Manual Integrations
APPROVED

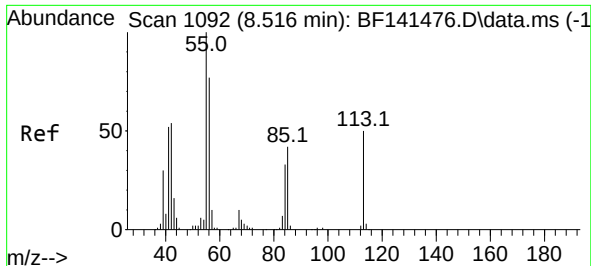
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#34
Hexachlorobutadiene
Concen: 47.325 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

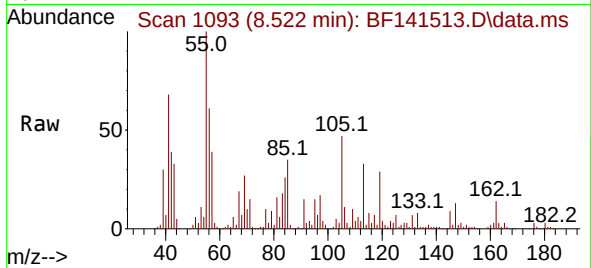
Tgt Ion:225 Resp: 161871
Ion Ratio Lower Upper
225 100
223 62.7 50.1 75.1
227 63.0 51.0 76.6





#35
Caprolactam
Concen: 69.605 ng m
RT: 8.522 min Scan# 1109
Delta R.T. -0.024 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

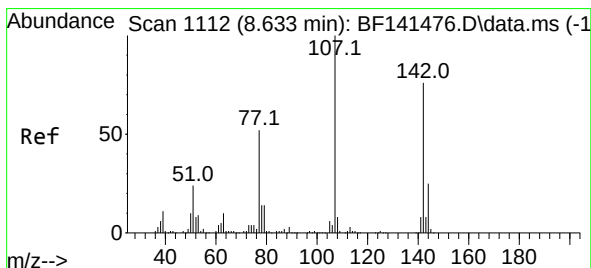
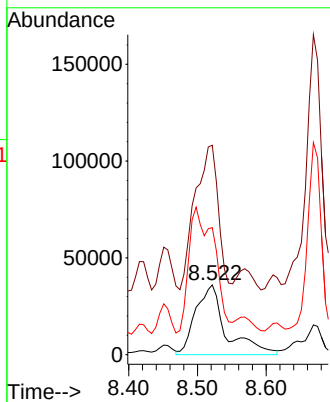
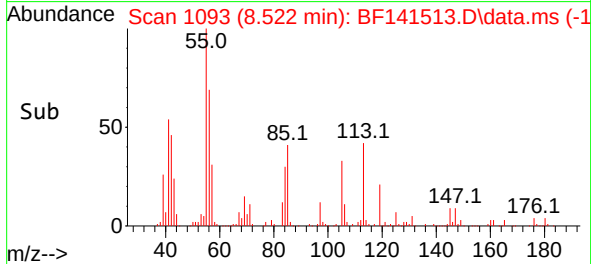
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:113 Resp: 11088
Ion Ratio Lower Upper
113 100
55 299.8 180.8 220.8
56 181.9 133.6 173.6

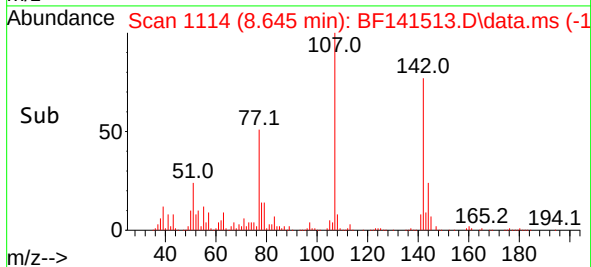
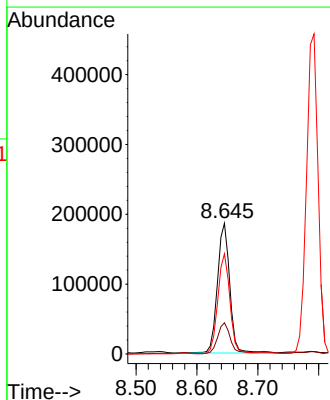
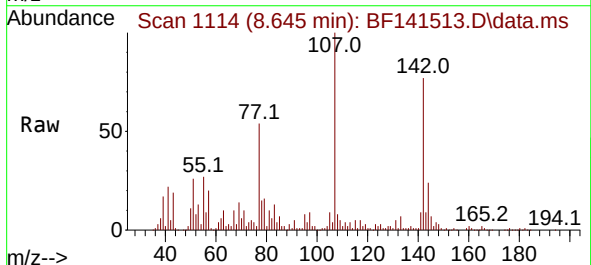
Manual Integrations
APPROVED

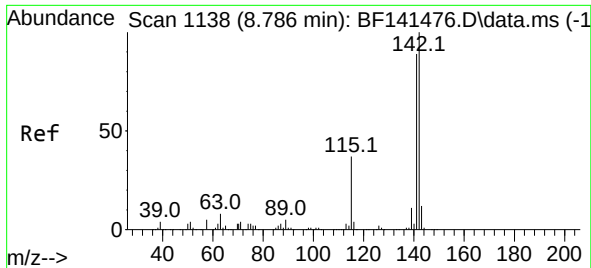
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#36
4-Chloro-3-methylphenol
Concen: 44.765 ng
RT: 8.645 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

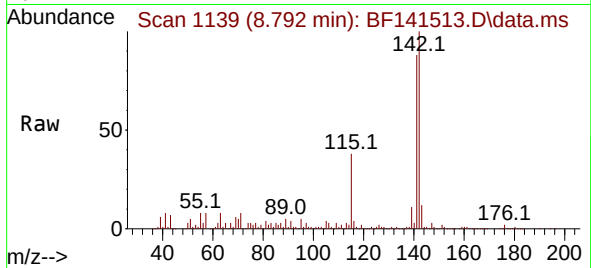
Tgt Ion:107 Resp: 259439
Ion Ratio Lower Upper
107 100
144 23.9 19.7 29.5
142 76.6 60.8 91.2





#37
2-Methylnaphthalene
Concen: 49.786 ng
RT: 8.792 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

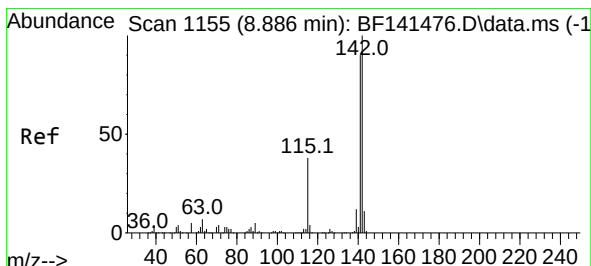
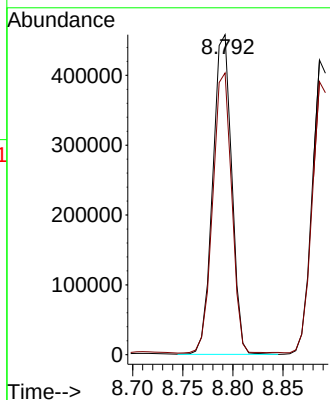
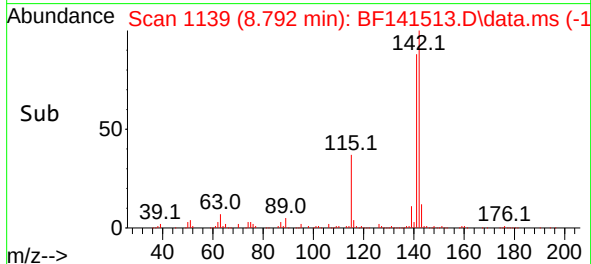
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:142 Resp: 600980
Ion Ratio Lower Upper
142 100
141 88.1 71.2 106.8

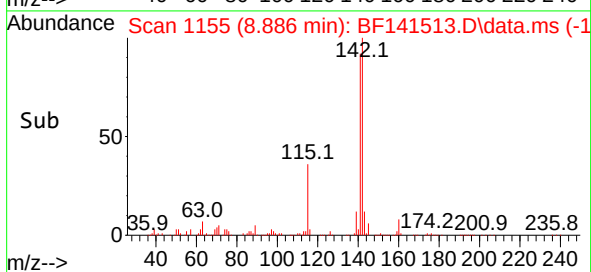
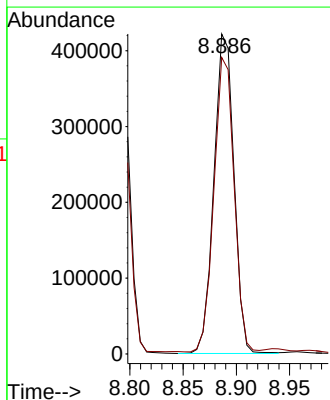
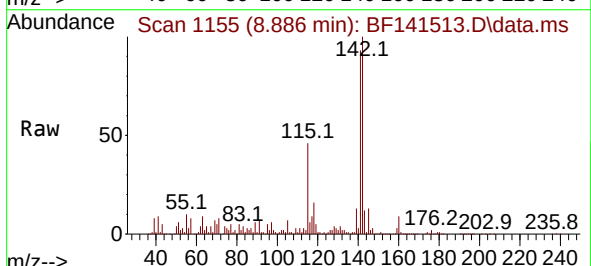
Manual Integrations
APPROVED

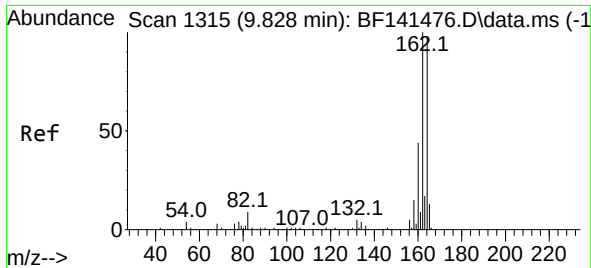
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#38
1-Methylnaphthalene
Concen: 47.141 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

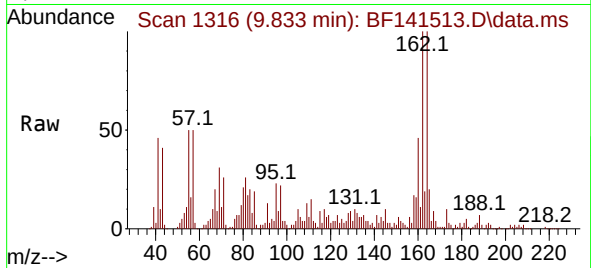
Tgt Ion:142 Resp: 551145
Ion Ratio Lower Upper
142 100
141 92.6 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

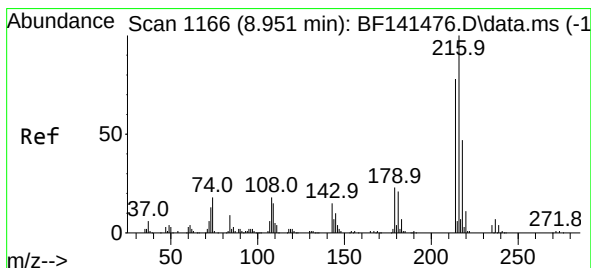
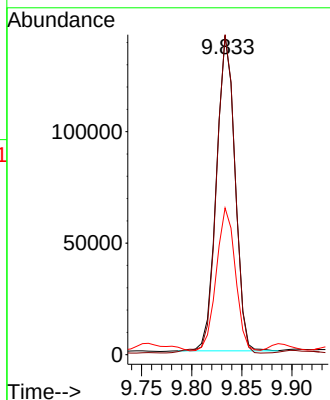
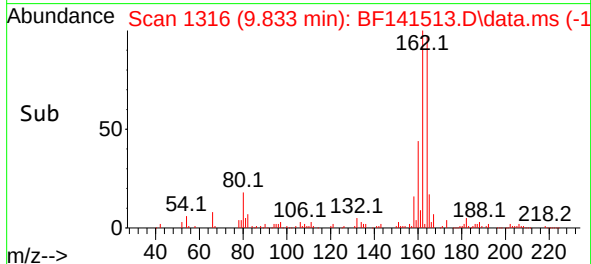
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



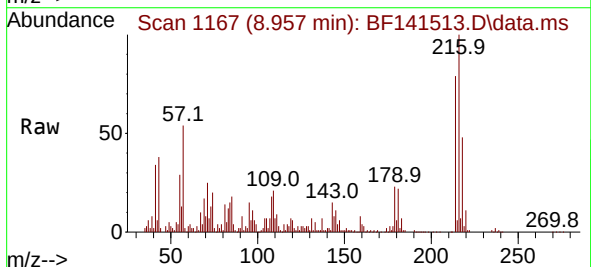
Tgt Ion:164 Resp: 182140
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 46.1 35.9 53.9

Manual Integrations
APPROVED

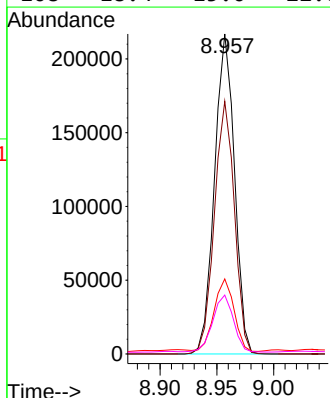
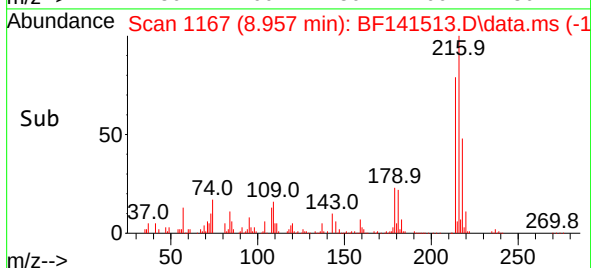
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

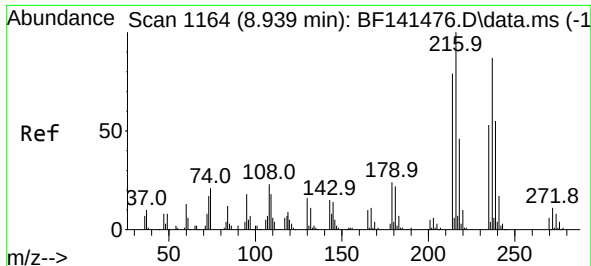


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.374 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



Tgt Ion:216 Resp: 265455
Ion Ratio Lower Upper
216 100
214 79.2 62.3 93.5
179 22.7 18.0 27.0
108 18.4 15.0 22.6





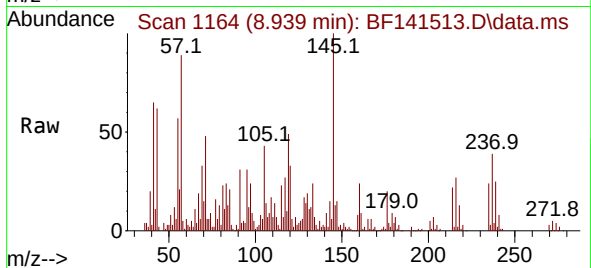
#41
Hexachlorocyclopentadiene
Concen: 21.928 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

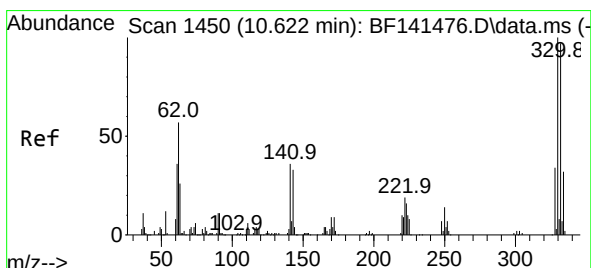
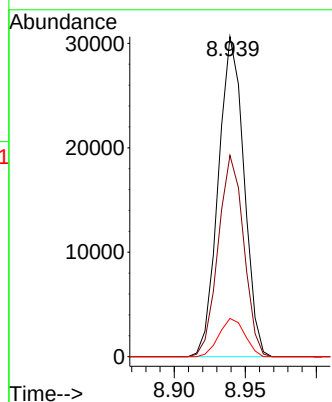
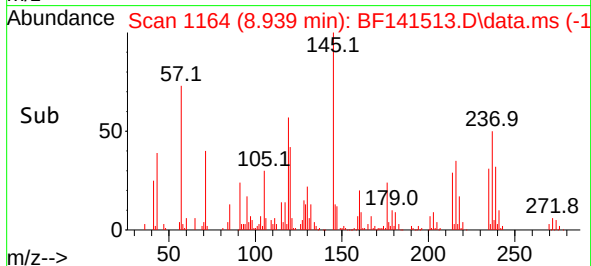


Tgt Ion: 237 Resp: 38434
Ion Ratio Lower Upper
237 100
235 62.9 41.4 81.4
272 11.9 0.0 32.4

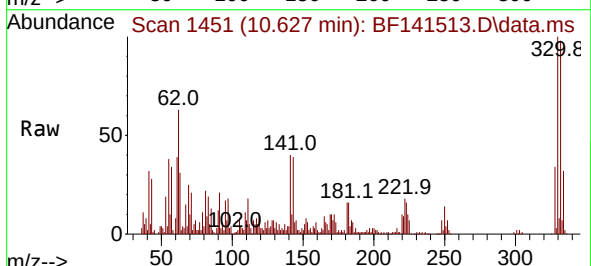
Manual Integrations

APPROVED

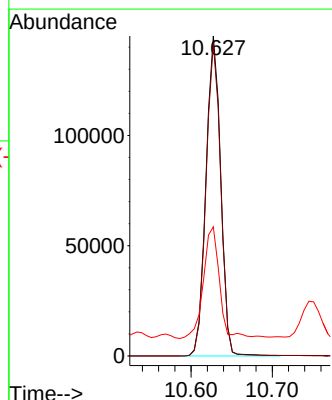
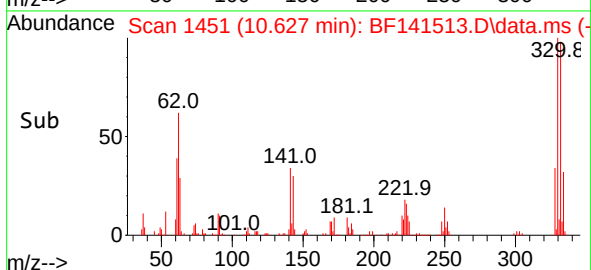
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

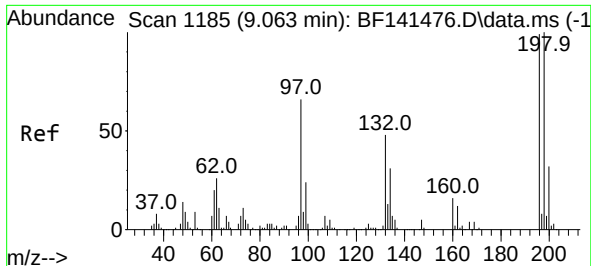


#42
2,4,6-Tribromophenol
Concen: 99.931 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



Tgt Ion: 330 Resp: 182848
Ion Ratio Lower Upper
330 100
332 97.3 78.5 117.7
141 36.8 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 46.743 ng

RT: 9.069 min Scan# 1185

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

Tgt Ion:196 Resp: 15920

Ion Ratio Lower Upper

196 100

198 100.3 80.6 121.0

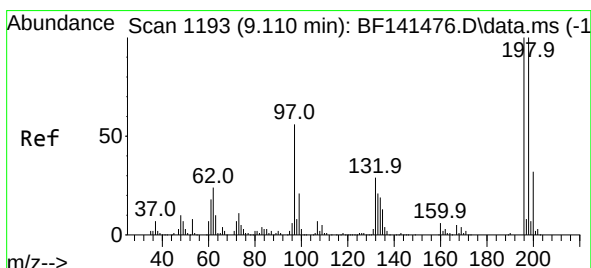
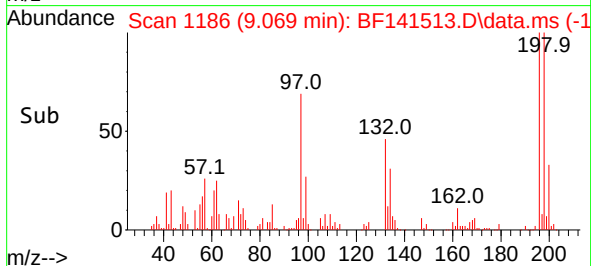
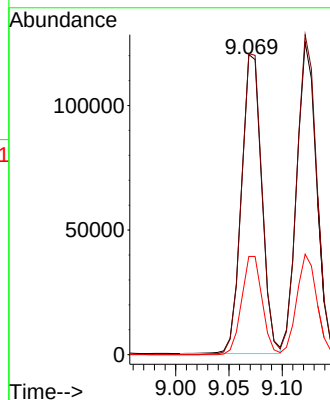
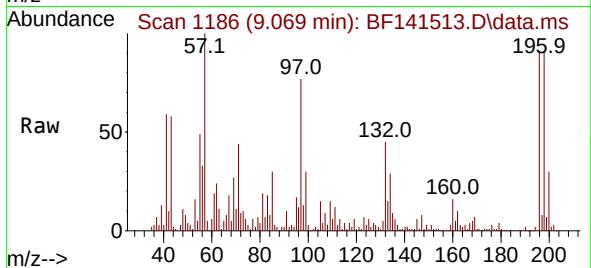
200 32.7 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#44

2,4,5-Trichlorophenol

Concen: 43.702 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Tgt Ion:196 Resp: 161313

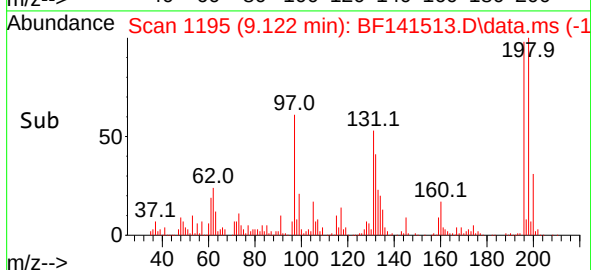
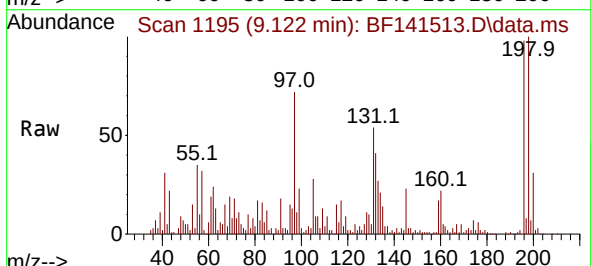
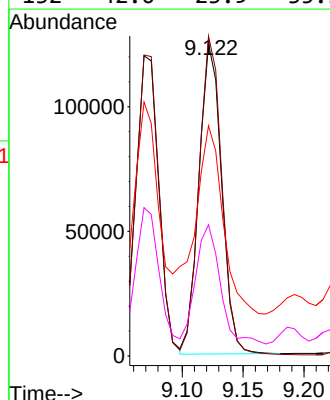
Ion Ratio Lower Upper

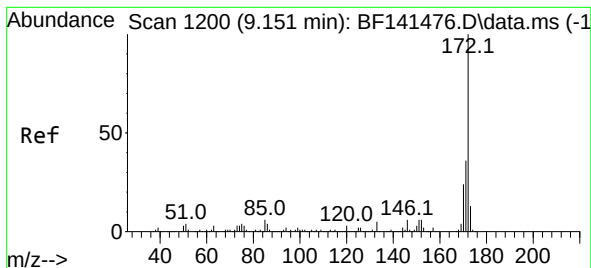
196 100

198 102.4 79.8 119.8

97 73.7 44.8 67.2#

132 42.0 23.9 35.9#





#45

2-Fluorobiphenyl

Concen: 78.649 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

Tgt Ion:172 Resp: 92984

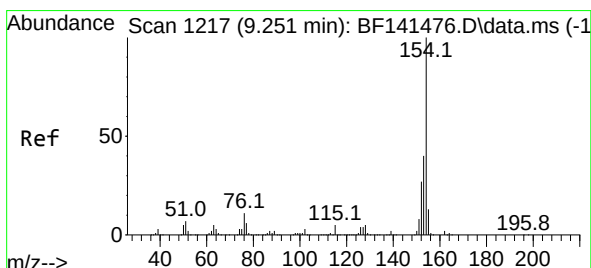
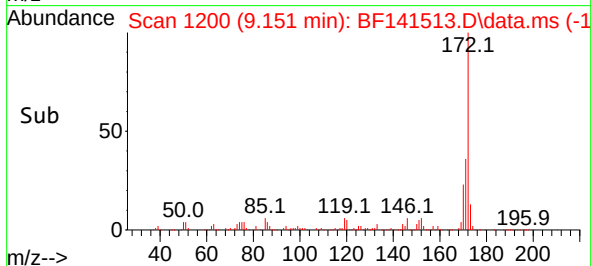
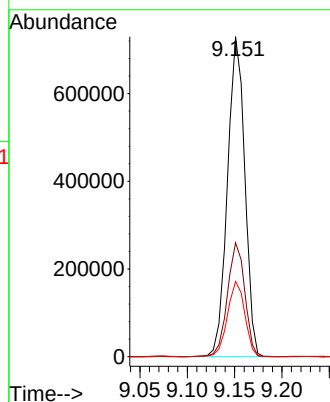
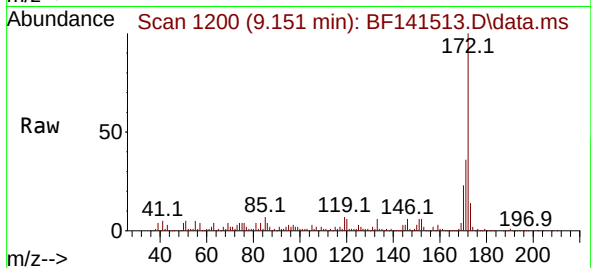
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.5	18.9	28.3

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#46

1,1'-Biphenyl

Concen: 52.717 ng

RT: 9.257 min Scan# 1218

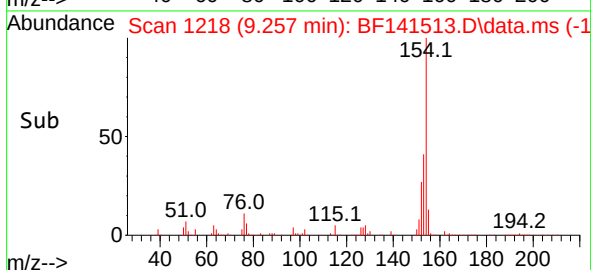
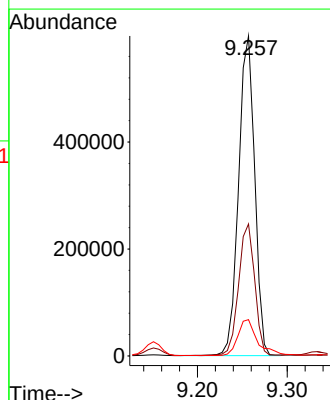
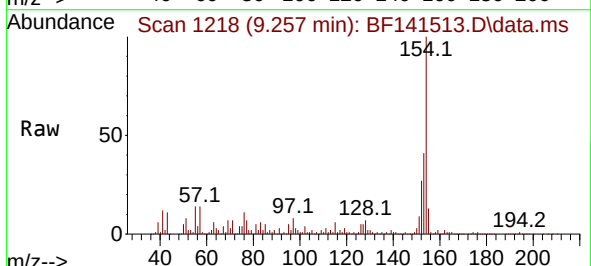
Delta R.T. -0.000 min

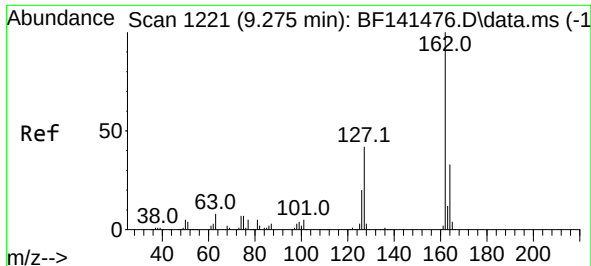
Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Tgt Ion:154 Resp: 744433

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.4	60.4
76	11.4	0.0	30.8





#47

2-Chloronaphthalene

Concen: 45.622 ng

RT: 9.280 min Scan# 1221

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

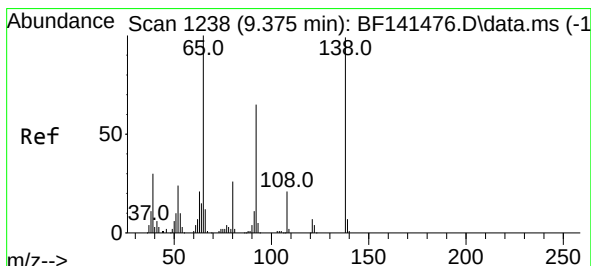
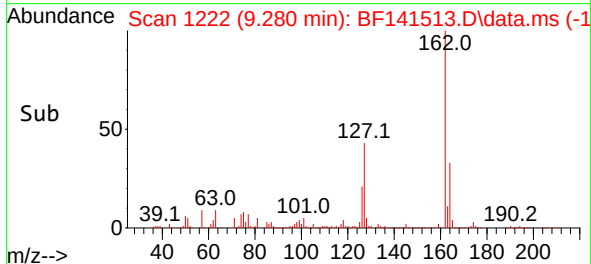
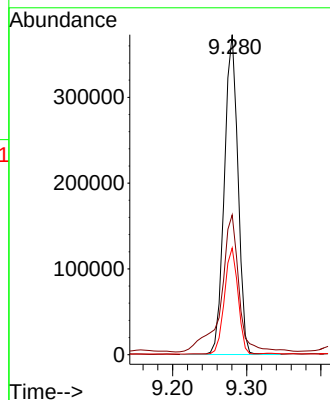
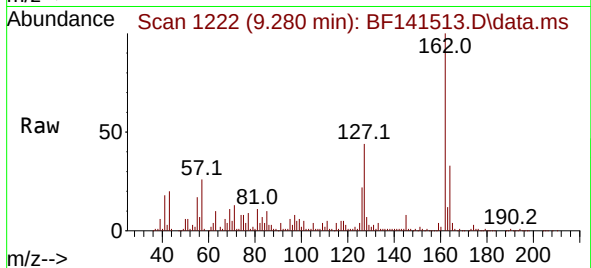
Tgt Ion:162 Resp: 47640
 Ion Ratio Lower Upper
 162 100
 127 43.7 34.1 51.1
 164 33.4 26.3 39.5

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#48

2-Nitroaniline

Concen: 48.776 ng

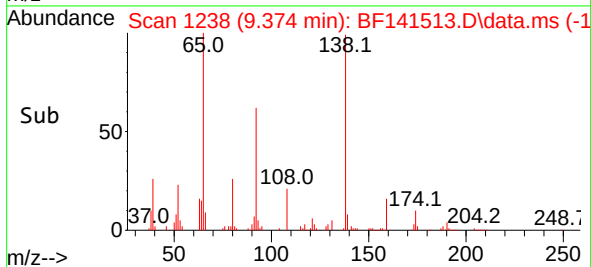
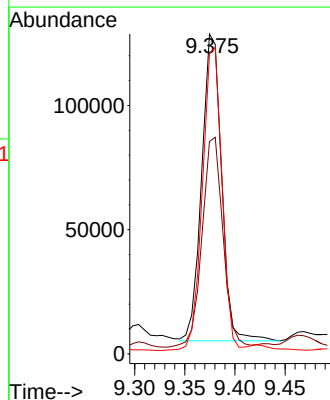
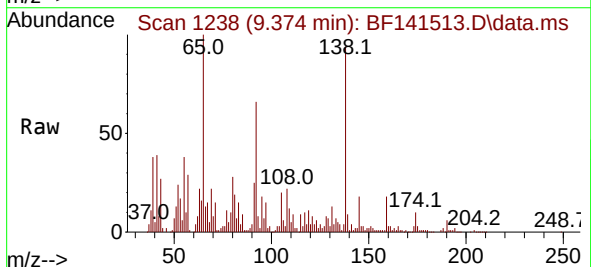
RT: 9.374 min Scan# 1238

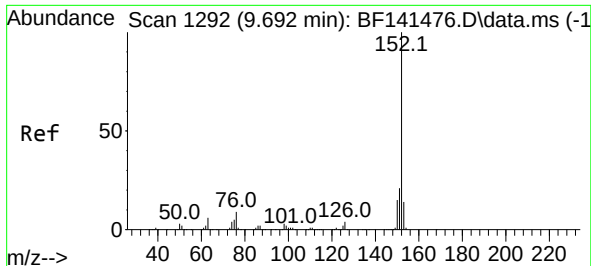
Delta R.T. -0.006 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

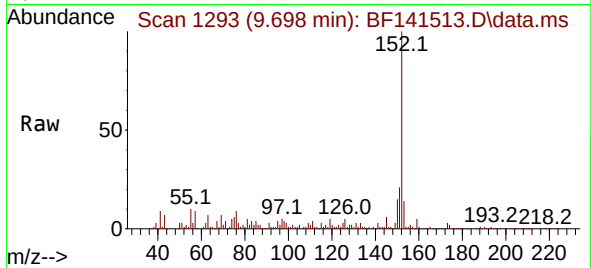
Tgt Ion: 65 Resp: 170934
 Ion Ratio Lower Upper
 65 100
 92 66.4 52.2 78.2
 138 93.8 79.5 119.3





#49
Acenaphthylene
Concen: 47.298 ng
RT: 9.698 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

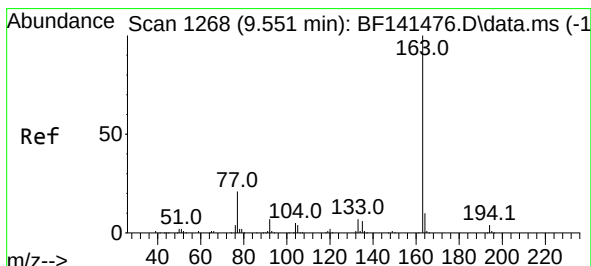
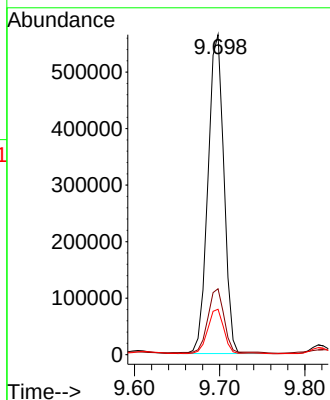
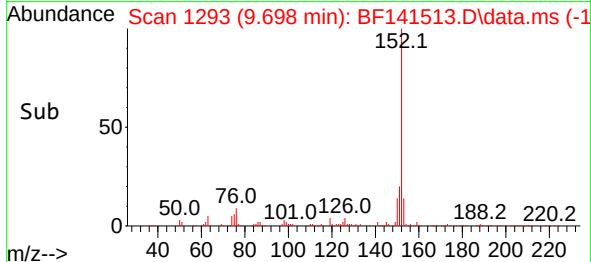
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



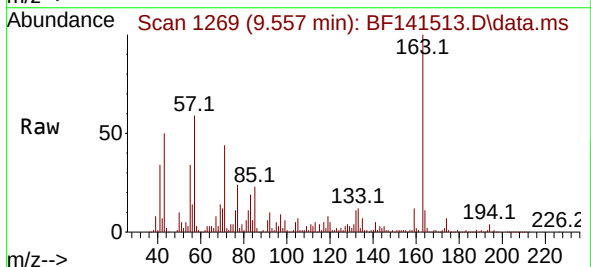
Tgt Ion:152 Resp: 73462
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 14.2 10.9 16.3

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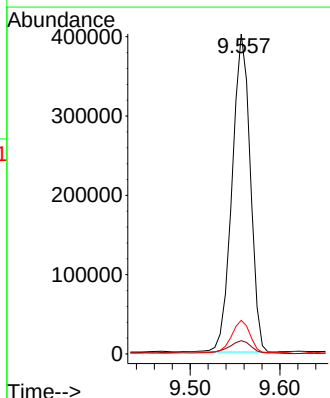
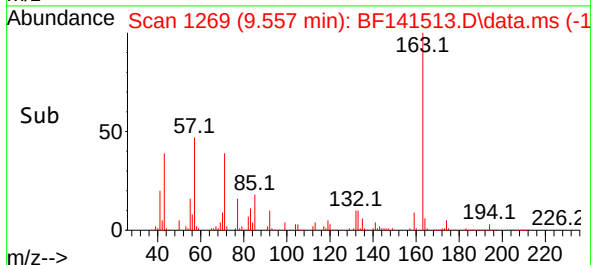
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

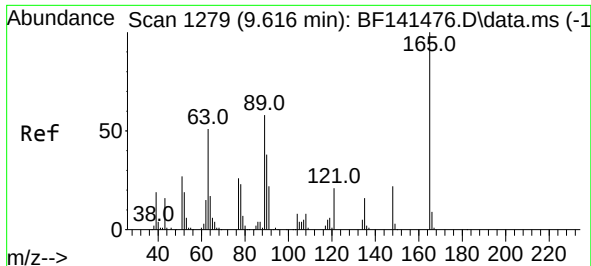


#50
Dimethylphthalate
Concen: 45.582 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



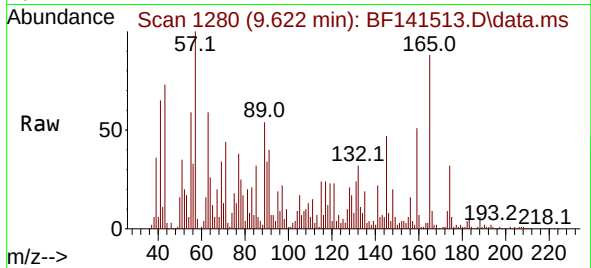
Tgt Ion:163 Resp: 563639
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.4
164 10.5 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 44.184 ng
RT: 9.622 min Scan# 11943
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

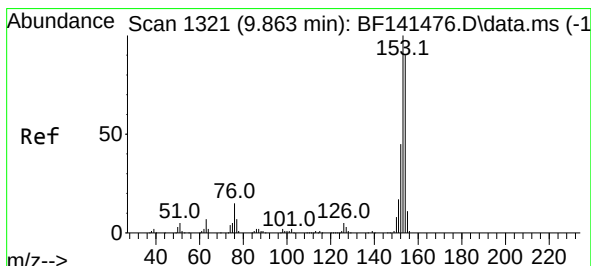
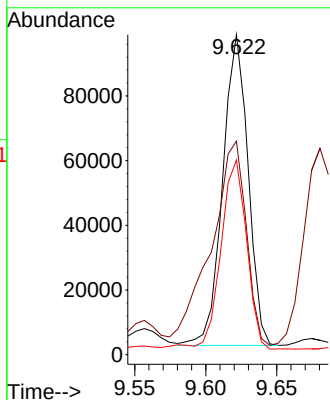
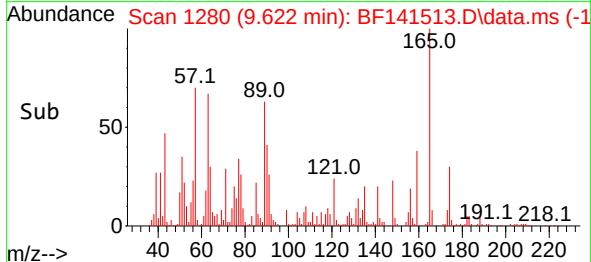
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:165 Resp: 11943
Ion Ratio Lower Upper
165 100
63 66.7 49.4 74.0
89 60.8 46.5 69.7

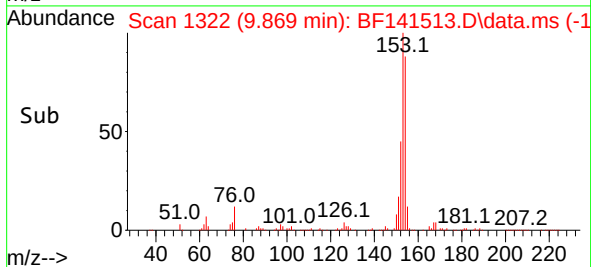
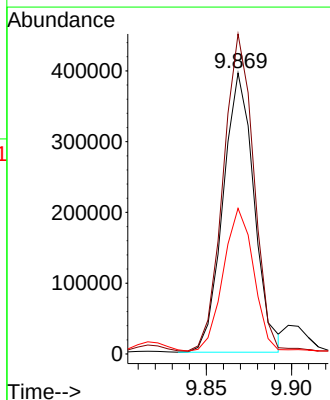
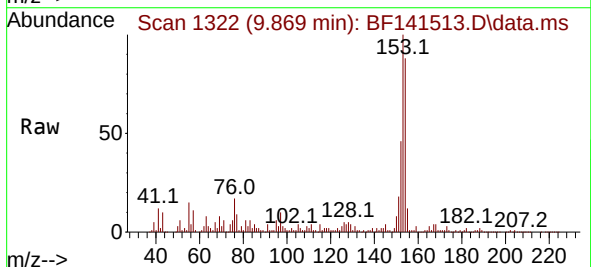
Manual Integrations
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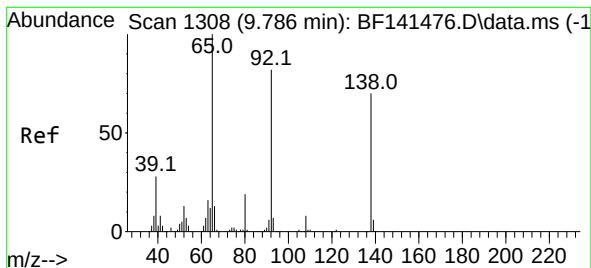
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#52
Acenaphthene
Concen: 47.818 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Tgt Ion:154 Resp: 499306
Ion Ratio Lower Upper
154 100
153 113.9 89.2 133.8
152 51.8 39.8 59.8





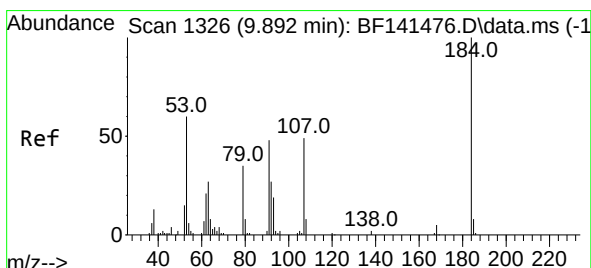
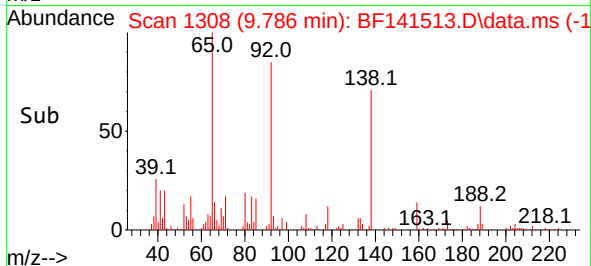
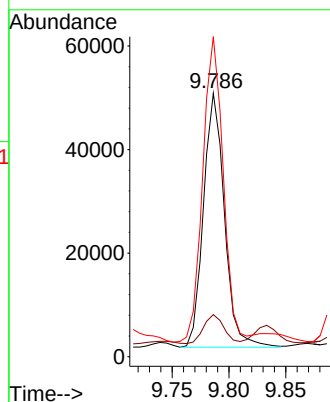
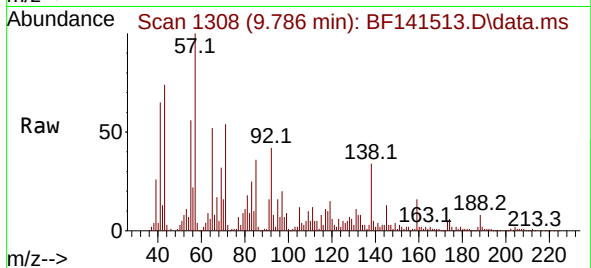
#53
3-Nitroaniline
Concen: 21.662 ng
RT: 9.786 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS

Tgt Ion:138 Resp: 6302
Ion Ratio Lower Upper
138 100
108 16.0 9.0 13.4
92 121.4 93.7 140.5

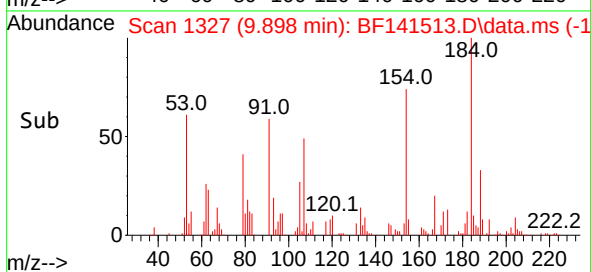
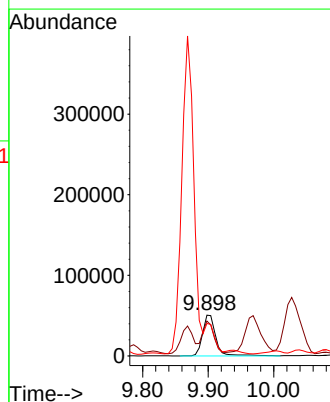
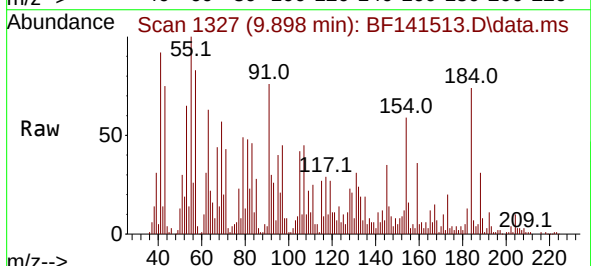
Manual Integrations
APPROVED

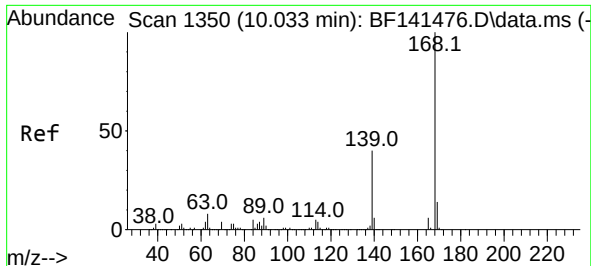
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#54
2,4-Dinitrophenol
Concen: 44.555 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

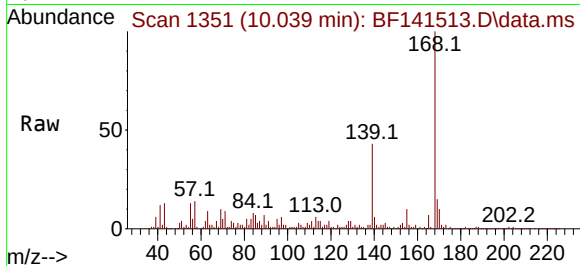
Tgt Ion:184 Resp: 71581
Ion Ratio Lower Upper
184 100
63 85.6 61.0 91.6
154 79.7 59.9 89.9





#55
Dibenzenofuran
Concen: 43.924 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

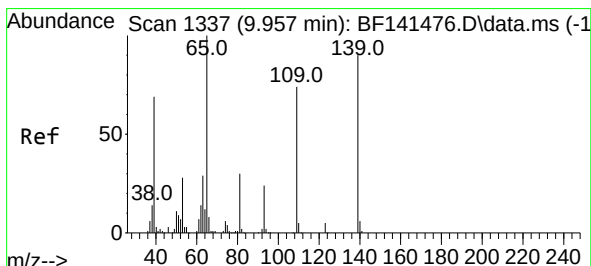
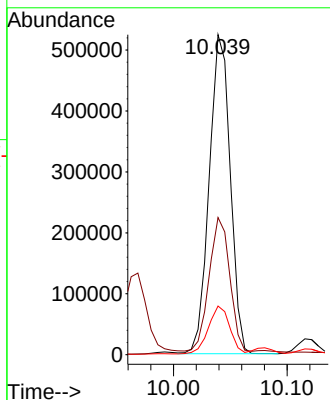
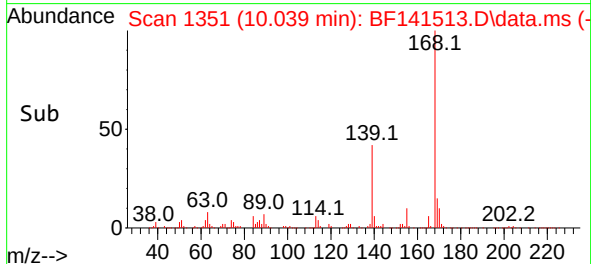
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



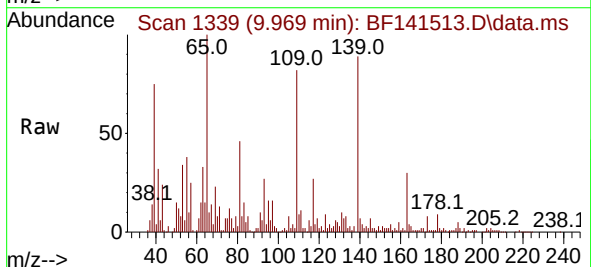
Tgt Ion:168 Resp: 673218
Ion Ratio Lower Upper
168 100
139 42.8 32.7 49.1
169 15.2 10.8 16.2

Manual Integrations
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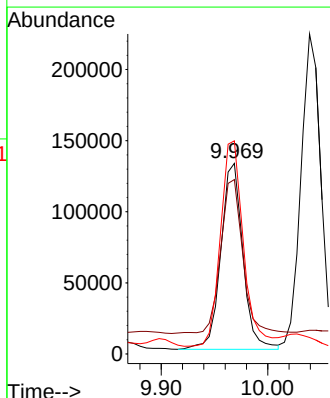
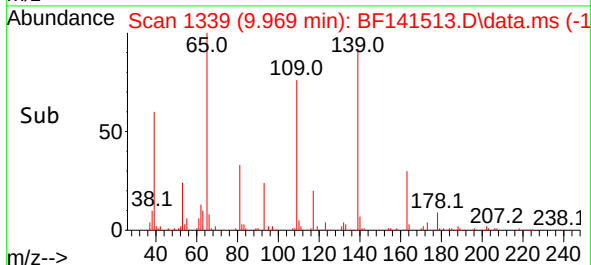
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

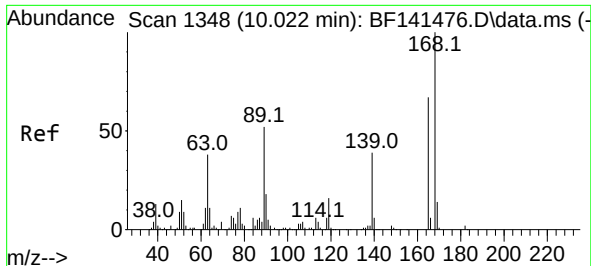


#56
4-Nitrophenol
Concen: 87.326 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



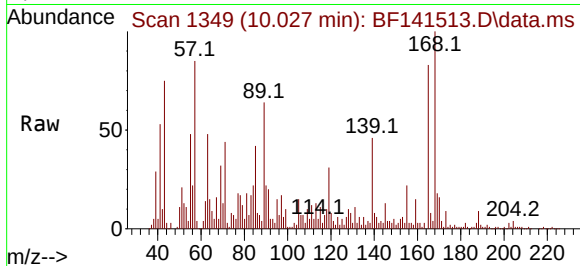
Tgt Ion:139 Resp: 188603
Ion Ratio Lower Upper
139 100
109 91.5 62.0 102.0
65 111.8 91.2 131.2





#57
2,4-Dinitrotoluene
Concen: 44.364 ng
RT: 10.027 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

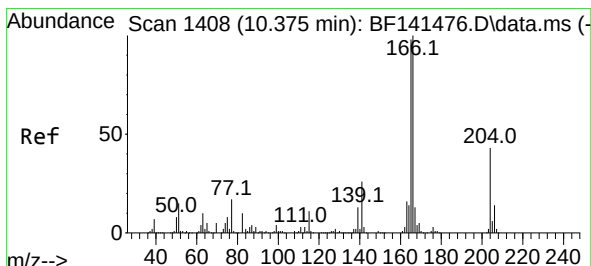
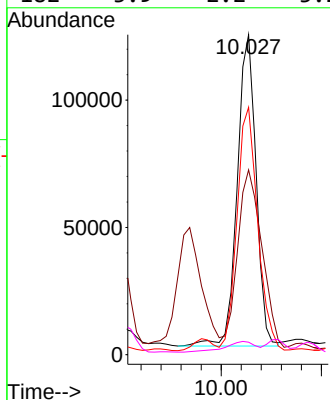
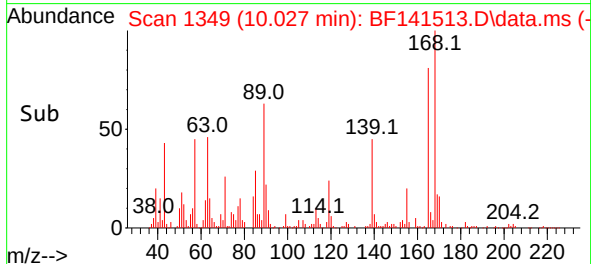
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:165 Resp: 15964
Ion Ratio Lower Upper
165 100
63 57.8 46.4 69.6
89 77.3 61.8 92.6
182 3.9 2.2 3.2#

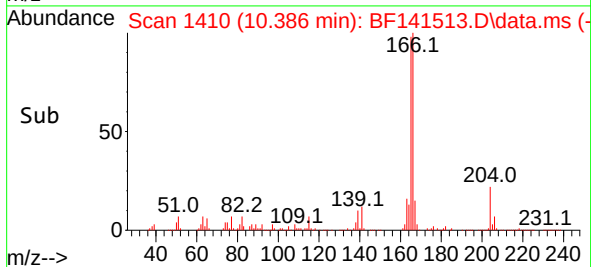
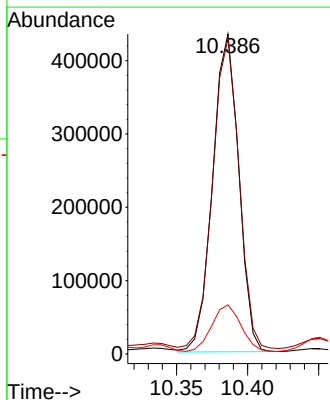
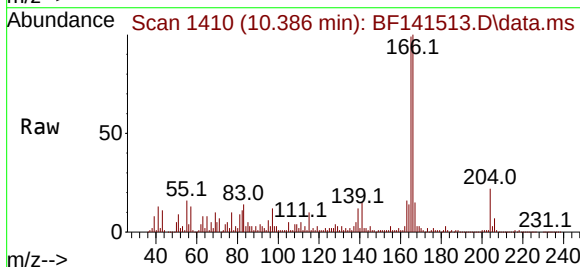
Manual Integrations
APPROVED

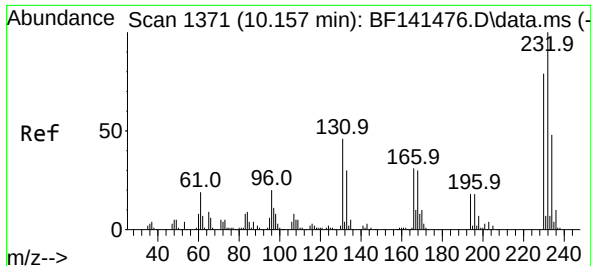
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#58
Fluorene
Concen: 46.722 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

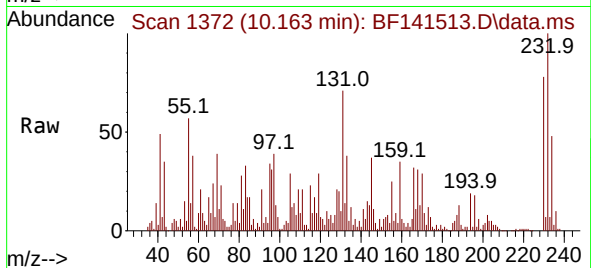
Tgt Ion:166 Resp: 553693
Ion Ratio Lower Upper
166 100
165 98.6 78.2 117.2
167 15.4 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.538 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

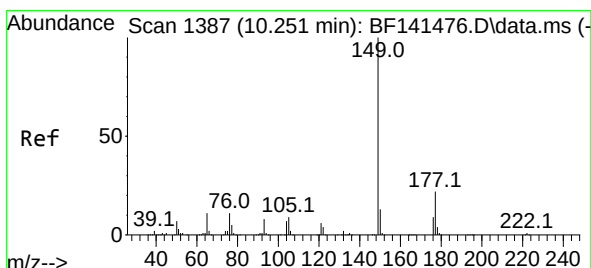
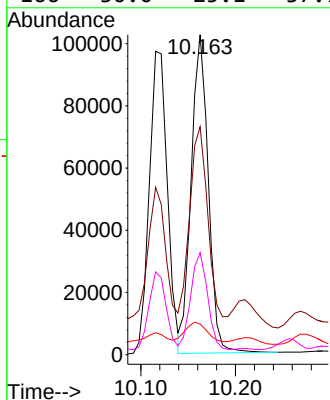
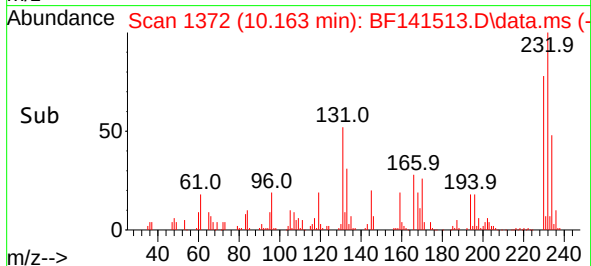
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:232 Resp: 128824
Ion Ratio Lower Upper
232 100
131 64.1 39.2 58.8
130 8.1 2.1 3.1
166 30.0 25.1 37.7

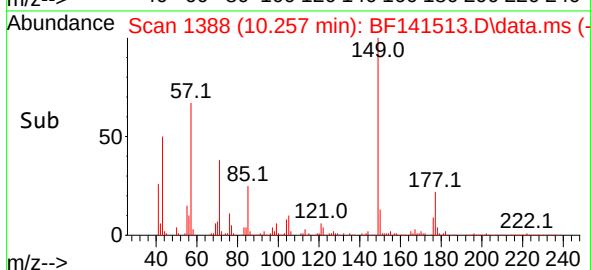
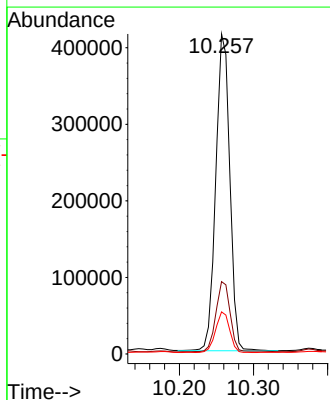
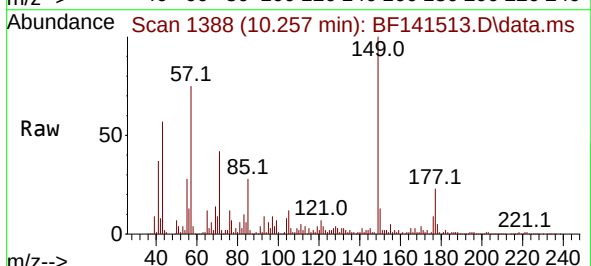
Manual Integrations
APPROVED

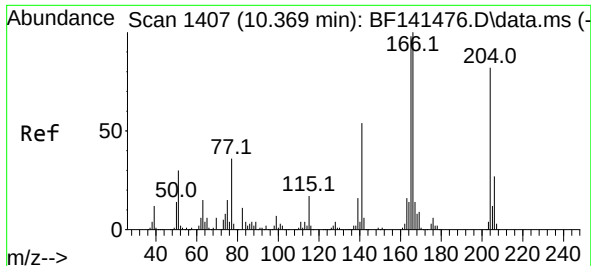
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#60
Diethylphthalate
Concen: 44.584 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

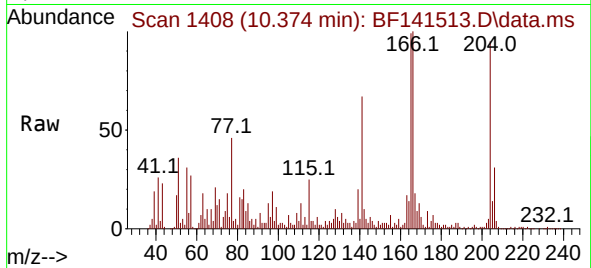
Tgt Ion:149 Resp: 542418
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.6
150 13.2 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.289 ng
RT: 10.374 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

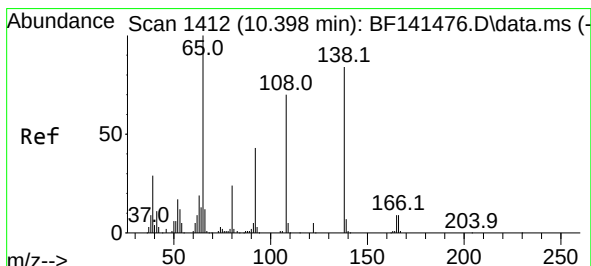
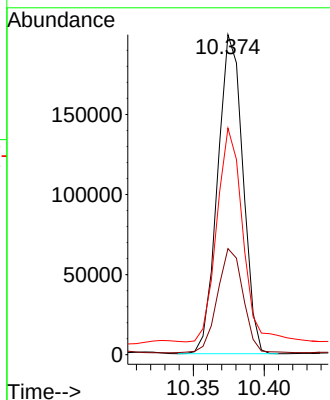
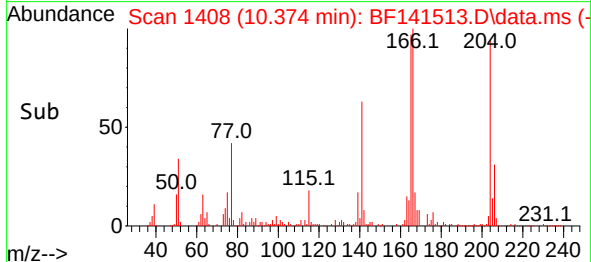
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:204 Resp: 24680
Ion Ratio Lower Upper
204 100
206 33.2 26.6 40.0
141 70.8 51.9 77.9

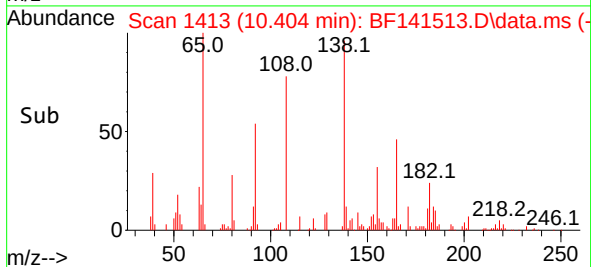
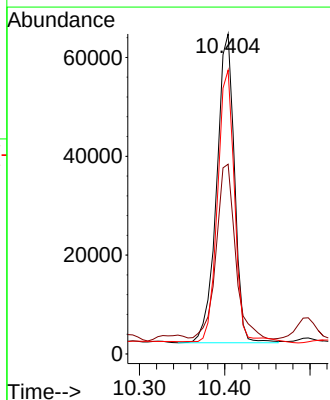
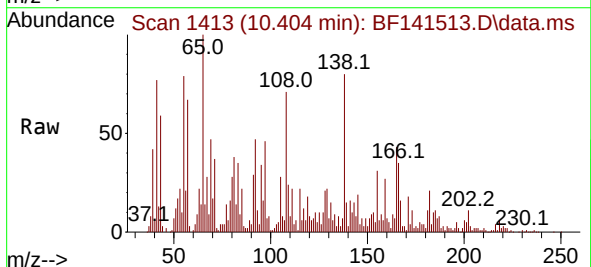
Manual Integrations
APPROVED

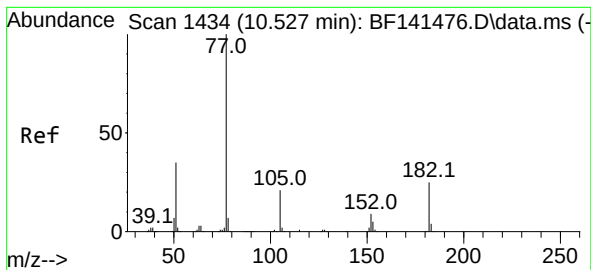
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#62
4-Nitroaniline
Concen: 30.721 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

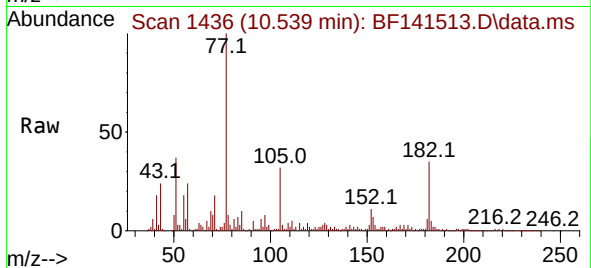
Tgt Ion:138 Resp: 90759
Ion Ratio Lower Upper
138 100
92 59.3 31.3 71.3
108 88.7 63.7 103.7





#63
Azobenzene
Concen: 48.462 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

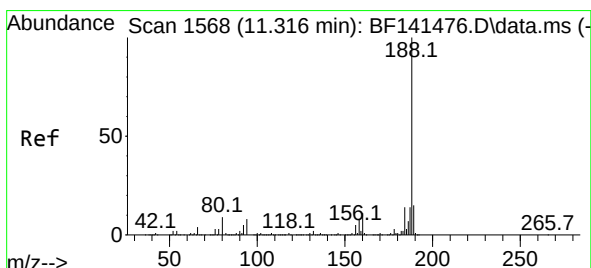
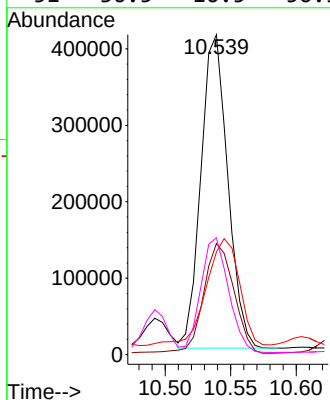
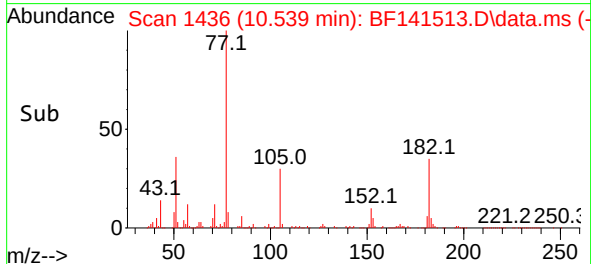
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



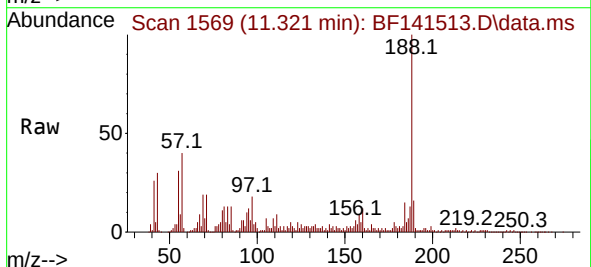
Tgt Ion: 77 Resp: 586130
Ion Ratio Lower Upper
77 100
182 34.8 4.7 44.7
105 32.1 0.4 40.4
51 36.5 16.5 56.5

Manual Integrations
APPROVED

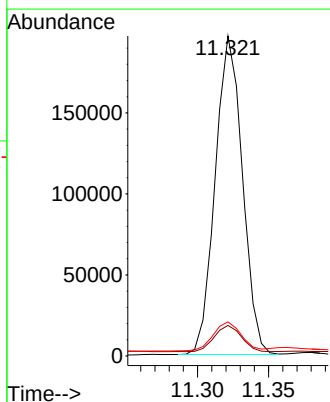
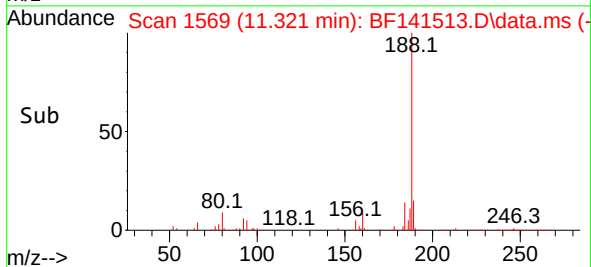
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

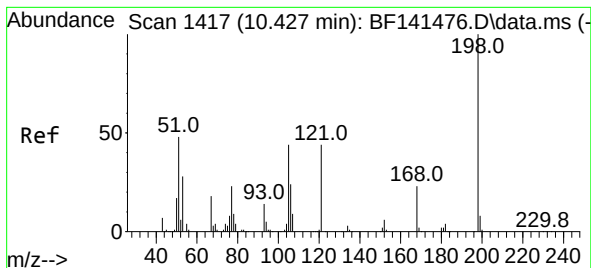


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



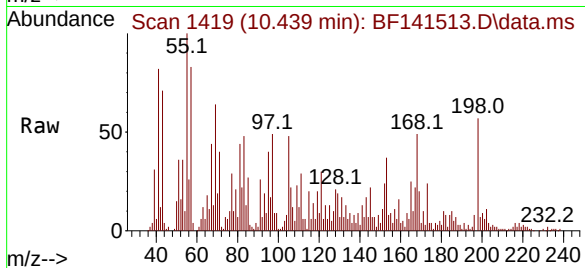
Tgt Ion:188 Resp: 262167
Ion Ratio Lower Upper
188 100
94 9.6 6.6 10.0
80 10.7 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 26.158 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

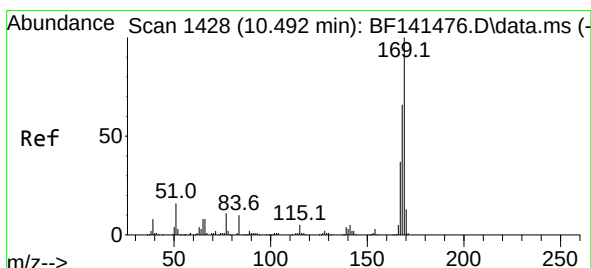
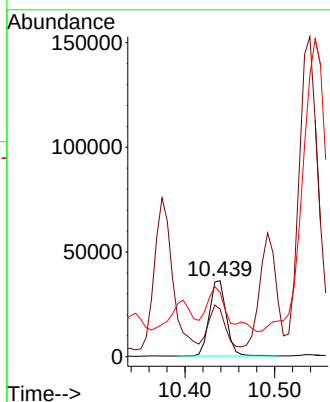
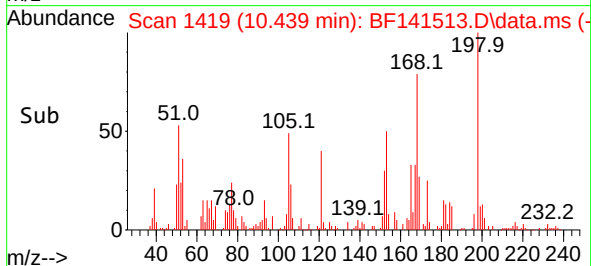
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



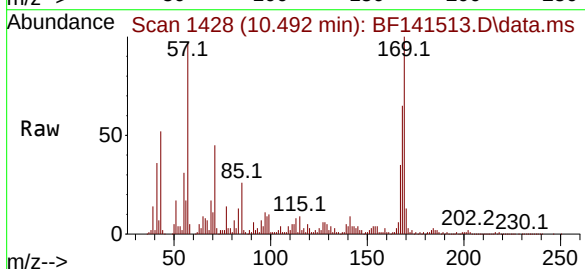
Tgt Ion:198 Resp: 47638
Ion Ratio Lower Upper
198 100
51 62.5 37.4 77.4
105 84.6 25.2 65.2

Manual Integrations
APPROVED

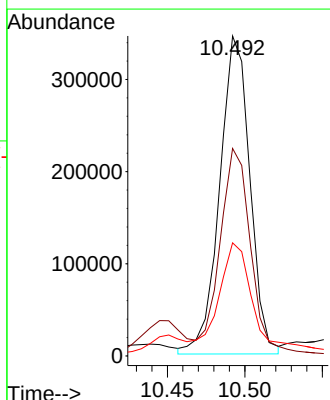
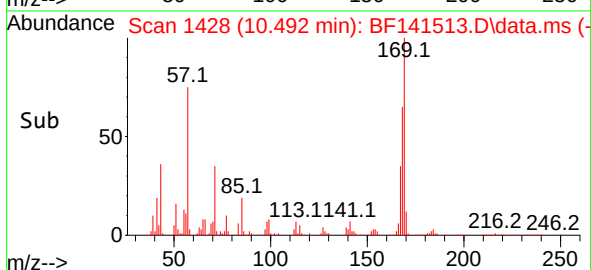
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

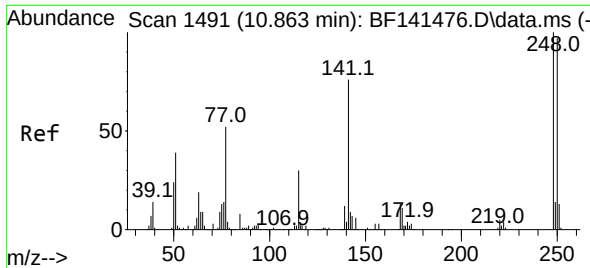


#66
n-Nitrosodiphenylamine
Concen: 55.736 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



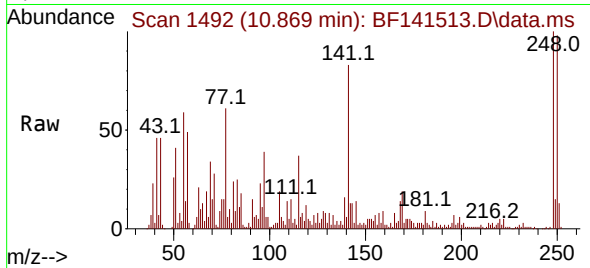
Tgt Ion:169 Resp: 467745
Ion Ratio Lower Upper
169 100
168 64.8 53.3 79.9
167 35.4 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 50.249 ng
RT: 10.869 min Scan# 1491
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

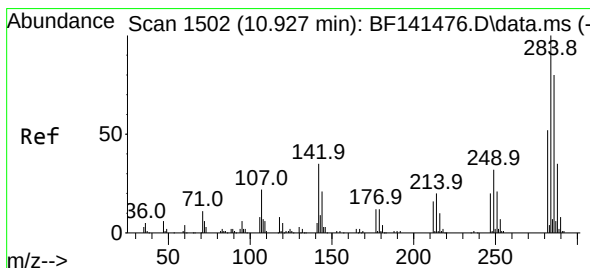
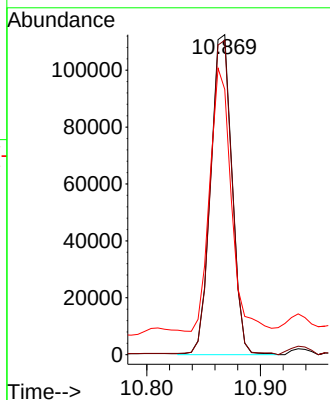
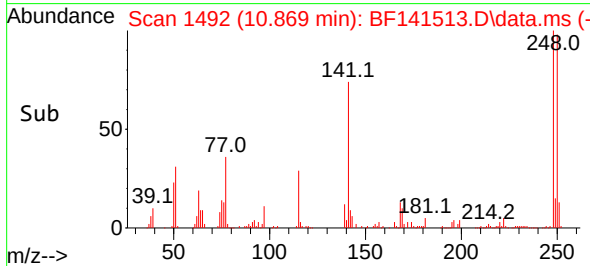
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



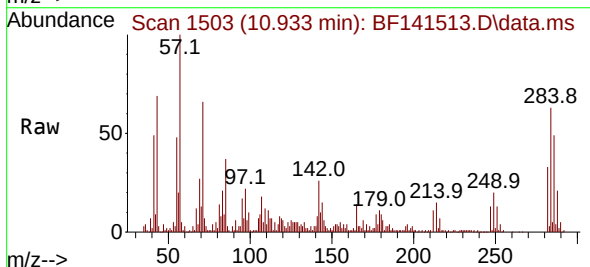
Tgt Ion:248 Resp: 14723
Ion Ratio Lower Upper
248 100
250 98.2 77.8 116.6
141 82.9 60.6 90.8

Manual Integrations
APPROVED

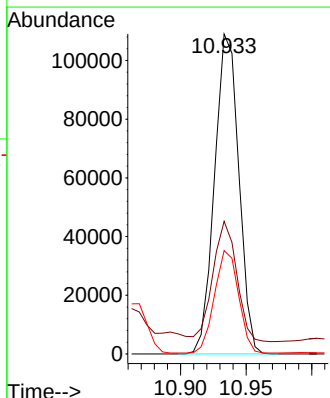
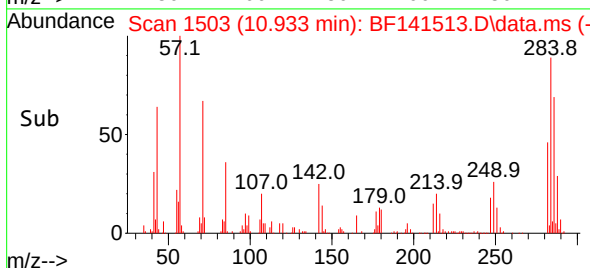
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

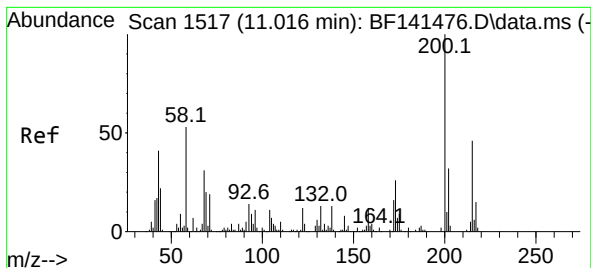


#68
Hexachlorobenzene
Concen: 46.442 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



Tgt Ion:284 Resp: 140122
Ion Ratio Lower Upper
284 100
142 41.4 28.0 42.0
249 32.3 25.8 38.8





#69

Atrazine

Concen: 69.115 ng

RT: 11.027 min Scan# 1519

Delta R.T. 0.006 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

Tgt Ion:200 Resp: 174009

Ion Ratio Lower Upper

200 100

173 26.8 5.9 45.9

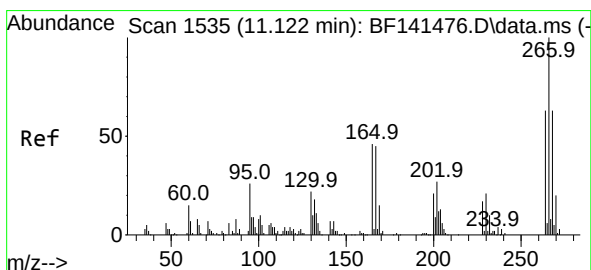
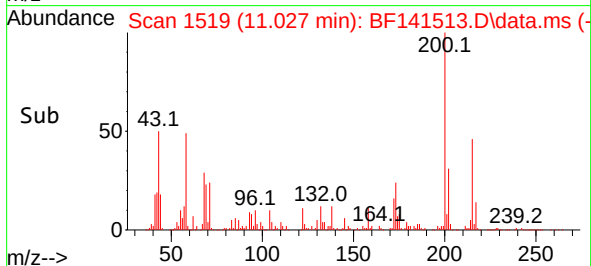
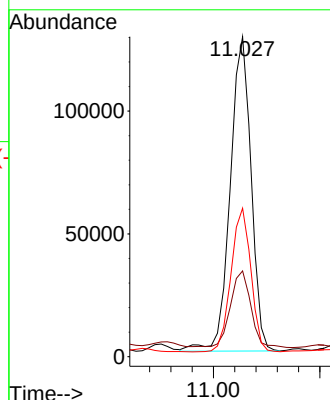
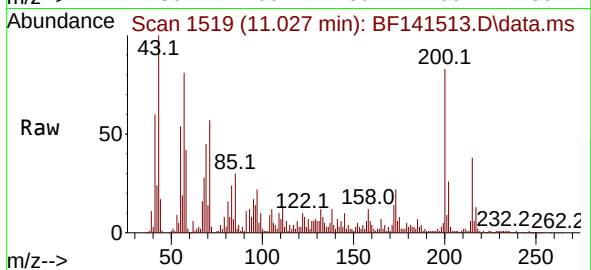
215 46.4 25.9 65.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#70

Pentachlorophenol

Concen: 90.022 ng

RT: 11.133 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

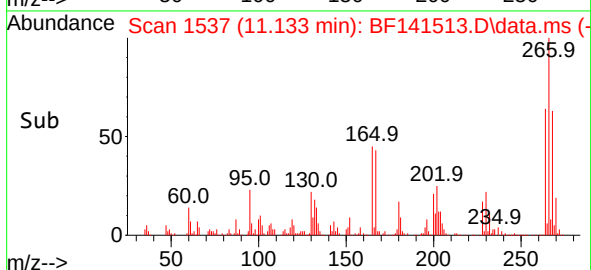
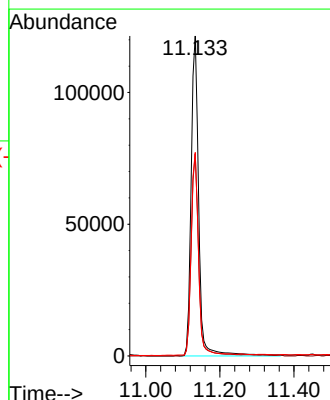
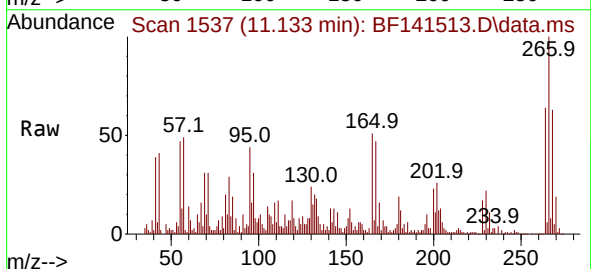
Tgt Ion:266 Resp: 173673

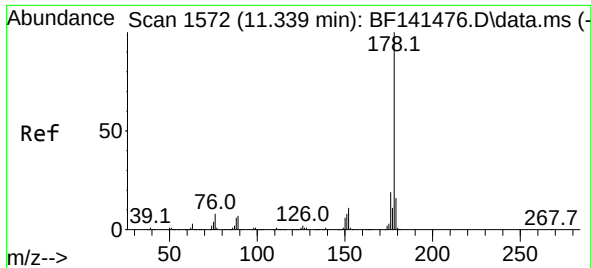
Ion Ratio Lower Upper

266 100

268 63.1 50.1 75.1

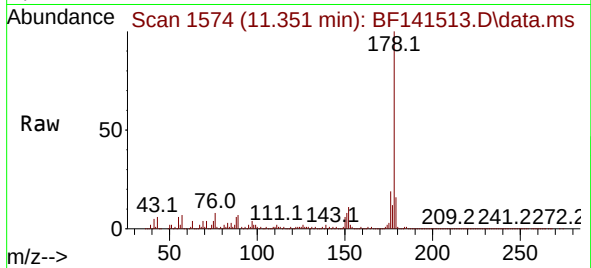
264 63.6 50.1 75.1





#71
Phenanthrene
Concen: 101.428 ng
RT: 11.351 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

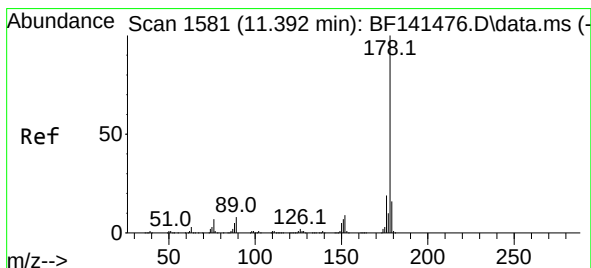
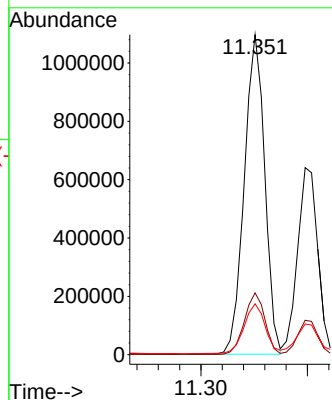
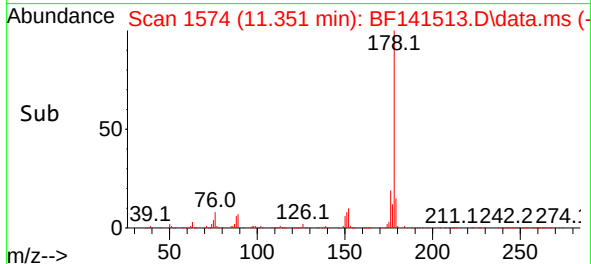
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:178 Resp: 1463714
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.9 12.4 18.6

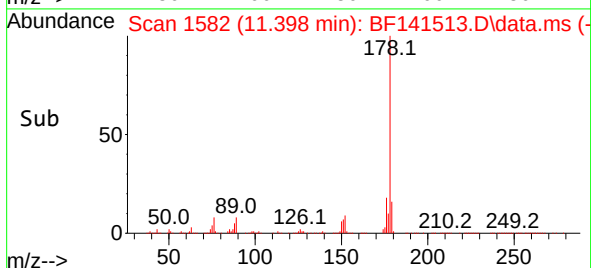
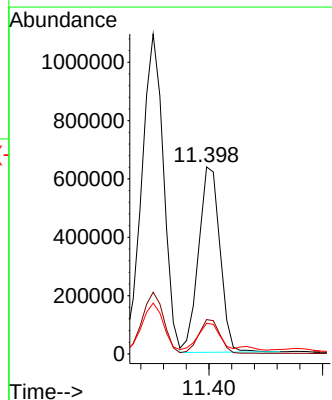
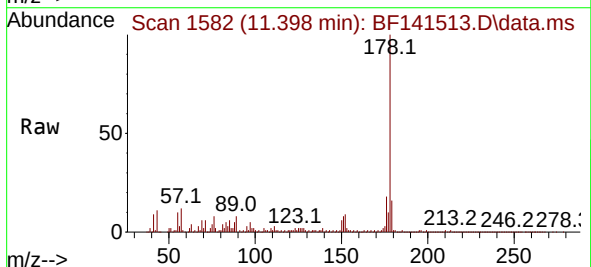
Manual Integrations
APPROVED

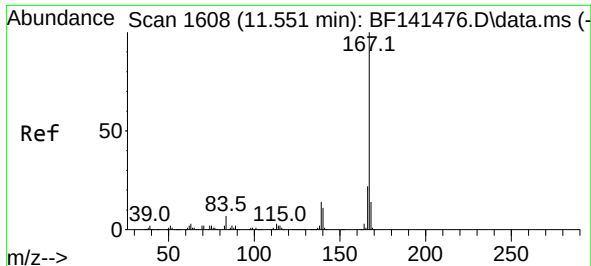
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#72
Anthracene
Concen: 57.469 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

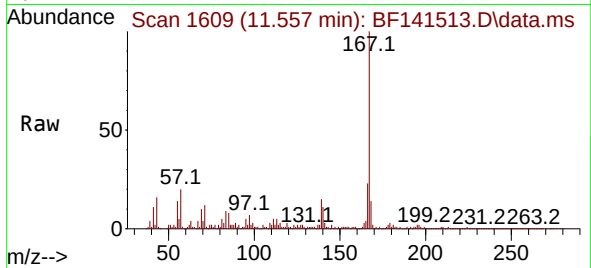
Tgt Ion:178 Resp: 833684
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 16.4 12.4 18.6





#73
 Carbazole
 Concen: 46.762 ng
 RT: 11.557 min Scan# 1609
 Delta R.T. 0.006 min
 Lab File: BF141513.D
 Acq: 07 Feb 2025 17:43

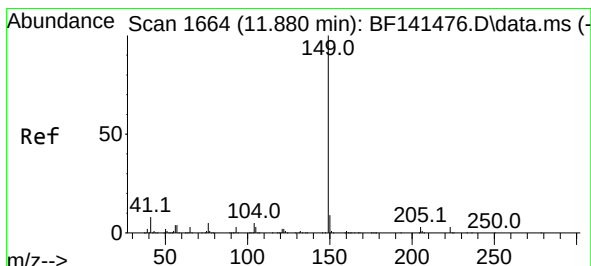
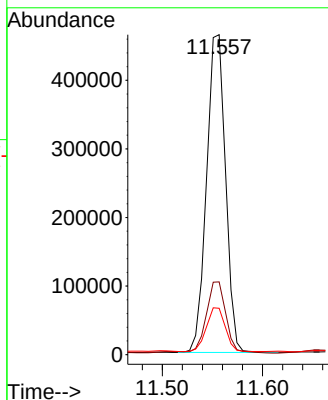
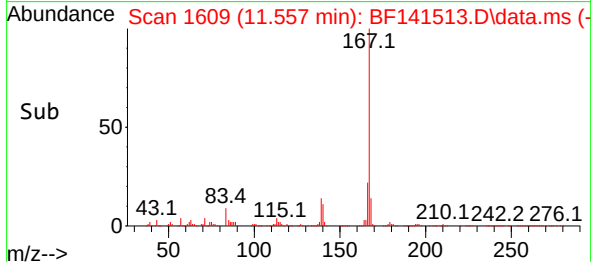
Instrument :
 BNA_F
 ClientSampleId :
 HR-01-020425MS



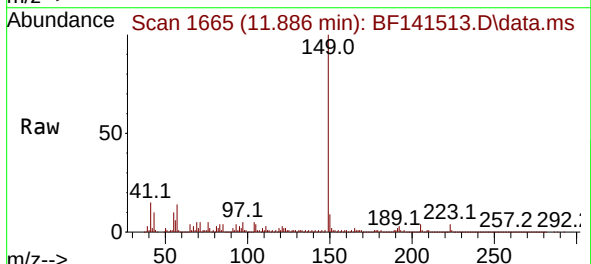
Tgt Ion:167 Resp: 61038
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.4 26.2
 139 14.5 10.9 16.3

Manual Integrations
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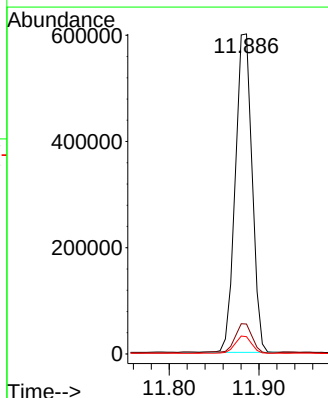
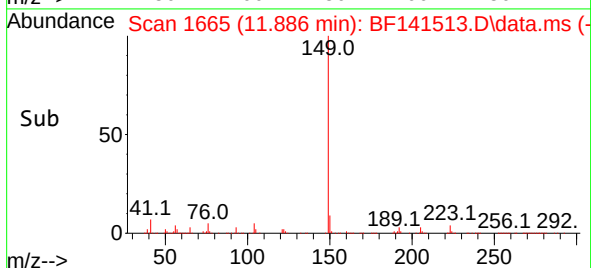
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

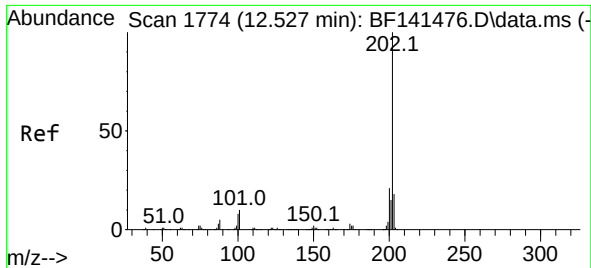


#74
 Di-n-butylphthalate
 Concen: 51.617 ng
 RT: 11.886 min Scan# 1665
 Delta R.T. 0.006 min
 Lab File: BF141513.D
 Acq: 07 Feb 2025 17:43



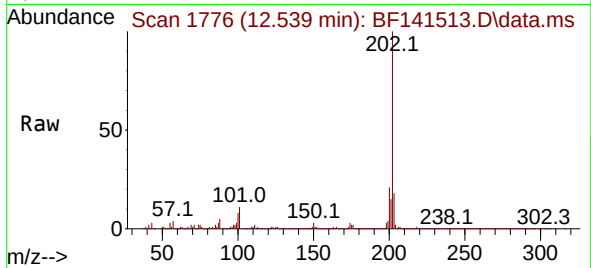
Tgt Ion:149 Resp: 777973
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 5.4 4.2 6.2





#75
Fluoranthene
Concen: 110.589 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

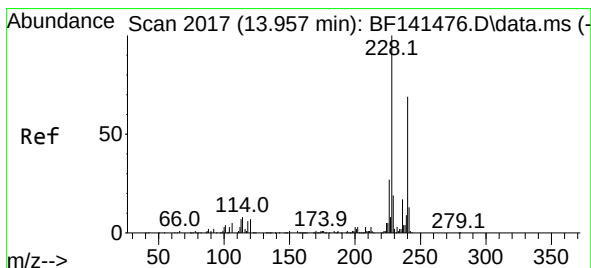
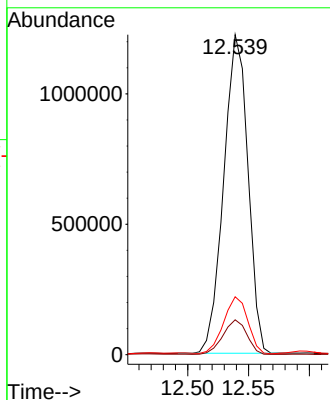
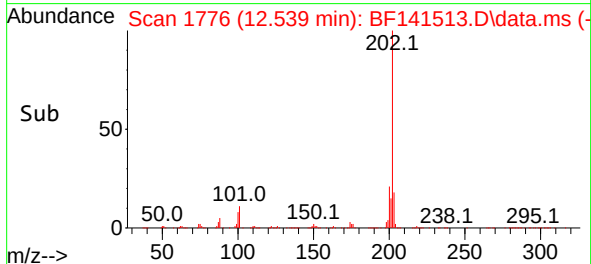
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



Tgt Ion:202 Resp: 1691990
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.2
203 18.1 0.0 37.6

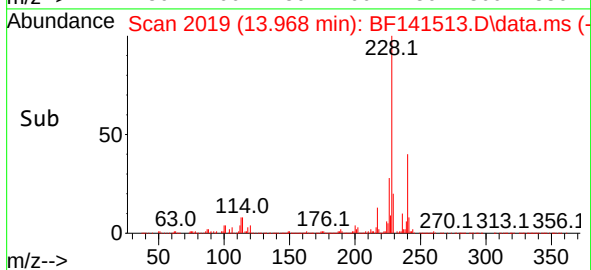
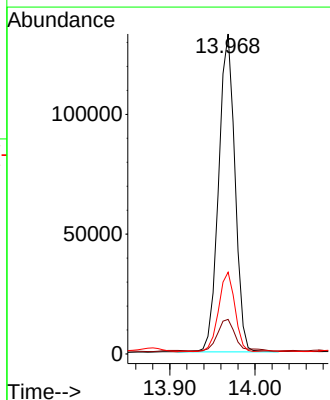
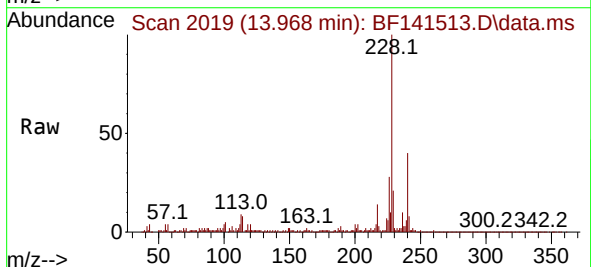
Manual Integrations
APPROVED

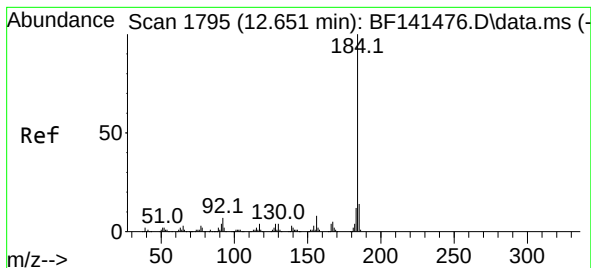
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Tgt Ion:240 Resp: 176335
Ion Ratio Lower Upper
240 100
120 10.8 8.0 12.0
236 25.5 19.8 29.8





#77

Benzidine

Concen: 44.518 ng

RT: 12.657 min Scan# 1795

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

Tgt Ion:184 Resp: 173129

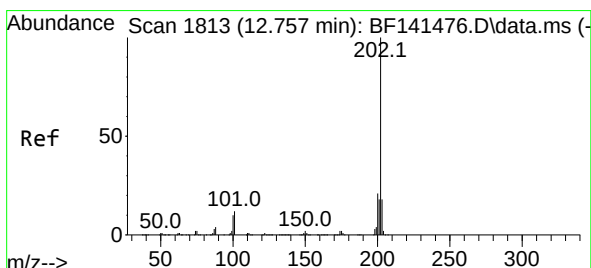
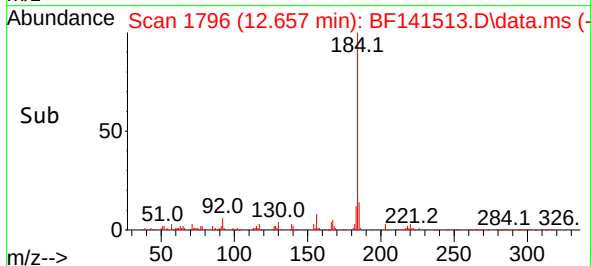
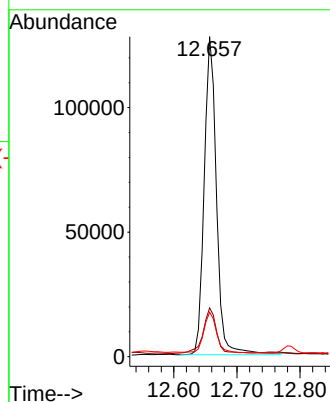
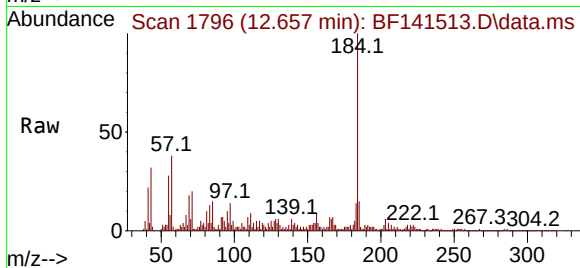
Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.3	16.9
183	13.9	9.3	13.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#78

Pyrene

Concen: 105.681 ng

RT: 12.768 min Scan# 1815

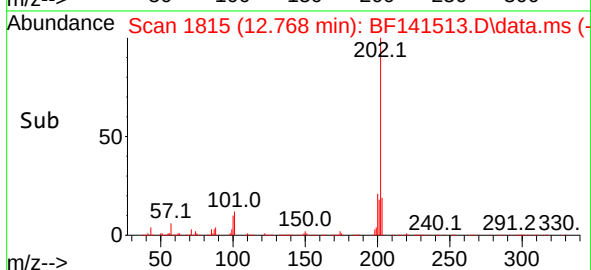
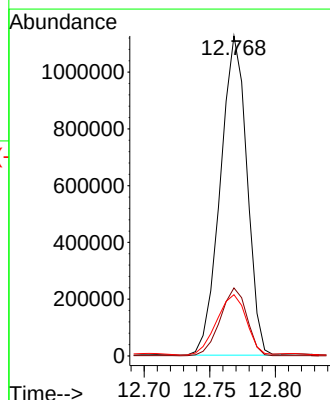
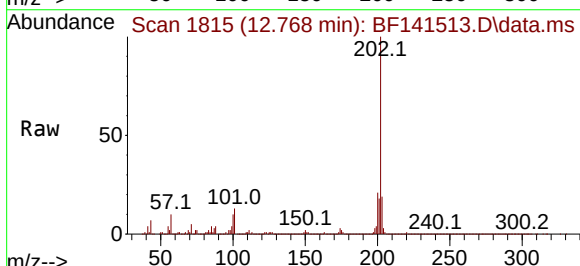
Delta R.T. 0.006 min

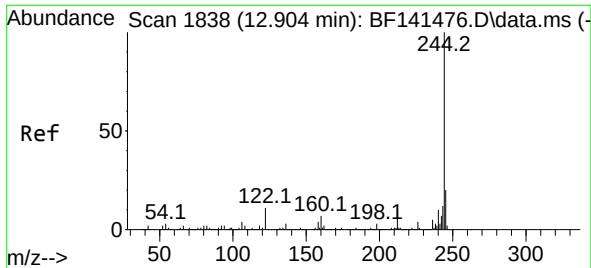
Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Tgt Ion:202 Resp: 1586371

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	19.1	14.3	21.5





#79
 Terphenyl-d14
 Concen: 73.468 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.000 min
 Lab File: BF141513.D
 Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

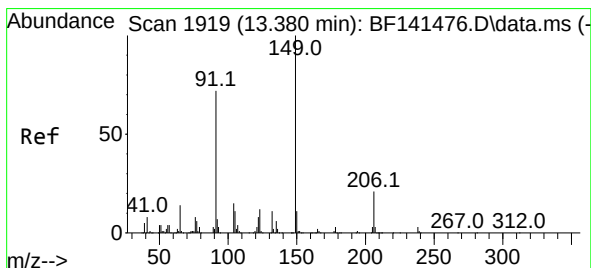
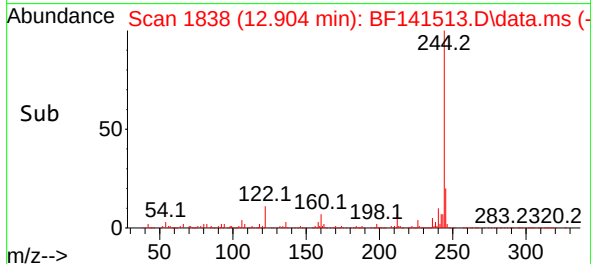
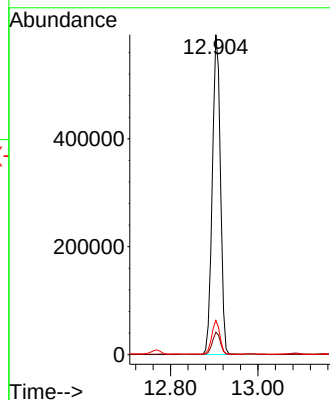
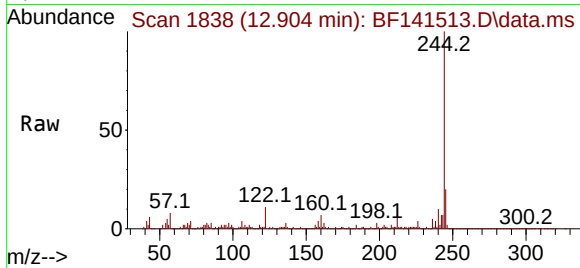
HR-01-020425MS

Tgt Ion:244 Resp: 76740
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.7 8.4 12.6

Manual Integrations

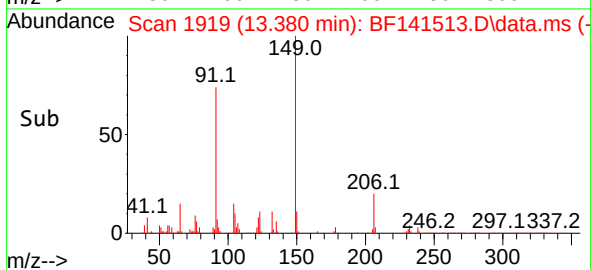
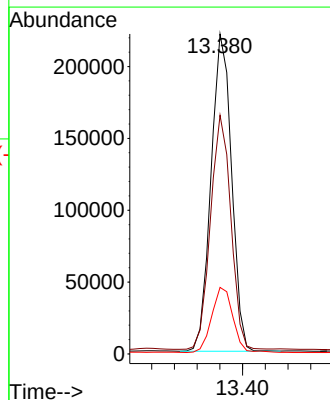
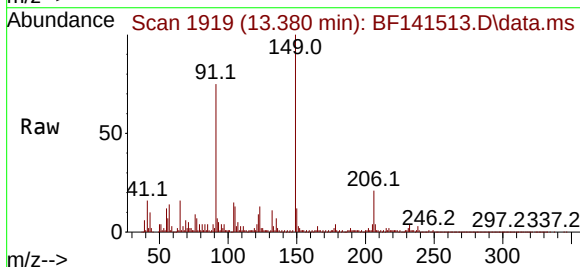
APPROVED

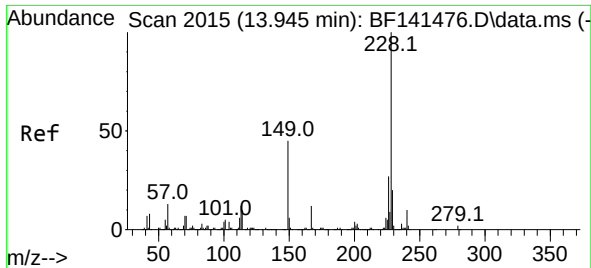
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#80
 Butylbenzylphthalate
 Concen: 53.246 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.000 min
 Lab File: BF141513.D
 Acq: 07 Feb 2025 17:43

Tgt Ion:149 Resp: 276842
 Ion Ratio Lower Upper
 149 100
 91 74.6 57.8 86.8
 206 20.8 16.7 25.1





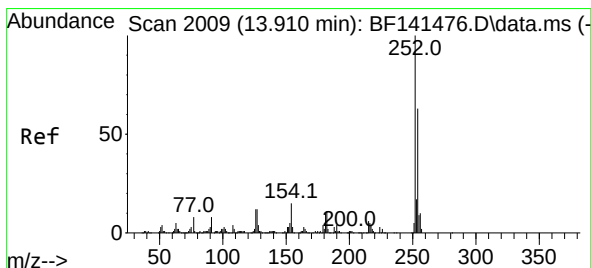
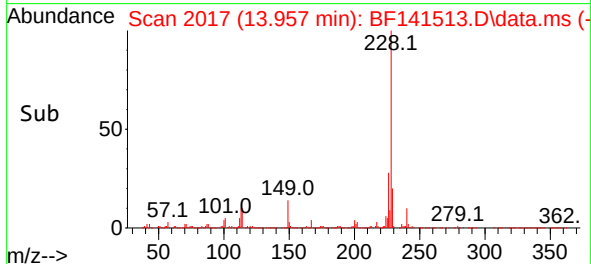
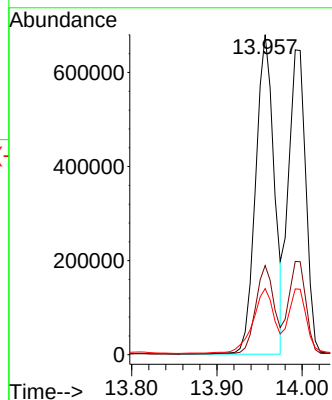
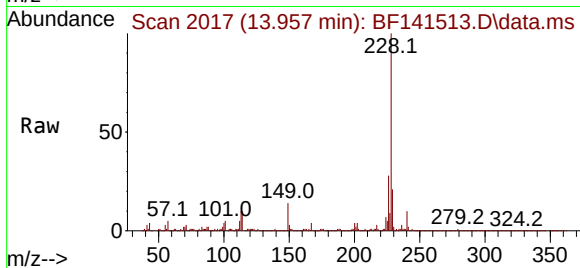
#81
Benzo(a)anthracene
Concen: 87.760 ng
RT: 13.957 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS

Tgt Ion:228 Resp: 102868
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 20.6 15.8 23.6

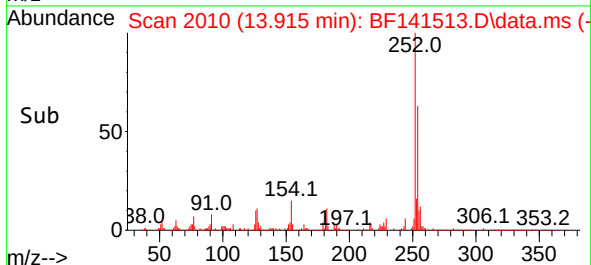
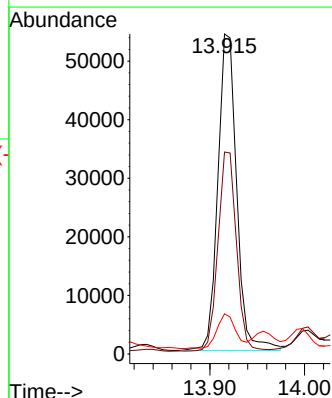
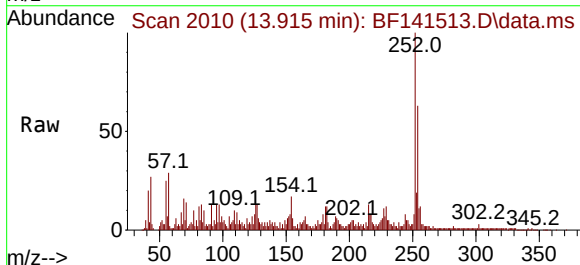
Manual Integrations
APPROVED

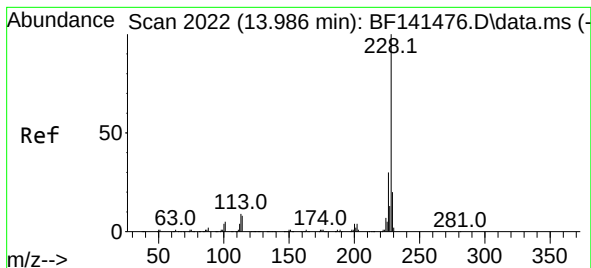
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#82
3,3'-Dichlorobenzidine
Concen: 22.249 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

Tgt Ion:252 Resp: 74707
Ion Ratio Lower Upper
252 100
254 63.1 50.6 76.0
126 12.5 9.3 13.9





#83

Chrysene

Concen: 83.988 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

Tgt Ion:228 Resp: 90901

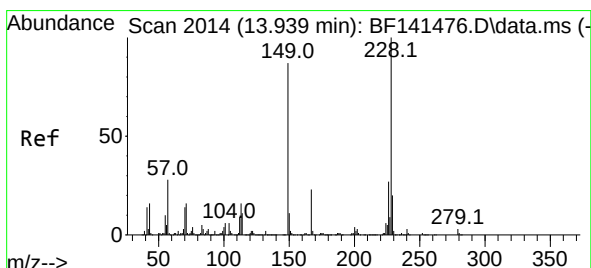
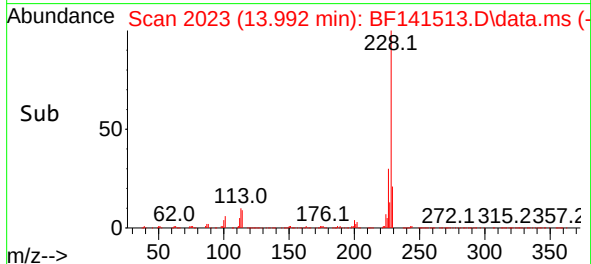
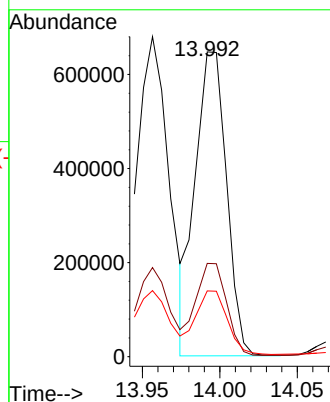
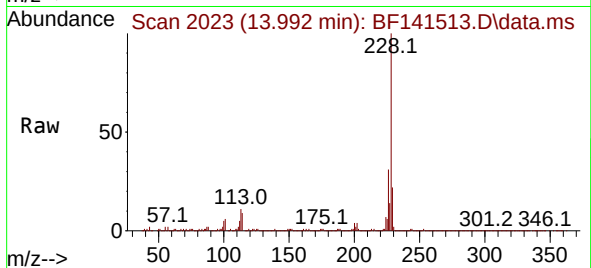
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	21.6	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 65.639 ng

RT: 13.945 min Scan# 2015

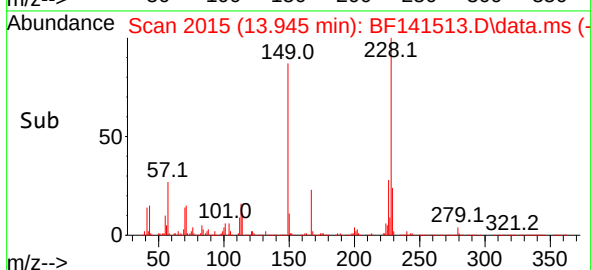
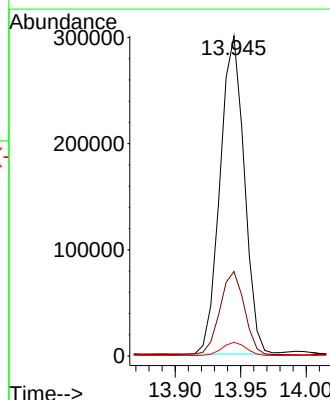
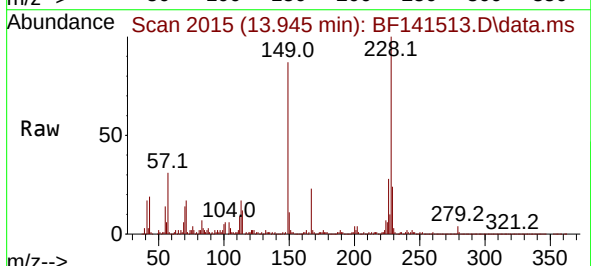
Delta R.T. 0.006 min

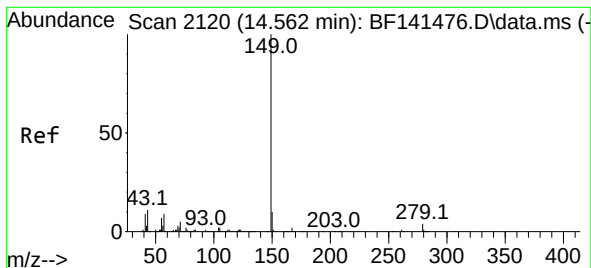
Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Tgt Ion:149 Resp: 384909

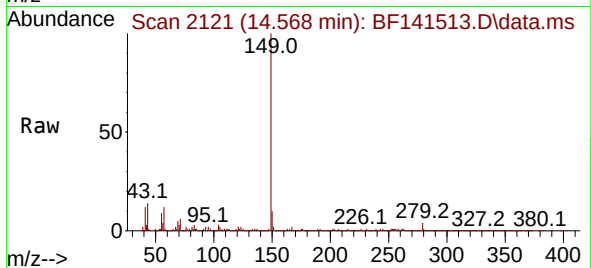
Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	4.3	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 73.615 ng
RT: 14.568 min Scan# 2120
Delta R.T. 0.006 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43

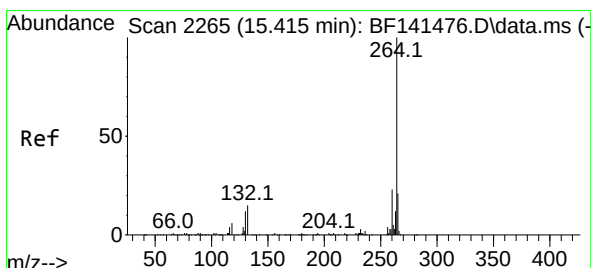
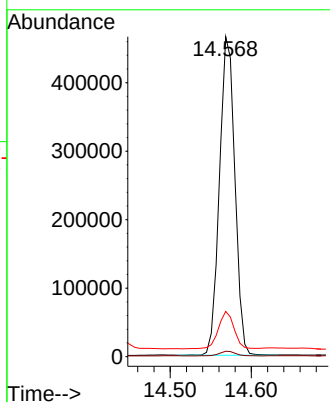
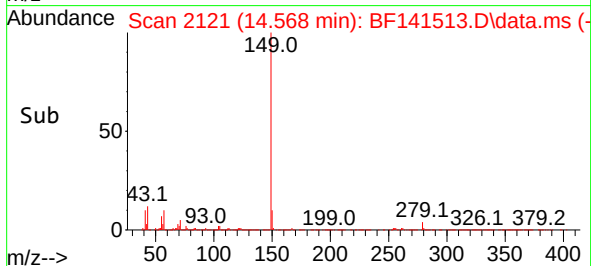
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MS



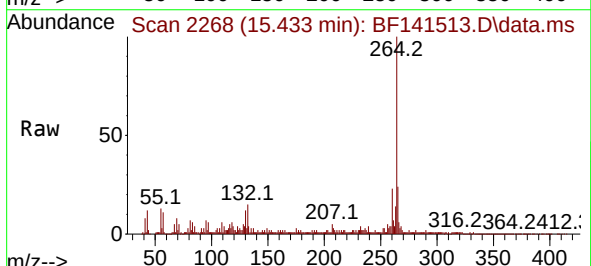
Tgt Ion:149 Resp: 61582
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.9 9.5 14.3

Manual Integrations
APPROVED

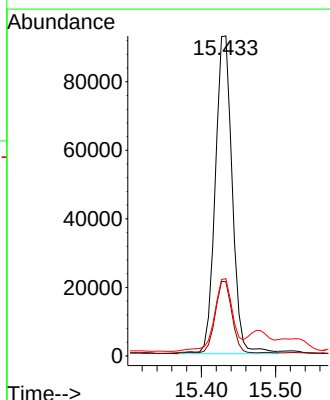
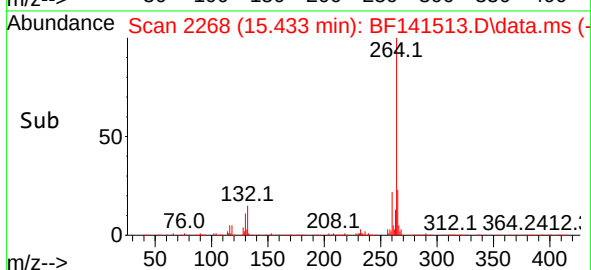
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

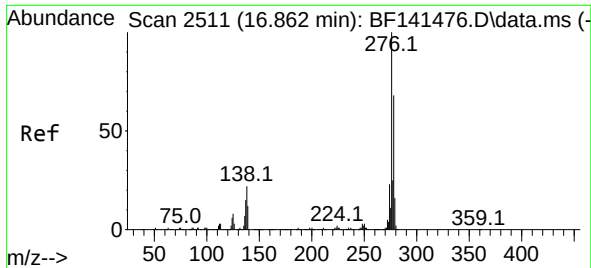


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. 0.018 min
Lab File: BF141513.D
Acq: 07 Feb 2025 17:43



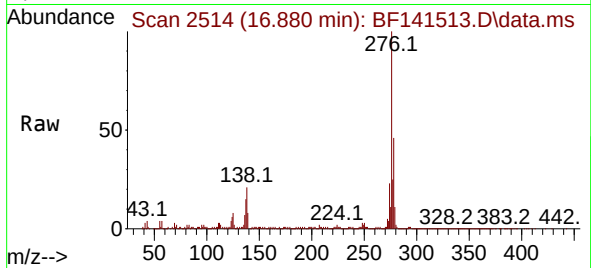
Tgt Ion:264 Resp: 147556
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 24.2 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 53.184 ng
 RT: 16.880 min Scan# 2197
 Delta R.T. 0.006 min
 Lab File: BF141513.D
 Acq: 07 Feb 2025 17:43

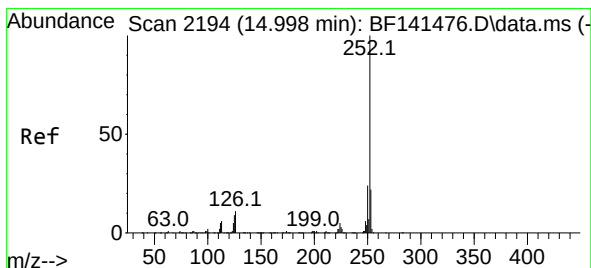
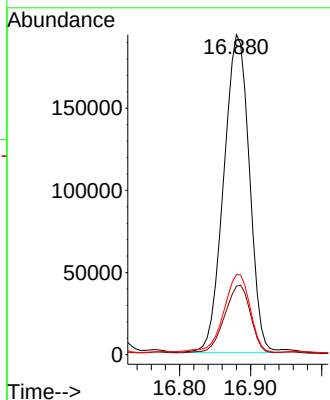
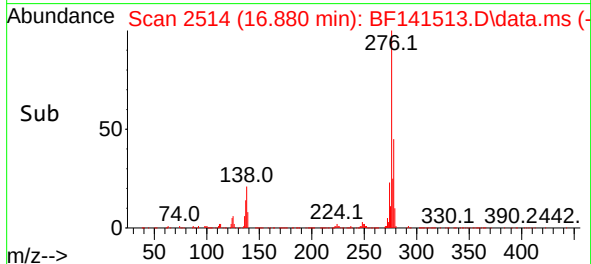
Instrument :
 BNA_F
 ClientSampleId :
 HR-01-020425MS



Tgt Ion:276 Resp: 484894
 Ion Ratio Lower Upper
 276 100
 138 21.5 18.0 27.0
 277 25.2 20.4 30.6

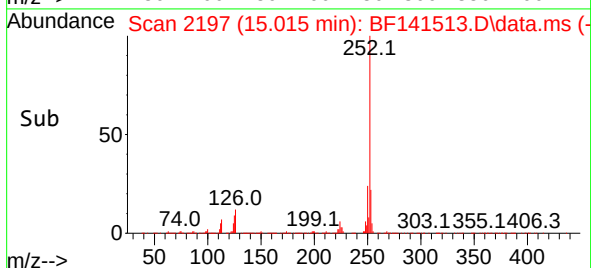
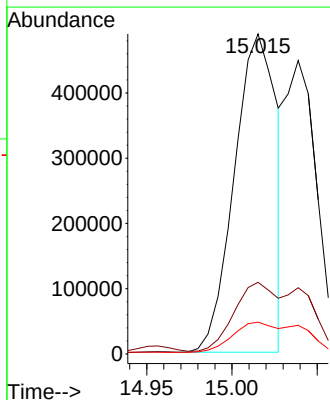
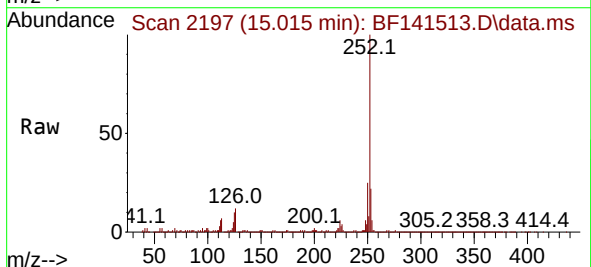
Manual Integrations
 APPROVED

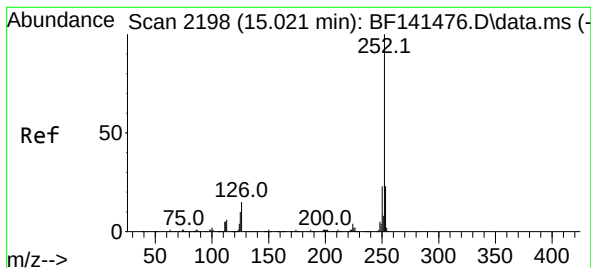
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#88
 Benzo(b)fluoranthene
 Concen: 84.773 ng
 RT: 15.015 min Scan# 2197
 Delta R.T. 0.012 min
 Lab File: BF141513.D
 Acq: 07 Feb 2025 17:43

Tgt Ion:252 Resp: 839900
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.5 26.3
 125 9.9 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 65.604 ng m

RT: 15.039 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

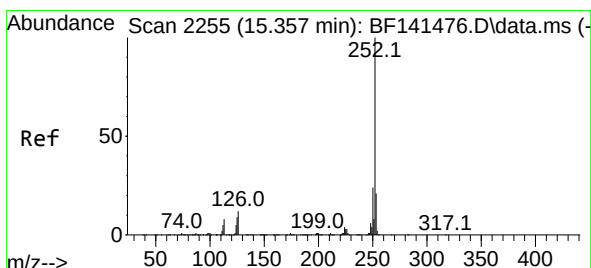
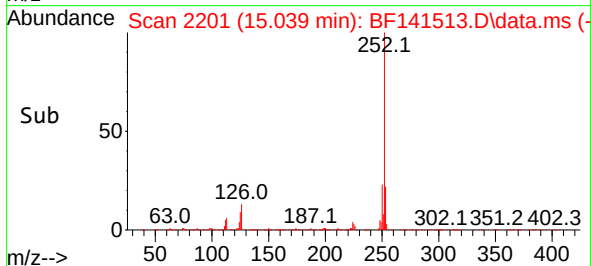
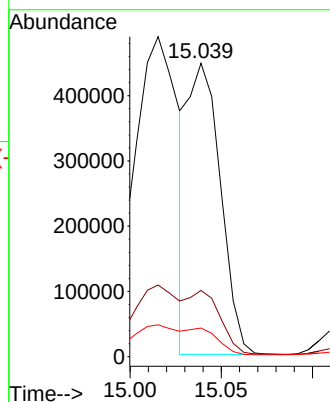
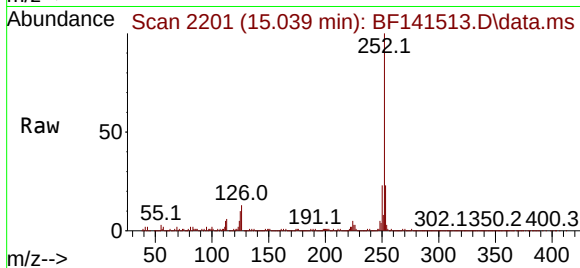
HR-01-020425MS

Tgt Ion:252 Resp: 555023
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.0 27.0
 125 9.7 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#90

Benzo(a)pyrene

Concen: 80.634 ng

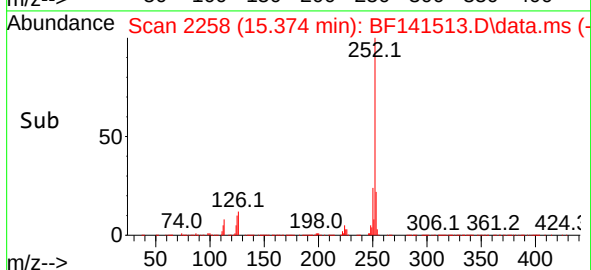
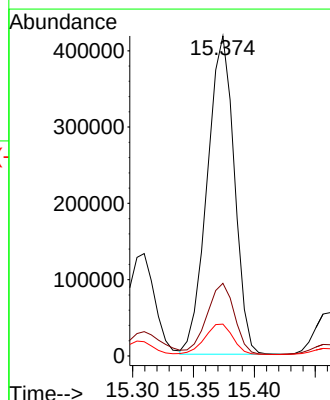
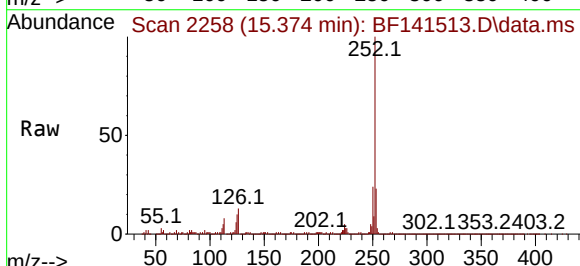
RT: 15.374 min Scan# 2258

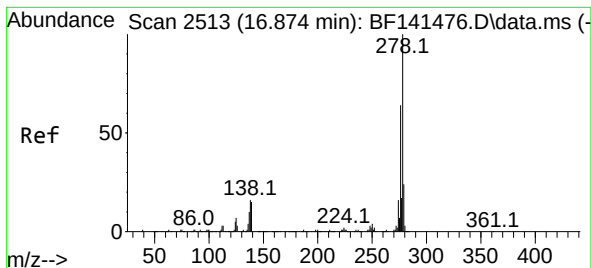
Delta R.T. 0.012 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Tgt Ion:252 Resp: 646442
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.1 25.7
 125 10.0 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 43.046 ng

RT: 16.892 min Scan# 2513

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MS

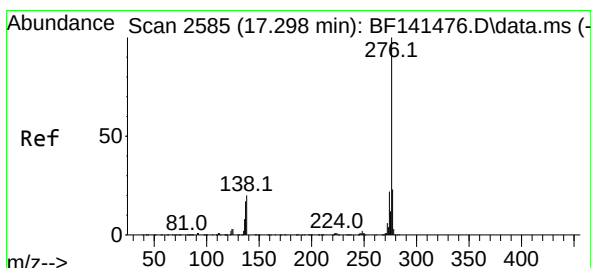
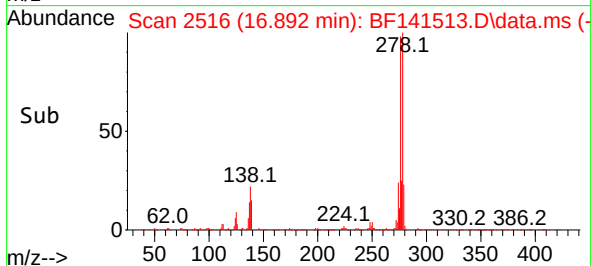
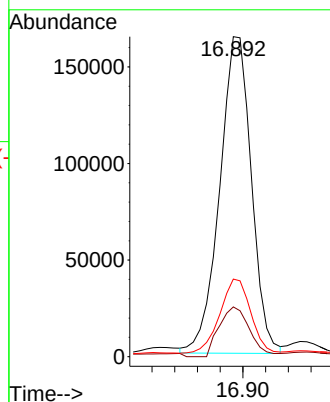
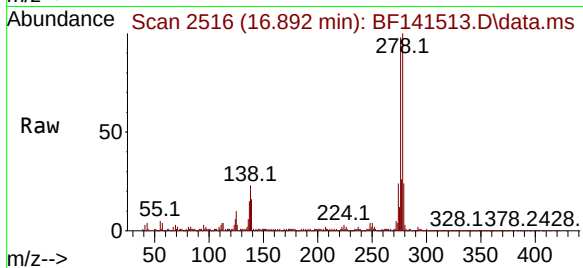
Tgt Ion:	278	Resp:	31800
Ion Ratio	Lower	Upper	
278	100		
139	15.6	11.8	17.6
279	24.3	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 49.294 ng

RT: 17.315 min Scan# 2588

Delta R.T. -0.000 min

Lab File: BF141513.D

Acq: 07 Feb 2025 17:43

Tgt Ion:	276	Resp:	381089
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	20.4	15.9	23.9

