

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135963.D
 Acq On : 26 Oct 2023 15:02
 Operator : CG\JU
 Sample : 05015-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Quant Time: Oct 26 15:24:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	179909	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	715698	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	369029	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	667502	20.000	ng	0.00
76) Chrysene-d12	14.010	240	326160	20.000	ng	0.00
86) Perylene-d12	15.492	264	402866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	961959	82.565	ng	0.00
7) Phenol-d6	6.457	99	1221824	84.235	ng	0.00
23) Nitrobenzene-d5	7.387	82	692528	65.079	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	337908	104.612	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1321374	57.336	ng	0.00
79) Terphenyl-d14	12.951	244	1360264	69.680	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	211586	39.095	ng	99
3) Pyridine	3.428	79	505109	33.813	ng	100
4) n-Nitrosodimethylamine	3.399	42	259589	39.854	ng	98
6) Aniline	6.487	93	460034	23.554	ng	100
8) 2-Chlorophenol	6.610	128	560109	46.438	ng	96
9) Benzaldehyde	6.375	77	159902	20.379	ng	99
10) Phenol	6.469	94	679048	44.781	ng	98
11) bis(2-Chloroethyl)ether	6.563	93	514725	43.609	ng	95
12) 1,3-Dichlorobenzene	6.763	146	559927	43.706	ng	99
13) 1,4-Dichlorobenzene	6.845	146	567483	44.105	ng	98
14) 1,2-Dichlorobenzene	6.992	146	539283	45.135	ng	98
15) Benzyl Alcohol	6.969	79	437545	42.672	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.104	45	755698	43.475	ng	98
17) 2-Methylphenol	7.075	107	428130	40.274	ng	99
18) Hexachloroethane	7.334	117	205000	46.856	ng	99
19) n-Nitroso-di-n-propyla...	7.245	70	357751	43.373	ng	95
20) 3+4-Methylphenols	7.234	107	521036	40.611	ng	# 76
22) Acetophenone	7.234	105	712105	44.053	ng	100
24) Nitrobenzene	7.410	77	534005	45.213	ng	96
25) Isophorone	7.645	82	1012871	44.773	ng	99
26) 2-Nitrophenol	7.722	139	255242	56.598	ng	98
27) 2,4-Dimethylphenol	7.763	122	433953	42.088	ng	98
28) bis(2-Chloroethoxy)met...	7.863	93	625451	45.022	ng	98
29) 2,4-Dichlorophenol	7.963	162	447275	48.444	ng	97
30) 1,2,4-Trichlorobenzene	8.045	180	479655	45.884	ng	99
31) Naphthalene	8.128	128	1513703	43.746	ng	100
32) Benzoic acid	7.881	122	312562	56.743	ng	92
33) 4-Chloroaniline	8.175	127	146177	9.558	ng	97
34) Hexachlorobutadiene	8.245	225	269248	45.696	ng	99
35) Caprolactam	8.557	113	110697	36.029	ng	96
36) 4-Chloro-3-methylphenol	8.657	107	473731	48.282	ng	98
37) 2-Methylnaphthalene	8.822	142	973829	42.536	ng	100
38) 1-Methylnaphthalene	8.922	142	953618	44.578	ng	98
40) 1,2,4,5-Tetrachloroben...	8.986	216	460917	44.222	ng	99
41) Hexachlorocyclopentadiene	8.975	237	490817	95.502	ng	98
43) 2,4,6-Trichlorophenol	9.098	196	311554	51.071	ng	98

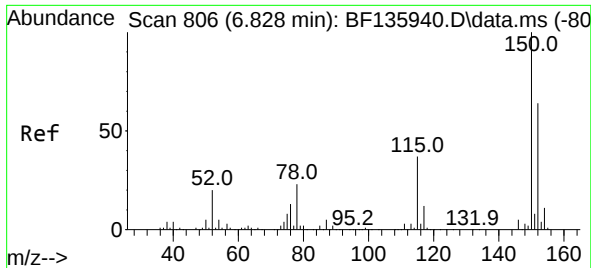
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	336371	46.440	ng	95
46) 1,1'-Biphenyl	9.286	154	1248781	44.659	ng	100
47) 2-Chloronaphthalene	9.310	162	938887	45.395	ng	98
48) 2-Nitroaniline	9.404	65	287568	50.346	ng	98
49) Acenaphthylene	9.728	152	1497828	45.904	ng	99
50) Dimethylphthalate	9.592	163	1089945	45.545	ng	100
51) 2,6-Dinitrotoluene	9.651	165	243134	48.904	ng	88
52) Acenaphthene	9.898	154	1013647	48.474	ng	99
53) 3-Nitroaniline	9.816	138	153311	27.932	ng	# 94
54) 2,4-Dinitrophenol	9.922	184	160780	82.817	ng	96
55) Dibenzofuran	10.075	168	1355409	44.867	ng	99
56) 4-Nitrophenol	9.980	139	422137	86.865	ng	98
57) 2,4-Dinitrotoluene	10.057	165	318171	51.346	ng	96
58) Fluorene	10.416	166	1030913	45.614	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	281783	51.700	ng	99
60) Diethylphthalate	10.298	149	1043677	45.734	ng	98
61) 4-Chlorophenyl-phenyle...	10.410	204	479659	43.997	ng	99
62) 4-Nitroaniline	10.439	138	249425	42.971	ng	92
63) Azobenzene	10.575	77	1033124	44.610	ng	94
65) 4,6-Dinitro-2-methylph...	10.457	198	118185	52.303	ng	92
66) n-Nitrosodiphenylamine	10.533	169	921924	45.718	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	318735	46.626	ng	93
68) Hexachlorobenzene	10.963	284	360799	49.408	ng	92
69) Atrazine	11.063	200	314115	57.141	ng	98
70) Pentachlorophenol	11.157	266	381745	82.322	ng	99
71) Phenanthrene	11.380	178	1654151	48.982	ng	99
72) Anthracene	11.433	178	1550749	44.847	ng	98
73) Carbazole	11.586	167	1360049	44.092	ng	98
74) Di-n-butylphthalate	11.927	149	1578393	48.087	ng	100
75) Fluoranthene	12.574	202	1635916	46.045	ng	98
77) Benzidine	12.698	184	474753	75.488	ng	99
78) Pyrene	12.804	202	1589857	58.054	ng	99
80) Butylbenzylphthalate	13.439	149	514935	49.613	ng	98
81) Benzo(a)anthracene	13.998	228	1092139	49.246	ng	99
82) 3,3'-Dichlorobenzidine	13.963	252	186689	27.670	ng	99
83) Chrysene	14.033	228	1022971	47.361	ng	100
84) Bis(2-ethylhexyl)phtha...	14.004	149	575854	51.136	ng	100
85) Di-n-octyl phthalate	14.621	149	996944	56.198	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	1212792	53.090	ng	99
88) Benzo(b)fluoranthene	15.057	252	1166913	48.671	ng	99
89) Benzo(k)fluoranthene	15.086	252	925377	39.299	ng	99
90) Benzo(a)pyrene	15.427	252	981091	44.400	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	973464	49.820	ng	100
92) Benzo(g,h,i)perylene	17.462	276	932255	42.435	ng	99

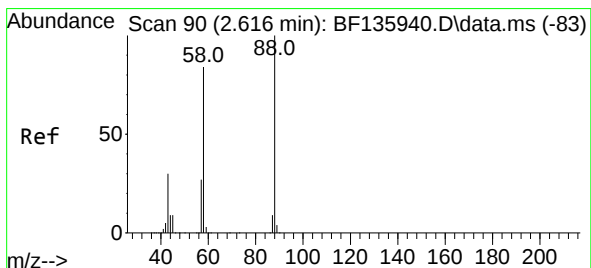
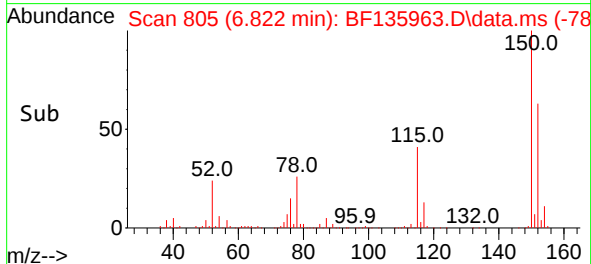
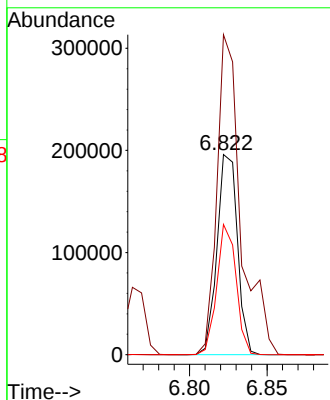
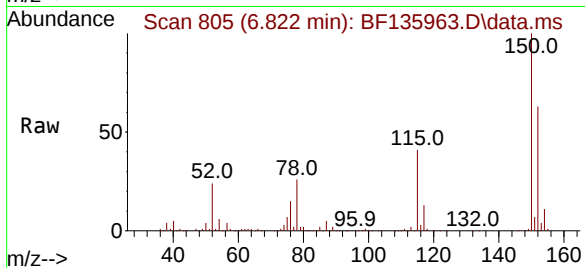
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF135963.D
 Acq: 26 Oct 2023 15:02

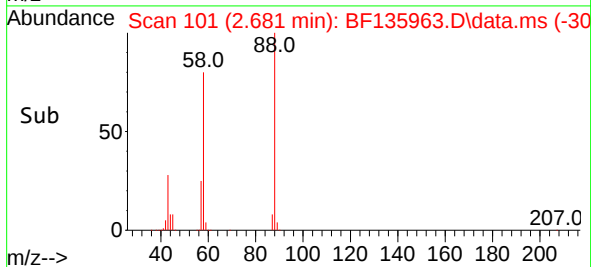
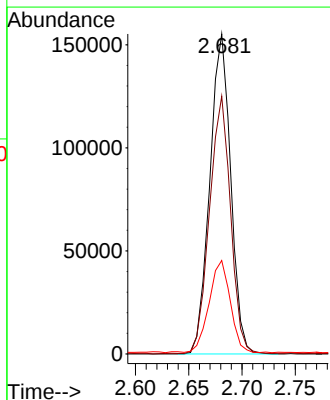
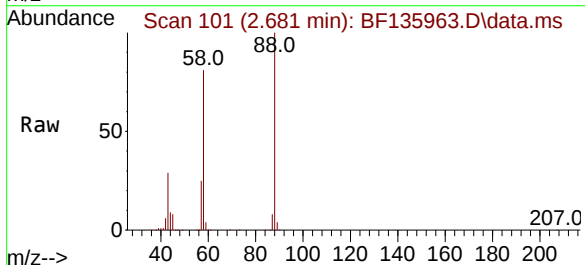
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

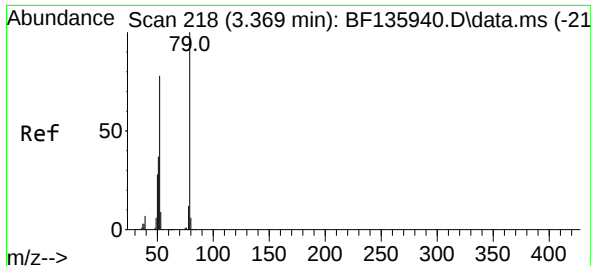
Tgt Ion:152 Resp: 179909
 Ion Ratio Lower Upper
 152 100
 150 159.8 124.6 186.8
 115 65.0 46.6 69.8



#2
 1,4-Dioxane
 Concen: 39.095 ng
 RT: 2.681 min Scan# 101
 Delta R.T. 0.065 min
 Lab File: BF135963.D
 Acq: 26 Oct 2023 15:02

Tgt Ion: 88 Resp: 211586
 Ion Ratio Lower Upper
 88 100
 58 81.7 66.6 100.0
 43 29.5 23.8 35.8

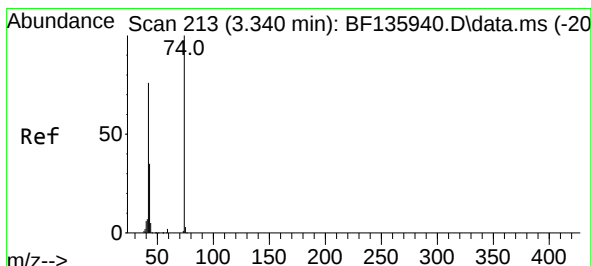
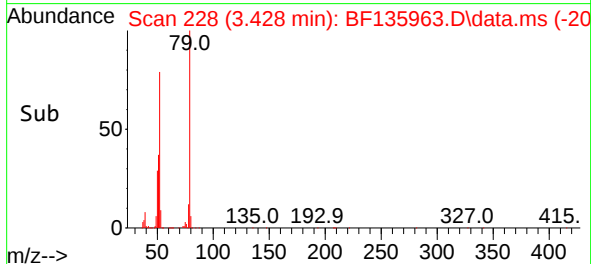
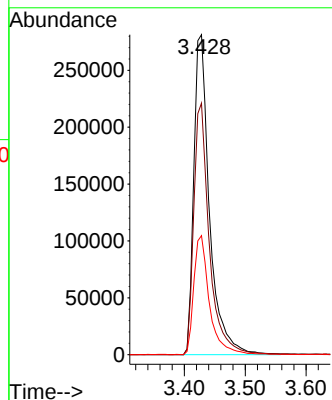
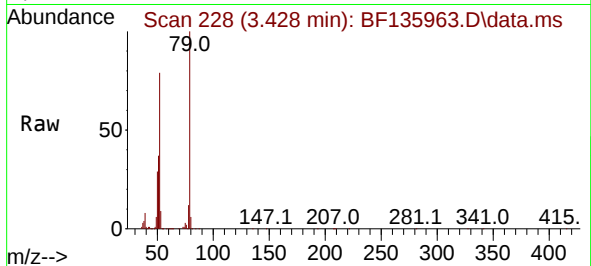




#3
Pyridine
Concen: 33.813 ng
RT: 3.428 min Scan# 218
Delta R.T. 0.059 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

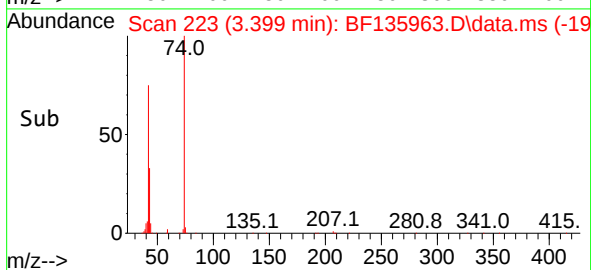
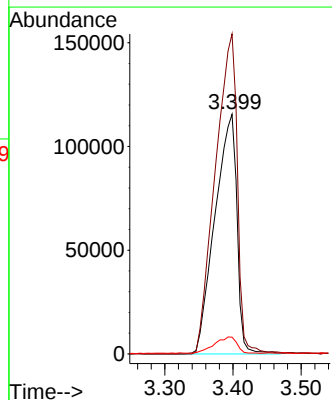
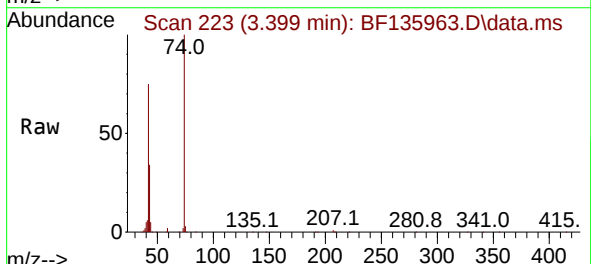
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tgt Ion: 79 Resp: 505109
Ion Ratio Lower Upper
79 100
52 78.6 62.6 93.8
51 37.2 29.8 44.8



#4
n-Nitrosodimethylamine
Concen: 39.854 ng
RT: 3.399 min Scan# 223
Delta R.T. 0.059 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion: 42 Resp: 259589
Ion Ratio Lower Upper
42 100
74 133.5 104.8 157.2
44 7.0 5.9 8.9

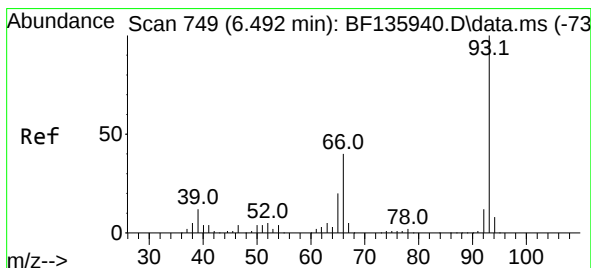
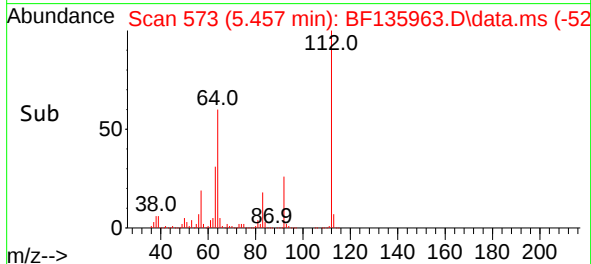
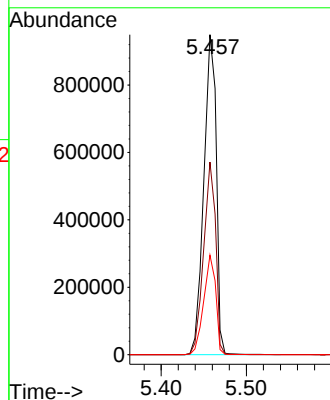
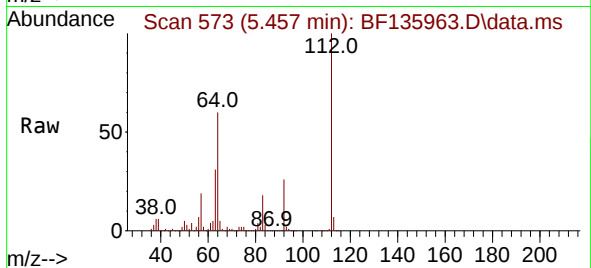




#5
2-Fluorophenol
Concen: 82.565 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

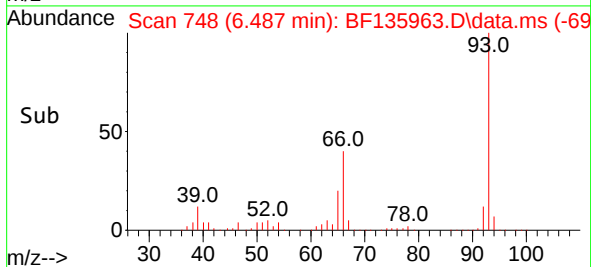
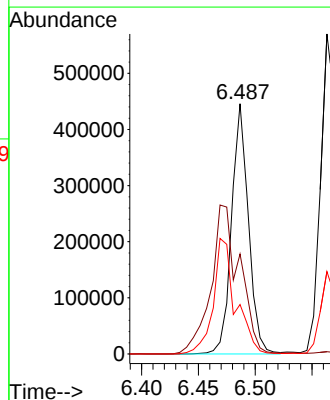
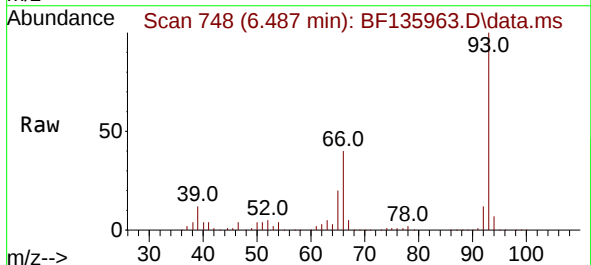
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

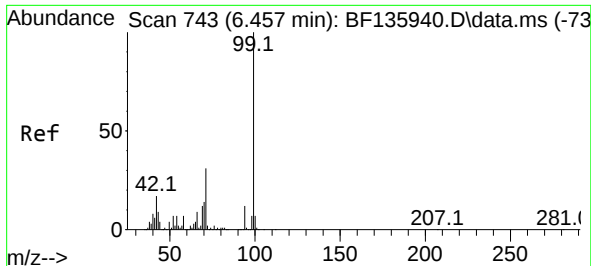
Tgt Ion:112 Resp: 961959
Ion Ratio Lower Upper
112 100
64 60.2 45.1 67.7
63 31.1 23.0 34.4



#6
Aniline
Concen: 23.554 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion: 93 Resp: 460034
Ion Ratio Lower Upper
93 100
66 40.0 32.0 48.0
65 19.7 16.2 24.4



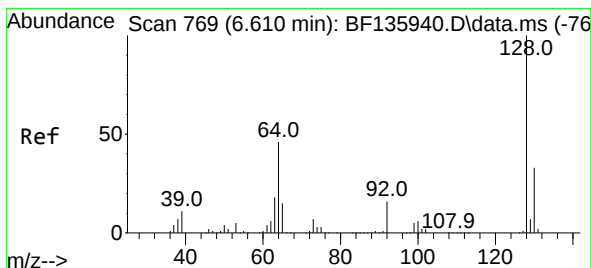
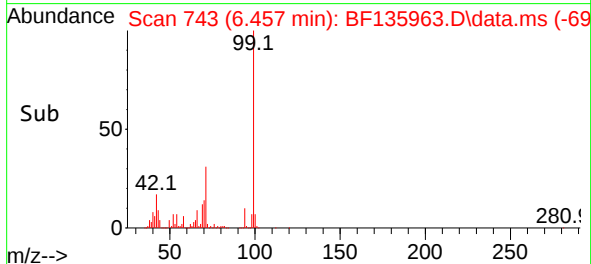
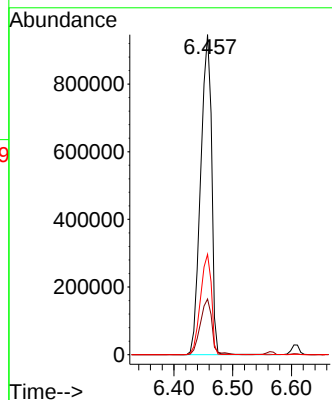
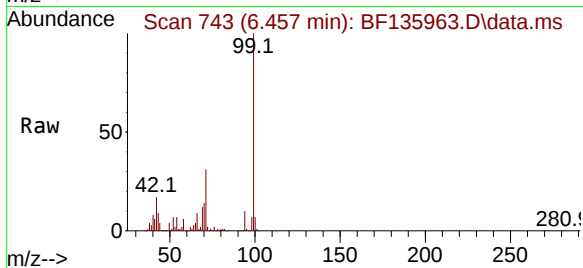


#7
Phenol-d6
Concen: 84.235 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tgt Ion: 99 Resp: 1221824

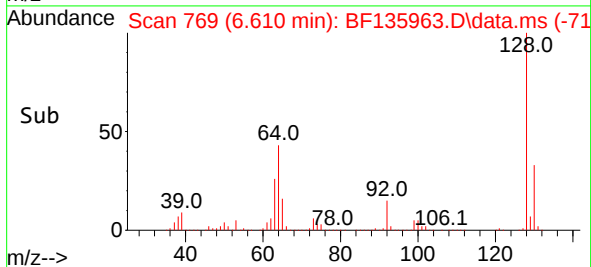
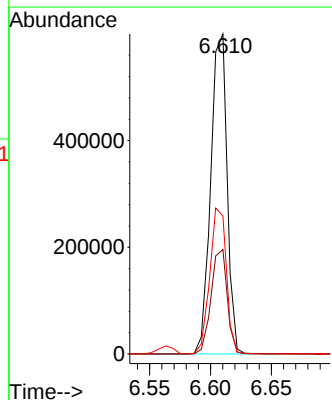
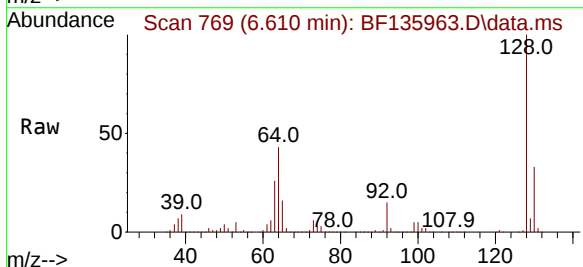
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.8	20.8
71	31.4	25.1	37.7

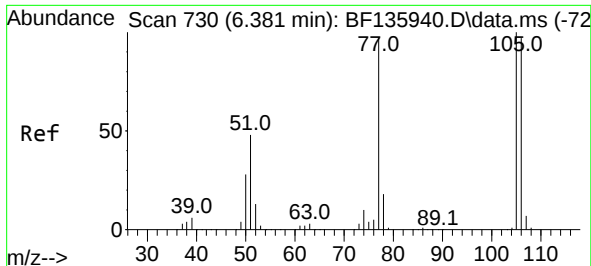


#8
2-Chlorophenol
Concen: 46.438 ng
RT: 6.610 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion: 128 Resp: 560109

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	43.1	27.0	67.0





#9

Benzaldehyde

Concen: 20.379 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

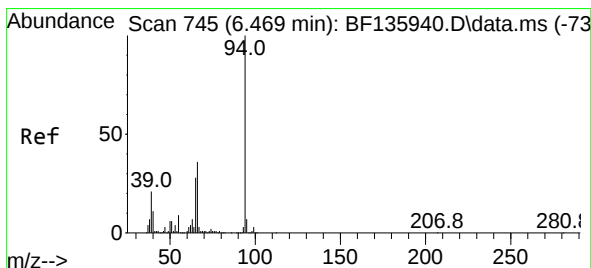
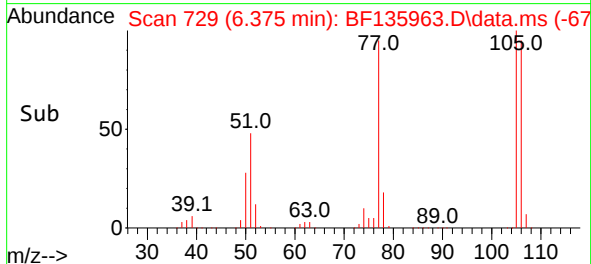
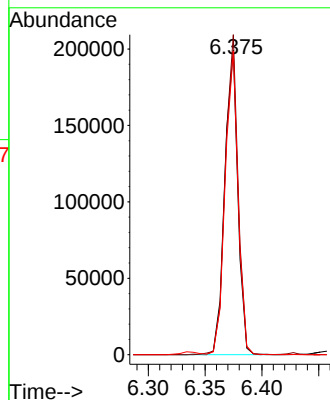
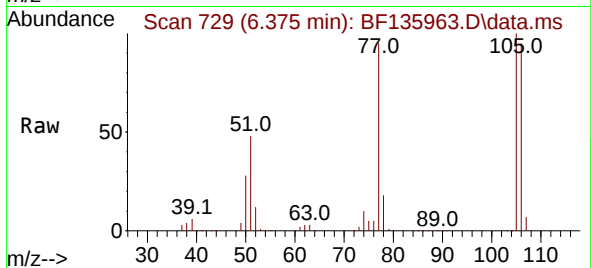
Tgt Ion: 77 Resp: 159902

Ion Ratio Lower Upper

77 100

105 105.1 83.2 123.2

106 99.8 80.0 120.0



#10

Phenol

Concen: 44.781 ng

RT: 6.469 min Scan# 745

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

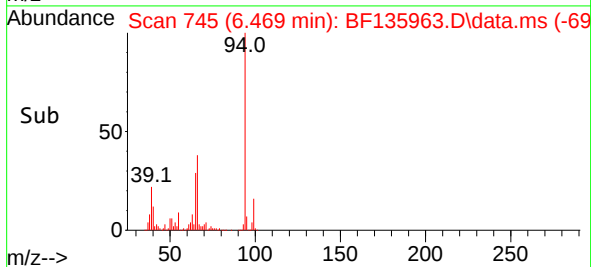
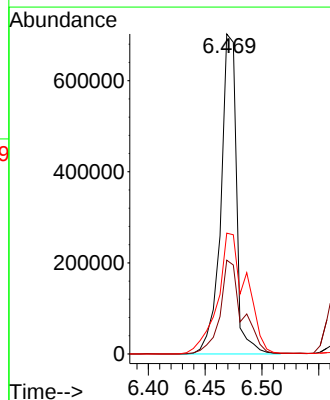
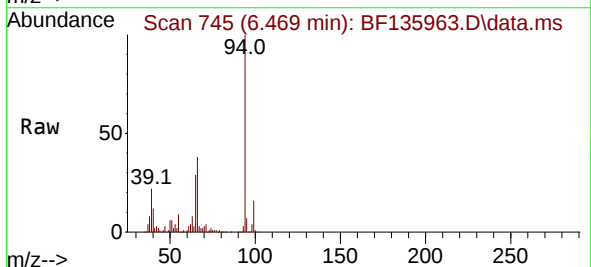
Tgt Ion: 94 Resp: 679048

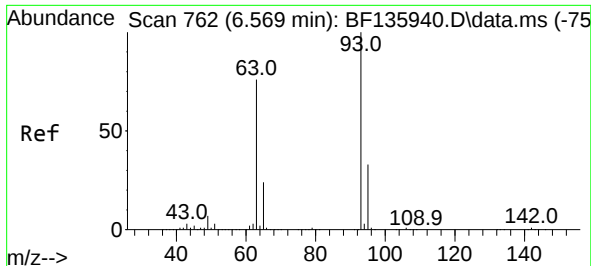
Ion Ratio Lower Upper

94 100

65 29.3 7.8 47.8

66 37.8 16.5 56.5





#11

bis(2-Chloroethyl)ether

Concen: 43.609 ng

RT: 6.563 min Scan# 761

Delta R.T. -0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

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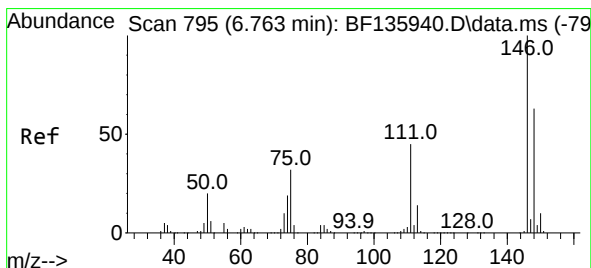
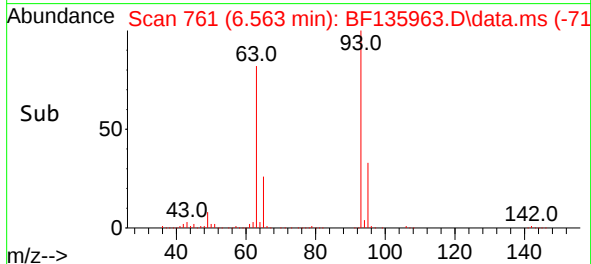
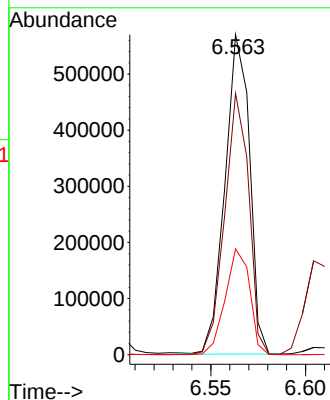
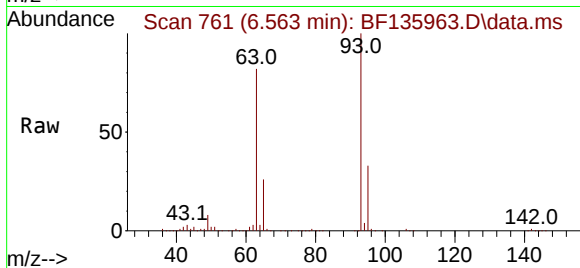
Tgt Ion: 93 Resp: 514725

Ion Ratio Lower Upper

93 100

63 81.7 56.2 96.2

95 33.1 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 43.706 ng

RT: 6.763 min Scan# 795

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

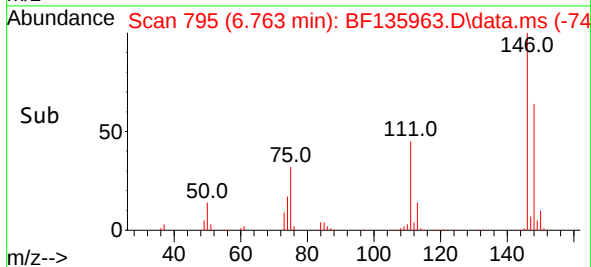
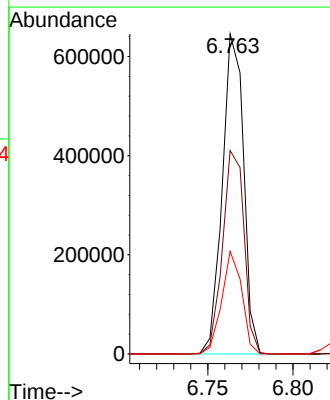
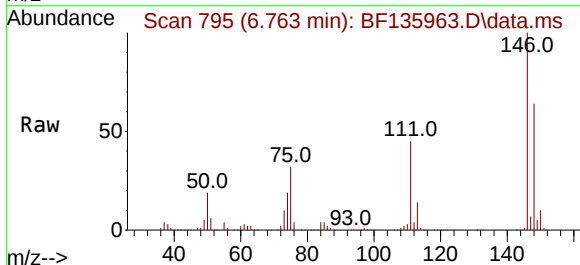
Tgt Ion:146 Resp: 559927

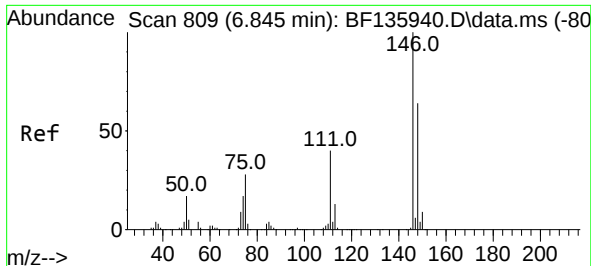
Ion Ratio Lower Upper

146 100

148 63.6 50.2 75.4

75 32.1 25.9 38.9





#13

1,4-Dichlorobenzene

Concen: 44.105 ng

RT: 6.845 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

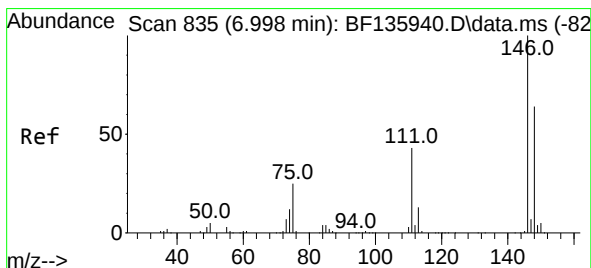
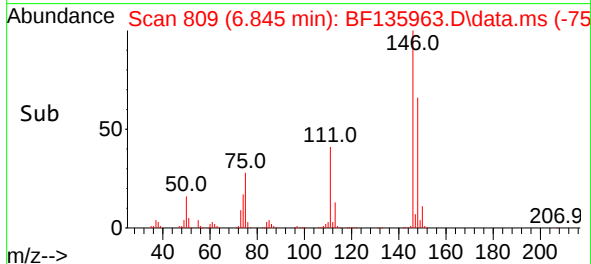
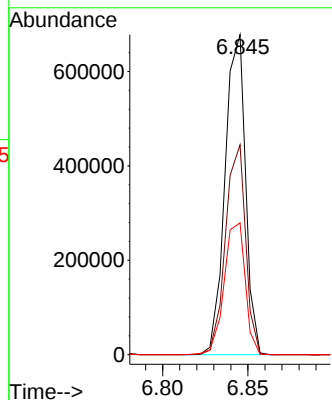
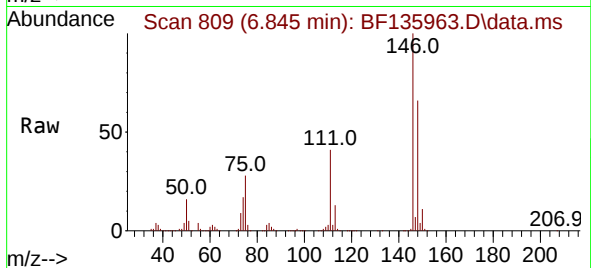
Tgt Ion:146 Resp: 567483

Ion Ratio Lower Upper

146 100

148 65.6 51.4 77.2

111 41.2 31.8 47.8



#14

1,2-Dichlorobenzene

Concen: 45.135 ng

RT: 6.992 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

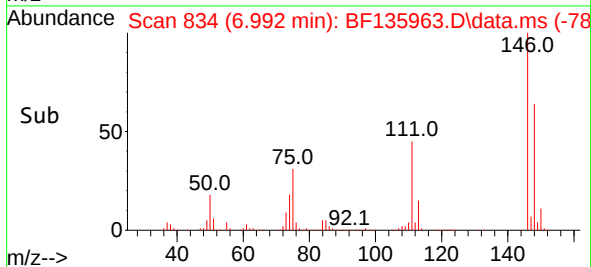
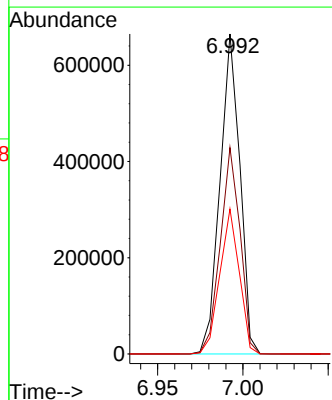
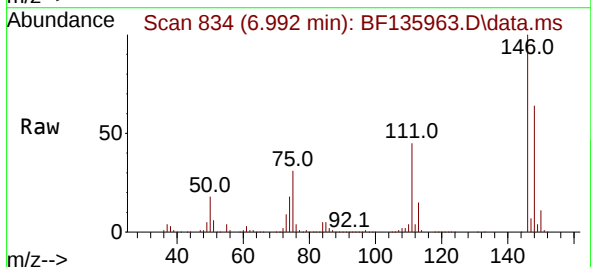
Tgt Ion:146 Resp: 539283

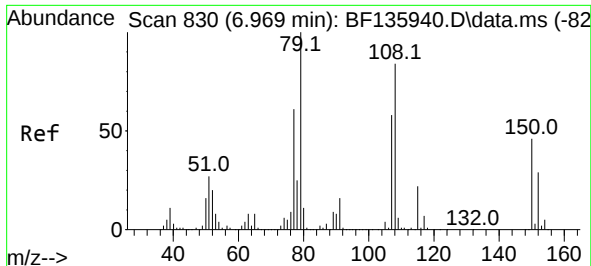
Ion Ratio Lower Upper

146 100

148 64.5 51.4 77.0

111 45.3 34.2 51.4

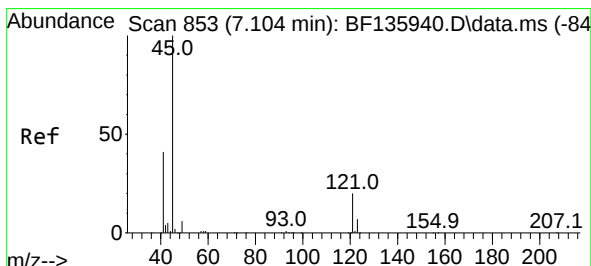
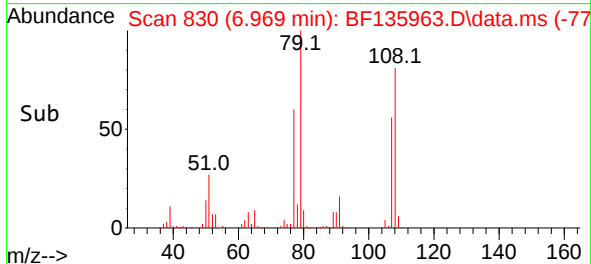
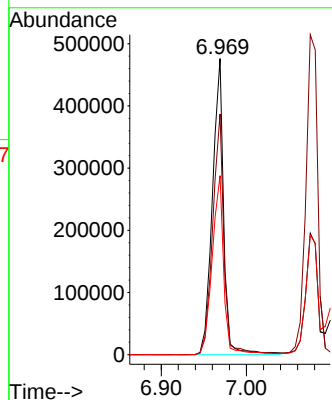
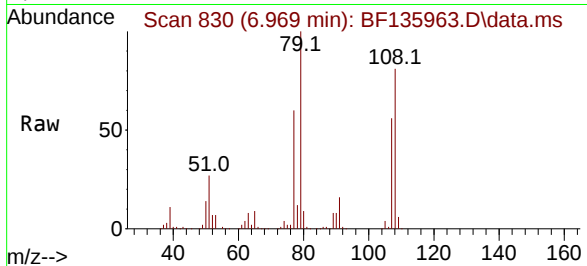




#15
Benzyl Alcohol
Concen: 42.672 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

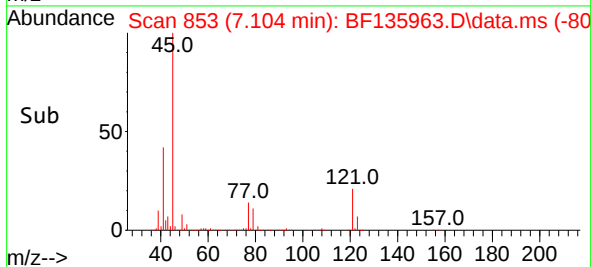
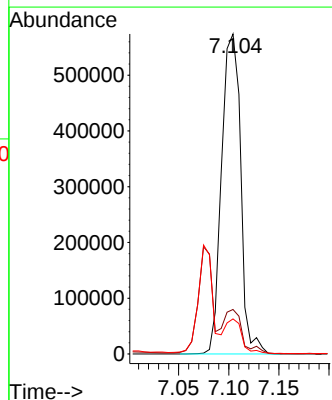
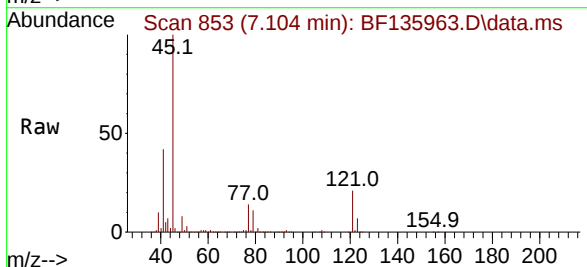
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

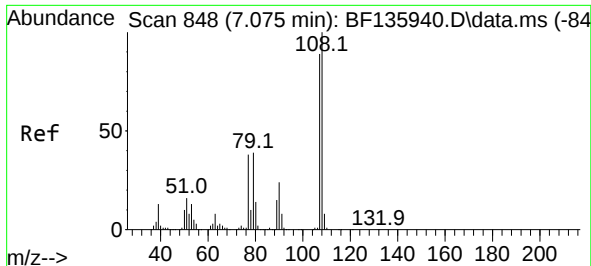
Tgt Ion: 79 Resp: 437545
Ion Ratio Lower Upper
79 100
108 81.3 67.2 100.8
77 60.5 49.0 73.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.475 ng
RT: 7.104 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion: 45 Resp: 755698
Ion Ratio Lower Upper
45 100
77 13.9 0.0 33.2
79 11.0 0.0 29.8





#17

2-Methylphenol

Concen: 40.274 ng

RT: 7.075 min Scan# 848

Delta R.T. 0.000 min

Lab File: BF135963.D

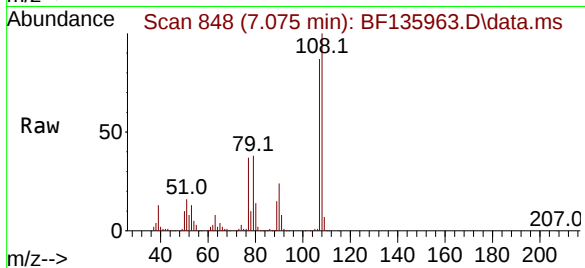
Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD



Tgt Ion:107 Resp: 428130

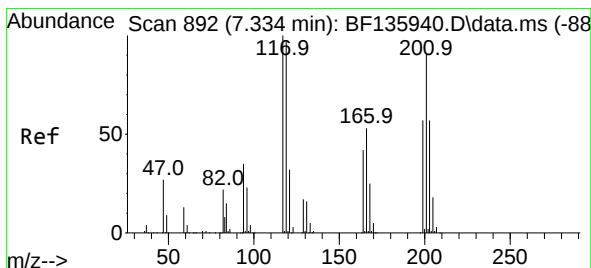
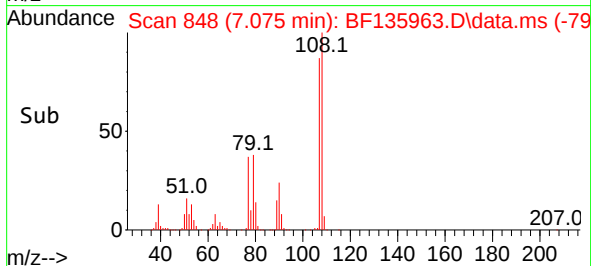
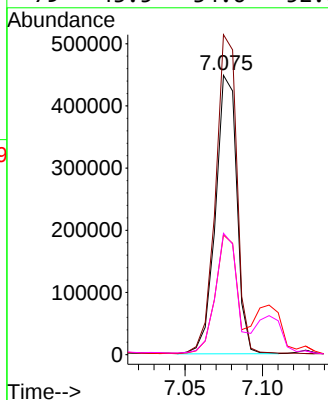
Ion Ratio Lower Upper

107 100

108 114.5 89.8 134.6

77 42.8 34.2 51.2

79 43.5 34.6 52.0



#18

Hexachloroethane

Concen: 46.856 ng

RT: 7.334 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

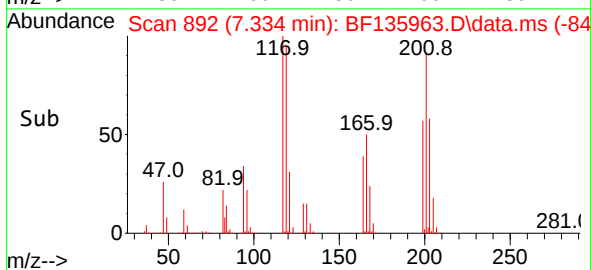
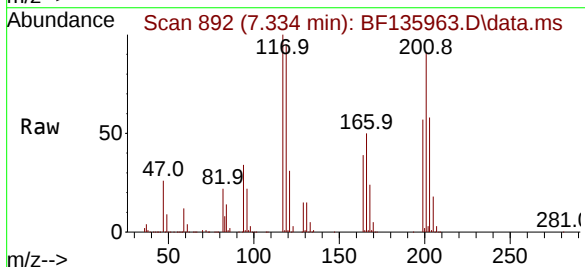
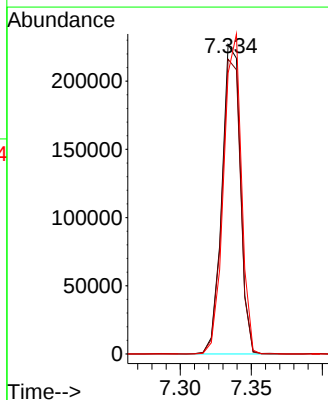
Tgt Ion:117 Resp: 205000

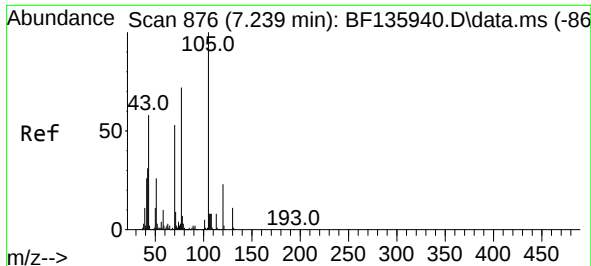
Ion Ratio Lower Upper

117 100

119 95.2 77.3 115.9

201 90.8 72.8 109.2

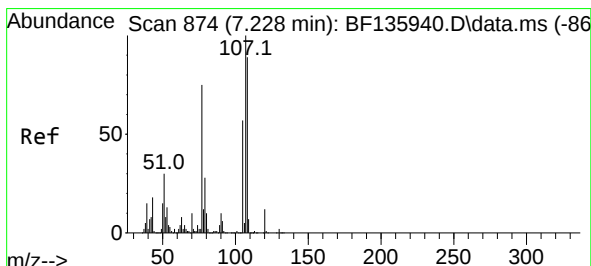
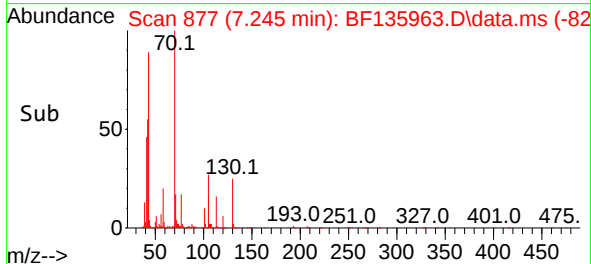
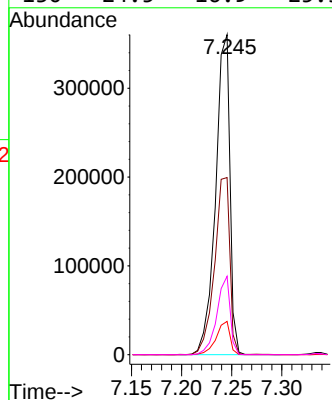
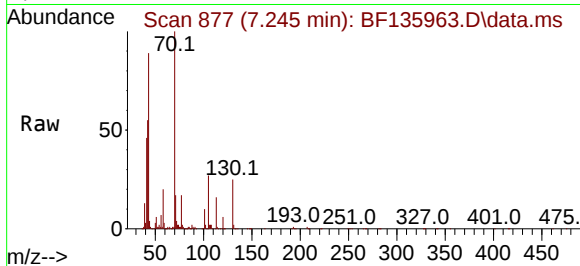




#19
n-Nitroso-di-n-propylamine
Concen: 43.373 ng
RT: 7.245 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

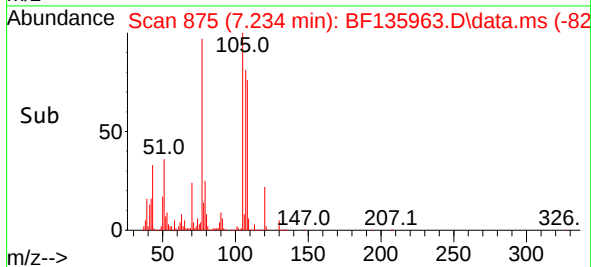
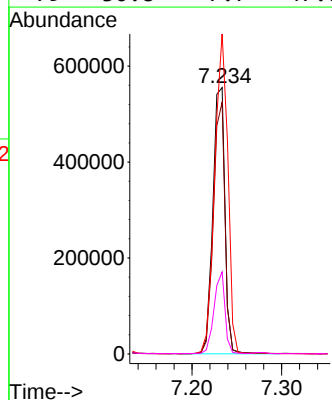
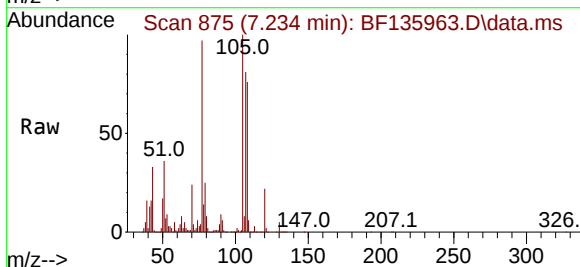
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

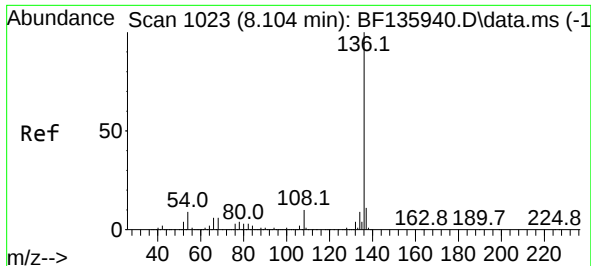
Tgt Ion: 70 Resp: 357751
Ion Ratio Lower Upper
70 100
42 55.4 47.3 70.9
101 10.4 7.8 11.8
130 24.5 16.9 25.3



#20
3+4-Methylphenols
Concen: 40.611 ng
RT: 7.234 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion: 107 Resp: 521036
Ion Ratio Lower Upper
107 100
108 94.5 69.1 109.1
77 120.1 55.0 95.0#
79 30.8 7.7 47.7



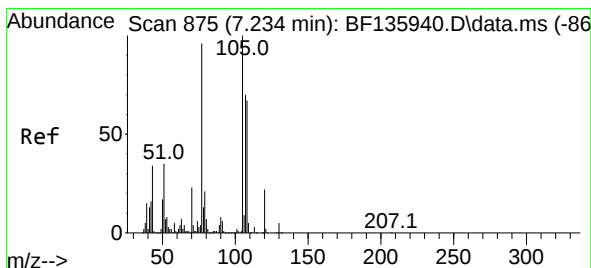
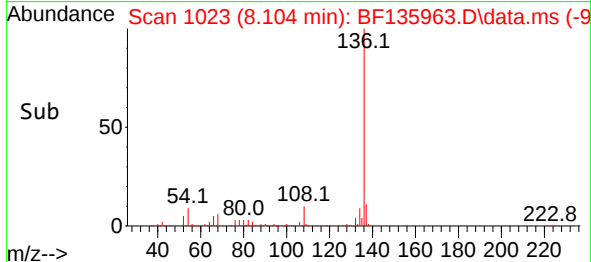
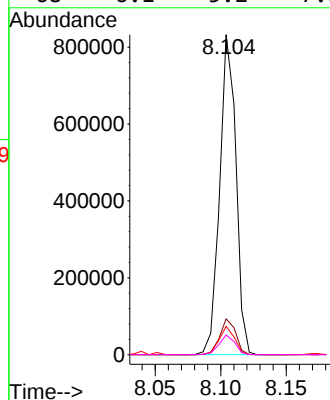
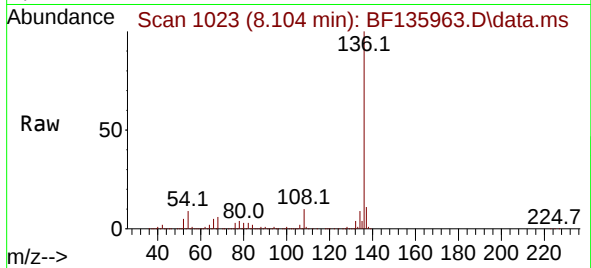


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tgt Ion:136 Resp: 715698

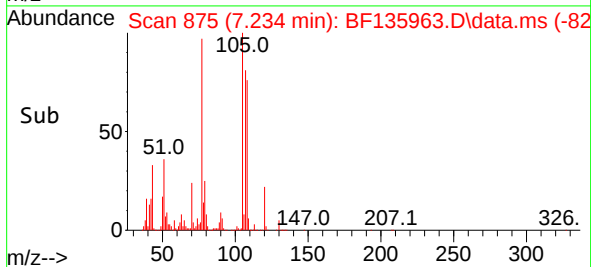
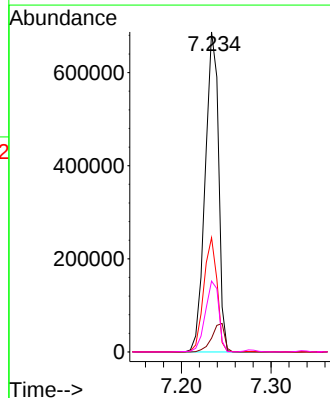
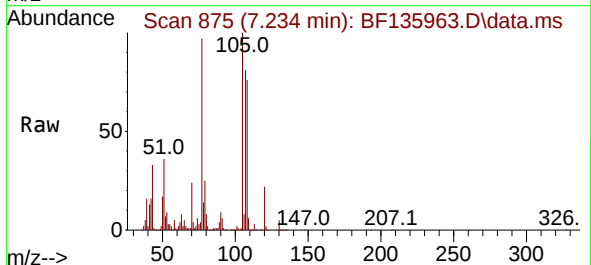
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.8	7.1	10.7
68	6.1	5.2	7.8

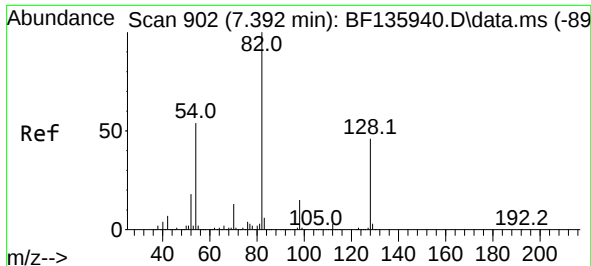


#22
Acetophenone
Concen: 44.053 ng
RT: 7.234 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:105 Resp: 712105

Ion	Ratio	Lower	Upper
105	100		
71	4.3	3.4	5.2
51	35.7	28.4	42.6
120	22.1	17.8	26.6





#23

Nitrobenzene-d5

Concen: 65.079 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.005 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

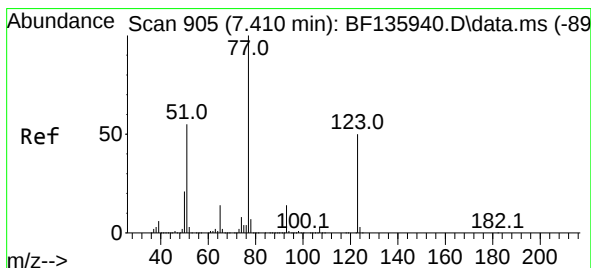
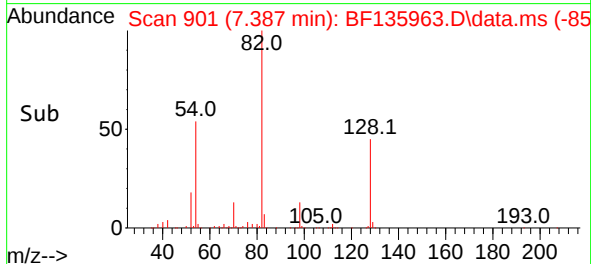
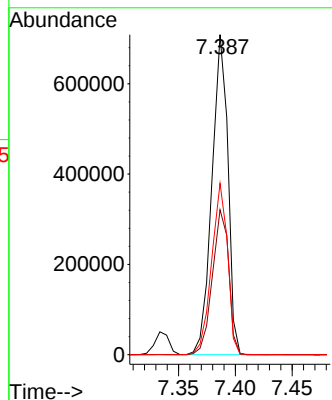
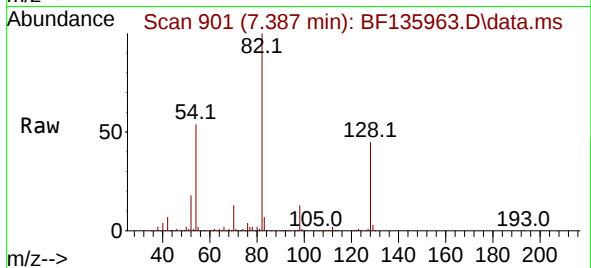
Tgt Ion: 82 Resp: 692528

Ion Ratio Lower Upper

82 100

128 45.3 36.8 55.2

54 53.6 43.4 65.0



#24

Nitrobenzene

Concen: 45.213 ng

RT: 7.410 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

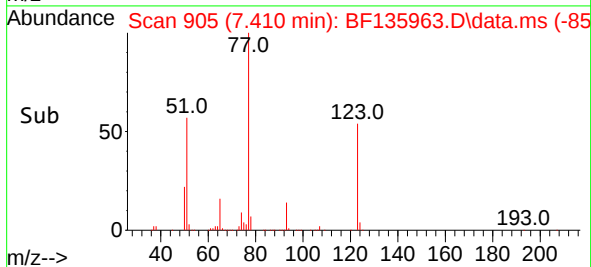
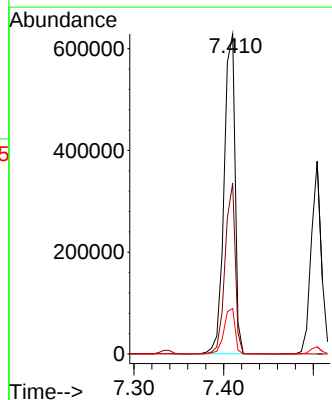
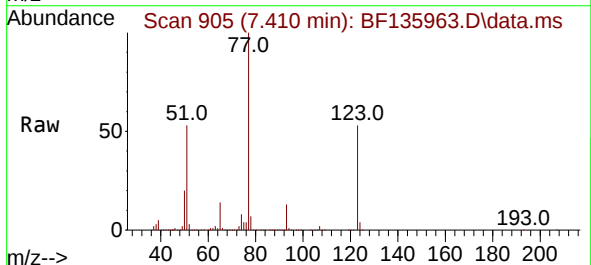
Tgt Ion: 77 Resp: 534005

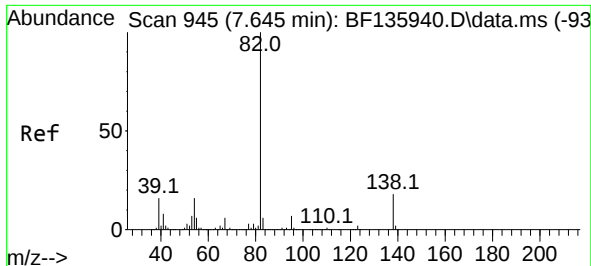
Ion Ratio Lower Upper

77 100

123 53.4 40.2 60.2

65 14.2 11.0 16.4

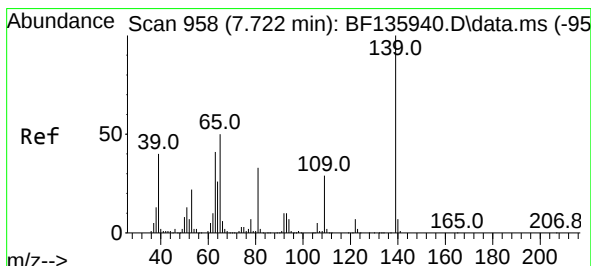
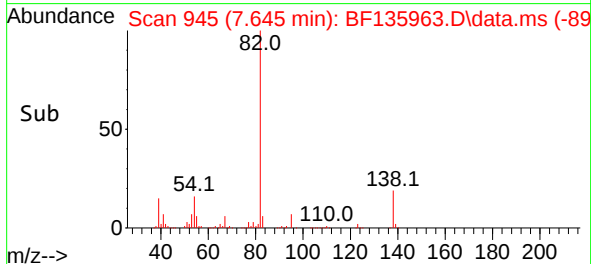
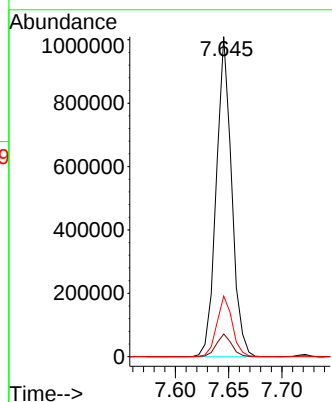
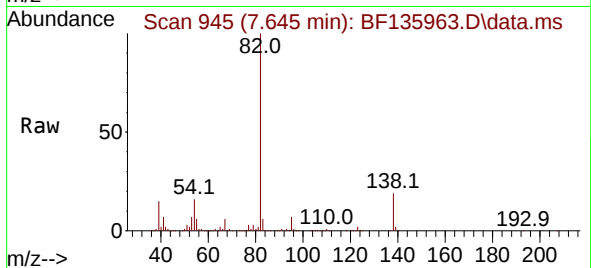




#25
Isophorone
Concen: 44.773 ng
RT: 7.645 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

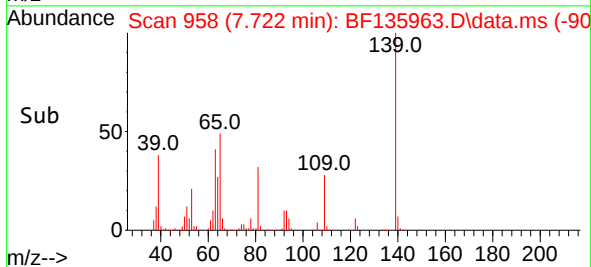
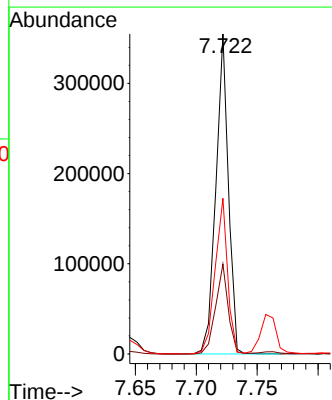
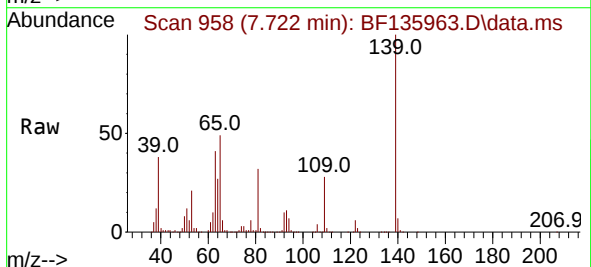
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

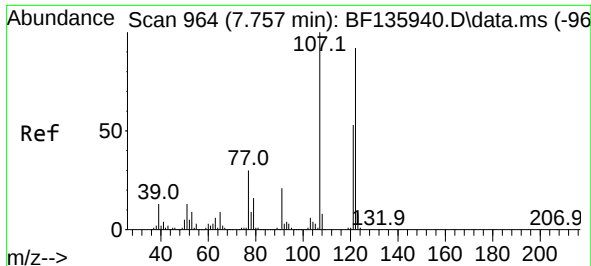
Tgt Ion: 82 Resp: 1012871
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 19.0 14.8 22.2



#26
2-Nitrophenol
Concen: 56.598 ng
RT: 7.722 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion: 139 Resp: 255242
Ion Ratio Lower Upper
139 100
109 28.1 23.1 34.7
65 48.6 39.8 59.8





#27

2,4-Dimethylphenol

Concen: 42.088 ng

RT: 7.763 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

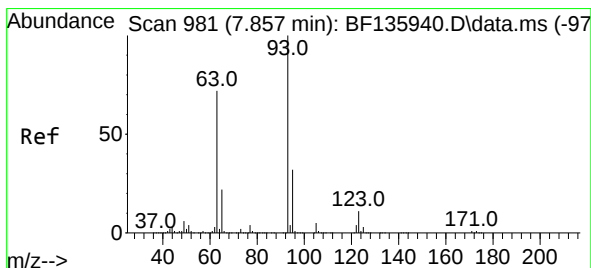
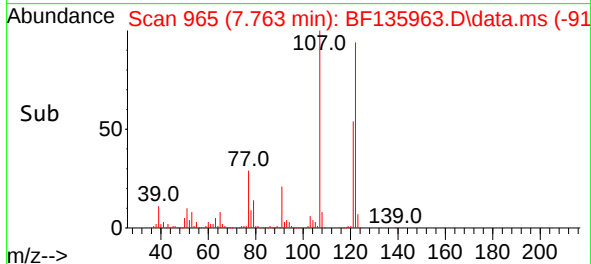
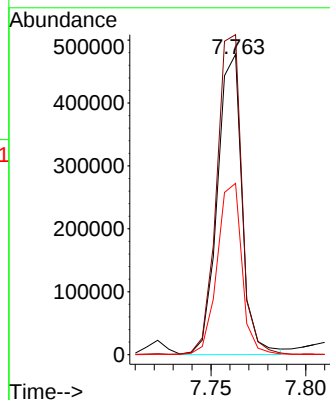
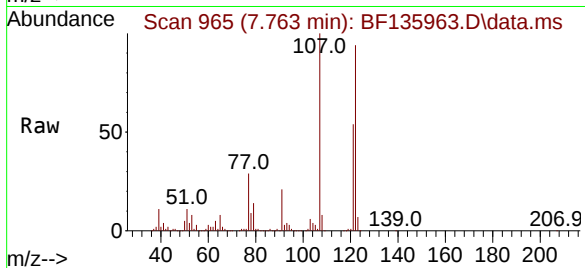
Tgt Ion:122 Resp: 433953

Ion Ratio Lower Upper

122 100

107 106.5 87.1 130.7

121 57.0 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 45.022 ng

RT: 7.863 min Scan# 982

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

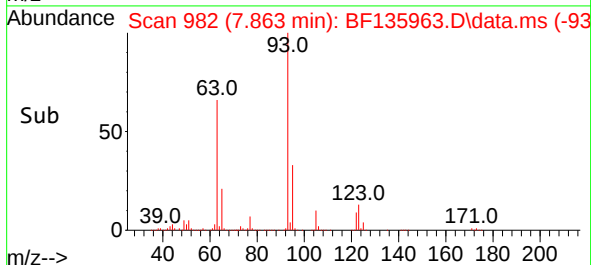
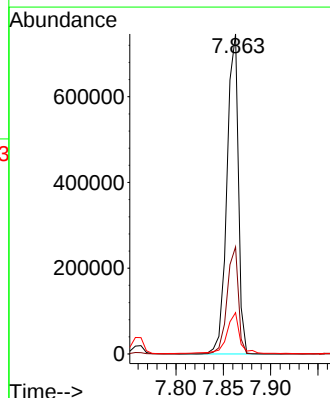
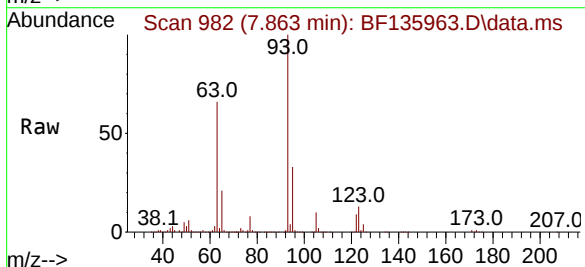
Tgt Ion: 93 Resp: 625451

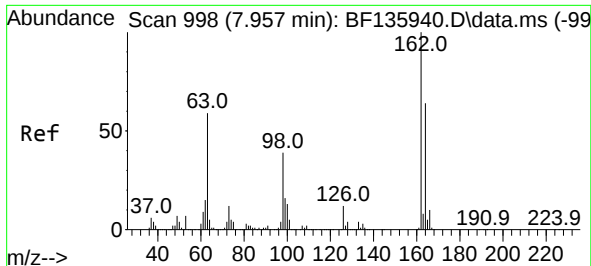
Ion Ratio Lower Upper

93 100

95 33.4 25.9 38.9

123 12.9 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 48.444 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

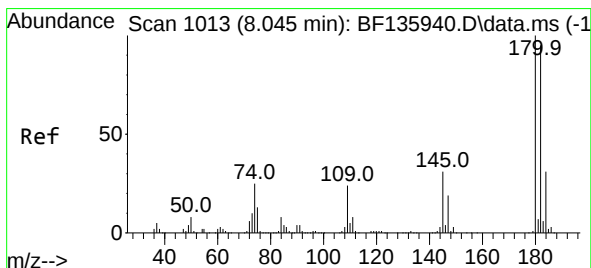
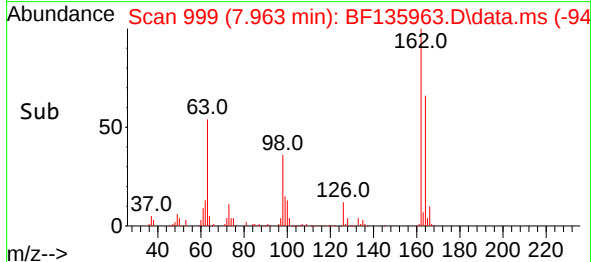
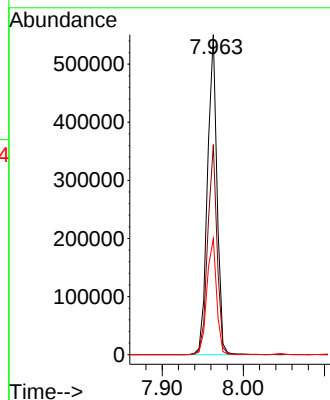
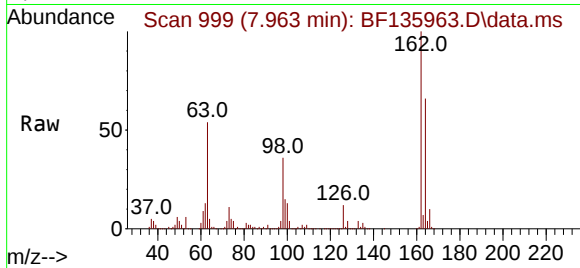
Tgt Ion:162 Resp: 447275

Ion Ratio Lower Upper

162 100

164 65.6 43.7 83.7

98 36.3 18.8 58.8



#30

1,2,4-Trichlorobenzene

Concen: 45.884 ng

RT: 8.045 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

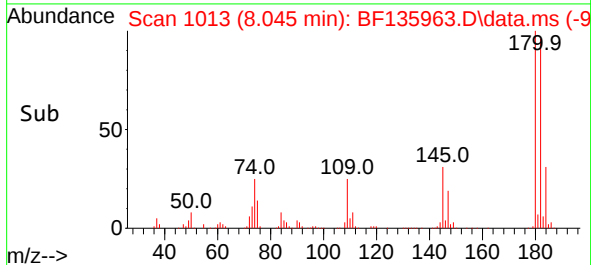
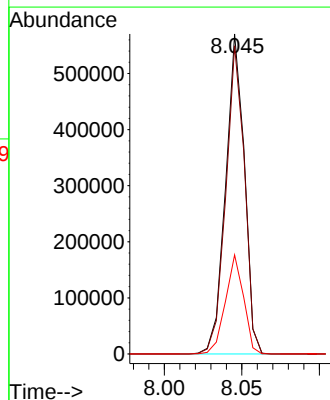
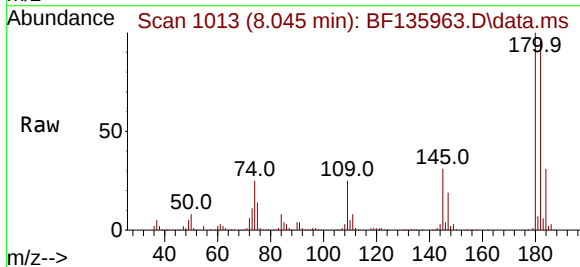
Tgt Ion:180 Resp: 479655

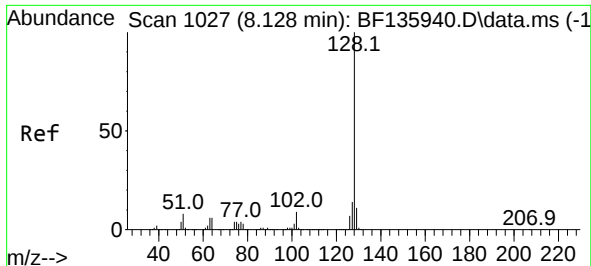
Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

145 31.0 24.6 36.8

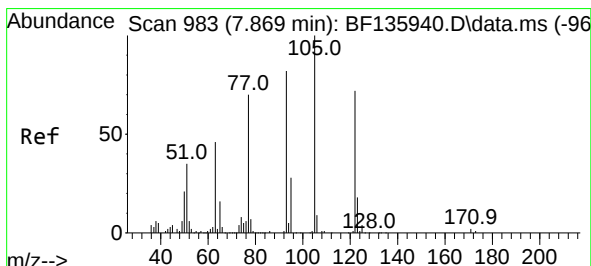
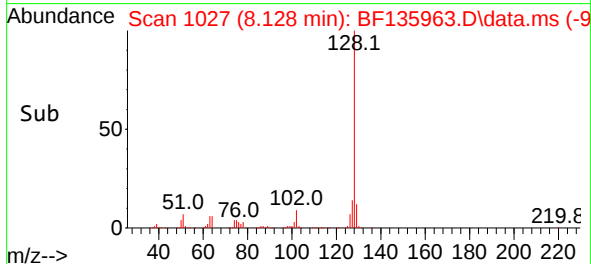
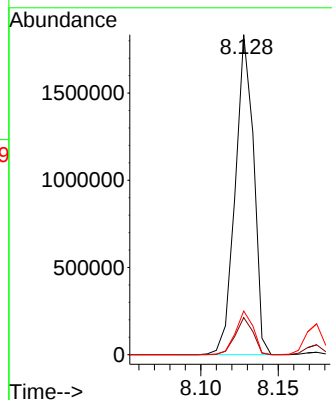
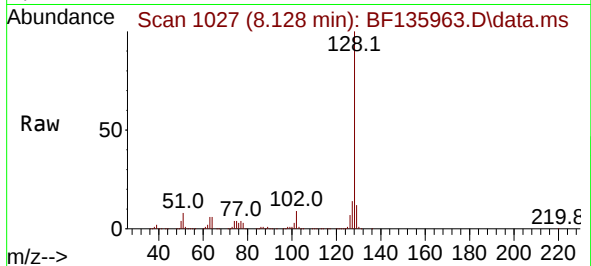




#31
Naphthalene
Concen: 43.746 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

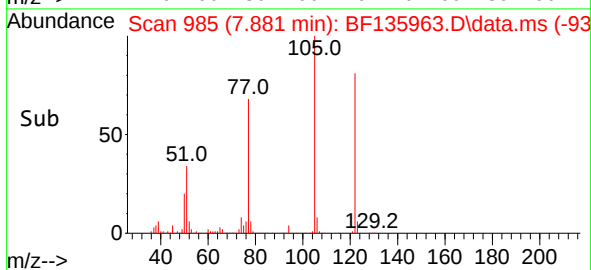
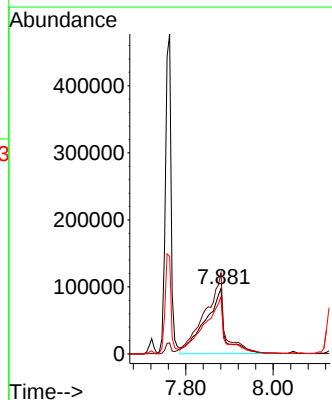
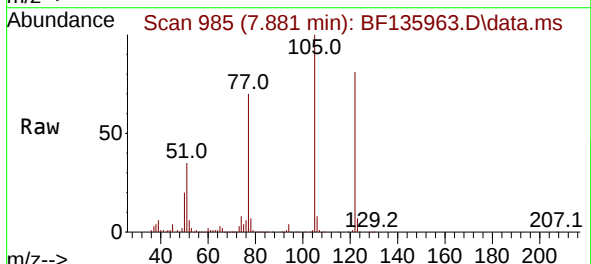
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

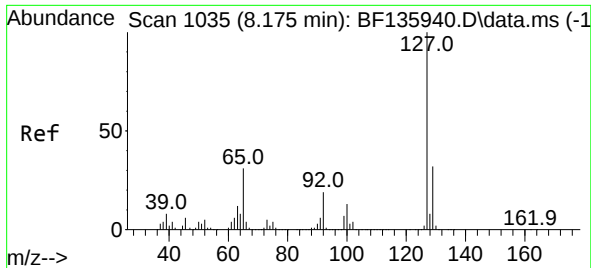
Tgt Ion:128 Resp: 1513703
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.6 10.9 16.3



#32
Benzoic acid
Concen: 56.743 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.012 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:122 Resp: 312562
Ion Ratio Lower Upper
122 100
105 124.2 113.1 153.1
77 87.4 75.2 115.2

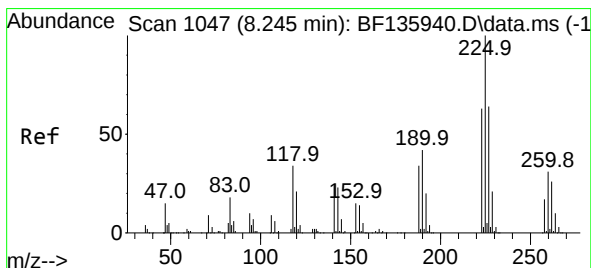
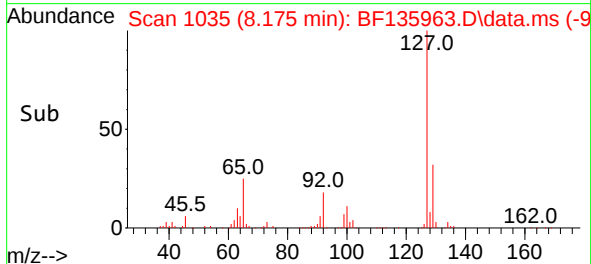
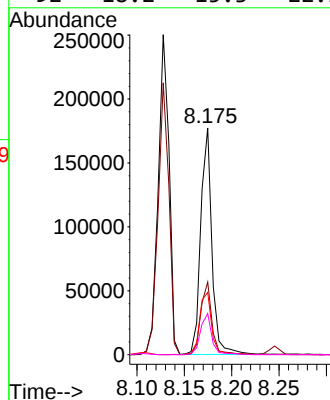
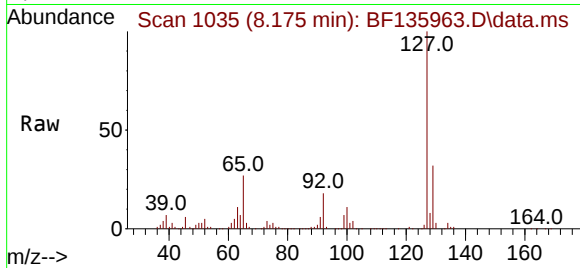




#33
4-Chloroaniline
Concen: 9.558 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

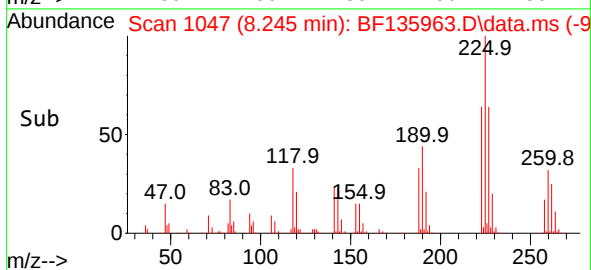
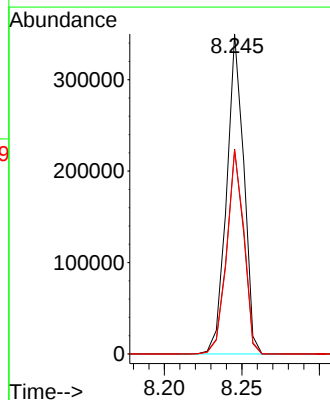
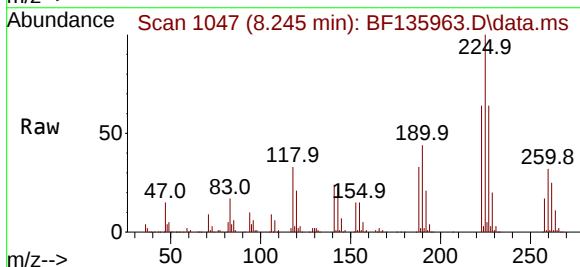
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

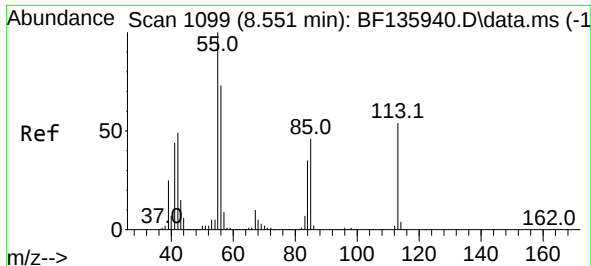
Tgt Ion:	127	Resp:	146177
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	27.5	24.8	37.2
92	18.2	15.3	22.9



#34
Hexachlorobutadiene
Concen: 45.696 ng
RT: 8.245 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:	225	Resp:	269248
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	75.8
227	63.6	50.9	76.3

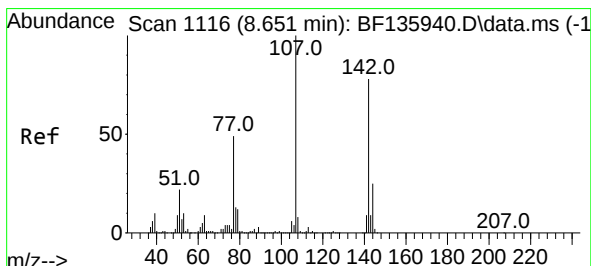
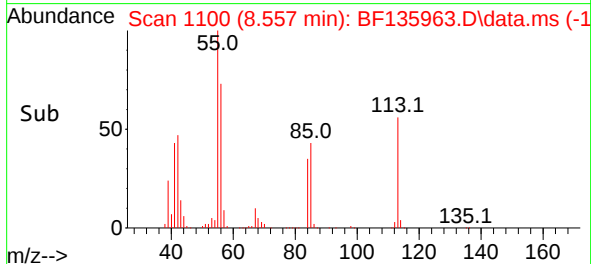
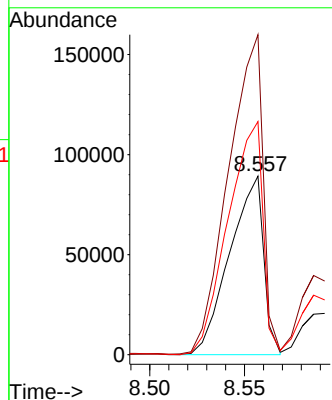
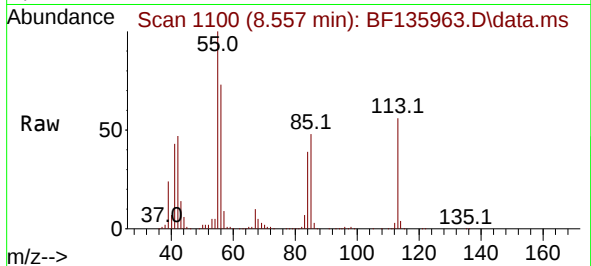




#35
 Caprolactam
 Concen: 36.029 ng
 RT: 8.557 min Scan# 1100
 Delta R.T. 0.006 min
 Lab File: BF135963.D
 Acq: 26 Oct 2023 15:02

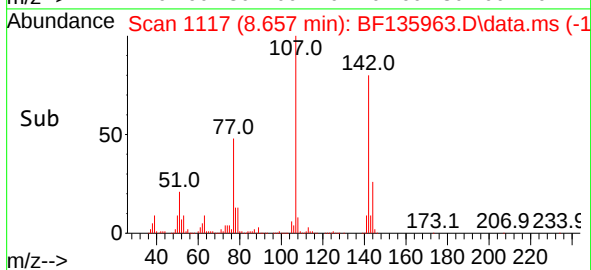
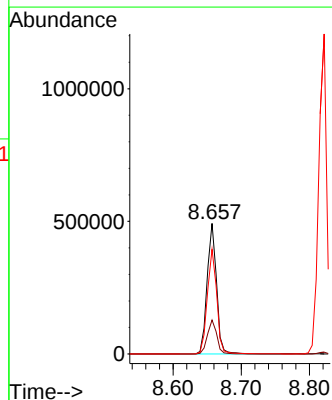
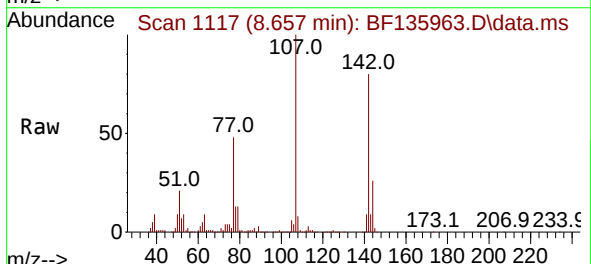
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

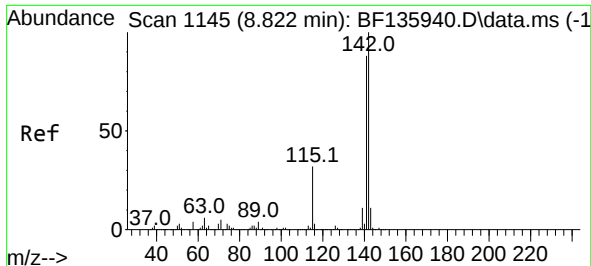
Tgt Ion:113 Resp: 110697
 Ion Ratio Lower Upper
 113 100
 55 179.3 165.4 205.4
 56 130.6 115.2 155.2



#36
 4-Chloro-3-methylphenol
 Concen: 48.282 ng
 RT: 8.657 min Scan# 1117
 Delta R.T. 0.006 min
 Lab File: BF135963.D
 Acq: 26 Oct 2023 15:02

Tgt Ion:107 Resp: 473731
 Ion Ratio Lower Upper
 107 100
 144 26.0 19.9 29.9
 142 80.2 62.8 94.2





#37

2-Methylnaphthalene

Concen: 42.536 ng

RT: 8.822 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

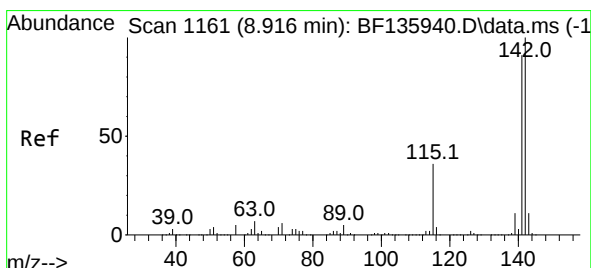
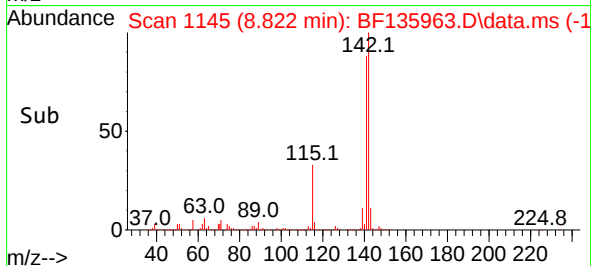
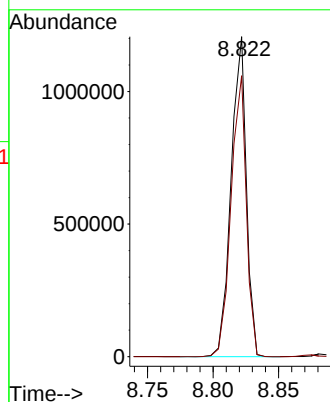
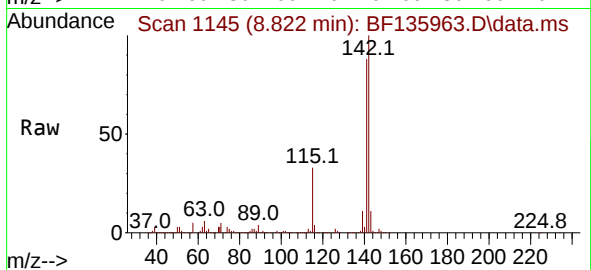
72-11991MSD

Tgt Ion:142 Resp: 973829

Ion Ratio Lower Upper

142 100

141 87.8 70.4 105.6



#38

1-Methylnaphthalene

Concen: 44.578 ng

RT: 8.922 min Scan# 1162

Delta R.T. 0.006 min

Lab File: BF135963.D

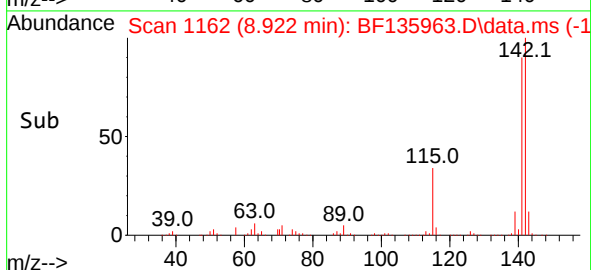
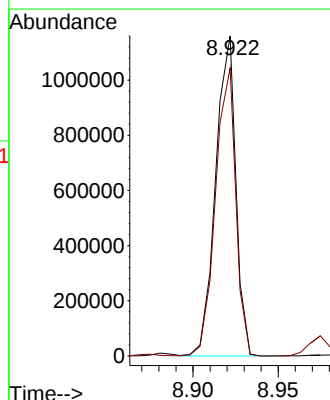
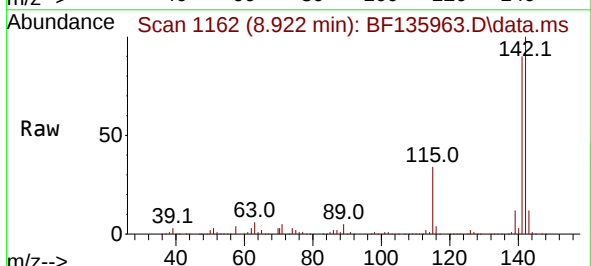
Acq: 26 Oct 2023 15:02

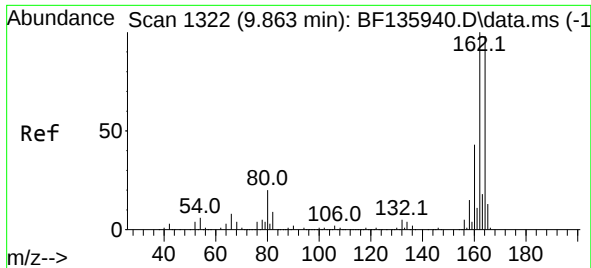
Tgt Ion:142 Resp: 953618

Ion Ratio Lower Upper

142 100

141 90.0 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

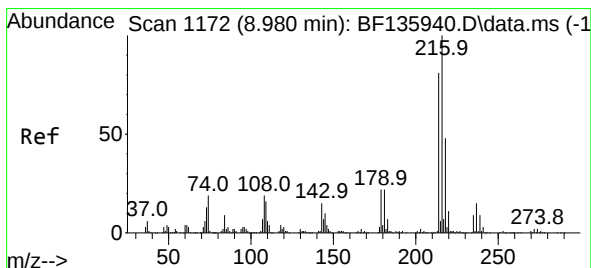
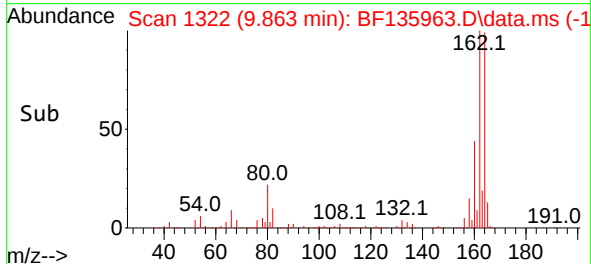
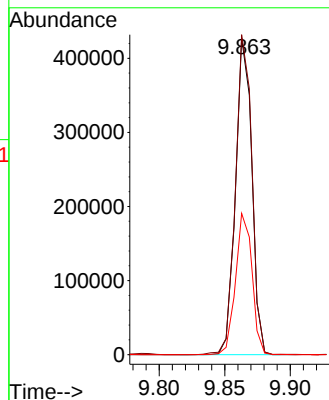
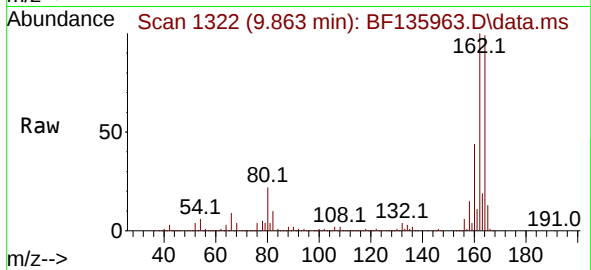
Tgt Ion:164 Resp: 369029

Ion Ratio Lower Upper

164 100

162 101.0 82.0 123.0

160 44.6 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.222 ng

RT: 8.986 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Tgt Ion:216 Resp: 460917

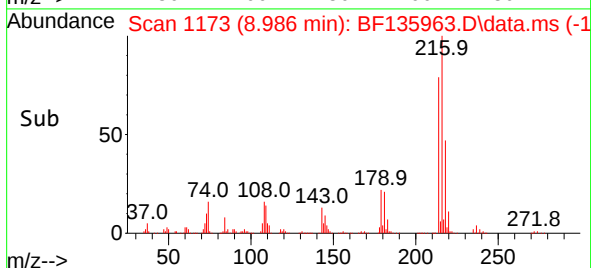
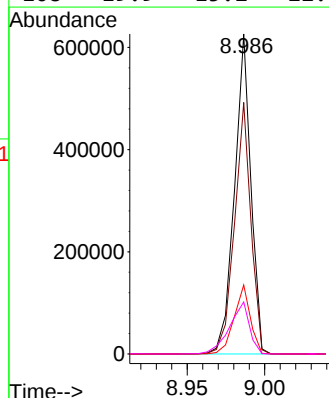
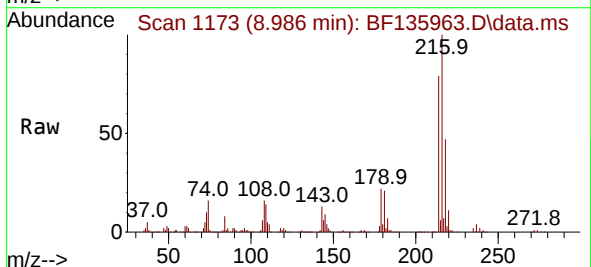
Ion Ratio Lower Upper

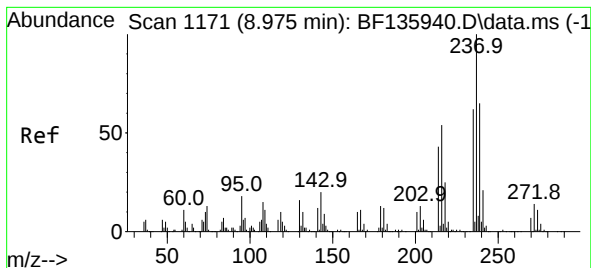
216 100

214 78.5 63.3 94.9

179 21.4 17.3 25.9

108 19.9 15.2 22.8





#41

Hexachlorocyclopentadiene

Concen: 95.502 ng

RT: 8.975 min Scan# 1171

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

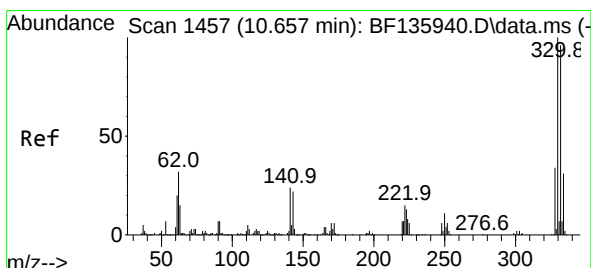
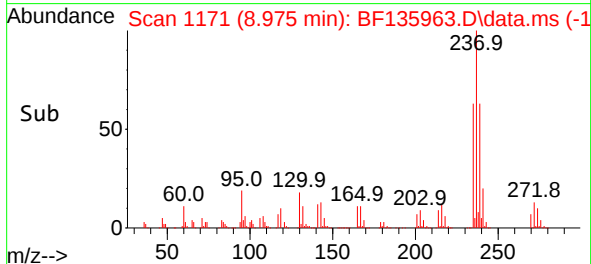
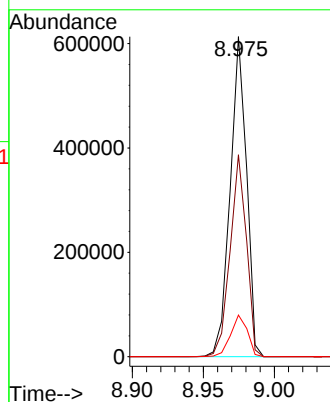
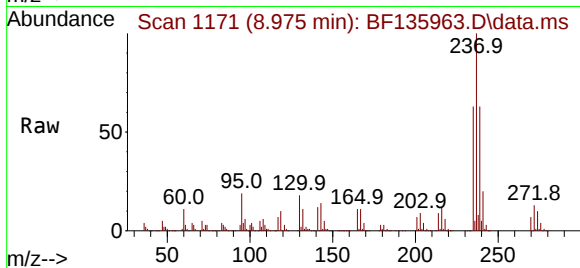
Tgt Ion:237 Resp: 490817

Ion Ratio Lower Upper

237 100

235 63.1 41.7 81.7

272 13.0 0.0 33.6



#42

2,4,6-Tribromophenol

Concen: 104.612 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

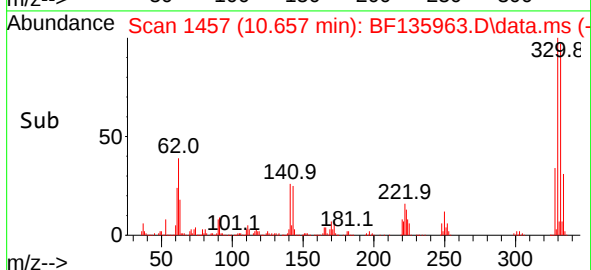
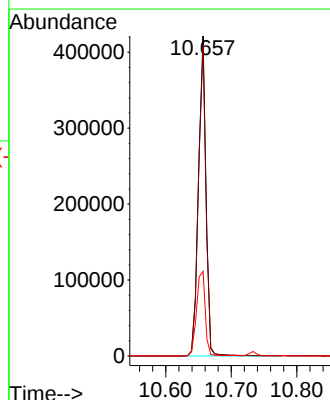
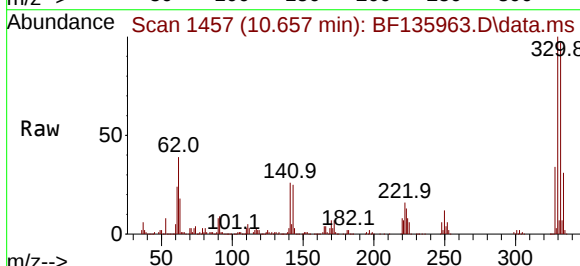
Tgt Ion:330 Resp: 337908

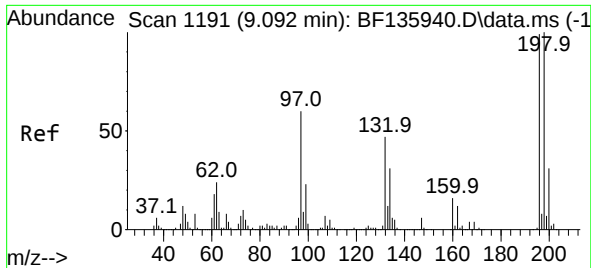
Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

141 30.7 24.9 37.3

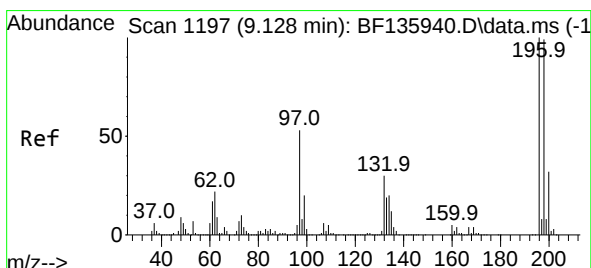
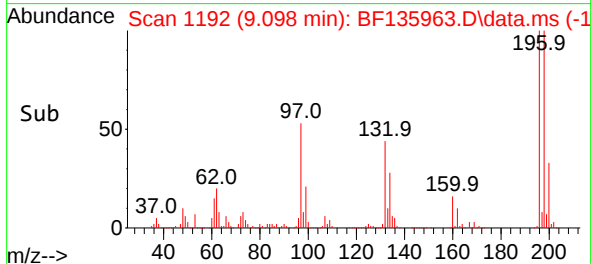
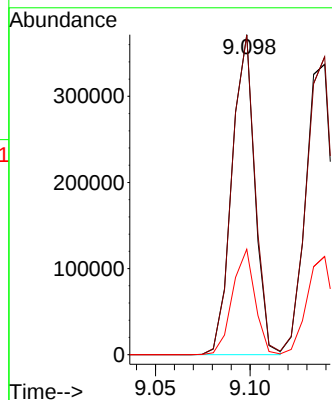
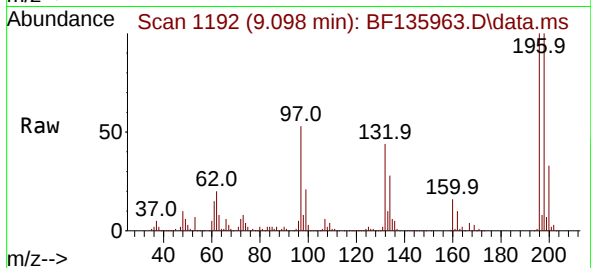




#43
2,4,6-Trichlorophenol
Concen: 51.071 ng
RT: 9.098 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

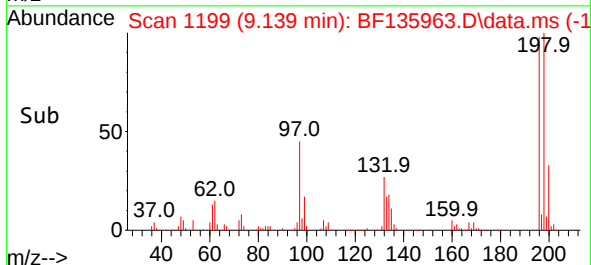
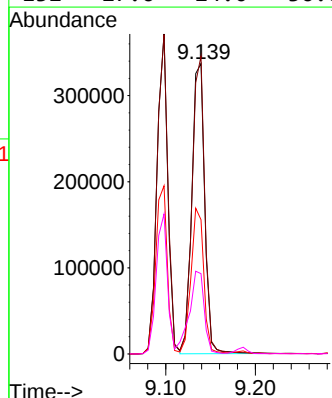
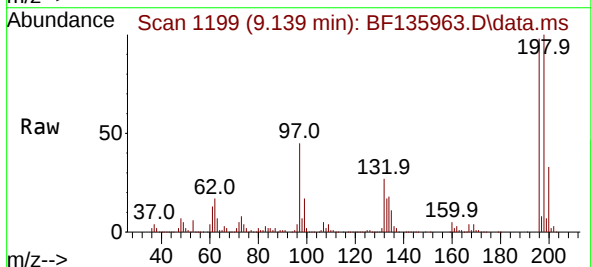
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

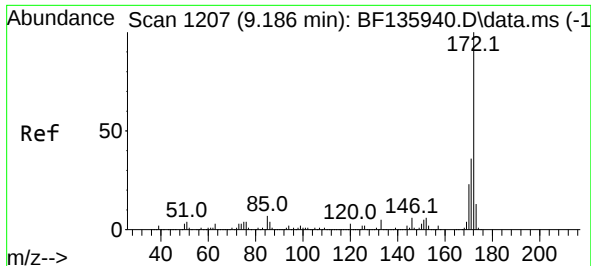
Tgt Ion:196 Resp: 311554
Ion Ratio Lower Upper
196 100
198 99.8 81.0 121.4
200 33.0 25.4 38.0



#44
2,4,5-Trichlorophenol
Concen: 46.440 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.012 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:196 Resp: 336371
Ion Ratio Lower Upper
196 100
198 102.6 79.1 118.7
97 46.2 42.3 63.5
132 27.6 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 57.336 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

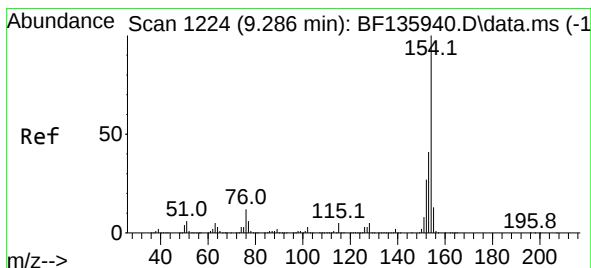
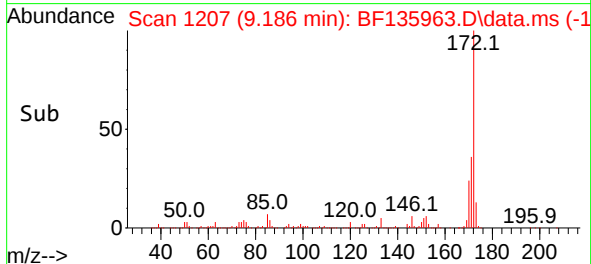
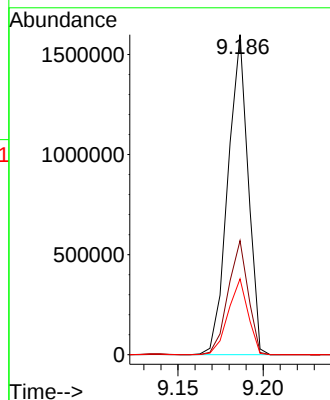
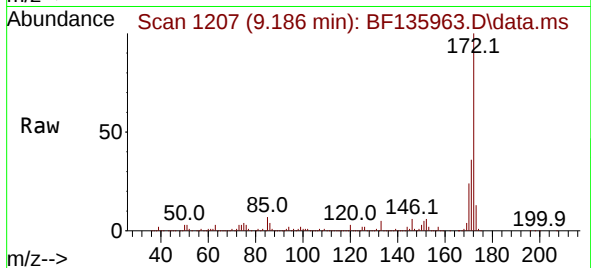
Tgt Ion:172 Resp: 1321374

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.7 18.6 28.0



#46

1,1'-Biphenyl

Concen: 44.659 ng

RT: 9.286 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

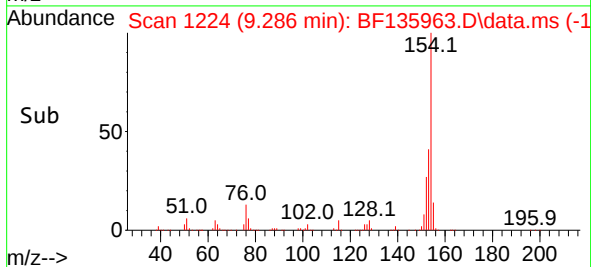
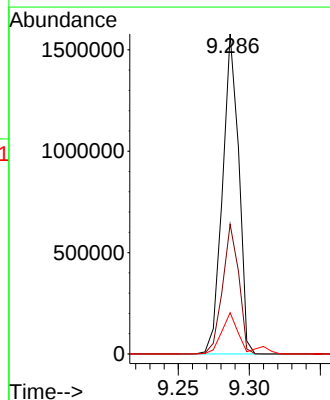
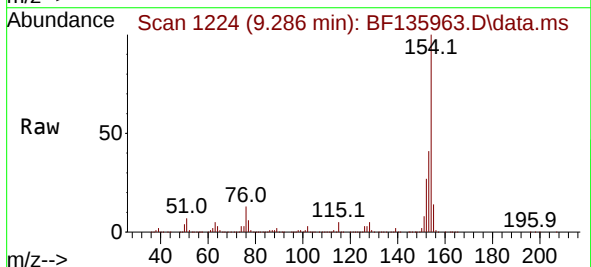
Tgt Ion:154 Resp: 1248781

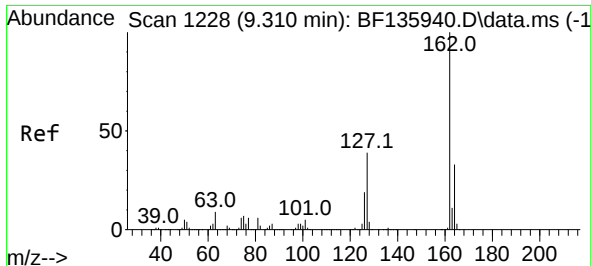
Ion Ratio Lower Upper

154 100

153 40.6 20.7 60.7

76 12.9 0.0 32.4





#47

2-Chloronaphthalene

Concen: 45.395 ng

RT: 9.310 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

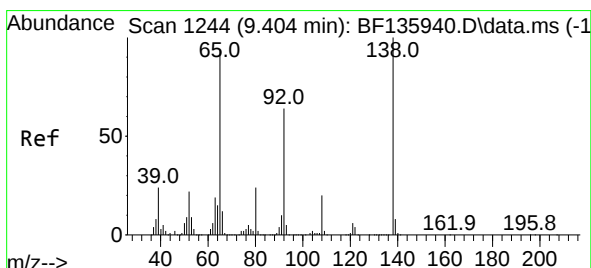
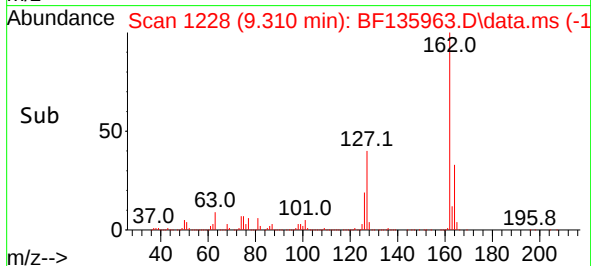
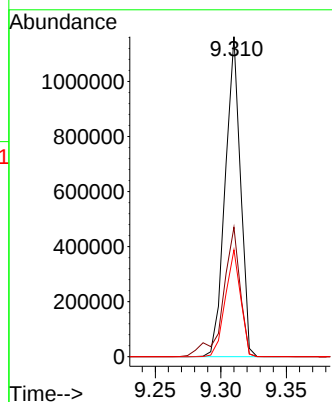
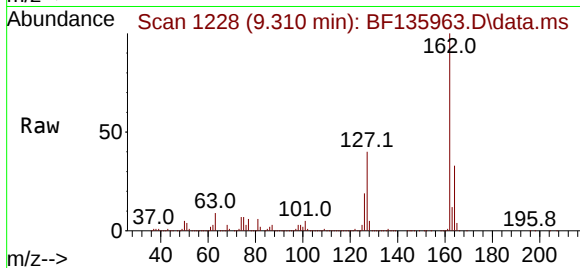
Tgt Ion:162 Resp: 938887

Ion Ratio Lower Upper

162 100

127 40.4 31.0 46.4

164 33.4 26.6 39.8



#48

2-Nitroaniline

Concen: 50.346 ng

RT: 9.404 min Scan# 1244

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

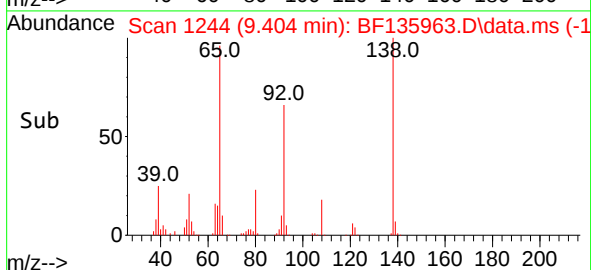
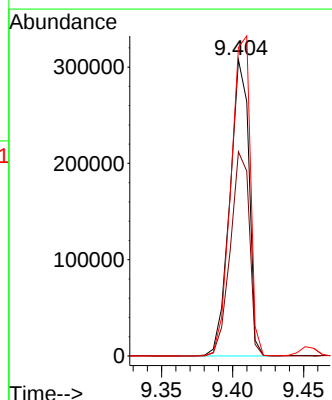
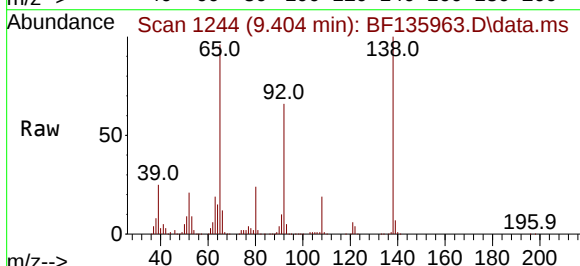
Tgt Ion: 65 Resp: 287568

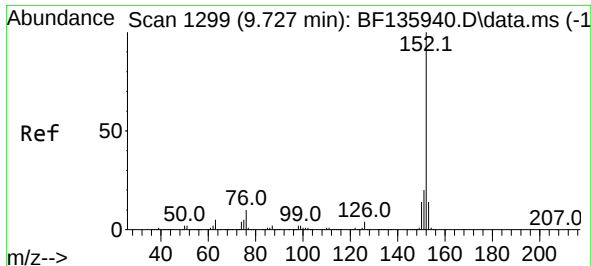
Ion Ratio Lower Upper

65 100

92 68.9 54.9 82.3

138 104.2 85.2 127.8

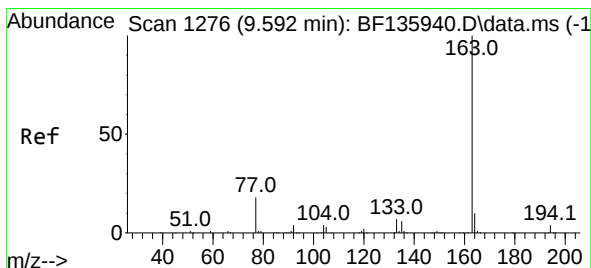
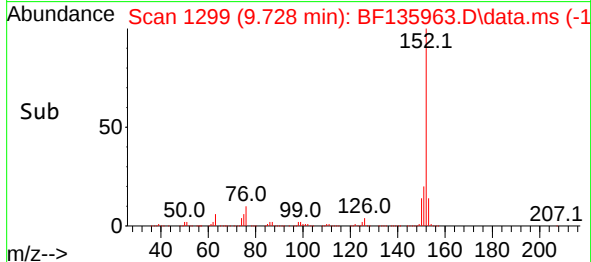
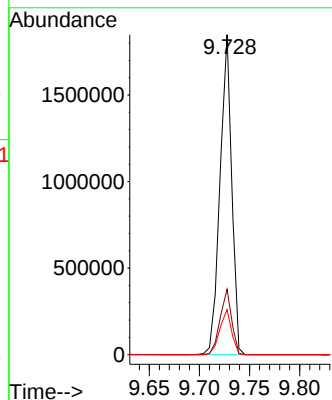
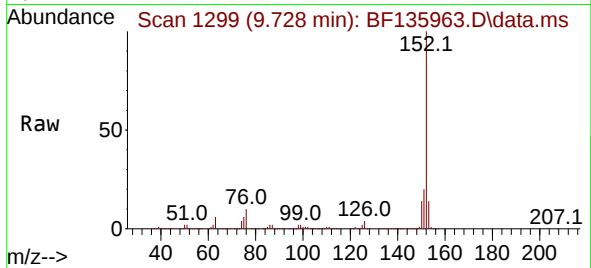




#49
Acenaphthylene
Concen: 45.904 ng
RT: 9.728 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

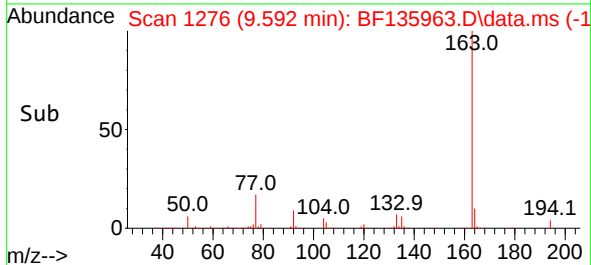
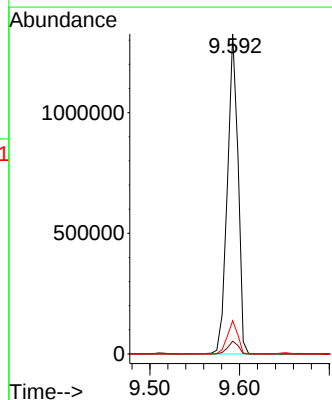
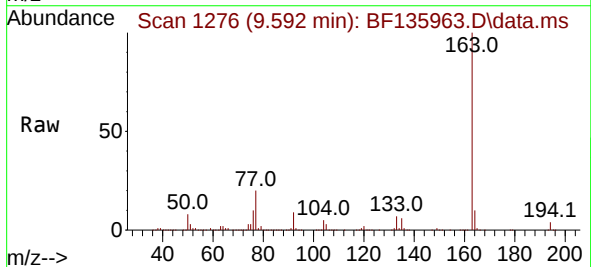
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

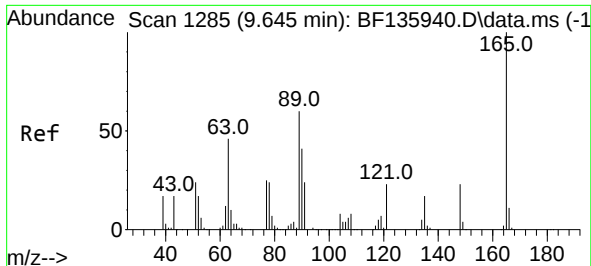
Tgt Ion:152 Resp: 1497828
Ion Ratio Lower Upper
152 100
151 20.4 16.0 24.0
153 14.1 11.0 16.6



#50
Dimethylphthalate
Concen: 45.545 ng
RT: 9.592 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:163 Resp: 1089945
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.4 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 48.904 ng

RT: 9.651 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

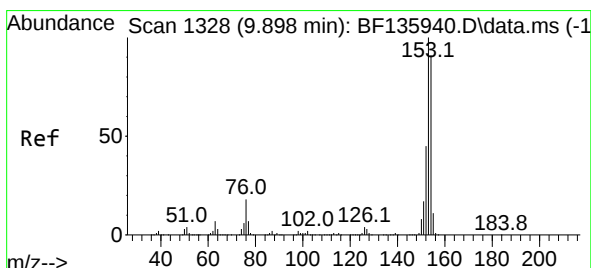
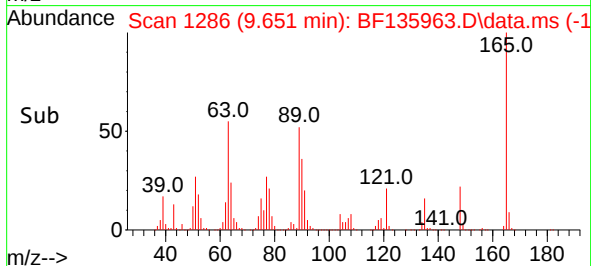
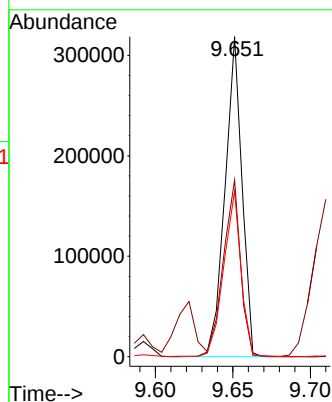
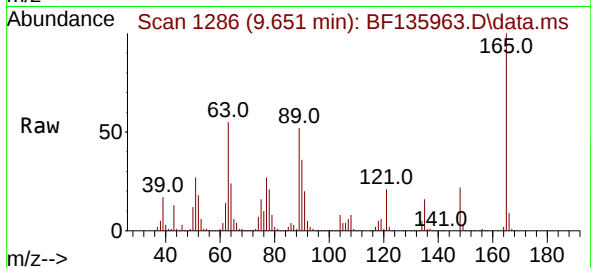
Tgt Ion:165 Resp: 243134

Ion Ratio Lower Upper

165 100

63 55.2 51.7 77.5

89 51.7 48.3 72.5



#52

Acenaphthene

Concen: 48.474 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

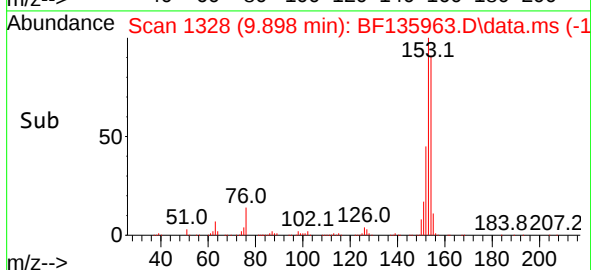
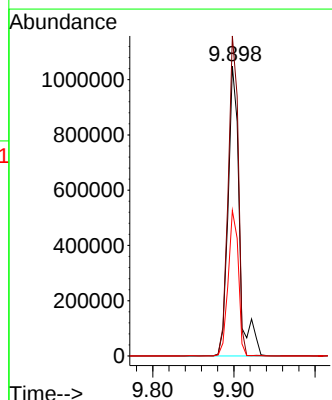
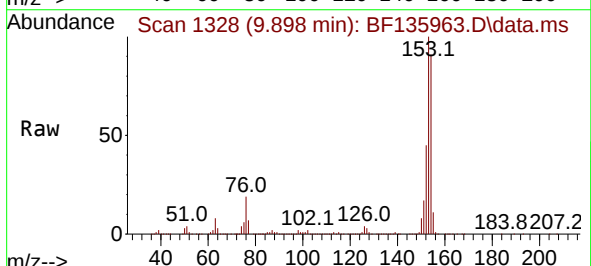
Tgt Ion:154 Resp: 1013647

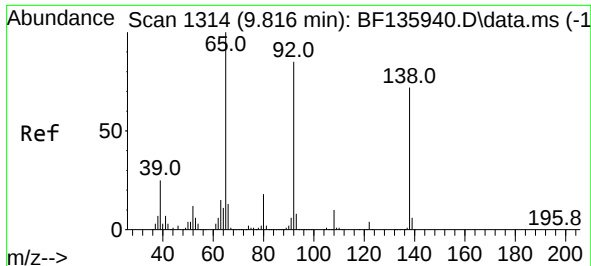
Ion Ratio Lower Upper

154 100

153 110.4 88.0 132.0

152 50.2 39.4 59.2

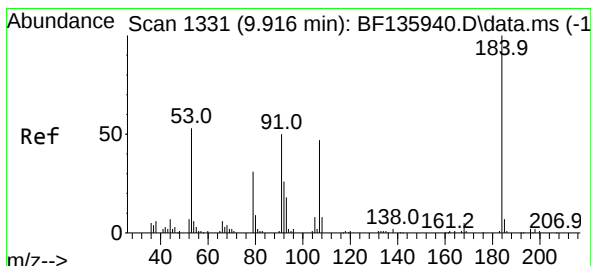
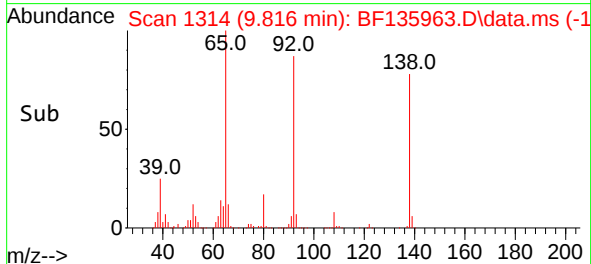
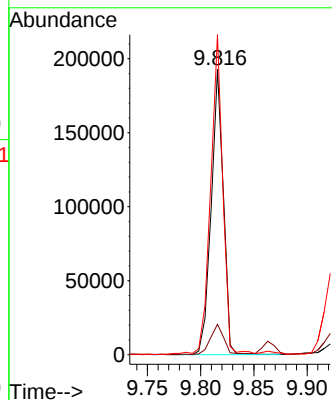
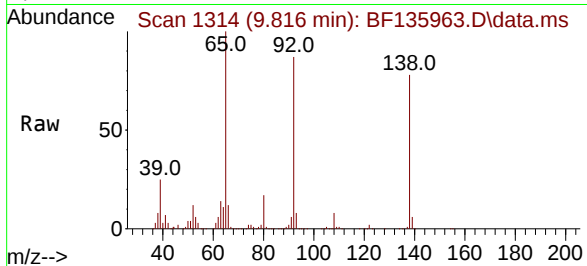




#53
3-Nitroaniline
Concen: 27.932 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

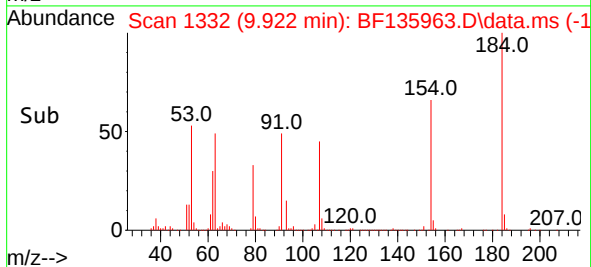
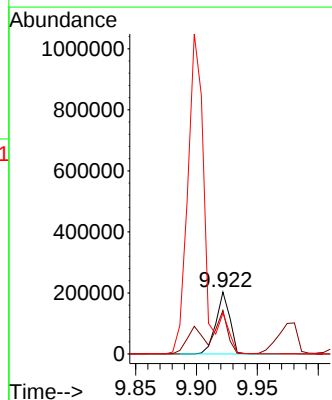
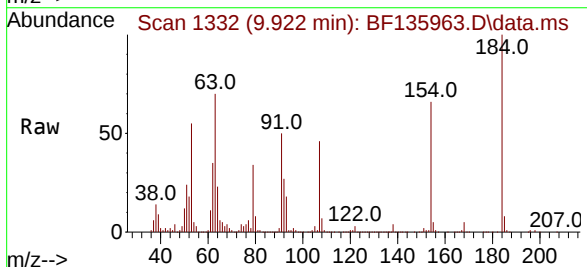
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

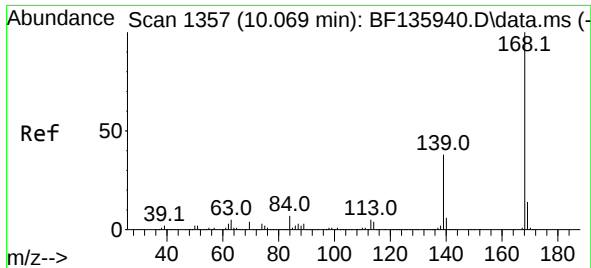
Tgt Ion:138 Resp: 153311
Ion Ratio Lower Upper
138 100
108 10.7 11.3 16.9#
92 112.2 95.0 142.6



#54
2,4-Dinitrophenol
Concen: 82.817 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:184 Resp: 160780
Ion Ratio Lower Upper
184 100
63 70.2 56.3 84.5
154 65.8 48.1 72.1

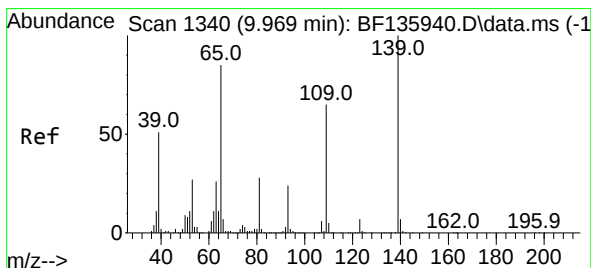
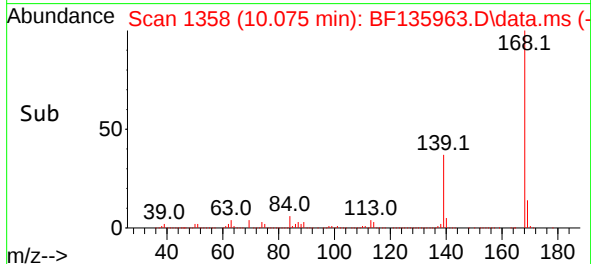
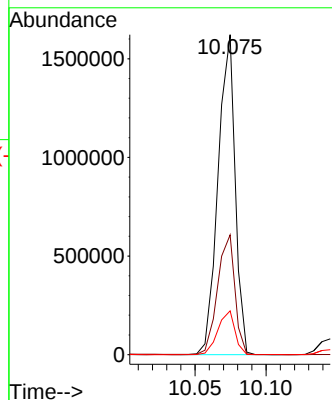
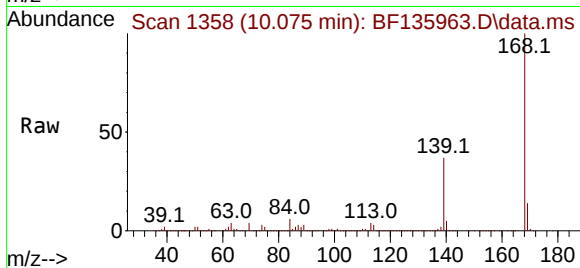




#55
Dibenzenofuran
Concen: 44.867 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

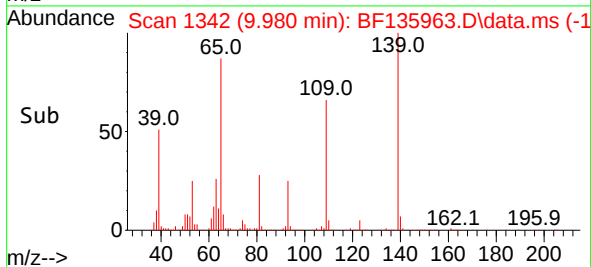
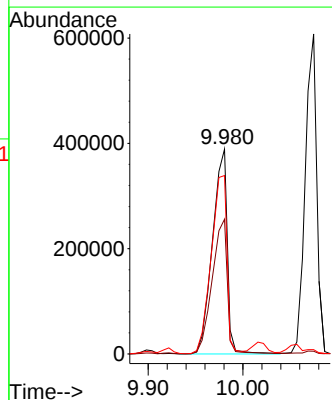
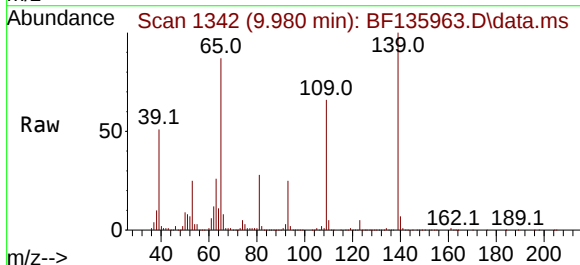
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

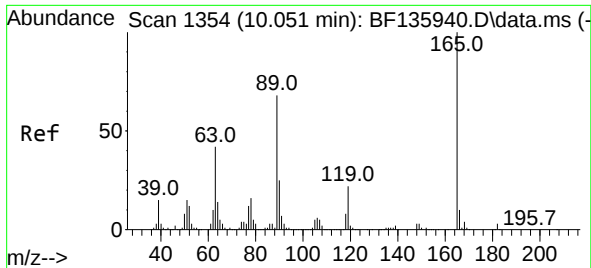
Tgt Ion:168 Resp: 1355409
Ion Ratio Lower Upper
168 100
139 37.5 30.7 46.1
169 13.7 11.1 16.7



#56
4-Nitrophenol
Concen: 86.865 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:139 Resp: 422137
Ion Ratio Lower Upper
139 100
109 65.7 45.2 85.2
65 87.1 65.1 105.1

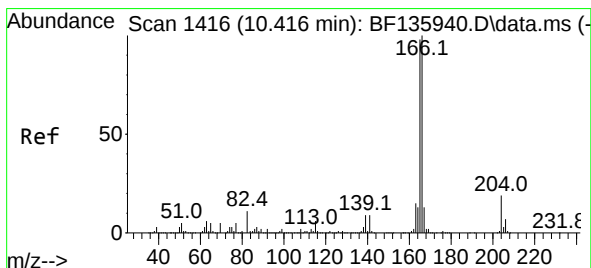
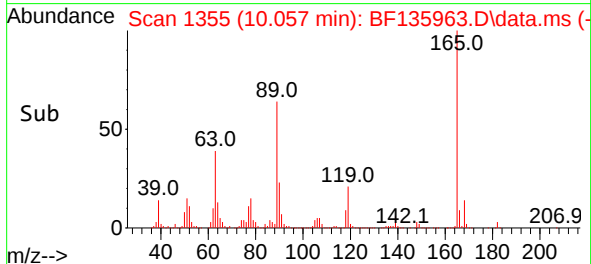
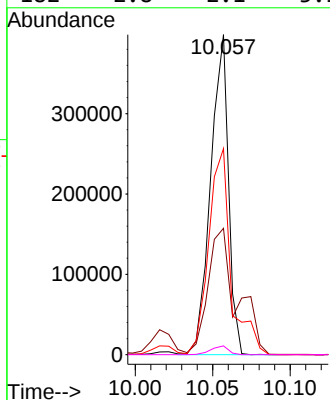
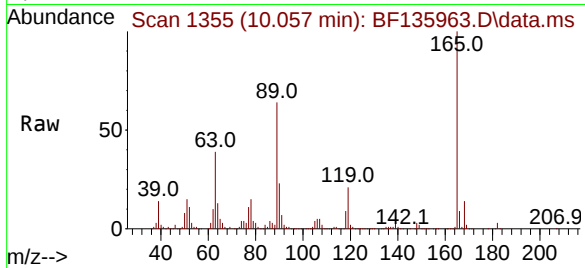




#57
2,4-Dinitrotoluene
Concen: 51.346 ng
RT: 10.057 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

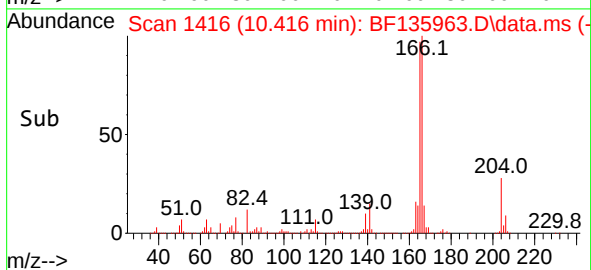
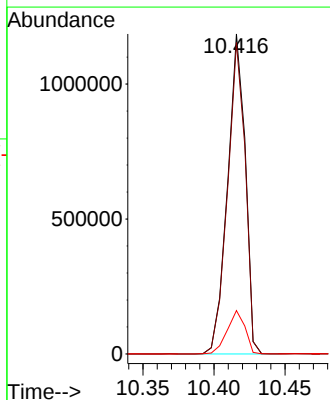
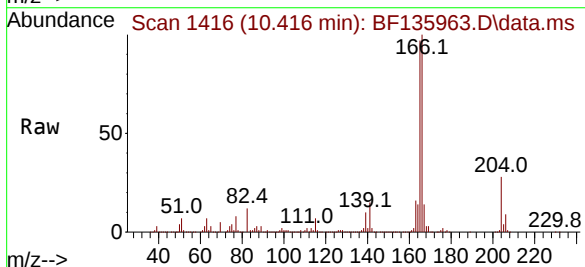
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

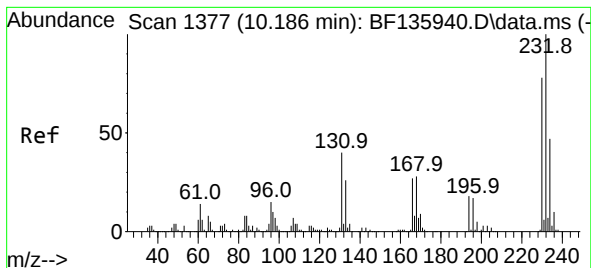
Tgt Ion:165 Resp: 318171
Ion Ratio Lower Upper
165 100
63 39.5 33.7 50.5
89 64.4 54.6 81.8
182 2.8 2.1 3.1



#58
Fluorene
Concen: 45.614 ng
RT: 10.416 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:166 Resp: 1030913
Ion Ratio Lower Upper
166 100
165 97.3 78.0 117.0
167 13.5 10.6 16.0

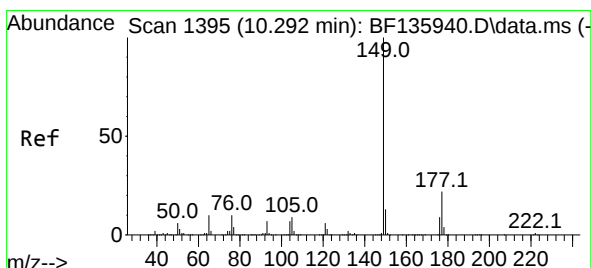
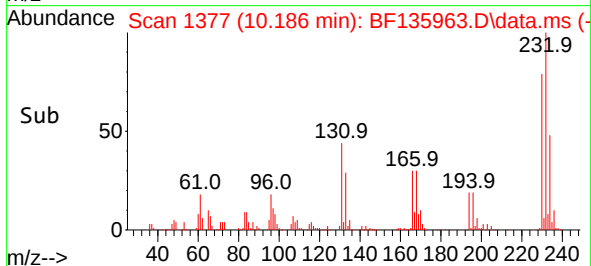
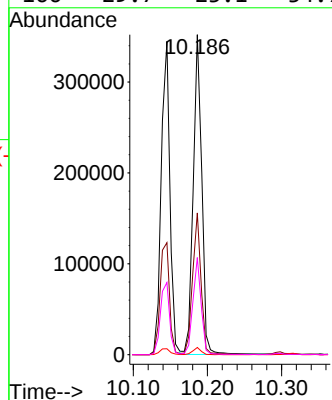
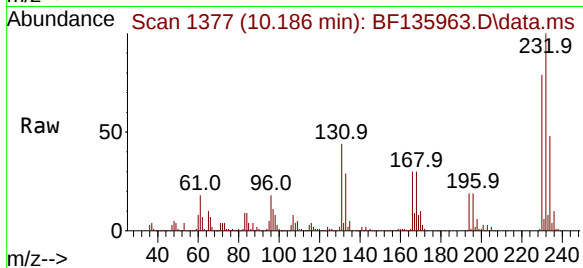




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.700 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

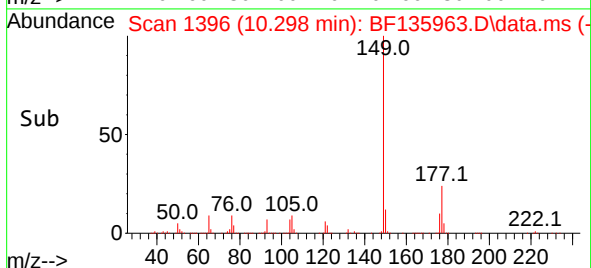
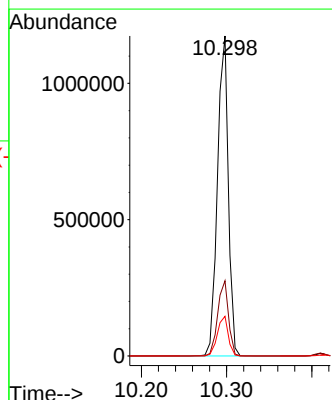
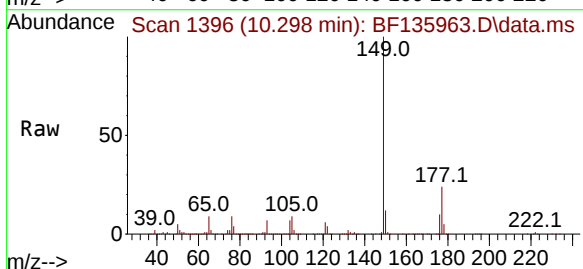
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

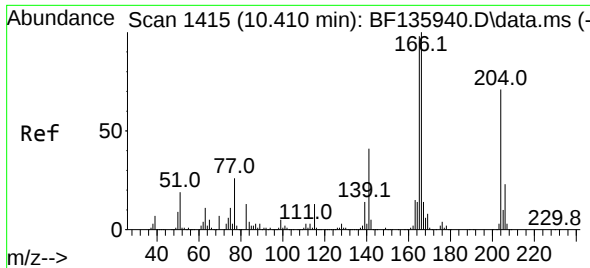
Tgt Ion:232 Resp: 281783
Ion Ratio Lower Upper
232 100
131 43.7 35.2 52.8
130 2.2 1.7 2.5
166 29.7 23.1 34.7



#60
Diethylphthalate
Concen: 45.734 ng
RT: 10.298 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:149 Resp: 1043677
Ion Ratio Lower Upper
149 100
177 23.5 17.9 26.9
150 12.4 10.2 15.2

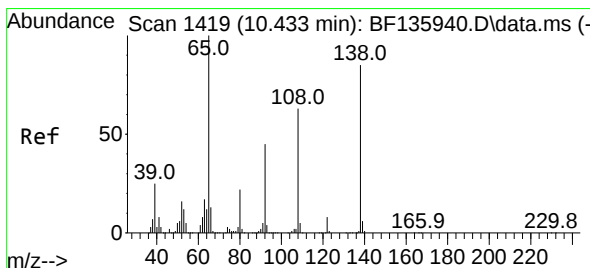
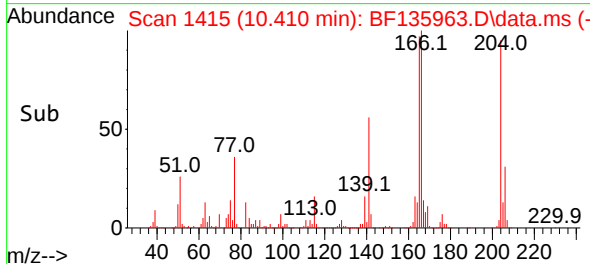
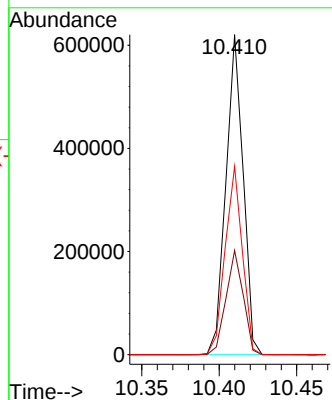
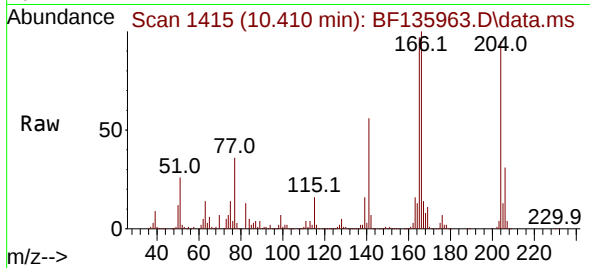




#61
4-Chlorophenyl-phenylether
Concen: 43.997 ng
RT: 10.410 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

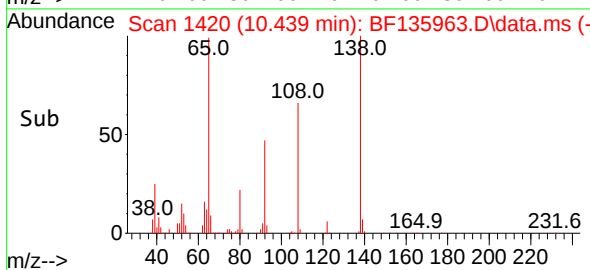
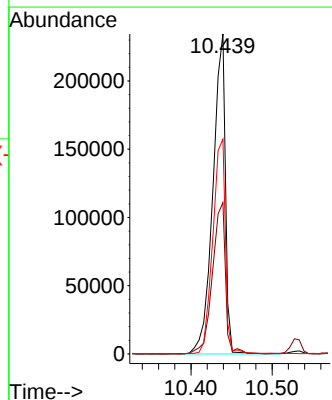
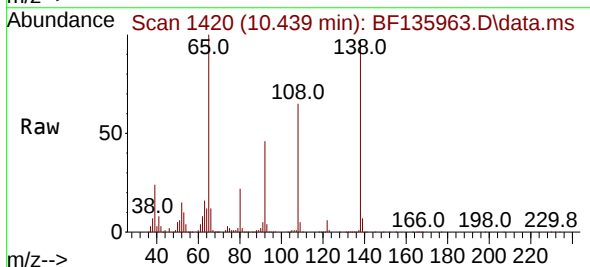
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

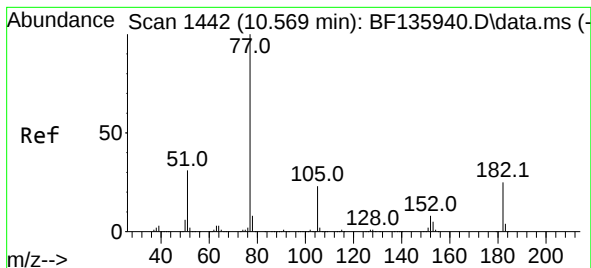
Tgt Ion:204 Resp: 479659
Ion Ratio Lower Upper
204 100
206 32.6 26.4 39.6
141 58.9 46.2 69.2



#62
4-Nitroaniline
Concen: 42.971 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:138 Resp: 249425
Ion Ratio Lower Upper
138 100
92 47.3 32.9 72.9
108 67.1 53.5 93.5





#63

Azobenzene

Concen: 44.610 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tgt Ion: 77 Resp: 1033124

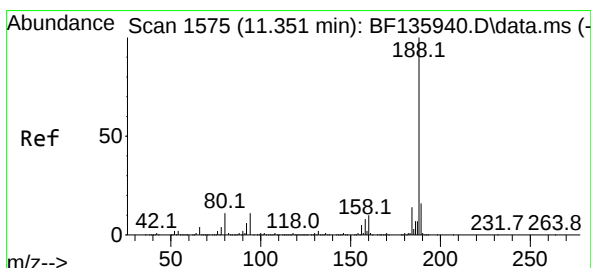
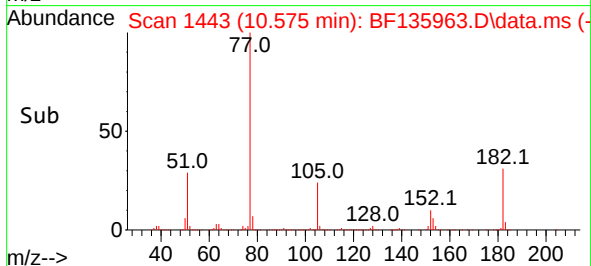
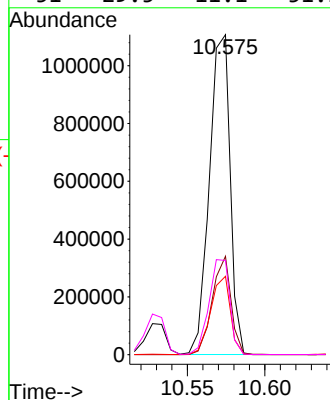
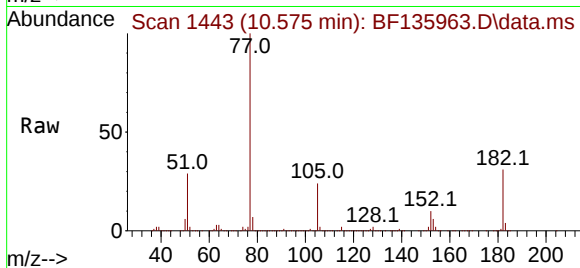
Ion Ratio Lower Upper

77 100

182 30.8 5.1 45.1

105 24.5 2.8 42.8

51 29.5 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

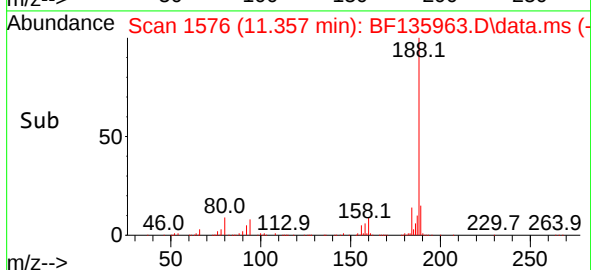
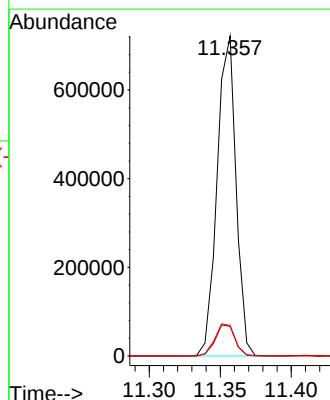
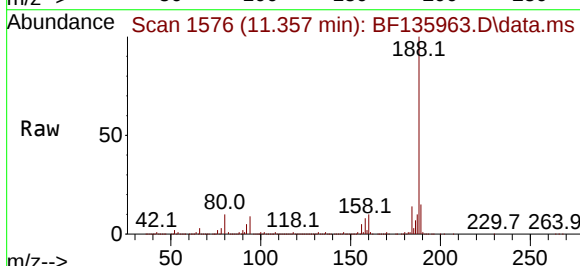
Tgt Ion: 188 Resp: 667502

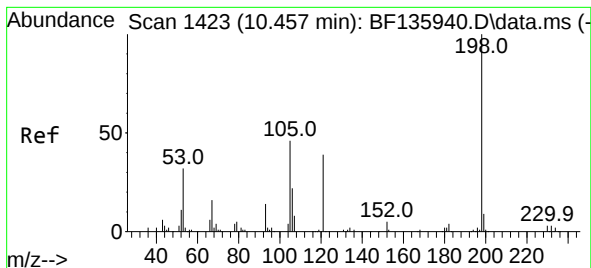
Ion Ratio Lower Upper

188 100

94 9.3 8.6 13.0

80 9.5 9.0 13.6

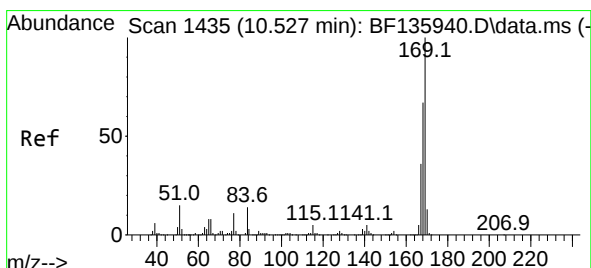
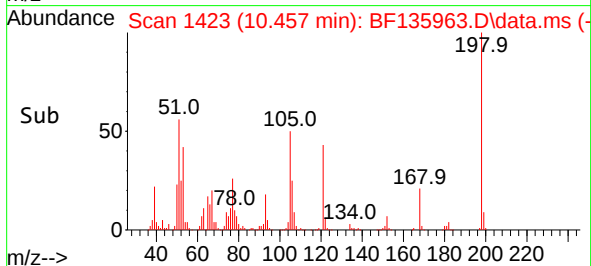
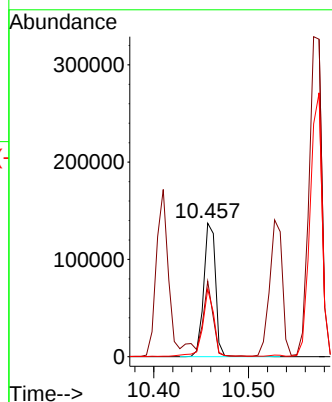
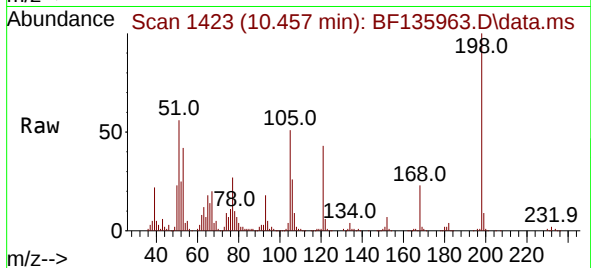




#65
4,6-Dinitro-2-methylphenol
Concen: 52.303 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

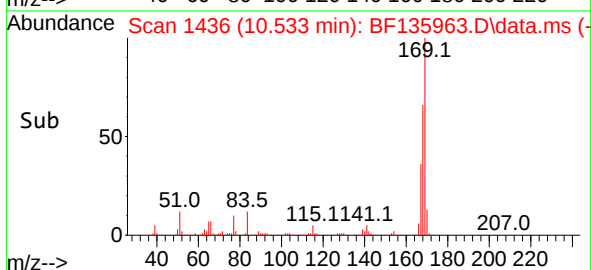
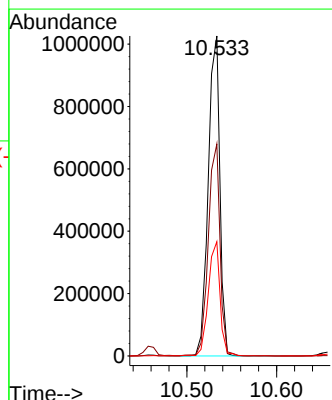
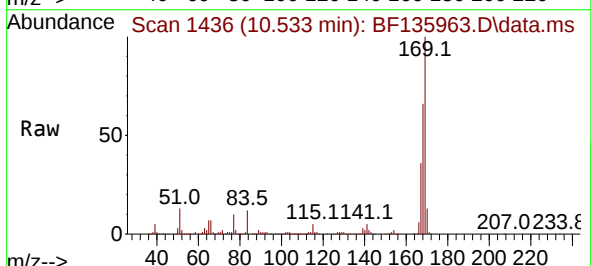
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

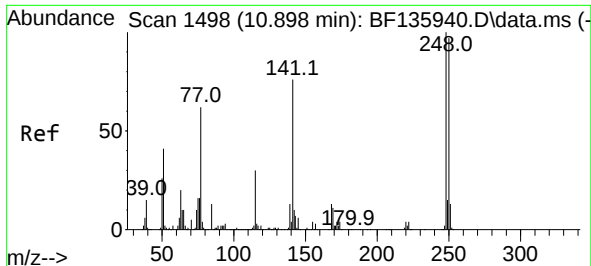
Tgt Ion:198 Resp: 118185
Ion Ratio Lower Upper
198 100
51 56.5 28.7 68.7
105 50.6 27.2 67.2



#66
n-Nitrosodiphenylamine
Concen: 45.718 ng
RT: 10.533 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:169 Resp: 921924
Ion Ratio Lower Upper
169 100
168 66.2 53.5 80.3
167 35.7 29.0 43.4

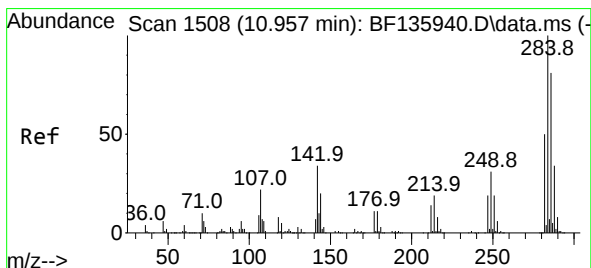
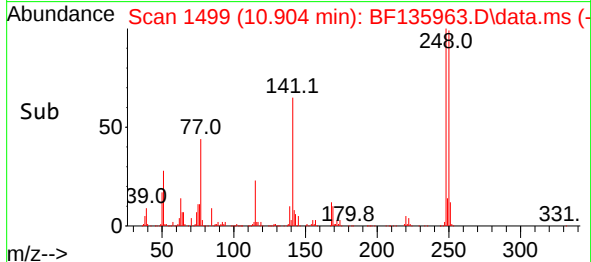
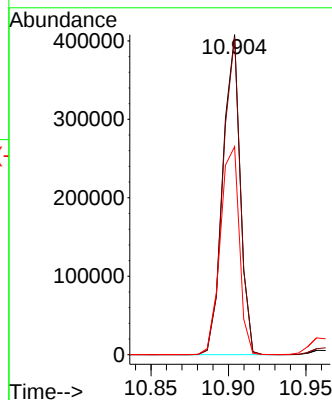
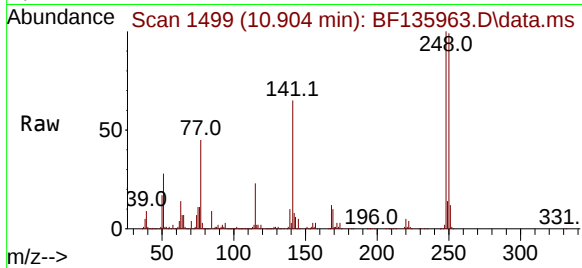




#67
4-Bromophenyl-phenylether
Concen: 46.626 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

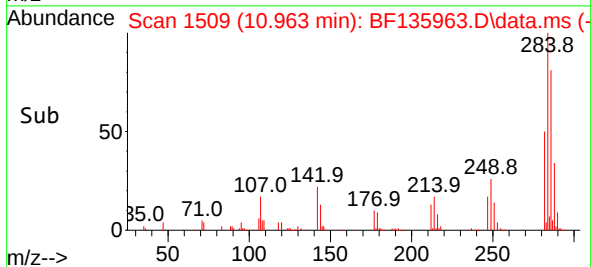
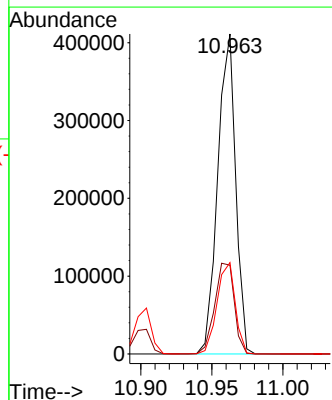
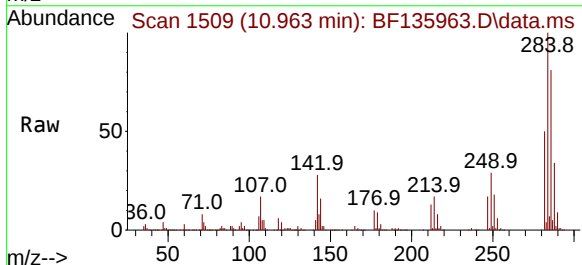
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

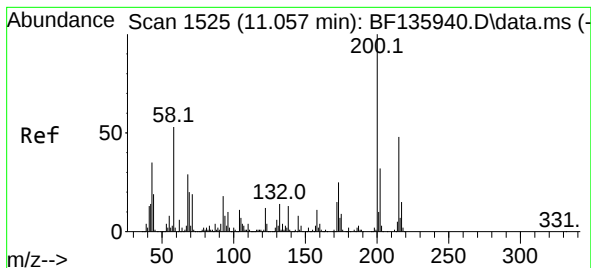
Tgt Ion:248 Resp: 318735
Ion Ratio Lower Upper
248 100
250 99.3 77.9 116.9
141 65.0 60.8 91.2



#68
Hexachlorobenzene
Concen: 49.408 ng
RT: 10.963 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:284 Resp: 360799
Ion Ratio Lower Upper
284 100
142 27.7 27.6 41.4
249 28.5 24.7 37.1





#69

Atrazine

Concen: 57.141 ng

RT: 11.063 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

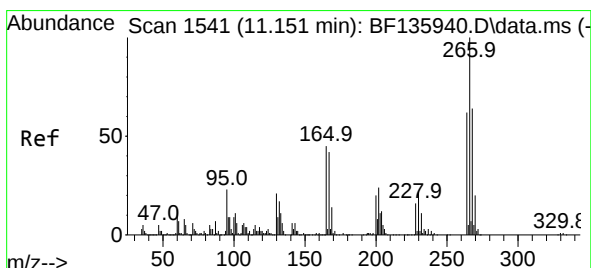
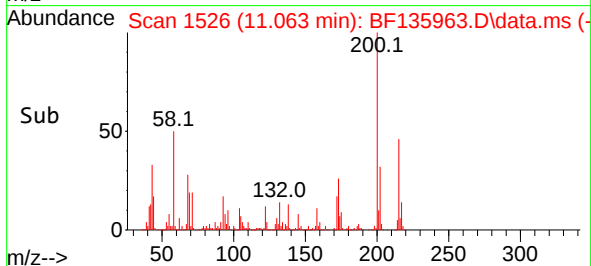
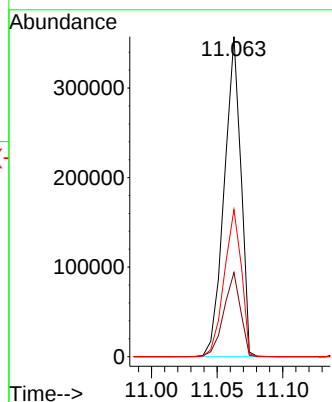
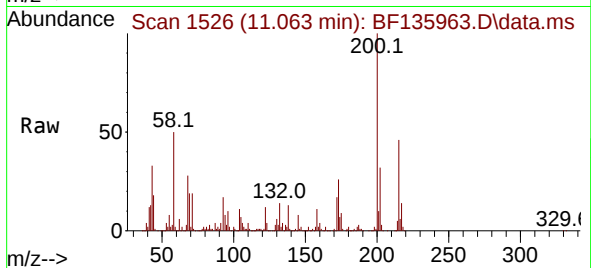
Tgt Ion:200 Resp: 314115

Ion Ratio Lower Upper

200 100

173 26.3 5.5 45.5

215 46.0 27.5 67.5



#70

Pentachlorophenol

Concen: 82.322 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

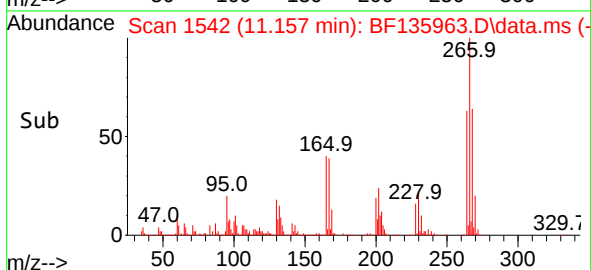
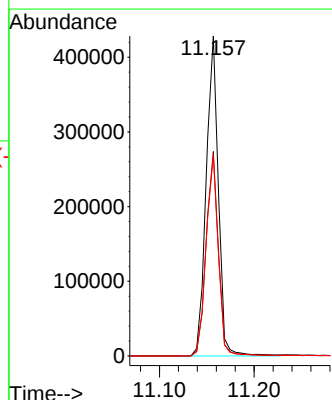
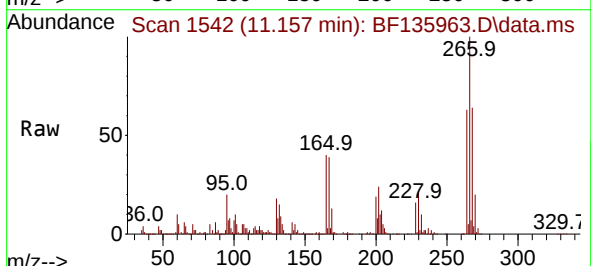
Tgt Ion:266 Resp: 381745

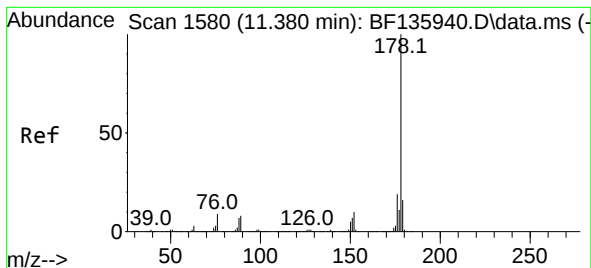
Ion Ratio Lower Upper

266 100

268 63.9 50.8 76.2

264 62.6 49.8 74.6





#71

Phenanthrene

Concen: 48.982 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

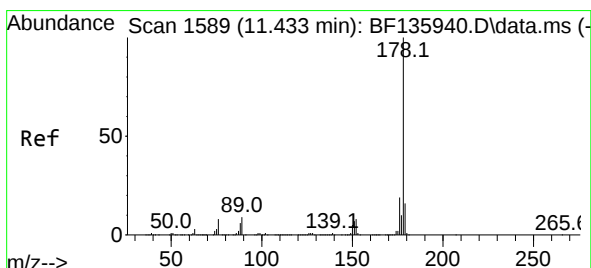
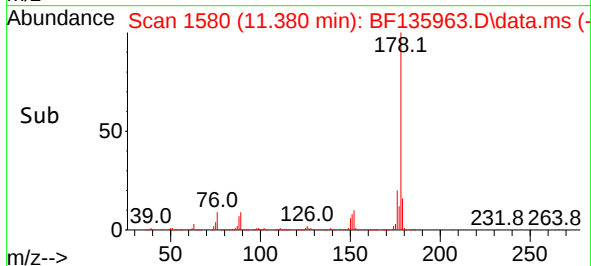
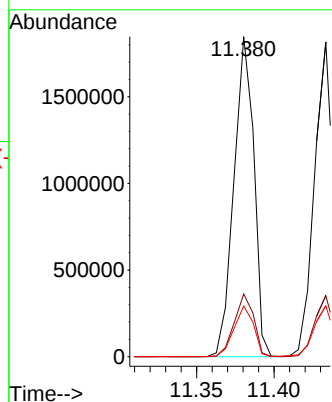
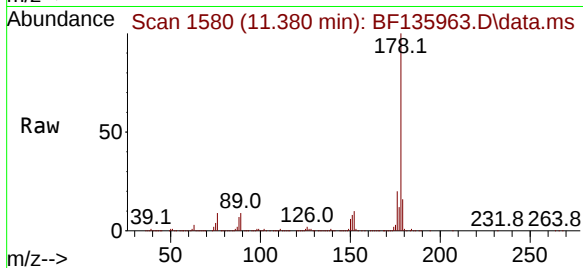
Tgt Ion:178 Resp: 1654151

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.9 12.5 18.7



#72

Anthracene

Concen: 44.847 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

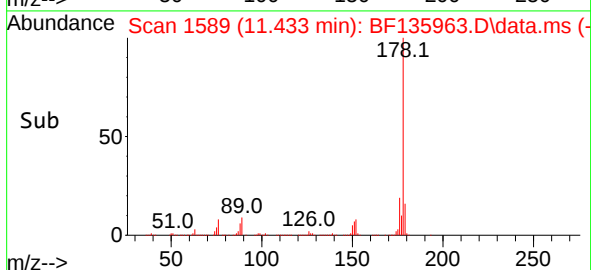
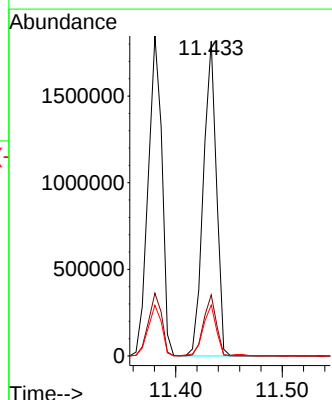
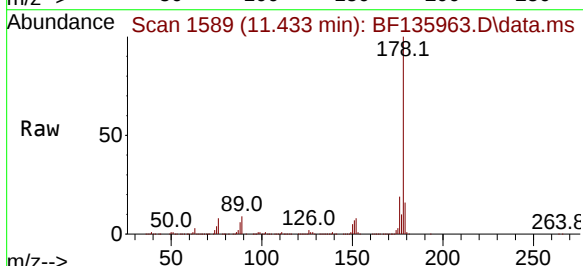
Tgt Ion:178 Resp: 1550749

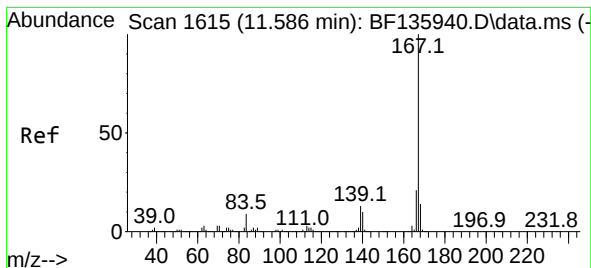
Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

179 16.1 12.5 18.7





#73

Carbazole

Concen: 44.092 ng

RT: 11.586 min Scan# 1615

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

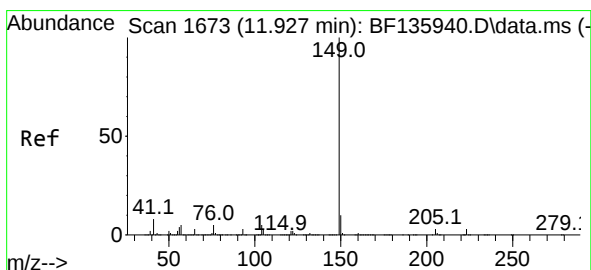
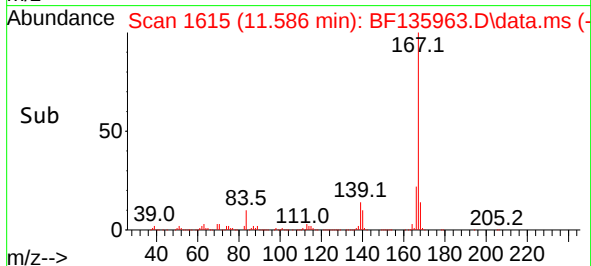
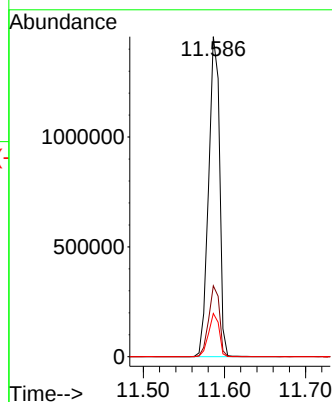
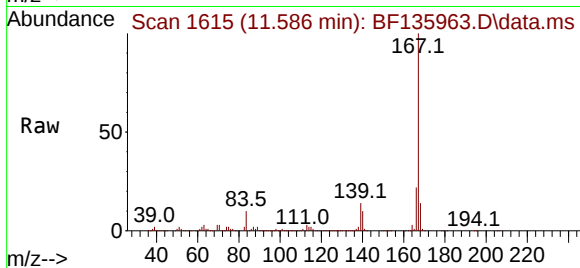
Tgt Ion:167 Resp: 1360049

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.6

139 13.5 10.4 15.6



#74

Di-n-butylphthalate

Concen: 48.087 ng

RT: 11.927 min Scan# 1673

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

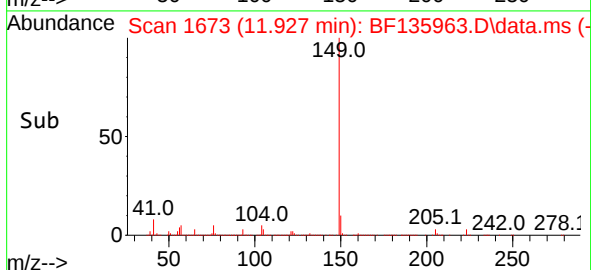
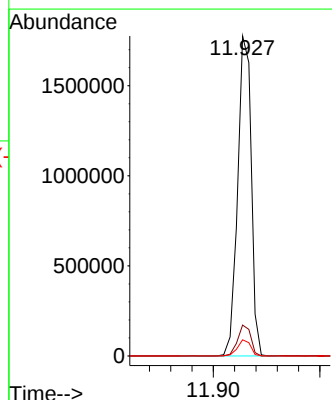
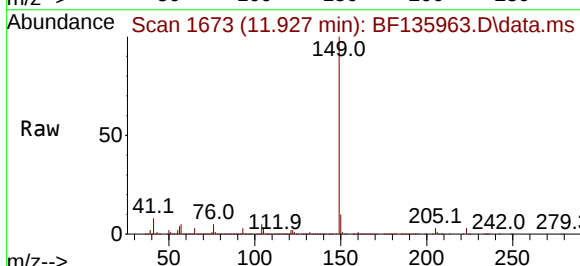
Tgt Ion:149 Resp: 1578393

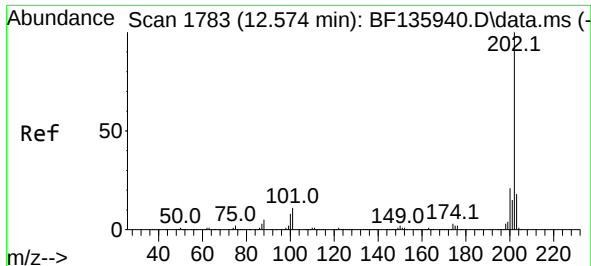
Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

104 5.0 3.9 5.9

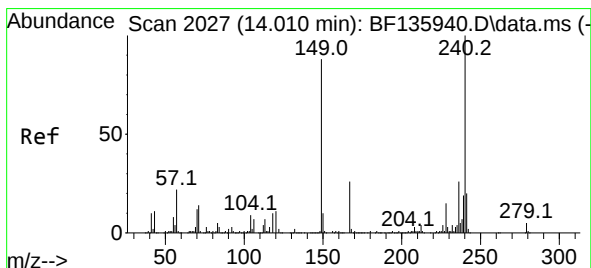
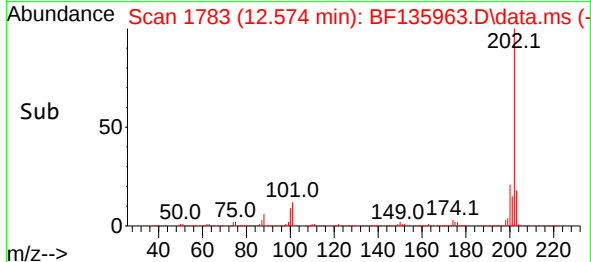
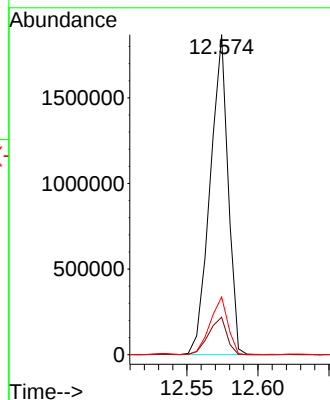
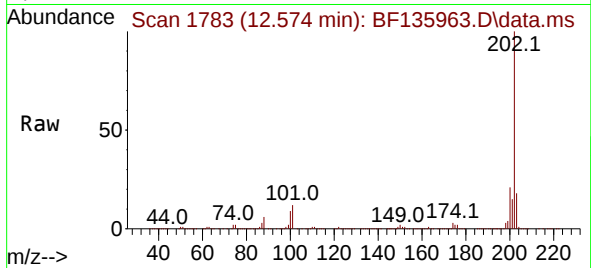




#75
Fluoranthene
Concen: 46.045 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

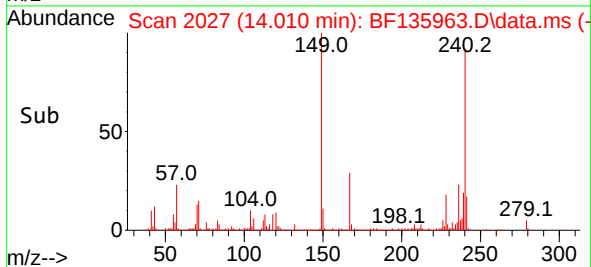
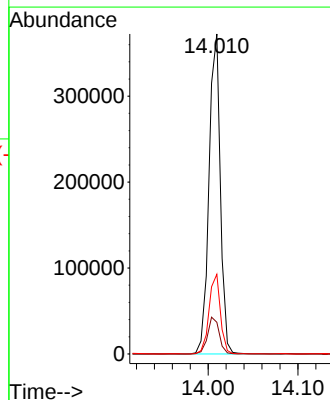
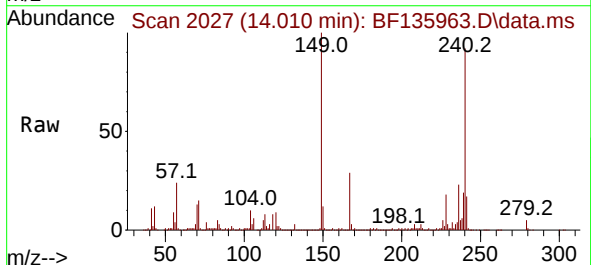
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

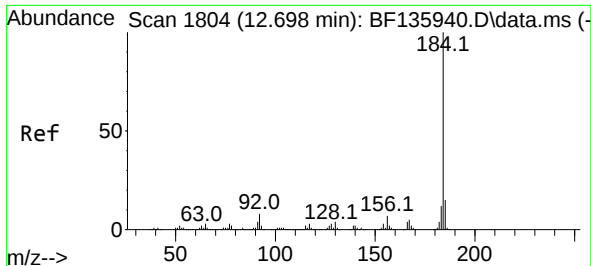
Tgt Ion:202 Resp: 1635916
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.6
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:240 Resp: 326160
Ion Ratio Lower Upper
240 100
120 9.9 8.6 13.0
236 24.9 20.6 30.8

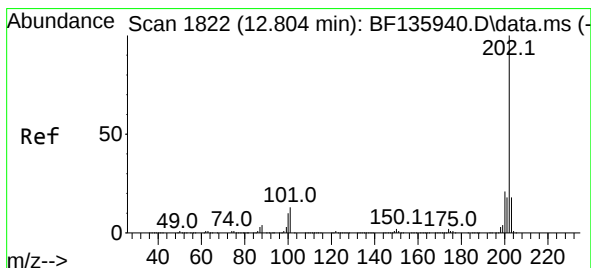
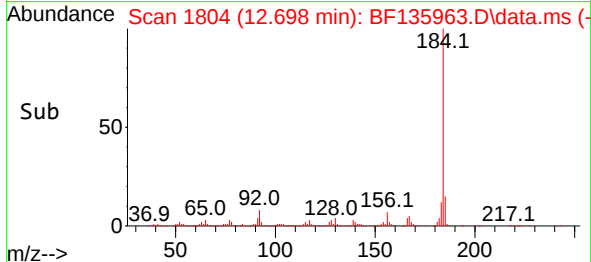
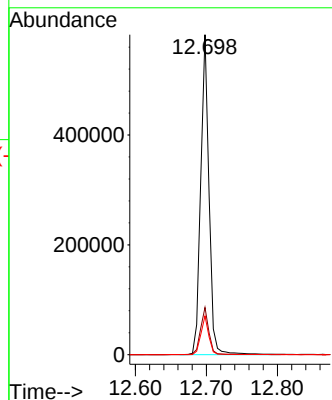
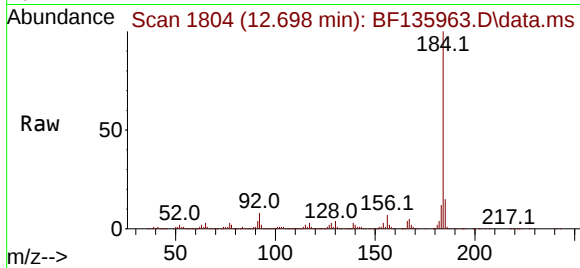




#77
Benzidine
Concen: 75.488 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

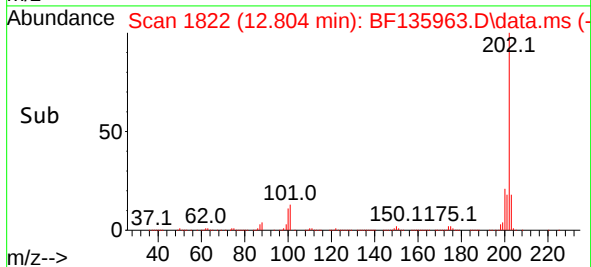
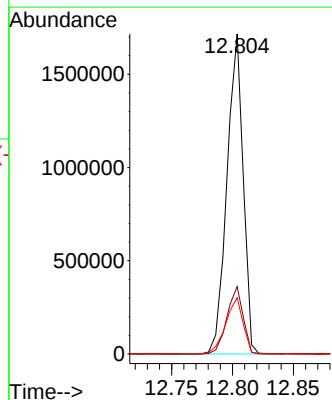
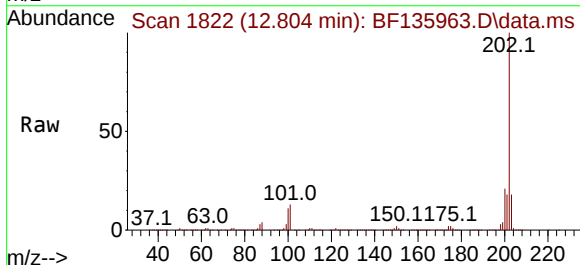
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

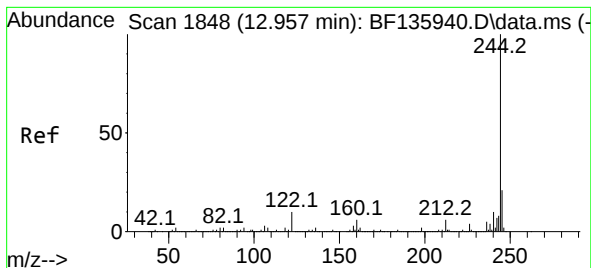
Tgt Ion:184 Resp: 474753
Ion Ratio Lower Upper
184 100
185 14.8 11.7 17.5
183 12.1 9.2 13.8



#78
Pyrene
Concen: 58.054 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:202 Resp: 1589857
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 17.6 14.5 21.7





#79

Terphenyl-d14

Concen: 69.680 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

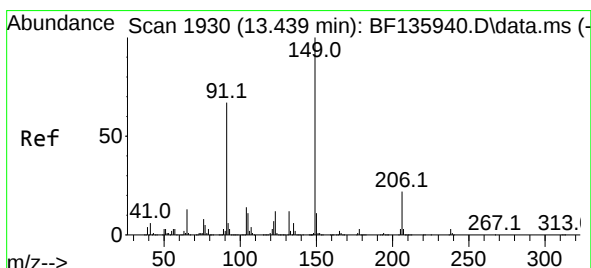
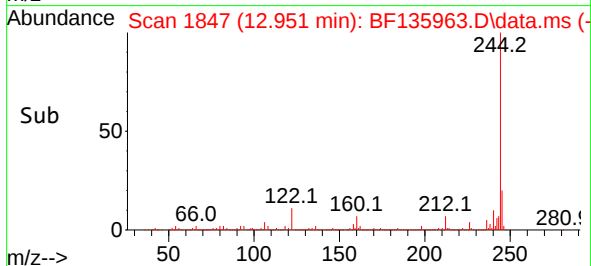
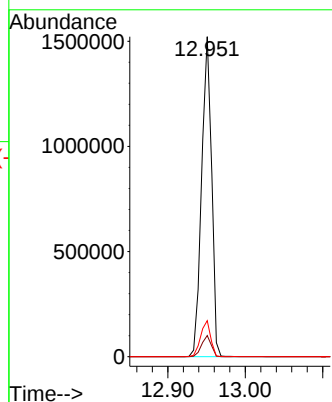
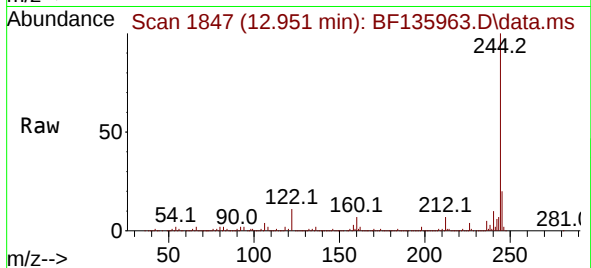
Tgt Ion:244 Resp: 1360264

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.6

122 11.2 8.0 12.0



#80

Butylbenzylphthalate

Concen: 49.613 ng

RT: 13.439 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

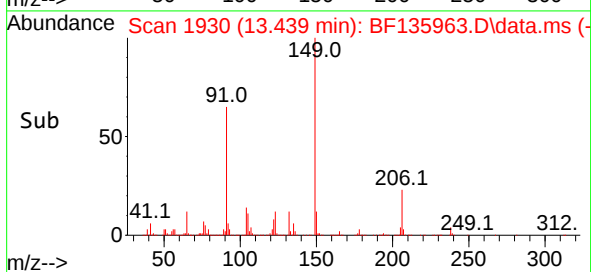
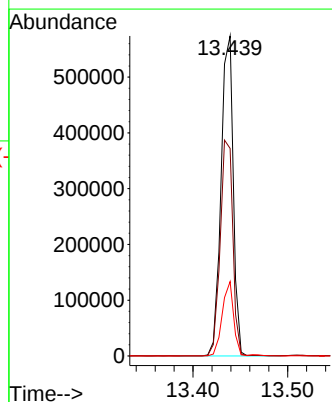
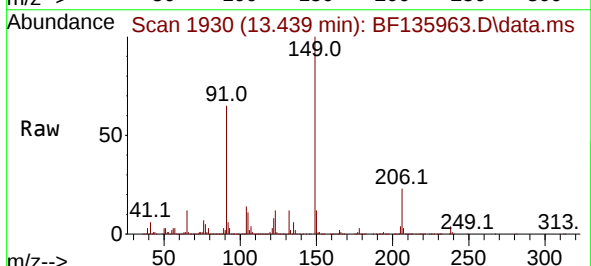
Tgt Ion:149 Resp: 514935

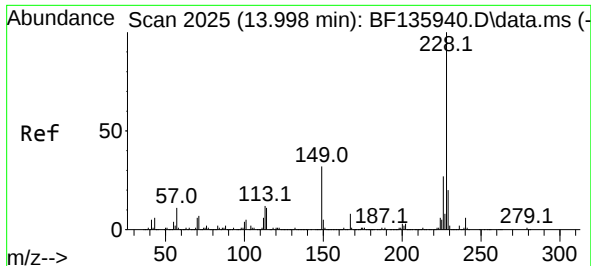
Ion Ratio Lower Upper

149 100

91 64.9 53.4 80.0

206 23.3 17.5 26.3

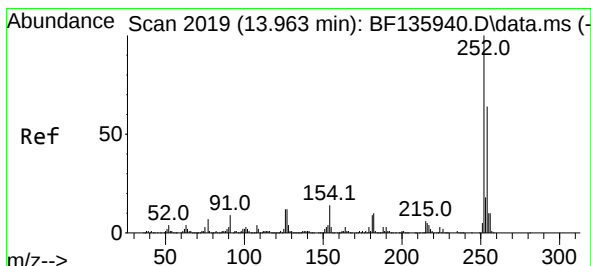
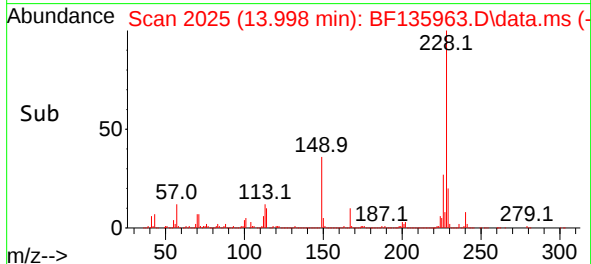
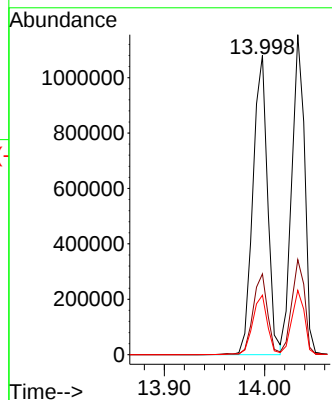
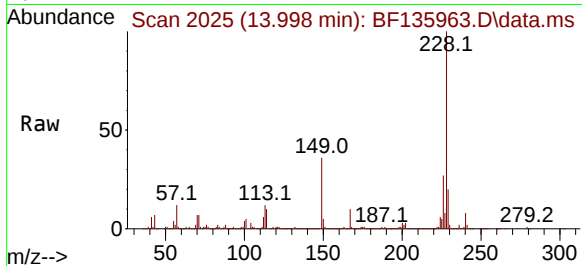




#81
Benzo(a)anthracene
Concen: 49.246 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

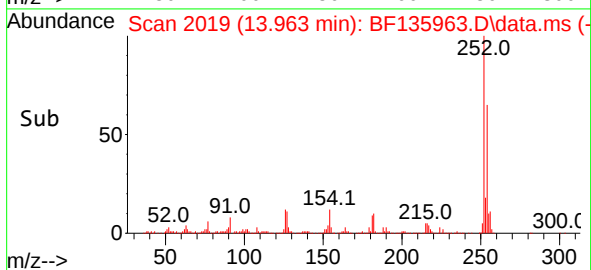
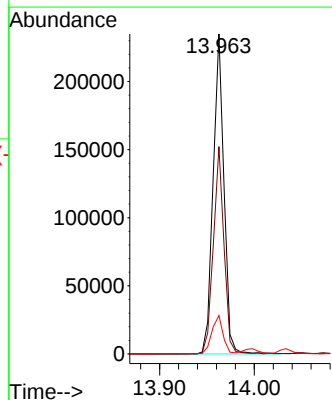
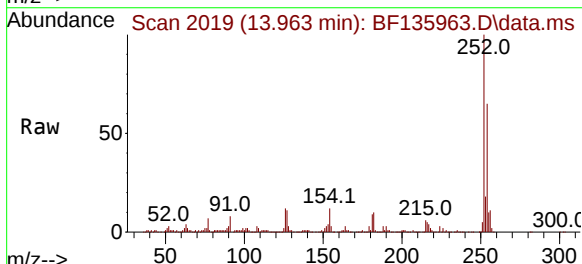
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

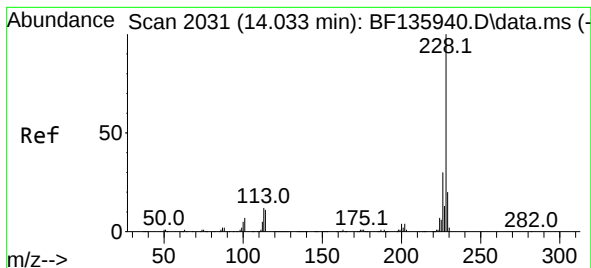
Tgt Ion:228 Resp: 1092139
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.6
229 19.9 16.2 24.4



#82
3,3'-Dichlorobenzidine
Concen: 27.670 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:252 Resp: 186689
Ion Ratio Lower Upper
252 100
254 64.8 50.9 76.3
126 12.0 9.8 14.6





#83

Chrysene

Concen: 47.361 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

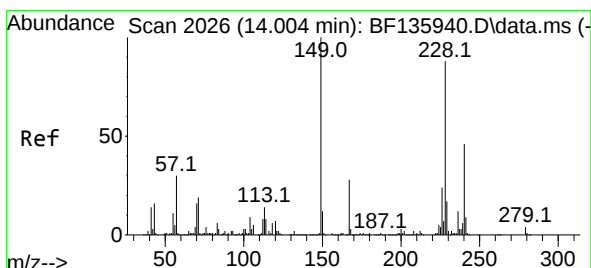
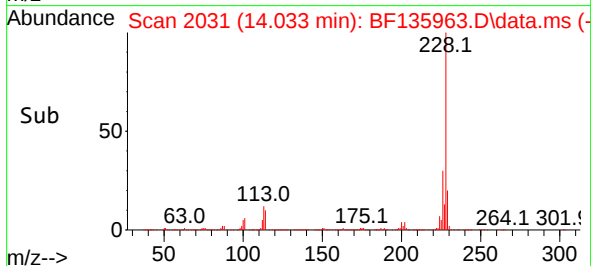
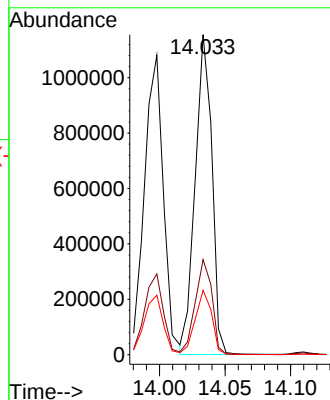
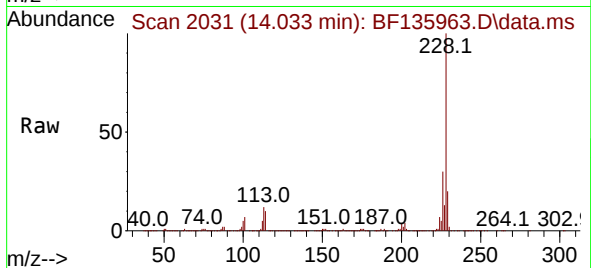
Tgt Ion:228 Resp: 1022971

Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 20.1 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.136 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

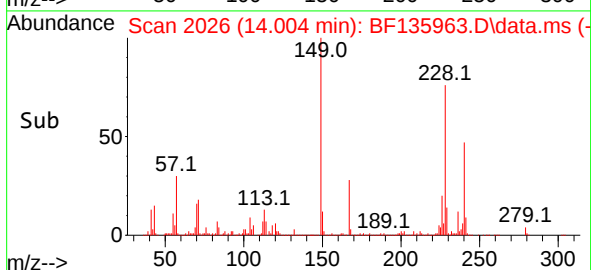
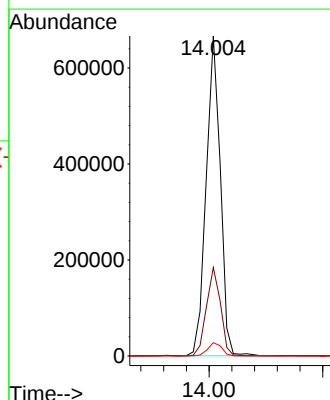
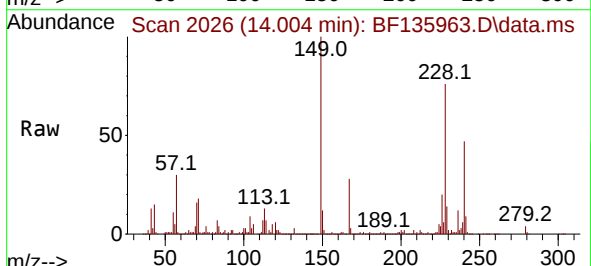
Tgt Ion:149 Resp: 575854

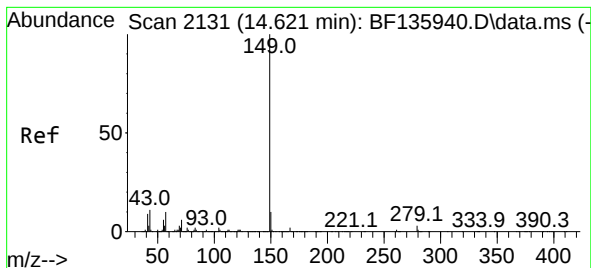
Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.2

279 4.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 56.198 ng

RT: 14.621 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

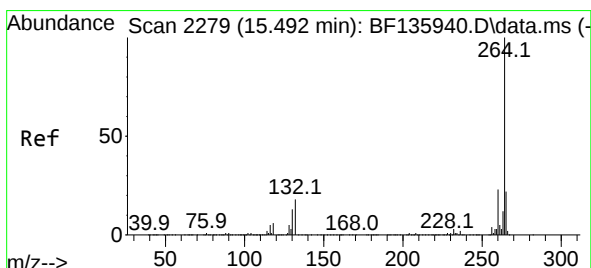
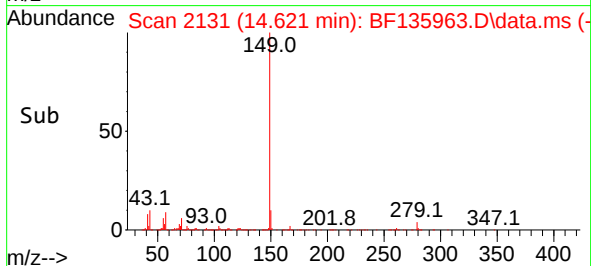
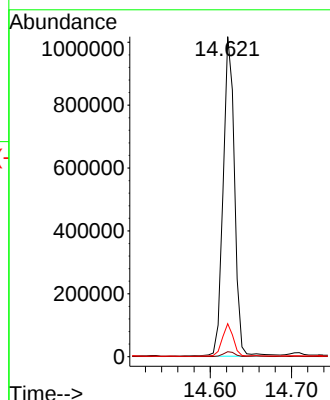
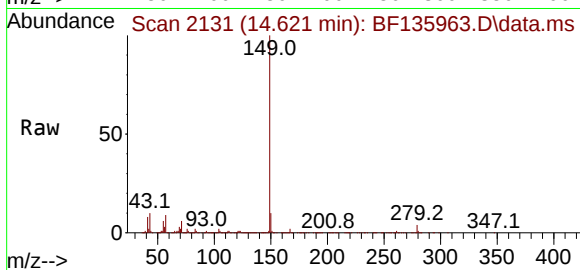
Tgt Ion:149 Resp: 996944

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 9.9 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

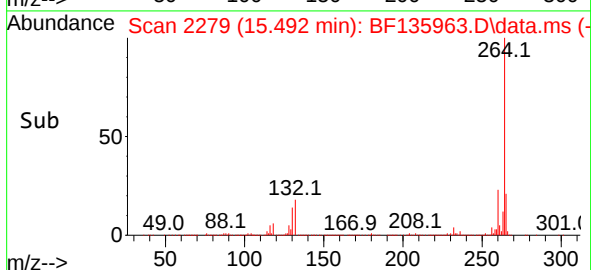
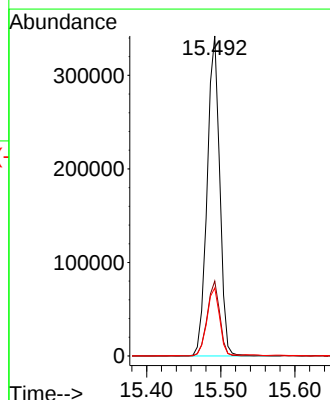
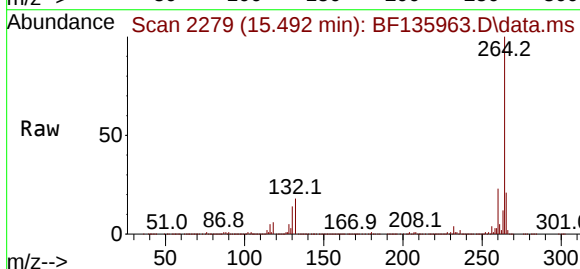
Tgt Ion:264 Resp: 402866

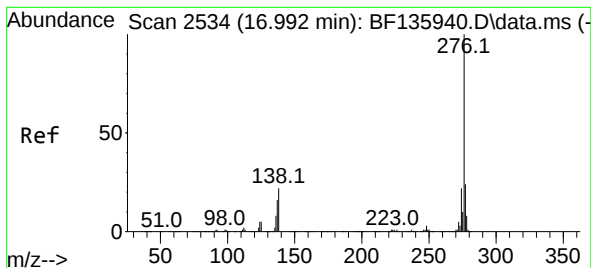
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.2 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.090 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

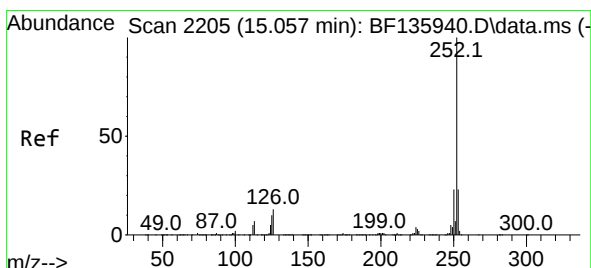
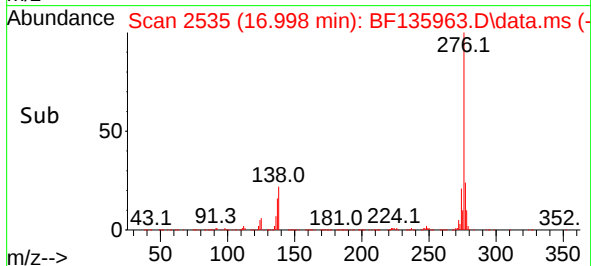
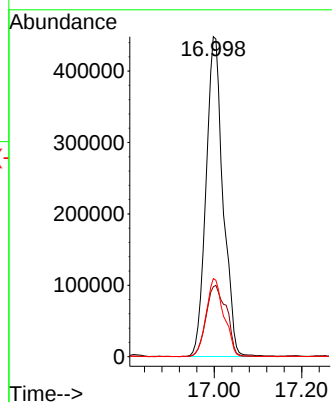
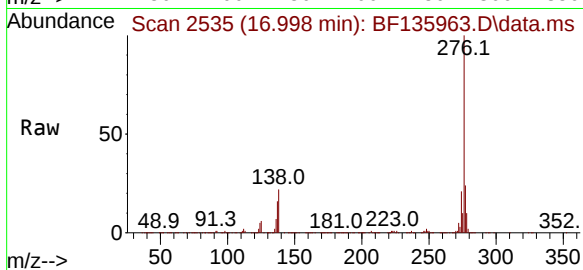
Tgt Ion:276 Resp: 1212792

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.6

277 25.5 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 48.671 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

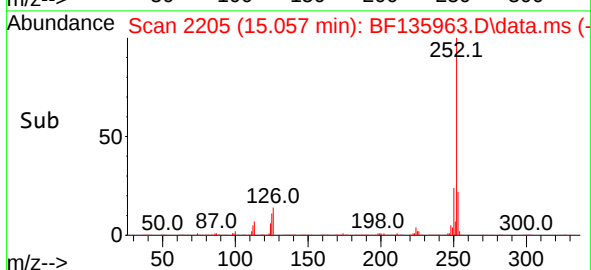
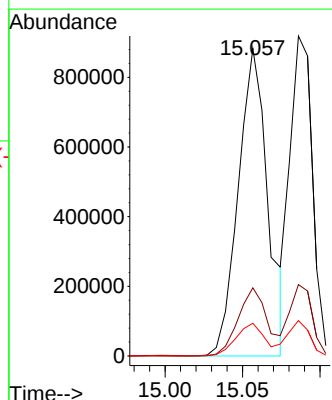
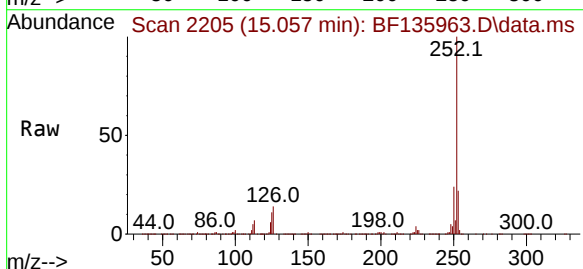
Tgt Ion:252 Resp: 1166913

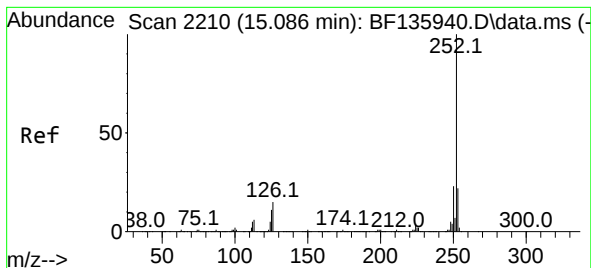
Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 10.6 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 39.299 ng

RT: 15.086 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

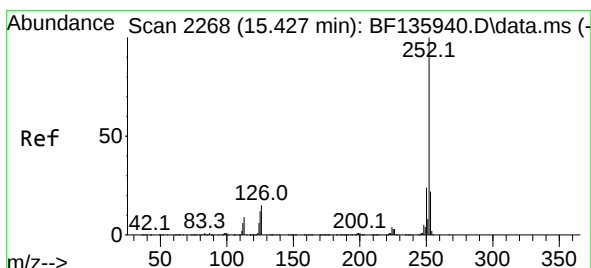
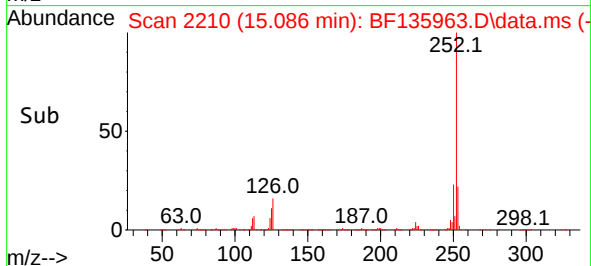
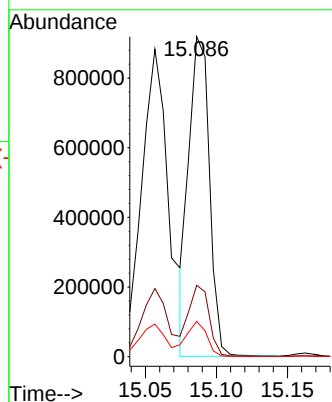
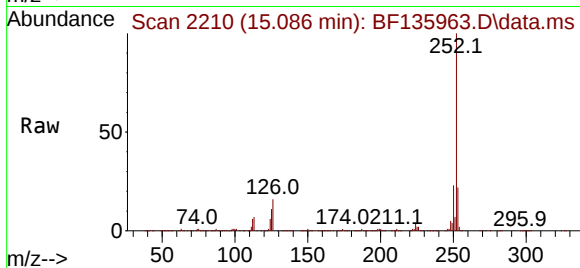
Tgt Ion:252 Resp: 925377

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.0 8.5 12.7



#90

Benzo(a)pyrene

Concen: 44.400 ng

RT: 15.427 min Scan# 2268

Delta R.T. 0.000 min

Lab File: BF135963.D

Acq: 26 Oct 2023 15:02

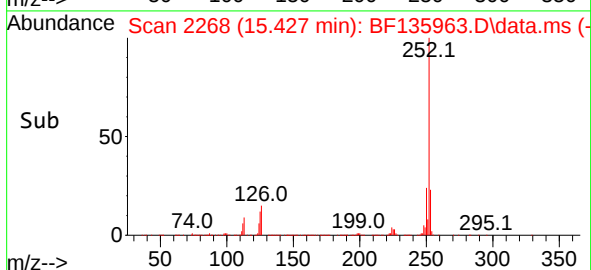
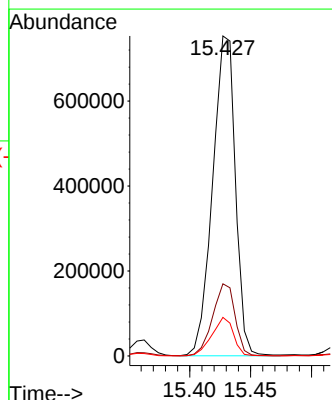
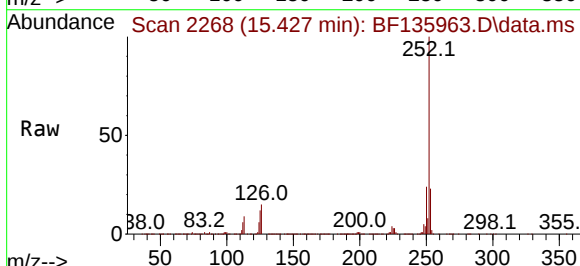
Tgt Ion:252 Resp: 981091

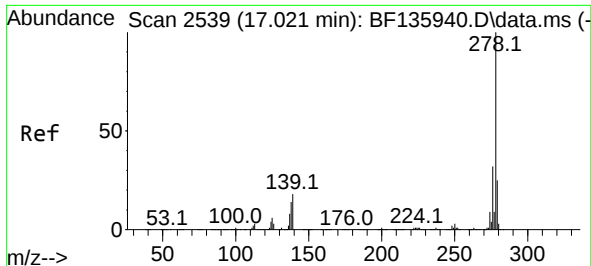
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 12.1 9.6 14.4

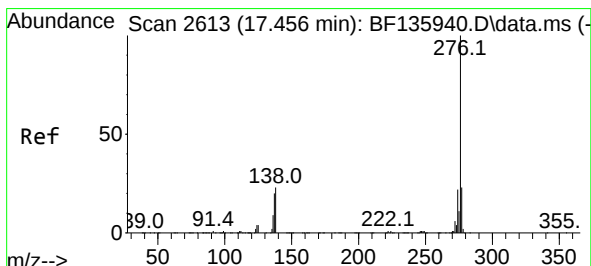
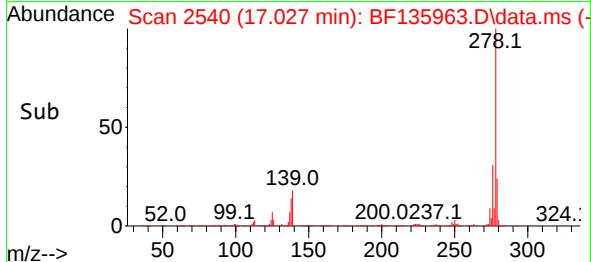
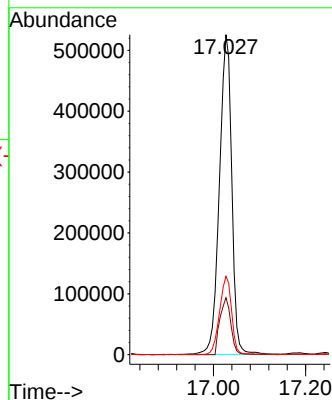
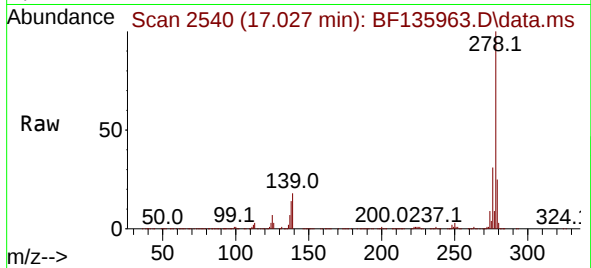




#91
Dibenzo(a,h)anthracene
Concen: 49.820 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tgt Ion:278 Resp: 973464
Ion Ratio Lower Upper
278 100
139 17.8 14.0 21.0
279 24.5 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 42.435 ng
RT: 17.462 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BF135963.D
Acq: 26 Oct 2023 15:02

Tgt Ion:276 Resp: 932255
Ion Ratio Lower Upper
276 100
277 23.7 18.6 28.0
138 24.0 18.4 27.6

