

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140936.D
 Acq On : 19 Dec 2024 19:34
 Operator : RC/JU
 Sample : P5301-03MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624MSD

Quant Time: Dec 20 00:09:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	57597	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	185758	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	104796	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	196965	20.000	ng	0.00
76) Chrysene-d12	14.039	240	126111	20.000	ng	# 0.00
86) Perylene-d12	15.539	264	110928	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	334880	95.712	ng	0.01
7) Phenol-d6	6.504	99	413639	89.258	ng	0.00
23) Nitrobenzene-d5	7.416	82	253510	68.279	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	104709	84.481	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	432088	56.687	ng	0.00
79) Terphenyl-d14	12.963	244	450230	56.296	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	56265	37.334	ng	99
3) Pyridine	3.428	79	139640	40.010	ng	99
4) n-Nitrosodimethylamine	3.375	42	74049	42.086	ng	96
6) Aniline	6.522	93	88616	22.365	ng	# 47
8) 2-Chlorophenol	6.651	128	160092	41.959	ng	99
9) Benzaldehyde	6.410	77	35627	13.875	ng	97
10) Phenol	6.522	94	199748	41.588	ng	90
11) bis(2-Chloroethyl)ether	6.587	93	164285	45.865	ng	97
12) 1,3-Dichlorobenzene	6.793	146	174888	40.226	ng	98
13) 1,4-Dichlorobenzene	6.869	146	179575	40.691	ng	98
14) 1,2-Dichlorobenzene	7.022	146	165759	39.809	ng	99
15) Benzyl Alcohol	7.004	79	139355	42.057	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.122	45	177798	42.136	ng	89
17) 2-Methylphenol	7.122	107	119878	39.353	ng	97
18) Hexachloroethane	7.357	117	59333	36.114	ng	97
19) n-Nitroso-di-n-propyla...	7.263	70	113176	40.713	ng	99
20) 3+4-Methylphenols	7.287	107	159481	39.482	ng	# 65
22) Acetophenone	7.263	105	227952	49.056	ng	# 92
24) Nitrobenzene	7.440	77	160607	42.224	ng	95
25) Isophorone	7.675	82	285190	45.843	ng	99
26) 2-Nitrophenol	7.751	139	78066	44.562	ng	99
27) 2,4-Dimethylphenol	7.798	122	109733	53.636	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	175483	45.163	ng	97
29) 2,4-Dichlorophenol	8.022	162	120287	42.586	ng	99
30) 1,2,4-Trichlorobenzene	8.075	180	132346	40.873	ng	99
31) Naphthalene	8.151	128	431778	42.315	ng	100
32) Benzoic acid	7.939	122	60635	31.250	ng	# 88
33) 4-Chloroaniline	8.222	127	66311	19.567	ng	99
34) Hexachlorobutadiene	8.263	225	90650	41.611	ng	99
35) Caprolactam	8.581	113	34422	40.935	ng	# 88
36) 4-Chloro-3-methylphenol	8.710	107	116511	36.649	ng	100
37) 2-Methylnaphthalene	8.845	142	274333	40.643	ng	99
38) 1-Methylnaphthalene	8.945	142	254378	38.106	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	131281	40.757	ng	98
41) Hexachlorocyclopentadiene	8.992	237	145	Below Cal		80
43) 2,4,6-Trichlorophenol	9.134	196	79228	40.170	ng	99

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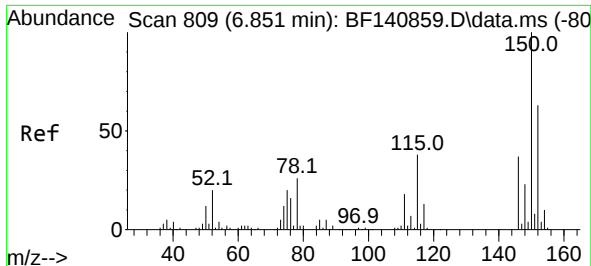
Quant Time: Dec 20 00:09:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	81944	37.800	ng	# 95
46) 1,1'-Biphenyl	9.304	154	339650	40.759	ng	100
47) 2-Chloronaphthalene	9.334	162	248602	38.996	ng	99
48) 2-Nitroaniline	9.439	65	79335	41.206	ng	98
49) Acenaphthylene	9.751	152	411253	43.897	ng	100
50) Dimethylphthalate	9.604	163	300849	40.719	ng	100
51) 2,6-Dinitrotoluene	9.681	165	63045	37.326	ng	91
52) Acenaphthene	9.922	154	254149	42.468	ng	99
53) 3-Nitroaniline	9.851	138	58388	34.834	ng	# 98
54) 2,4-Dinitrophenol	9.986	184	9981	17.662	ng	# 71
55) Dibenzofuran	10.092	168	379334	40.906	ng	99
56) 4-Nitrophenol	10.045	139	69599	77.348	ng	93
57) 2,4-Dinitrotoluene	10.092	165	84840	38.176	ng	# 98
58) Fluorene	10.439	166	305233	39.898	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	75228	42.587	ng	# 89
60) Diethylphthalate	10.304	149	303804	39.653	ng	99
61) 4-Chlorophenyl-phenyle...	10.428	204	146089	38.015	ng	99
62) 4-Nitroaniline	10.469	138	61516	35.120	ng	97
63) Azobenzene	10.586	77	307101	42.637	ng	95
65) 4,6-Dinitro-2-methylph...	10.510	198	10441	9.355	ng	# 28
66) n-Nitrosodiphenylamine	10.545	169	272310	44.967	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	86282	39.157	ng	97
68) Hexachlorobenzene	10.992	284	98628	39.478	ng	97
69) Atrazine	11.075	200	91915	54.345	ng	99
70) Pentachlorophenol	11.198	266	89929	98.456	ng	98
71) Phenanthrene	11.404	178	555782	54.872	ng	99
72) Anthracene	11.457	178	467038	46.822	ng	100
73) Carbazole	11.616	167	433295	44.349	ng	99
74) Di-n-butylphthalate	11.927	149	501775	43.760	ng	100
75) Fluoranthene	12.598	202	668863	57.340	ng	98
77) Benzidine	12.722	184	78944	30.671	ng	# 92
78) Pyrene	12.833	202	605913	54.029	ng	100
80) Butylbenzylphthalate	13.433	149	216802	52.540	ng	99
81) Benzo(a)anthracene	14.027	228	445835	49.881	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	95549	35.433	ng	98
83) Chrysene	14.063	228	399042	49.097	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	335001	62.962	ng	99
85) Di-n-octyl phthalate	14.621	149	408510	50.749	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.057	276	323876	46.787	ng	98
88) Benzo(b)fluoranthene	15.104	252	338078	43.906	ng	# 96
89) Benzo(k)fluoranthene	15.127	252	286542	43.382	ng	# 98
90) Benzo(a)pyrene	15.474	252	297015	49.261	ng	# 97
91) Dibenzo(a,h)anthracene	17.062	278	258800	45.128	ng	99
92) Benzo(g,h,i)perylene	17.515	276	245489	42.059	ng	97

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

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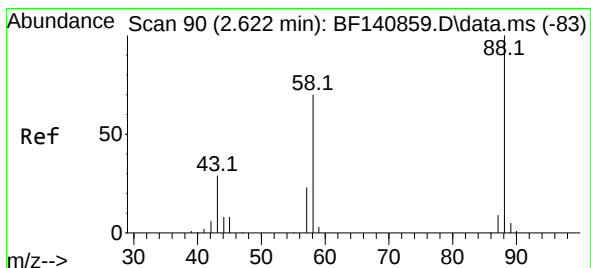
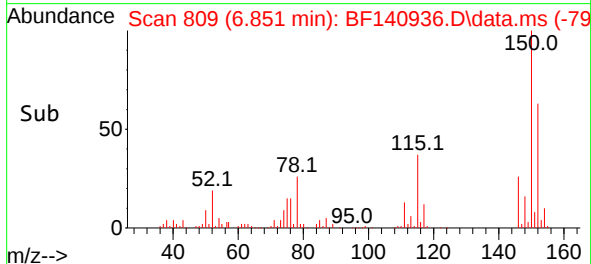
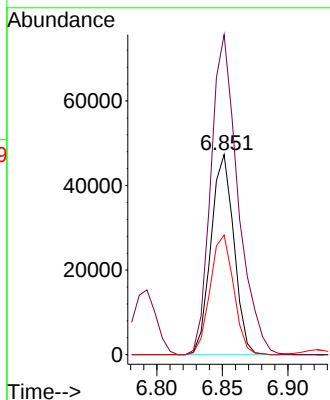
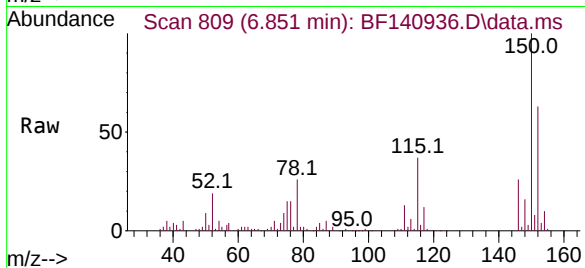




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

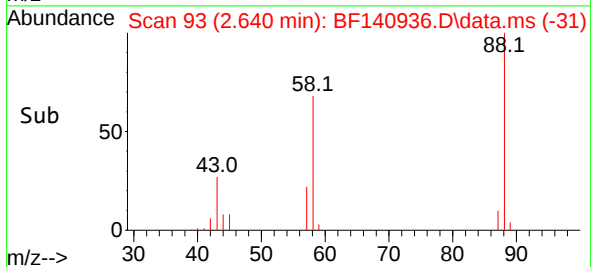
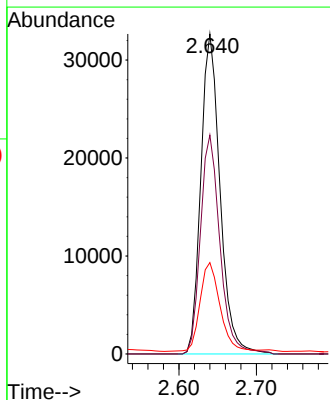
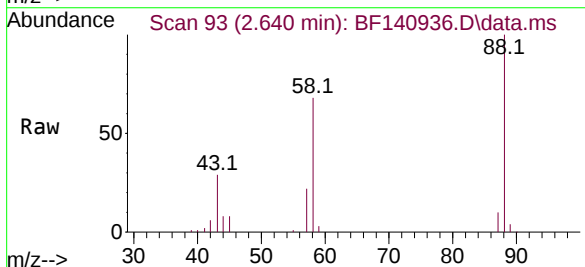
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

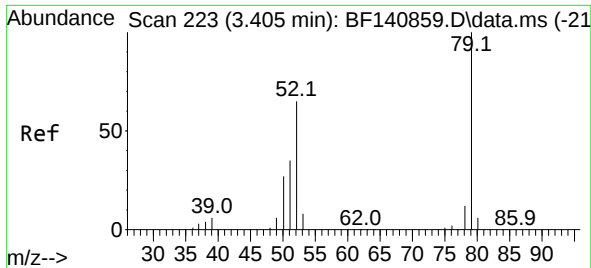
Tgt Ion:152 Resp: 57597
Ion Ratio Lower Upper
152 100
150 159.9 127.9 191.9
115 59.8 48.0 72.0



#2
1,4-Dioxane
Concen: 37.334 ng
RT: 2.640 min Scan# 93
Delta R.T. 0.018 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 88 Resp: 56265
Ion Ratio Lower Upper
88 100
58 69.3 55.8 83.8
43 28.9 22.7 34.1





#3

Pyridine

Concen: 40.010 ng

RT: 3.428 min Scan# 218

Delta R.T. 0.023 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

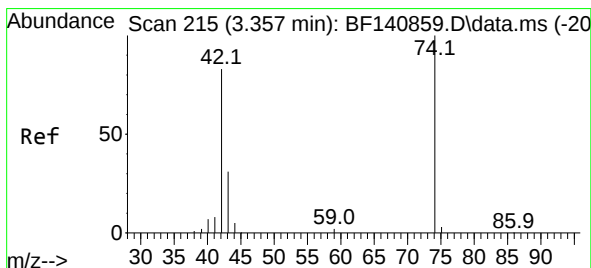
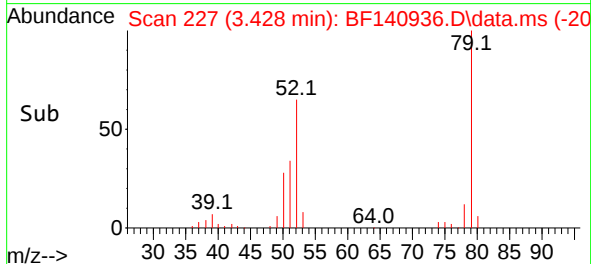
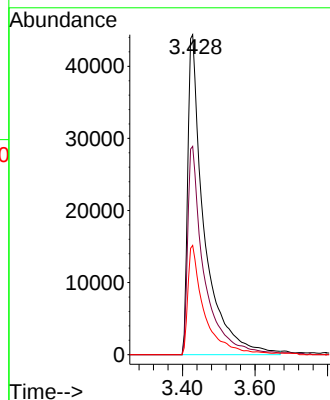
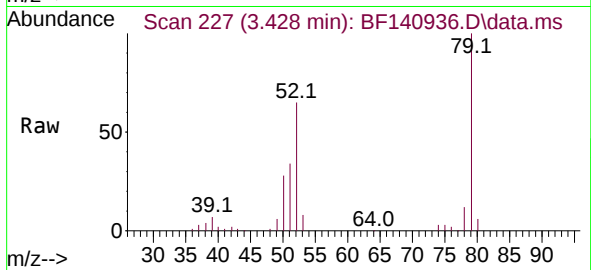
Tgt Ion: 79 Resp: 139640

Ion Ratio Lower Upper

79 100

52 65.1 51.7 77.5

51 34.2 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 42.086 ng

RT: 3.375 min Scan# 218

Delta R.T. 0.018 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

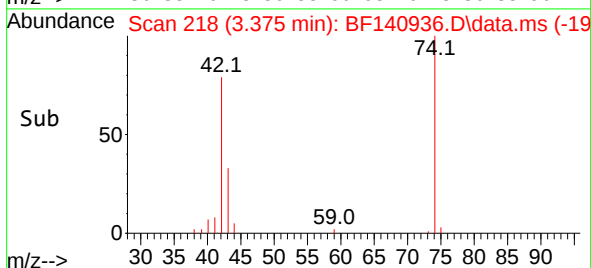
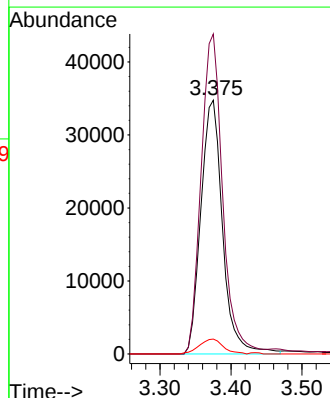
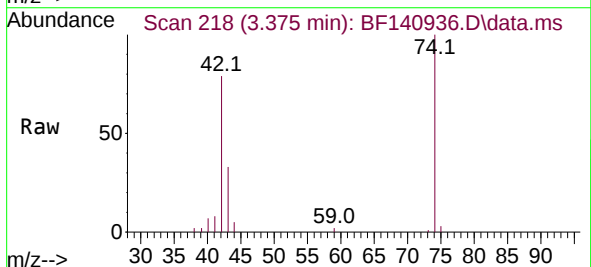
Tgt Ion: 42 Resp: 74049

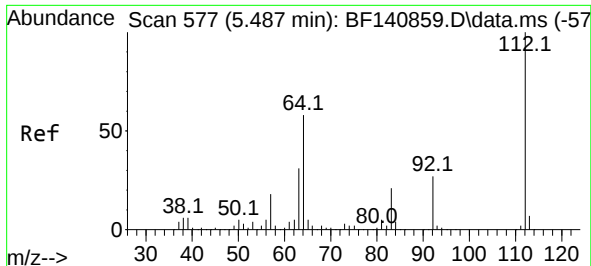
Ion Ratio Lower Upper

42 100

74 126.1 96.9 145.3

44 5.9 4.4 6.6

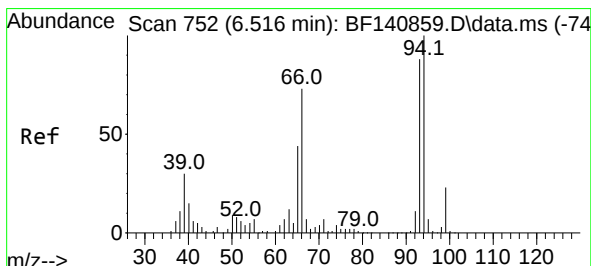
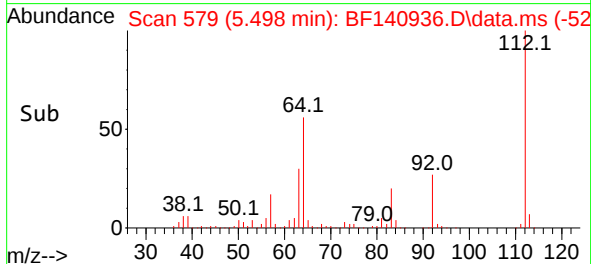
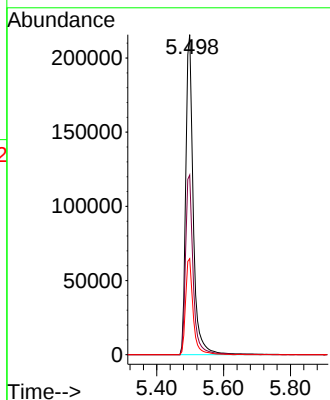
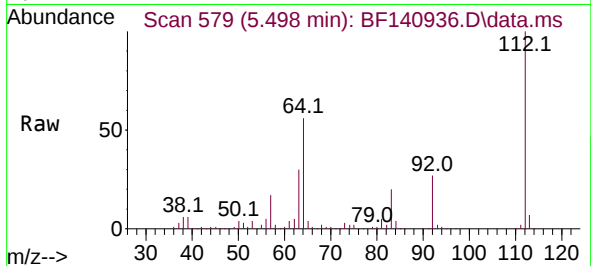




#5
2-Fluorophenol
Concen: 95.712 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

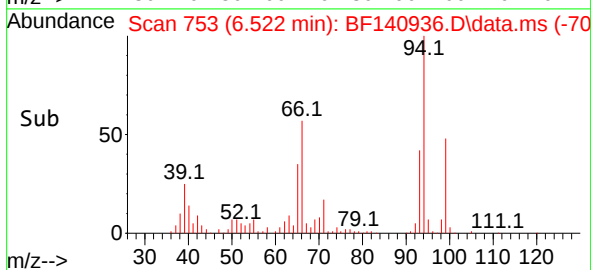
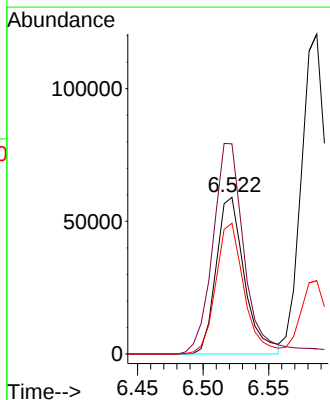
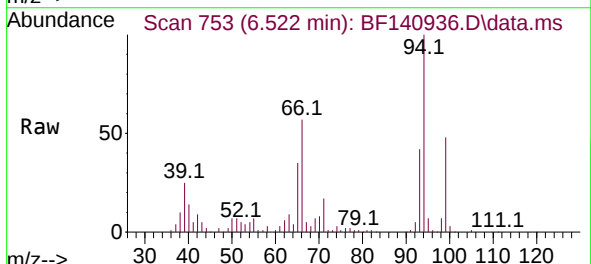
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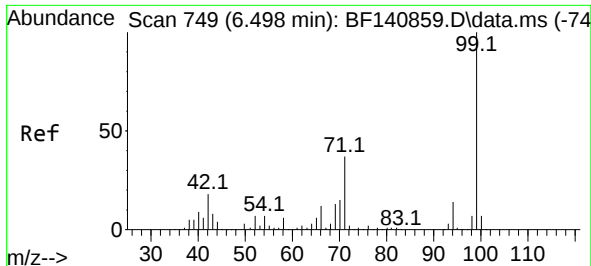
Tgt Ion:112 Resp: 334880
Ion Ratio Lower Upper
112 100
64 56.1 46.1 69.1
63 30.0 24.9 37.3



#6
Aniline
Concen: 22.365 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 93 Resp: 88616
Ion Ratio Lower Upper
93 100
66 134.0 67.0 100.4#
65 83.4 40.4 60.6#

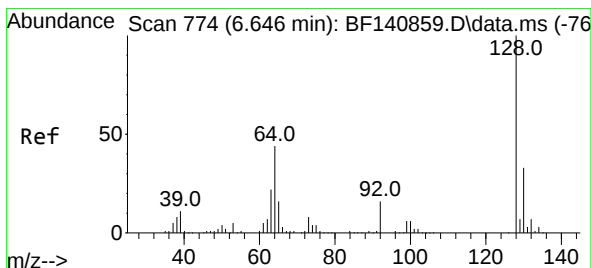
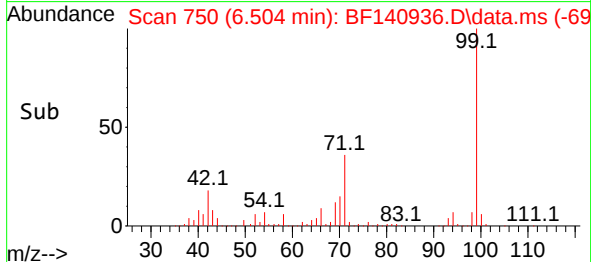
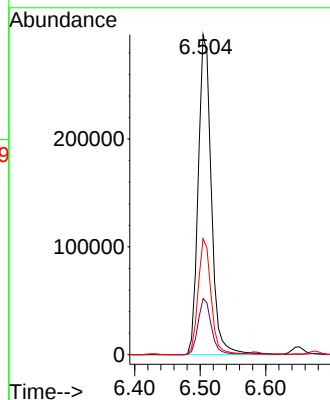
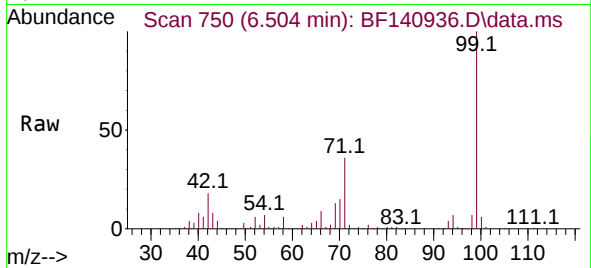




#7
Phenol-d6
Concen: 89.258 ng
RT: 6.504 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

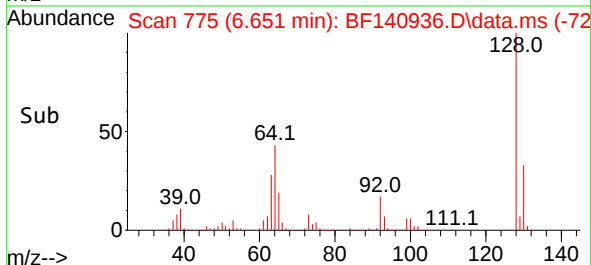
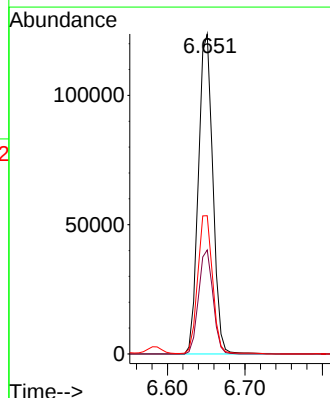
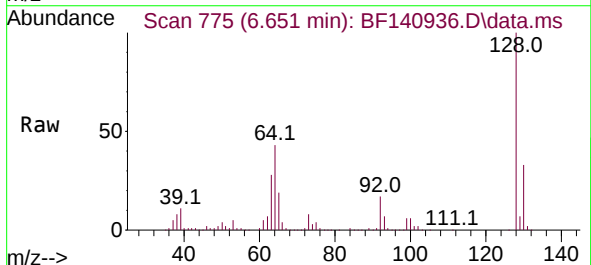
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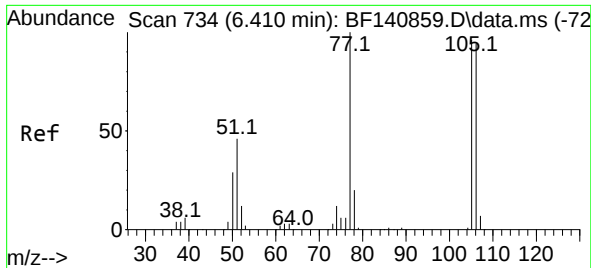
Tgt Ion: 99 Resp: 413639
Ion Ratio Lower Upper
99 100
42 17.5 14.3 21.5
71 36.2 29.9 44.9



#8
2-Chlorophenol
Concen: 41.959 ng
RT: 6.651 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 128 Resp: 160092
Ion Ratio Lower Upper
128 100
130 32.5 12.9 52.9
64 43.2 24.3 64.3





#9

Benzaldehyde

Concen: 13.875 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

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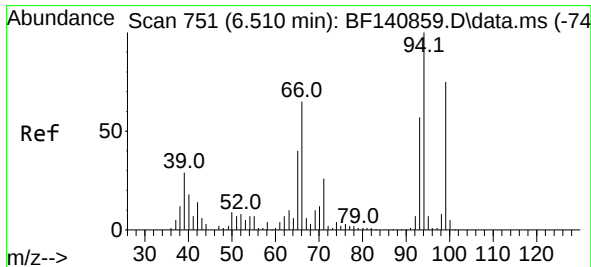
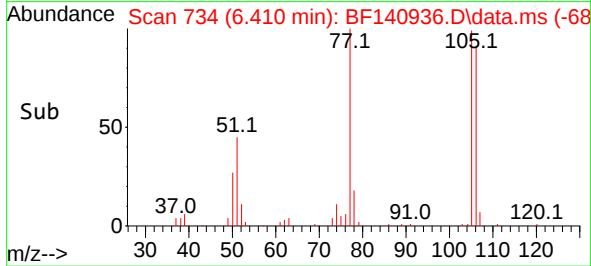
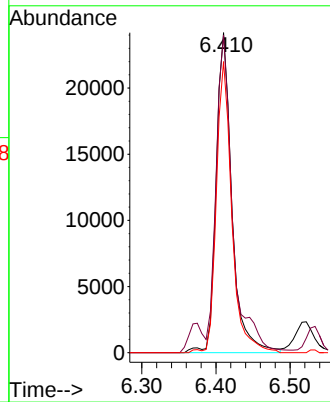
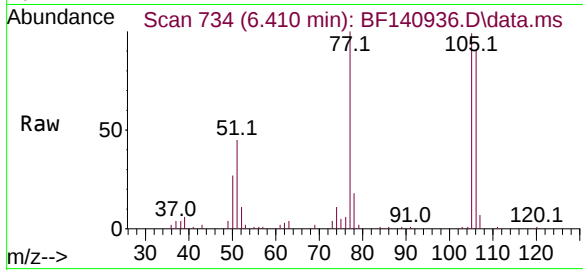
Tgt Ion: 77 Resp: 35627

Ion Ratio Lower Upper

77 100

105 99.2 75.8 115.8

106 90.9 74.1 114.1



#10

Phenol

Concen: 41.588 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

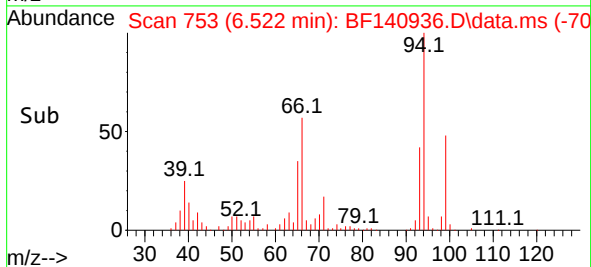
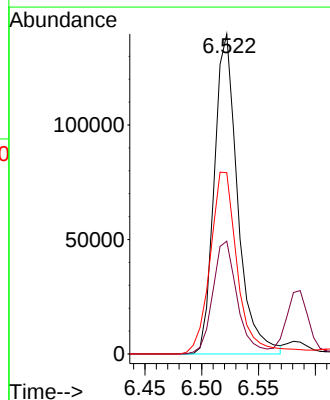
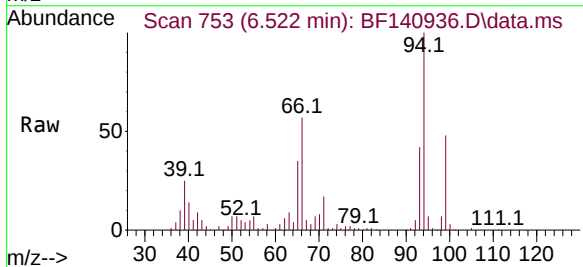
Tgt Ion: 94 Resp: 199748

Ion Ratio Lower Upper

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65 35.3 19.9 59.9

66 56.7 45.6 85.6



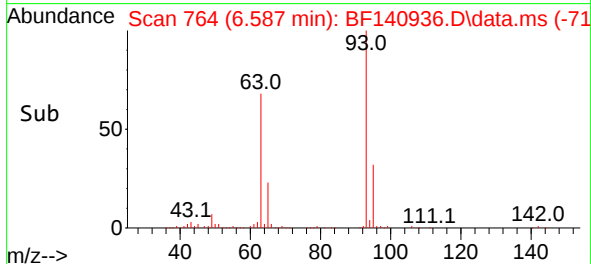
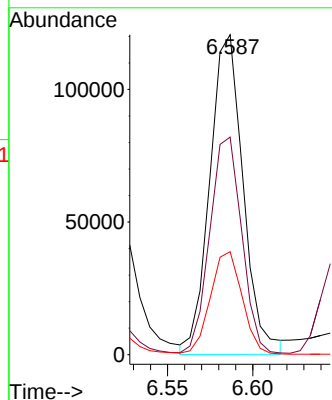
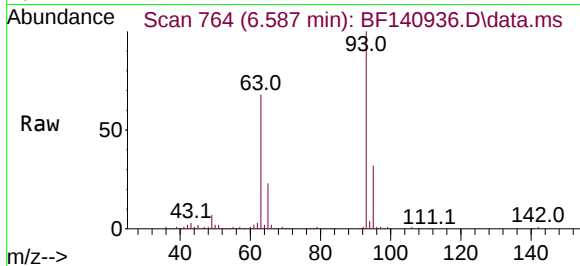


#11
bis(2-Chloroethyl)ether
Concen: 45.865 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

Tgt Ion: 93 Resp: 164285

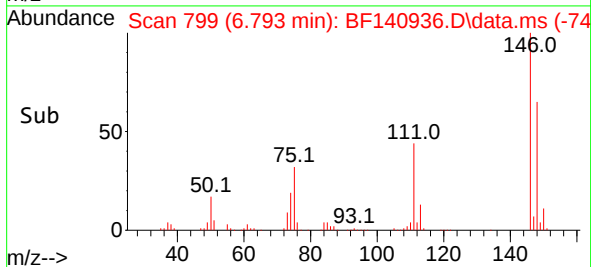
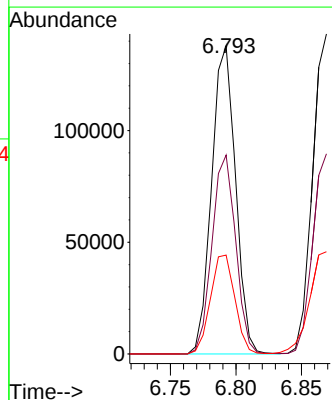
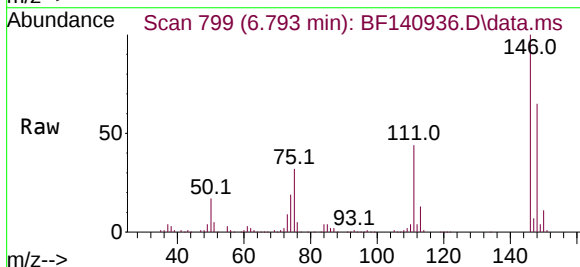
Ion	Ratio	Lower	Upper
93	100		
63	68.0	51.0	91.0
95	32.2	12.0	52.0



#12
1,3-Dichlorobenzene
Concen: 40.226 ng
RT: 6.793 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 146 Resp: 174888

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.6
75	32.1	28.1	42.1





#13

1,4-Dichlorobenzene

Concen: 40.691 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

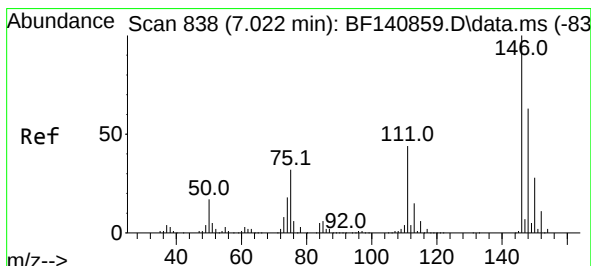
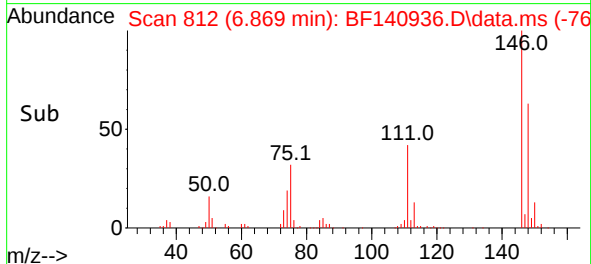
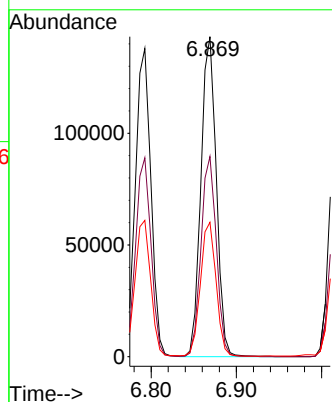
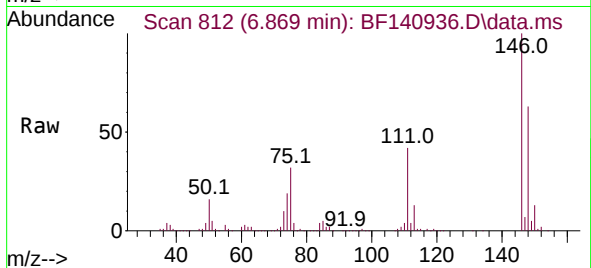
Tgt Ion:146 Resp: 179575

Ion Ratio Lower Upper

146 100

148 62.6 51.3 76.9

111 42.0 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.809 ng

RT: 7.022 min Scan# 838

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

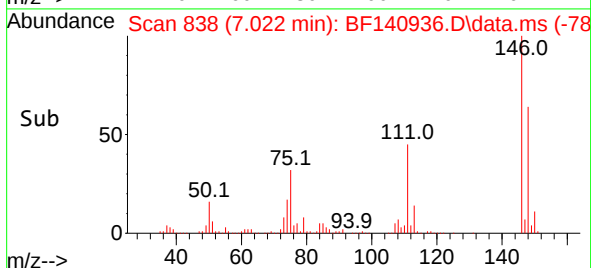
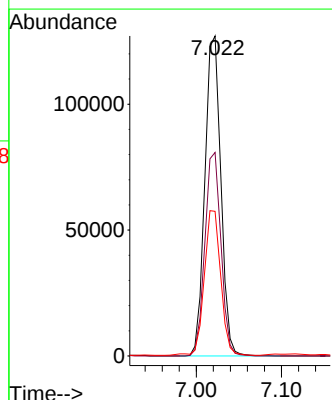
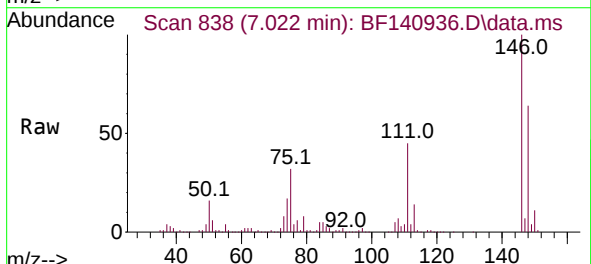
Tgt Ion:146 Resp: 165759

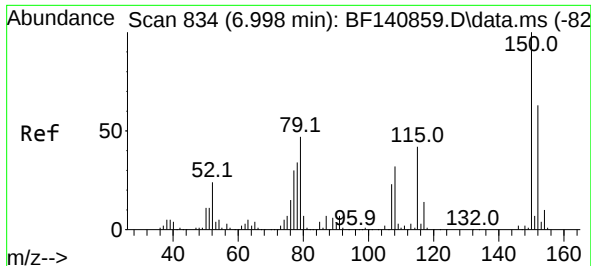
Ion Ratio Lower Upper

146 100

148 63.6 50.0 75.0

111 45.2 35.6 53.4

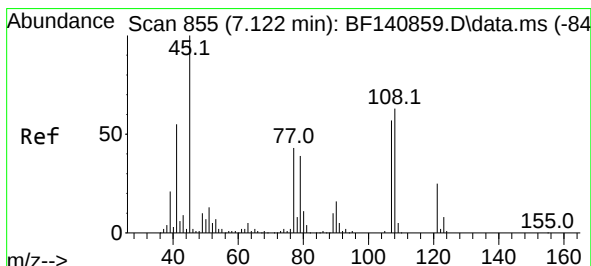
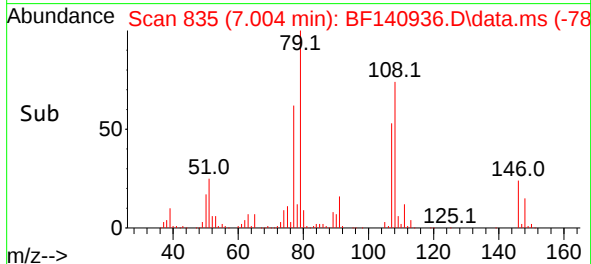
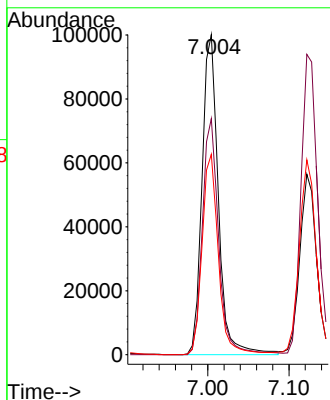
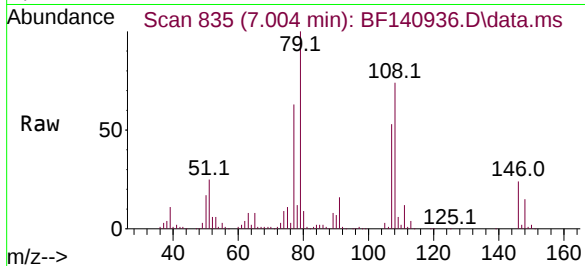




#15
Benzyl Alcohol
Concen: 42.057 ng
RT: 7.004 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

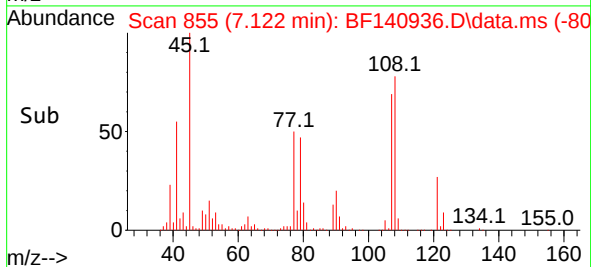
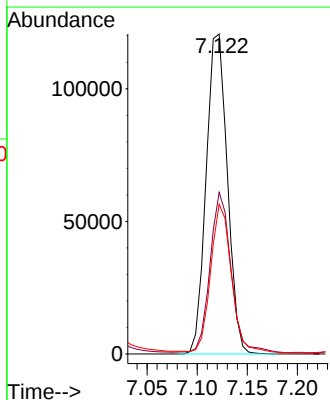
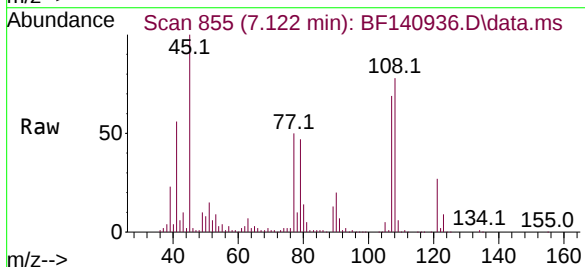
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

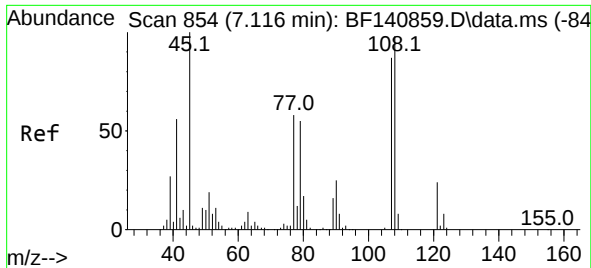
Tgt Ion: 79 Resp: 139355
Ion Ratio Lower Upper
79 100
108 73.7 55.1 82.7
77 62.6 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.136 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 45 Resp: 177798
Ion Ratio Lower Upper
45 100
77 50.5 23.3 63.3
79 46.8 20.0 60.0

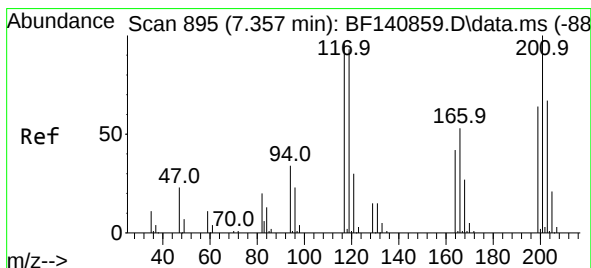
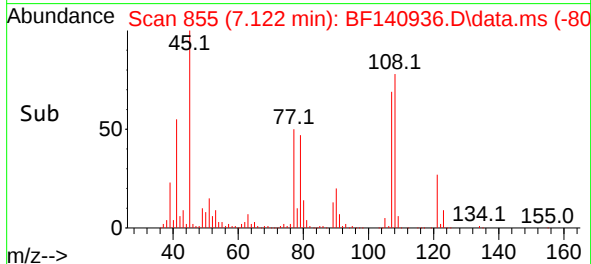
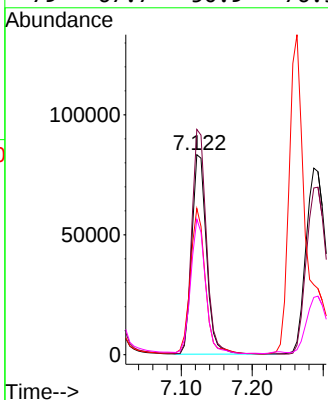
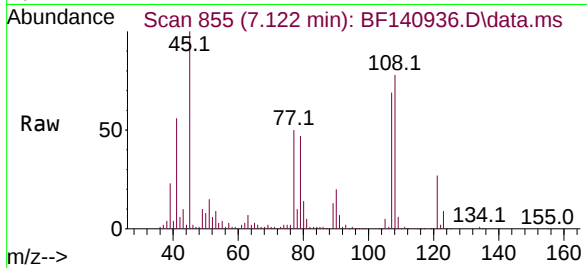




#17
2-Methylphenol
Concen: 39.353 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

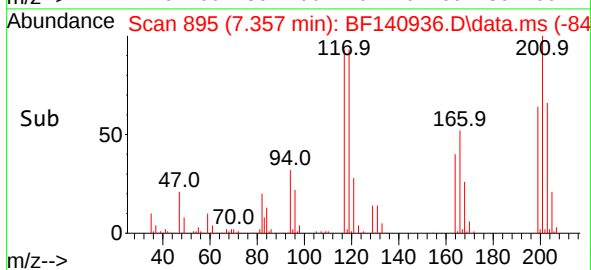
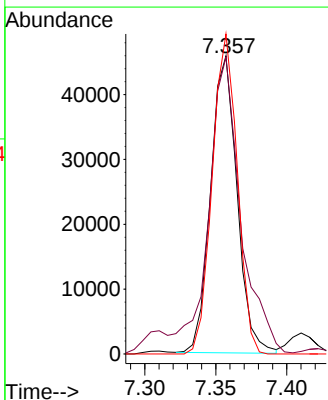
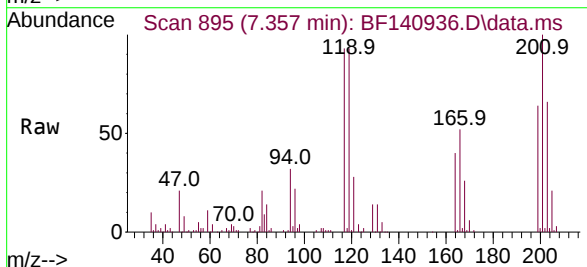
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

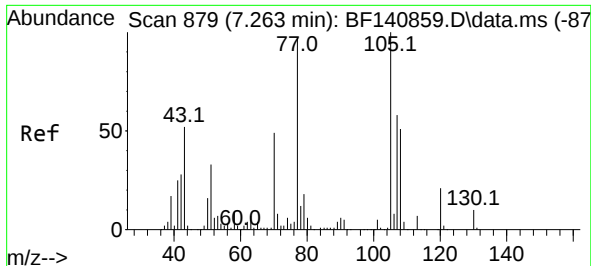
Tgt Ion:	107	Resp:	119878
Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.2	135.4
77	73.1	53.8	80.6
79	67.7	50.9	76.3



#18
Hexachloroethane
Concen: 36.114 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:	117	Resp:	59333
Ion	Ratio	Lower	Upper
117	100		
119	99.6	77.4	116.0
201	107.3	83.4	125.0

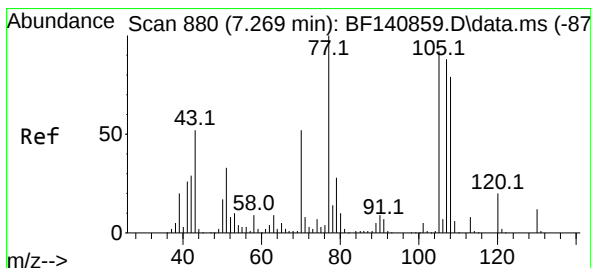
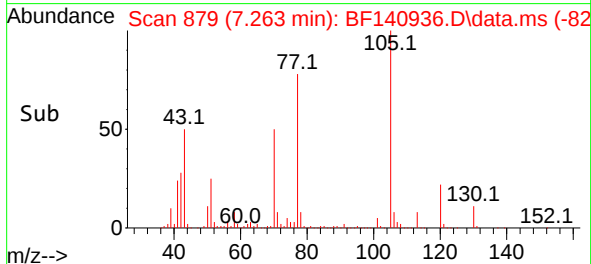
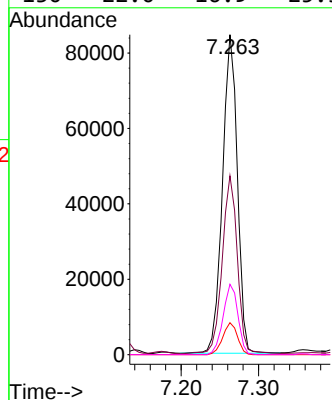
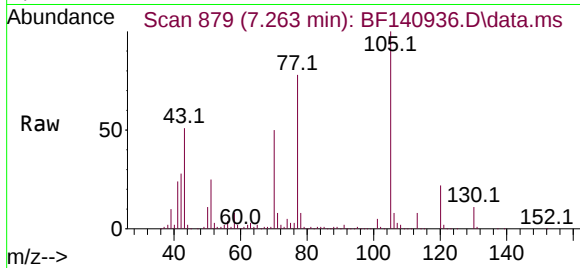




#19
n-Nitroso-di-n-propylamine
Concen: 40.713 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

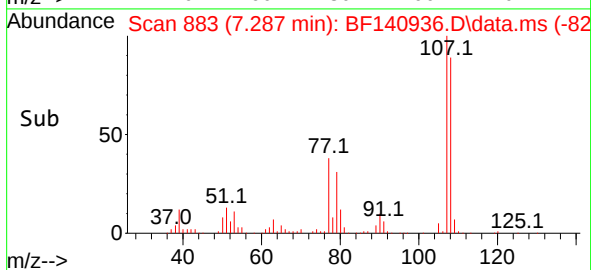
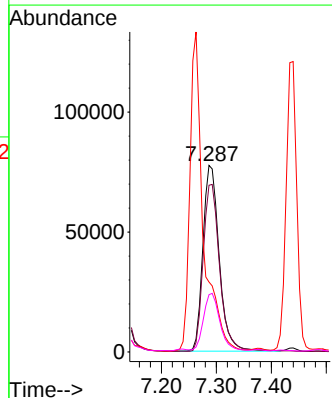
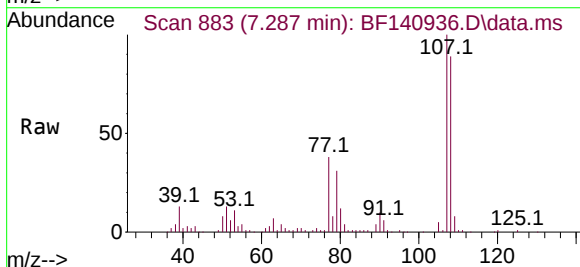
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

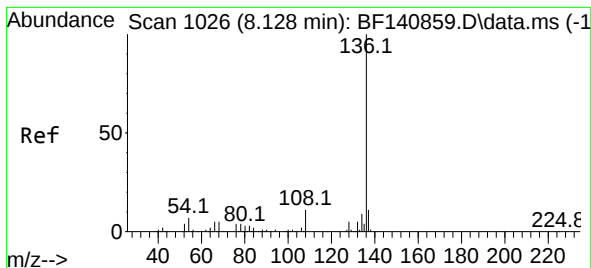
Tgt Ion: 70 Resp: 113176
Ion Ratio Lower Upper
70 100
42 55.9 45.3 67.9
101 10.0 8.0 12.0
130 22.0 16.9 25.3



#20
3+4-Methylphenols
Concen: 39.482 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.018 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:107 Resp: 159481
Ion Ratio Lower Upper
107 100
108 89.4 70.1 110.1
77 37.5 94.4 134.4#
79 30.7 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

Tgt Ion:136 Resp: 185758

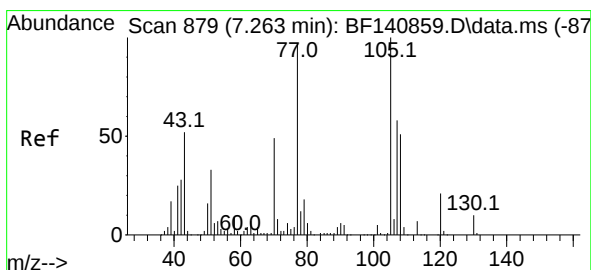
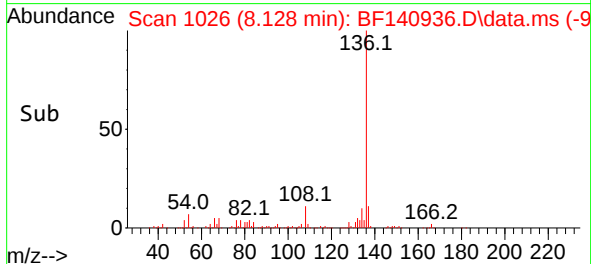
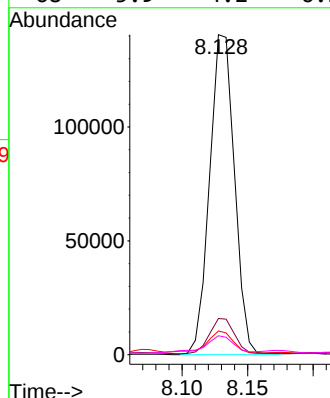
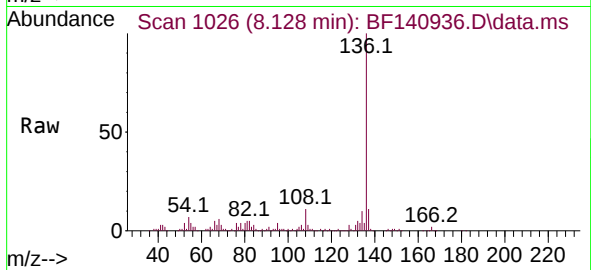
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.4 5.6 8.4

68 5.9 4.2 6.2



#22

Acetophenone

Concen: 49.056 ng

RT: 7.263 min Scan# 879

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Tgt Ion:105 Resp: 227952

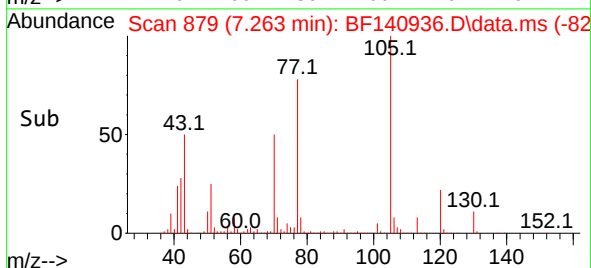
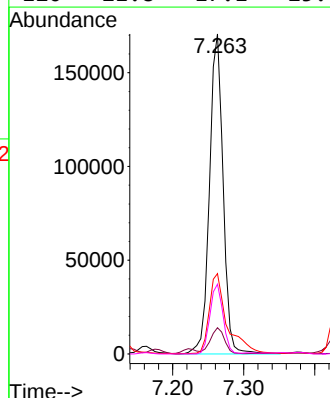
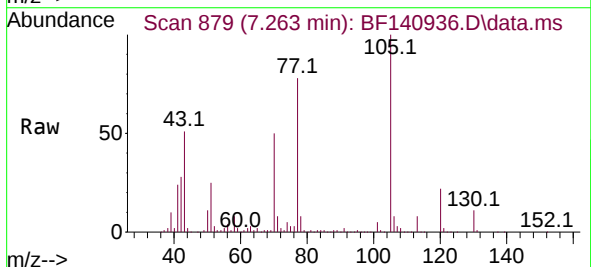
Ion Ratio Lower Upper

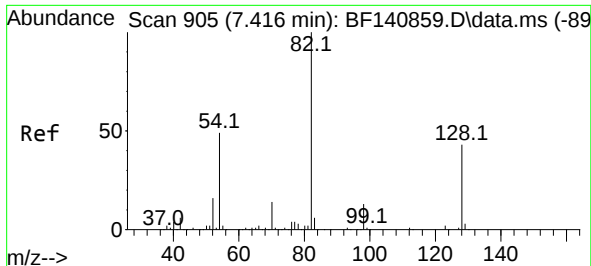
105 100

71 8.2 6.2 9.4

51 25.1 26.3 39.5#

120 21.8 17.1 25.7





#23

Nitrobenzene-d5

Concen: 68.279 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

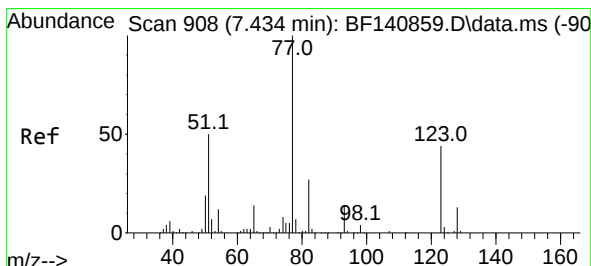
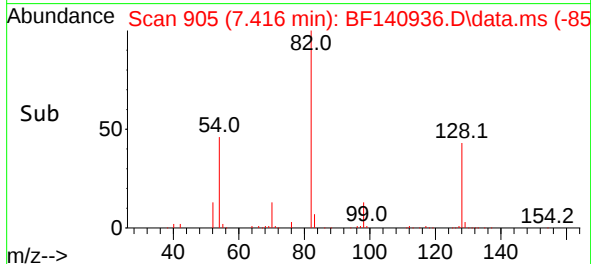
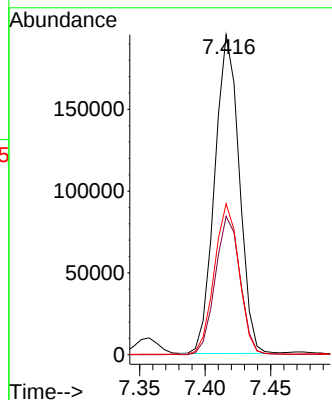
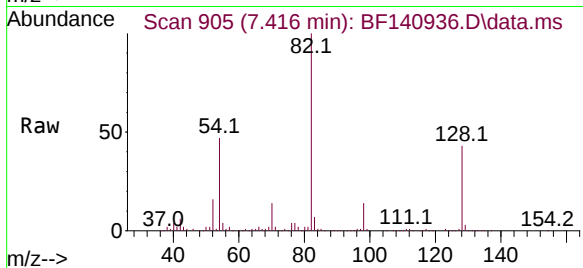
BNA_F

ClientSampleId :

HR-04-121624MSD

Tgt Ion: 82 Resp: 253510

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.4	51.6
54	47.1	38.8	58.2



#24

Nitrobenzene

Concen: 42.224 ng

RT: 7.440 min Scan# 909

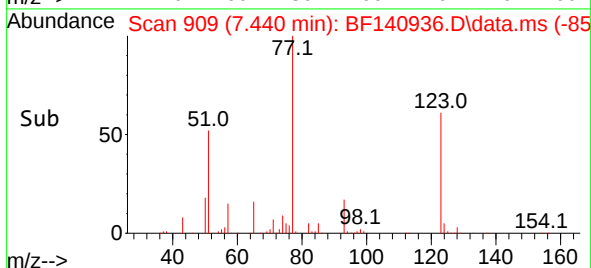
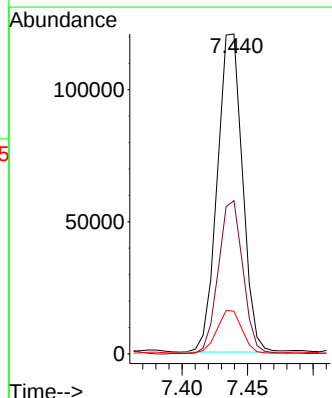
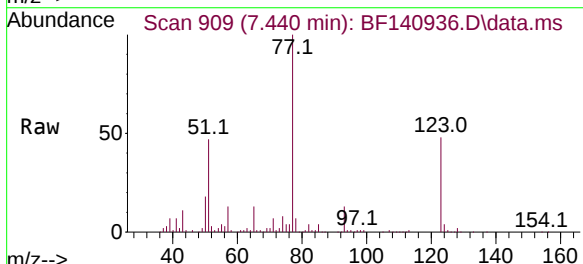
Delta R.T. 0.006 min

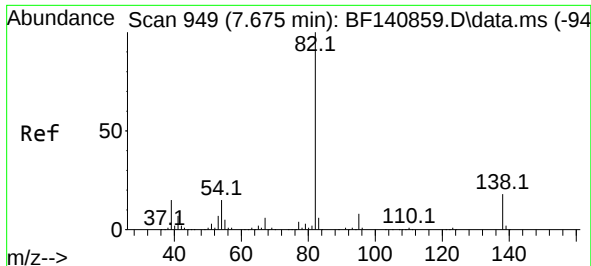
Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Tgt Ion: 77 Resp: 160607

Ion	Ratio	Lower	Upper
77	100		
123	47.9	35.0	52.4
65	13.4	11.4	17.0

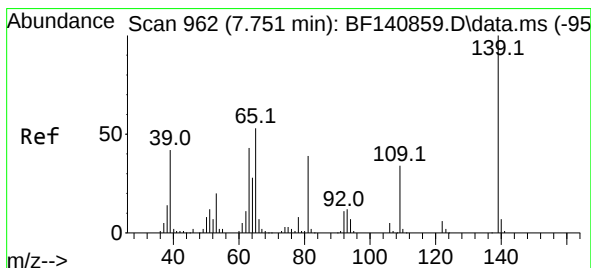
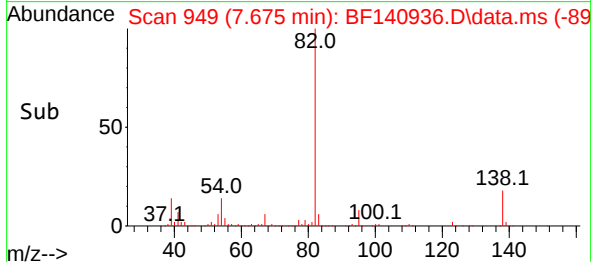
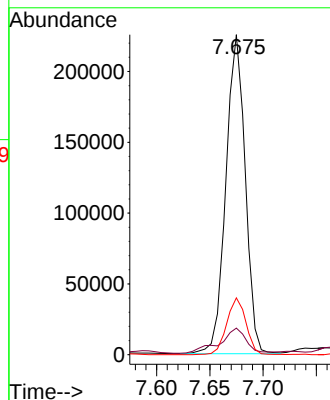
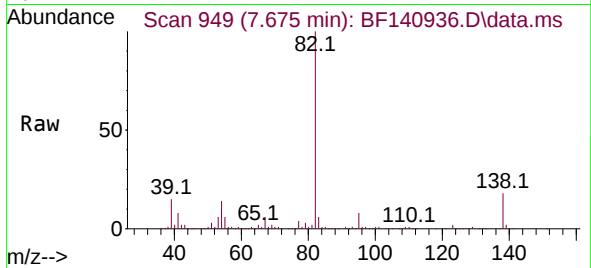




#25
Isophorone
Concen: 45.843 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

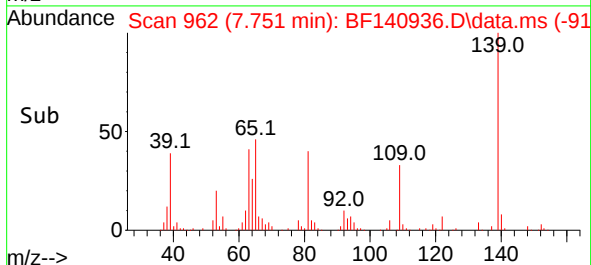
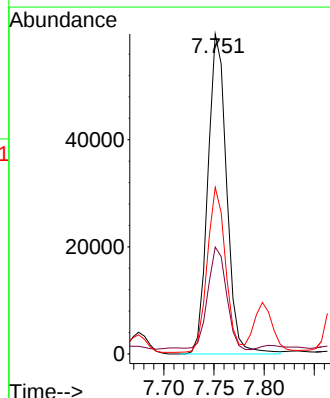
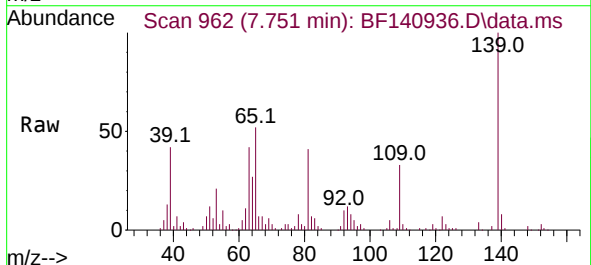
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

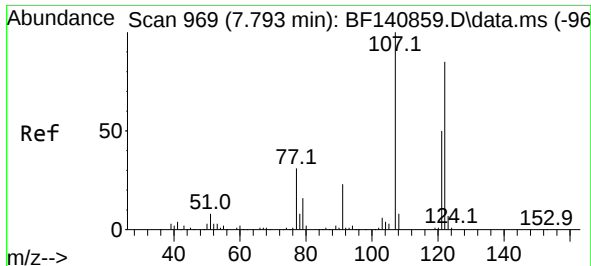
Tgt Ion: 82 Resp: 285190
Ion Ratio Lower Upper
82 100
95 8.3 6.3 9.5
138 17.8 14.1 21.1



#26
2-Nitrophenol
Concen: 44.562 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 139 Resp: 78066
Ion Ratio Lower Upper
139 100
109 33.4 26.9 40.3
65 52.0 42.6 64.0

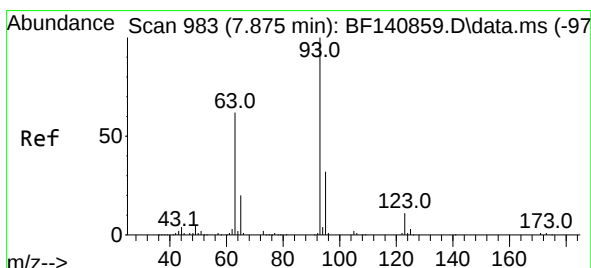
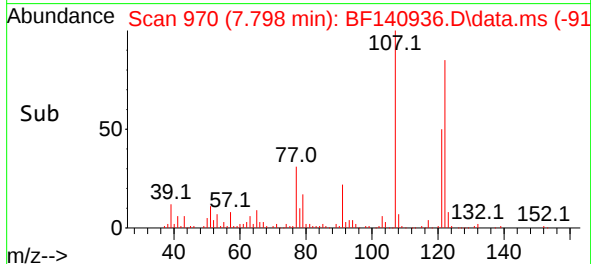
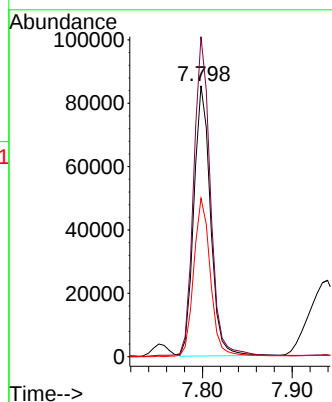
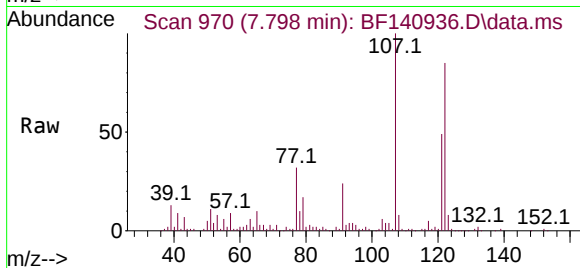




#27
2,4-Dimethylphenol
Concen: 53.636 ng
RT: 7.798 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

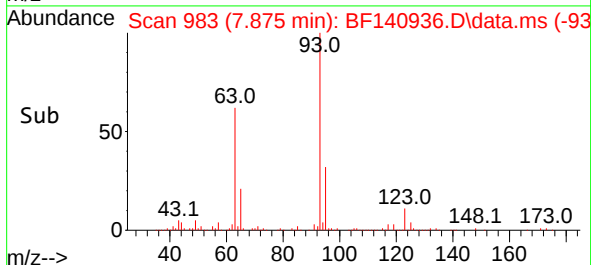
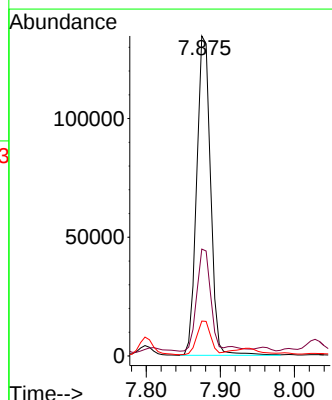
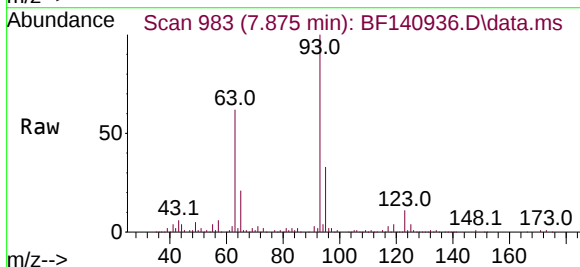
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

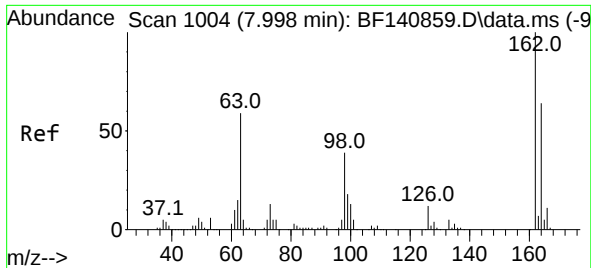
Tgt Ion:122 Resp: 109733
Ion Ratio Lower Upper
122 100
107 118.2 92.6 139.0
121 58.5 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 45.163 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 93 Resp: 175483
Ion Ratio Lower Upper
93 100
95 33.4 25.3 37.9
123 10.9 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 42.586 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.023 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

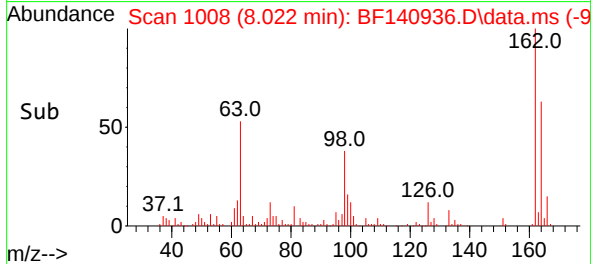
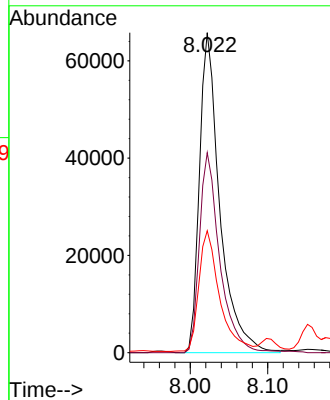
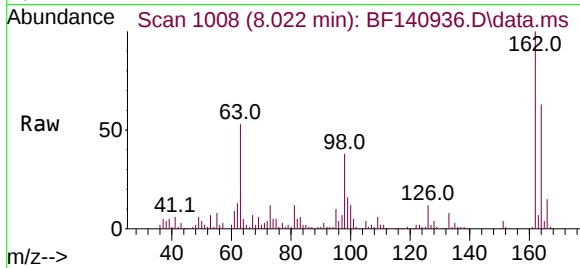
Tgt Ion:162 Resp: 120287

Ion Ratio Lower Upper

162 100

164 62.5 43.7 83.7

98 38.1 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 40.873 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

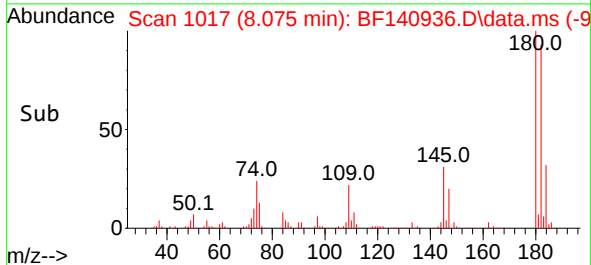
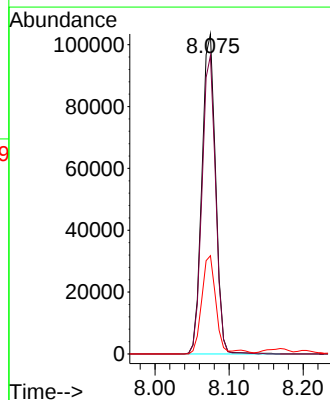
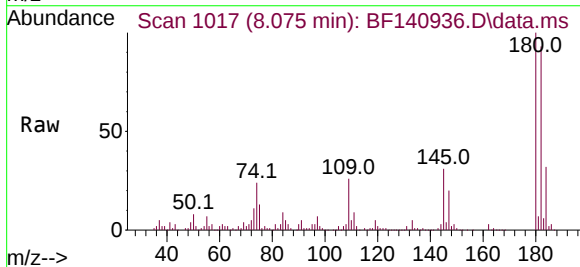
Tgt Ion:180 Resp: 132346

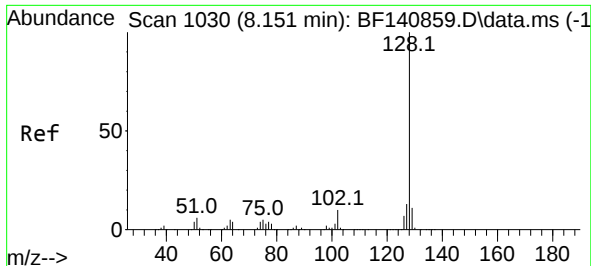
Ion Ratio Lower Upper

180 100

182 93.2 75.8 113.6

145 30.7 25.2 37.8





#31

Naphthalene

Concen: 42.315 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

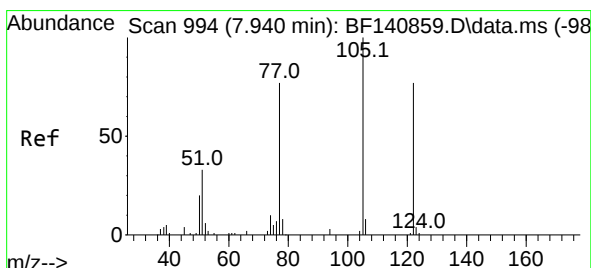
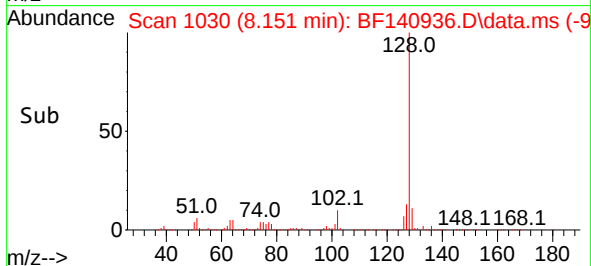
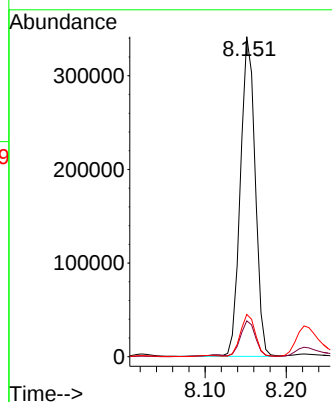
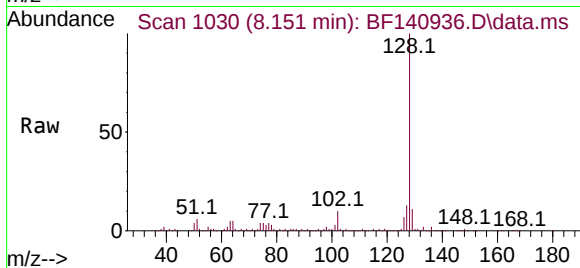
Tgt Ion:128 Resp: 431778

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 31.250 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.001 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

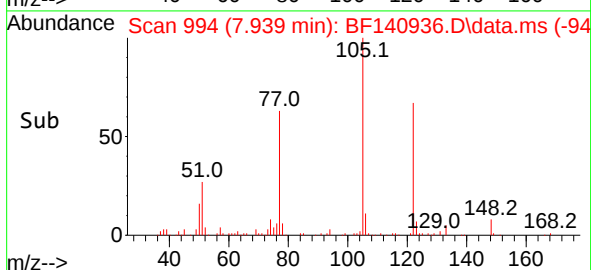
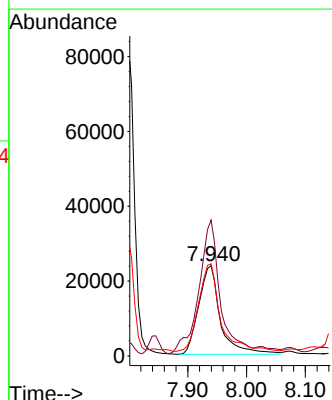
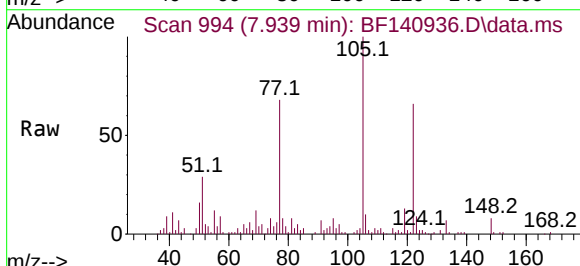
Tgt Ion:122 Resp: 60635

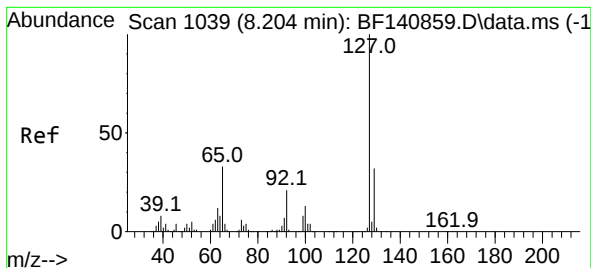
Ion Ratio Lower Upper

122 100

105 150.6 108.3 148.3#

77 102.3 78.8 118.8





#33

4-Chloroaniline

Concen: 19.567 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.018 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

Tgt Ion:127 Resp: 66311

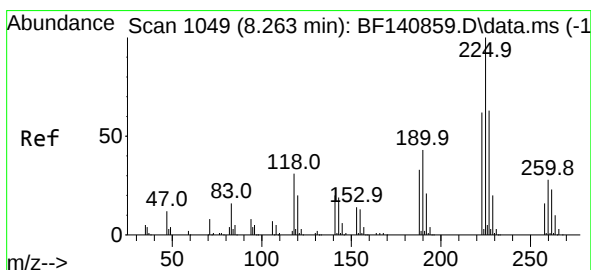
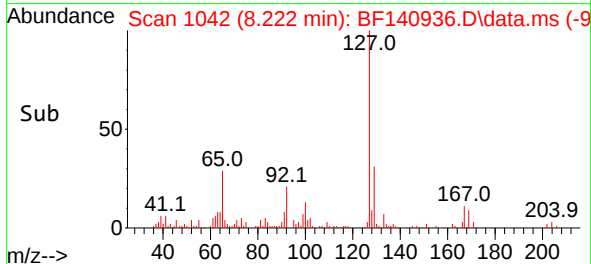
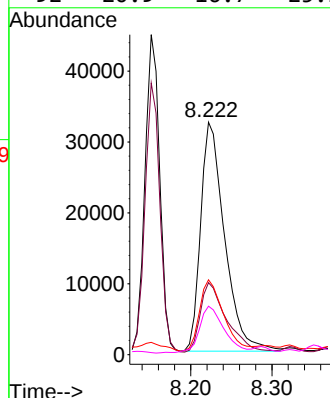
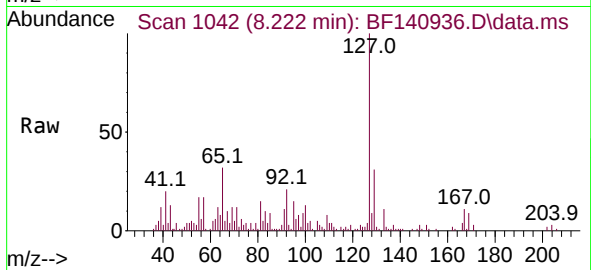
Ion Ratio Lower Upper

127 100

129 30.9 26.0 39.0

65 32.2 26.0 39.0

92 20.9 16.7 25.1



#34

Hexachlorobutadiene

Concen: 41.611 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

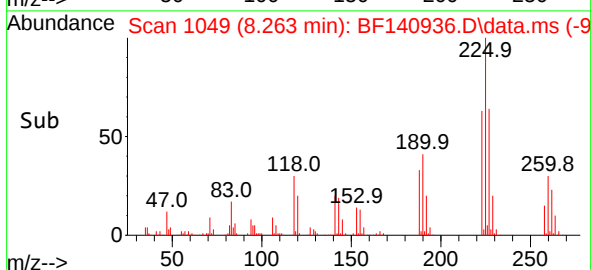
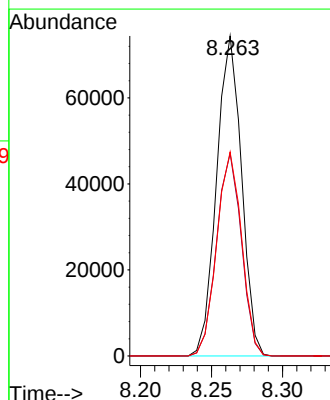
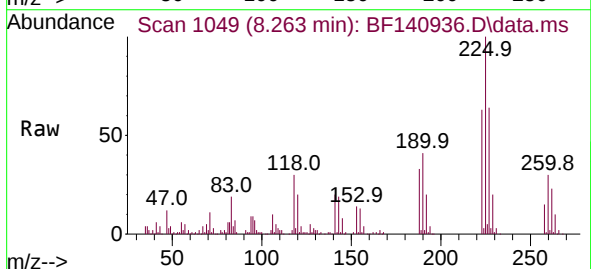
Tgt Ion:225 Resp: 90650

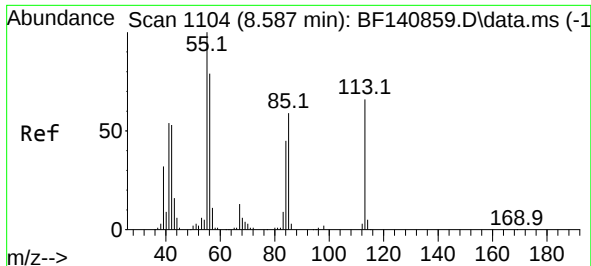
Ion Ratio Lower Upper

225 100

223 63.2 49.6 74.4

227 63.8 50.7 76.1

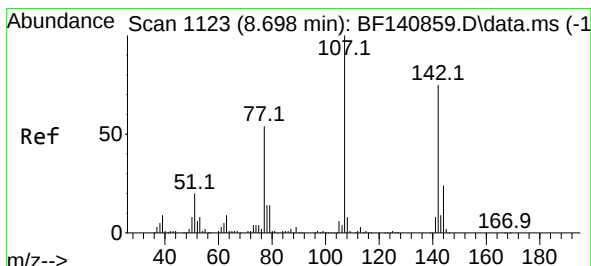
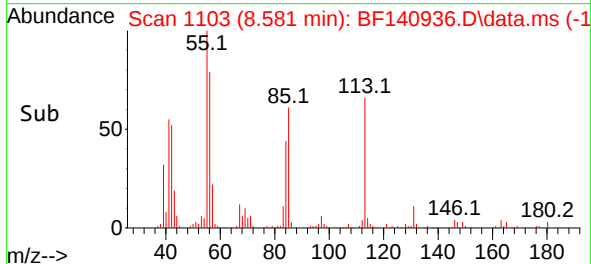
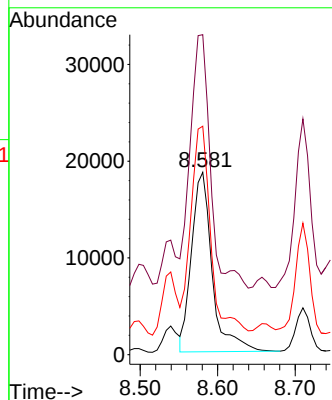
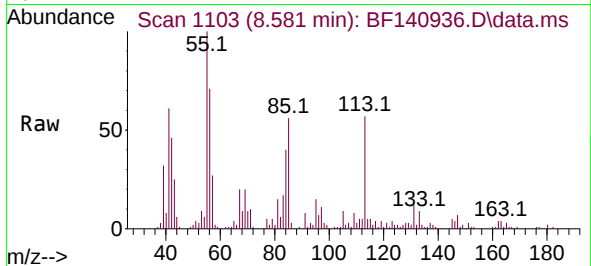




#35
Caprolactam
Concen: 40.935 ng
RT: 8.581 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

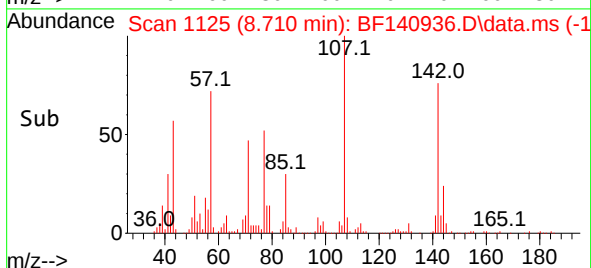
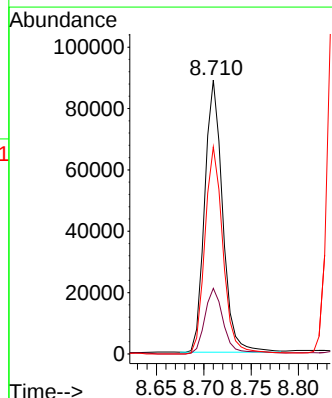
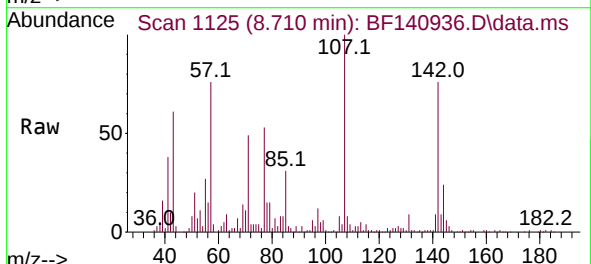
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

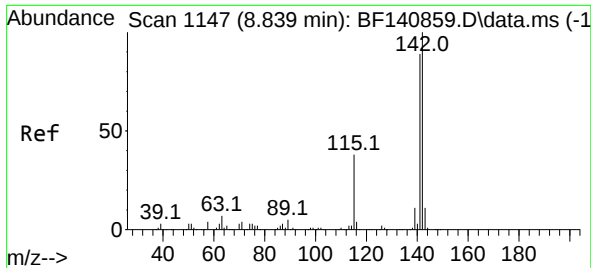
Tgt Ion:113 Resp: 34422
Ion Ratio Lower Upper
113 100
55 175.4 132.3 172.3#
56 125.2 100.3 140.3



#36
4-Chloro-3-methylphenol
Concen: 36.649 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:107 Resp: 116511
Ion Ratio Lower Upper
107 100
144 24.0 19.4 29.2
142 75.6 60.3 90.5

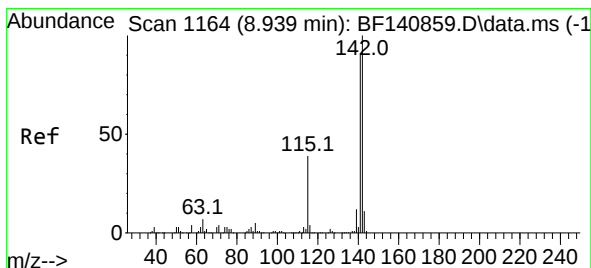
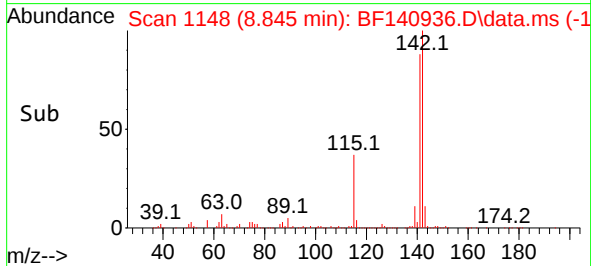
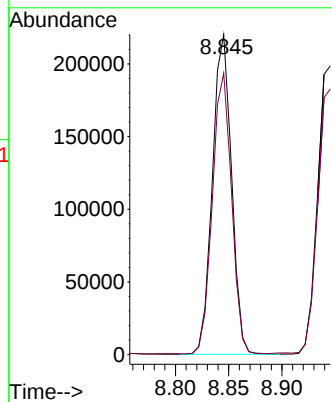
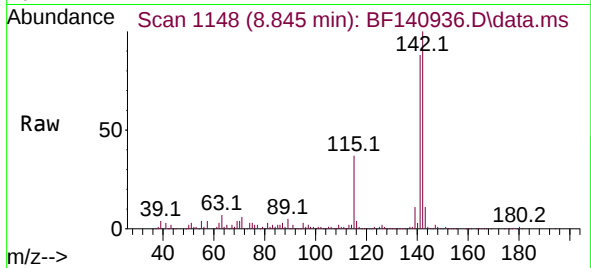




#37
2-Methylnaphthalene
Concen: 40.643 ng
RT: 8.845 min Scan# 1147
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

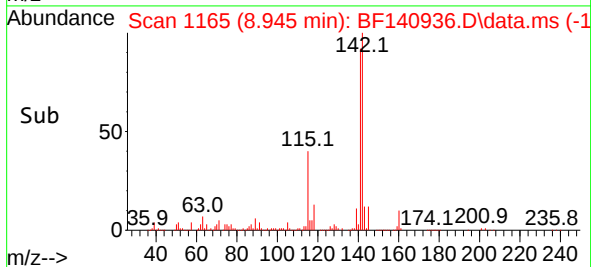
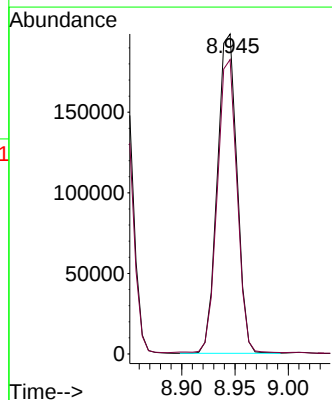
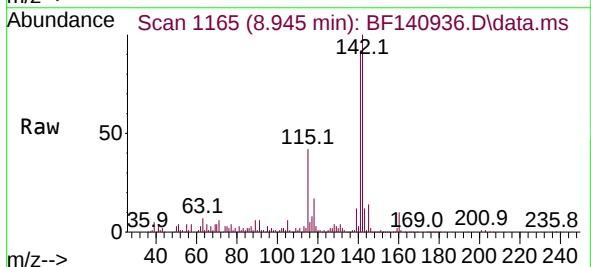
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

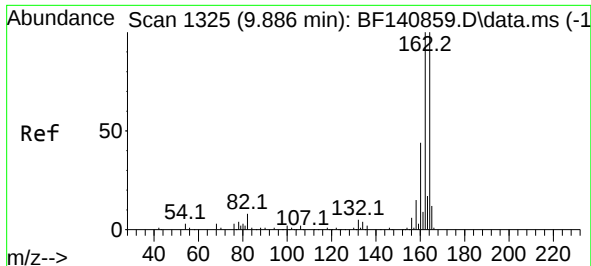
Tgt Ion:142 Resp: 274333
Ion Ratio Lower Upper
142 100
141 88.0 71.0 106.6



#38
1-Methylnaphthalene
Concen: 38.106 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:142 Resp: 254378
Ion Ratio Lower Upper
142 100
141 92.0 73.4 110.0

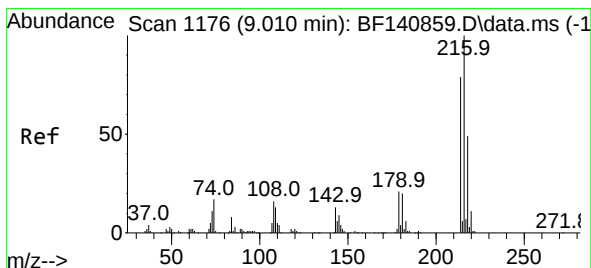
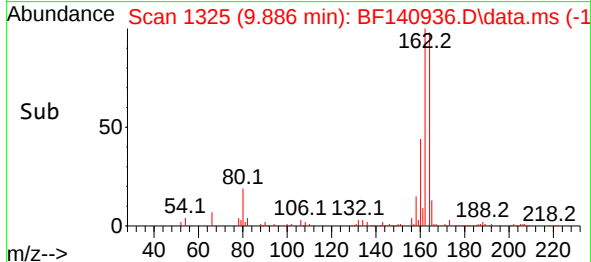
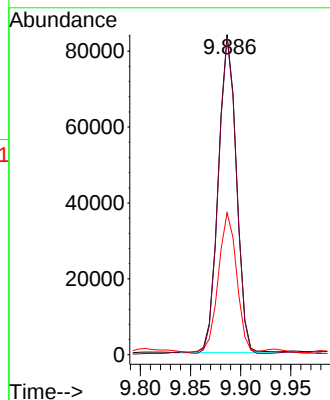
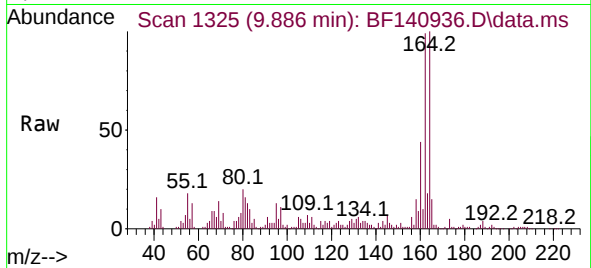




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

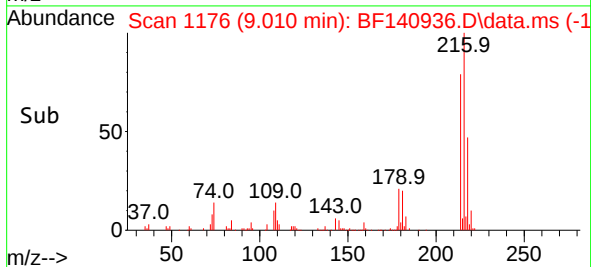
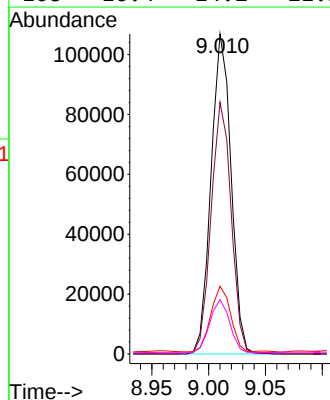
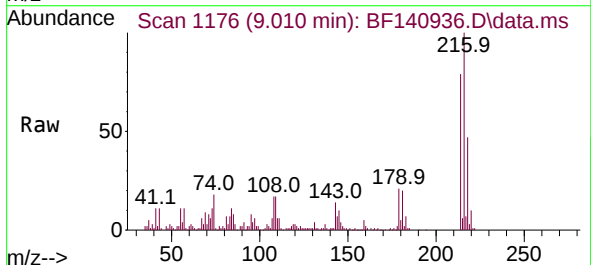
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

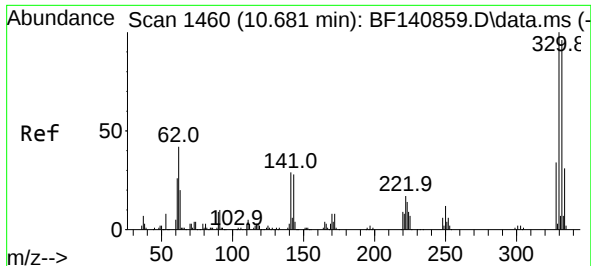
Tgt Ion:164 Resp: 104796
Ion Ratio Lower Upper
164 100
162 99.2 79.9 119.9
160 44.4 35.2 52.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.757 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:216 Resp: 131281
Ion Ratio Lower Upper
216 100
214 78.5 63.6 95.4
179 20.2 17.0 25.4
108 16.4 14.2 21.2





#42

2,4,6-Tribromophenol

Concen: 84.481 ng

RT: 10.686 min Scan# 1460

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

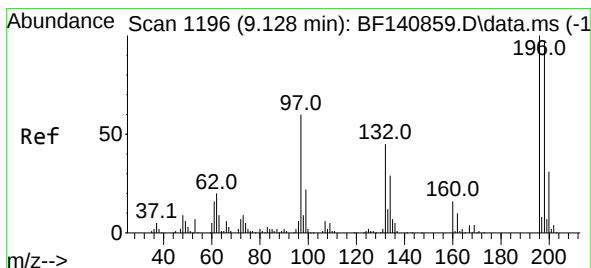
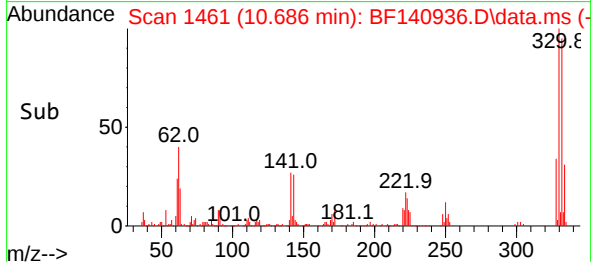
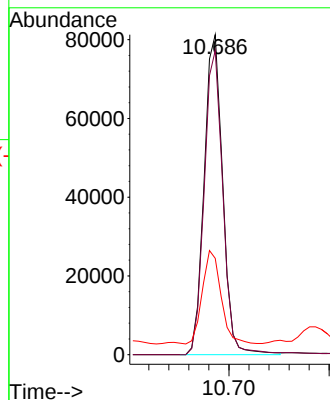
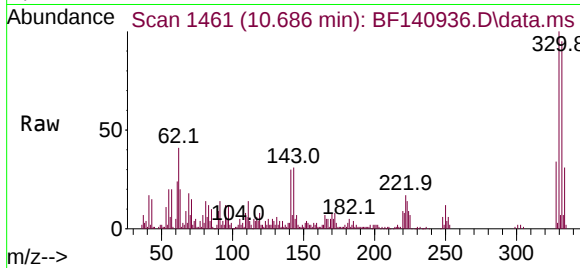
Tgt Ion:330 Resp: 104709

Ion Ratio Lower Upper

330 100

332 96.3 76.2 114.4

141 29.6 24.9 37.3



#43

2,4,6-Trichlorophenol

Concen: 40.170 ng

RT: 9.134 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

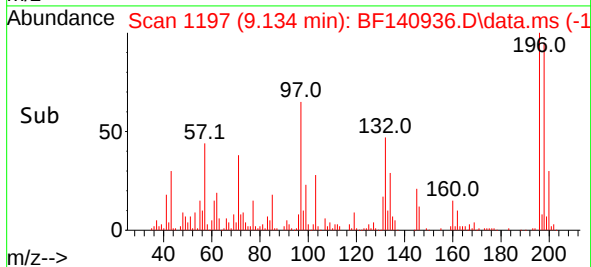
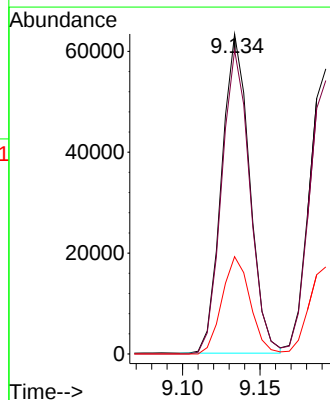
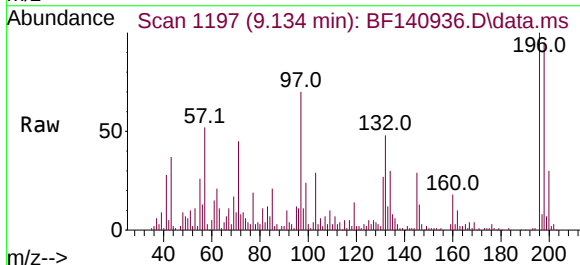
Tgt Ion:196 Resp: 79228

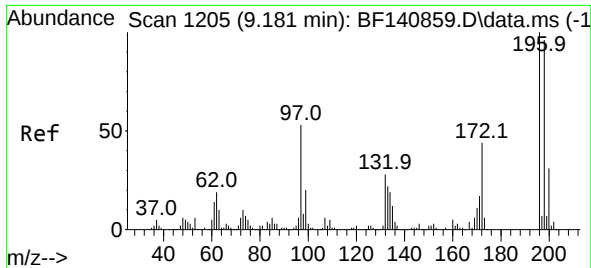
Ion Ratio Lower Upper

196 100

198 94.9 77.4 116.0

200 30.4 24.5 36.7

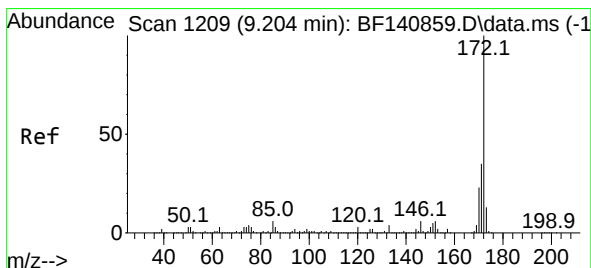
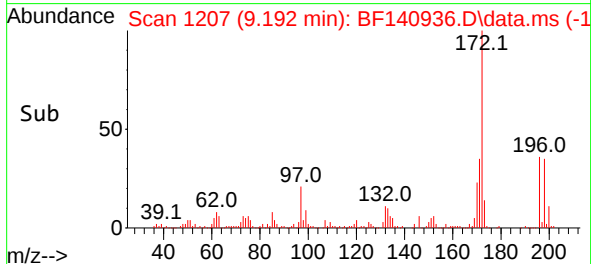
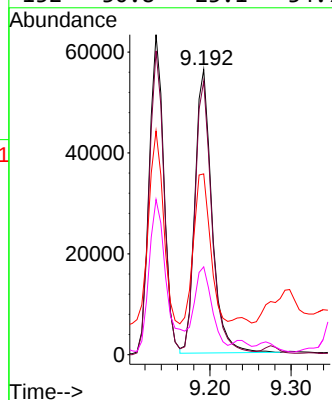
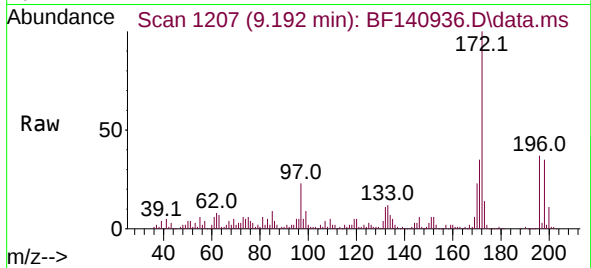




#44
2,4,5-Trichlorophenol
Concen: 37.800 ng
RT: 9.192 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

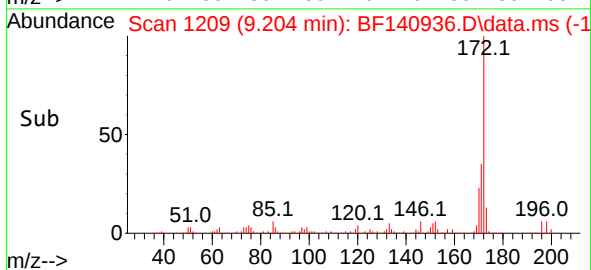
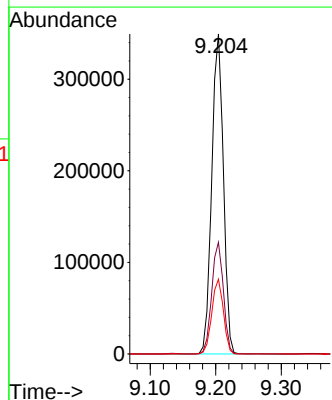
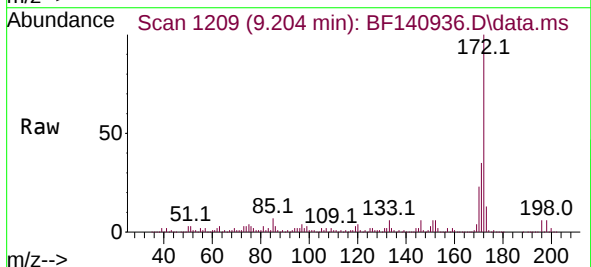
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

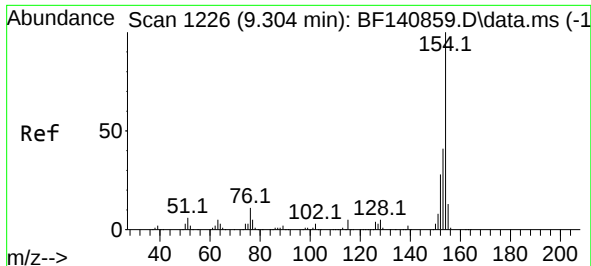
Tgt Ion:196 Resp: 81944
Ion Ratio Lower Upper
196 100
198 95.9 77.2 115.8
97 63.4 42.2 63.4#
132 30.8 23.1 34.7



#45
2-Fluorobiphenyl
Concen: 56.687 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:172 Resp: 432088
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.4 18.6 28.0

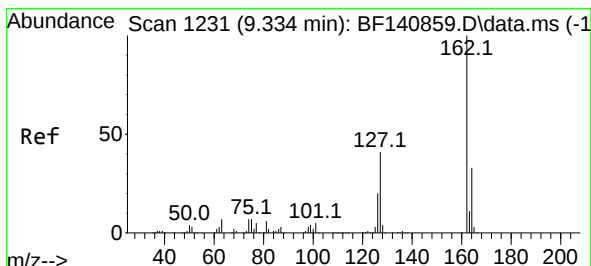
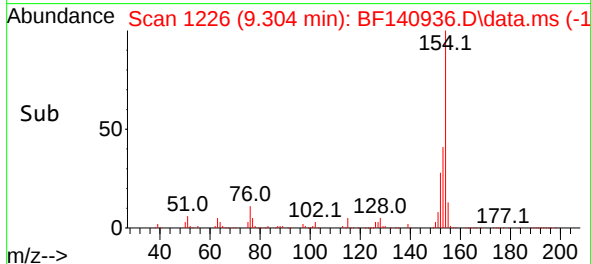
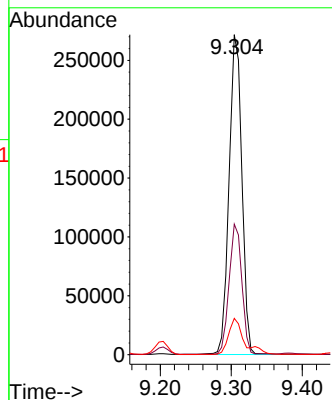
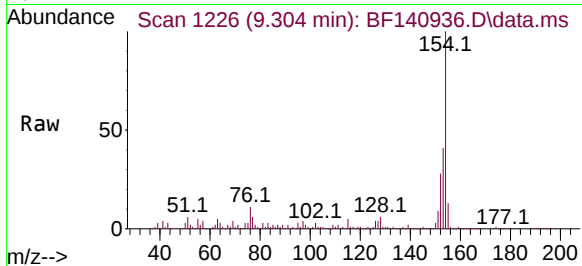




#46
1,1'-Biphenyl
Concen: 40.759 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

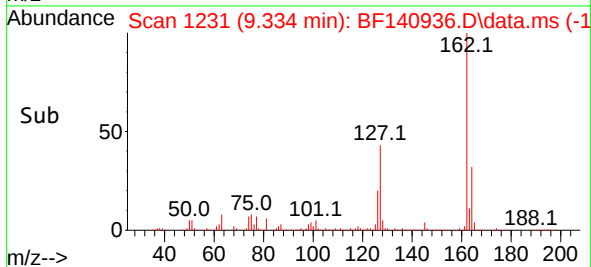
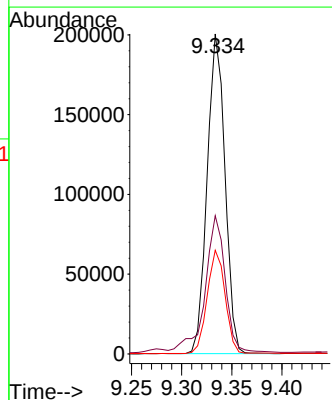
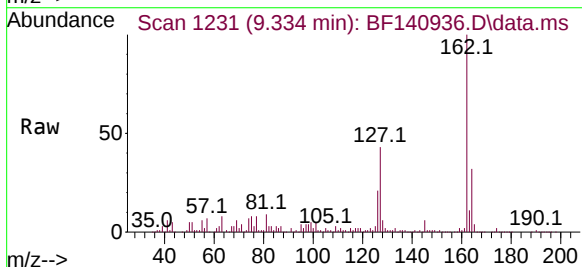
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

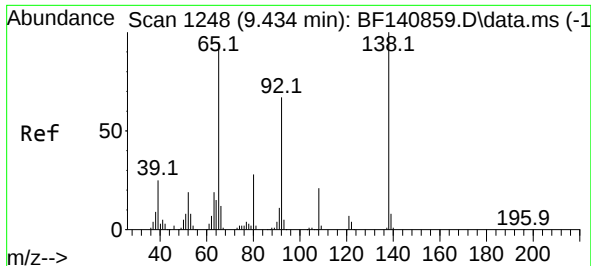
Tgt Ion:154 Resp: 339650
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 11.3 0.0 31.0



#47
2-Chloronaphthalene
Concen: 38.996 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:162 Resp: 248602
Ion Ratio Lower Upper
162 100
127 43.2 33.5 50.3
164 32.4 26.2 39.2

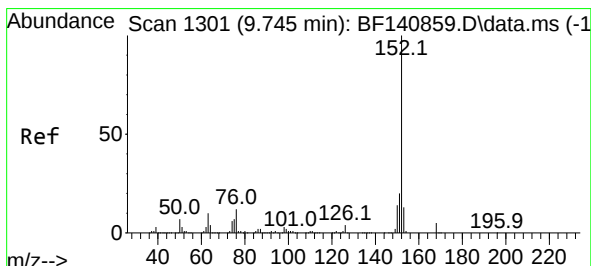
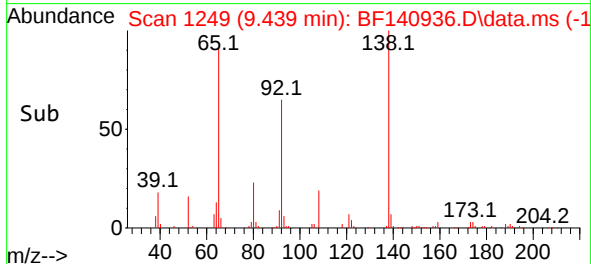
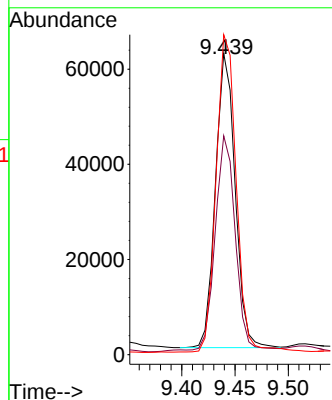
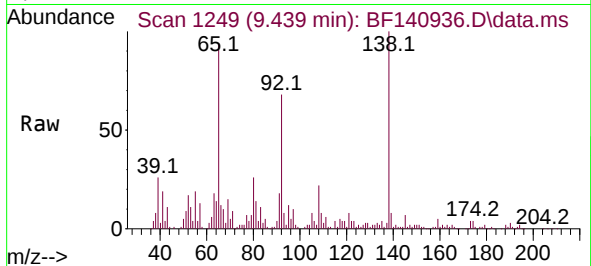




#48
2-Nitroaniline
Concen: 41.206 ng
RT: 9.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

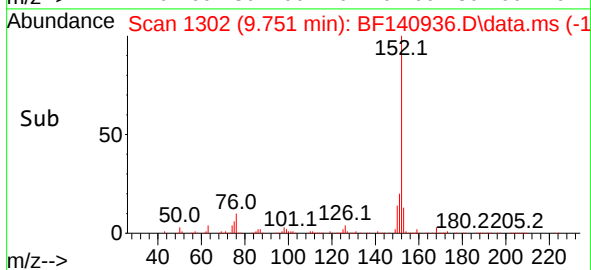
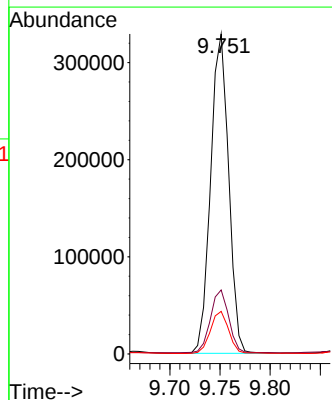
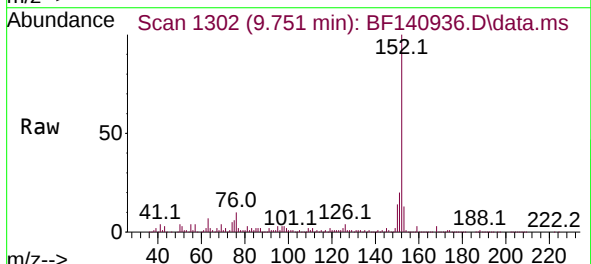
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

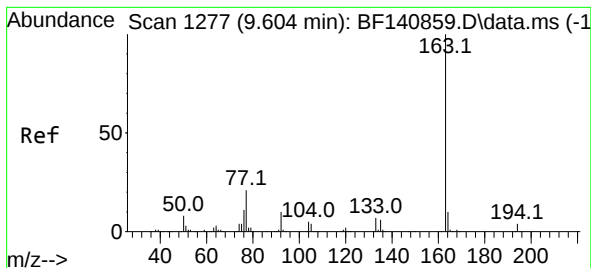
Tgt Ion: 65 Resp: 79335
Ion Ratio Lower Upper
65 100
92 72.6 56.3 84.5
138 106.2 83.8 125.6



#49
Acenaphthylene
Concen: 43.897 ng
RT: 9.751 min Scan# 1302
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 152 Resp: 411253
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.3 10.6 16.0





#50

Dimethylphthalate

Concen: 40.719 ng

RT: 9.604 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

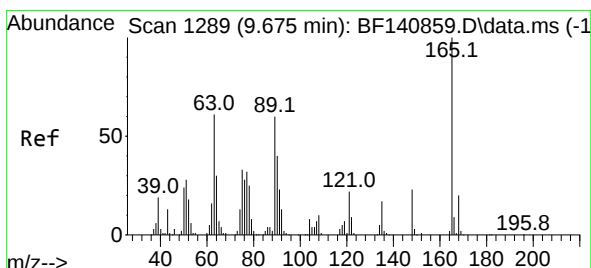
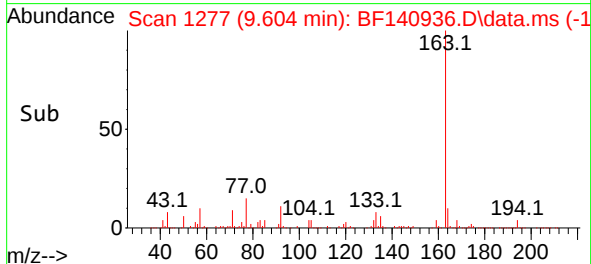
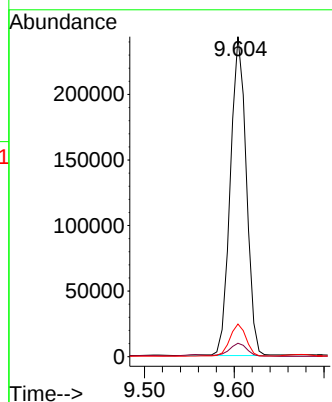
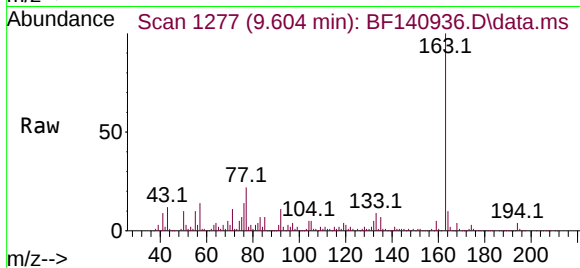
Tgt Ion:163 Resp: 300849

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

164 10.2 8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 37.326 ng

RT: 9.681 min Scan# 1290

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

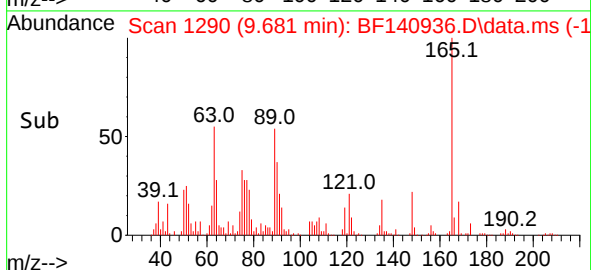
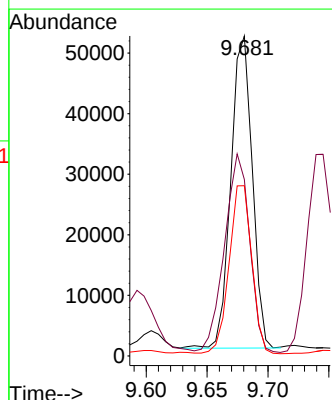
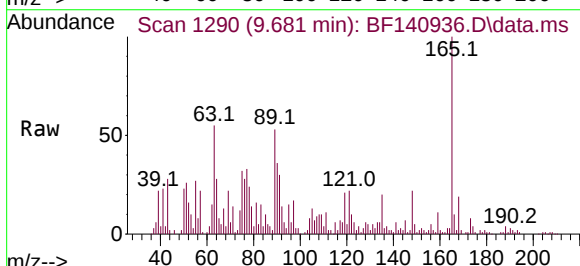
Tgt Ion:165 Resp: 63045

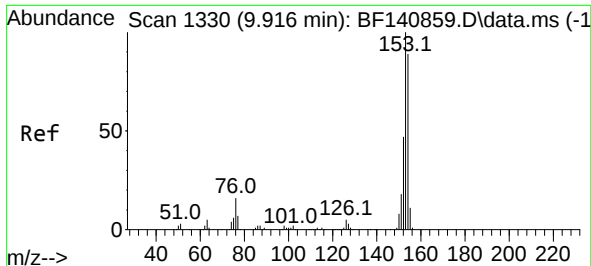
Ion Ratio Lower Upper

165 100

63 55.2 49.7 74.5

89 53.2 48.2 72.4

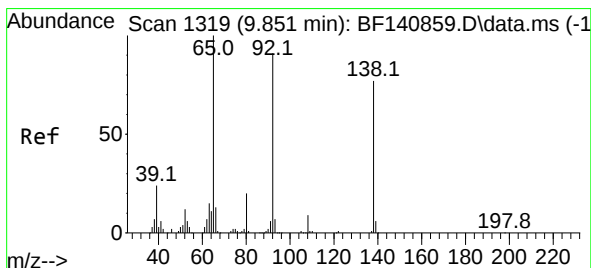
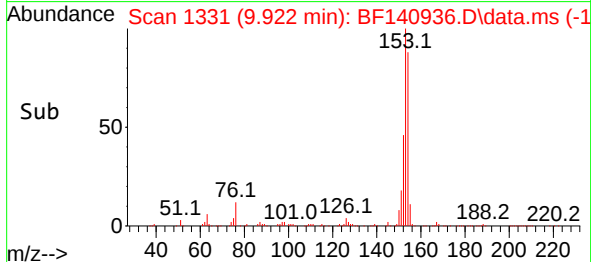
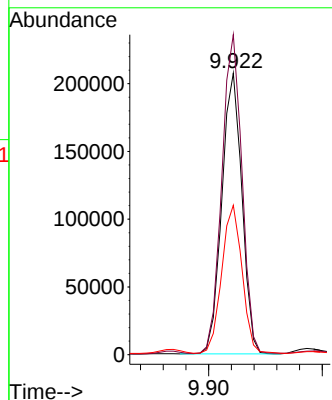
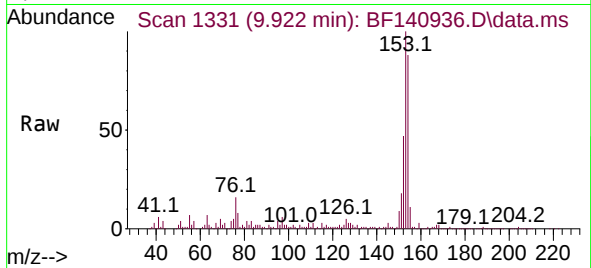




#52
Acenaphthene
Concen: 42.468 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

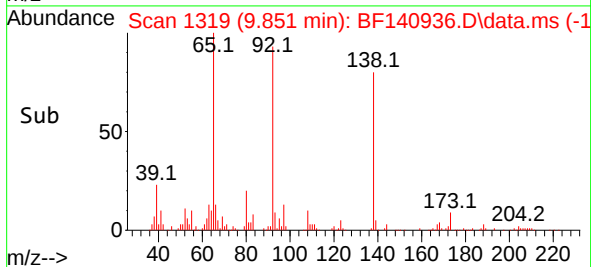
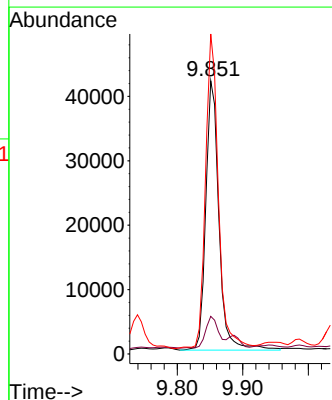
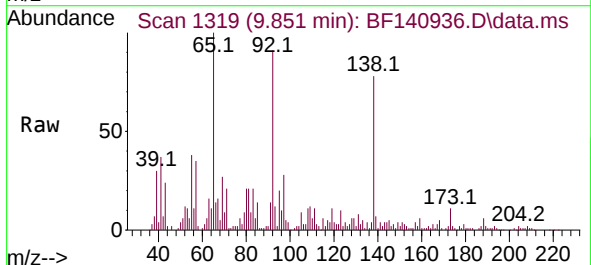
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

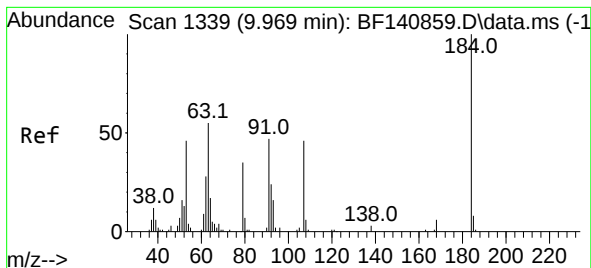
Tgt Ion:154 Resp: 254149
Ion Ratio Lower Upper
154 100
153 113.6 89.9 134.9
152 53.0 42.6 63.8



#53
3-Nitroaniline
Concen: 34.834 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:138 Resp: 58388
Ion Ratio Lower Upper
138 100
108 13.7 9.0 13.4#
92 117.2 95.5 143.3





#54

2,4-Dinitrophenol

Concen: 17.662 ng

RT: 9.986 min Scan# 1342

Delta R.T. 0.017 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

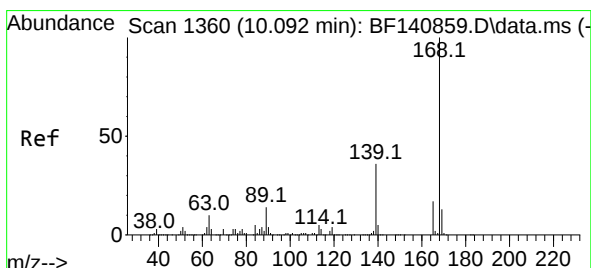
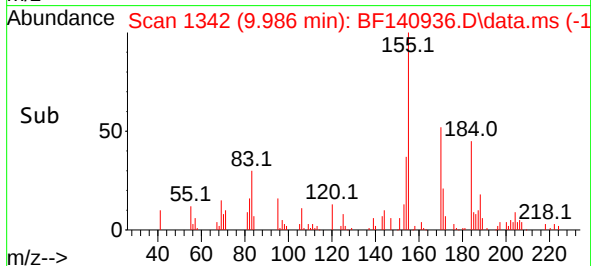
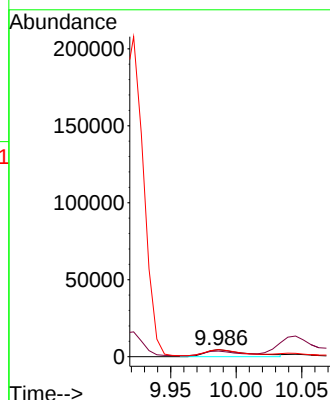
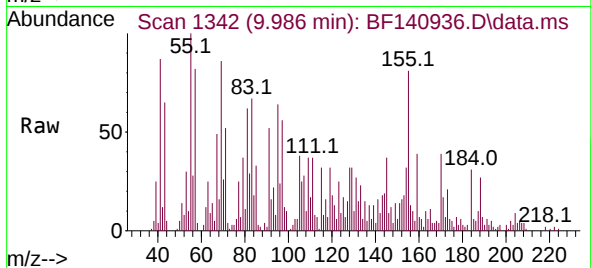
Tgt Ion:184 Resp: 9981

Ion Ratio Lower Upper

184 100

63 80.6 51.6 77.4#

154 100.8 56.1 84.1#



#55

Dibenzofuran

Concen: 40.906 ng

RT: 10.092 min Scan# 1360

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

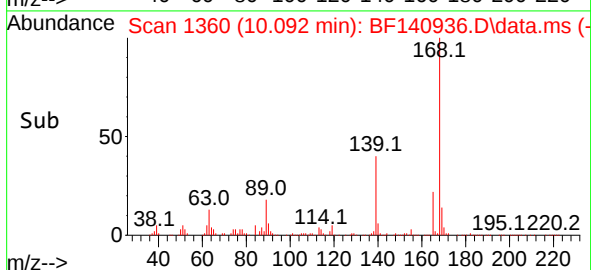
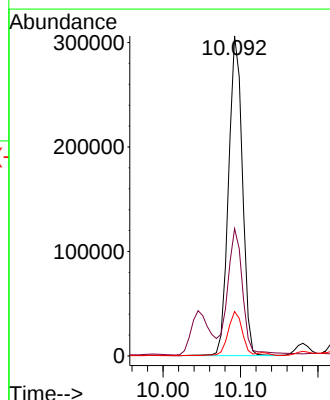
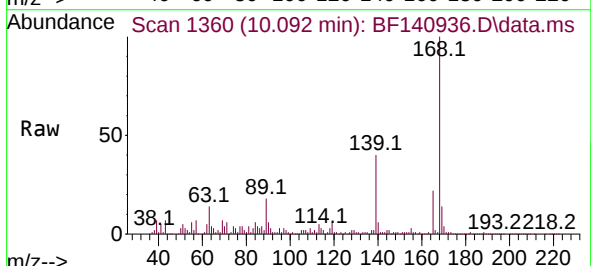
Tgt Ion:168 Resp: 379334

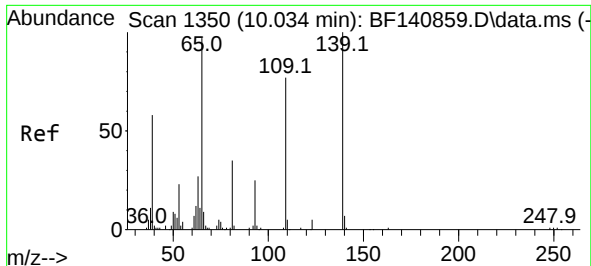
Ion Ratio Lower Upper

168 100

139 39.8 31.1 46.7

169 13.9 10.6 16.0

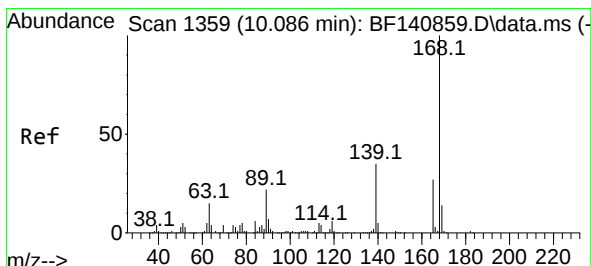
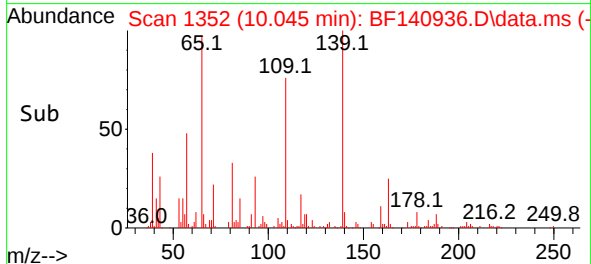
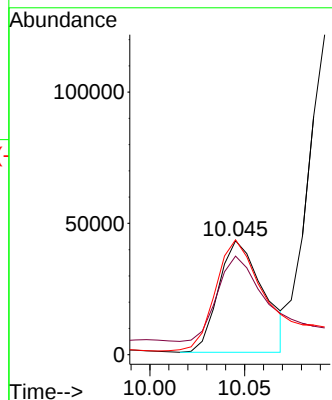
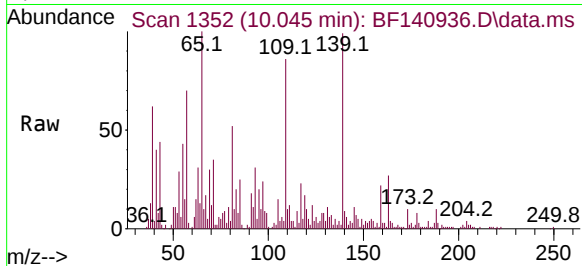




#56
4-Nitrophenol
Concen: 77.348 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.011 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

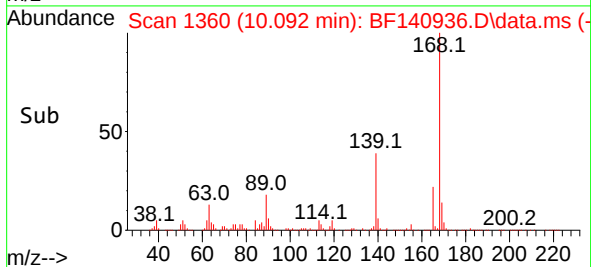
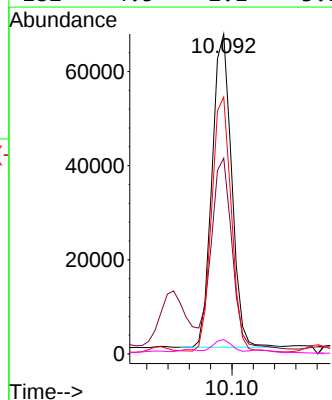
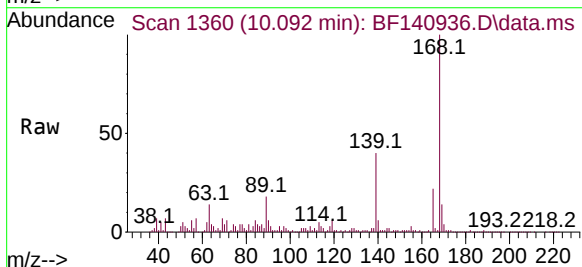
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

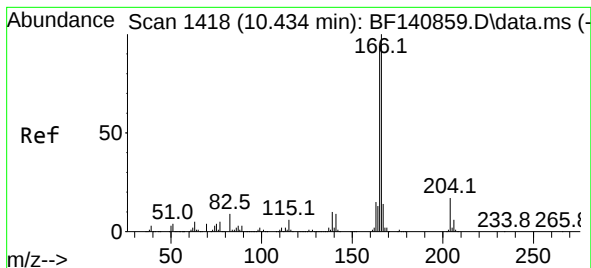
Tgt Ion:139 Resp: 69599
Ion Ratio Lower Upper
139 100
109 86.5 56.7 96.7
65 100.8 78.1 118.1



#57
2,4-Dinitrotoluene
Concen: 38.176 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:165 Resp: 84840
Ion Ratio Lower Upper
165 100
63 61.2 49.3 73.9
89 80.3 66.2 99.4
182 4.5 2.1 3.1#





#58

Fluorene

Concen: 39.898 ng

RT: 10.439 min Scan# 1418

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

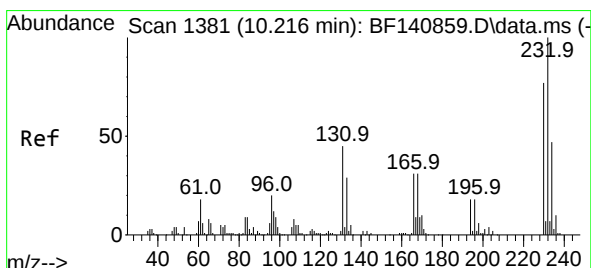
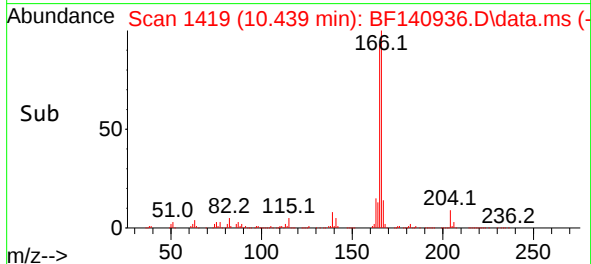
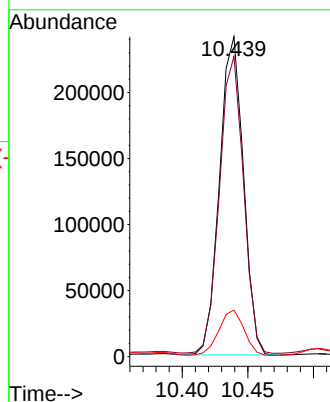
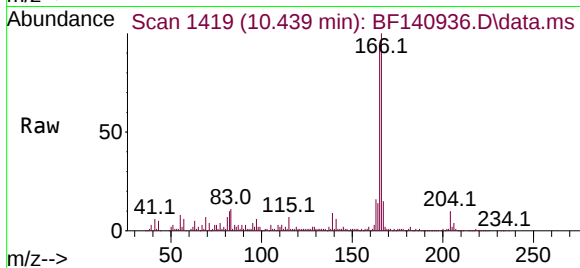
Tgt Ion:166 Resp: 305233

Ion Ratio Lower Upper

166 100

165 93.9 75.1 112.7

167 14.6 11.1 16.7



#59

2,3,4,6-Tetrachlorophenol

Concen: 42.587 ng

RT: 10.222 min Scan# 1382

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Tgt Ion:232 Resp: 75228

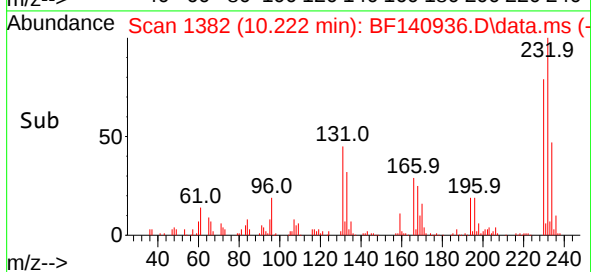
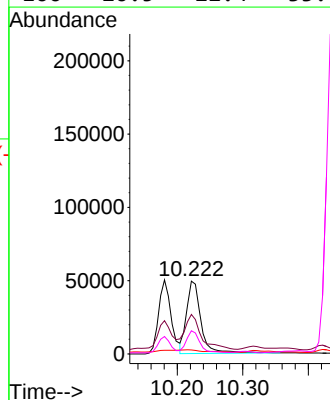
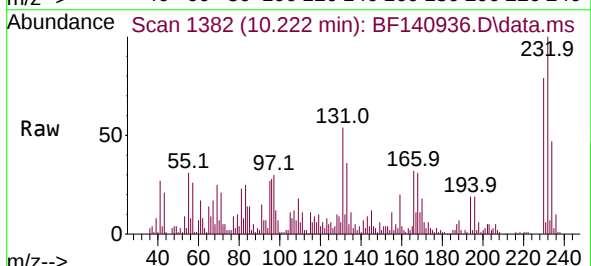
Ion Ratio Lower Upper

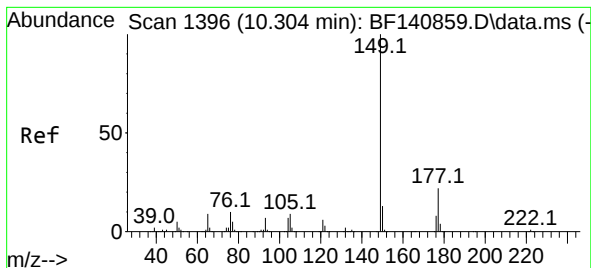
232 100

131 54.3 35.1 52.7#

130 7.1 1.8 2.8#

166 26.5 22.4 33.6





#60

Diethylphthalate

Concen: 39.653 ng

RT: 10.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

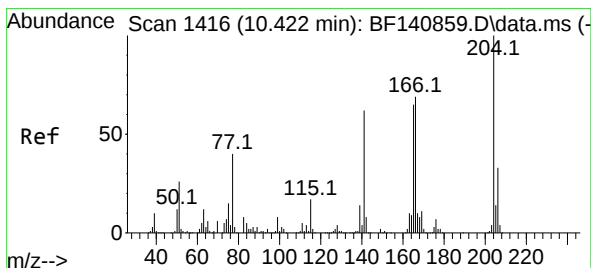
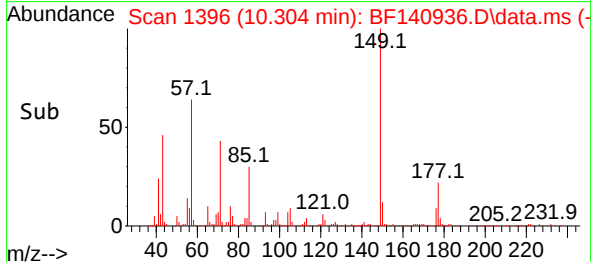
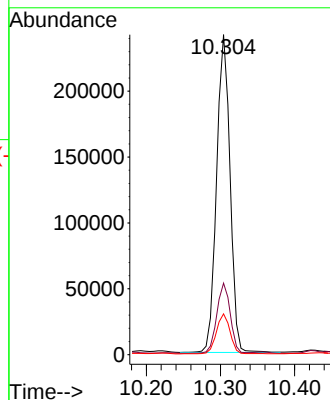
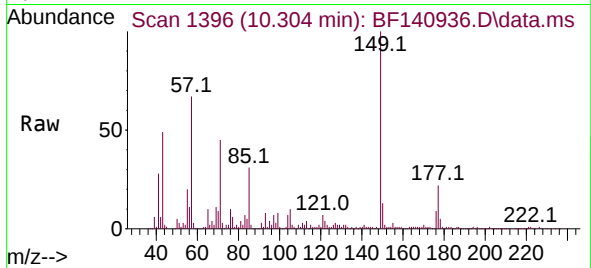
Tgt Ion:149 Resp: 303804

Ion Ratio Lower Upper

149 100

177 22.3 17.2 25.8

150 12.8 10.1 15.1



#61

4-Chlorophenyl-phenylether

Concen: 38.015 ng

RT: 10.428 min Scan# 1417

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

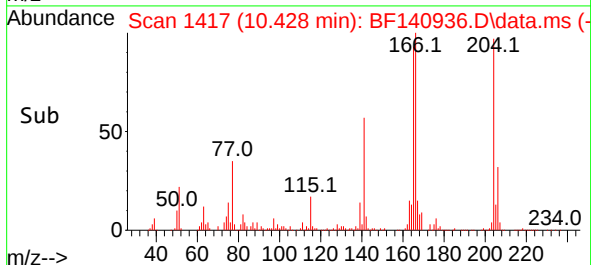
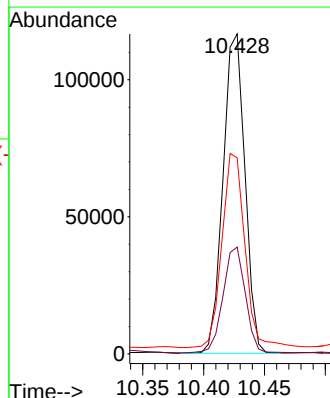
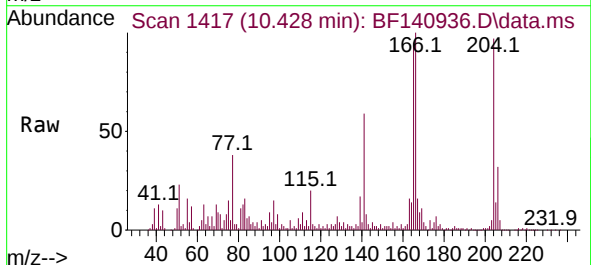
Tgt Ion:204 Resp: 146089

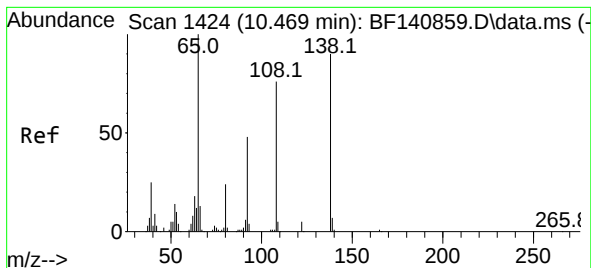
Ion Ratio Lower Upper

204 100

206 33.4 26.5 39.7

141 61.3 50.0 75.0

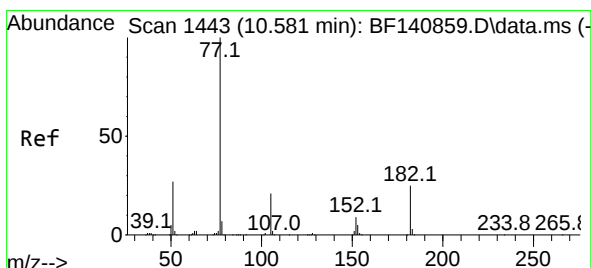
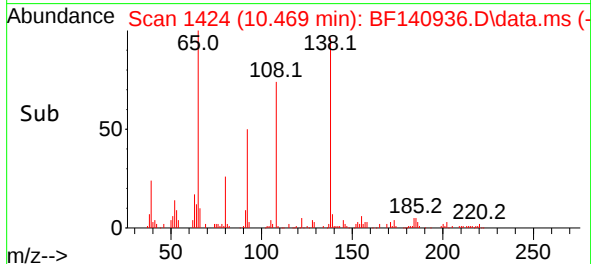
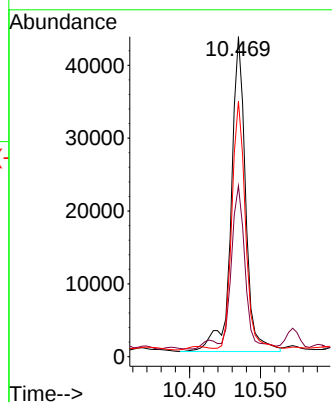
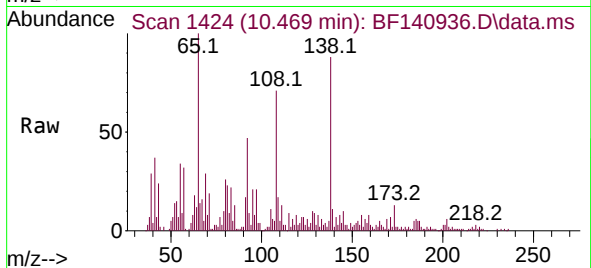




#62
4-Nitroaniline
Concen: 35.120 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

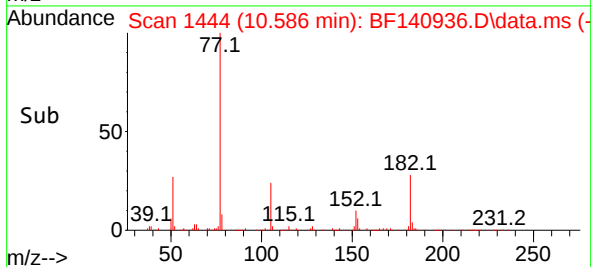
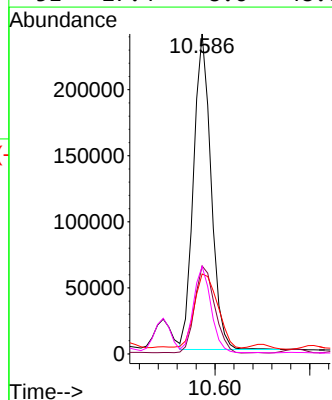
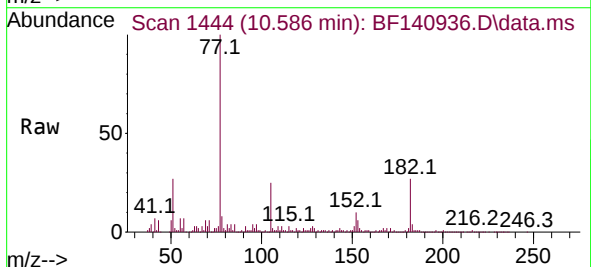
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

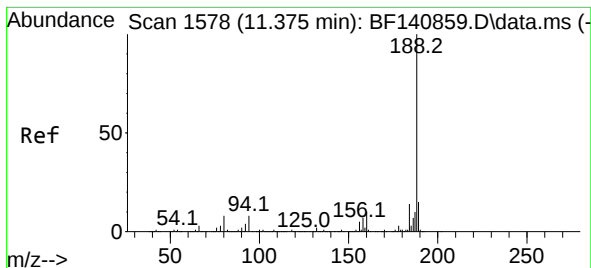
Tgt Ion:138 Resp: 61516
Ion Ratio Lower Upper
138 100
92 53.4 32.6 72.6
108 79.9 64.1 104.1



#63
Azobenzene
Concen: 42.637 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion: 77 Resp: 307101
Ion Ratio Lower Upper
77 100
182 27.5 4.5 44.5
105 25.0 0.9 40.9
51 27.4 8.6 48.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

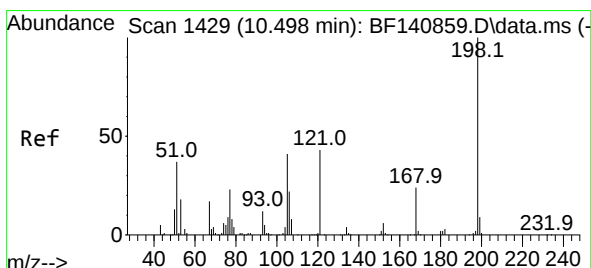
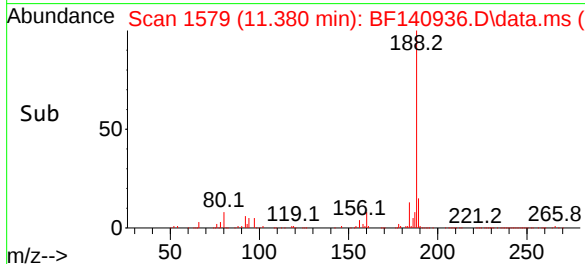
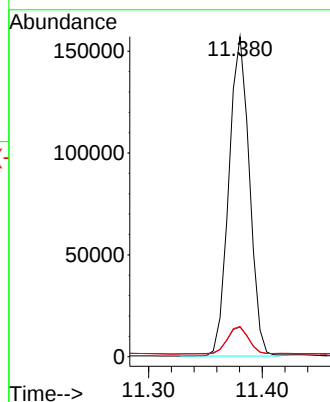
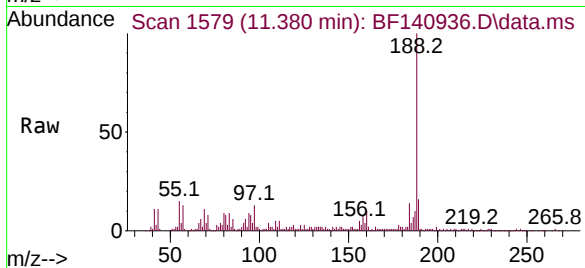
Tgt Ion:188 Resp: 196965

Ion Ratio Lower Upper

188 100

94 9.3 6.4 9.6

80 9.5 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 9.355 ng

RT: 10.510 min Scan# 1431

Delta R.T. 0.012 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

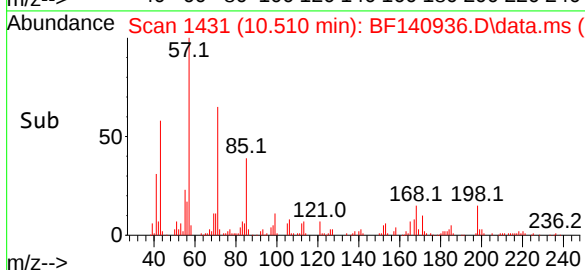
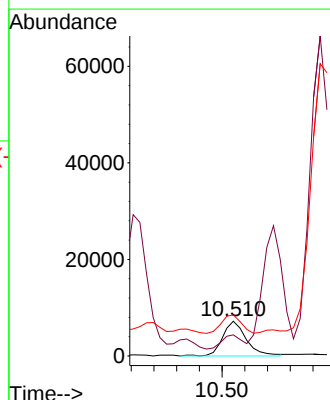
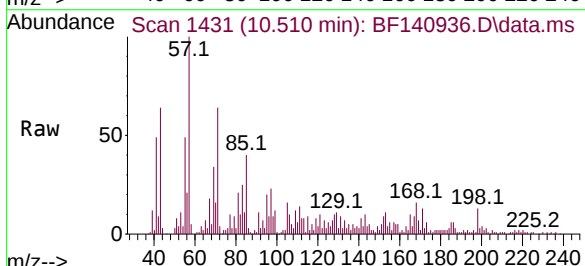
Tgt Ion:198 Resp: 10441

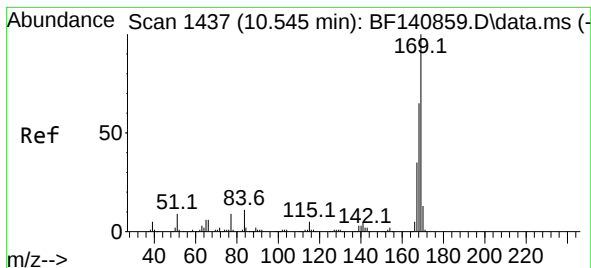
Ion Ratio Lower Upper

198 100

51 60.9 24.4 64.4

105 118.2 22.1 62.1#

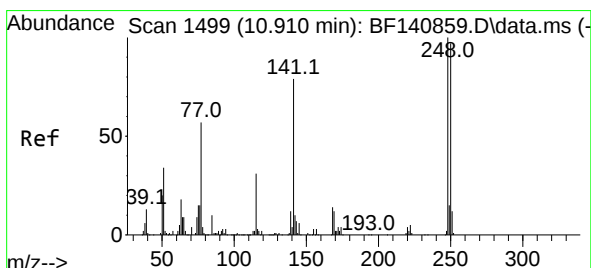
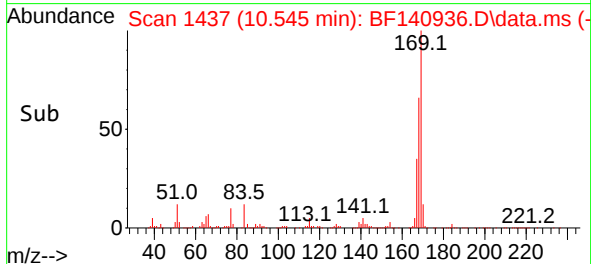
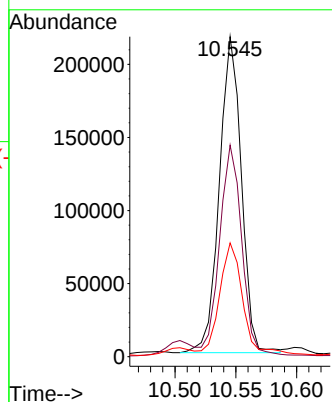
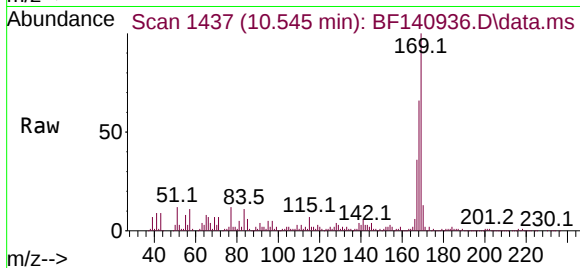




#66
n-Nitrosodiphenylamine
Concen: 44.967 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

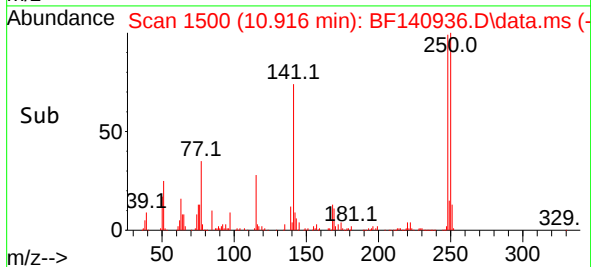
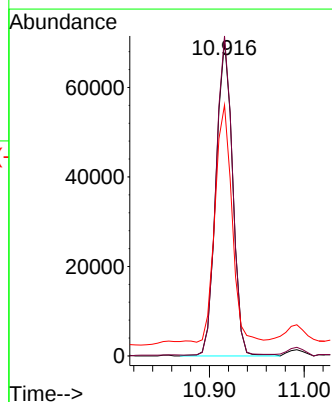
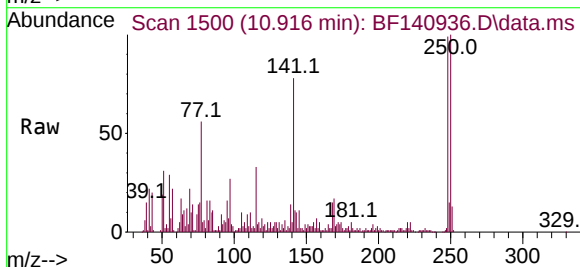
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

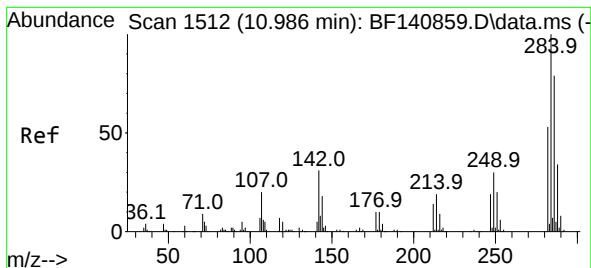
Tgt Ion:169 Resp: 272310
Ion Ratio Lower Upper
169 100
168 66.1 53.4 80.0
167 35.5 28.3 42.5



#67
4-Bromophenyl-phenylether
Concen: 39.157 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:248 Resp: 86282
Ion Ratio Lower Upper
248 100
250 101.4 77.4 116.2
141 79.5 62.9 94.3





#68

Hexachlorobenzene

Concen: 39.478 ng

RT: 10.992 min Scan# 1513

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

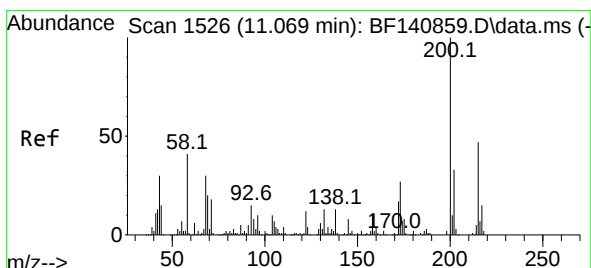
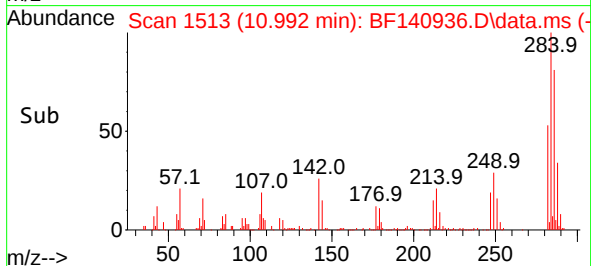
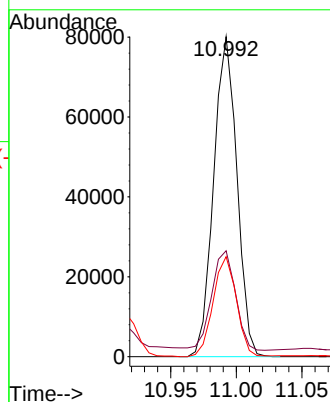
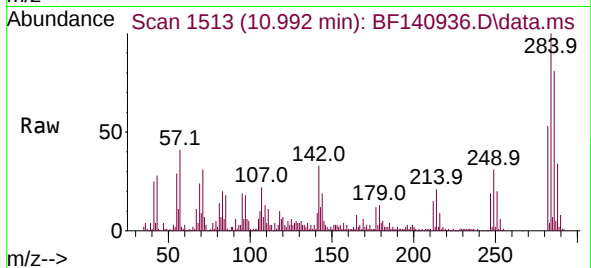
Tgt Ion:284 Resp: 98628

Ion Ratio Lower Upper

284 100

142 33.1 24.6 36.8

249 31.3 24.3 36.5



#69

Atrazine

Concen: 54.345 ng

RT: 11.075 min Scan# 1527

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

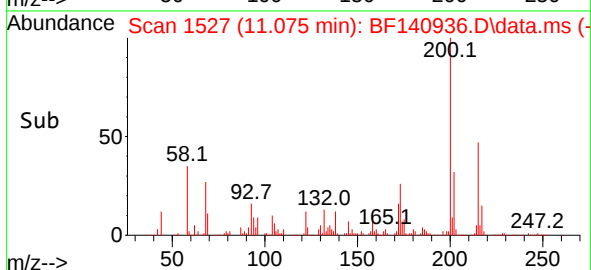
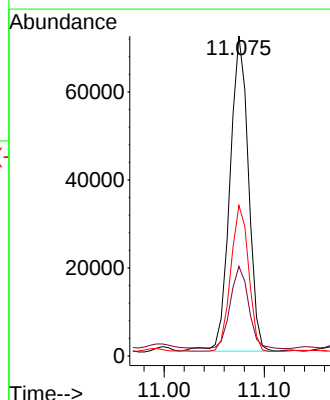
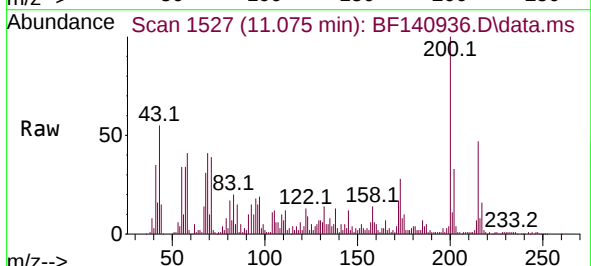
Tgt Ion:200 Resp: 91915

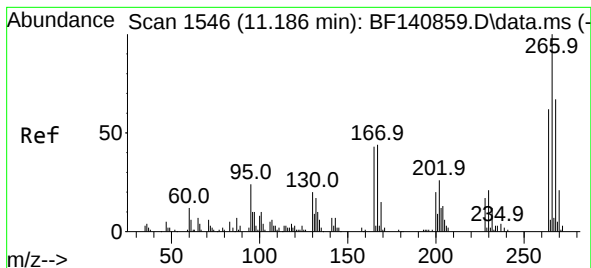
Ion Ratio Lower Upper

200 100

173 28.0 6.6 46.6

215 47.0 26.7 66.7





#70

Pentachlorophenol

Concen: 98.456 ng

RT: 11.198 min Scan# 1546

Delta R.T. 0.012 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

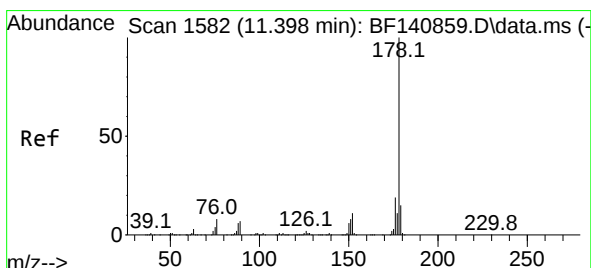
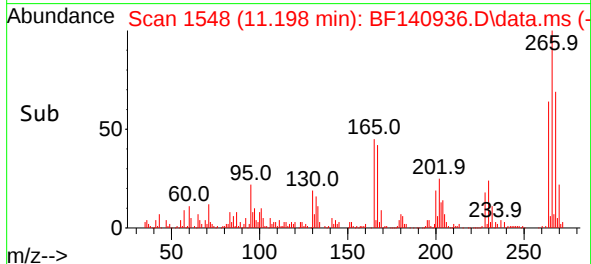
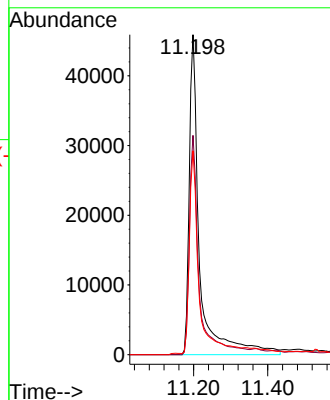
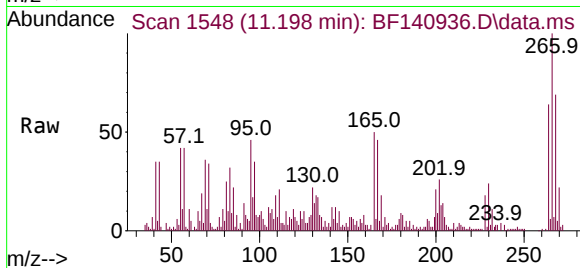
Tgt Ion:266 Resp: 89929

Ion Ratio Lower Upper

266 100

268 68.5 54.0 81.0

264 63.8 49.4 74.2



#71

Phenanthrene

Concen: 54.872 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

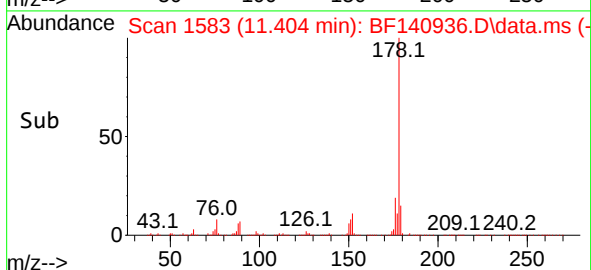
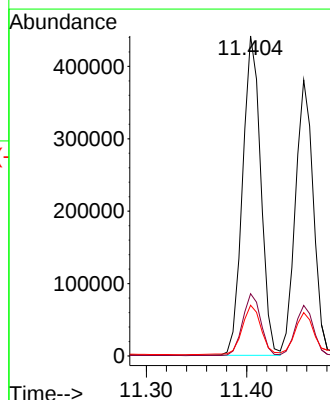
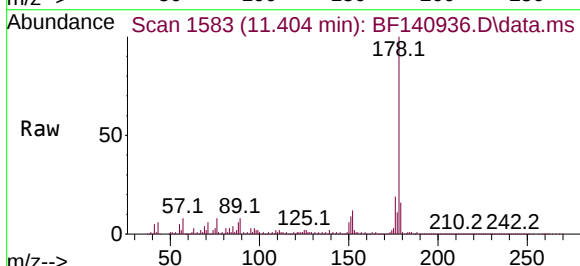
Tgt Ion:178 Resp: 555782

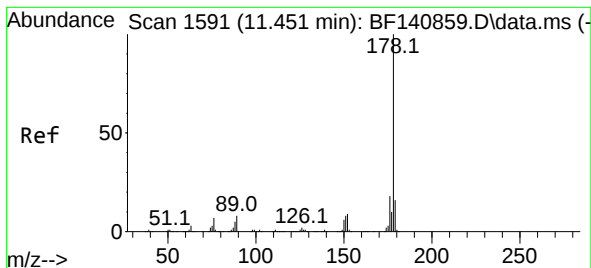
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.9 12.1 18.1





#72

Anthracene

Concen: 46.822 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

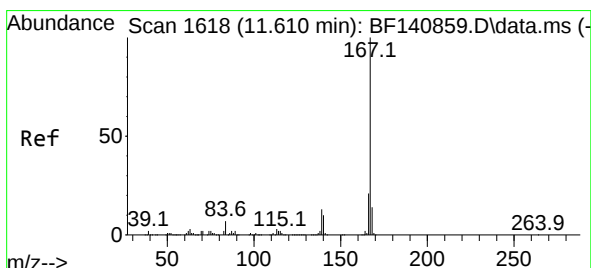
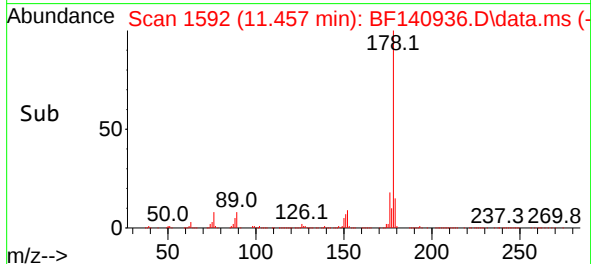
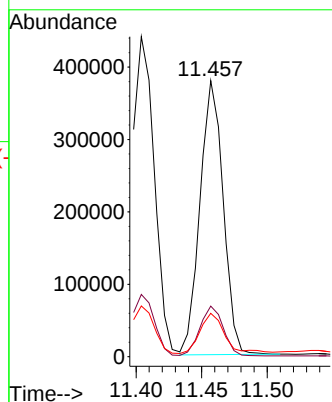
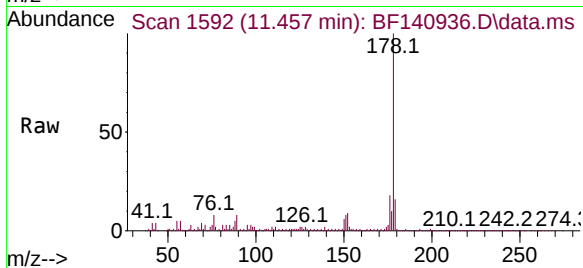
Tgt Ion:178 Resp: 467038

Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

179 15.7 12.6 18.8



#73

Carbazole

Concen: 44.349 ng

RT: 11.616 min Scan# 1619

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

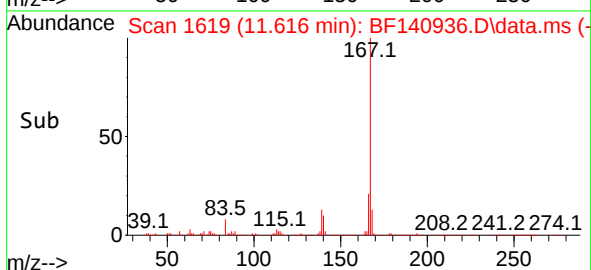
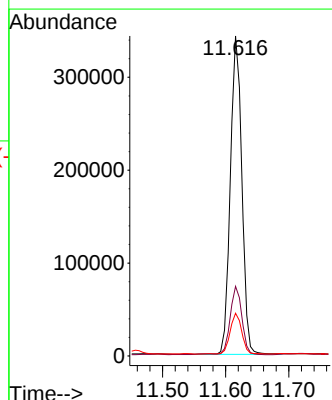
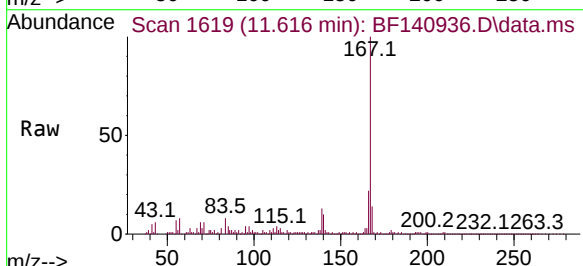
Tgt Ion:167 Resp: 433295

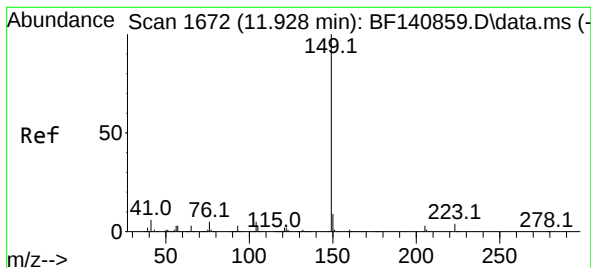
Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

139 13.3 10.2 15.2





#74

Di-n-butylphthalate

Concen: 43.760 ng

RT: 11.927 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

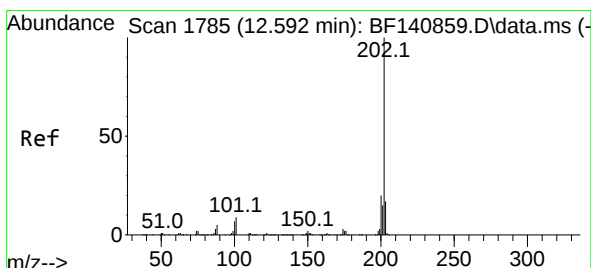
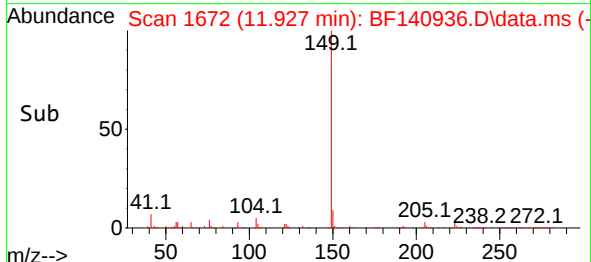
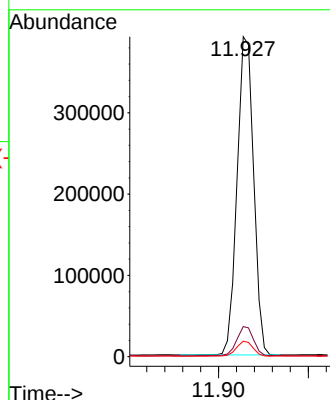
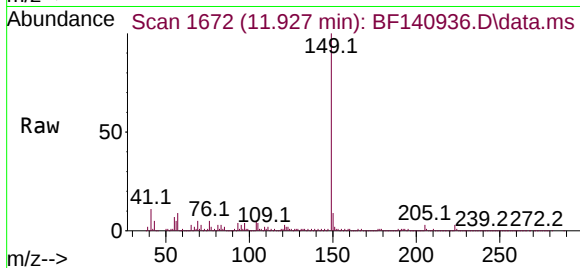
Tgt Ion:149 Resp: 501775

Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 4.9 3.8 5.8



#75

Fluoranthene

Concen: 57.340 ng

RT: 12.598 min Scan# 1786

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

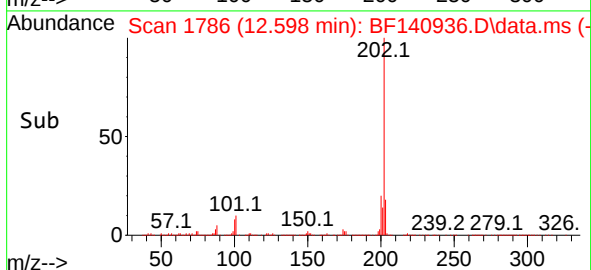
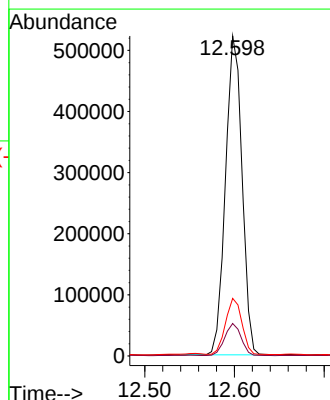
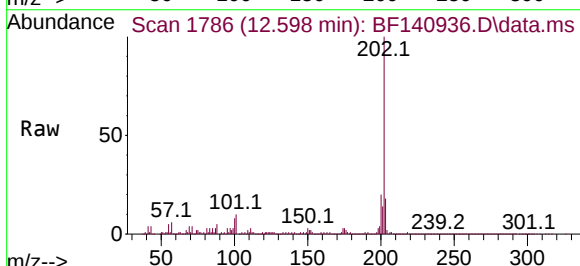
Tgt Ion:202 Resp: 668863

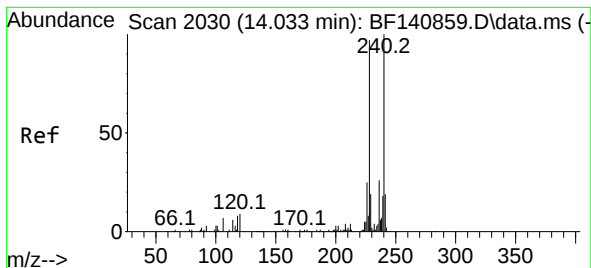
Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.3

203 18.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

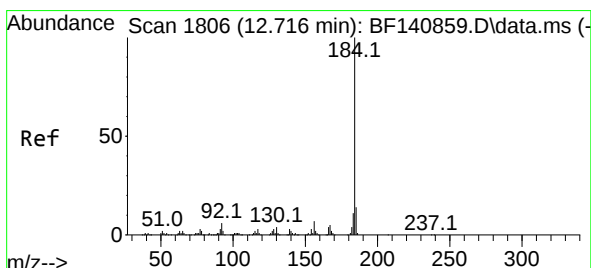
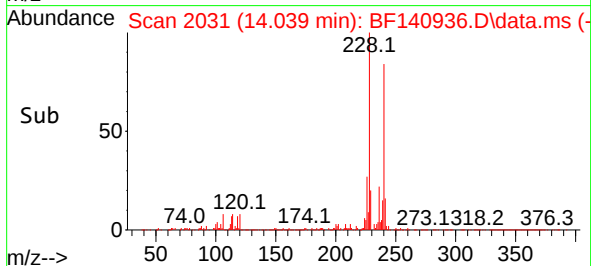
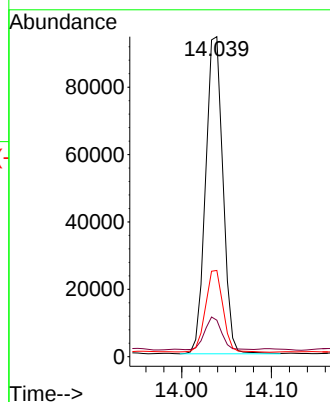
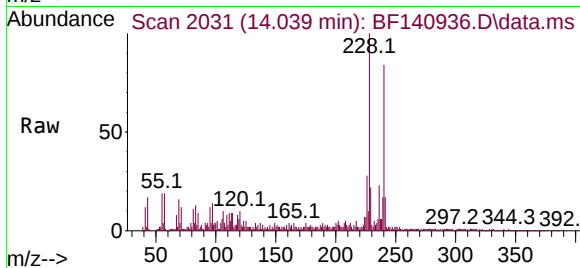
Tgt Ion:240 Resp: 126111

Ion Ratio Lower Upper

240 100

120 11.4 7.6 11.4#

236 27.0 20.5 30.7



#77

Benzidine

Concen: 30.671 ng

RT: 12.722 min Scan# 1807

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

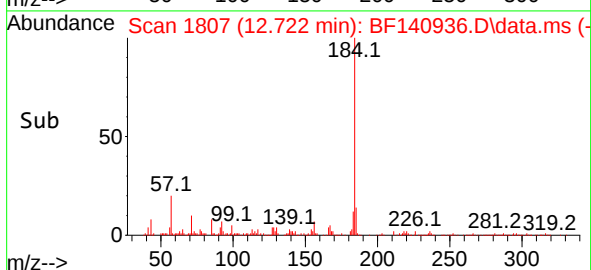
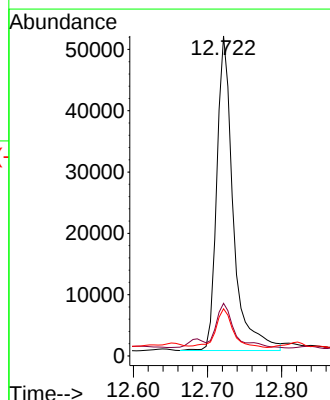
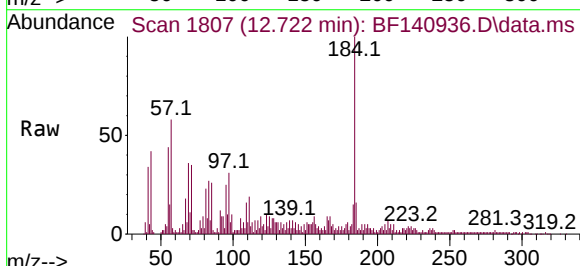
Tgt Ion:184 Resp: 78944

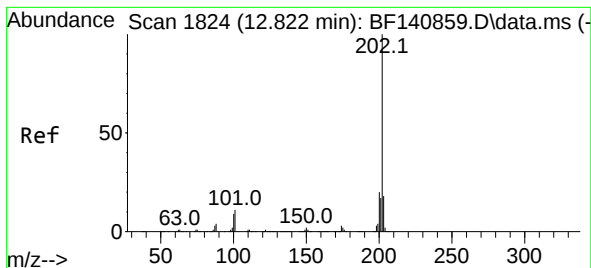
Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

183 14.8 9.0 13.4#





#78

Pyrene

Concen: 54.029 ng

RT: 12.833 min Scan# 1826

Delta R.T. 0.012 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

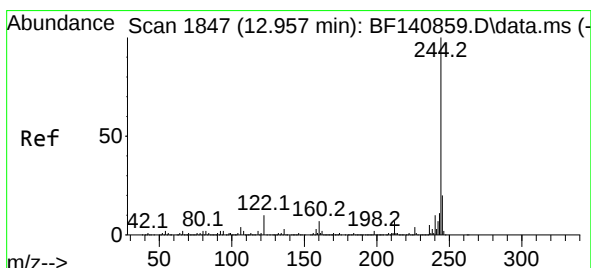
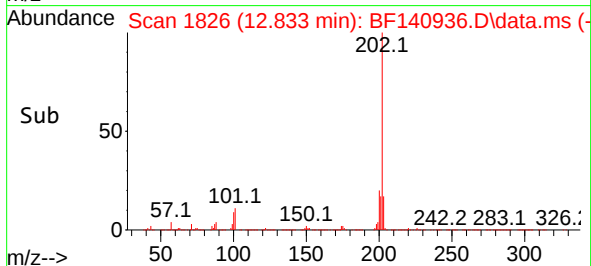
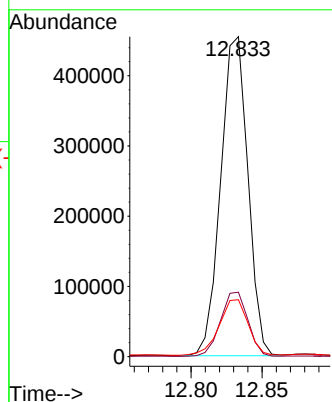
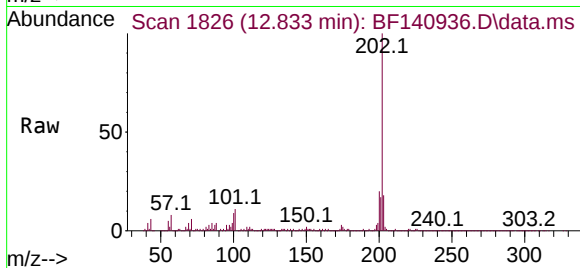
Tgt Ion:202 Resp: 605913

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 17.8 14.2 21.4



#79

Terphenyl-d14

Concen: 56.296 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

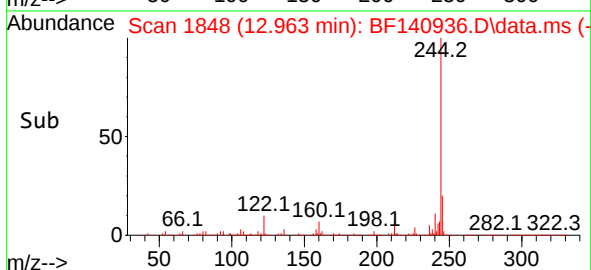
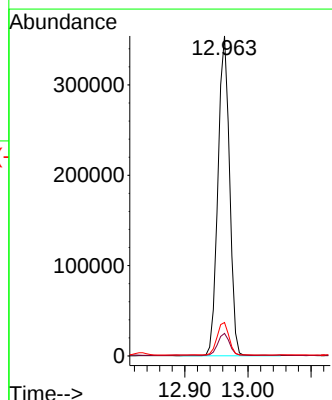
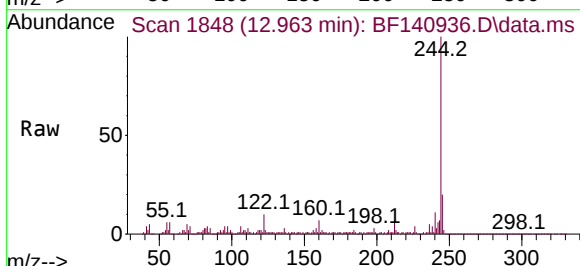
Tgt Ion:244 Resp: 450230

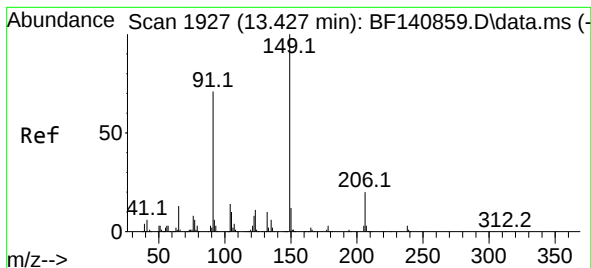
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.5 8.2 12.2





#80

Butylbenzylphthalate

Concen: 52.540 ng

RT: 13.433 min Scan# 1928

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

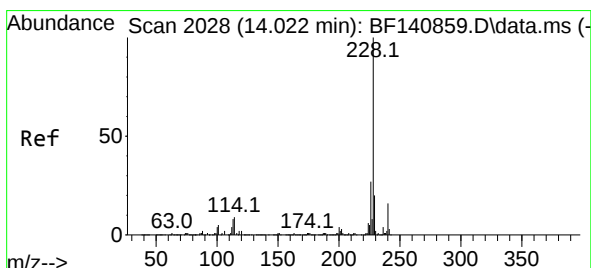
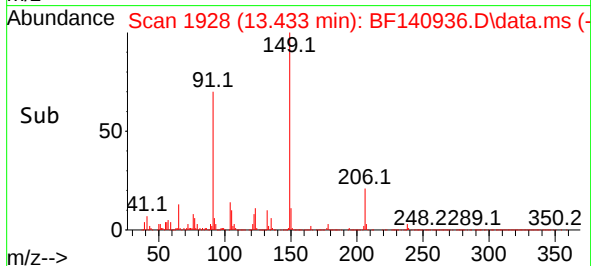
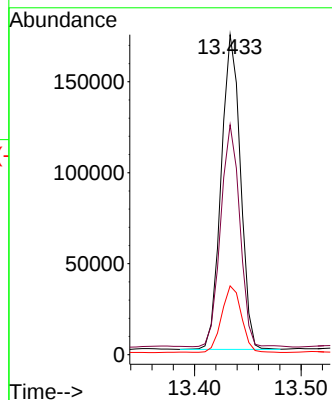
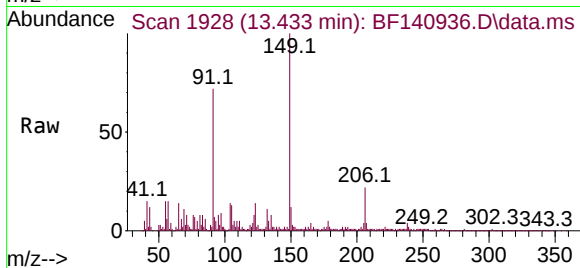
Tgt Ion:149 Resp: 216802

Ion Ratio Lower Upper

149 100

91 71.8 56.7 85.1

206 21.5 16.4 24.6



#81

Benzo(a)anthracene

Concen: 49.881 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

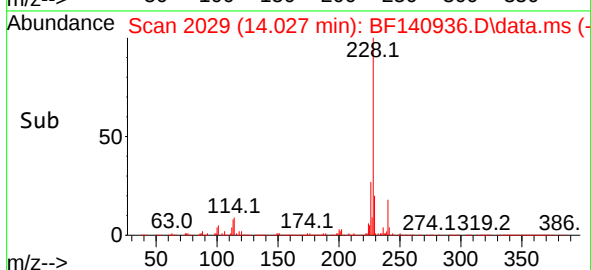
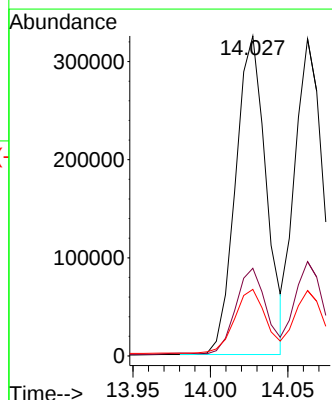
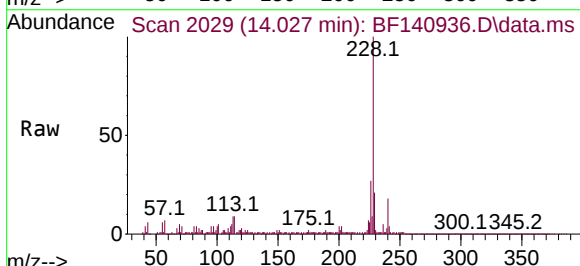
Tgt Ion:228 Resp: 445835

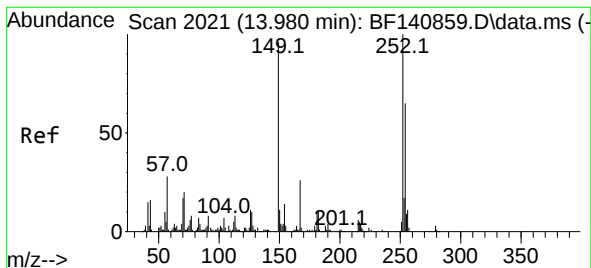
Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 20.8 15.8 23.8





#82

3,3'-Dichlorobenzidine

Concen: 35.433 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

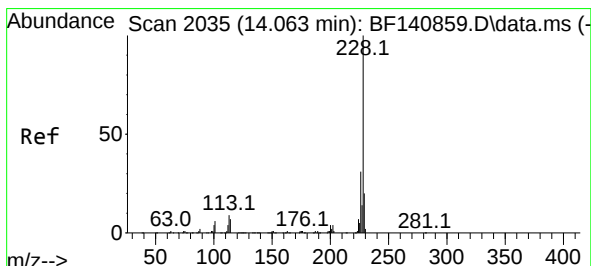
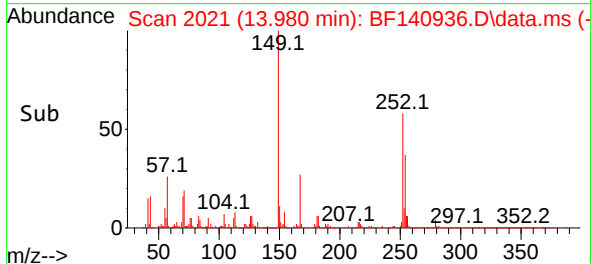
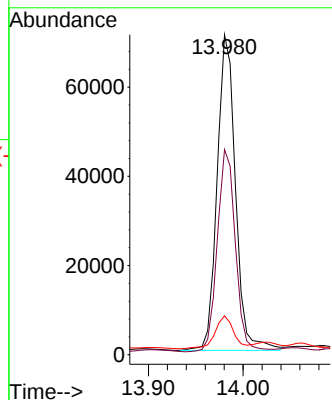
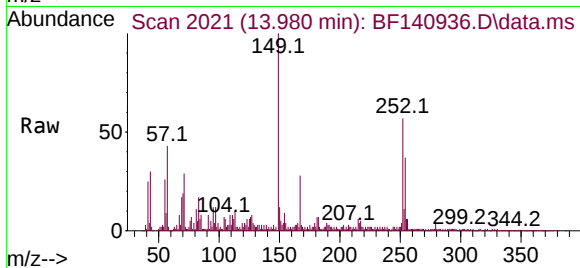
Tgt Ion:252 Resp: 95549

Ion Ratio Lower Upper

252 100

254 64.1 52.3 78.5

126 12.2 8.4 12.6



#83

Chrysene

Concen: 49.097 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

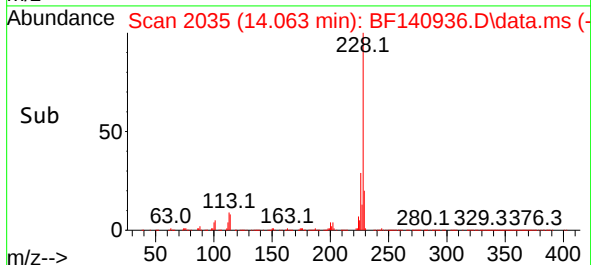
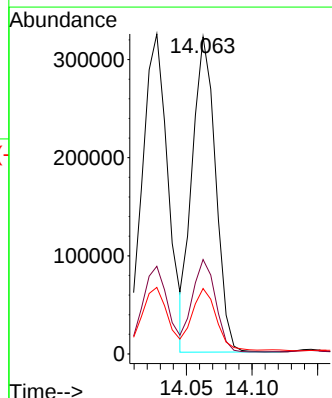
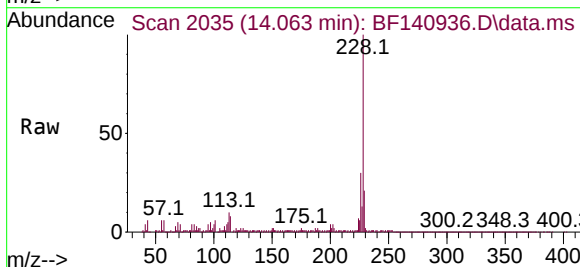
Tgt Ion:228 Resp: 399042

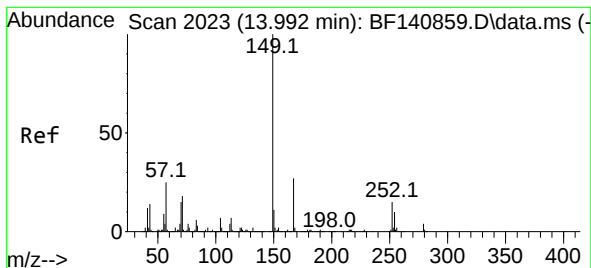
Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

229 20.6 16.0 24.0

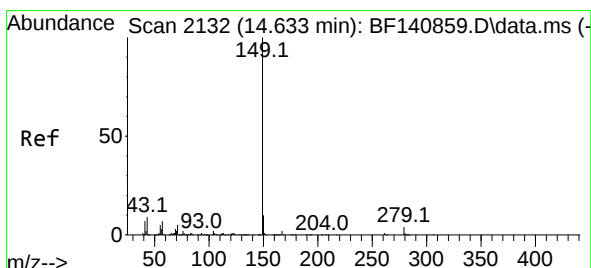
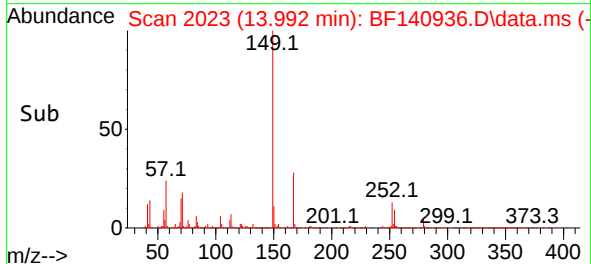
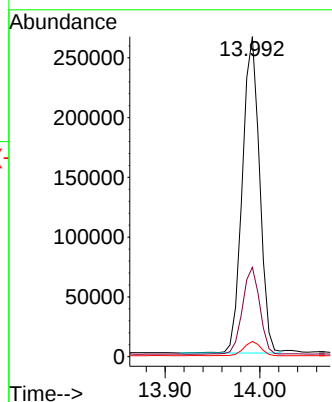
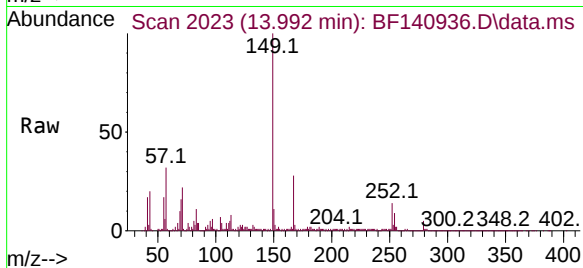




#84
Bis(2-ethylhexyl)phthalate
Concen: 62.962 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

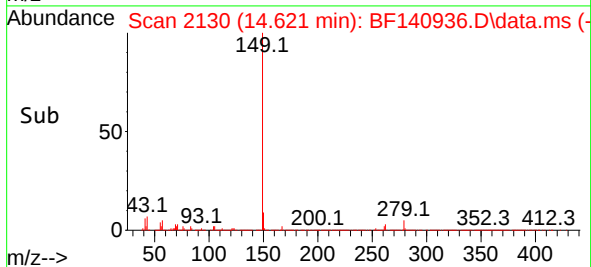
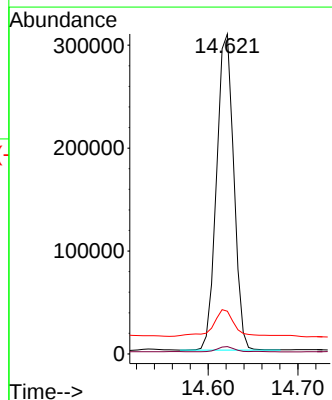
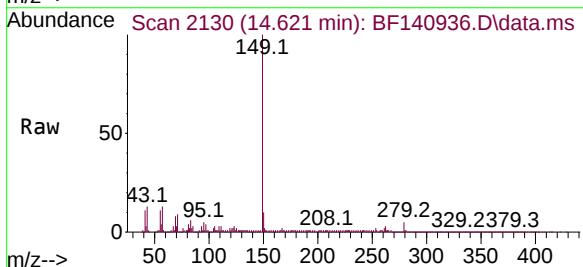
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

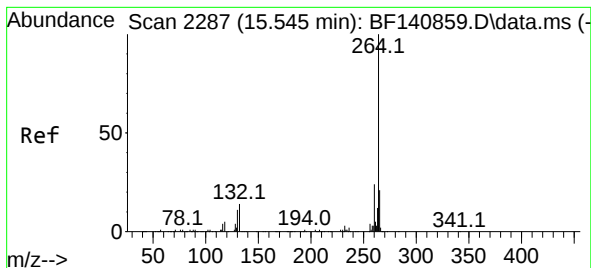
Tgt Ion:149 Resp: 335001
Ion Ratio Lower Upper
149 100
167 28.0 21.8 32.8
279 4.8 3.5 5.3



#85
Di-n-octyl phthalate
Concen: 50.749 ng
RT: 14.621 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BF140936.D
Acq: 19 Dec 2024 19:34

Tgt Ion:149 Resp: 408510
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 13.2 7.0 10.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

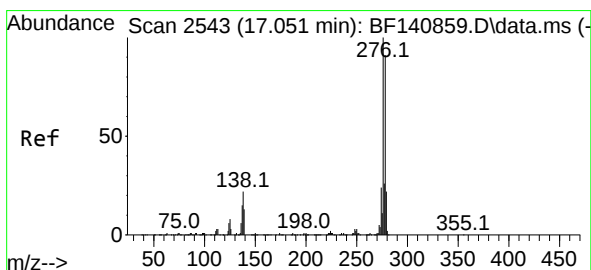
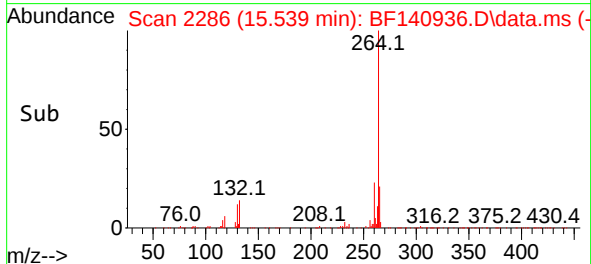
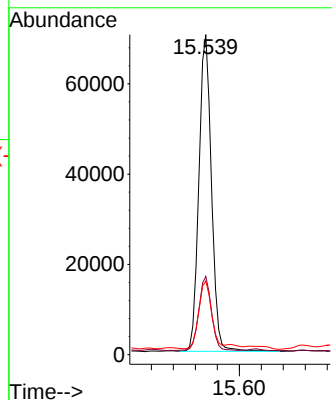
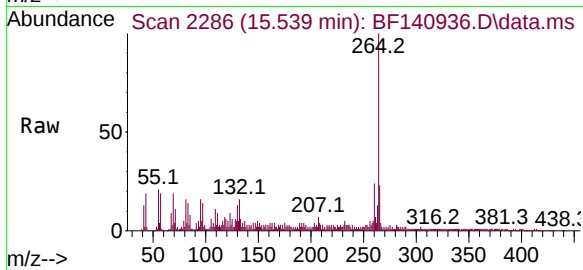
Tgt Ion:264 Resp: 110928

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 23.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 46.787 ng

RT: 17.057 min Scan# 2544

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

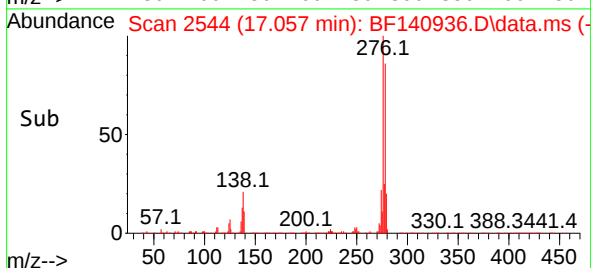
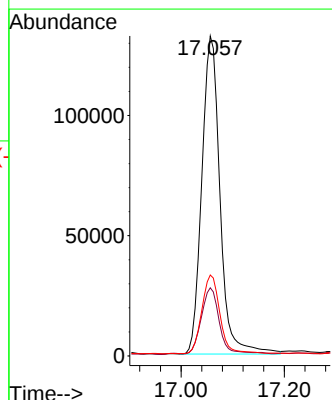
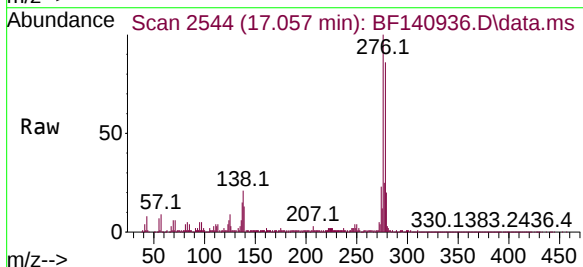
Tgt Ion:276 Resp: 323876

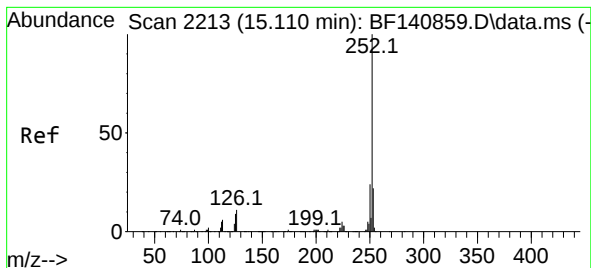
Ion Ratio Lower Upper

276 100

138 20.2 16.9 25.3

277 24.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 43.906 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

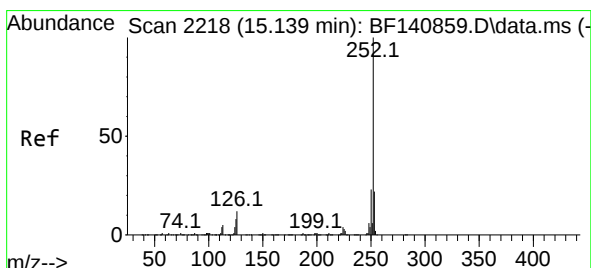
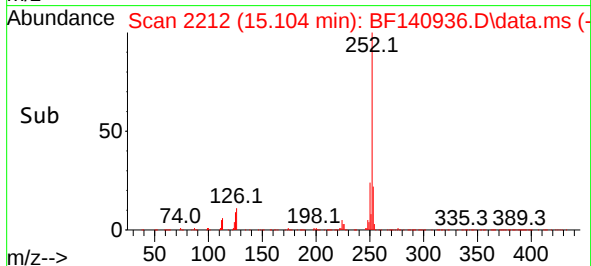
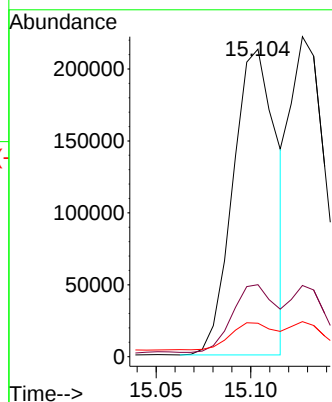
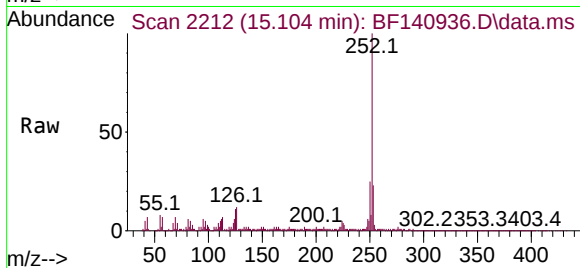
Tgt Ion:252 Resp: 338078

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 10.9 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 43.382 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

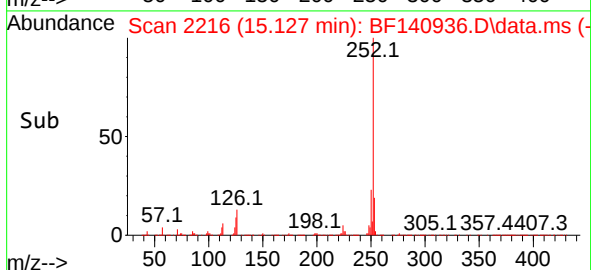
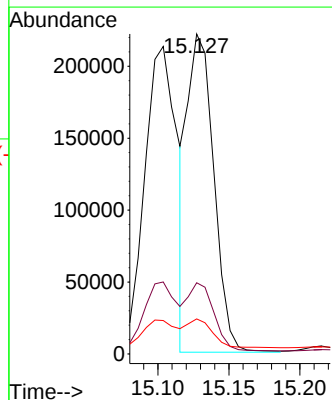
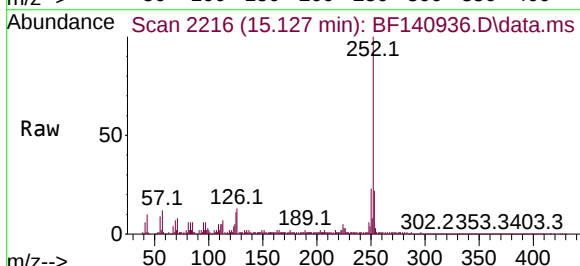
Tgt Ion:252 Resp: 286542

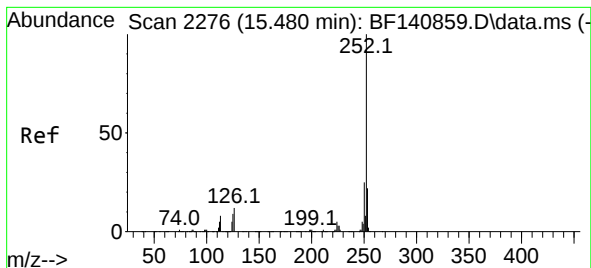
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 11.0 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 49.261 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

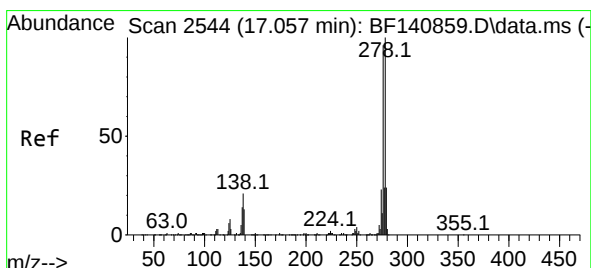
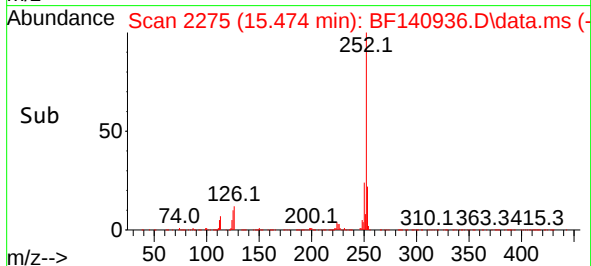
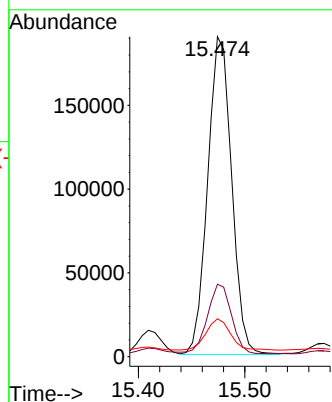
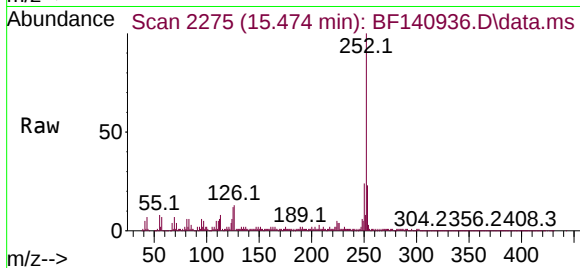
Tgt Ion:252 Resp: 297015

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.8 7.5 11.3#



#91

Dibenzo(a,h)anthracene

Concen: 45.128 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.006 min

Lab File: BF140936.D

Acq: 19 Dec 2024 19:34

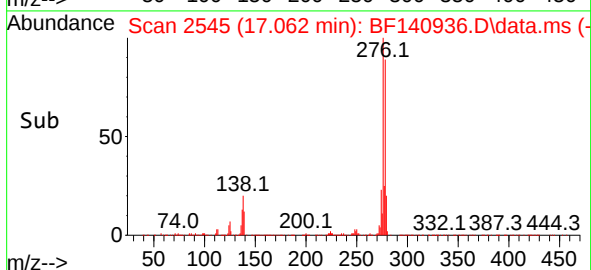
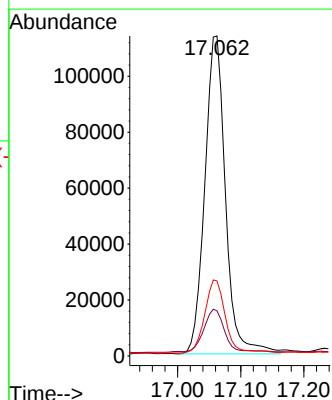
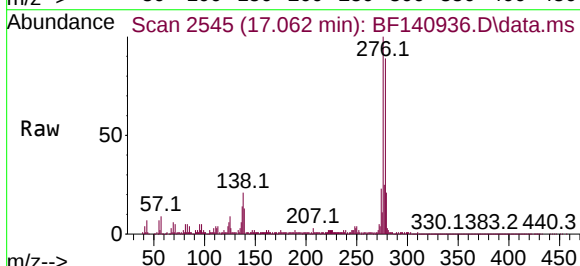
Tgt Ion:278 Resp: 258800

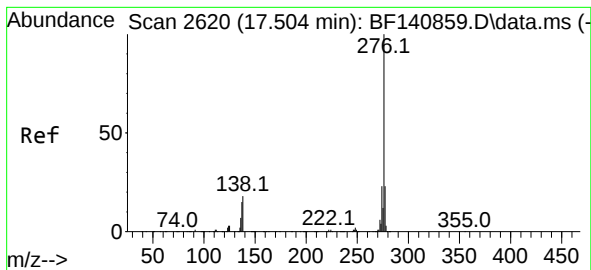
Ion Ratio Lower Upper

278 100

139 14.1 10.6 16.0

279 23.5 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 42.059 ng

RT: 17.515 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF140936.D

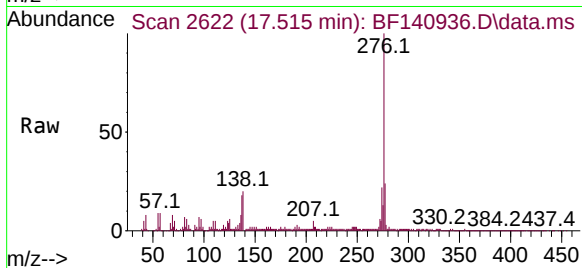
Acq: 19 Dec 2024 19:34

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD



Tgt Ion:276 Resp: 245489

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 19.6 14.2 21.2

