

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135265.D
 Acq On : 14 Sep 2023 21:09
 Operator : CG\JU
 Sample : 04399-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930MSD

Quant Time: Sep 15 01:36:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	133790	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	493836	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	223626	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	350826	20.000	ng	0.00
76) Chrysene-d12	13.951	240	226683	20.000	ng	0.00
86) Perylene-d12	15.415	264	253905	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	651659	79.220	ng	0.02
7) Phenol-d6	6.416	99	801520	76.629	ng	0.01
23) Nitrobenzene-d5	7.328	82	512847	56.421	ng	0.00
42) 2,4,6-Tribromophenol	10.598	330	148414	66.784	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	895628	60.425	ng	0.00
79) Terphenyl-d14	12.886	244	692323	47.345	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.569	88	124550	34.539	ng	99
3) Pyridine	3.322	79	309096	31.848	ng	98
4) n-Nitrosodimethylamine	3.287	42	210879	40.946	ng	97
6) Aniline	6.434	93	374026	27.269	ng	# 83
8) 2-Chlorophenol	6.551	128	358112	40.782	ng	99
9) Benzaldehyde	6.316	77	129099	21.666	ng	99
10) Phenol	6.428	94	412761	35.988	ng	80
11) bis(2-Chloroethyl)ether	6.504	93	339228	39.430	ng	98
12) 1,3-Dichlorobenzene	6.704	146	358990	40.226	ng	100
13) 1,4-Dichlorobenzene	6.781	146	365019	40.202	ng	99
14) 1,2-Dichlorobenzene	6.934	146	343337	40.719	ng	97
15) Benzyl Alcohol	6.916	79	306323	40.812	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.039	45	632969	39.032	ng	90
17) 2-Methylphenol	7.028	107	277192	35.771	ng	96
18) Hexachloroethane	7.269	117	134142	39.985	ng	92
19) n-Nitroso-di-n-propyla...	7.181	70	237612	36.676	ng	94
20) 3+4-Methylphenols	7.181	107	323057	34.670	ng	94
22) Acetophenone	7.175	105	461935	40.914	ng	# 97
24) Nitrobenzene	7.351	77	369568	41.135	ng	99
25) Isophorone	7.586	82	673627	40.359	ng	97
26) 2-Nitrophenol	7.663	139	166574	38.631	ng	98
27) 2,4-Dimethylphenol	7.704	122	266138	36.720	ng	97
28) bis(2-Chloroethoxy)met...	7.798	93	417701	41.812	ng	100
29) 2,4-Dichlorophenol	7.910	162	265806	39.578	ng	98
30) 1,2,4-Trichlorobenzene	7.986	180	301736	42.984	ng	99
31) Naphthalene	8.069	128	972509	40.531	ng	100
32) Benzoic acid	7.828	122	108523	19.884	ng	92
33) 4-Chloroaniline	8.122	127	287057	27.268	ng	98
34) Hexachlorobutadiene	8.181	225	177592	41.957	ng	99
35) Caprolactam	8.498	113	66043	29.301	ng	98
36) 4-Chloro-3-methylphenol	8.610	107	278133	37.262	ng	97
37) 2-Methylnaphthalene	8.757	142	602425	37.351	ng	100
38) 1-Methylnaphthalene	8.857	142	576967	38.209	ng	99
40) 1,2,4,5-Tetrachloroben...	8.922	216	289149	44.631	ng	99
41) Hexachlorocyclopentadiene	8.904	237	100866	39.456	ng	98
43) 2,4,6-Trichlorophenol	9.039	196	174811	41.211	ng	100

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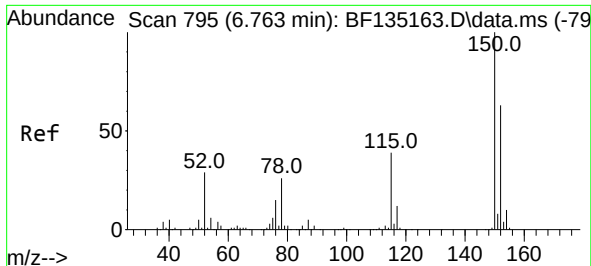
Quant Time: Sep 15 01:36:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.086	196	174387	35.699	ng	99
46) 1,1'-Biphenyl	9.228	154	756167	44.001	ng	99
47) 2-Chloronaphthalene	9.251	162	553599	44.398	ng	99
48) 2-Nitroaniline	9.351	65	195933	40.447	ng	97
49) Acenaphthylene	9.663	152	870146	41.990	ng	99
50) Dimethylphthalate	9.533	163	630779	41.720	ng	100
51) 2,6-Dinitrotoluene	9.598	165	134377	40.571	ng	86
52) Acenaphthene	9.839	154	502002	41.008	ng	98
53) 3-Nitroaniline	9.769	138	133987	34.462	ng	90
54) 2,4-Dinitrophenol	9.875	184	17520	14.838	ng	# 91
55) Dibenzofuran	10.010	168	750985	40.201	ng	97
56) 4-Nitrophenol	9.939	139	152951	61.899	ng	97
57) 2,4-Dinitrotoluene	10.004	165	160572	38.724	ng	94
58) Fluorene	10.351	166	546482	38.053	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.133	232	120240	31.998	ng	99
60) Diethylphthalate	10.233	149	606464	39.968	ng	100
61) 4-Chlorophenyl-phenyle...	10.345	204	268201	38.878	ng	97
62) 4-Nitroaniline	10.380	138	118806	31.790	ng	98
63) Azobenzene	10.510	77	553794	37.292	ng	99
65) 4,6-Dinitro-2-methylph...	10.410	198	15884	8.524	ng	90
66) n-Nitrosodiphenylamine	10.469	169	484850	45.650	ng	100
67) 4-Bromophenyl-phenylether	10.839	248	159938	45.838	ng	99
68) Hexachlorobenzene	10.904	284	168595	47.429	ng	100
69) Atrazine	11.004	200	142774	49.959	ng	98
70) Pentachlorophenol	11.104	266	130097	61.171	ng	97
71) Phenanthrene	11.322	178	752831	45.372	ng	99
72) Anthracene	11.369	178	730875	42.853	ng	98
73) Carbazole	11.533	167	643654	41.457	ng	99
74) Di-n-butylphthalate	11.863	149	851722	46.555	ng	99
75) Fluoranthene	12.516	202	816162	47.206	ng	98
77) Benzidine	12.639	184	215164	46.331	ng	98
78) Pyrene	12.745	202	806136	37.352	ng	100
80) Butylbenzylphthalate	13.368	149	302942	39.868	ng	98
81) Benzo(a)anthracene	13.945	228	641510	43.826	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	199357	43.603	ng	98
83) Chrysene	13.980	228	651987	44.801	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	473302	60.699	ng	97
85) Di-n-octyl phthalate	14.551	149	793962	64.072	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.898	276	558922	33.574	ng	99
88) Benzo(b)fluoranthene	14.992	252	704716	51.271	ng	99
89) Benzo(k)fluoranthene	15.021	252	554833	40.864	ng	99
90) Benzo(a)pyrene	15.357	252	557131	42.505	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	441055	32.380	ng	98
92) Benzo(g,h,i)perylene	17.345	276	435628	30.622	ng	98

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

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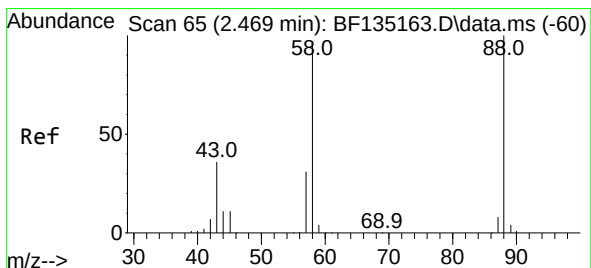
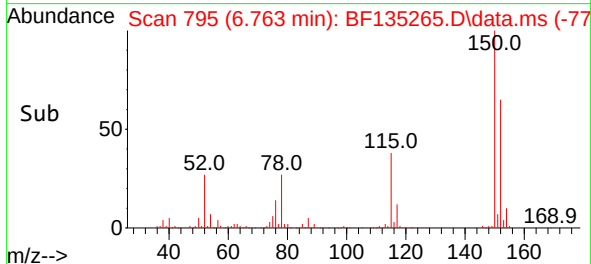
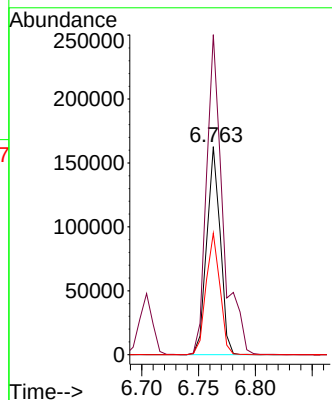
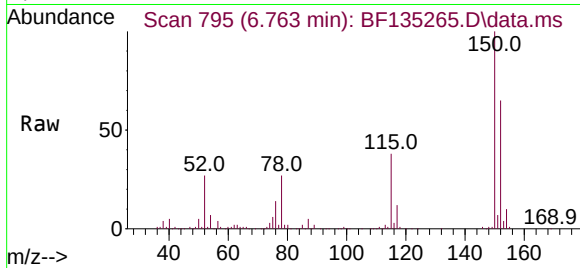




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF135265.D
 Acq: 14 Sep 2023 21:09

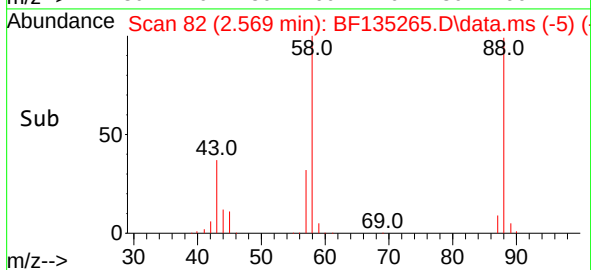
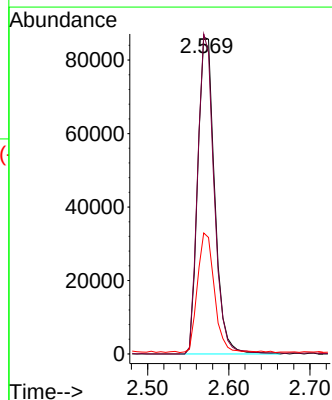
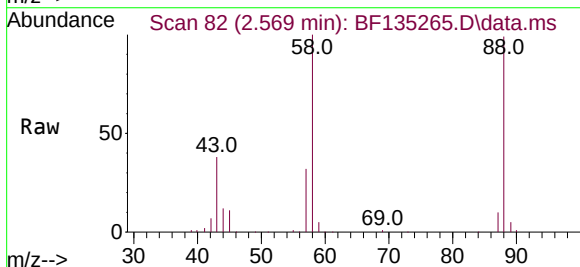
Instrument :
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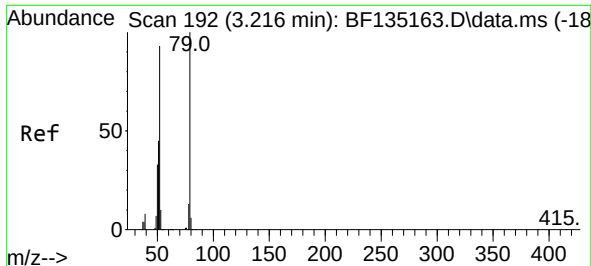
Tgt Ion:152 Resp: 133790
 Ion Ratio Lower Upper
 152 100
 150 153.9 127.8 191.6
 115 58.4 49.8 74.8



#2
 1,4-Dioxane
 Concen: 34.539 ng
 RT: 2.569 min Scan# 82
 Delta R.T. 0.100 min
 Lab File: BF135265.D
 Acq: 14 Sep 2023 21:09

Tgt Ion: 88 Resp: 124550
 Ion Ratio Lower Upper
 88 100
 58 98.4 78.3 117.5
 43 37.8 29.4 44.0

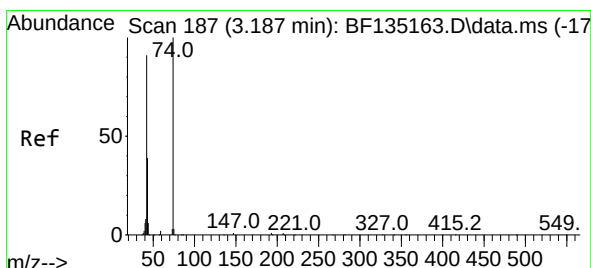
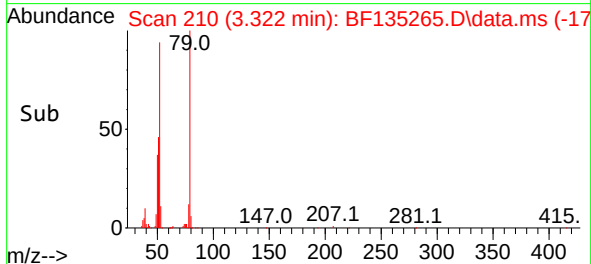
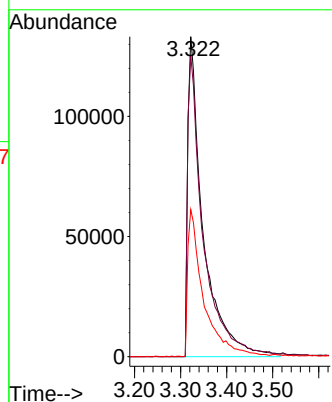
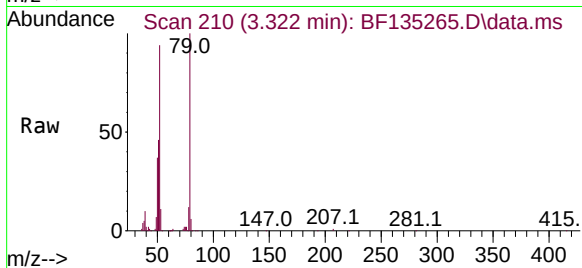




#3
 Pyridine
 Concen: 31.848 ng
 RT: 3.322 min Scan# 21
 Delta R.T. 0.106 min
 Lab File: BF135265.D
 Acq: 14 Sep 2023 21:09

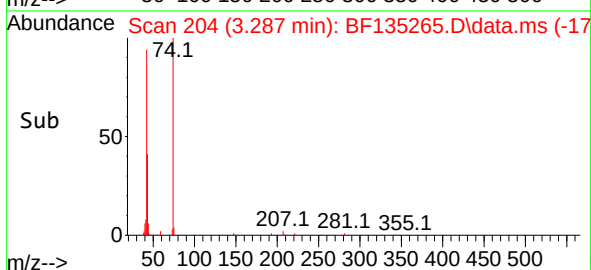
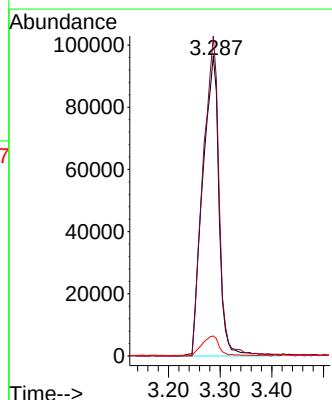
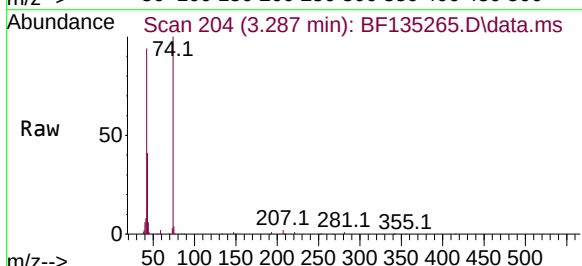
Instrument :
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 ClientSampleId :
 72-11930MSD

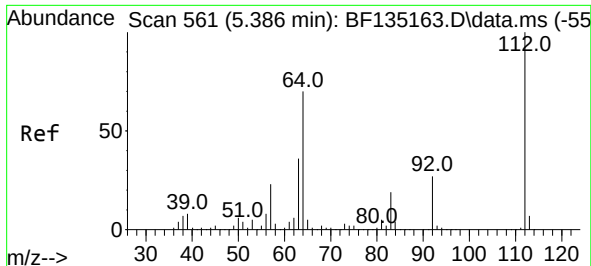
Tgt Ion: 79 Resp: 309096
 Ion Ratio Lower Upper
 79 100
 52 94.0 74.1 111.1
 51 46.0 35.8 53.8



#4
 n-Nitrosodimethylamine
 Concen: 40.946 ng
 RT: 3.287 min Scan# 204
 Delta R.T. 0.100 min
 Lab File: BF135265.D
 Acq: 14 Sep 2023 21:09

Tgt Ion: 42 Resp: 210879
 Ion Ratio Lower Upper
 42 100
 74 106.6 87.7 131.5
 44 6.7 5.6 8.4

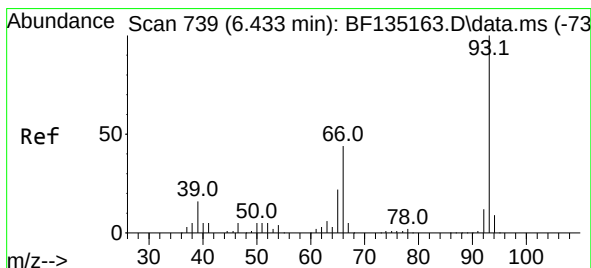
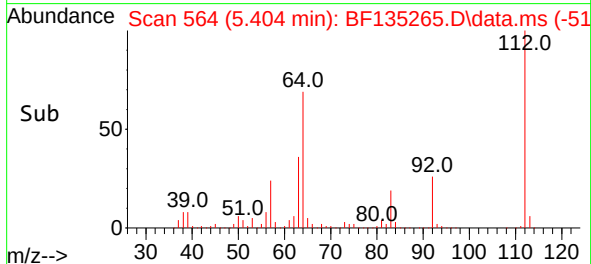
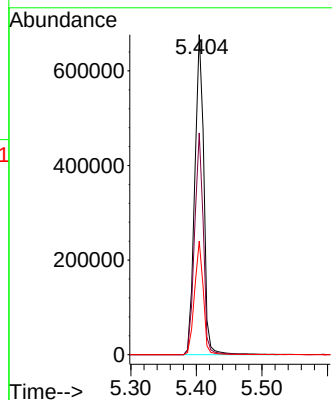
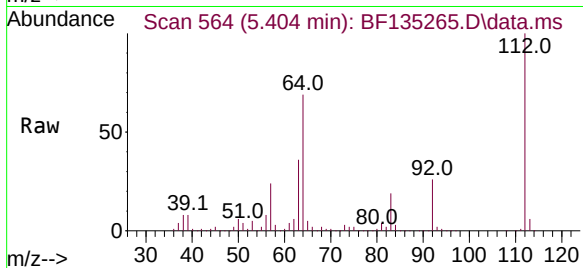




#5
2-Fluorophenol
Concen: 79.220 ng
RT: 5.404 min Scan# 501
Delta R.T. 0.018 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

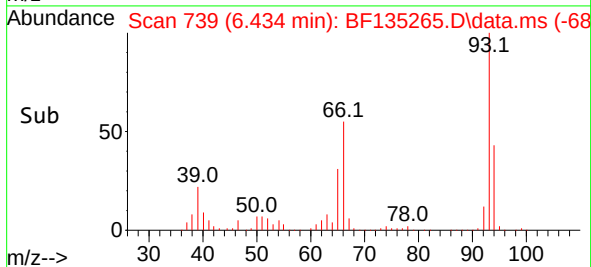
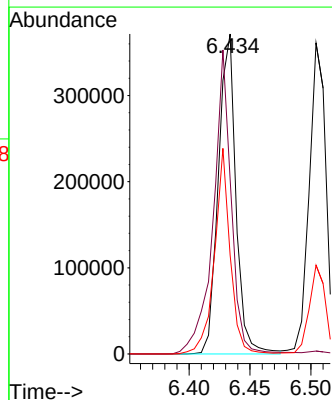
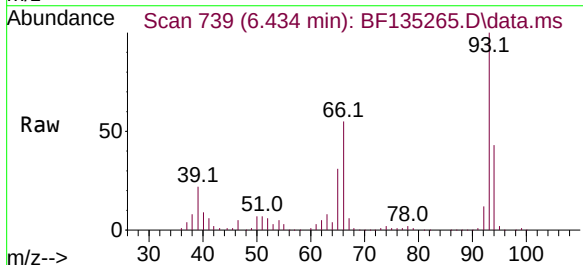
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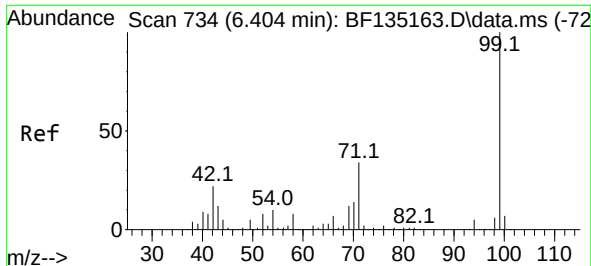
Tgt Ion:112 Resp: 651659
Ion Ratio Lower Upper
112 100
64 69.3 55.9 83.9
63 35.5 29.0 43.6



#6
Aniline
Concen: 27.269 ng
RT: 6.434 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion: 93 Resp: 374026
Ion Ratio Lower Upper
93 100
66 54.7 35.4 53.0#
65 30.9 17.8 26.8#

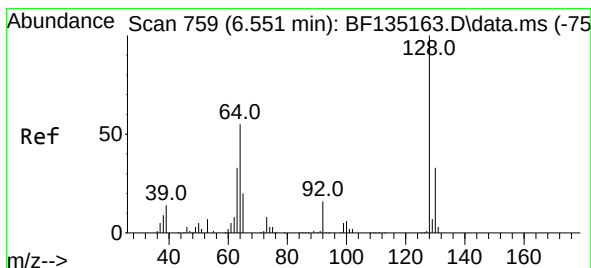
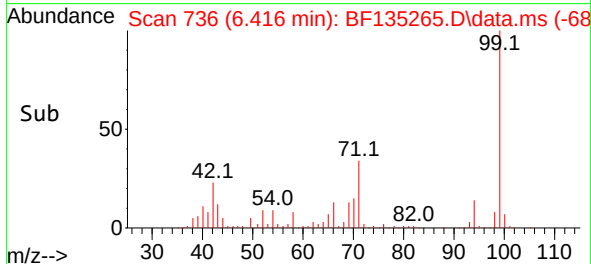
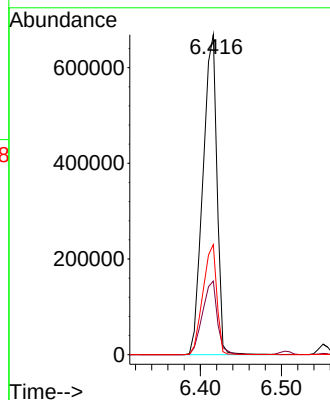
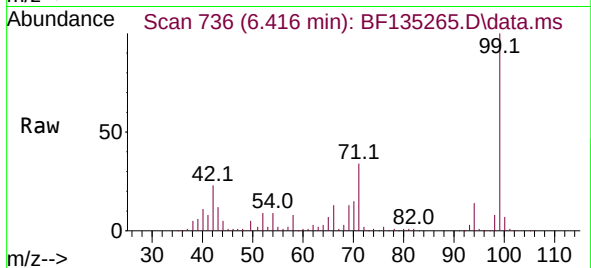




#7
Phenol-d6
Concen: 76.629 ng
RT: 6.416 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

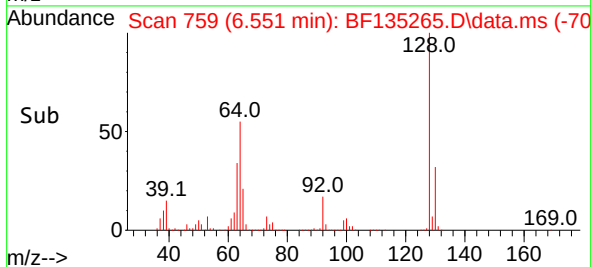
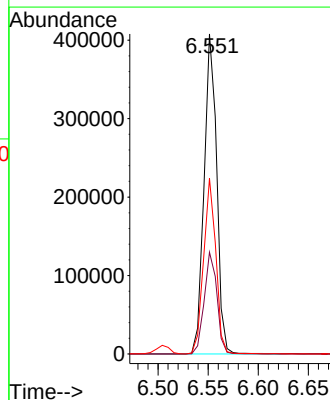
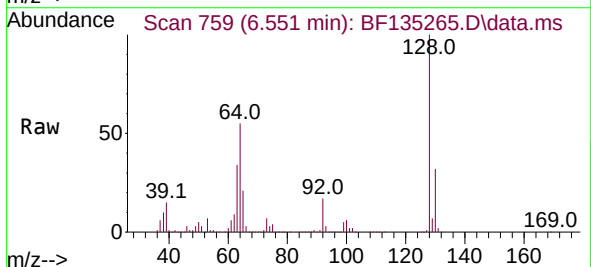
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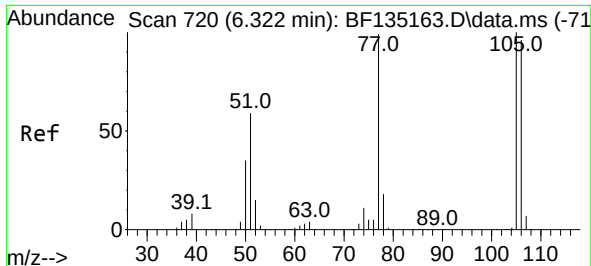
Tgt Ion: 99 Resp: 801520
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 34.4 27.0 40.6



#8
2-Chlorophenol
Concen: 40.782 ng
RT: 6.551 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:128 Resp: 358112
Ion Ratio Lower Upper
128 100
130 31.8 12.7 52.7
64 54.9 35.9 75.9





#9

Benzaldehyde

Concen: 21.666 ng

RT: 6.316 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

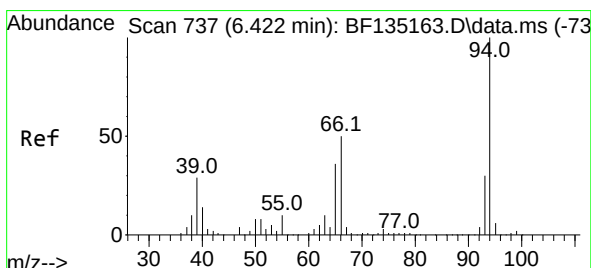
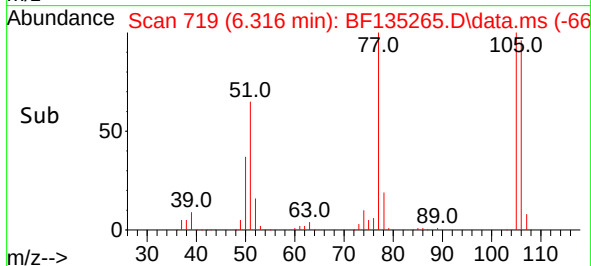
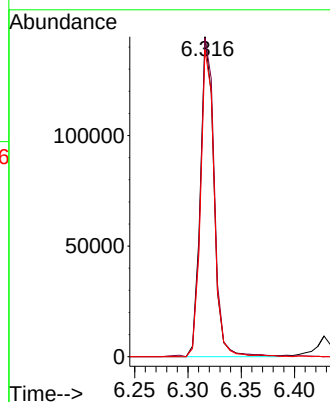
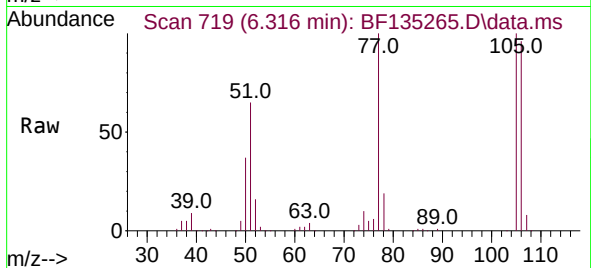
Tgt Ion: 77 Resp: 129099

Ion Ratio Lower Upper

77 100

105 99.6 81.4 121.4

106 95.8 76.9 116.9



#10

Phenol

Concen: 35.988 ng

RT: 6.428 min Scan# 738

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

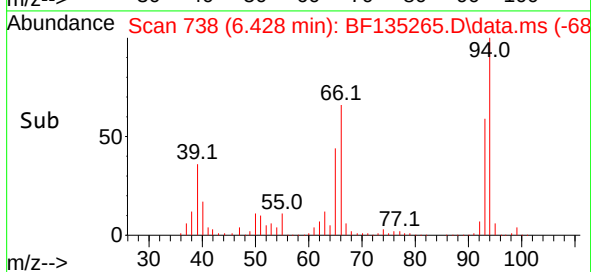
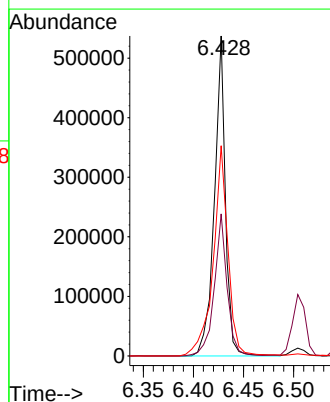
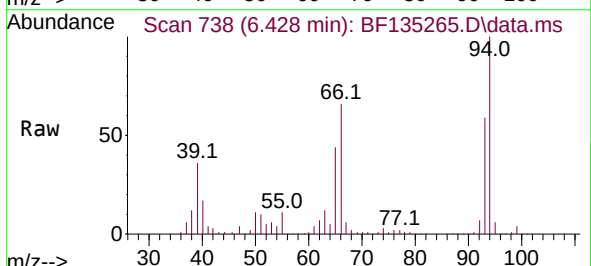
Tgt Ion: 94 Resp: 412761

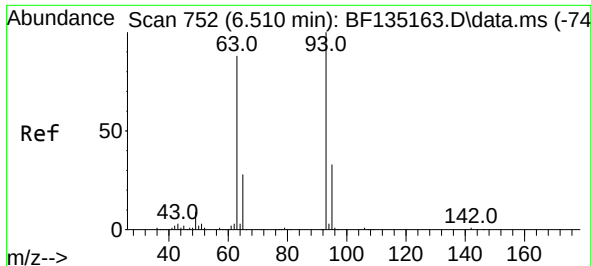
Ion Ratio Lower Upper

94 100

65 44.4 15.9 55.9

66 65.7 29.8 69.8

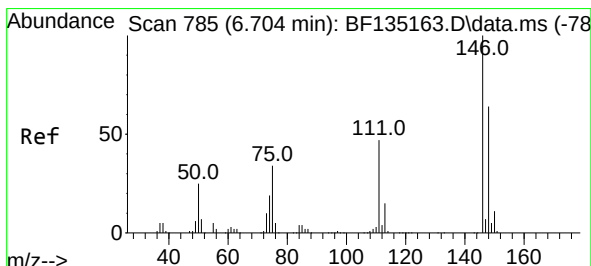
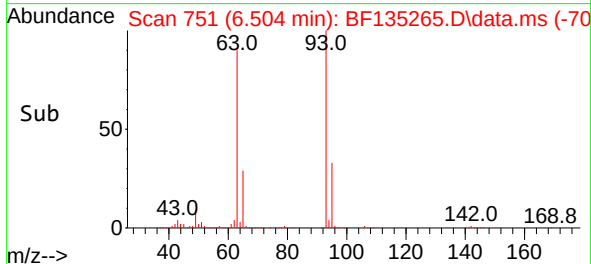
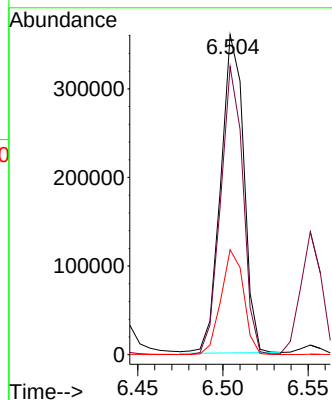
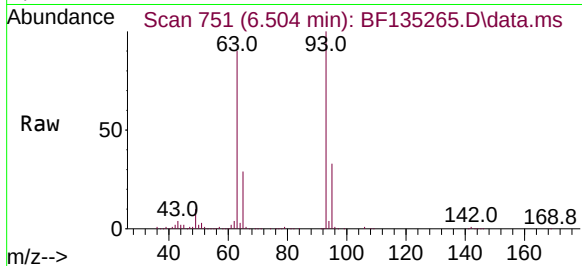




#11
bis(2-Chloroethyl)ether
Concen: 39.430 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

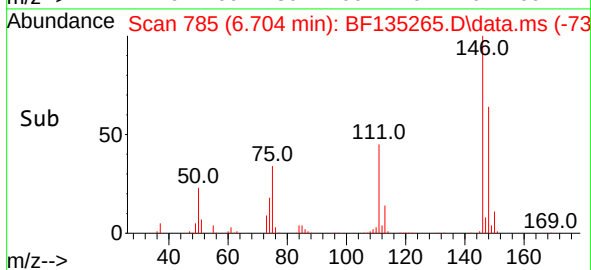
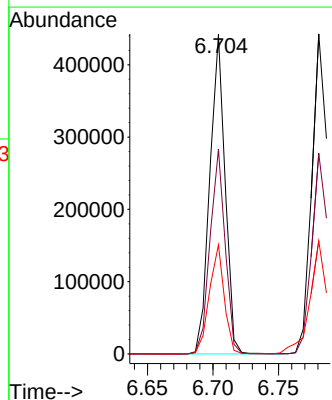
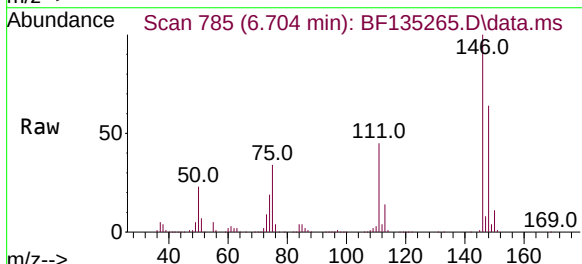
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

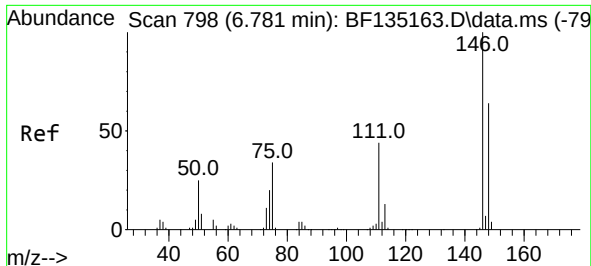
Tgt Ion: 93 Resp: 339228
Ion Ratio Lower Upper
93 100
63 90.1 67.3 107.3
95 32.8 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 40.226 ng
RT: 6.704 min Scan# 785
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion: 146 Resp: 358990
Ion Ratio Lower Upper
146 100
148 64.1 51.3 76.9
75 34.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.202 ng

RT: 6.781 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

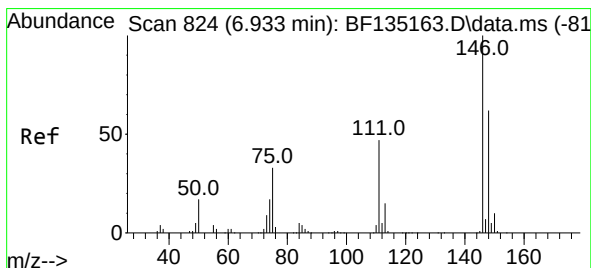
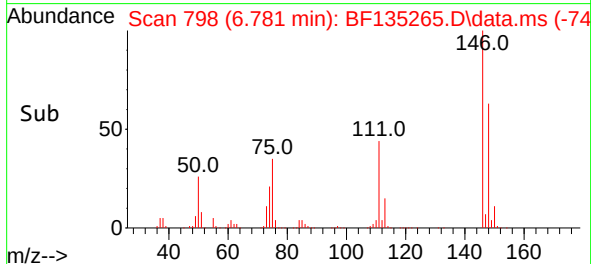
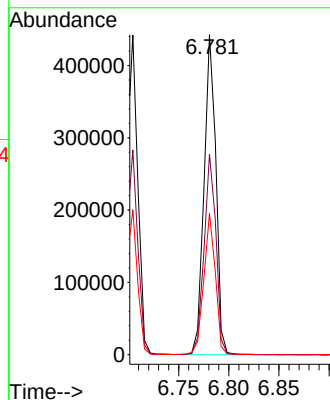
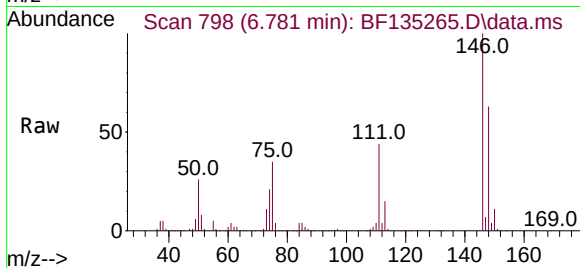
Tgt Ion:146 Resp: 365019

Ion Ratio Lower Upper

146 100

148 62.7 51.3 76.9

111 44.1 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 40.719 ng

RT: 6.934 min Scan# 824

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

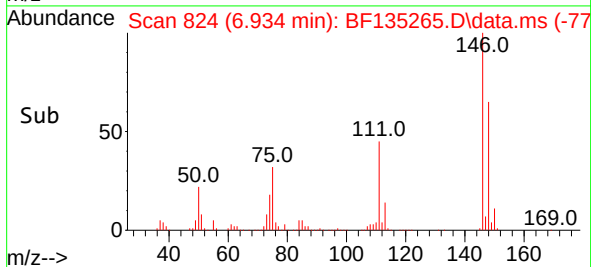
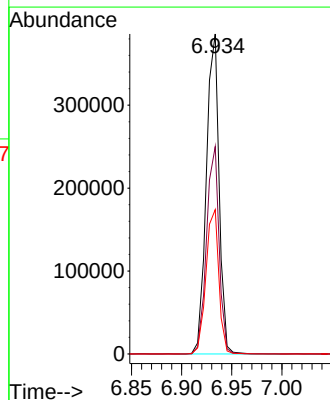
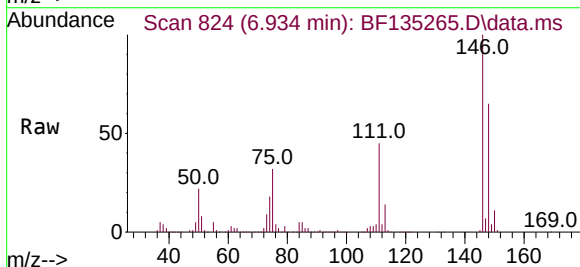
Tgt Ion:146 Resp: 343337

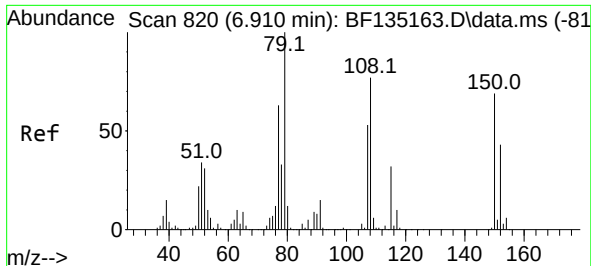
Ion Ratio Lower Upper

146 100

148 64.8 49.7 74.5

111 45.1 37.4 56.2

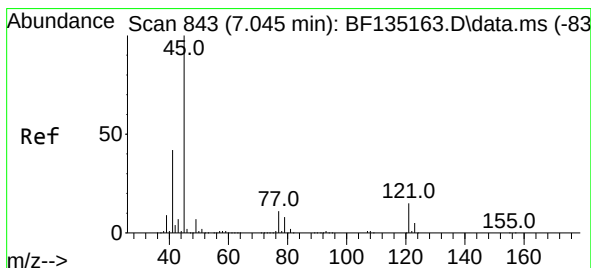
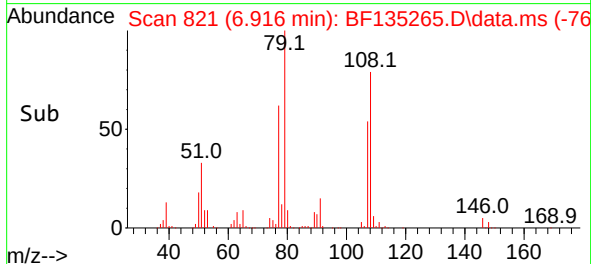
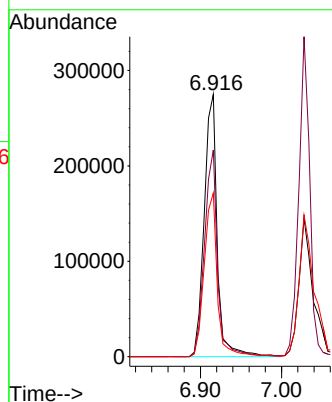
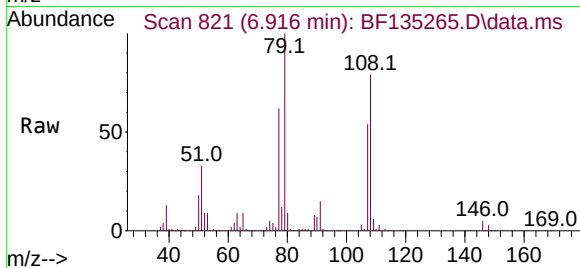




#15
Benzyl Alcohol
Concen: 40.812 ng
RT: 6.916 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

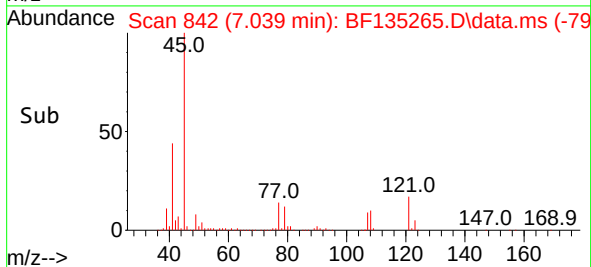
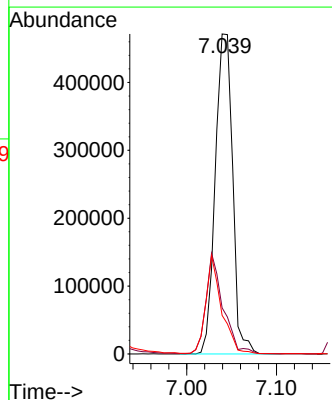
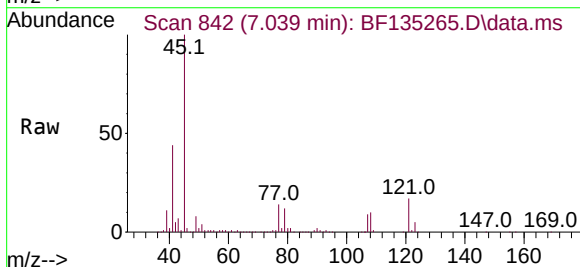
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

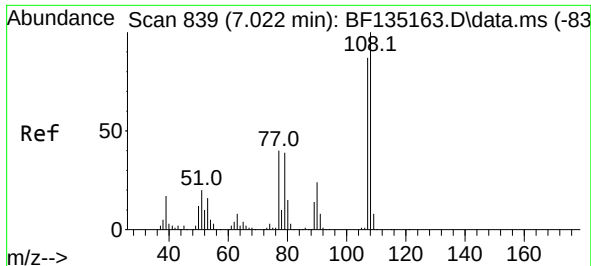
Tgt Ion: 79 Resp: 306323
Ion Ratio Lower Upper
79 100
108 78.8 61.2 91.8
77 62.4 50.5 75.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.032 ng
RT: 7.039 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion: 45 Resp: 632969
Ion Ratio Lower Upper
45 100
77 14.4 0.0 30.6
79 12.0 0.0 28.3

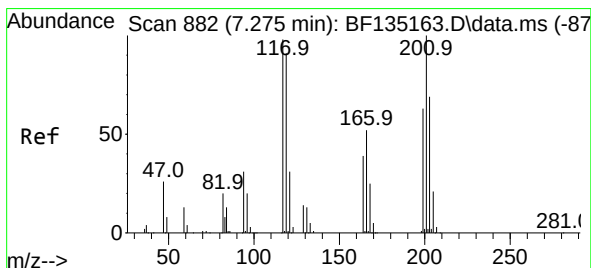
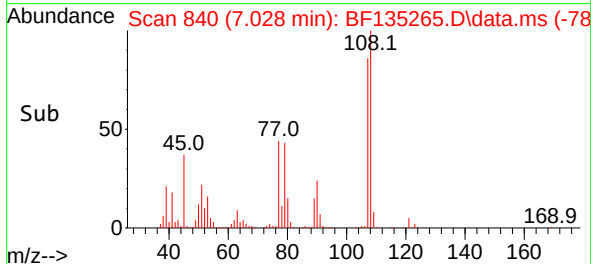
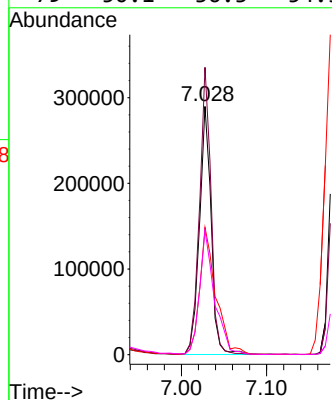
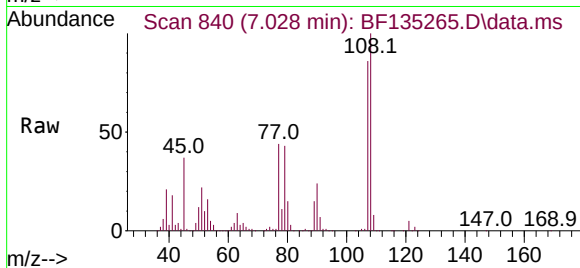




#17
2-Methylphenol
Concen: 35.771 ng
RT: 7.028 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

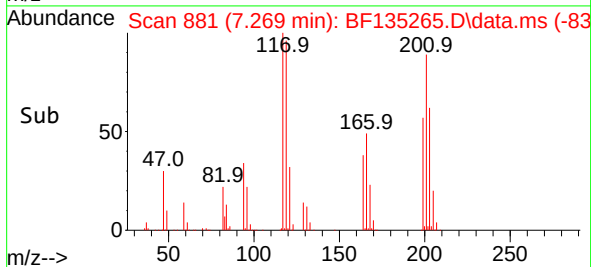
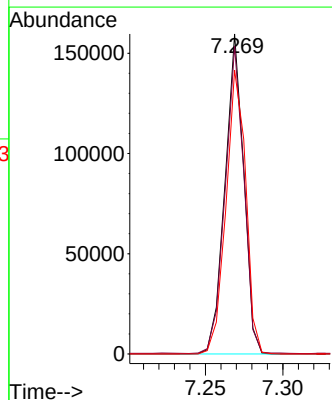
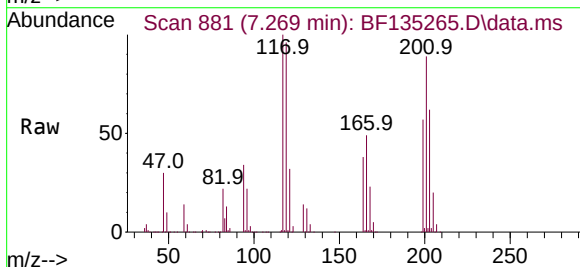
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

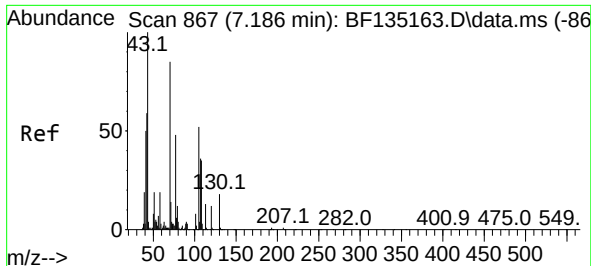
Tgt Ion:	107	Resp:	277192
Ion	Ratio	Lower	Upper
107	100		
108	115.7	92.0	138.0
77	51.2	36.7	55.1
79	50.1	36.3	54.5



#18
Hexachloroethane
Concen: 39.985 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:	117	Resp:	134142
Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.7	112.1
201	88.7	81.8	122.8

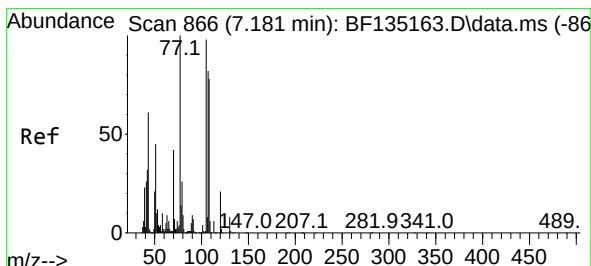
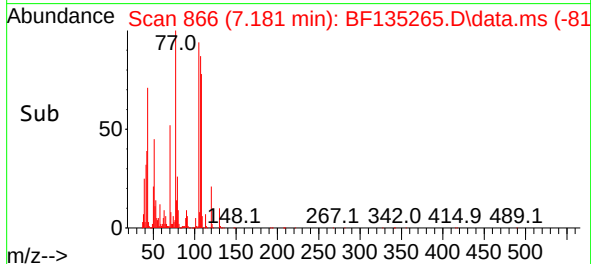
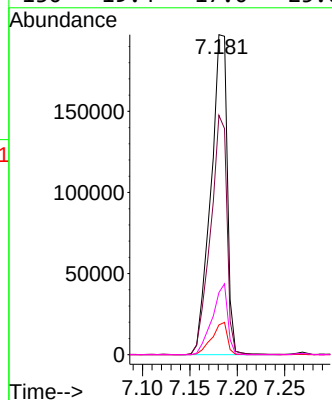
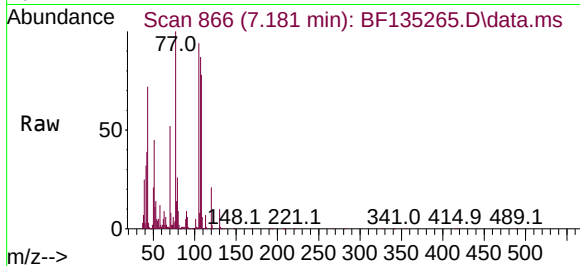




#19
n-Nitroso-di-n-propylamine
Concen: 36.676 ng
RT: 7.181 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

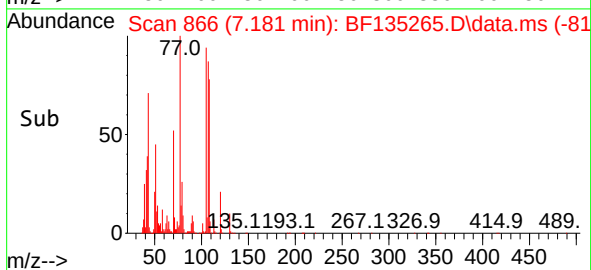
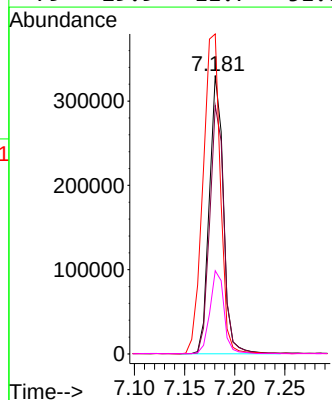
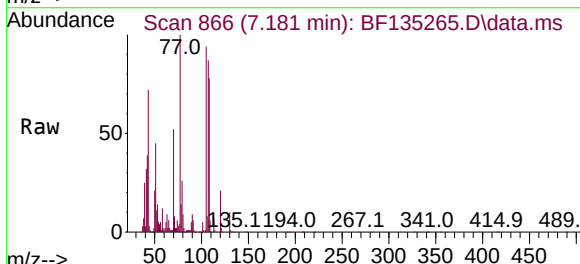
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

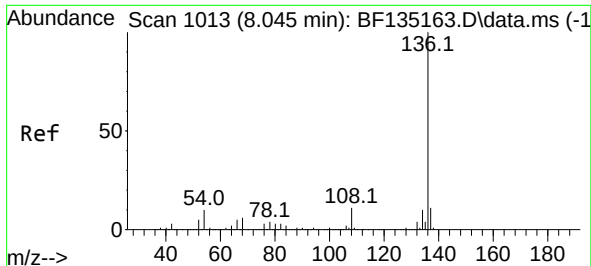
Tgt Ion: 70 Resp: 237612
Ion Ratio Lower Upper
70 100
42 74.8 55.4 83.0
101 9.3 7.7 11.5
130 19.4 17.0 25.6



#20
3+4-Methylphenols
Concen: 34.670 ng
RT: 7.181 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:107 Resp: 323057
Ion Ratio Lower Upper
107 100
108 89.2 74.7 114.7
77 115.0 102.0 142.0
79 29.9 11.7 51.7

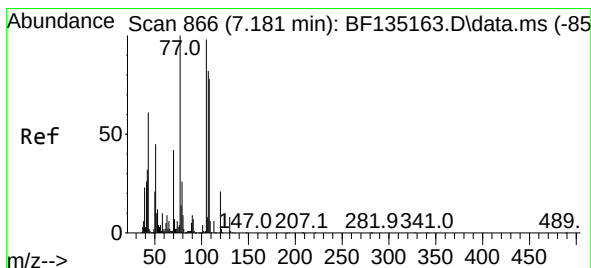
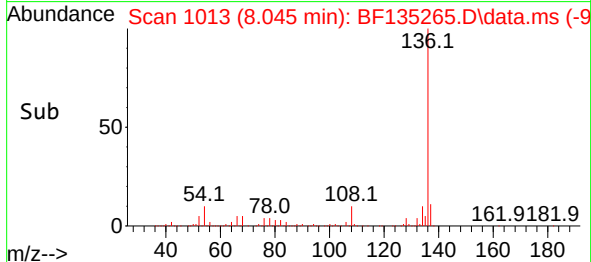
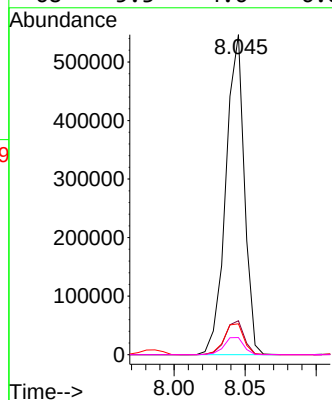
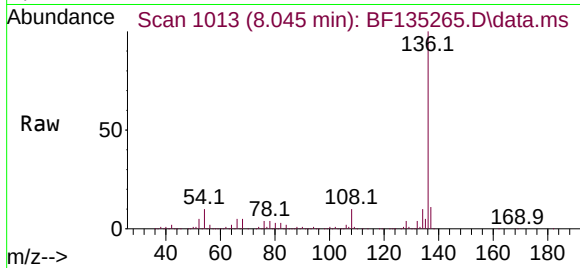




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

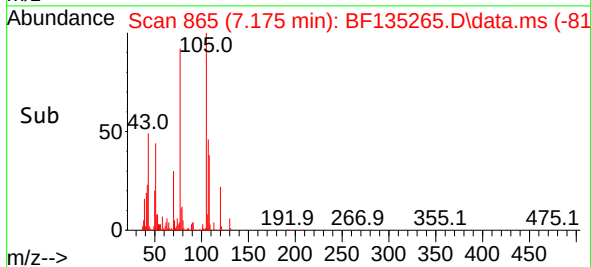
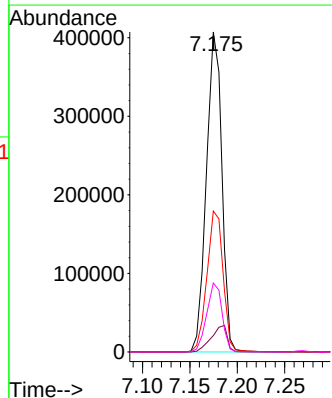
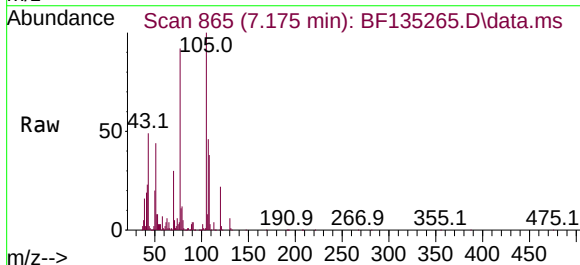
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

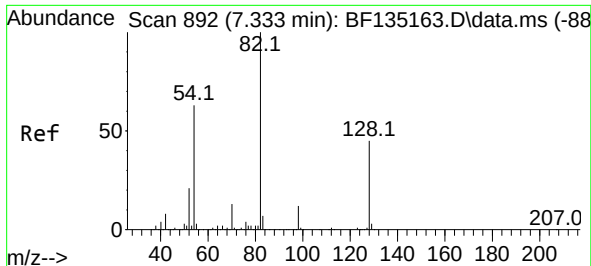
Tgt Ion:	136	Resp:	493836
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.7	7.7	11.5
68	5.3	4.6	6.8



#22
Acetophenone
Concen: 40.914 ng
RT: 7.175 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:	105	Resp:	461935
Ion	Ratio	Lower	Upper
105	100		
71	5.1	5.8	8.6#
51	44.1	37.0	55.4
120	21.6	17.0	25.6





#23

Nitrobenzene-d5

Concen: 56.421 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

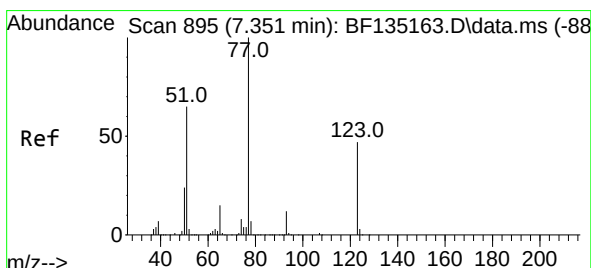
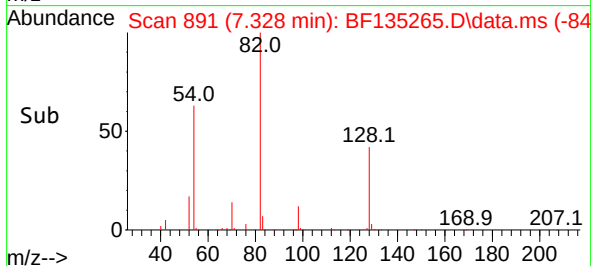
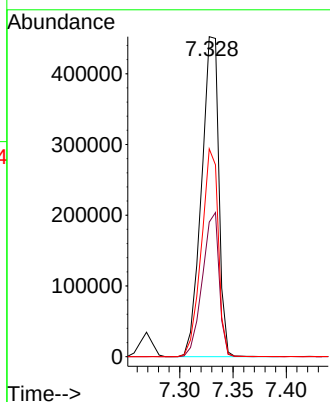
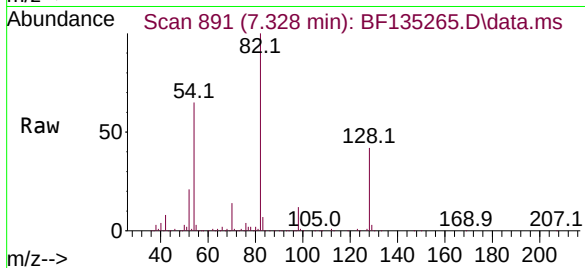
Tgt Ion: 82 Resp: 512847

Ion Ratio Lower Upper

82 100

128 42.0 35.8 53.6

54 64.9 50.6 76.0



#24

Nitrobenzene

Concen: 41.135 ng

RT: 7.351 min Scan# 895

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

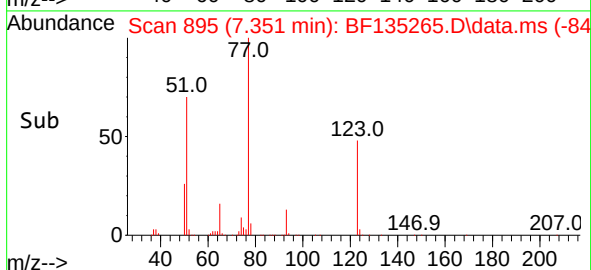
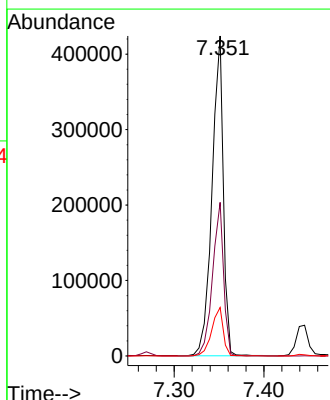
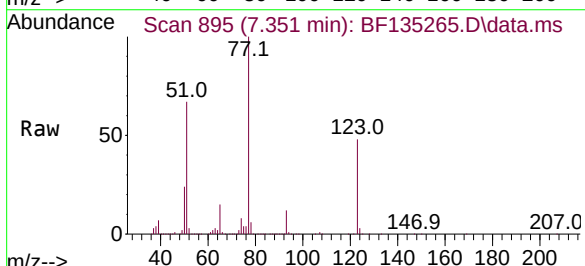
Tgt Ion: 77 Resp: 369568

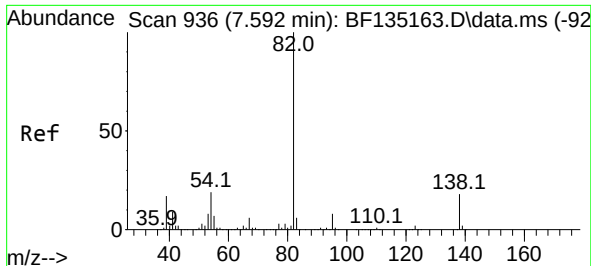
Ion Ratio Lower Upper

77 100

123 48.0 37.6 56.4

65 15.1 12.2 18.4

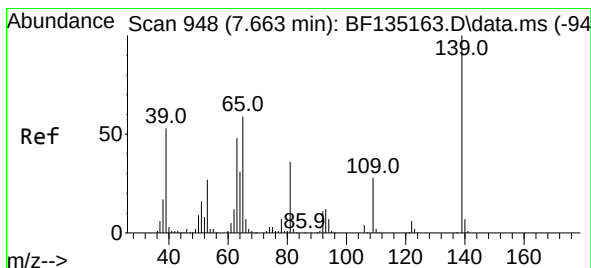
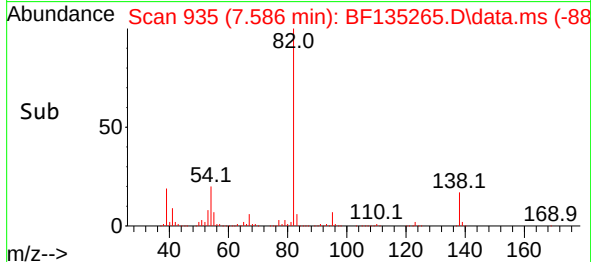
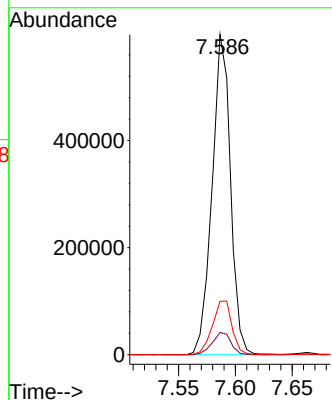
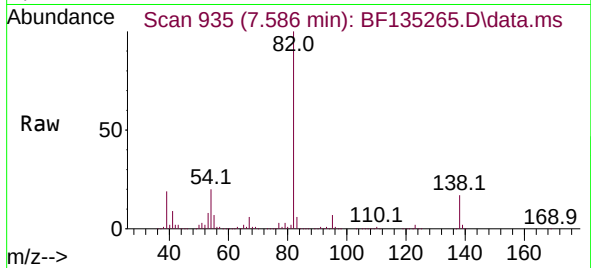




#25
Isophorone
Concen: 40.359 ng
RT: 7.586 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

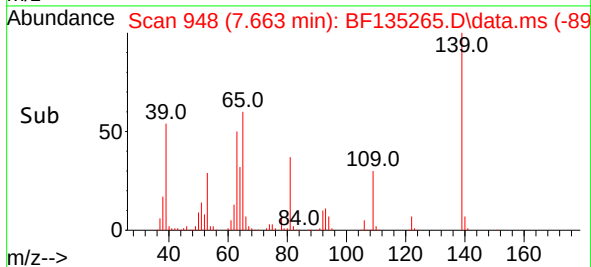
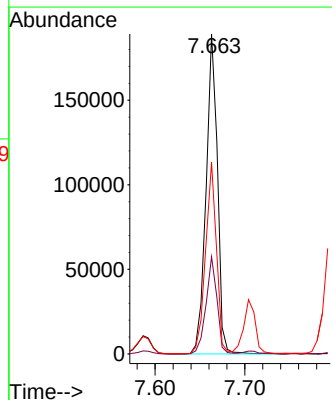
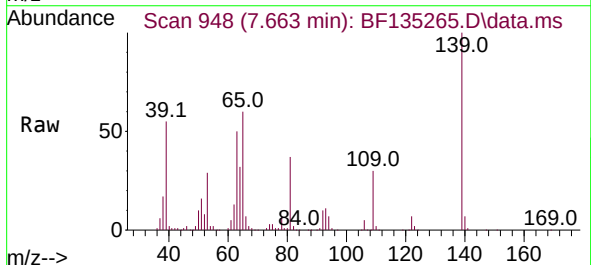
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

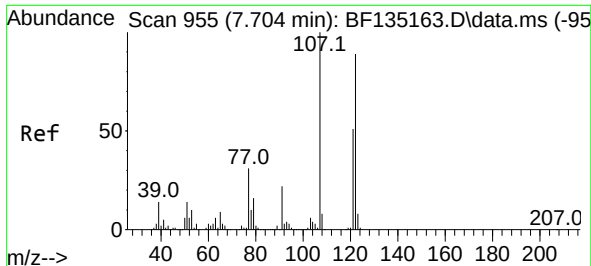
Tgt Ion: 82 Resp: 673627
Ion Ratio Lower Upper
82 100
95 6.9 6.0 9.0
138 16.7 14.5 21.7



#26
2-Nitrophenol
Concen: 38.631 ng
RT: 7.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion: 139 Resp: 166574
Ion Ratio Lower Upper
139 100
109 30.4 22.6 33.8
65 59.9 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 36.720 ng

RT: 7.704 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF135265.D

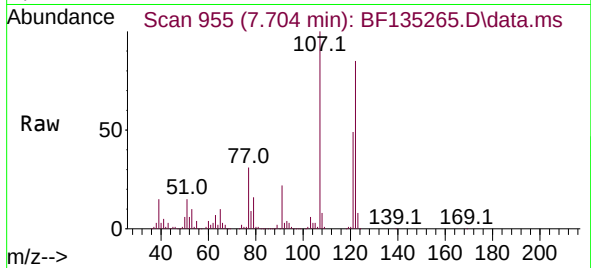
Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD



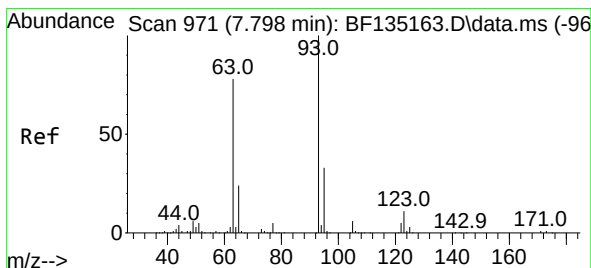
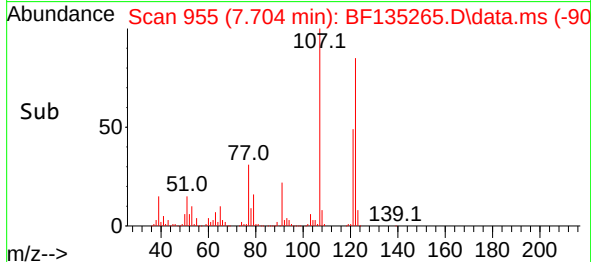
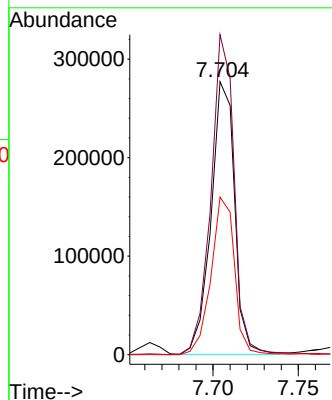
Tgt Ion:122 Resp: 266138

Ion Ratio Lower Upper

122 100

107 117.2 90.2 135.4

121 57.7 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 41.812 ng

RT: 7.798 min Scan# 971

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

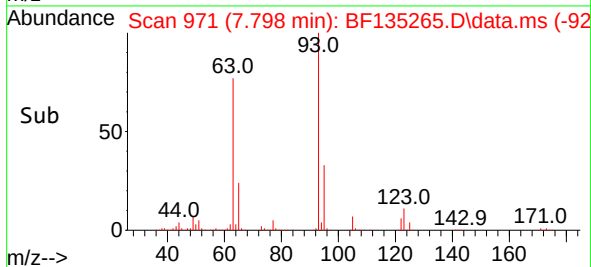
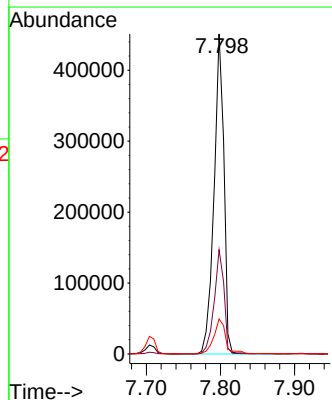
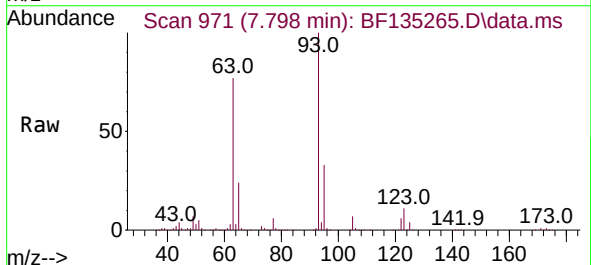
Tgt Ion: 93 Resp: 417701

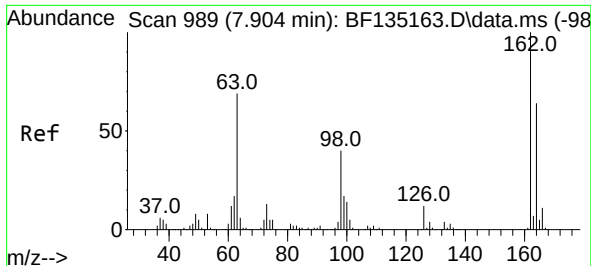
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

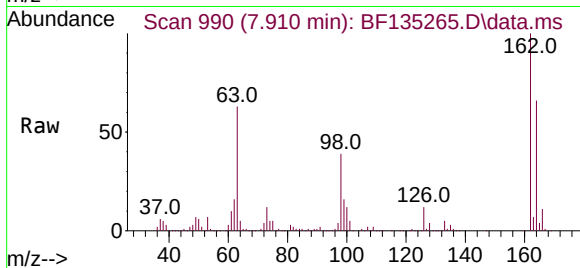
123 11.0 8.8 13.2



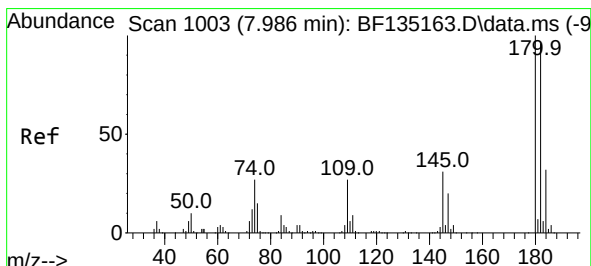
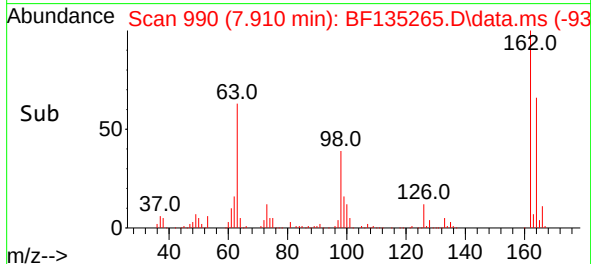
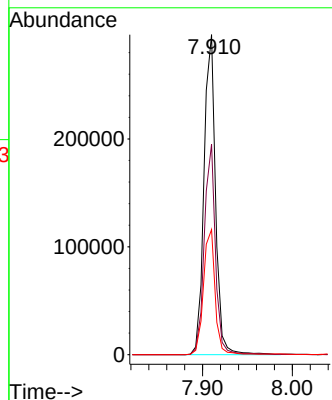


#29
2,4-Dichlorophenol
Concen: 39.578 ng
RT: 7.910 min Scan# 990
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Instrument :
BNA_F
ClientSampleId :
72-11930MSD

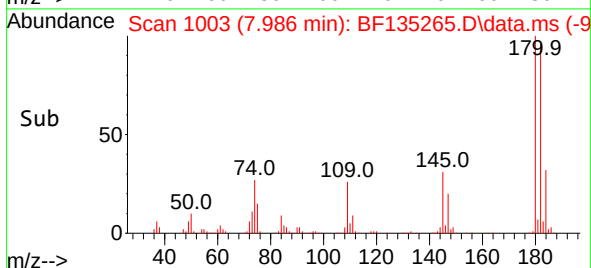
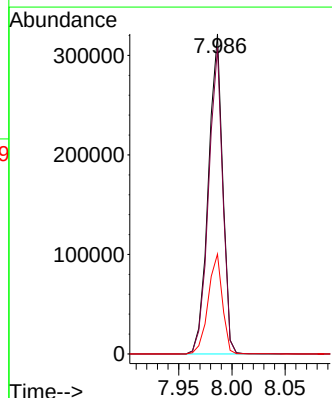
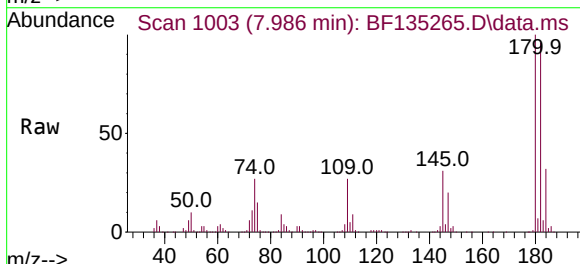


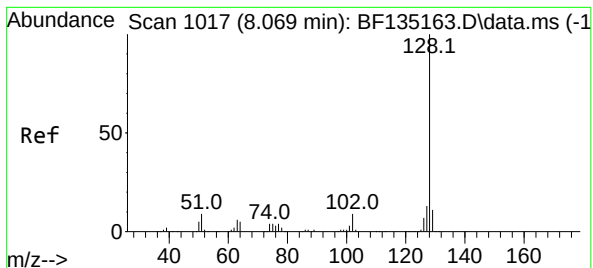
Tgt Ion:162 Resp: 265806
Ion Ratio Lower Upper
162 100
164 65.8 44.1 84.1
98 39.1 20.3 60.3



#30
1,2,4-Trichlorobenzene
Concen: 42.984 ng
RT: 7.986 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:180 Resp: 301736
Ion Ratio Lower Upper
180 100
182 95.7 76.9 115.3
145 31.2 24.5 36.7





#31

Naphthalene

Concen: 40.531 ng

RT: 8.069 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

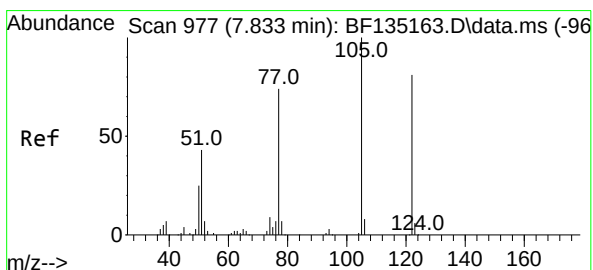
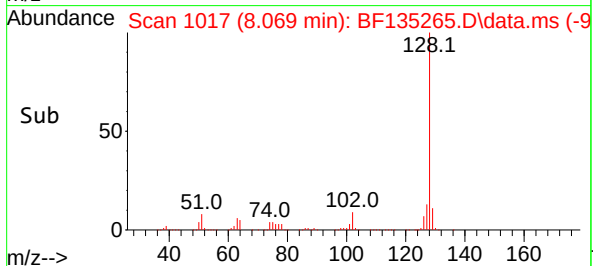
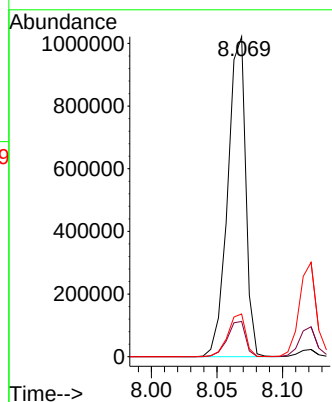
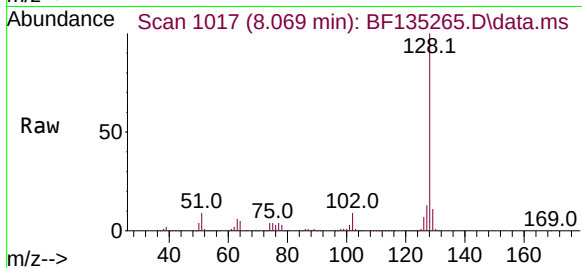
Tgt Ion:128 Resp: 972509

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.3 10.7 16.1



#32

Benzoic acid

Concen: 19.884 ng

RT: 7.828 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

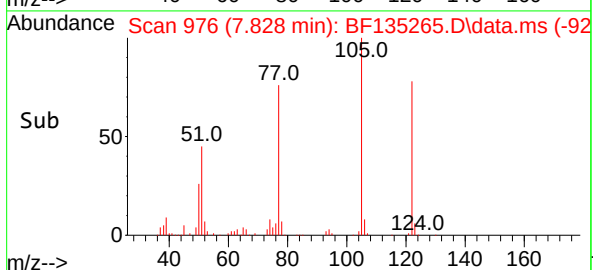
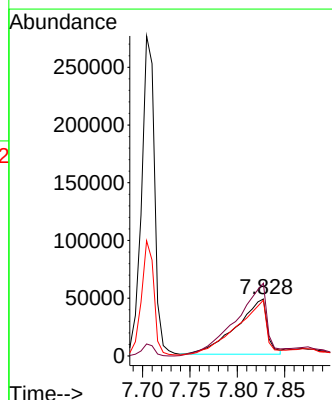
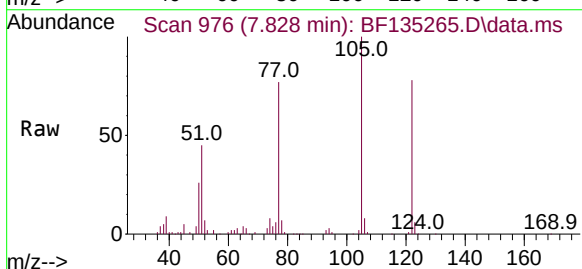
Tgt Ion:122 Resp: 108523

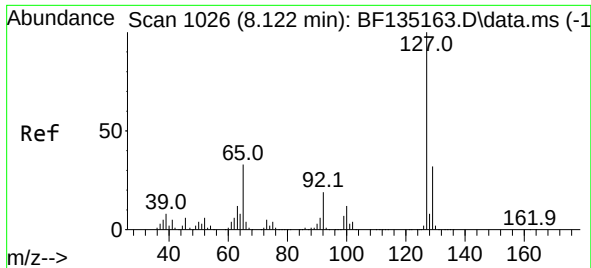
Ion Ratio Lower Upper

122 100

105 127.8 99.9 139.9

77 98.0 70.0 110.0

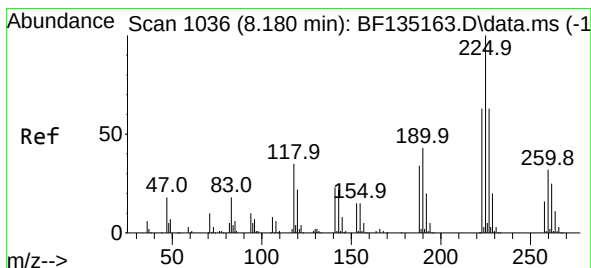
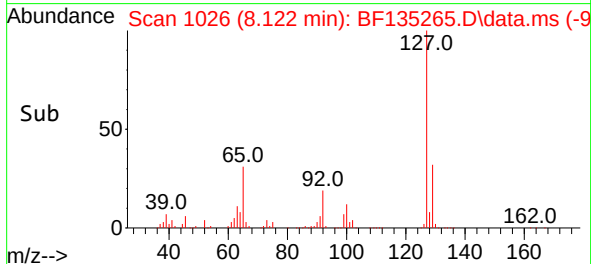
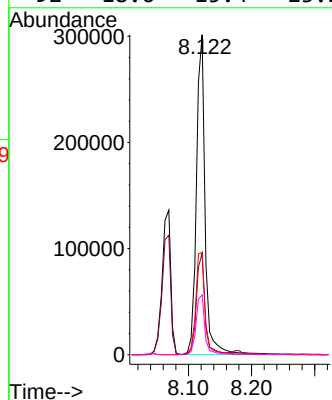
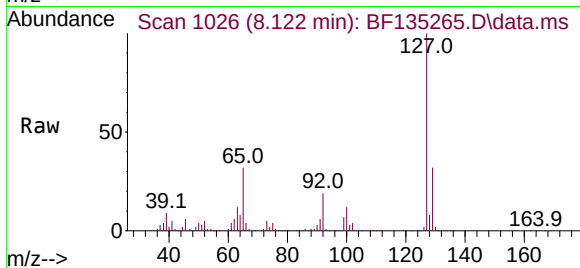




#33
4-Chloroaniline
Concen: 27.268 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

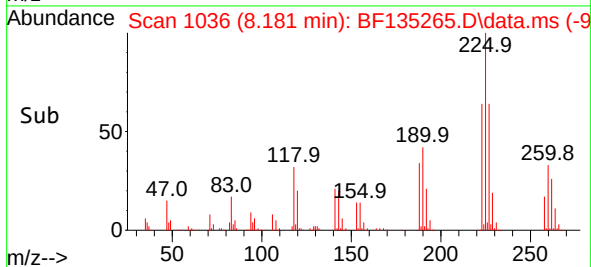
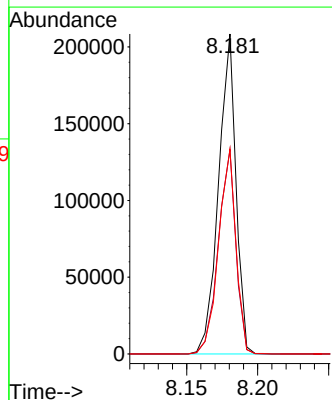
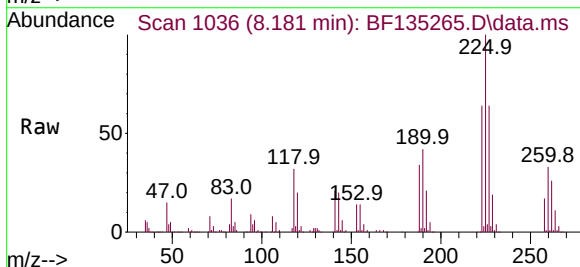
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

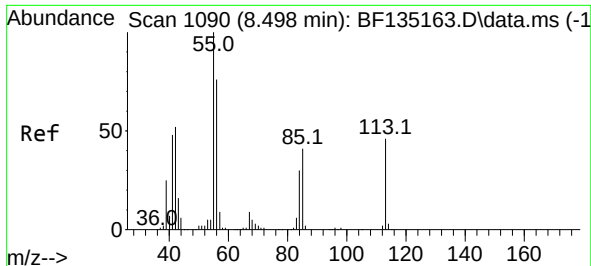
Tgt Ion:	127	Resp:	287057
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.8	38.8
65	31.9	26.6	39.8
92	18.6	15.4	23.2



#34
Hexachlorobutadiene
Concen: 41.957 ng
RT: 8.181 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:	225	Resp:	177592
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.6	75.8
227	64.0	50.8	76.2

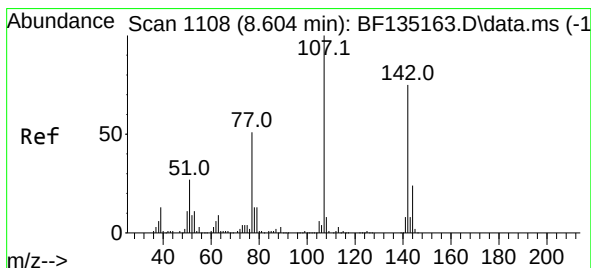
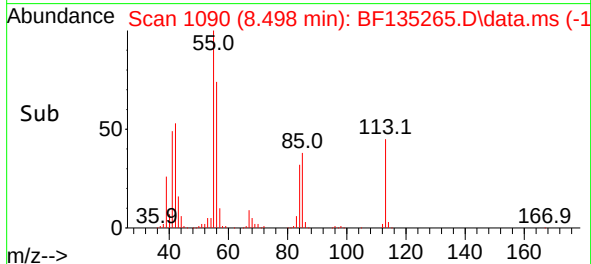
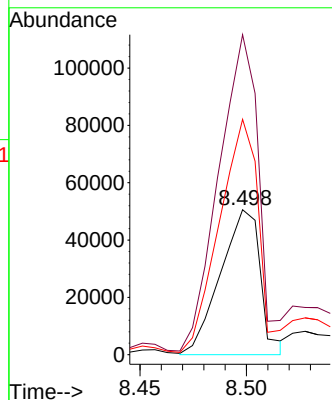
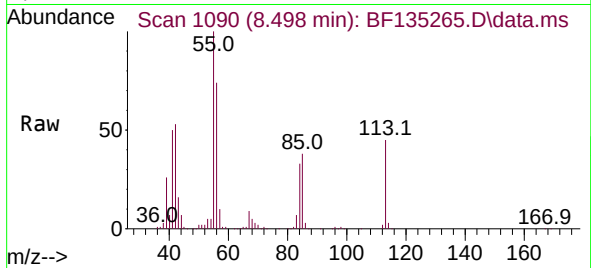




#35
Caprolactam
Concen: 29.301 ng
RT: 8.498 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

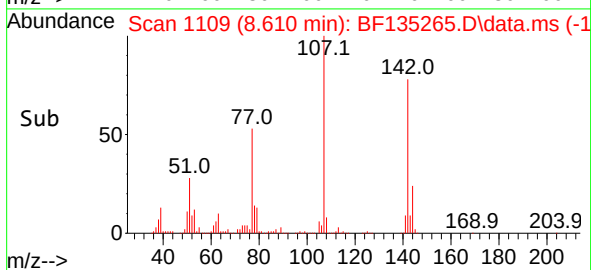
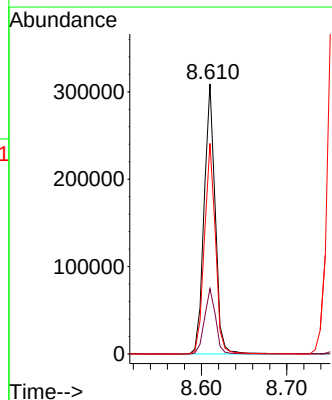
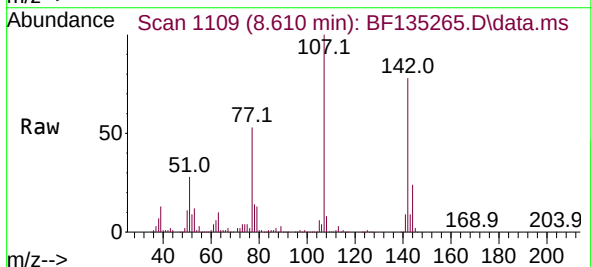
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

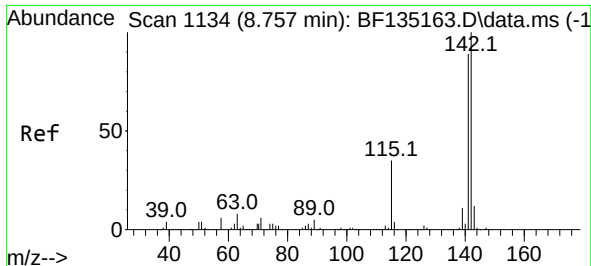
Tgt Ion:113 Resp: 66043
Ion Ratio Lower Upper
113 100
55 220.7 199.3 239.3
56 162.4 146.3 186.3



#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:107 Resp: 278133
Ion Ratio Lower Upper
107 100
144 24.2 19.0 28.4
142 78.0 60.2 90.2

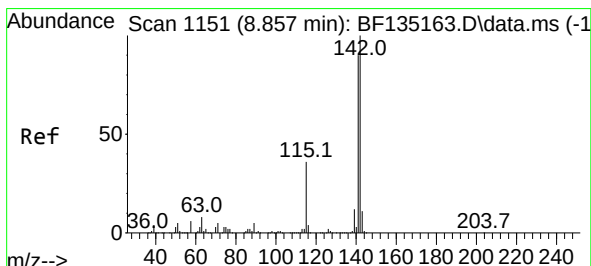
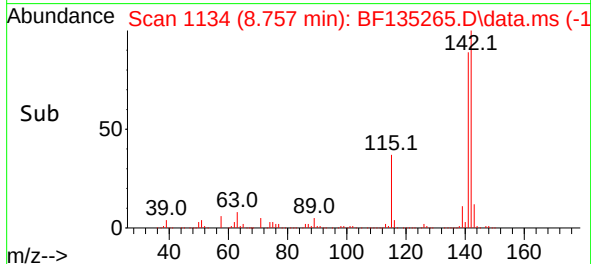
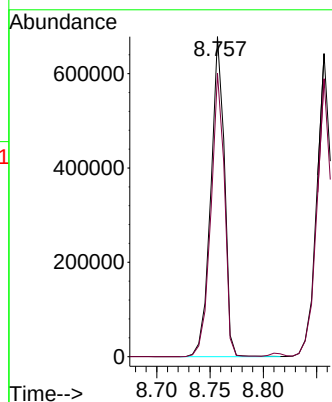
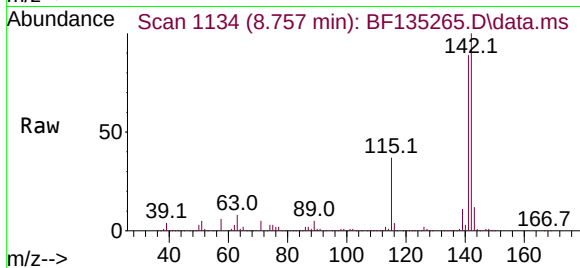




#37
2-Methylnaphthalene
Concen: 37.351 ng
RT: 8.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

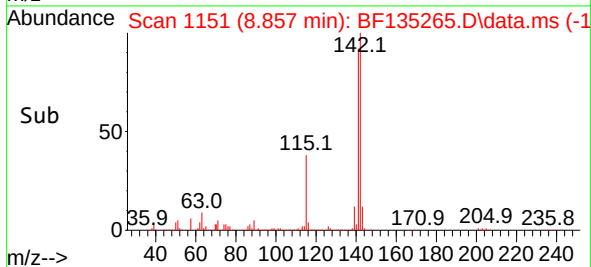
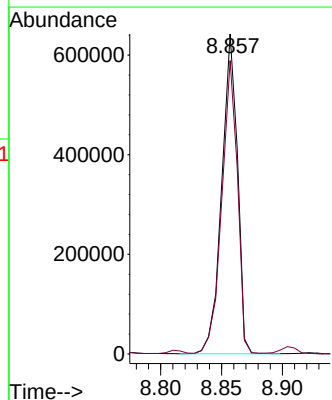
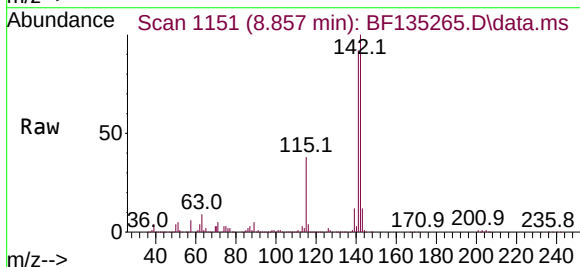
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

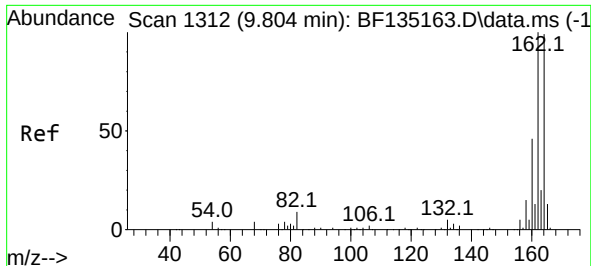
Tgt Ion:142 Resp: 602425
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.6



#38
1-Methylnaphthalene
Concen: 38.209 ng
RT: 8.857 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

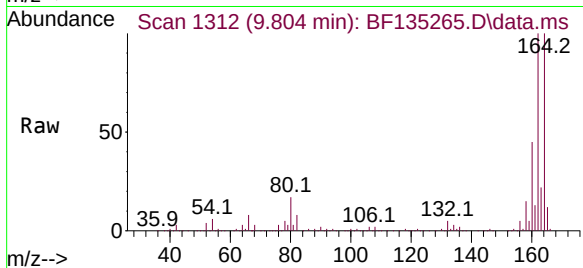
Tgt Ion:142 Resp: 576967
Ion Ratio Lower Upper
142 100
141 91.7 72.4 108.6



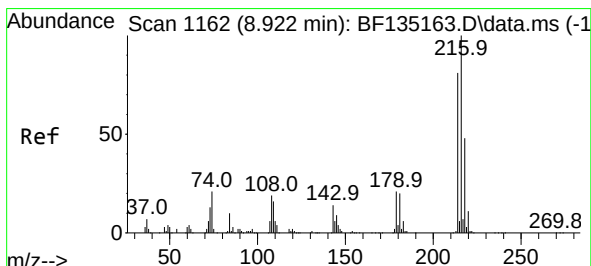
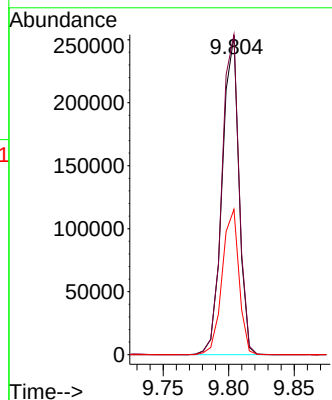
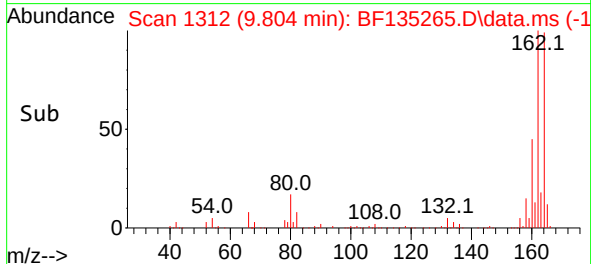


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

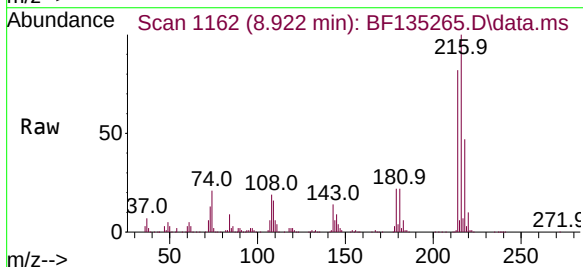
Instrument :
BNA_F
ClientSampleId :
72-11930MSD



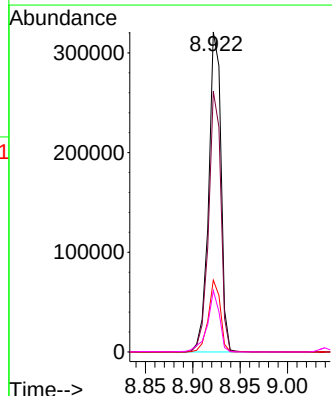
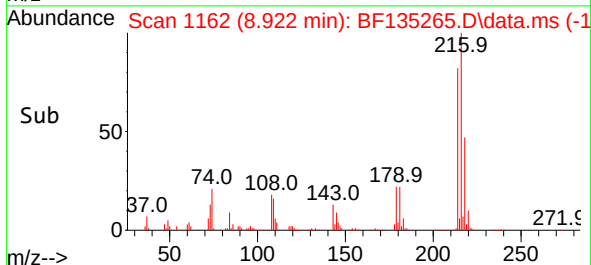
Tgt Ion:164 Resp: 223626
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.4
160 45.6 37.0 55.4

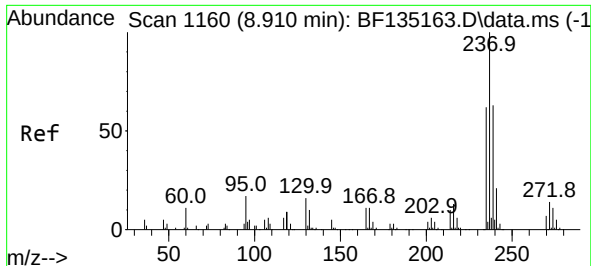


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.631 ng
RT: 8.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09



Tgt Ion:216 Resp: 289149
Ion Ratio Lower Upper
216 100
214 80.9 63.7 95.5
179 21.8 16.7 25.1
108 19.0 14.9 22.3

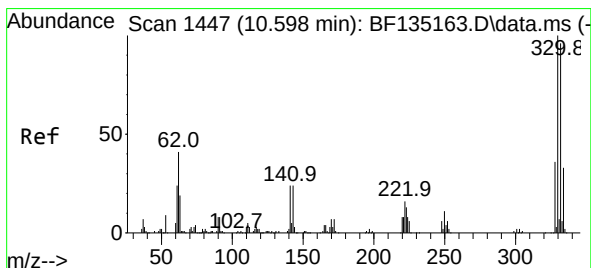
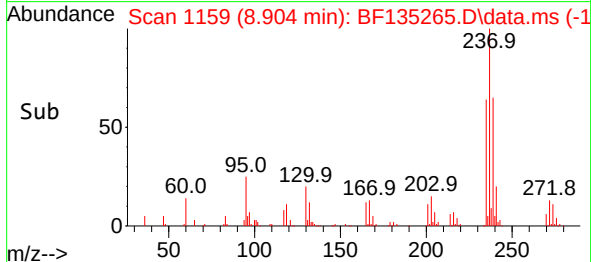
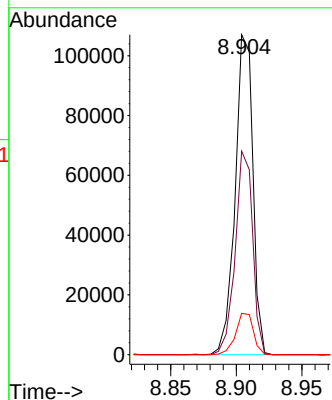
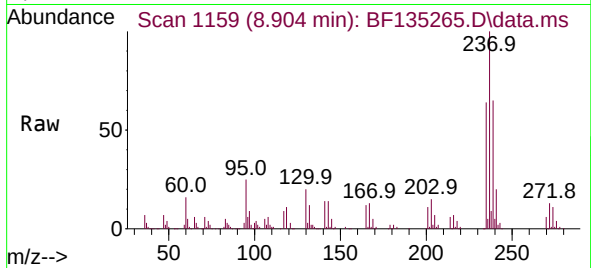




#41
Hexachlorocyclopentadiene
Concen: 39.456 ng
RT: 8.904 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

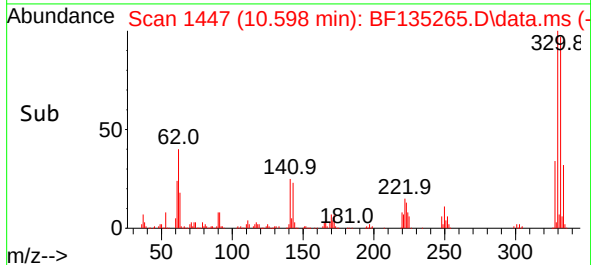
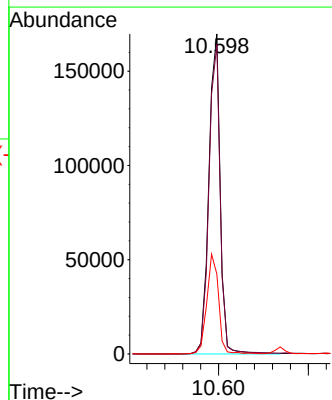
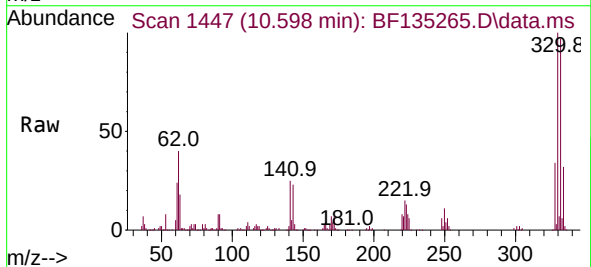
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

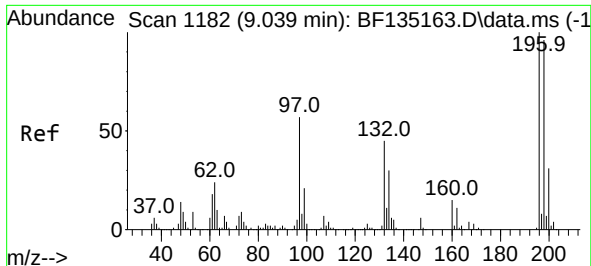
Tgt Ion:237 Resp: 100866
Ion Ratio Lower Upper
237 100
235 63.6 41.8 81.8
272 12.9 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 66.784 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:330 Resp: 148414
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 32.5 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 41.211 ng

RT: 9.039 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

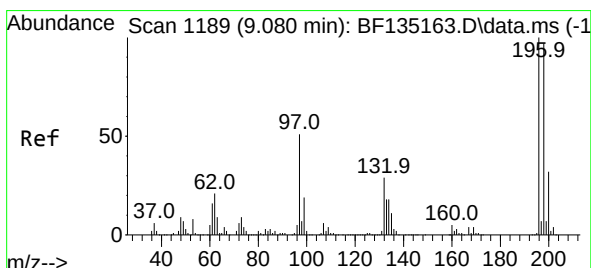
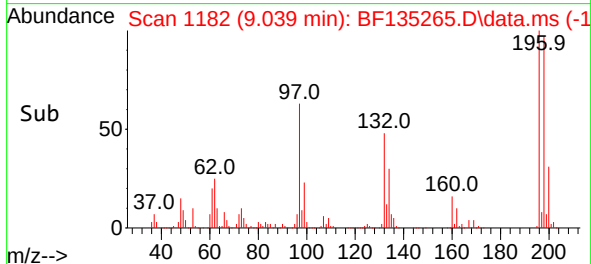
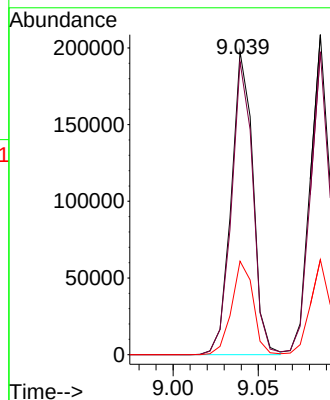
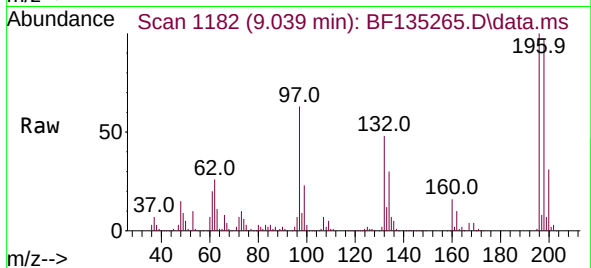
Tgt Ion:196 Resp: 174811

Ion Ratio Lower Upper

196 100

198 96.7 77.0 115.6

200 30.8 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 35.699 ng

RT: 9.086 min Scan# 1190

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Tgt Ion:196 Resp: 174387

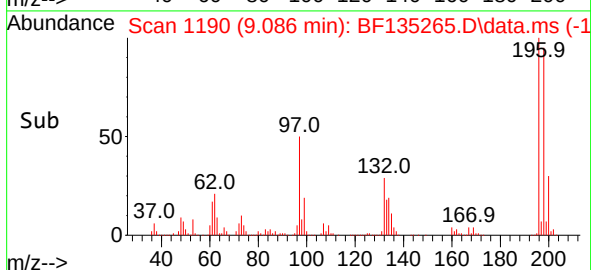
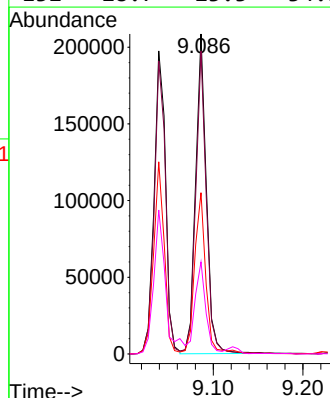
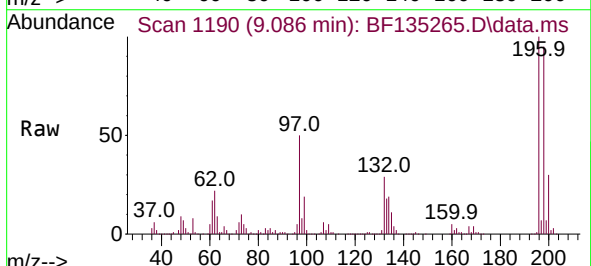
Ion Ratio Lower Upper

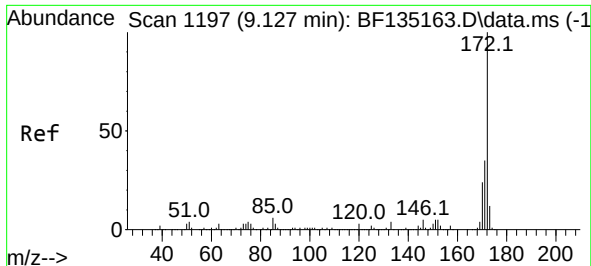
196 100

198 94.6 77.5 116.3

97 50.4 40.5 60.7

132 28.7 23.3 34.9

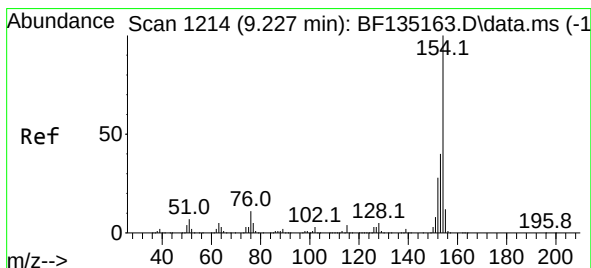
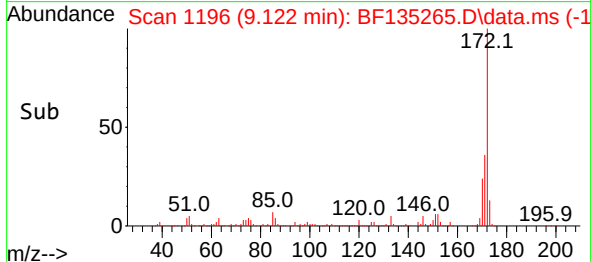
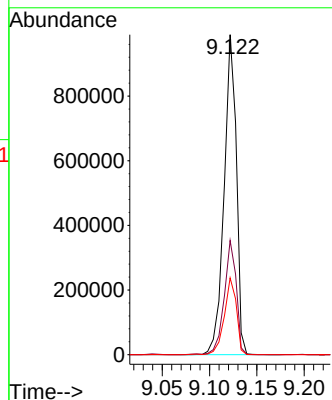
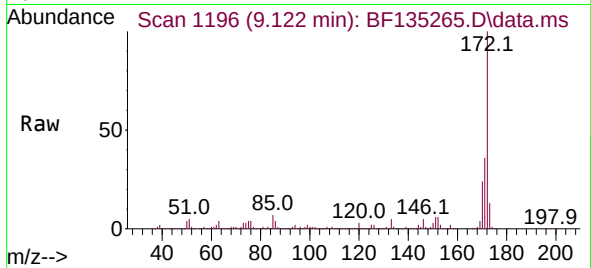




#45
2-Fluorobiphenyl
Concen: 60.425 ng
RT: 9.122 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

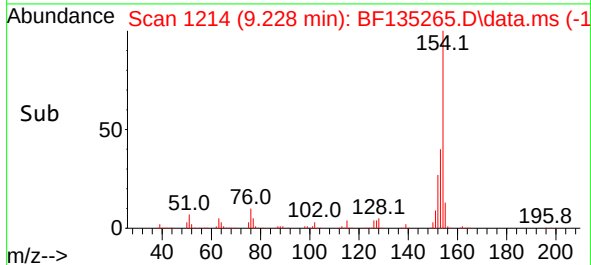
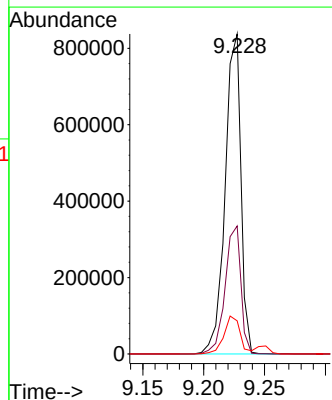
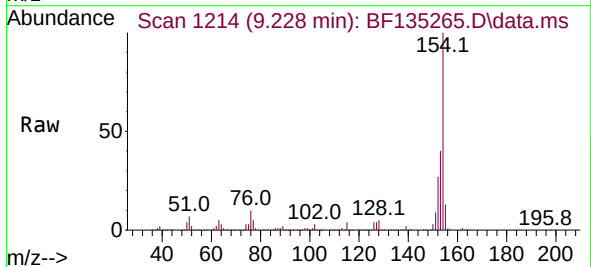
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

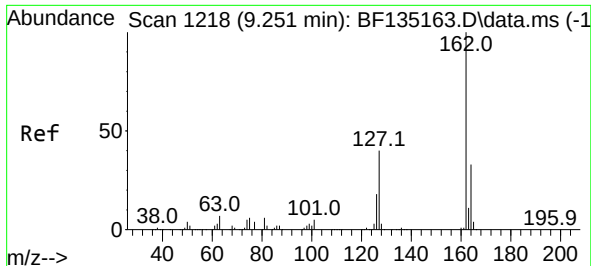
Tgt Ion:172 Resp: 895628
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 24.0 19.0 28.4



#46
1,1'-Biphenyl
Concen: 44.001 ng
RT: 9.228 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:154 Resp: 756167
Ion Ratio Lower Upper
154 100
153 40.0 19.6 59.6
76 10.3 0.0 31.0

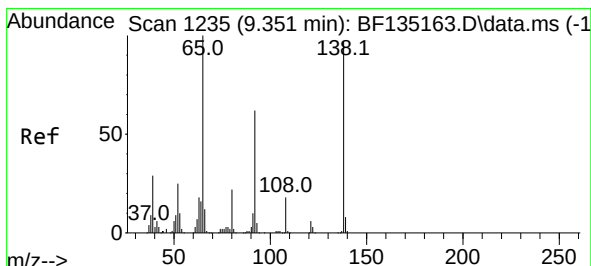
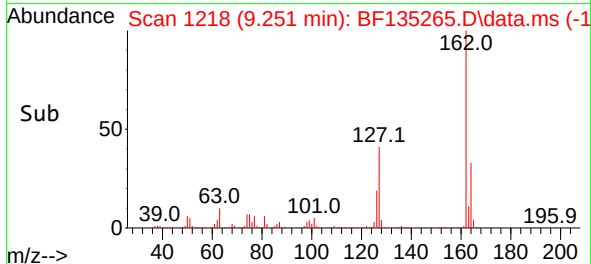
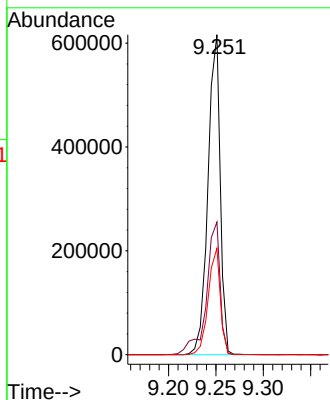
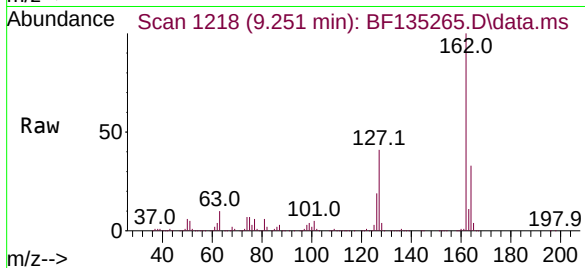




#47
2-Chloronaphthalene
Concen: 44.398 ng
RT: 9.251 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

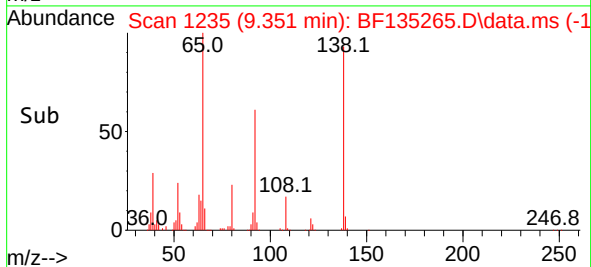
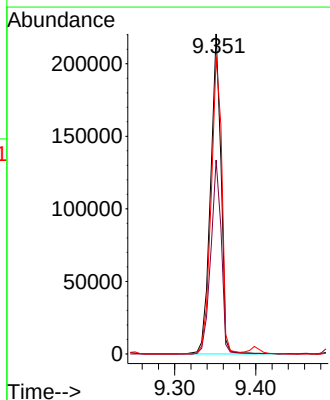
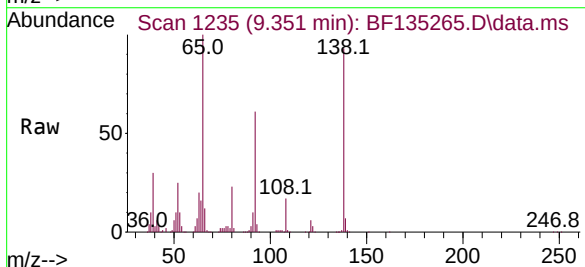
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

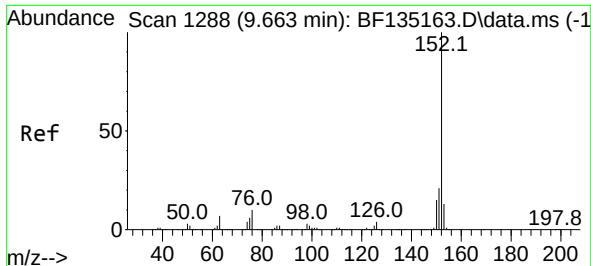
Tgt Ion:162 Resp: 553599
Ion Ratio Lower Upper
162 100
127 41.4 32.6 48.8
164 33.2 26.2 39.2



#48
2-Nitroaniline
Concen: 40.447 ng
RT: 9.351 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion: 65 Resp: 195933
Ion Ratio Lower Upper
65 100
92 60.6 49.4 74.0
138 92.9 77.4 116.0





#49

Acenaphthylene

Concen: 41.990 ng

RT: 9.663 min Scan# 1288

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

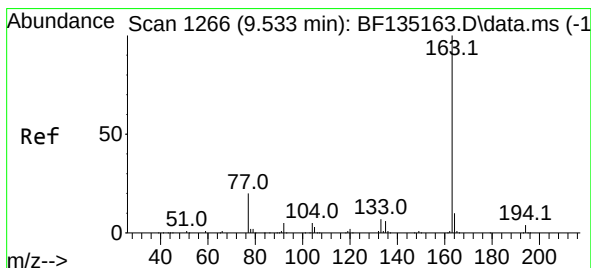
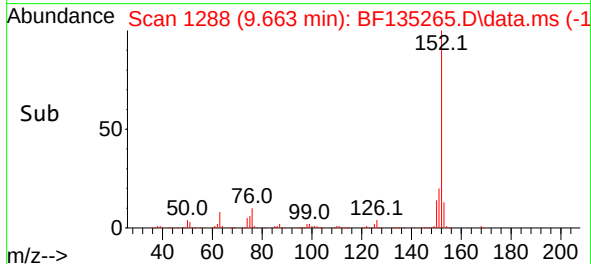
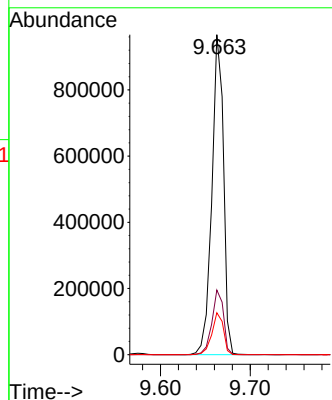
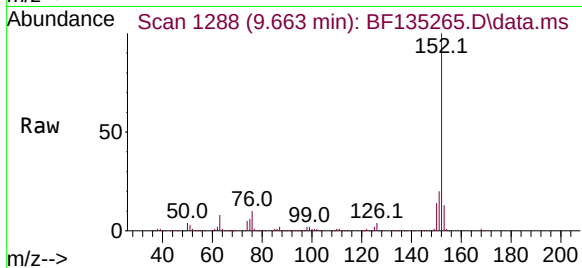
Tgt Ion:152 Resp: 870146

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 41.720 ng

RT: 9.533 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

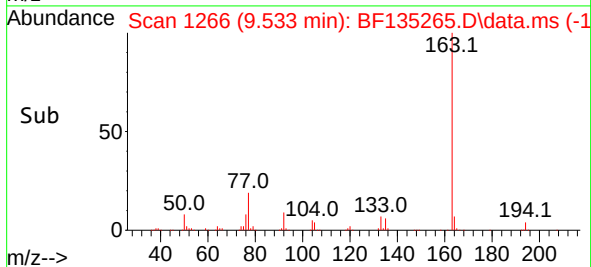
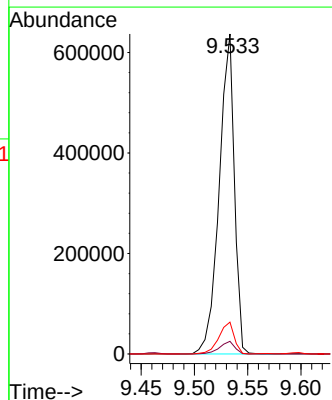
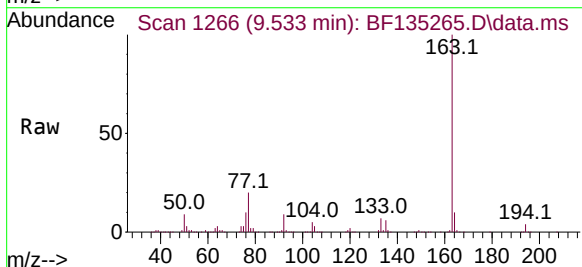
Tgt Ion:163 Resp: 630779

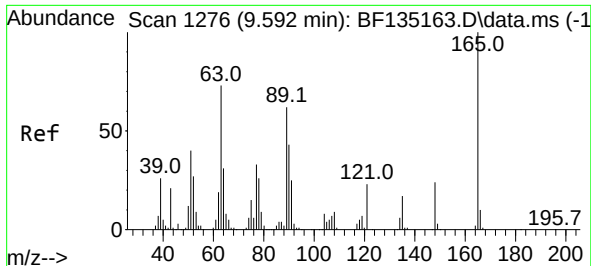
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.0 8.1 12.1

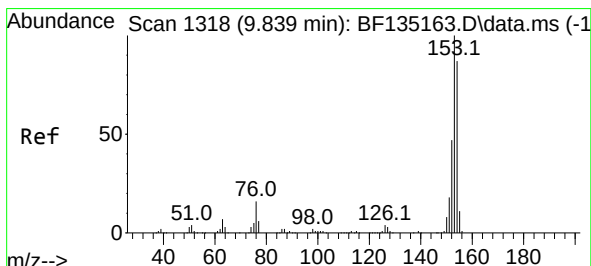
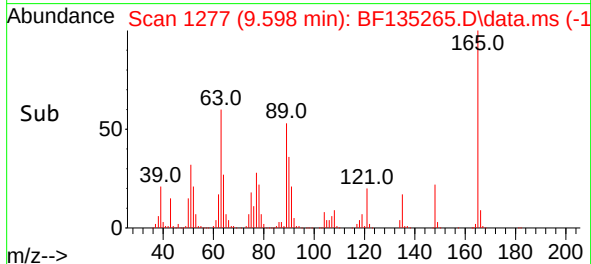
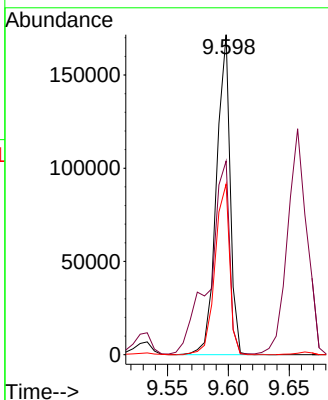
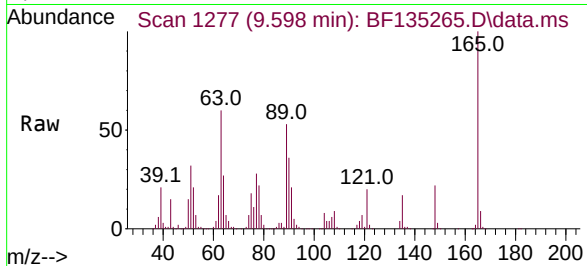




#51
2,6-Dinitrotoluene
Concen: 40.571 ng
RT: 9.598 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

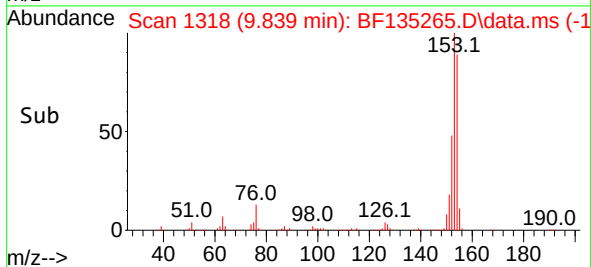
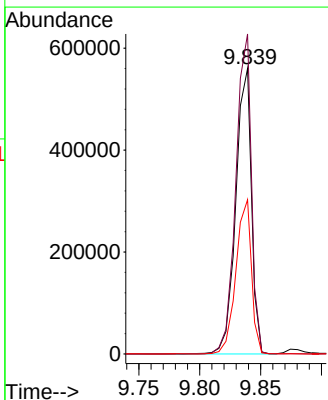
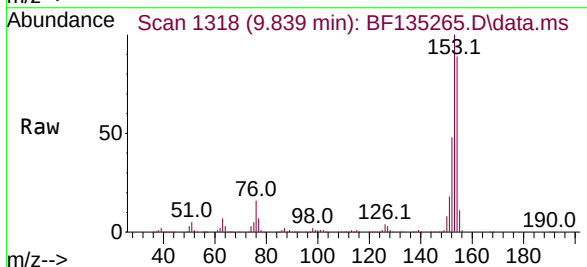
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

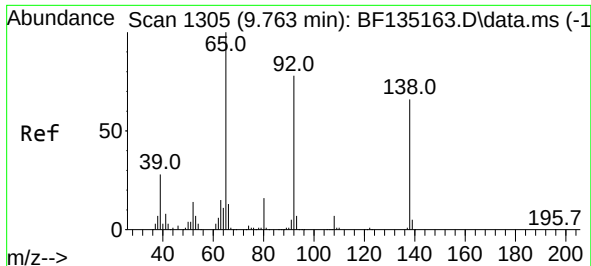
Tgt Ion:165 Resp: 134377
Ion Ratio Lower Upper
165 100
63 60.5 59.4 89.2
89 53.3 49.8 74.8



#52
Acenaphthene
Concen: 41.008 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:154 Resp: 502002
Ion Ratio Lower Upper
154 100
153 112.1 92.1 138.1
152 54.0 43.1 64.7

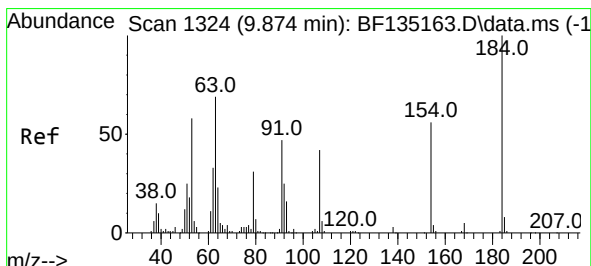
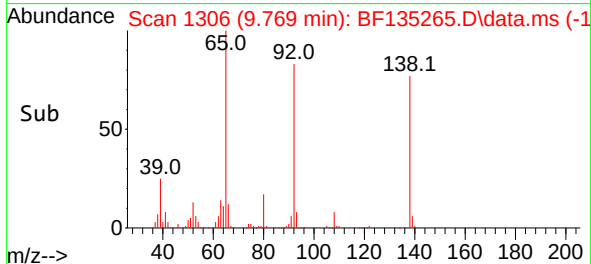
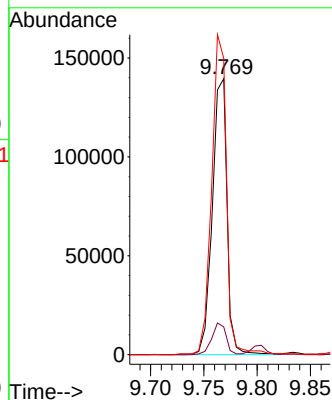
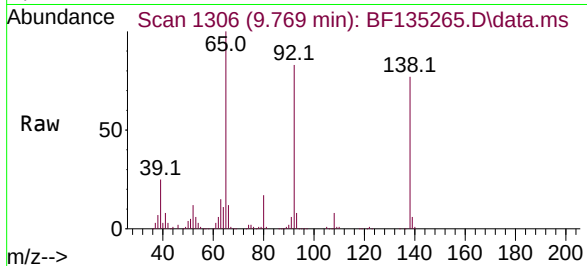




#53
3-Nitroaniline
Concen: 34.462 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

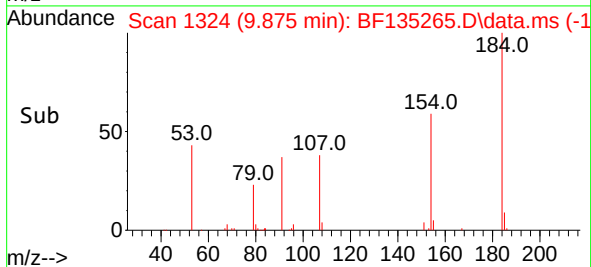
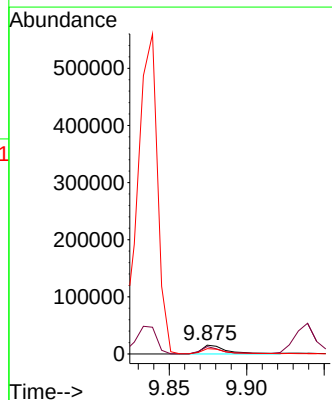
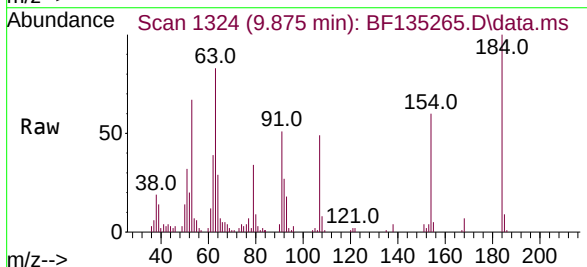
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

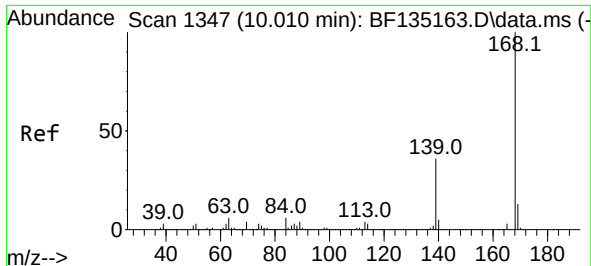
Tgt Ion:138 Resp: 133987
Ion Ratio Lower Upper
138 100
108 10.1 8.5 12.7
92 107.4 95.4 143.0



#54
2,4-Dinitrophenol
Concen: 14.838 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:184 Resp: 17520
Ion Ratio Lower Upper
184 100
63 83.1 55.1 82.7#
154 60.3 48.4 72.6

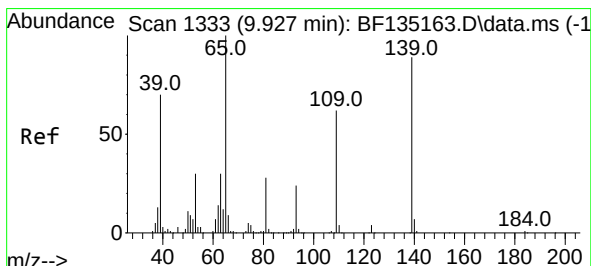
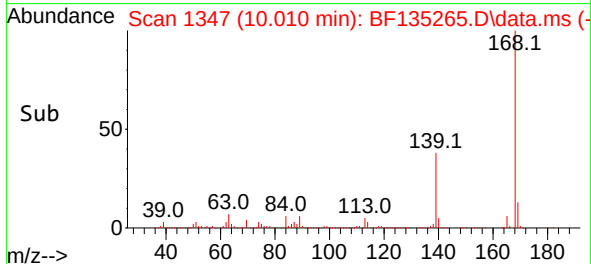
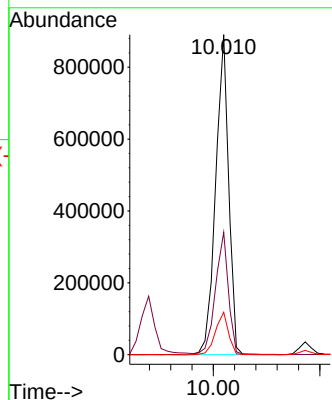
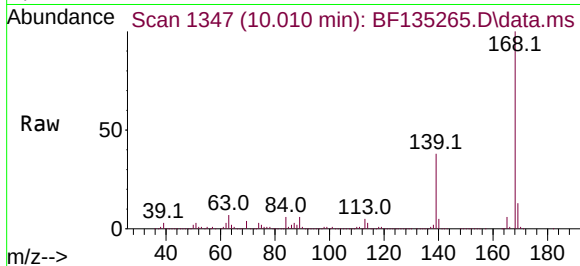




#55
Dibenzofuran
Concen: 40.201 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

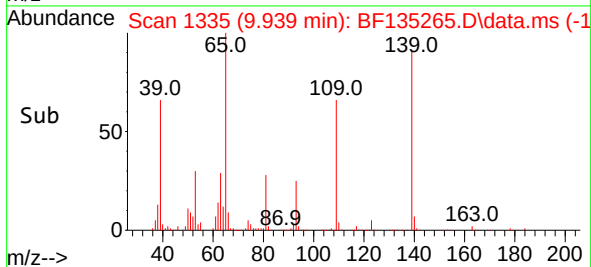
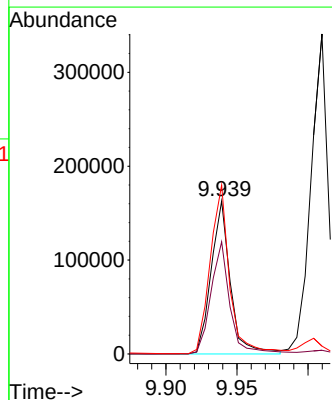
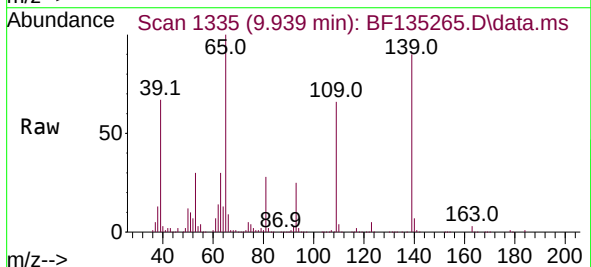
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

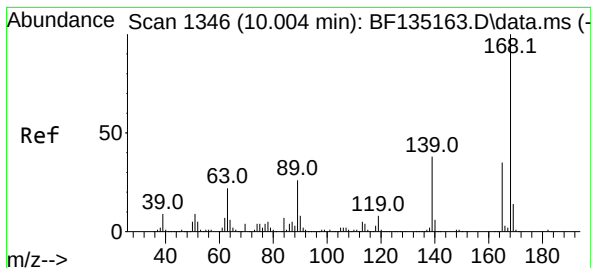
Tgt Ion:168 Resp: 750985
Ion Ratio Lower Upper
168 100
139 38.3 29.0 43.6
169 13.2 10.4 15.6



#56
4-Nitrophenol
Concen: 61.899 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:139 Resp: 152951
Ion Ratio Lower Upper
139 100
109 73.3 49.8 89.8
65 110.5 92.7 132.7

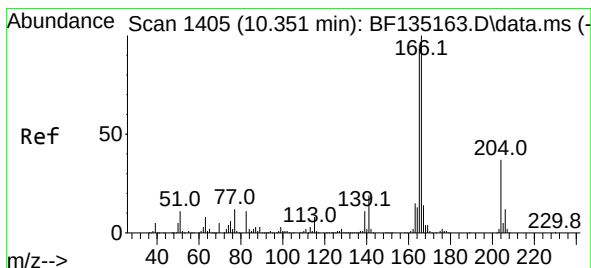
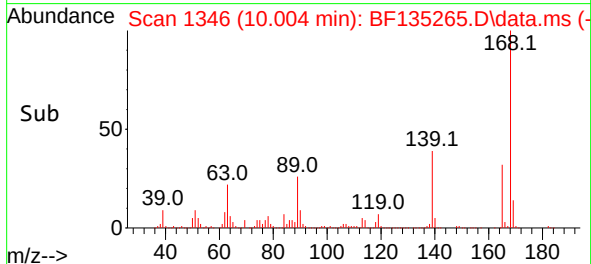
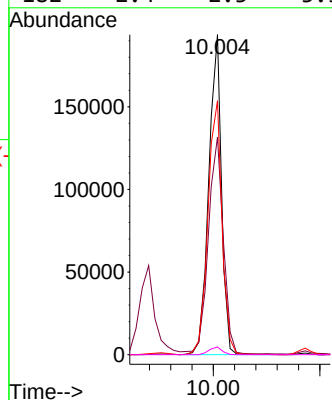
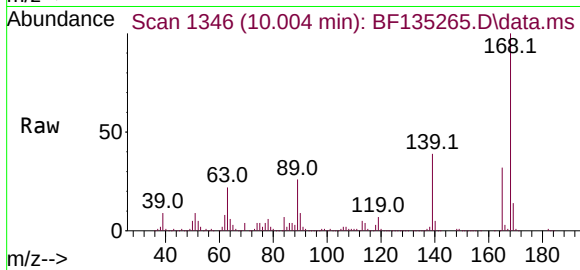




#57
2,4-Dinitrotoluene
Concen: 38.724 ng
RT: 10.004 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

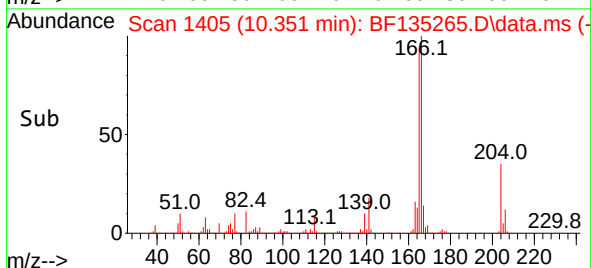
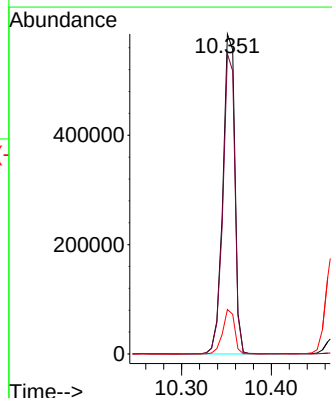
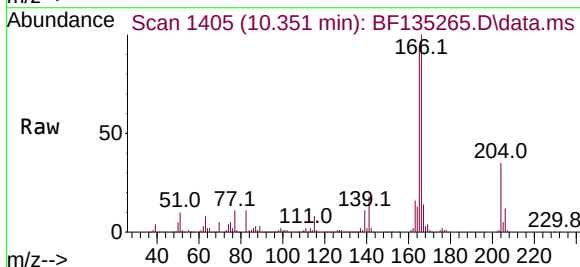
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

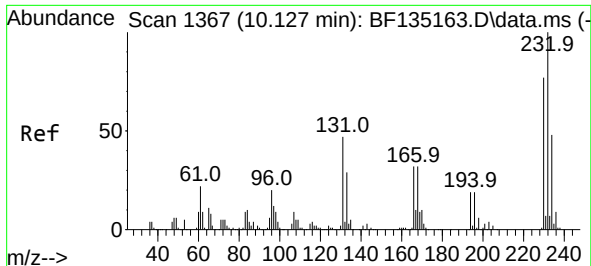
Tgt Ion:165 Resp: 160572
Ion Ratio Lower Upper
165 100
63 68.0 50.1 75.1
89 79.3 59.3 88.9
182 2.4 2.3 3.5



#58
Fluorene
Concen: 38.053 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:166 Resp: 546482
Ion Ratio Lower Upper
166 100
165 93.8 74.3 111.5
167 13.9 10.9 16.3

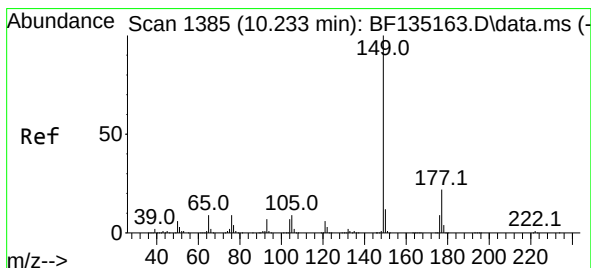
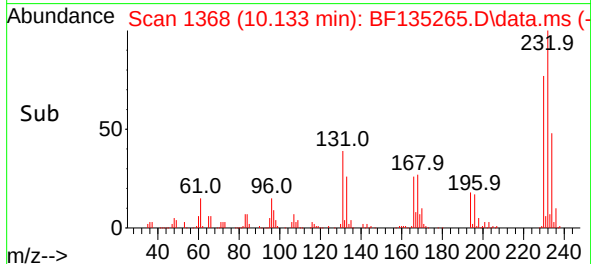
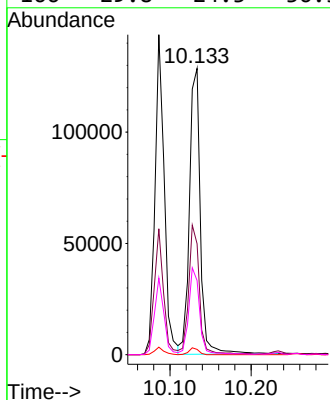
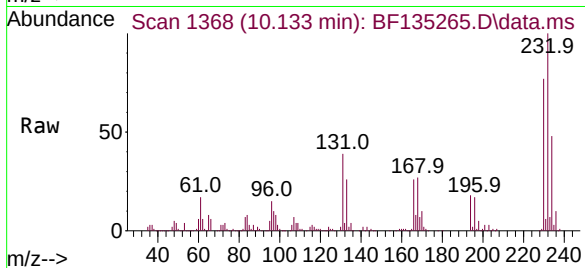




#59
2,3,4,6-Tetrachlorophenol
Concen: 31.998 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

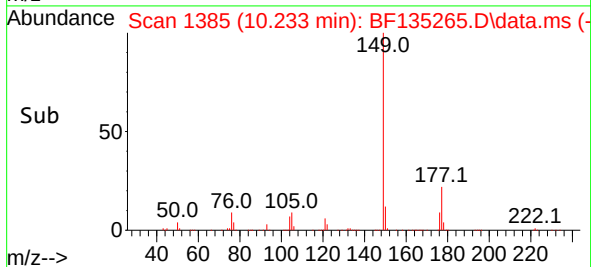
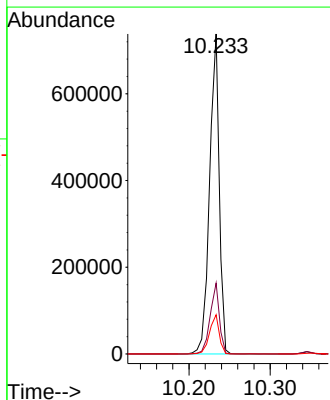
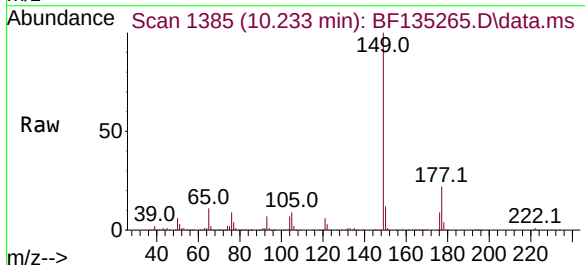
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

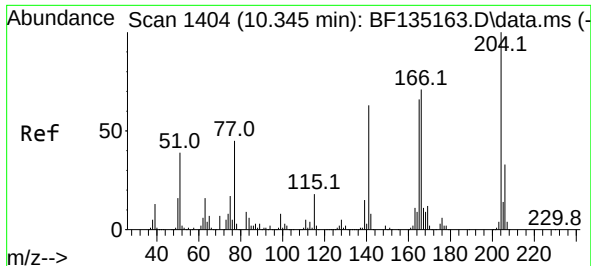
Tgt Ion:232 Resp: 120240
Ion Ratio Lower Upper
232 100
131 43.2 35.4 53.2
130 2.1 1.8 2.8
166 29.8 24.3 36.5



#60
Diethylphthalate
Concen: 39.968 ng
RT: 10.233 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:149 Resp: 606464
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.2 10.0 15.0

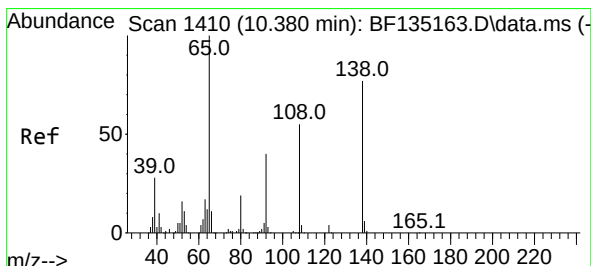
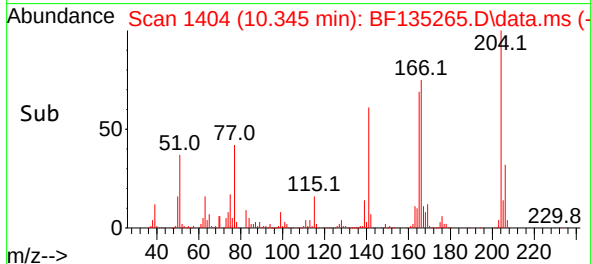
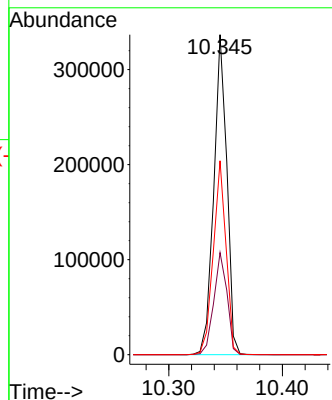
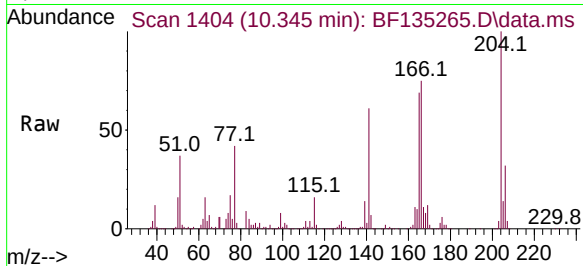




#61
4-Chlorophenyl-phenylether
Concen: 38.878 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

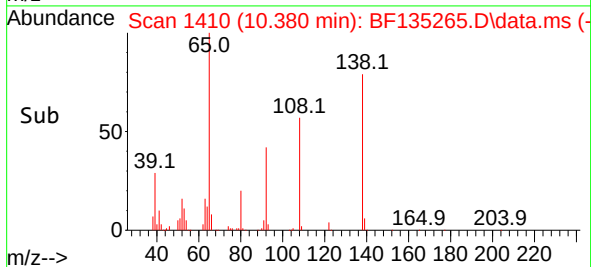
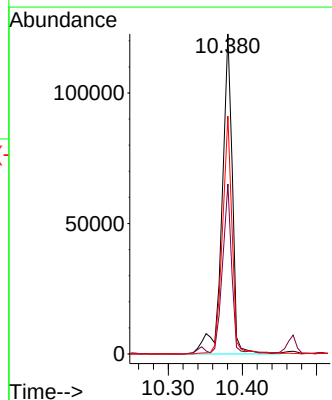
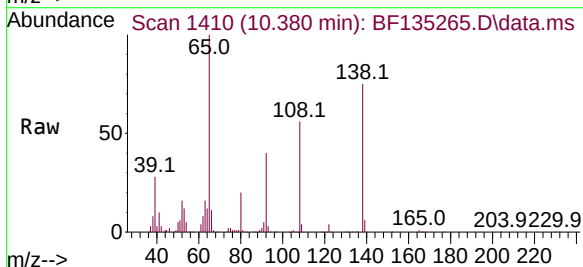
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

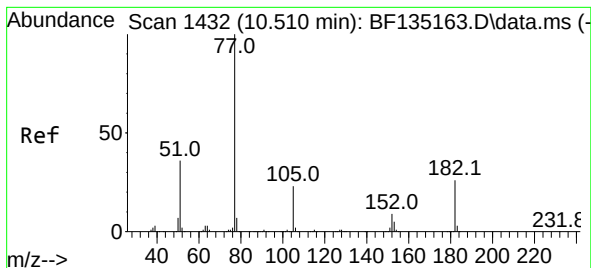
Tgt Ion:204 Resp: 268201
Ion Ratio Lower Upper
204 100
206 31.9 26.7 40.1
141 60.6 50.6 75.8



#62
4-Nitroaniline
Concen: 31.790 ng
RT: 10.380 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:138 Resp: 118806
Ion Ratio Lower Upper
138 100
92 53.1 31.8 71.8
108 74.3 52.0 92.0





#63

Azobenzene

Concen: 37.292 ng

RT: 10.510 min Scan# 1432

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

Tgt Ion: 77 Resp: 553794

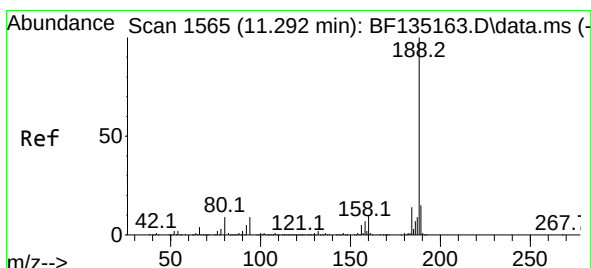
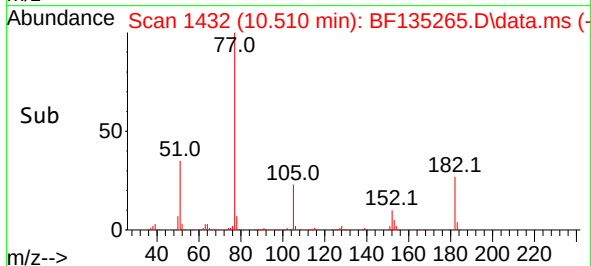
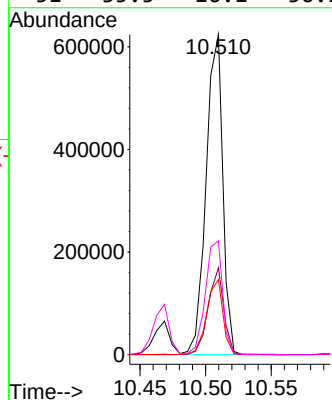
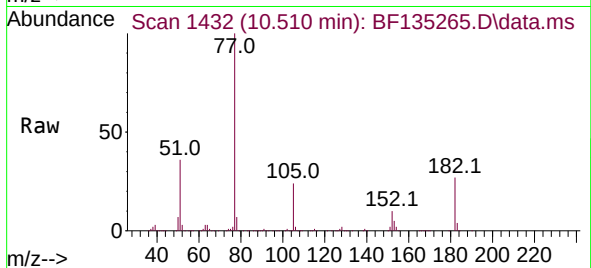
Ion Ratio Lower Upper

77 100

182 27.2 6.4 46.4

105 23.5 3.1 43.1

51 35.5 16.1 56.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

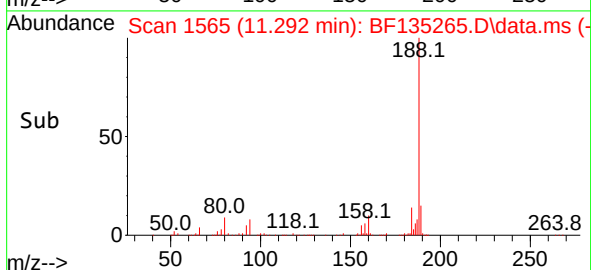
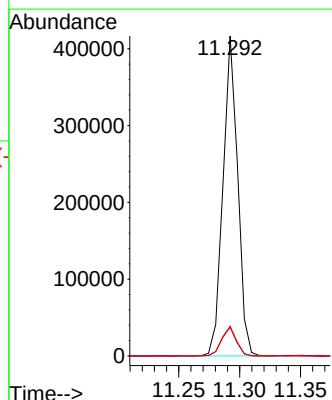
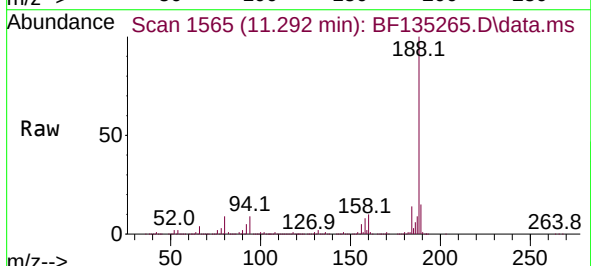
Tgt Ion: 188 Resp: 350826

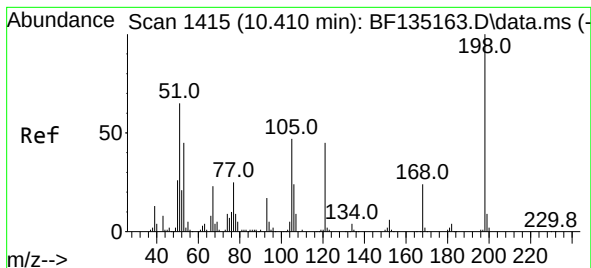
Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 9.3 7.5 11.3

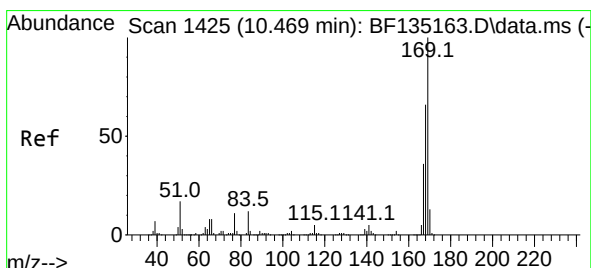
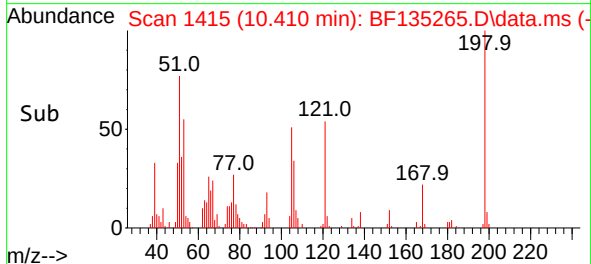
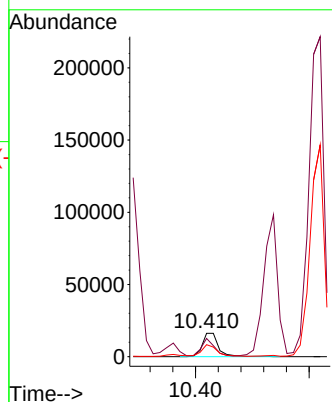
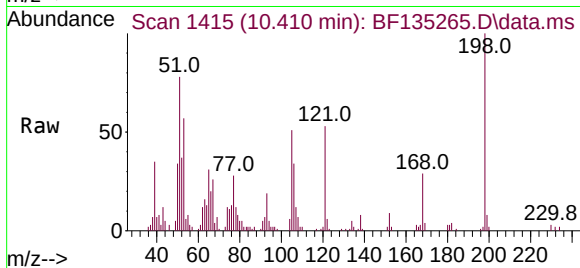




#65
4,6-Dinitro-2-methylphenol
Concen: 8.524 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

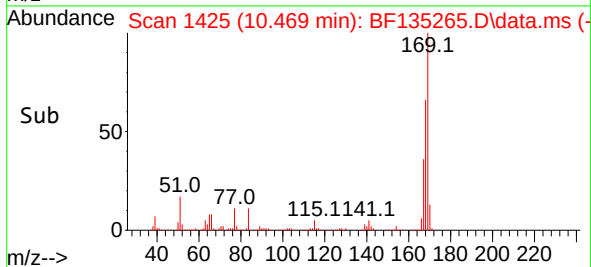
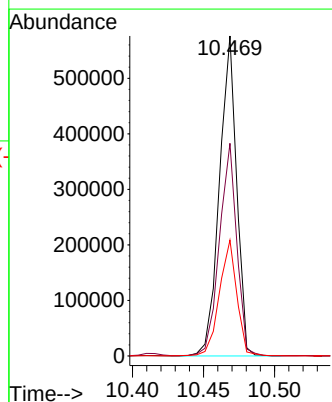
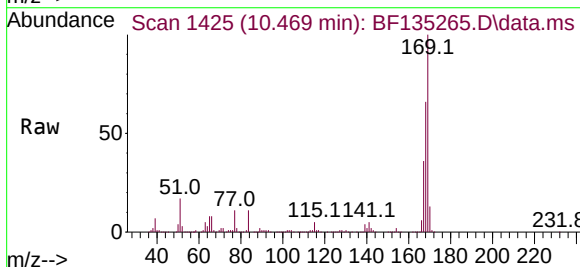
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

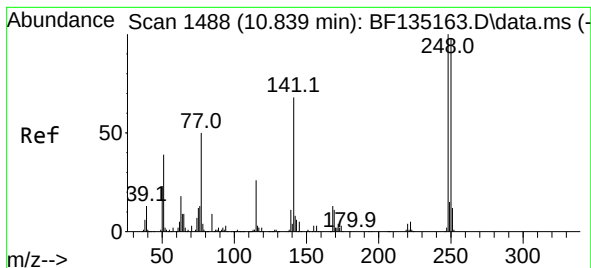
Tgt Ion:198 Resp: 15884
Ion Ratio Lower Upper
198 100
51 77.7 47.7 87.7
105 51.1 27.4 67.4



#66
n-Nitrosodiphenylamine
Concen: 45.650 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:169 Resp: 484850
Ion Ratio Lower Upper
169 100
168 66.4 52.8 79.2
167 36.2 29.0 43.6

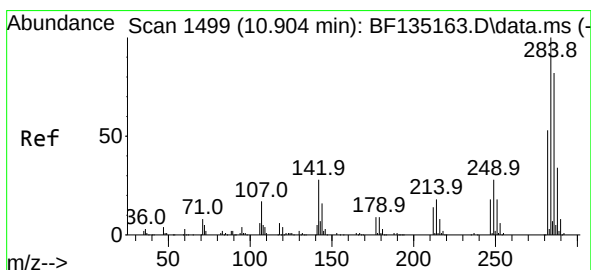
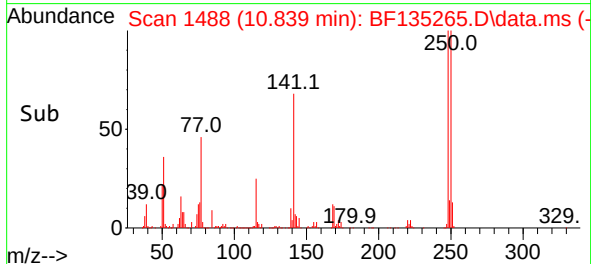
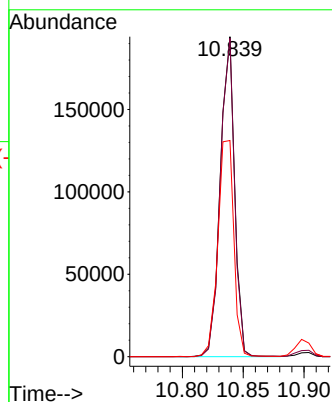
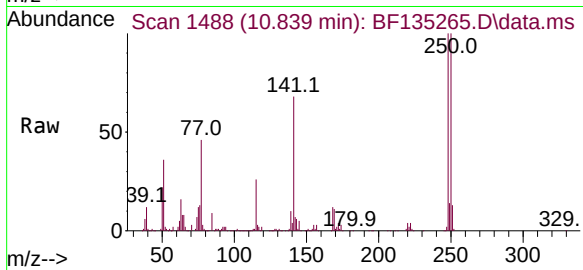




#67
4-Bromophenyl-phenylether
Concen: 45.838 ng
RT: 10.839 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

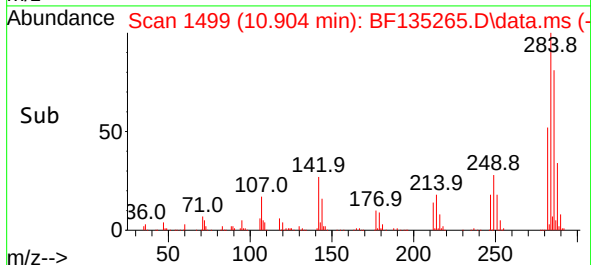
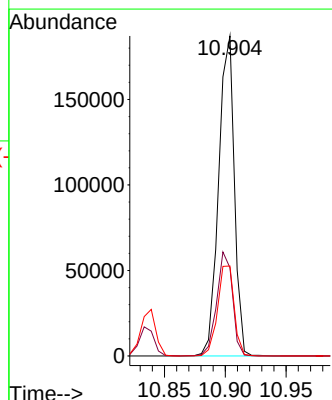
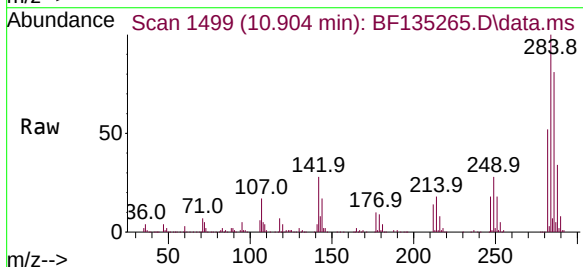
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

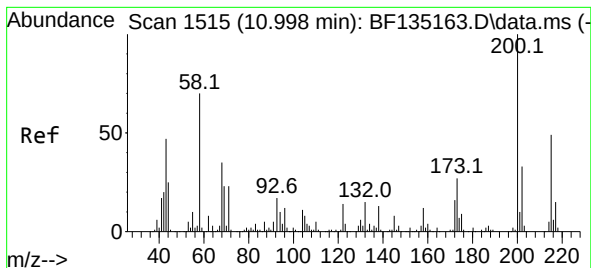
Tgt Ion:248 Resp: 159938
Ion Ratio Lower Upper
248 100
250 99.5 78.6 117.8
141 67.6 54.2 81.2



#68
Hexachlorobenzene
Concen: 47.429 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:284 Resp: 168595
Ion Ratio Lower Upper
284 100
142 27.6 22.2 33.4
249 28.1 22.5 33.7





#69

Atrazine

Concen: 49.959 ng

RT: 11.004 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

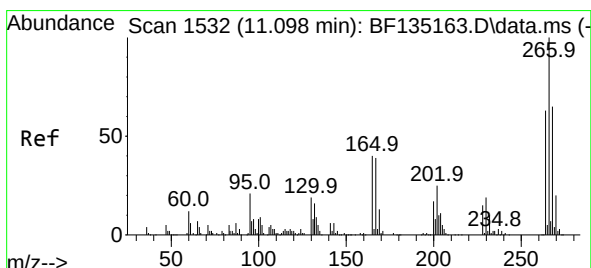
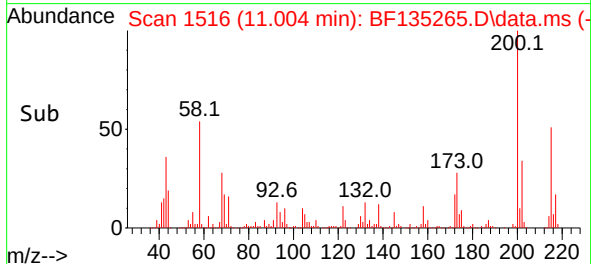
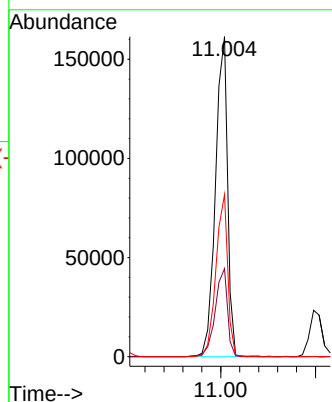
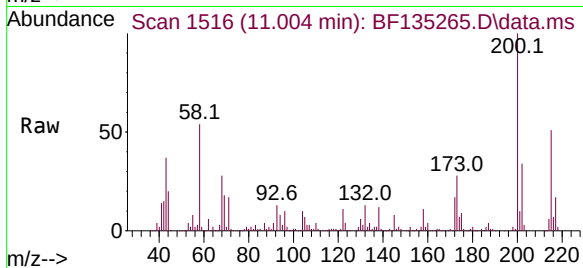
Tgt Ion:200 Resp: 142774

Ion Ratio Lower Upper

200 100

173 27.5 7.4 47.4

215 50.6 28.6 68.6



#70

Pentachlorophenol

Concen: 61.171 ng

RT: 11.104 min Scan# 1533

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

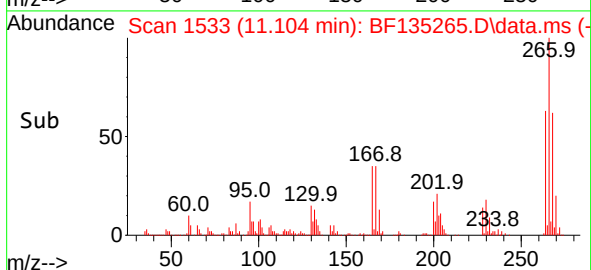
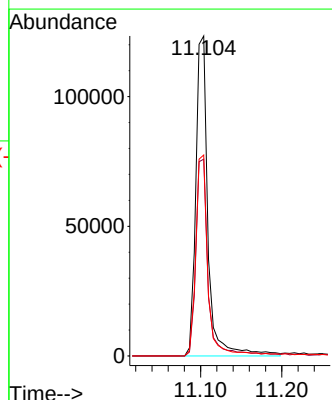
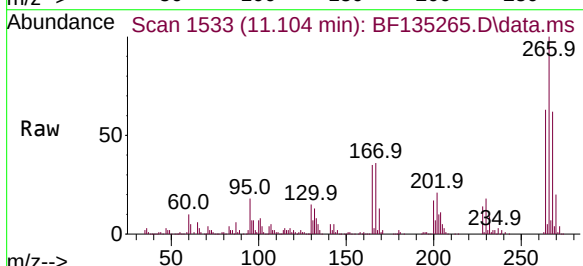
Tgt Ion:266 Resp: 130097

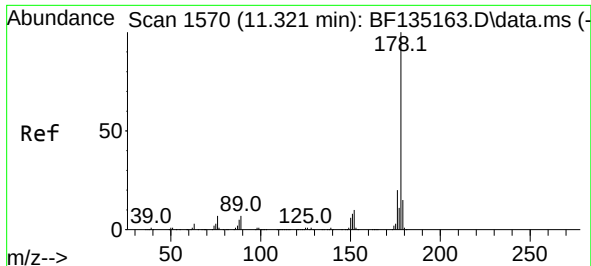
Ion Ratio Lower Upper

266 100

268 61.5 52.1 78.1

264 62.8 50.8 76.2

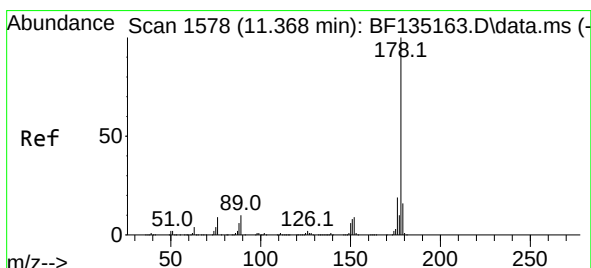
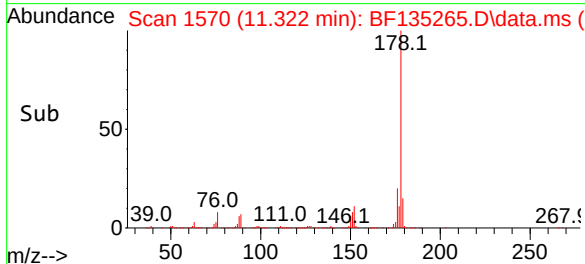
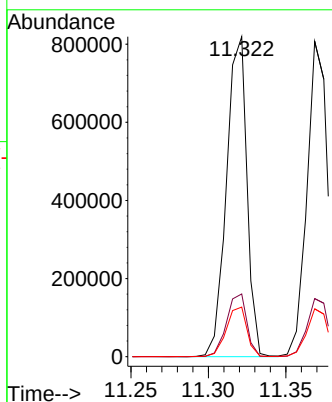
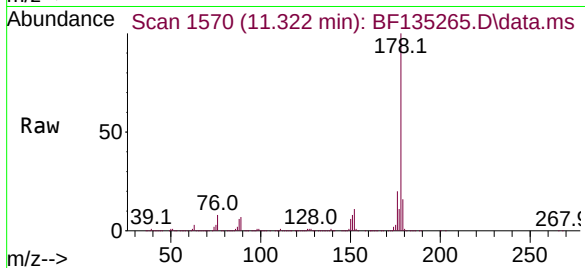




#71
Phenanthrene
Concen: 45.372 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

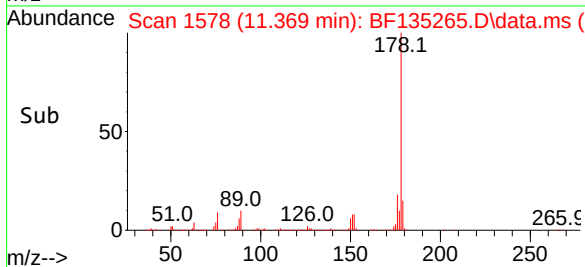
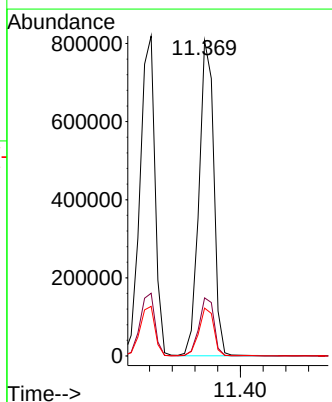
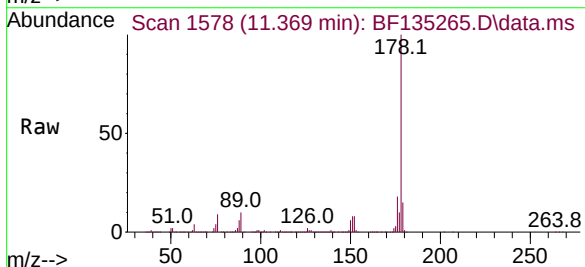
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

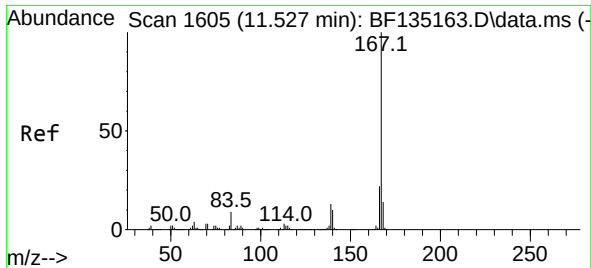
Tgt Ion:178 Resp: 752831
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.5 12.0 18.0



#72
Anthracene
Concen: 42.853 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:178 Resp: 730875
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.2 12.6 19.0

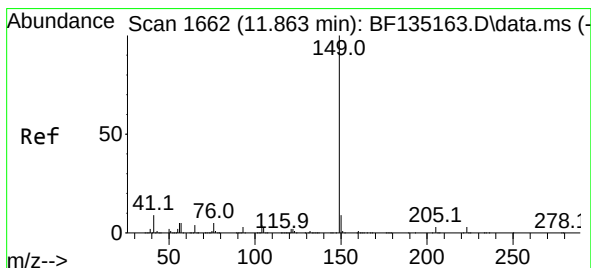
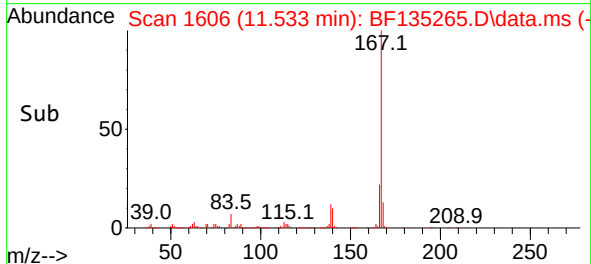
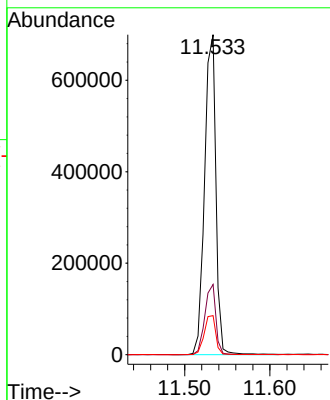
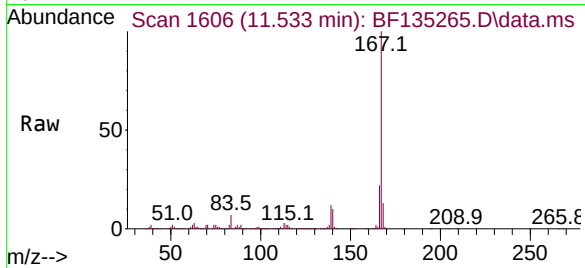




#73
Carbazole
Concen: 41.457 ng
RT: 11.533 min Scan# 1606
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

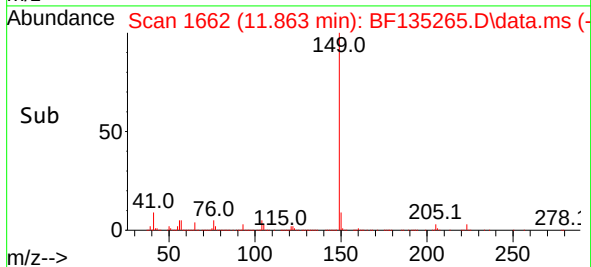
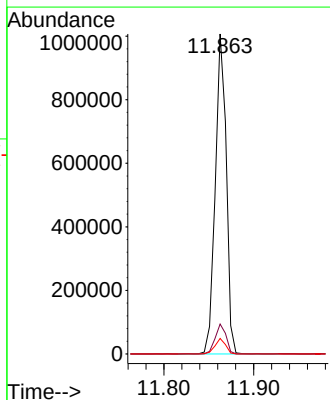
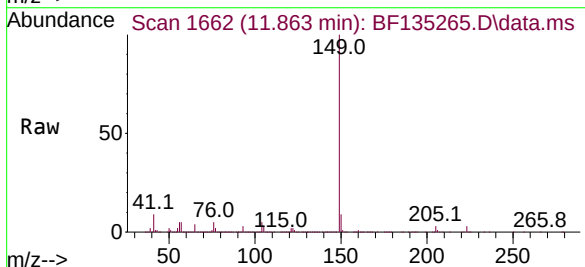
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

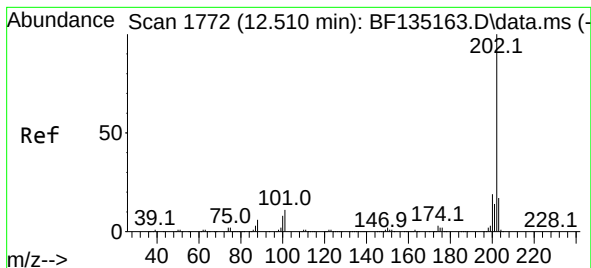
Tgt Ion:167 Resp: 643654
Ion Ratio Lower Upper
167 100
166 21.9 17.4 26.0
139 12.2 10.6 15.8



#74
Di-n-butylphthalate
Concen: 46.555 ng
RT: 11.863 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

Tgt Ion:149 Resp: 851722
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 4.9 3.6 5.4





#75

Fluoranthene

Concen: 47.206 ng

RT: 12.516 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

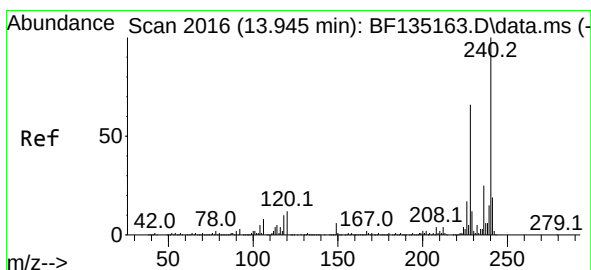
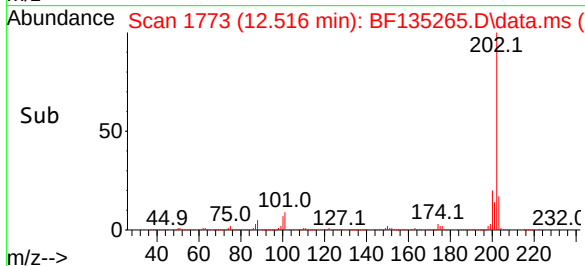
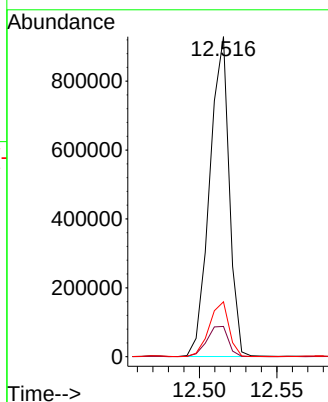
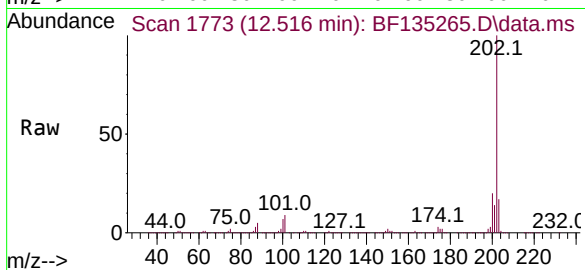
Tgt Ion:202 Resp: 816162

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.3

203 17.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

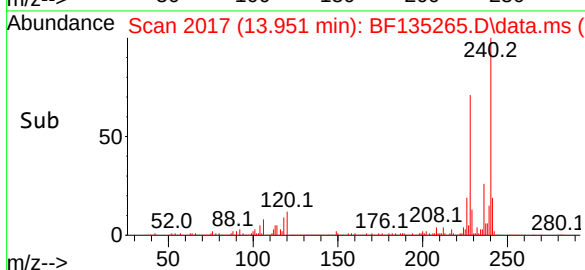
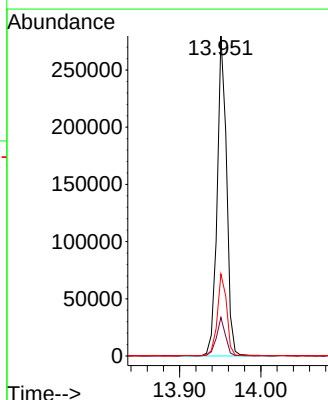
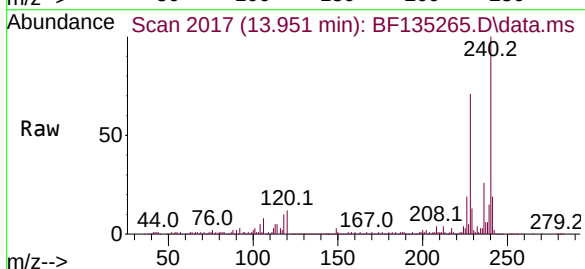
Tgt Ion:240 Resp: 226683

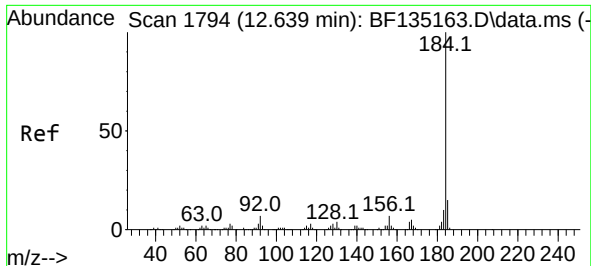
Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

236 25.6 19.8 29.8

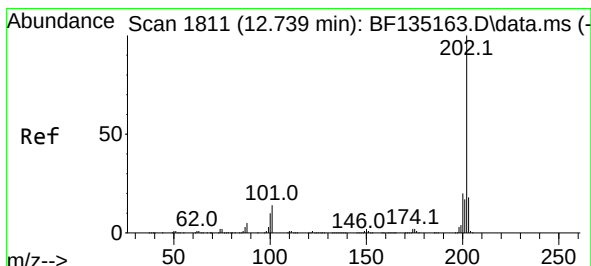
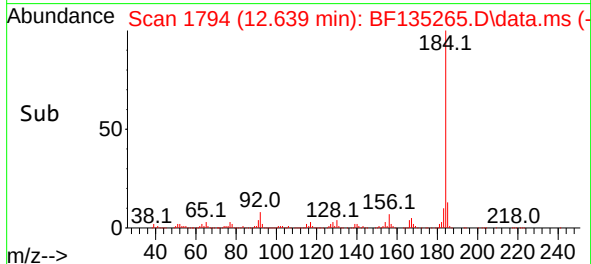
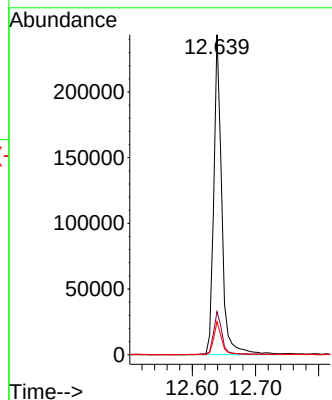
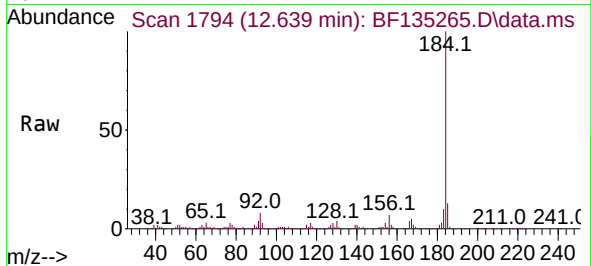




#77
Benzidine
Concen: 46.331 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

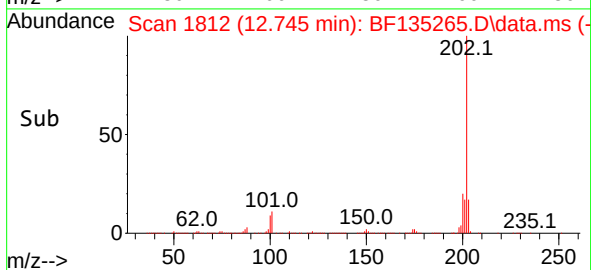
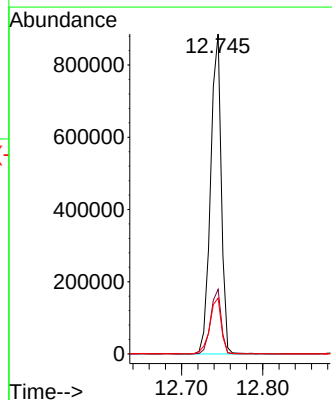
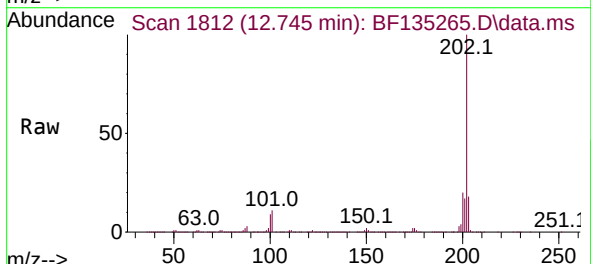
Instrument :
BNA_F
ClientSampleId :
72-11930MSD

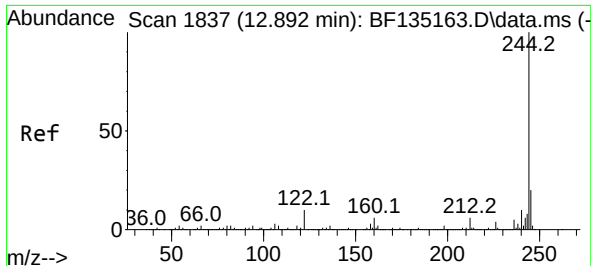
Tgt Ion:184 Resp: 215164
Ion Ratio Lower Upper
184 100
185 13.4 11.7 17.5
183 10.3 8.2 12.4



#78
Pyrene
Concen: 37.352 ng
RT: 12.745 min Scan# 1812
Delta R.T. 0.006 min
Lab File: BF135265.D
Acq: 14 Sep 2023 21:09

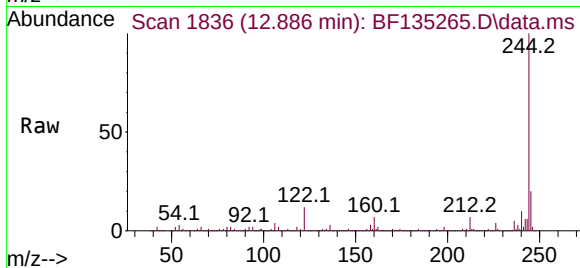
Tgt Ion:202 Resp: 806136
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 17.5 14.2 21.4



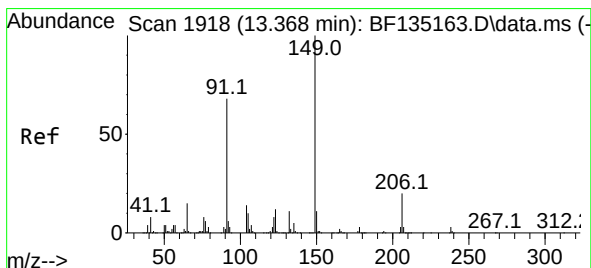
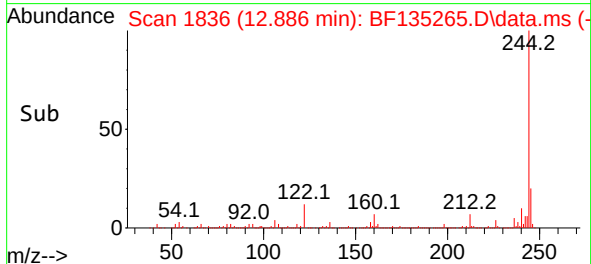
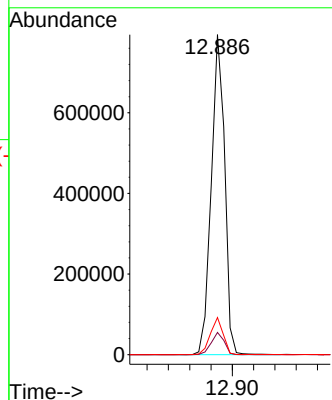


#79
 Terphenyl-d14
 Concen: 47.345 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF135265.D
 Acq: 14 Sep 2023 21:09

Instrument :
 BNA_F
 ClientSampleId :
 72-11930MSD

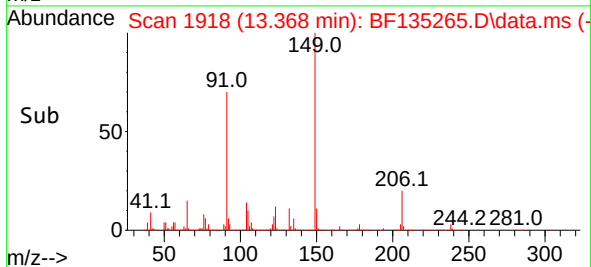
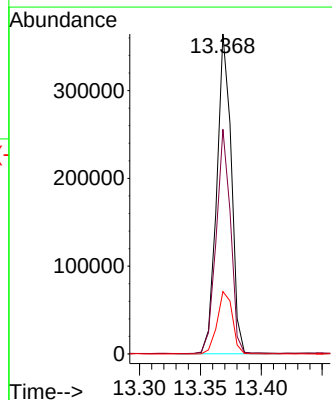
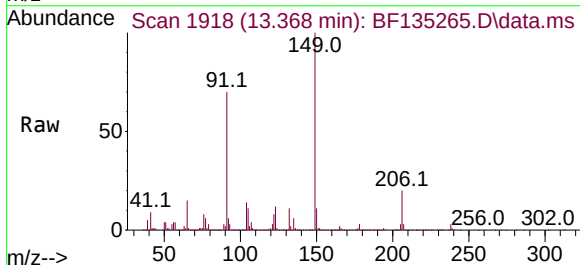


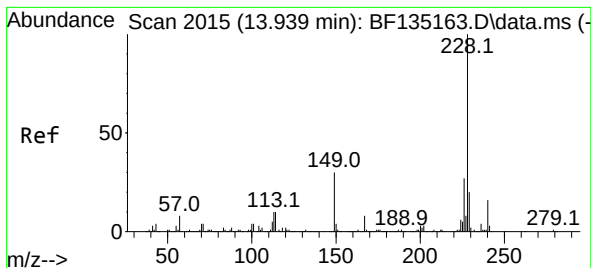
Tgt Ion:244 Resp: 692323
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 11.6 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 39.868 ng
 RT: 13.368 min Scan# 1918
 Delta R.T. 0.000 min
 Lab File: BF135265.D
 Acq: 14 Sep 2023 21:09

Tgt Ion:149 Resp: 302942
 Ion Ratio Lower Upper
 149 100
 91 70.2 54.7 82.1
 206 19.5 16.3 24.5





#81

Benzo(a)anthracene

Concen: 43.826 ng

RT: 13.945 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

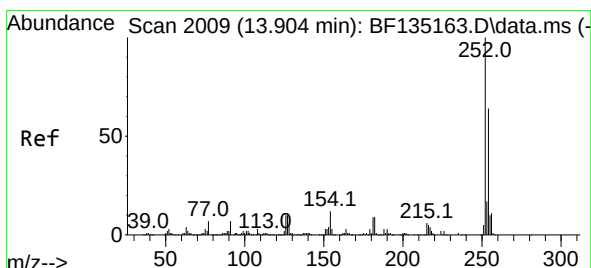
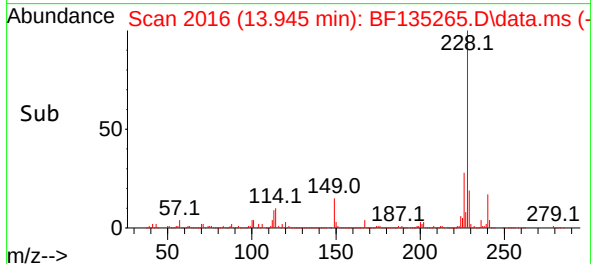
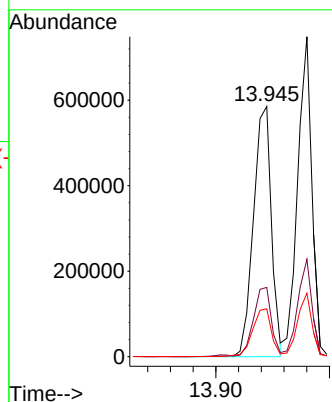
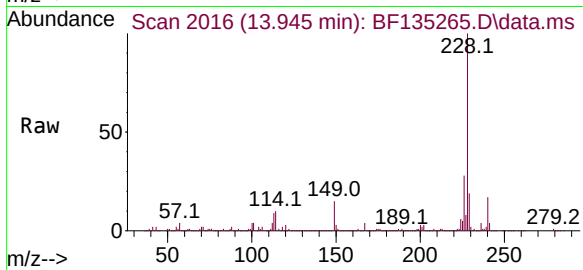
Tgt Ion:228 Resp: 641510

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

229 19.1 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 43.603 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

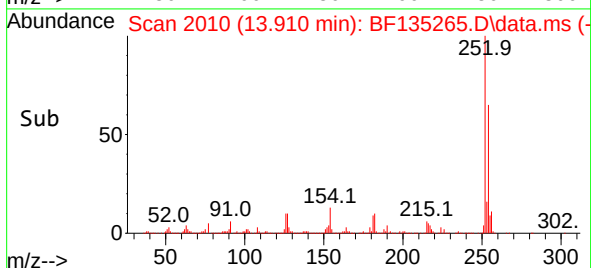
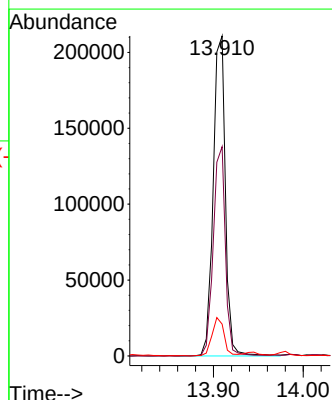
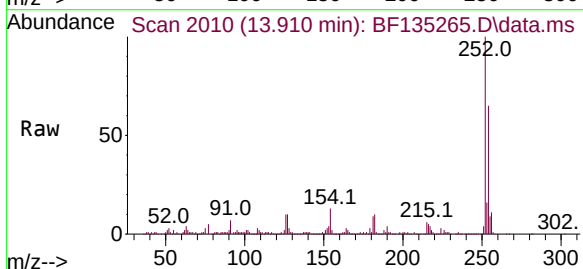
Tgt Ion:252 Resp: 199357

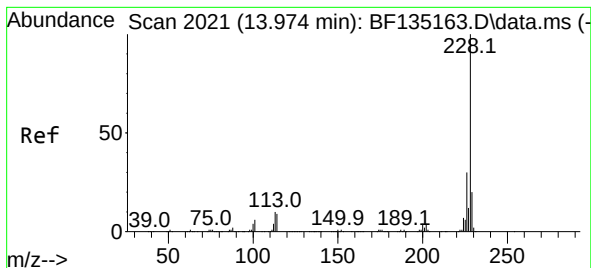
Ion Ratio Lower Upper

252 100

254 65.4 51.0 76.4

126 10.0 7.8 11.8





#83

Chrysene

Concen: 44.801 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

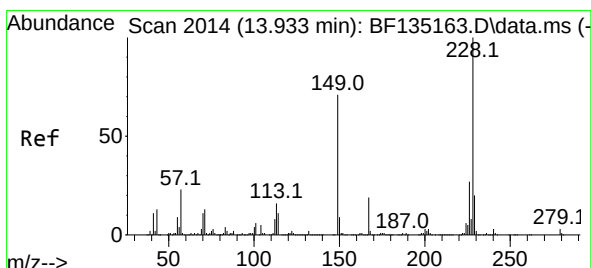
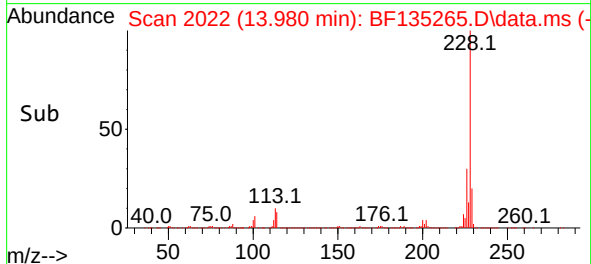
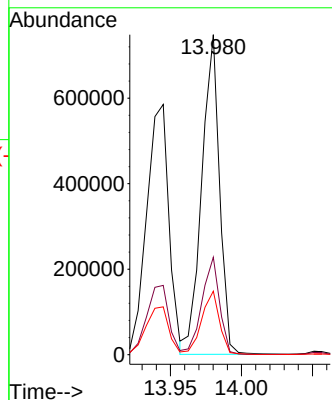
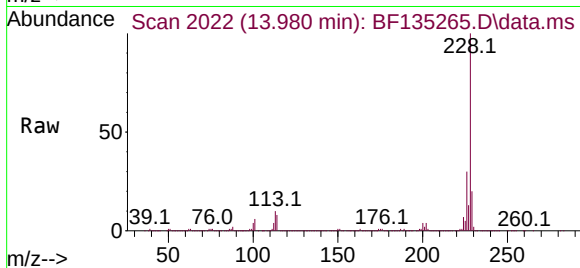
Tgt Ion:228 Resp: 651987

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 19.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 60.699 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

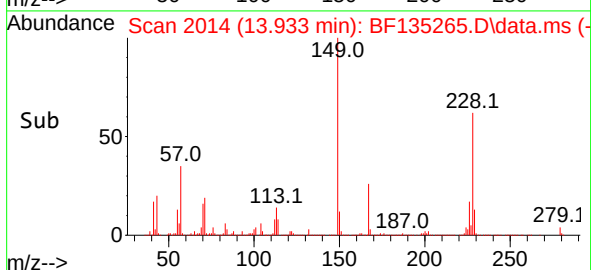
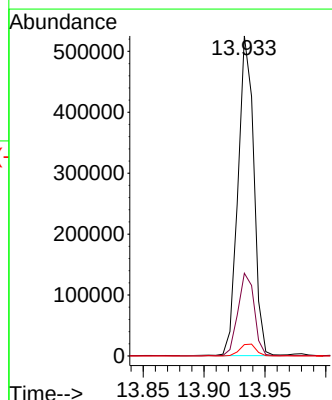
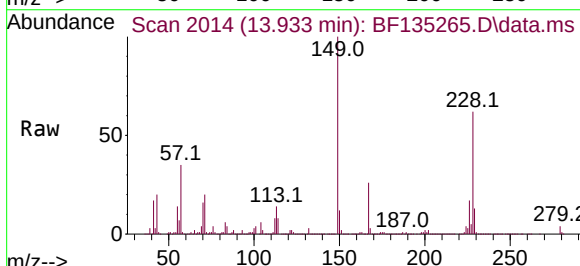
Tgt Ion:149 Resp: 473302

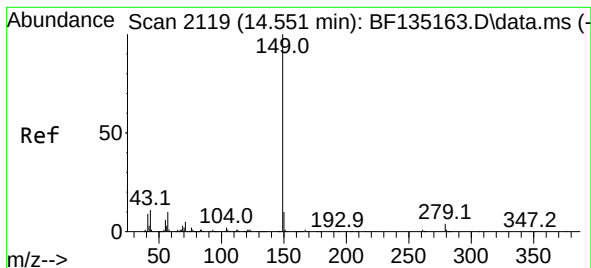
Ion Ratio Lower Upper

149 100

167 25.9 21.9 32.9

279 3.5 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 64.072 ng

RT: 14.551 min Scan# 2119

Delta R.T. 0.000 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

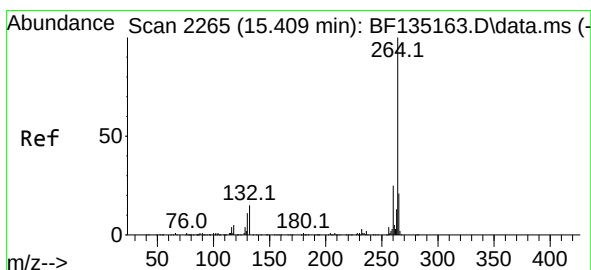
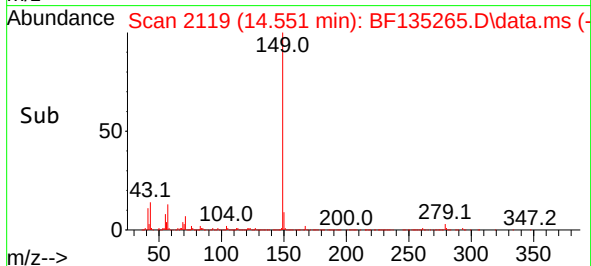
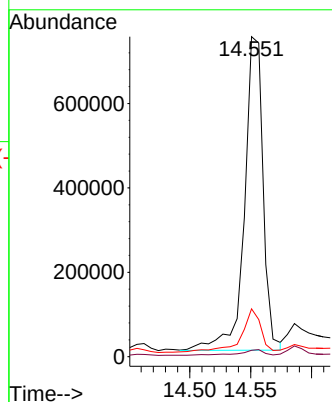
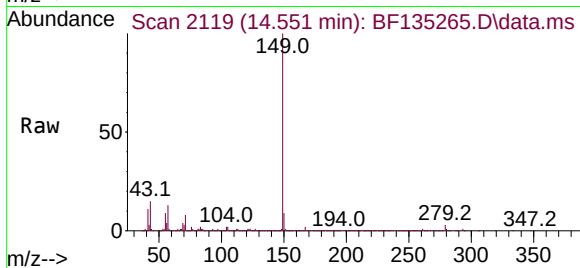
Tgt Ion:149 Resp: 793962

Ion Ratio Lower Upper

149 100

167 2.3 1.1 1.7#

43 15.3 9.8 14.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

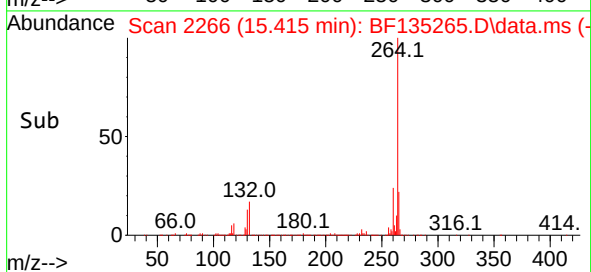
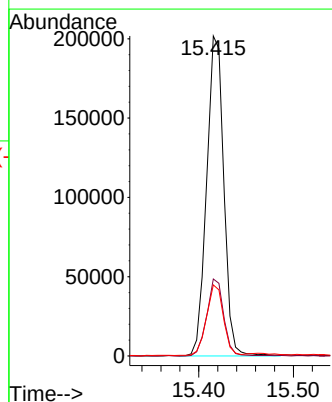
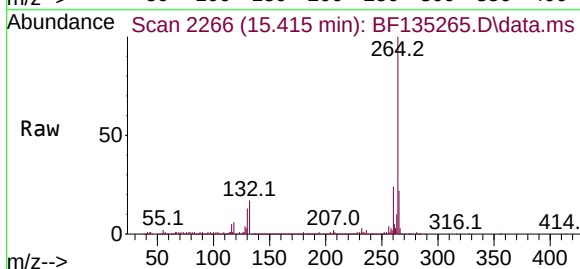
Tgt Ion:264 Resp: 253905

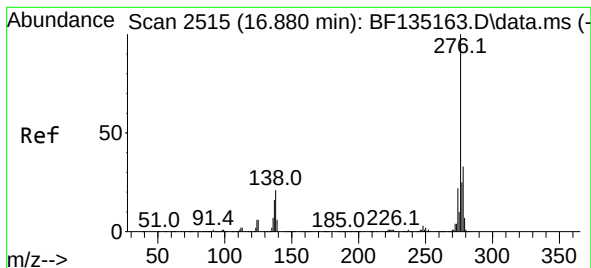
Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 22.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.574 ng

RT: 16.898 min Scan# 2119

Delta R.T. 0.018 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

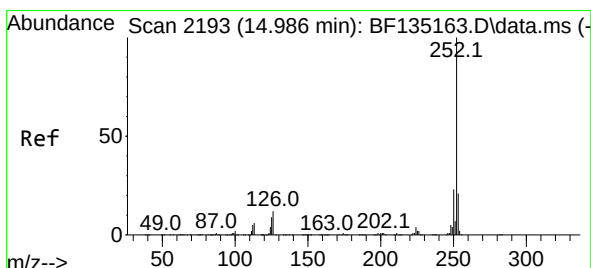
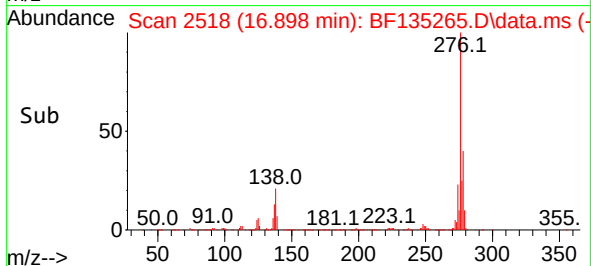
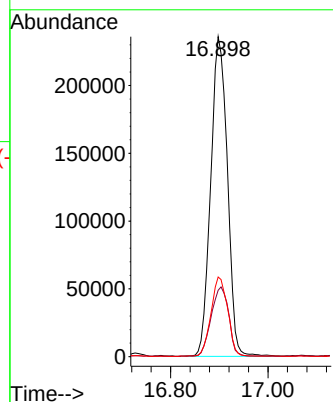
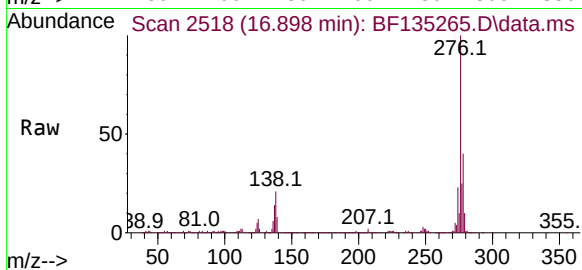
Tgt Ion:276 Resp: 558922

Ion Ratio Lower Upper

276 100

138 22.9 19.2 28.8

277 24.9 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 51.271 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

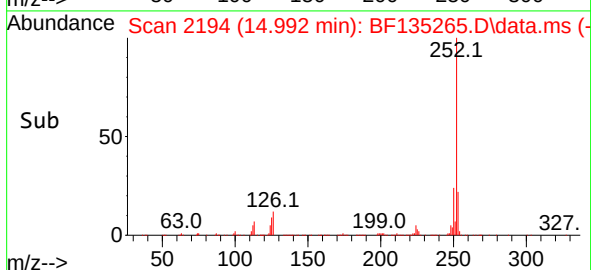
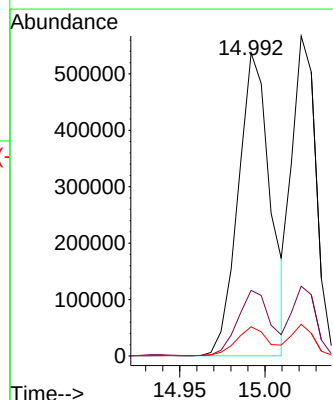
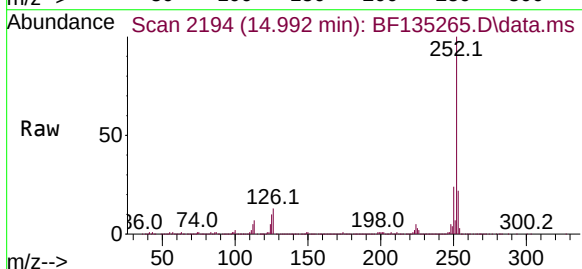
Tgt Ion:252 Resp: 704716

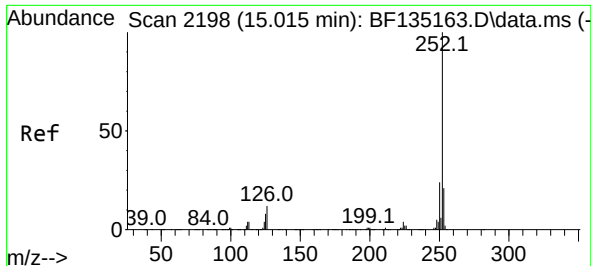
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.6 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 40.864 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

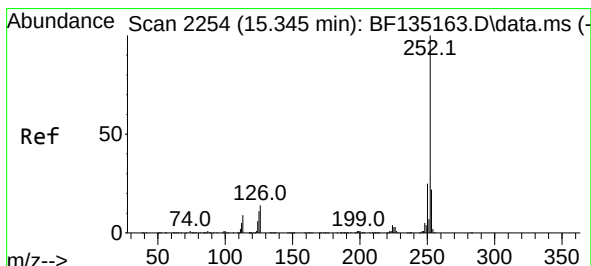
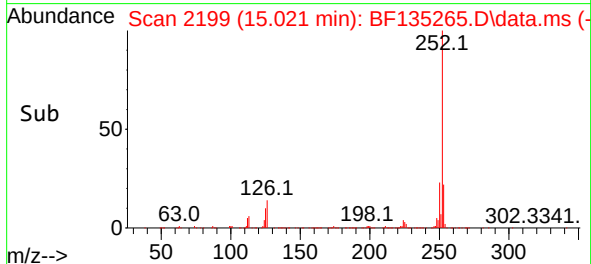
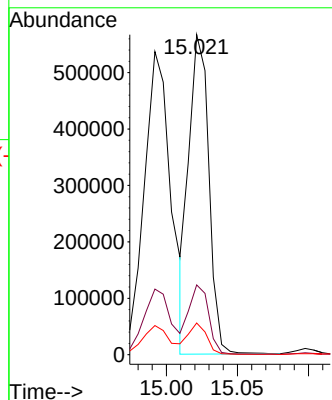
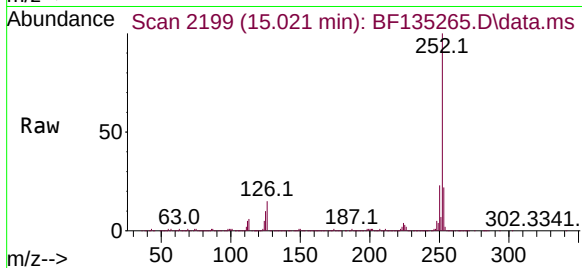
Tgt Ion:252 Resp: 554833

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.9 7.2 10.8



#90

Benzo(a)pyrene

Concen: 42.505 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.012 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

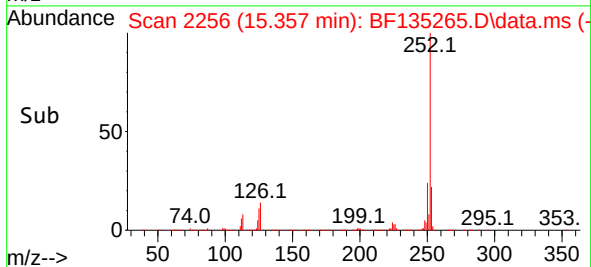
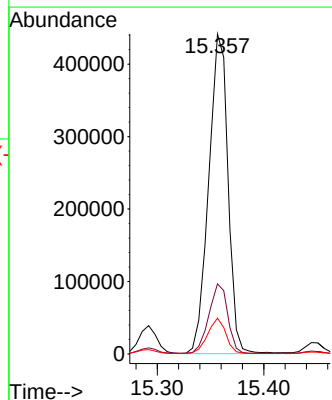
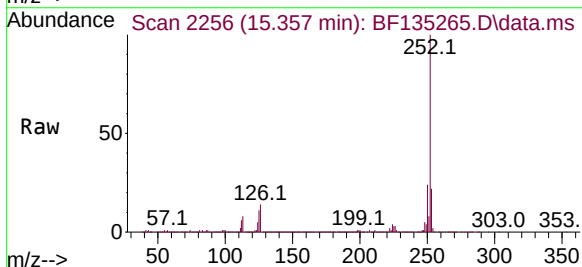
Tgt Ion:252 Resp: 557131

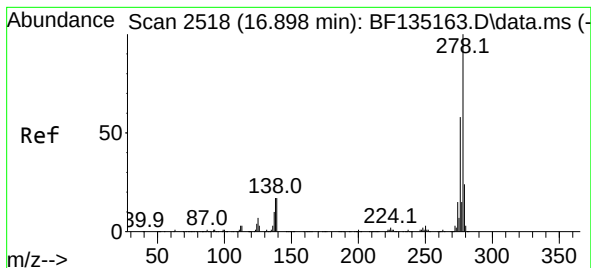
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.2 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 32.380 ng

RT: 16.915 min Scan# 2521

Delta R.T. 0.018 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Instrument :

BNA_F

ClientSampleId :

72-11930MSD

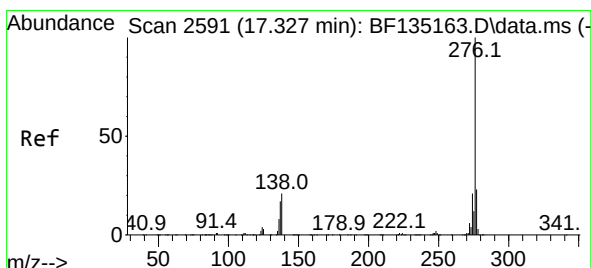
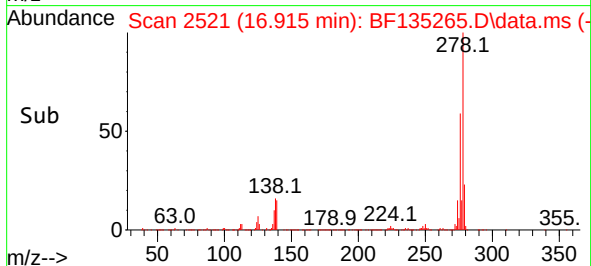
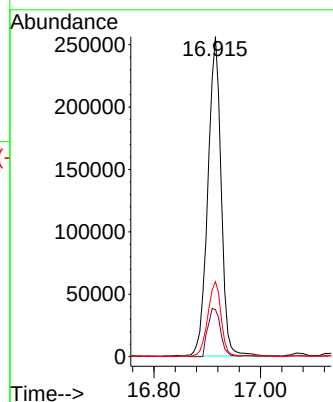
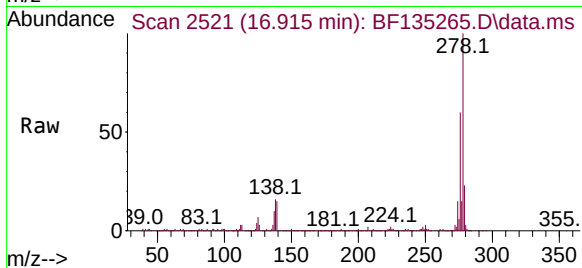
Tgt Ion:278 Resp: 441055

Ion Ratio Lower Upper

278 100

139 14.7 13.4 20.0

279 23.5 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 30.622 ng

RT: 17.345 min Scan# 2594

Delta R.T. 0.018 min

Lab File: BF135265.D

Acq: 14 Sep 2023 21:09

Tgt Ion:276 Resp: 435628

Ion Ratio Lower Upper

276 100

277 22.8 18.8 28.2

138 20.0 16.9 25.3

