

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144021.D
 Acq On : 21 Oct 2025 19:28
 Operator : RC/JU
 Sample : Q3402-07MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-LBMS

Quant Time: Oct 22 11:11:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	97883	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	362327	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	171519	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	251833	20.000	ng	0.00
76) Chrysene-d12	14.063	240	215570	20.000	ng	0.00
86) Perylene-d12	15.545	264	288346	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	585874	95.048	ng	0.00
7) Phenol-d6	6.510	99	686364	93.419	ng	0.00
23) Nitrobenzene-d5	7.445	82	377645	63.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	128593	75.273	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	502594	46.495	ng	-0.01
79) Terphenyl-d14	12.998	244	427888	33.924	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	129896	45.540	ng	95
3) Pyridine	3.446	79	354264	42.664	ng	98
4) n-Nitrosodimethylamine	3.393	42	211667	48.457	ng	96
6) Aniline	6.545	93	389317	35.361	ng	99
8) 2-Chlorophenol	6.669	128	291589	48.395	ng	96
9) Benzaldehyde	6.434	77	156751	27.657	ng	97
10) Phenol	6.522	94	435371	49.566	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	326113	48.062	ng	97
12) 1,3-Dichlorobenzene	6.822	146	349785	48.498	ng	99
13) 1,4-Dichlorobenzene	6.898	146	360908	50.729	ng	99
14) 1,2-Dichlorobenzene	7.051	146	339575	49.832	ng	99
15) Benzyl Alcohol	7.022	79	273254	49.638	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	749548	48.531	ng	100
17) 2-Methylphenol	7.134	107	232802	46.752	ng	99
18) Hexachloroethane	7.392	117	112145	47.266	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	226038	44.946	ng	98
20) 3+4-Methylphenols	7.287	107	274080	47.491	ng	# 68
22) Acetophenone	7.292	105	407740	53.222	ng	99
24) Nitrobenzene	7.463	77	334164	50.456	ng	95
25) Isophorone	7.698	82	596412	47.429	ng	99
26) 2-Nitrophenol	7.781	139	156979	55.286	ng	99
27) 2,4-Dimethylphenol	7.816	122	277081	54.248	ng	95
28) bis(2-Chloroethoxy)met...	7.910	93	390627	49.176	ng	98
29) 2,4-Dichlorophenol	8.022	162	251894	47.345	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	265404	50.722	ng	99
31) Naphthalene	8.187	128	789939	47.927	ng	99
32) Benzoic acid	7.928	122	183795	51.994	ng	97
33) 4-Chloroaniline	8.234	127	112990	18.279	ng	97
34) Hexachlorobutadiene	8.304	225	173151	47.621	ng	99
35) Caprolactam	8.598	113	80902	47.824	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	228368	44.685	ng	99
37) 2-Methylnaphthalene	8.875	142	467991	42.626	ng	99
38) 1-Methylnaphthalene	8.975	142	470146	44.148	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	272902	57.568	ng	98
41) Hexachlorocyclopentadiene	9.034	237	205343	104.412	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	175339	50.621	ng	98

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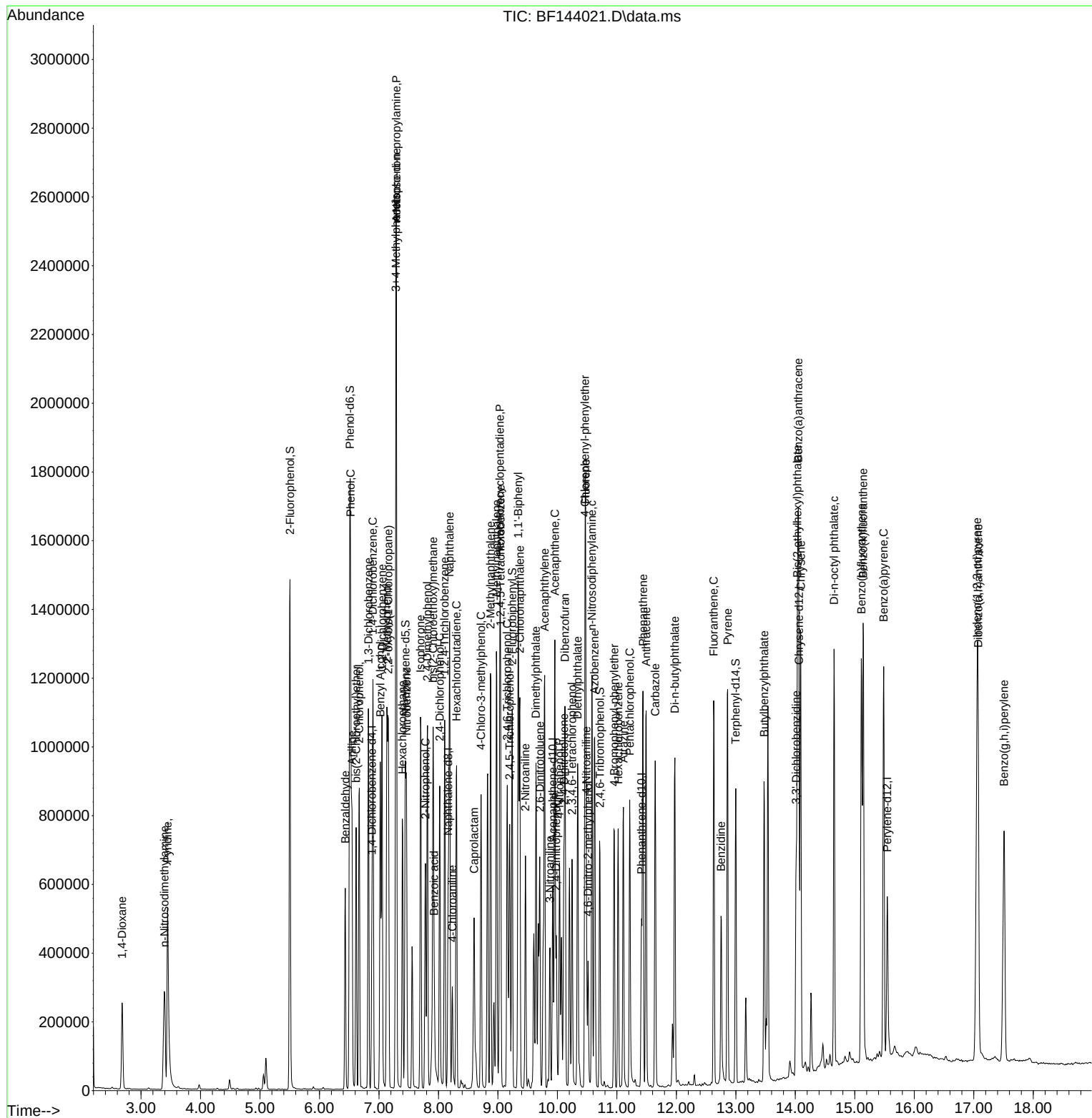
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	181781	49.662	ng	99
46) 1,1'-Biphenyl	9.339	154	649183	57.166	ng	98
47) 2-Chloronaphthalene	9.369	162	490643	51.820	ng	96
48) 2-Nitroaniline	9.463	65	163271	54.543	ng	98
49) Acenaphthylene	9.786	152	760218	57.112	ng	99
50) Dimethylphthalate	9.639	163	567160	52.070	ng	99
51) 2,6-Dinitrotoluene	9.704	165	117859	58.353	ng	95
52) Acenaphthene	9.957	154	443420	50.838	ng	98
53) 3-Nitroaniline	9.875	138	88035	35.597	ng	98
54) 2,4-Dinitrophenol	9.981	184	94795	76.428	ng	94
55) Dibenzofuran	10.128	168	595679	48.381	ng	99
56) 4-Nitrophenol	10.033	139	159580	85.222	ng	98
57) 2,4-Dinitrotoluene	10.110	165	153965	56.026	ng	96
58) Fluorene	10.475	166	453015	48.761	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	119888	46.270	ng	99
60) Diethylphthalate	10.339	149	504158	49.823	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	233202	47.478	ng	99
62) 4-Nitroaniline	10.486	138	109876	46.202	ng	91
63) Azobenzene	10.622	77	549618	51.970	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	72380	57.194	ng	98
66) n-Nitrosodiphenylamine	10.580	169	438535	55.459	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	137013	49.230	ng	96
68) Hexachlorobenzene	11.022	284	154149	47.842	ng	99
69) Atrazine	11.110	200	128608	53.661	ng	98
70) Pentachlorophenol	11.216	266	154905	83.709	ng	98
71) Phenanthrene	11.439	178	626490	51.314	ng	100
72) Anthracene	11.492	178	630911	51.152	ng	99
73) Carbazole	11.645	167	553053	50.629	ng	98
74) Di-n-butylphthalate	11.975	149	682358	53.897	ng	99
75) Fluoranthene	12.627	202	667503	52.931	ng	98
77) Benzidine	12.751	184	313101	41.830	ng	97
78) Pyrene	12.863	202	692293	38.521	ng	99
80) Butylbenzylphthalate	13.474	149	286154	49.027	ng	100
81) Benzo(a)anthracene	14.051	228	739023	52.387	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	200747	46.695	ng	98
83) Chrysene	14.092	228	700802	53.675	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	410102	58.288	ng	99
85) Di-n-octyl phthalate	14.651	149	785742	67.995	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	861279	48.747	ng	98
88) Benzo(b)fluoranthene	15.110	252	829420	50.075	ng	100
89) Benzo(k)fluoranthene	15.139	252	726742	47.417	ng	99
90) Benzo(a)pyrene	15.486	252	758262	52.796	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	686996	48.346	ng	98
92) Benzo(g,h,i)perylene	17.509	276	661800	46.573	ng	98

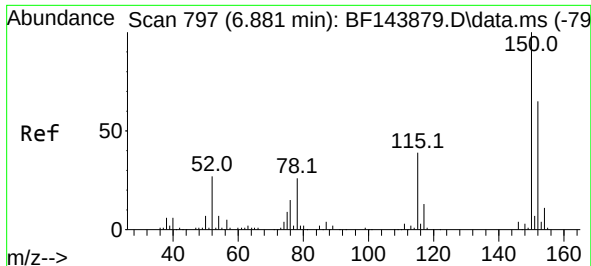
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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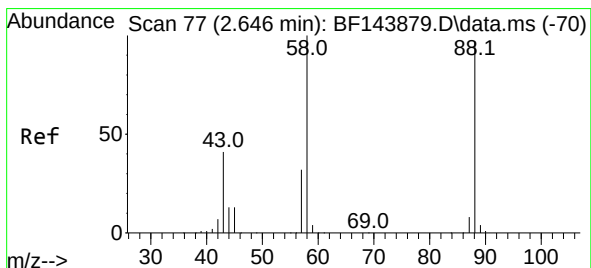
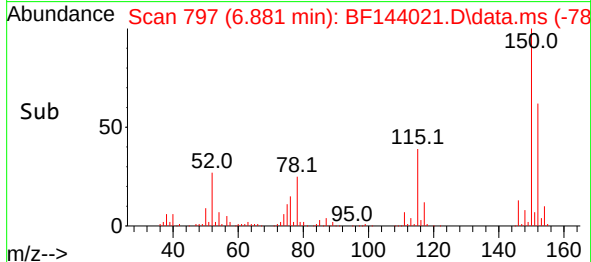
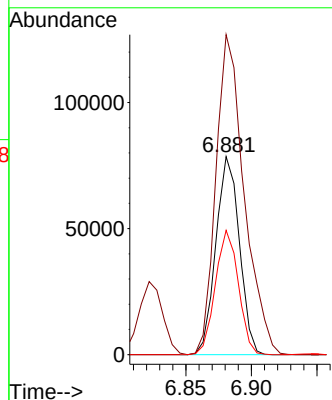
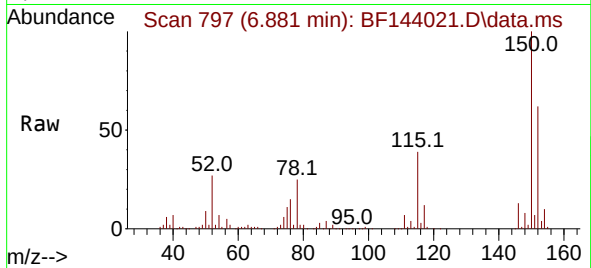




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

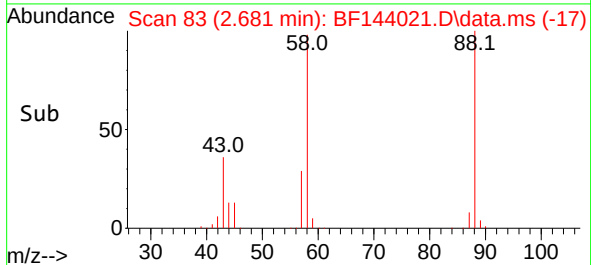
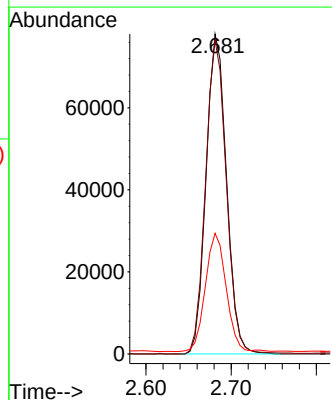
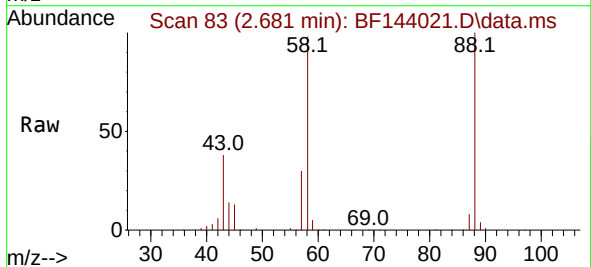
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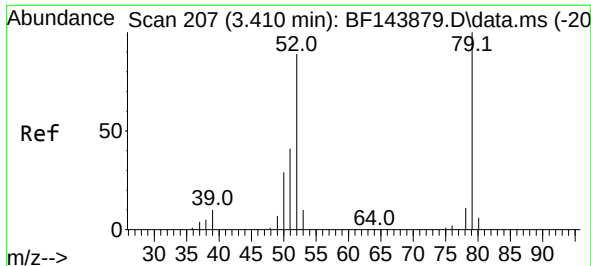
Tgt Ion:152 Resp: 97883
 Ion Ratio Lower Upper
 152 100
 150 161.5 124.4 186.6
 115 62.7 48.1 72.1



#2
 1,4-Dioxane
 Concen: 45.540 ng
 RT: 2.681 min Scan# 83
 Delta R.T. 0.035 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

Tgt Ion: 88 Resp: 129896
 Ion Ratio Lower Upper
 88 100
 58 99.6 83.0 124.6
 43 37.7 33.9 50.9

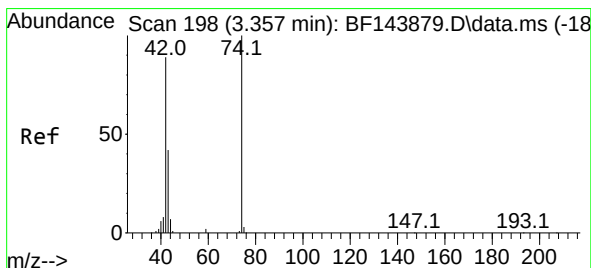
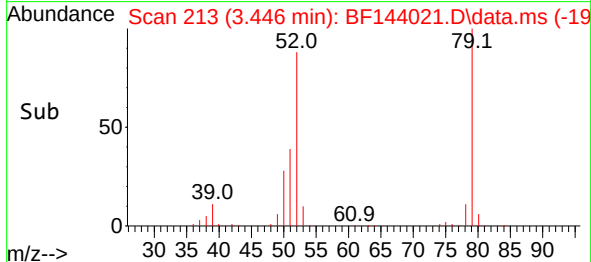
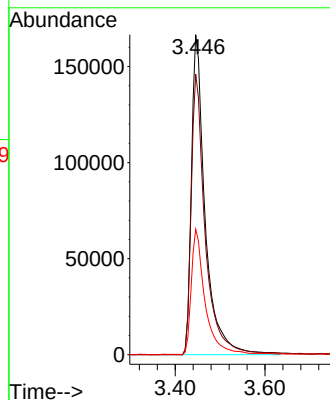
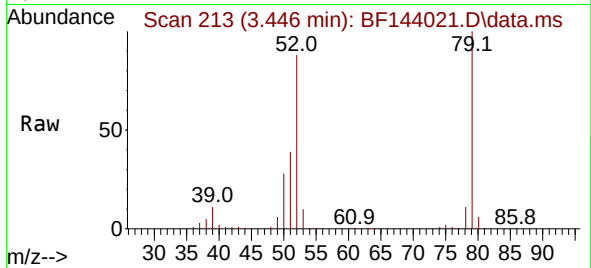




#3
Pyridine
Concen: 42.664 ng
RT: 3.446 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

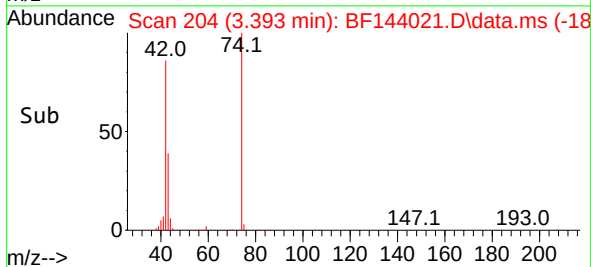
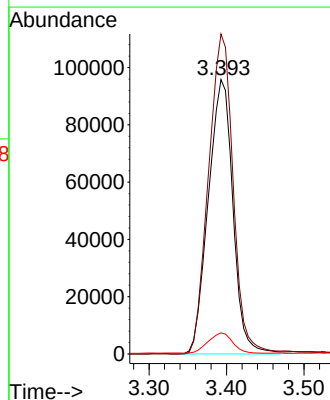
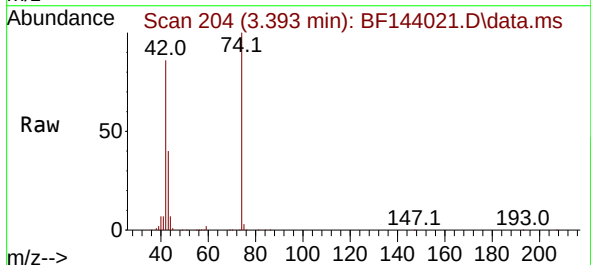
Instrument :
BNA_F
ClientSampleId :
41-LBMS

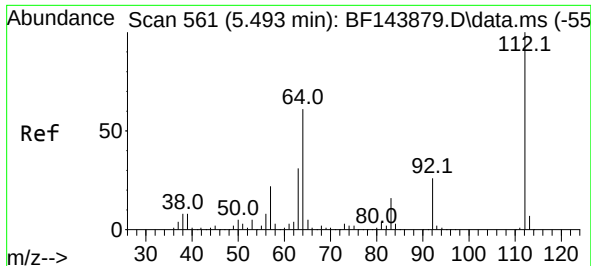
Tgt Ion: 79 Resp: 354264
Ion Ratio Lower Upper
79 100
52 87.6 71.5 107.3
51 39.2 32.9 49.3



#4
n-Nitrosodimethylamine
Concen: 48.457 ng
RT: 3.393 min Scan# 204
Delta R.T. 0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 42 Resp: 211667
Ion Ratio Lower Upper
42 100
74 116.6 90.0 135.0
44 7.7 6.2 9.2

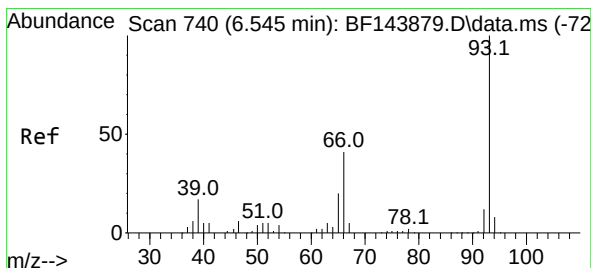
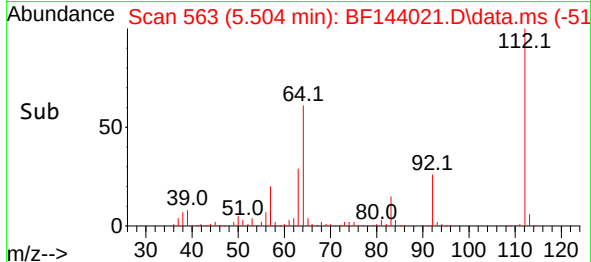
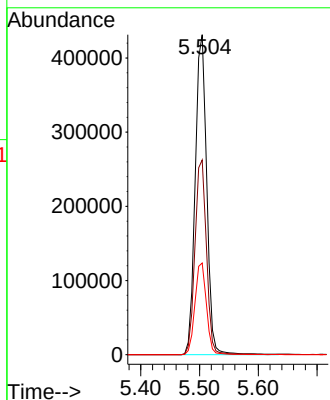
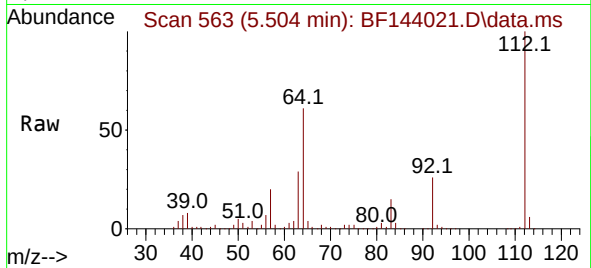




#5
2-Fluorophenol
Concen: 95.048 ng
RT: 5.504 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

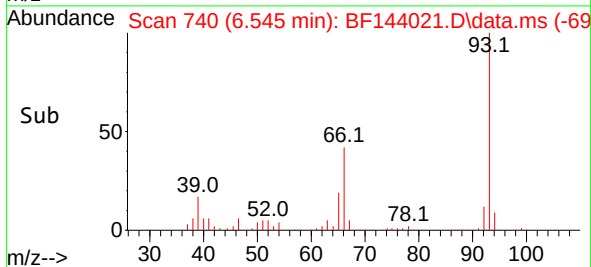
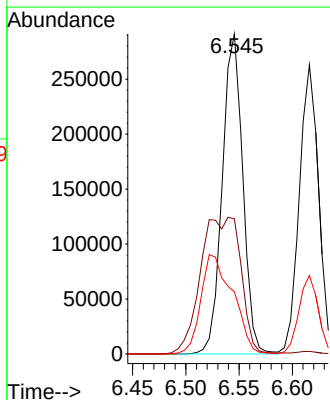
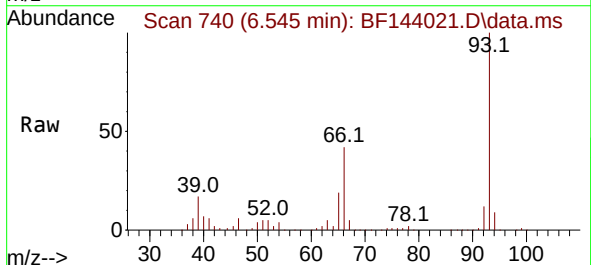
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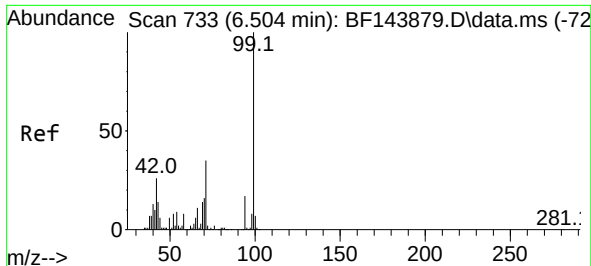
Tgt Ion:112 Resp: 585874
Ion Ratio Lower Upper
112 100
64 60.9 49.1 73.7
63 28.7 24.5 36.7



#6
Aniline
Concen: 35.361 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 93 Resp: 389317
Ion Ratio Lower Upper
93 100
66 42.3 33.0 49.6
65 19.4 15.8 23.8





#7

Phenol-d6

Concen: 93.419 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

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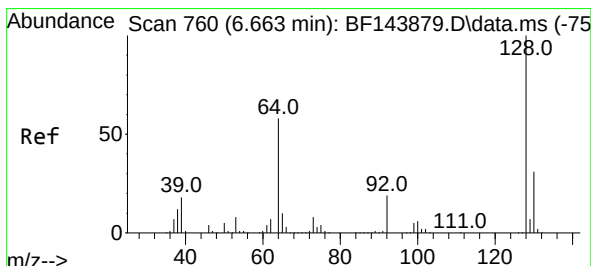
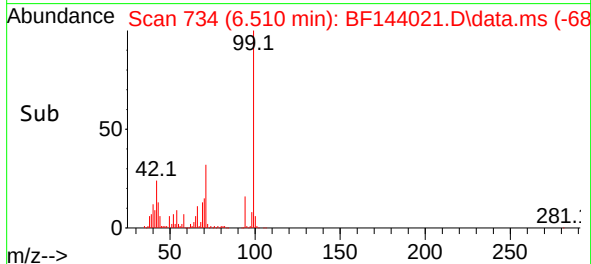
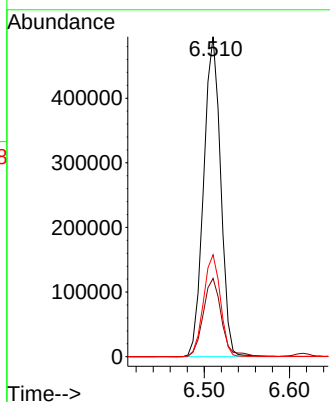
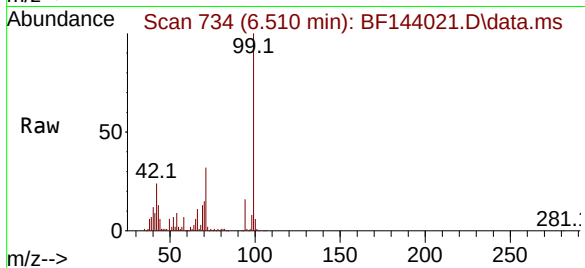
Tgt Ion: 99 Resp: 686364

Ion Ratio Lower Upper

99 100

42 24.5 21.0 31.4

71 31.9 27.8 41.8



#8

2-Chlorophenol

Concen: 48.395 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.000 min

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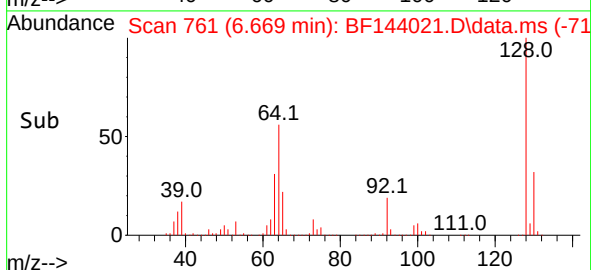
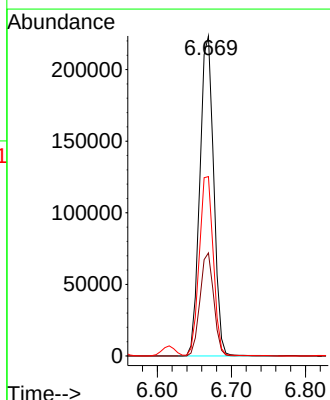
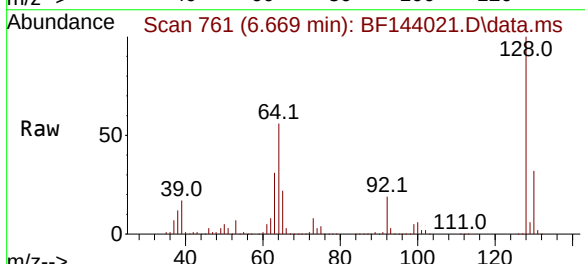
Tgt Ion:128 Resp: 291589

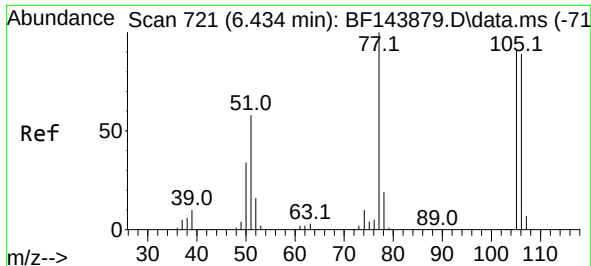
Ion Ratio Lower Upper

128 100

130 32.2 10.7 50.7

64 56.0 39.0 79.0

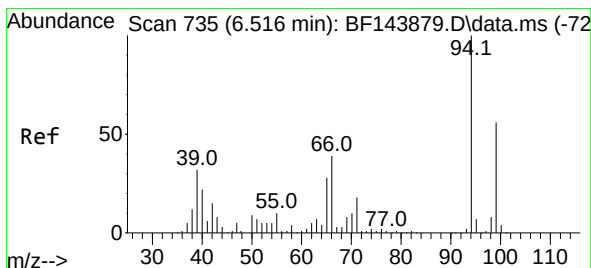
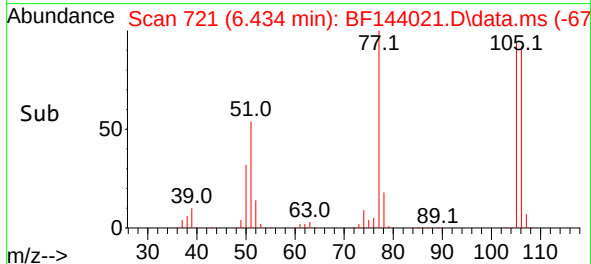
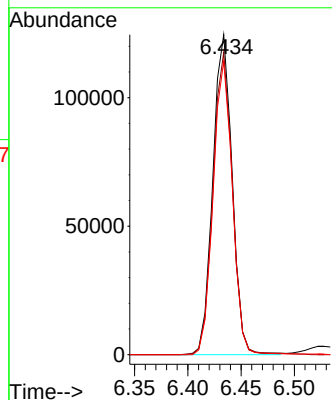
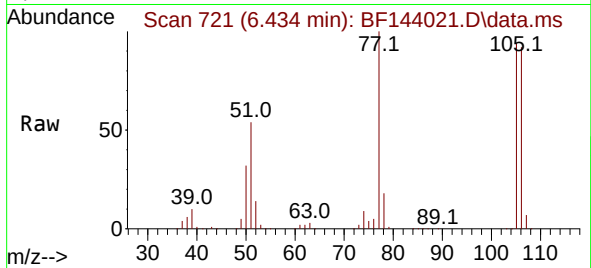




#9
Benzaldehyde
Concen: 27.657 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144021.D
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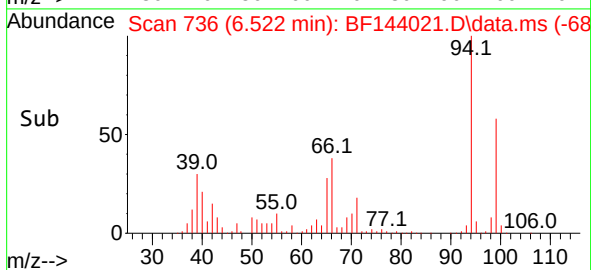
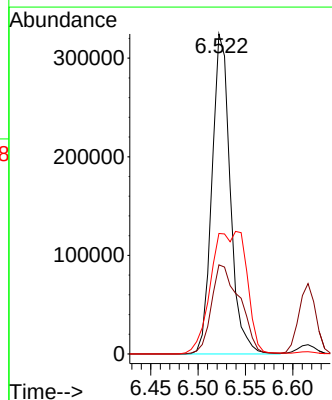
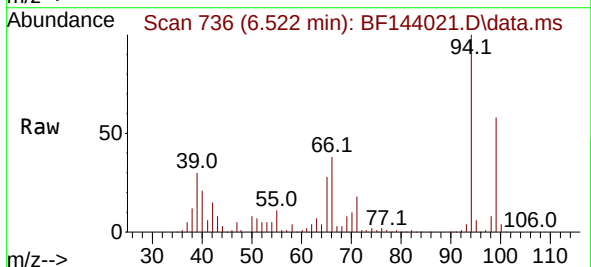
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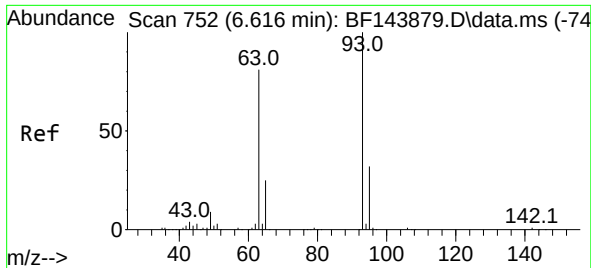
Tgt Ion: 77 Resp: 156751
Ion Ratio Lower Upper
77 100
105 94.5 70.9 110.9
106 91.7 68.9 108.9



#10
Phenol
Concen: 49.566 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 94 Resp: 435371
Ion Ratio Lower Upper
94 100
65 27.9 8.5 48.5
66 37.6 19.9 59.9

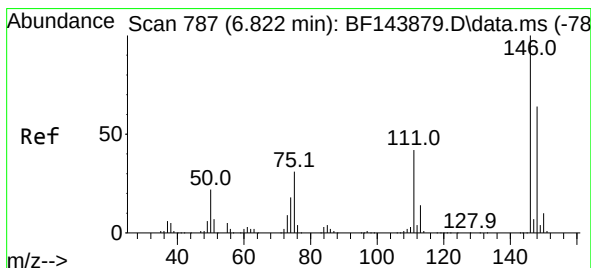
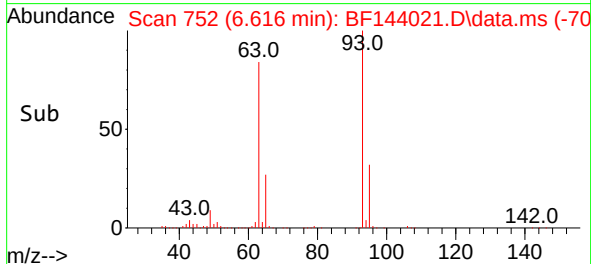
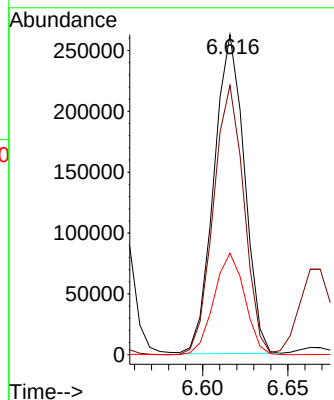
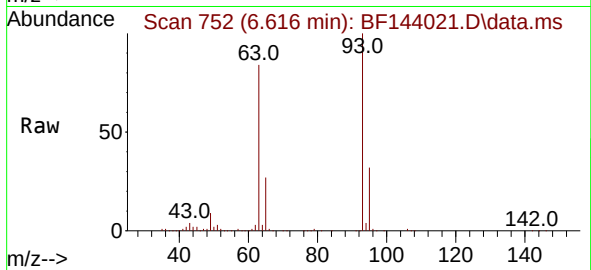




#11
bis(2-Chloroethyl)ether
Concen: 48.062 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

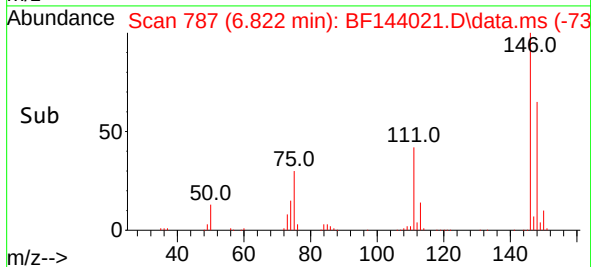
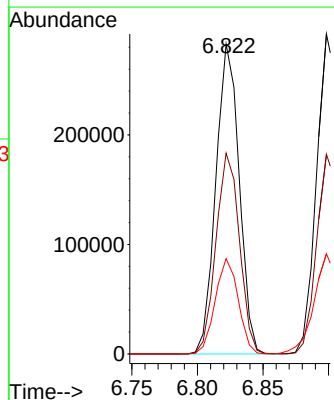
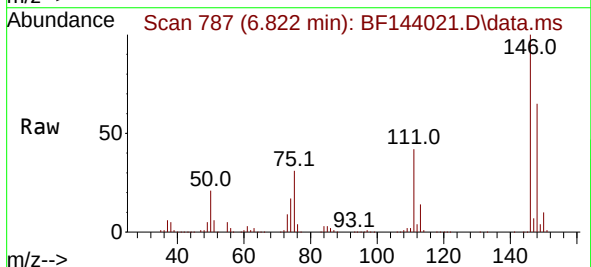
Instrument :
BNA_F
ClientSampleId :
41-LBMS

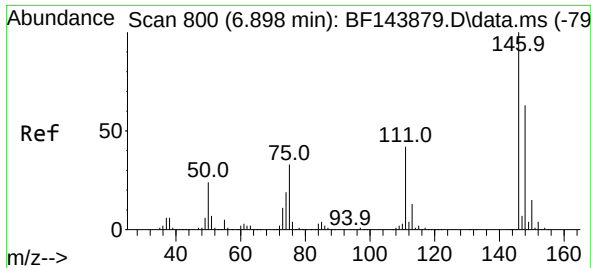
Tgt Ion: 93 Resp: 326113
Ion Ratio Lower Upper
93 100
63 84.2 60.9 100.9
95 31.8 11.5 51.5



#12
1,3-Dichlorobenzene
Concen: 48.498 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 146 Resp: 349785
Ion Ratio Lower Upper
146 100
148 64.8 51.0 76.4
75 30.8 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 50.729 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

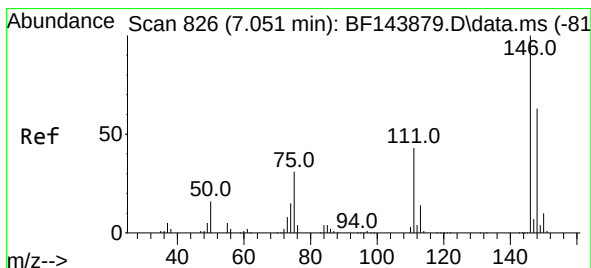
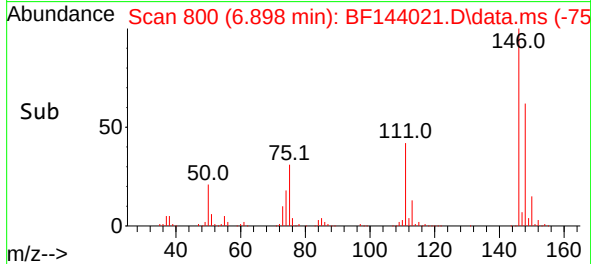
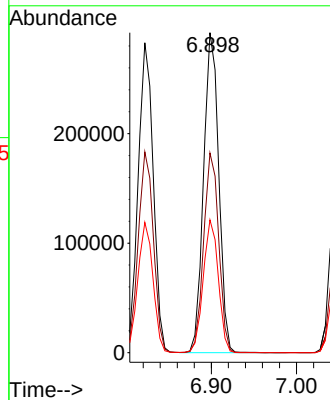
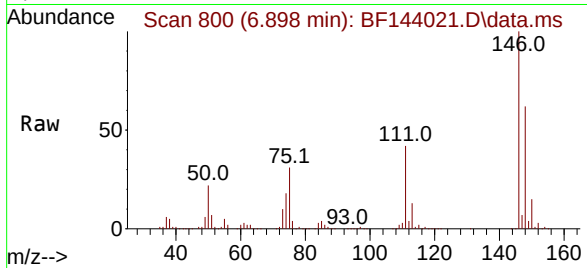
Tgt Ion:146 Resp: 360908

Ion Ratio Lower Upper

146 100

148 62.4 50.5 75.7

111 41.5 33.4 50.0



#14

1,2-Dichlorobenzene

Concen: 49.832 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

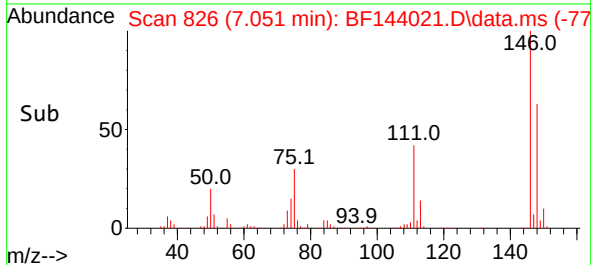
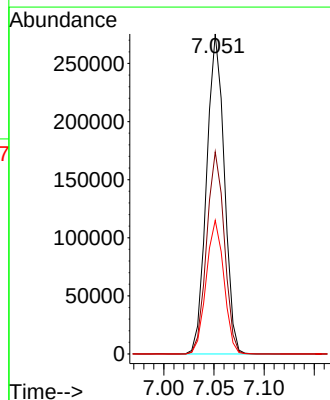
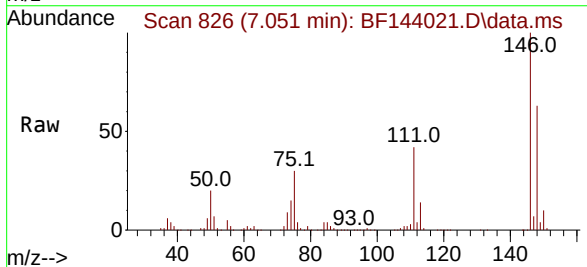
Tgt Ion:146 Resp: 339575

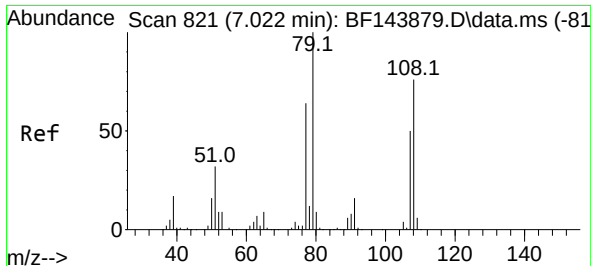
Ion Ratio Lower Upper

146 100

148 63.2 50.6 75.8

111 41.7 34.6 51.8

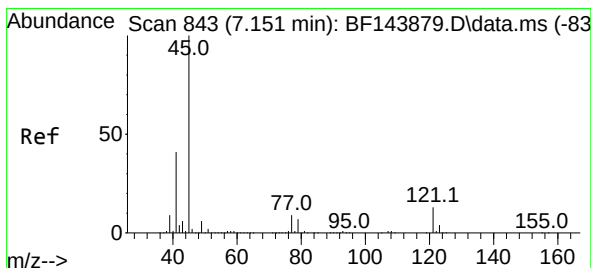
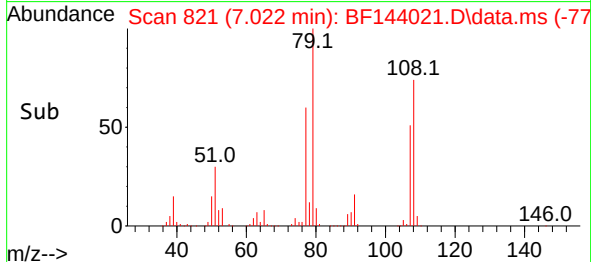
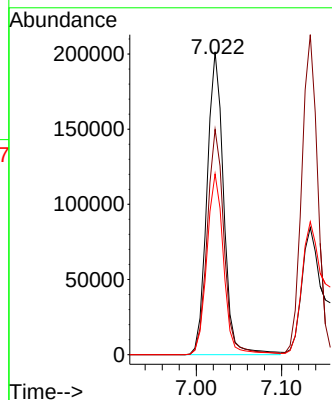
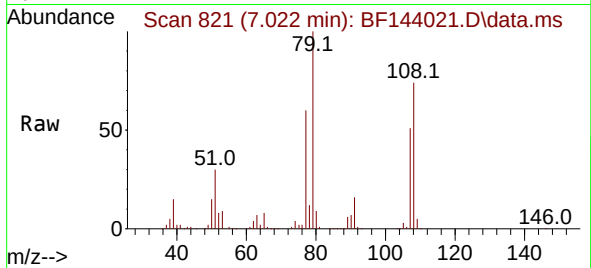




#15
Benzyl Alcohol
Concen: 49.638 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

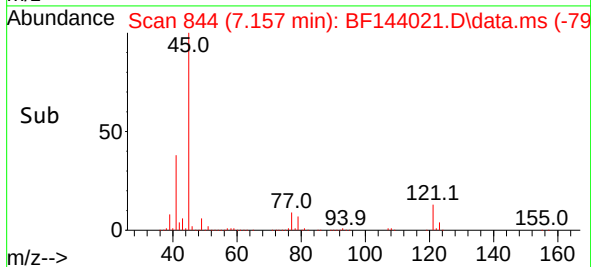
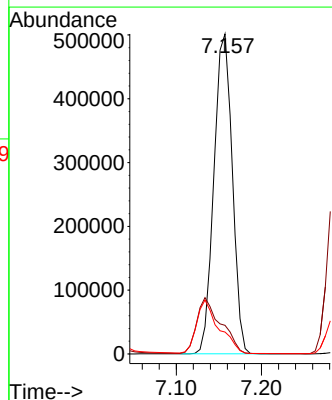
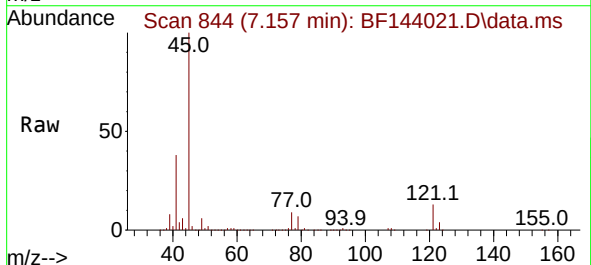
Instrument :
BNA_F
ClientSampleId :
41-LBMS

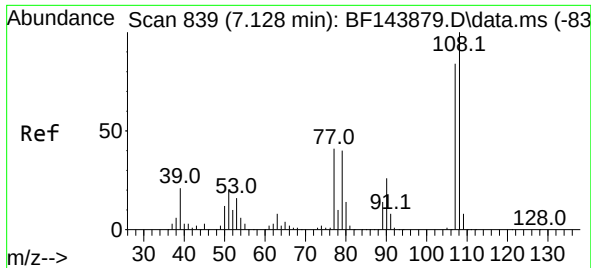
Tgt Ion: 79 Resp: 273254
Ion Ratio Lower Upper
79 100
108 74.4 60.8 91.2
77 59.7 51.0 76.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.531 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 45 Resp: 749548
Ion Ratio Lower Upper
45 100
77 9.0 0.0 29.0
79 6.9 0.0 26.8

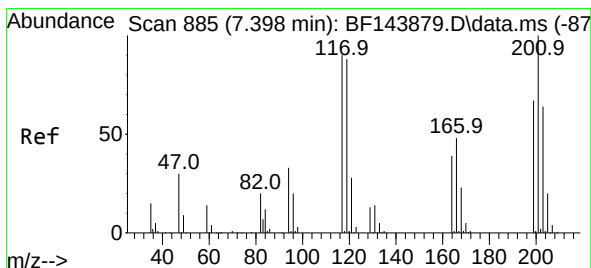
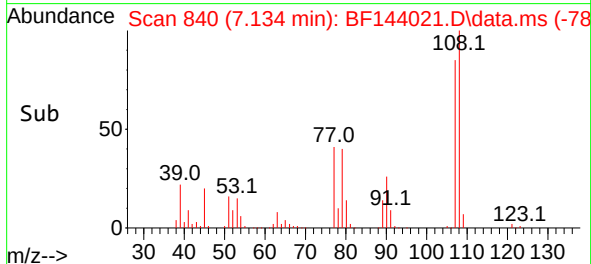
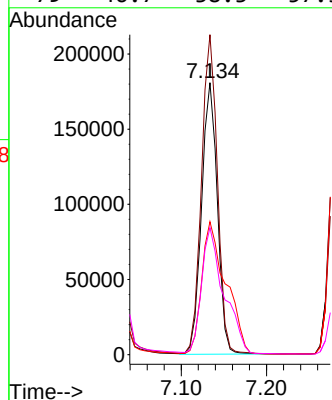
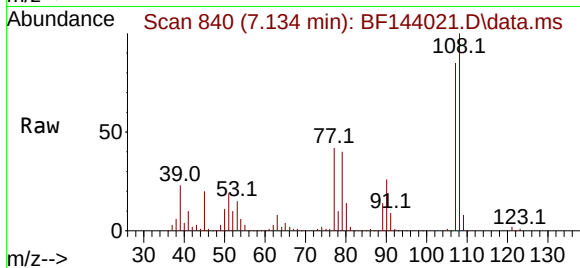




#17
2-Methylphenol
Concen: 46.752 ng
RT: 7.134 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

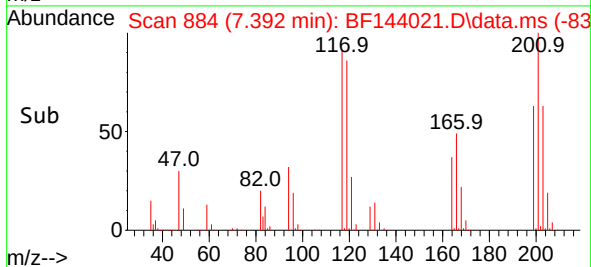
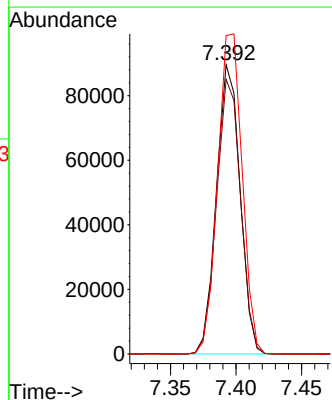
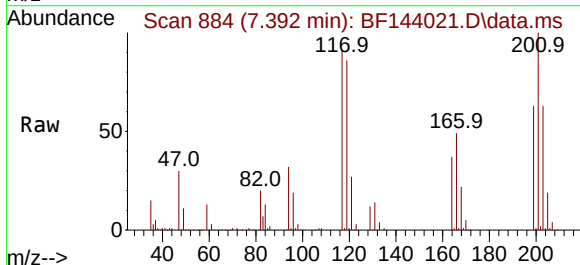
Instrument :
BNA_F
ClientSampleId :
41-LBMS

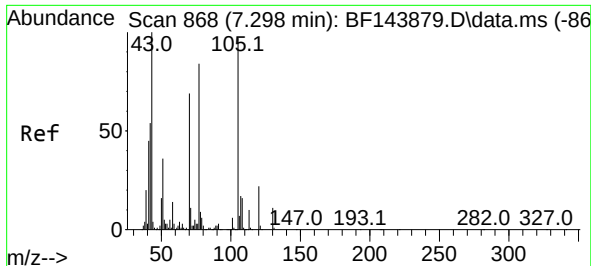
Tgt Ion:	107	Resp:	232802
Ion	Ratio	Lower	Upper
107	100		
108	117.7	94.7	142.1
77	48.9	38.8	58.2
79	46.7	38.3	57.5



#18
Hexachloroethane
Concen: 47.266 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:	117	Resp:	112145
Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.8
201	110.0	88.5	132.7

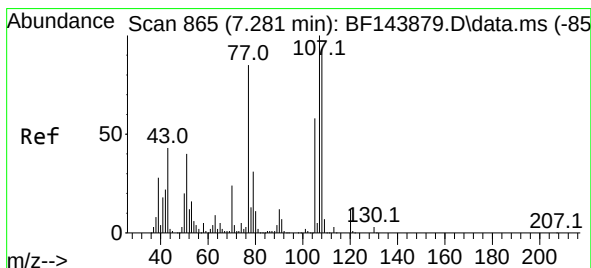
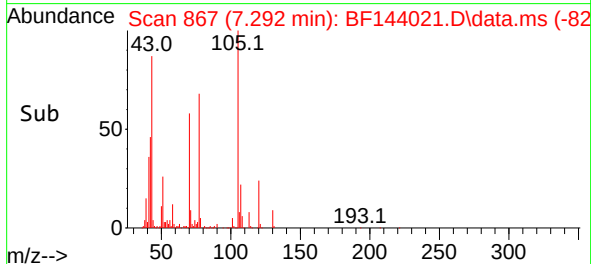
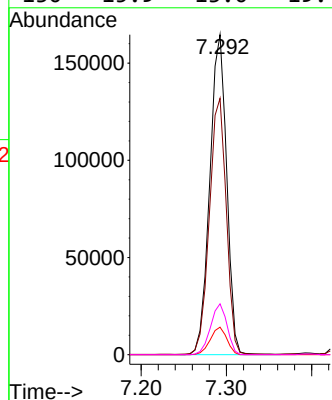
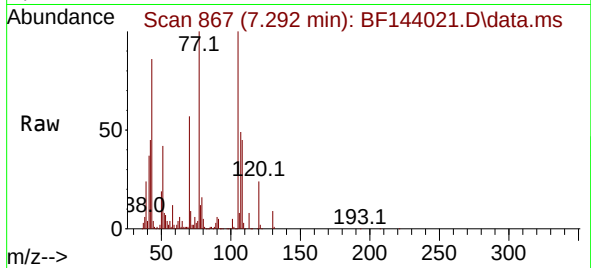




#19
n-Nitroso-di-n-propylamine
Concen: 44.946 ng
RT: 7.292 min Scan# 80
Delta R.T. -0.023 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

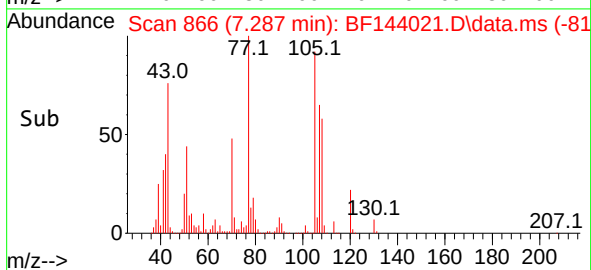
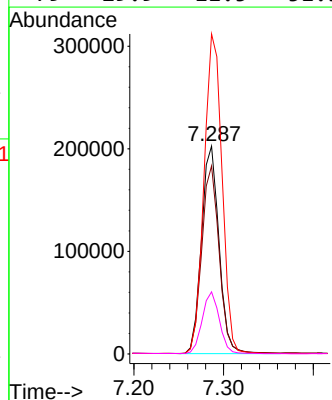
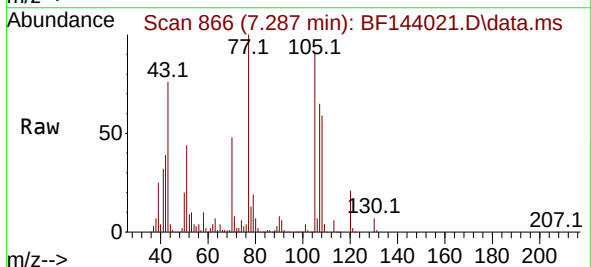
Instrument :
BNA_F
ClientSampleId :
41-LBMS

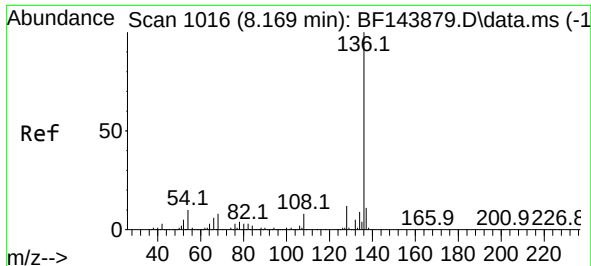
Tgt Ion: 70 Resp: 226038
Ion Ratio Lower Upper
70 100
42 80.1 62.8 94.2
101 8.6 6.7 10.1
130 15.9 13.0 19.4



#20
3+4-Methylphenols
Concen: 47.491 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 107 Resp: 274080
Ion Ratio Lower Upper
107 100
108 90.5 73.0 113.0
77 153.9 64.6 104.6#
79 29.9 11.5 51.5



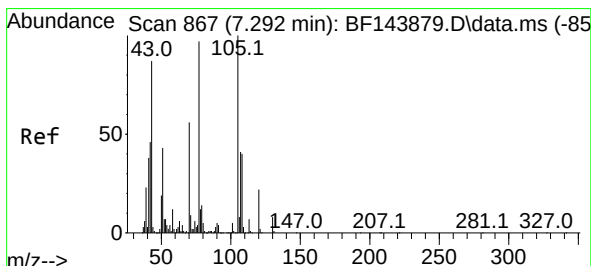
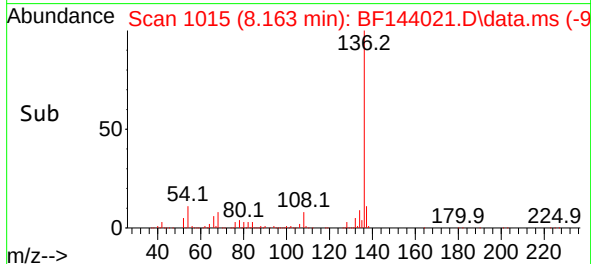
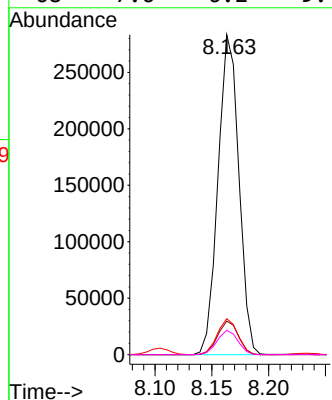
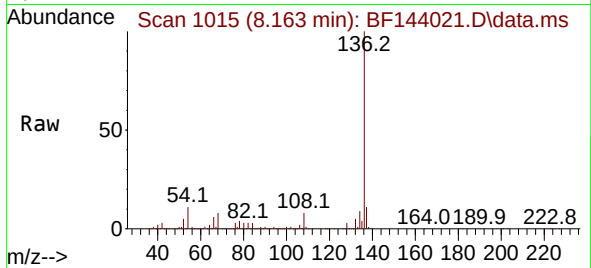


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:136 Resp: 362327

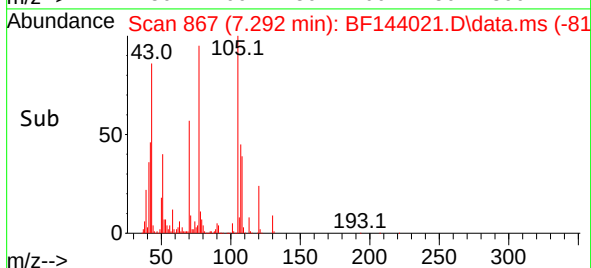
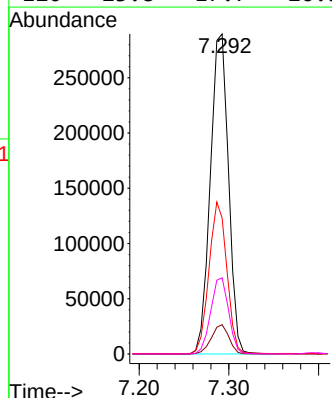
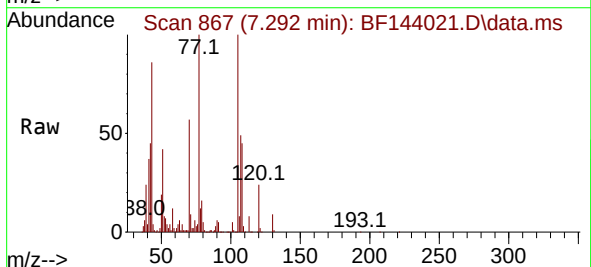
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	11.2	8.2	12.4
68	7.6	6.2	9.4

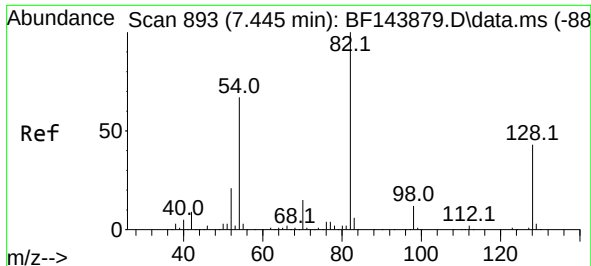


#22
Acetophenone
Concen: 53.222 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:105 Resp: 407740

Ion	Ratio	Lower	Upper
105	100		
71	9.1	7.4	11.0
51	42.5	34.2	51.4
120	23.8	17.7	26.5

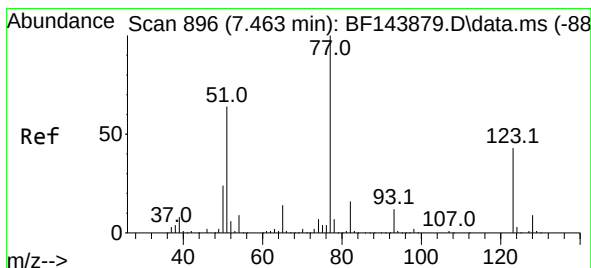
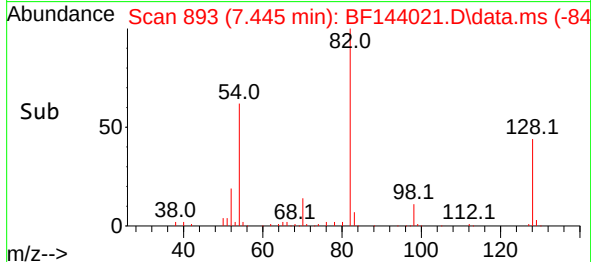
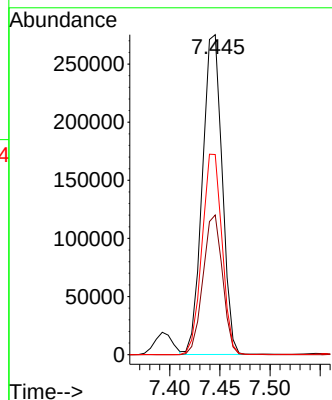
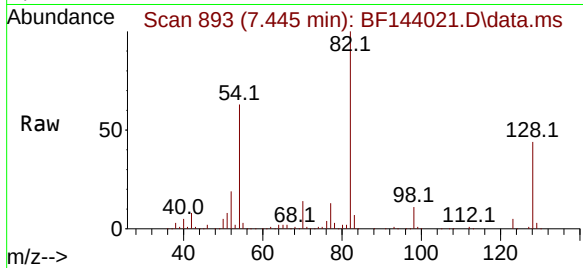




#23
Nitrobenzene-d5
Concen: 63.323 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

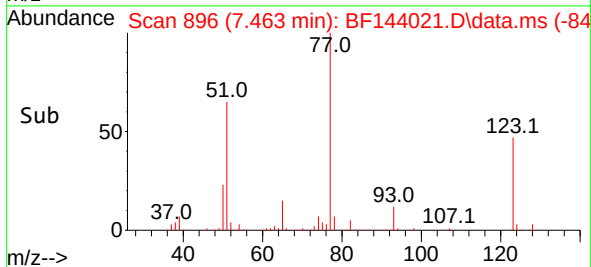
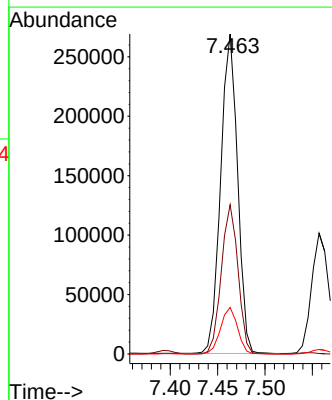
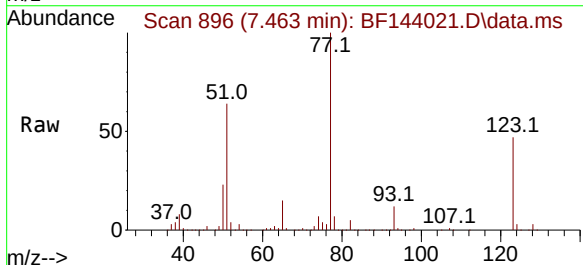
Instrument :
BNA_F
ClientSampleId :
41-LBMS

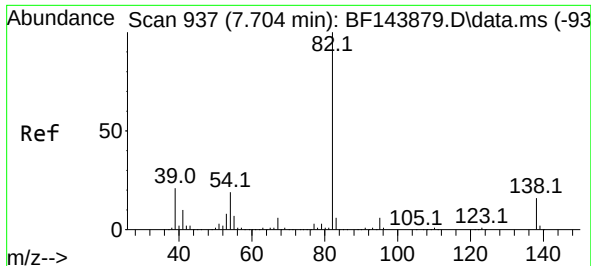
Tgt Ion: 82 Resp: 377645
Ion Ratio Lower Upper
82 100
128 43.7 34.0 51.0
54 62.5 53.2 79.8



#24
Nitrobenzene
Concen: 50.456 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 77 Resp: 334164
Ion Ratio Lower Upper
77 100
123 46.6 34.2 51.4
65 14.6 11.0 16.6

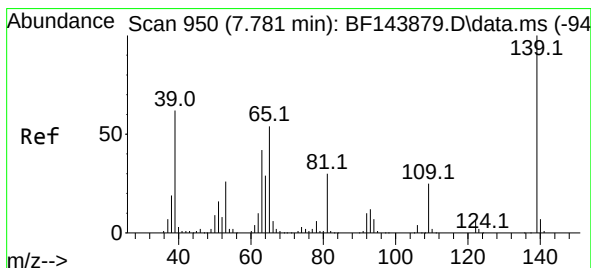
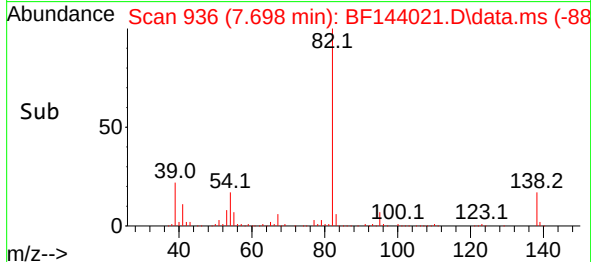
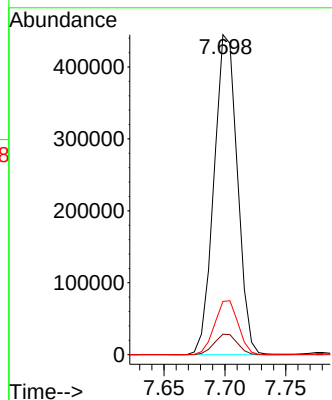
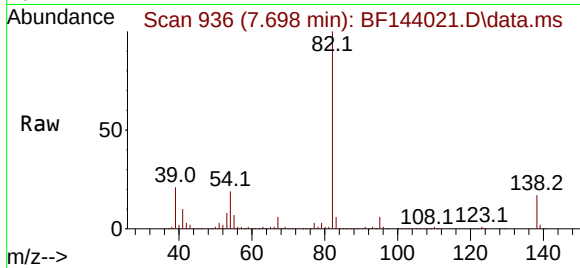




#25
Isophorone
Concen: 47.429 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.023 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

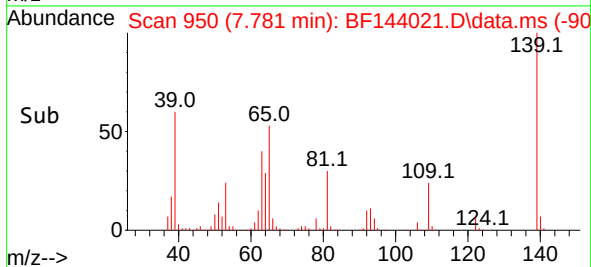
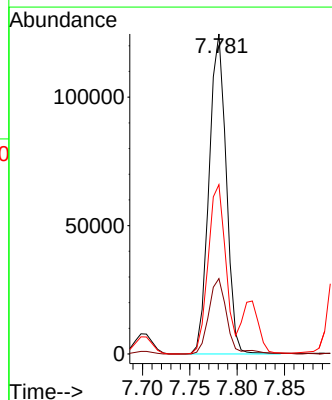
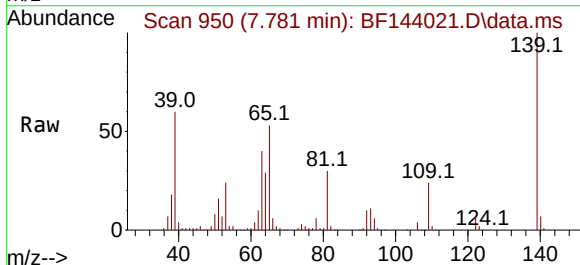
Instrument :
BNA_F
ClientSampleId :
41-LBMS

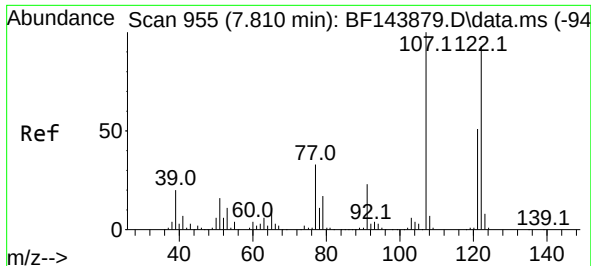
Tgt Ion: 82 Resp: 596412
Ion Ratio Lower Upper
82 100
95 6.4 5.1 7.7
138 16.7 12.9 19.3



#26
2-Nitrophenol
Concen: 55.286 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:139 Resp: 156979
Ion Ratio Lower Upper
139 100
109 23.6 19.8 29.6
65 52.9 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 54.248 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

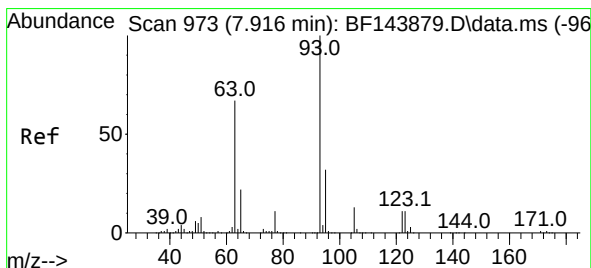
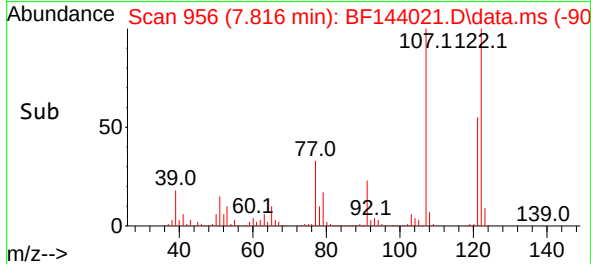
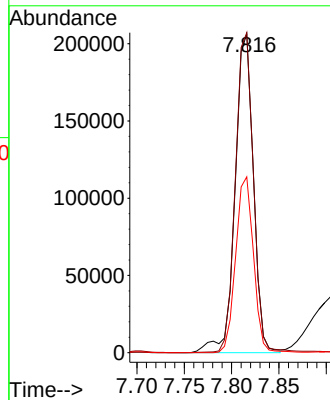
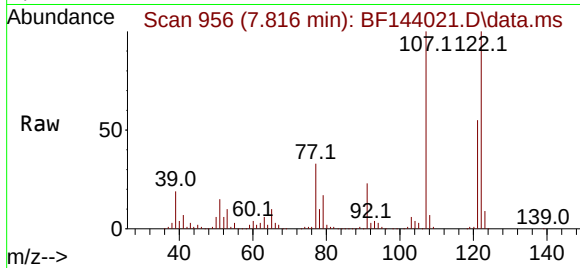
Tgt Ion:122 Resp: 277081

Ion Ratio Lower Upper

122 100

107 100.5 86.1 129.1

121 55.2 43.8 65.6



#28

bis(2-Chloroethoxy)methane

Concen: 49.176 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

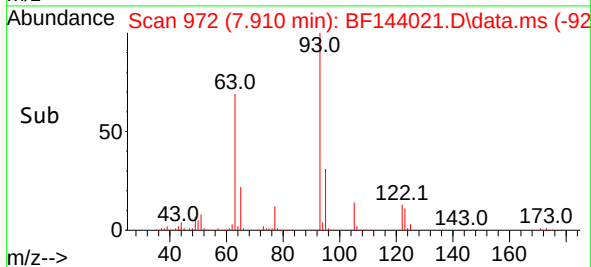
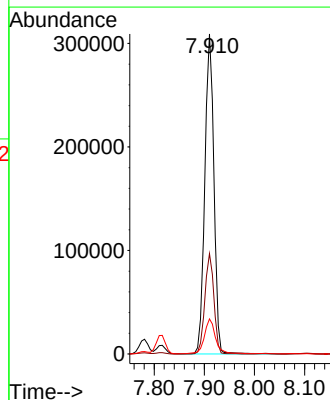
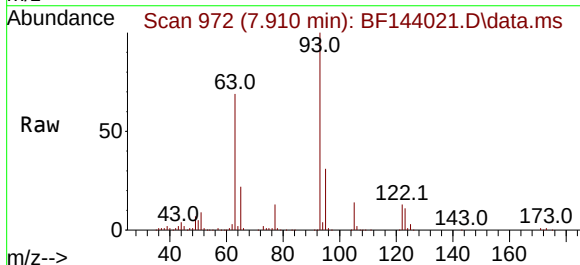
Tgt Ion: 93 Resp: 390627

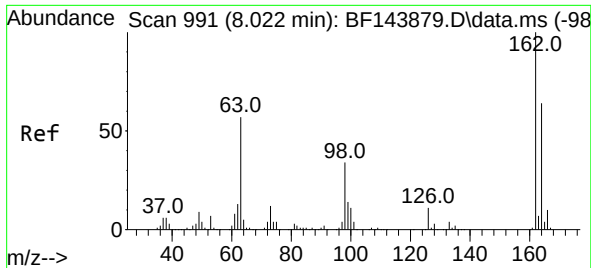
Ion Ratio Lower Upper

93 100

95 31.3 25.9 38.9

123 11.0 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 47.345 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

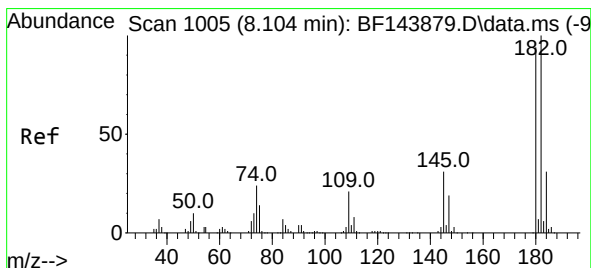
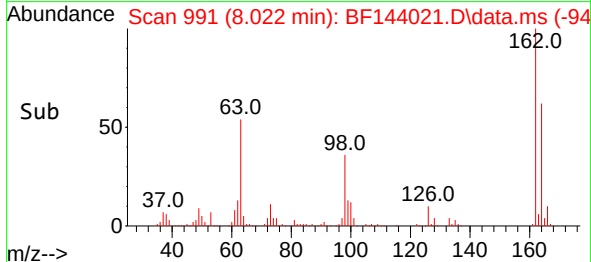
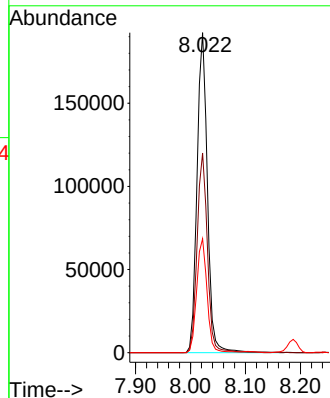
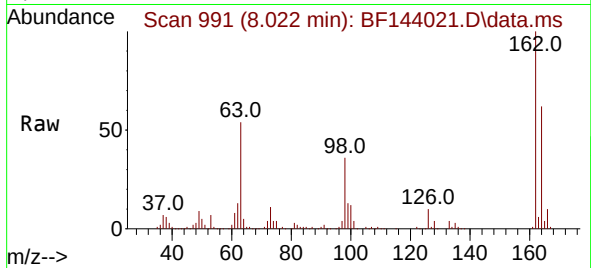
Tgt Ion:162 Resp: 251894

Ion Ratio Lower Upper

162 100

164 62.4 43.9 83.9

98 35.6 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 50.722 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

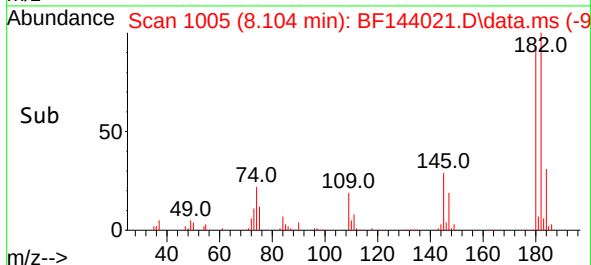
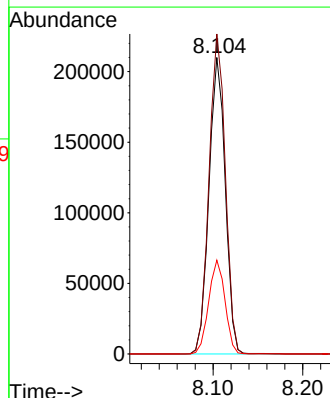
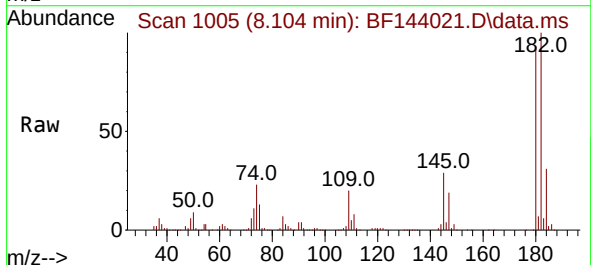
Tgt Ion:180 Resp: 265404

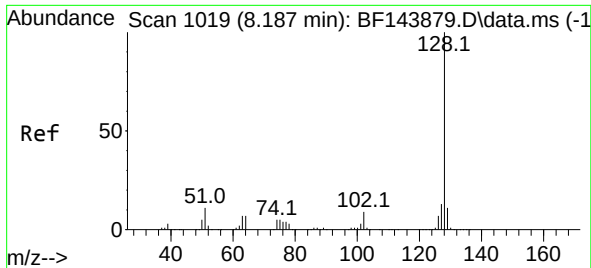
Ion Ratio Lower Upper

180 100

182 107.9 85.4 128.0

145 31.6 26.3 39.5

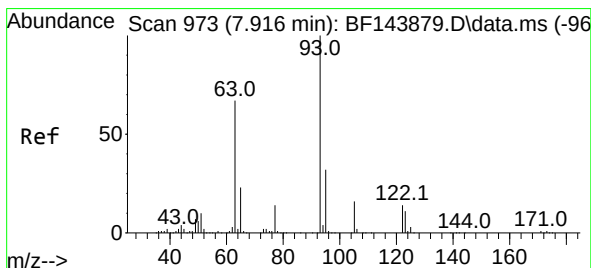
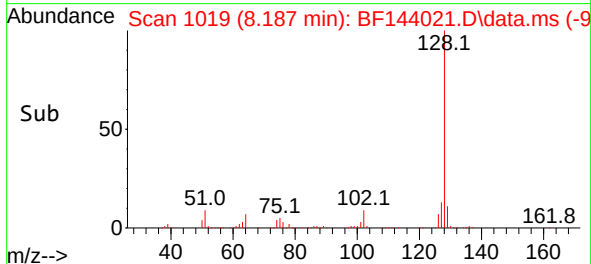
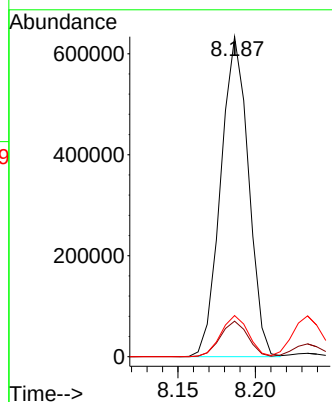
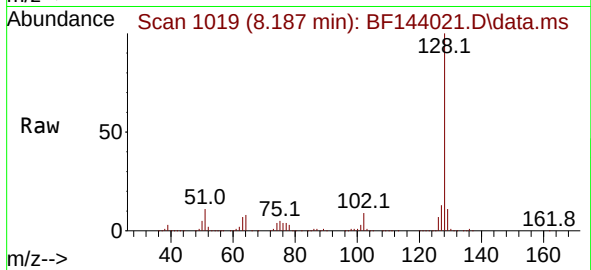




#31
Naphthalene
Concen: 47.927 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

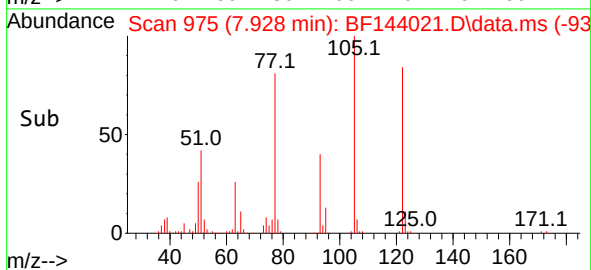
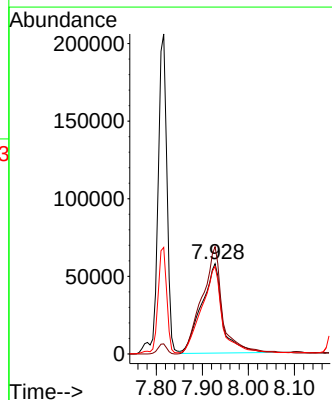
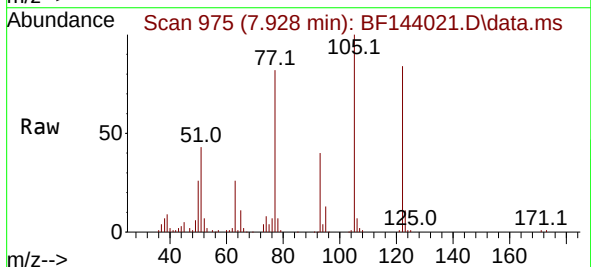
Instrument :
BNA_F
ClientSampleId :
41-LBMS

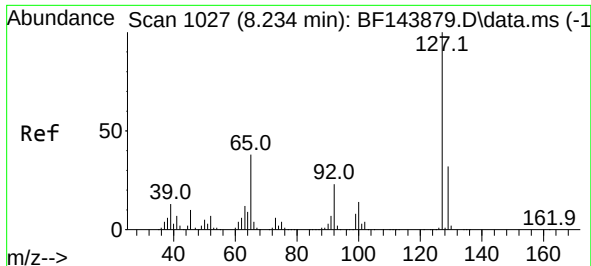
Tgt Ion:128 Resp: 789939
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 12.9 10.0 15.0



#32
Benzoic acid
Concen: 51.994 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.035 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:122 Resp: 183795
Ion Ratio Lower Upper
122 100
105 118.7 93.5 133.5
77 96.9 76.3 116.3



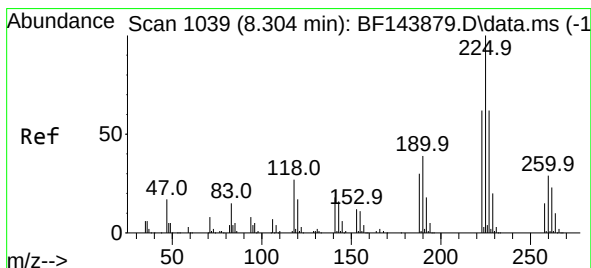
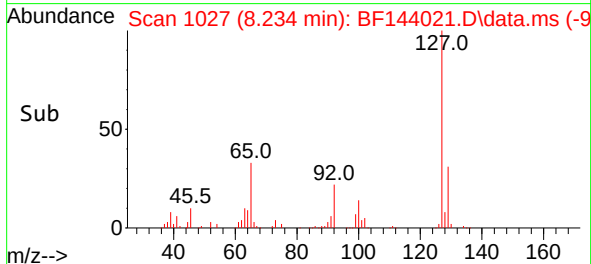
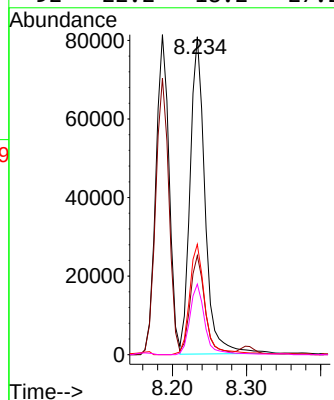
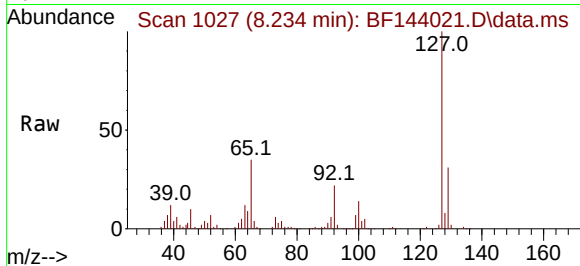


#33
4-Chloroaniline
Concen: 18.279 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:127 Resp: 112990

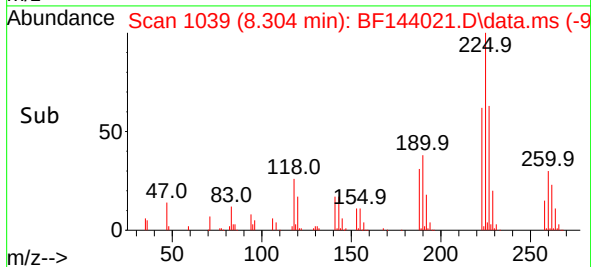
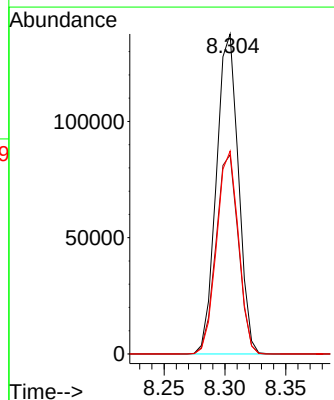
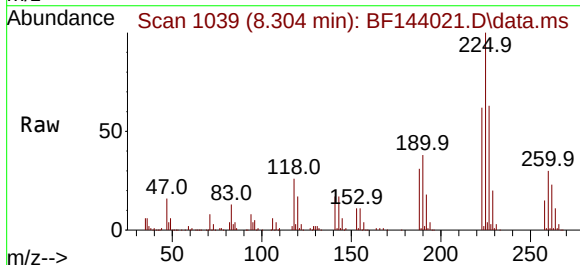
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.8	38.8
65	34.7	30.0	45.0
92	22.2	18.2	27.2

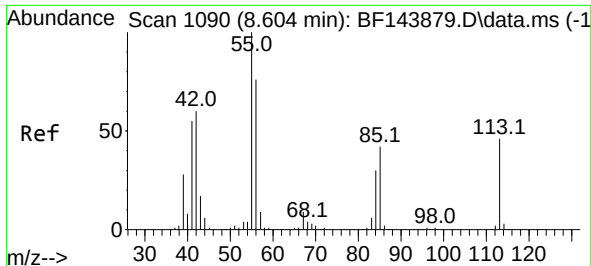


#34
Hexachlorobutadiene
Concen: 47.621 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:225 Resp: 173151

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.4	74.2
227	63.4	49.7	74.5

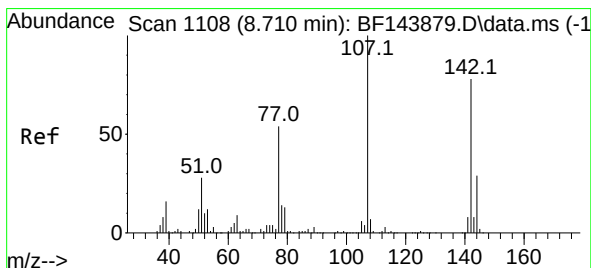
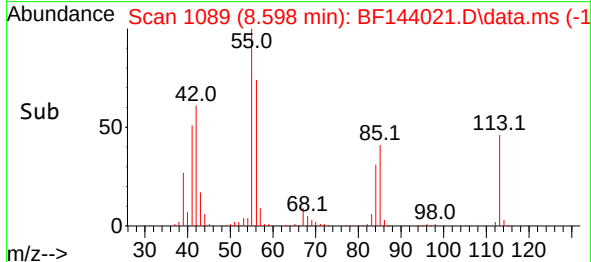
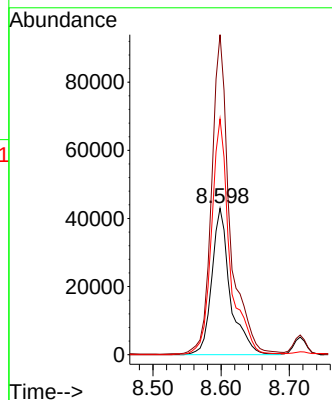
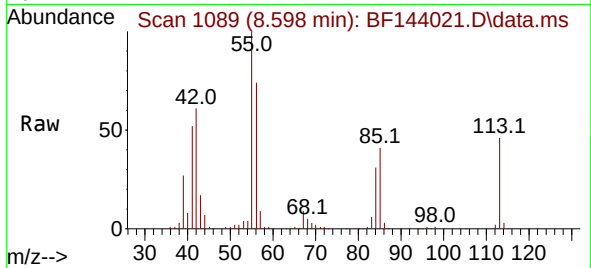




#35
 Caprolactam
 Concen: 47.824 ng
 RT: 8.598 min Scan# 1109
 Delta R.T. -0.047 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

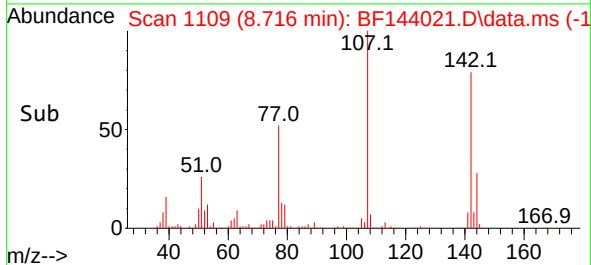
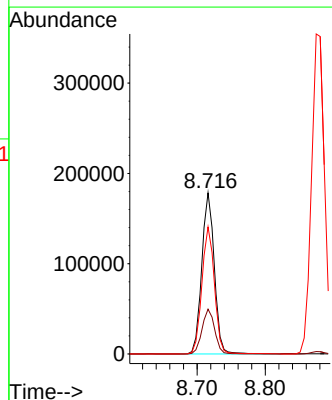
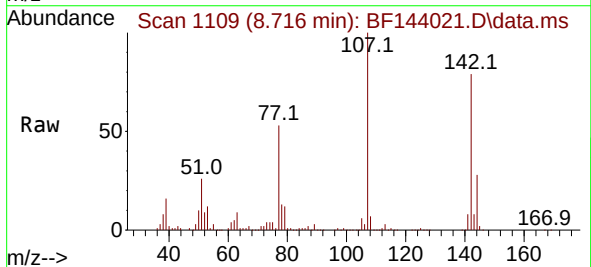
Instrument :
 BNA_F
 ClientSampleId :
 41-LBMS

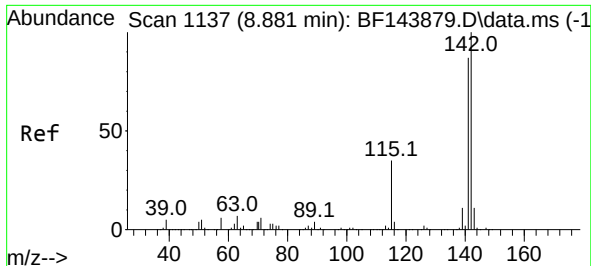
Tgt Ion:113 Resp: 80902
 Ion Ratio Lower Upper
 113 100
 55 218.6 199.6 239.6
 56 161.1 146.0 186.0



#36
 4-Chloro-3-methylphenol
 Concen: 44.685 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

Tgt Ion:107 Resp: 228368
 Ion Ratio Lower Upper
 107 100
 144 27.8 23.1 34.7
 142 78.9 62.6 94.0





#37

2-Methylnaphthalene

Concen: 42.626 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

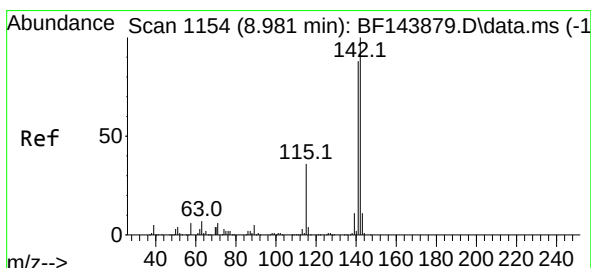
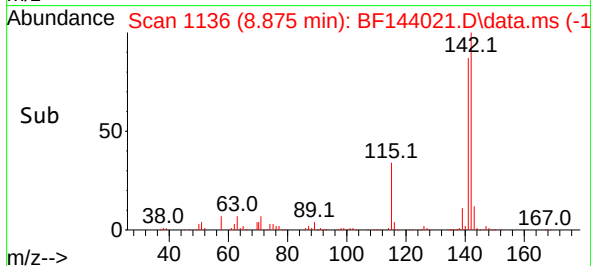
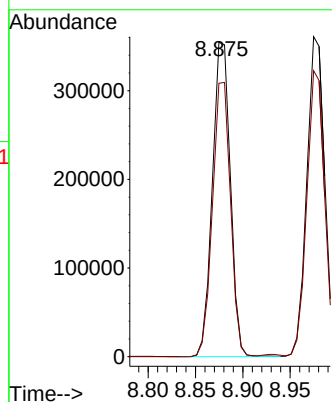
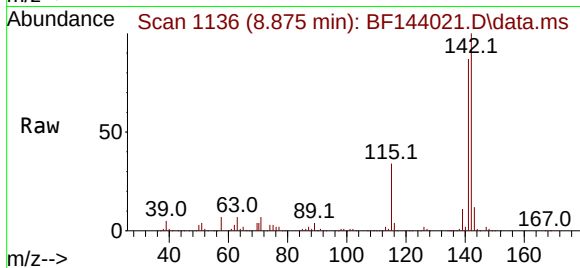
41-LBMS

Tgt Ion:142 Resp: 467991

Ion Ratio Lower Upper

142 100

141 87.0 69.2 103.8



#38

1-Methylnaphthalene

Concen: 44.148 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF144021.D

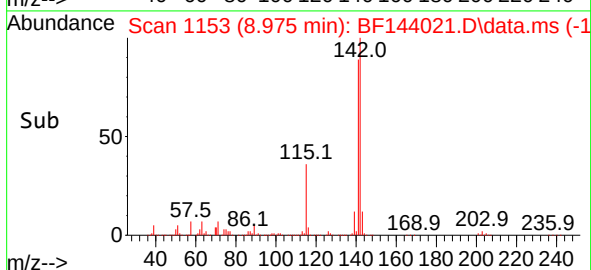
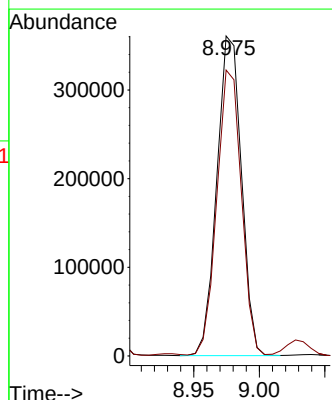
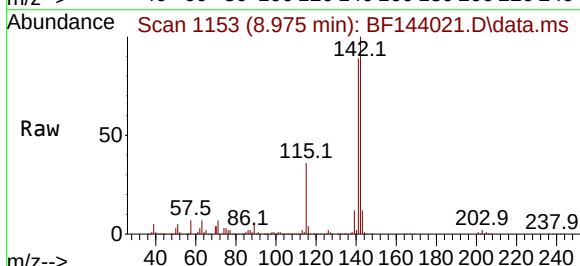
Acq: 21 Oct 2025 19:28

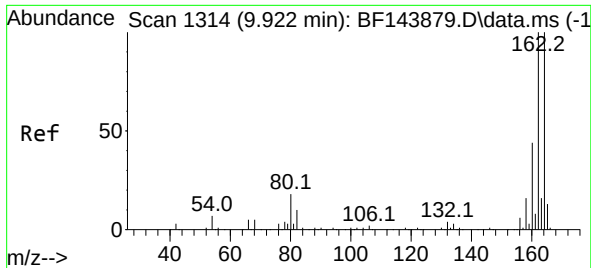
Tgt Ion:142 Resp: 470146

Ion Ratio Lower Upper

142 100

141 89.3 70.8 106.2

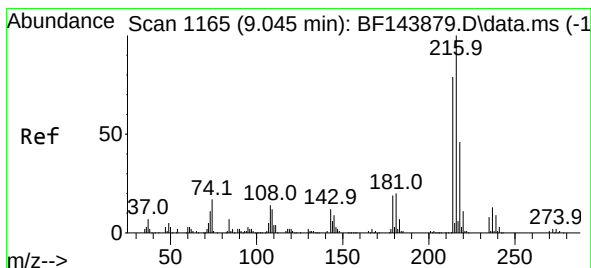
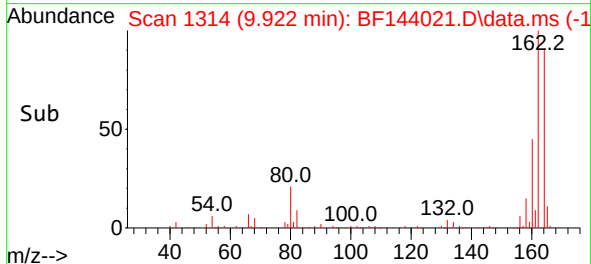
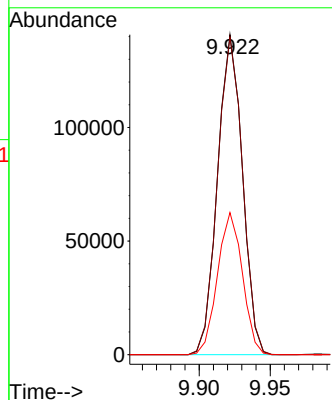
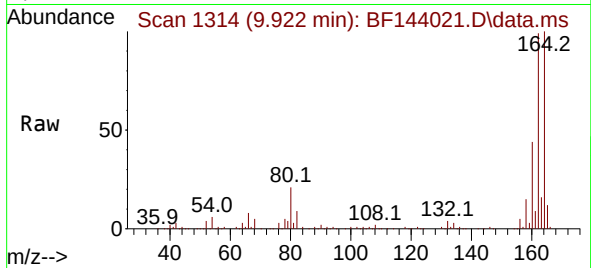




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1115
Delta R.T. -0.005 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

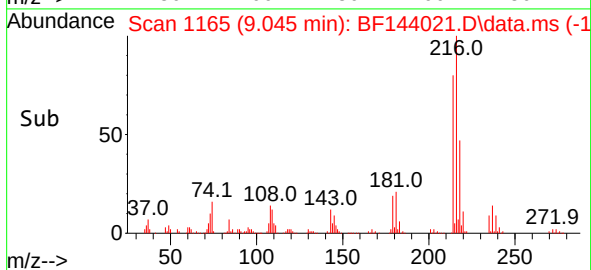
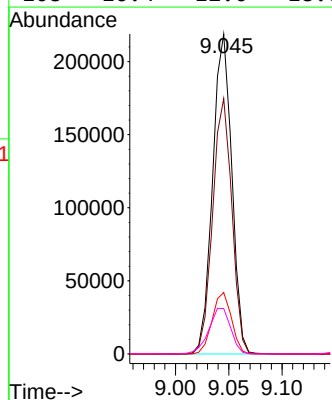
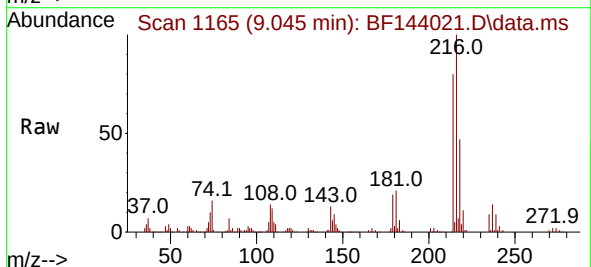
Instrument :
BNA_F
ClientSampleId :
41-LBMS

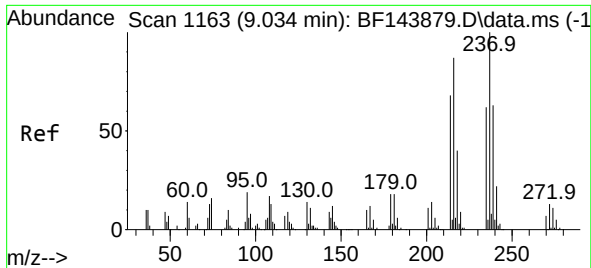
Tgt Ion:164 Resp: 171519
Ion Ratio Lower Upper
164 100
162 99.2 80.2 120.2
160 44.4 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.568 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:216 Resp: 272902
Ion Ratio Lower Upper
216 100
214 80.0 62.6 94.0
179 19.4 15.4 23.0
108 16.4 12.0 18.0

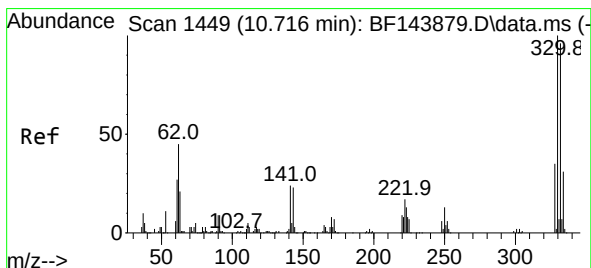
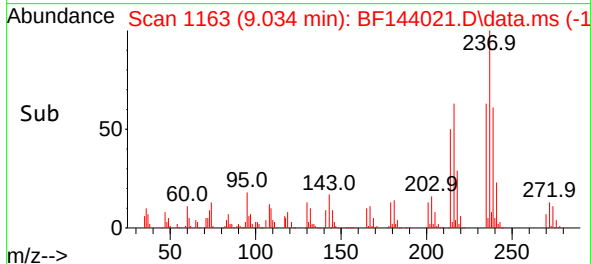
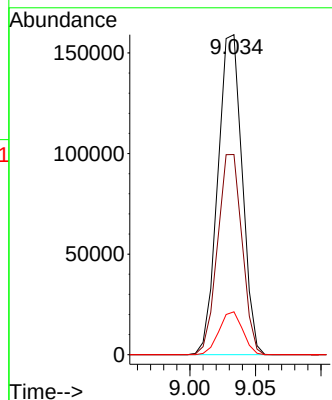
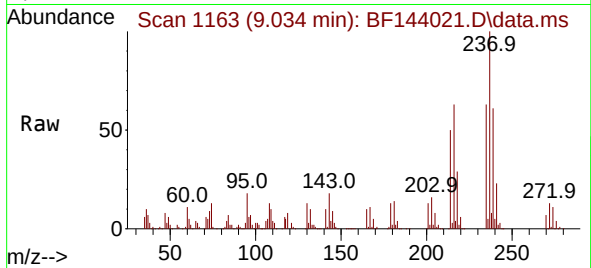




#41
Hexachlorocyclopentadiene
Concen: 104.412 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

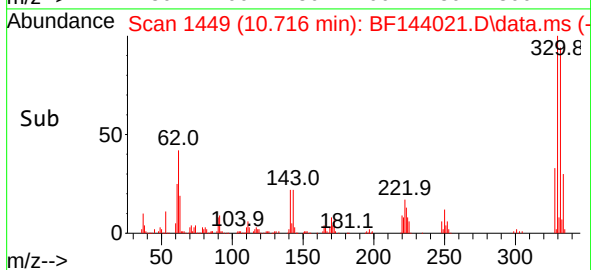
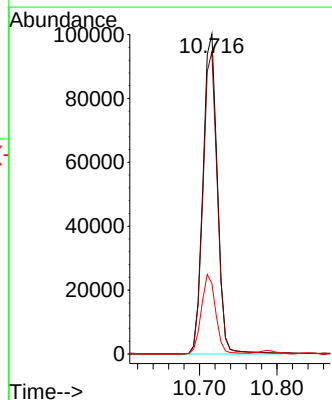
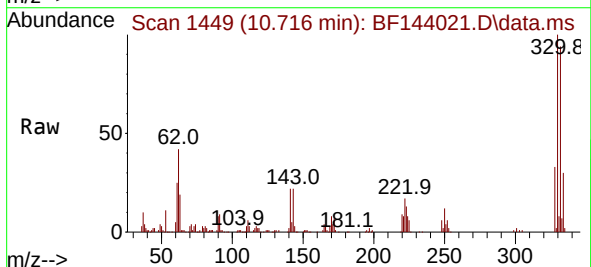
Instrument :
BNA_F
ClientSampleId :
41-LBMS

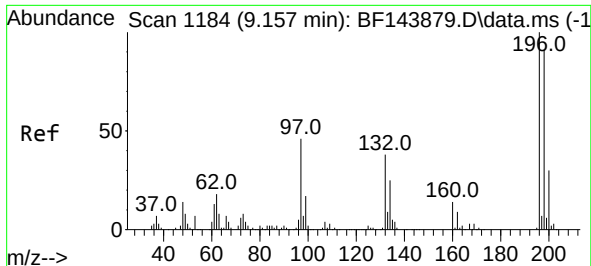
Tgt Ion:237 Resp: 205343
Ion Ratio Lower Upper
237 100
235 62.5 42.3 82.3
272 13.4 0.0 33.1



#42
2,4,6-Tribromophenol
Concen: 75.273 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:330 Resp: 128593
Ion Ratio Lower Upper
330 100
332 95.3 76.9 115.3
141 24.8 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 50.621 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

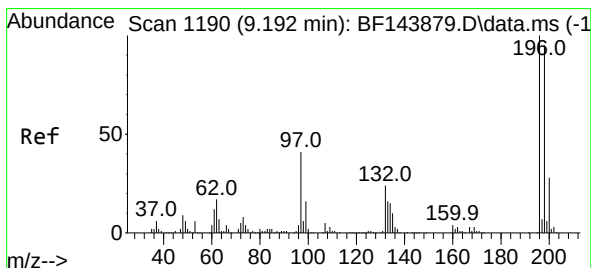
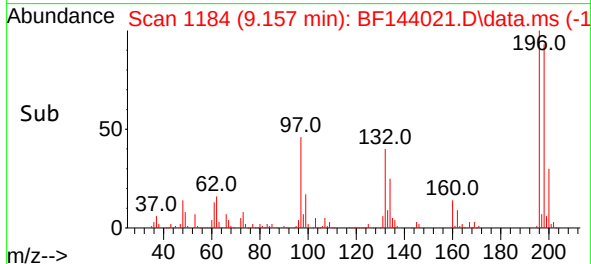
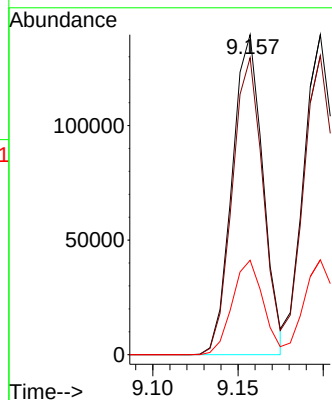
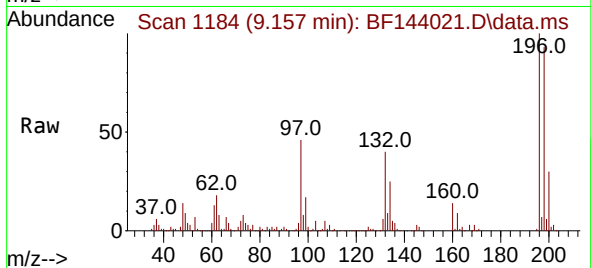
Tgt Ion:196 Resp: 175339

Ion Ratio Lower Upper

196 100

198 92.8 72.8 109.2

200 29.5 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 49.662 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:196 Resp: 181781

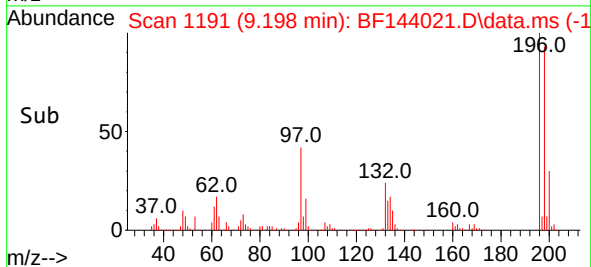
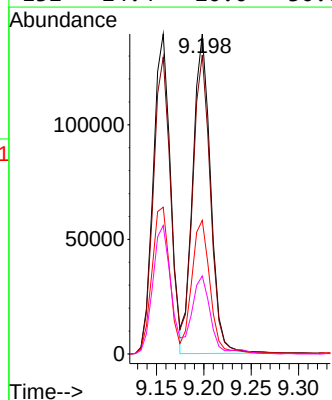
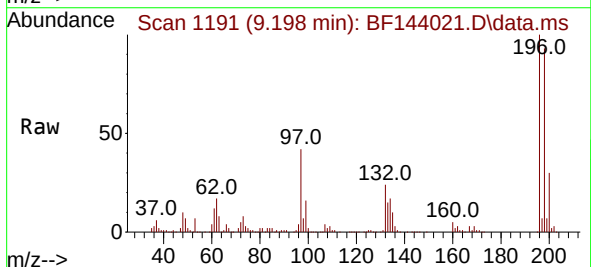
Ion Ratio Lower Upper

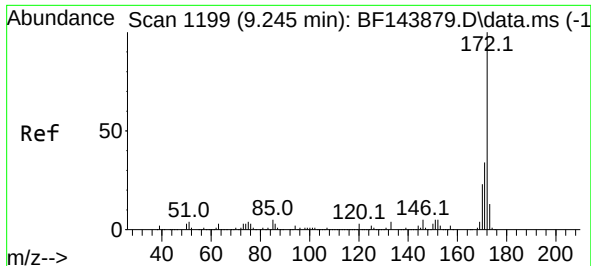
196 100

198 93.4 75.5 113.3

97 41.8 33.9 50.9

132 24.4 20.0 30.0

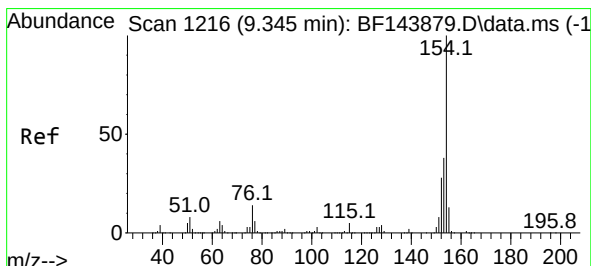
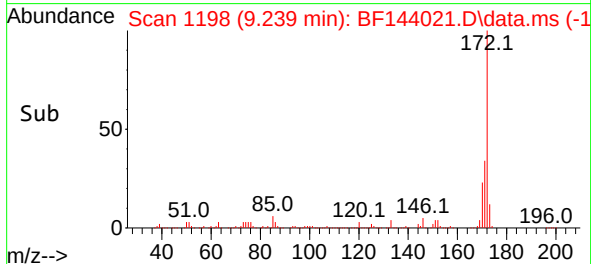
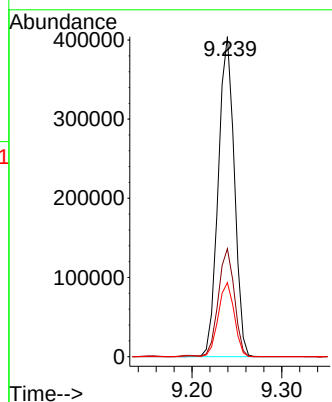
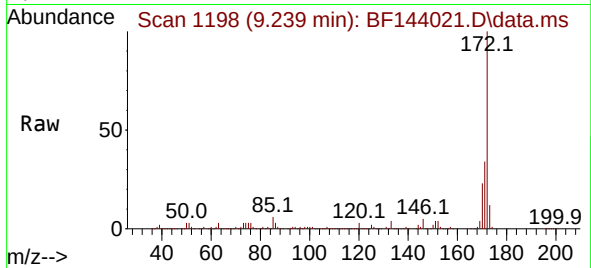




#45
2-Fluorobiphenyl
Concen: 46.495 ng
RT: 9.239 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

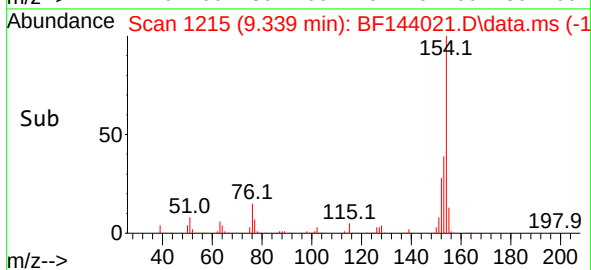
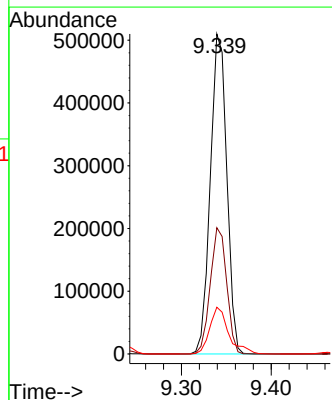
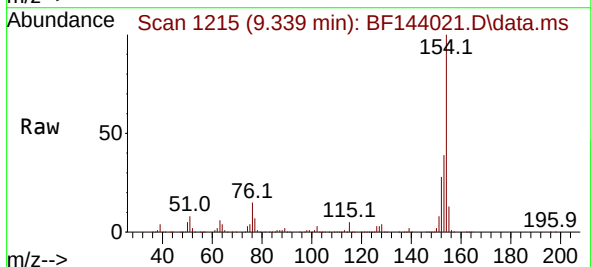
Instrument :
BNA_F
ClientSampleId :
41-LBMS

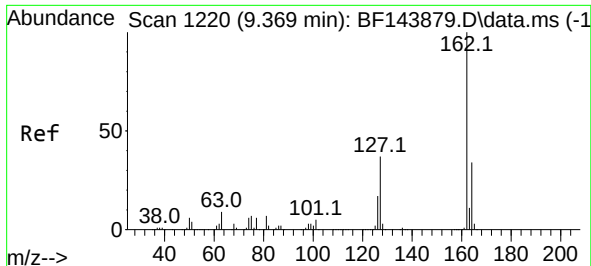
Tgt Ion:172 Resp: 502594
Ion Ratio Lower Upper
172 100
171 33.7 27.4 41.0
170 23.2 18.6 28.0



#46
1,1'-Biphenyl
Concen: 57.166 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:154 Resp: 649183
Ion Ratio Lower Upper
154 100
153 39.5 18.4 58.4
76 14.6 0.0 34.0

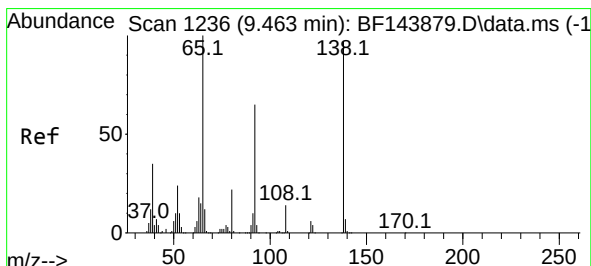
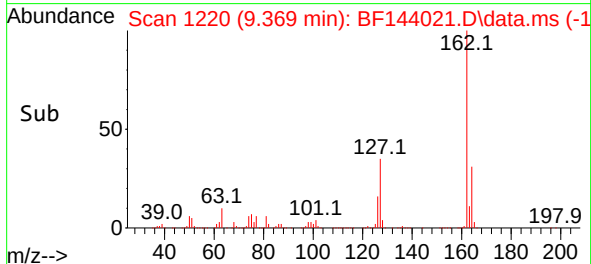
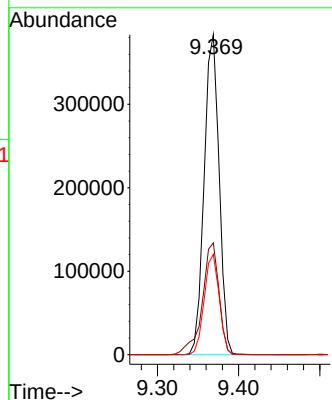
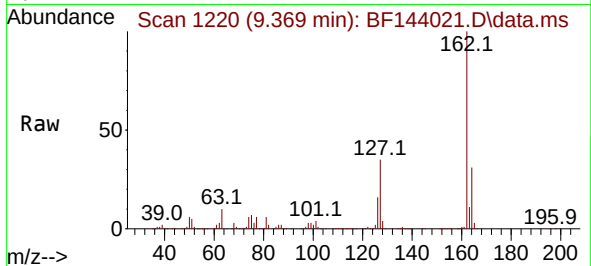




#47
2-Chloronaphthalene
Concen: 51.820 ng
RT: 9.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

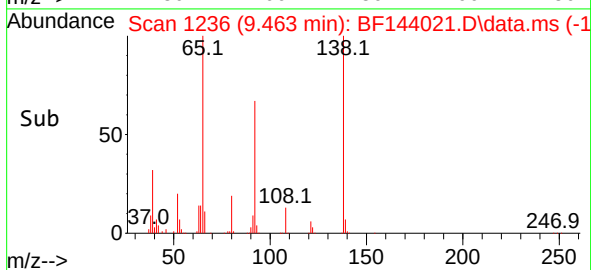
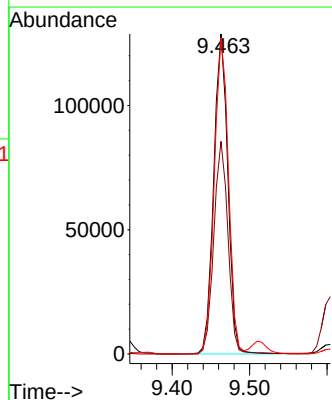
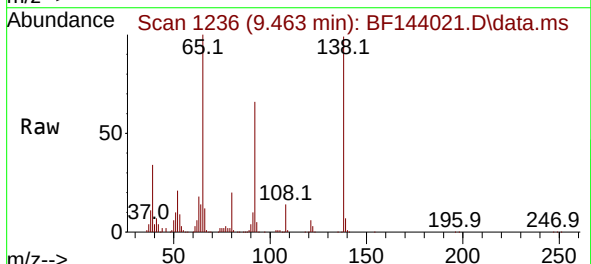
Instrument :
BNA_F
ClientSampleId :
41-LBMS

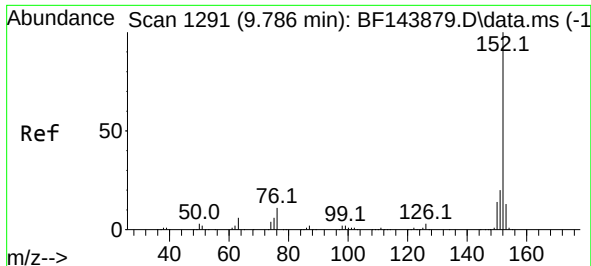
Tgt Ion:162 Resp: 490643
Ion Ratio Lower Upper
162 100
127 34.9 30.2 45.2
164 31.3 26.9 40.3



#48
2-Nitroaniline
Concen: 54.543 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 65 Resp: 163271
Ion Ratio Lower Upper
65 100
92 66.4 52.1 78.1
138 98.9 77.4 116.2

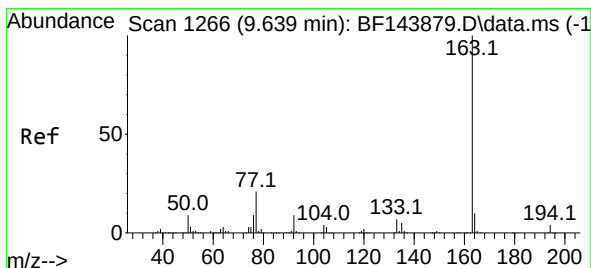
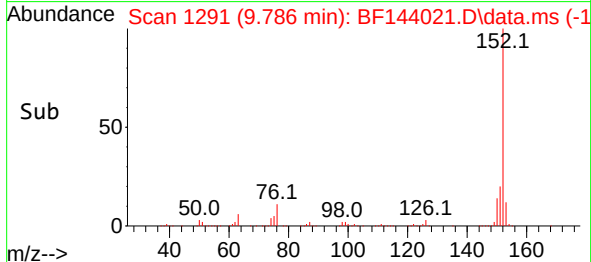
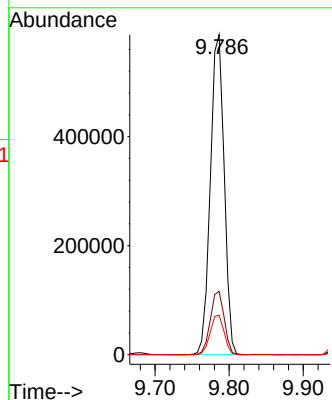
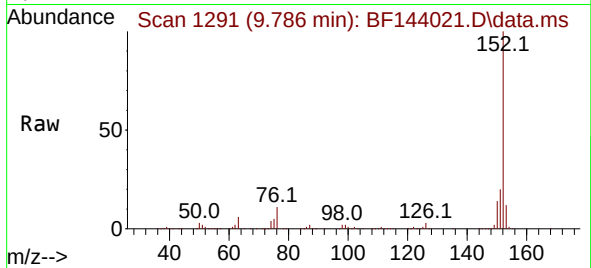




#49
Acenaphthylene
Concen: 57.112 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

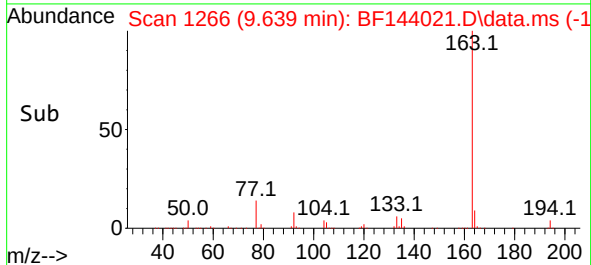
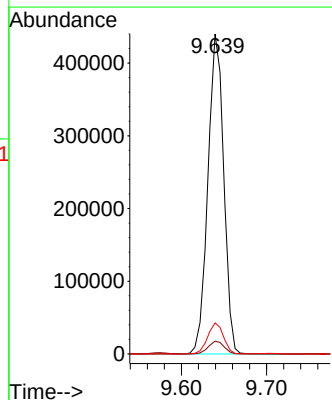
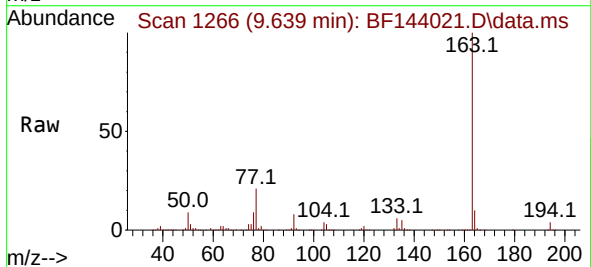
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BNA_F
ClientSampleId :
41-LBMS

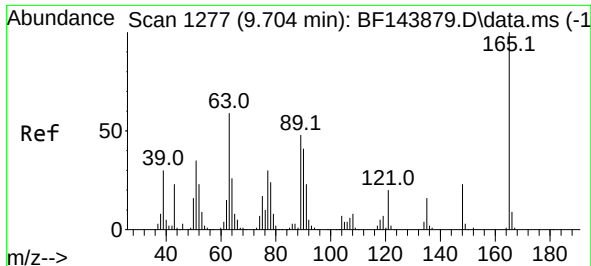
Tgt Ion:152 Resp: 760218
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 12.4 10.5 15.7



#50
Dimethylphthalate
Concen: 52.070 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:163 Resp: 567160
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.7 8.1 12.1

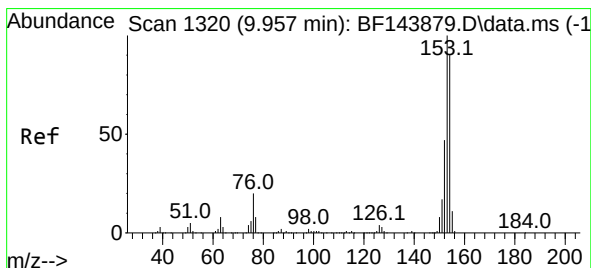
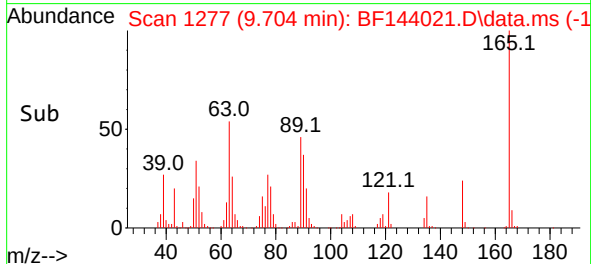
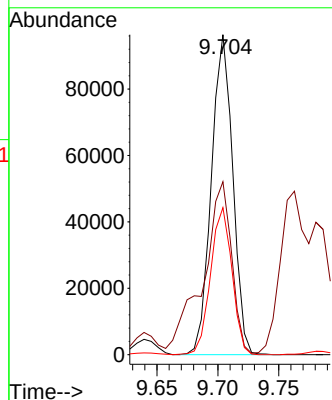
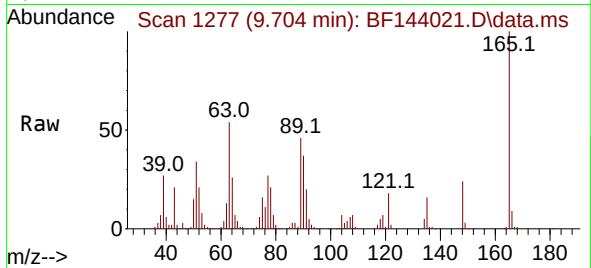




#51
2,6-Dinitrotoluene
Concen: 58.353 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

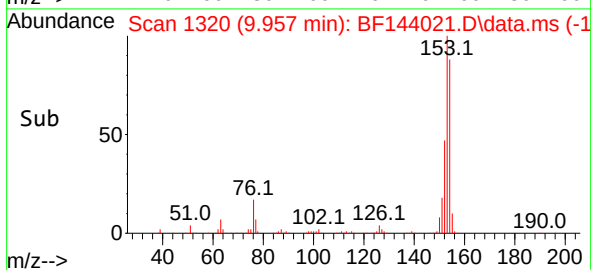
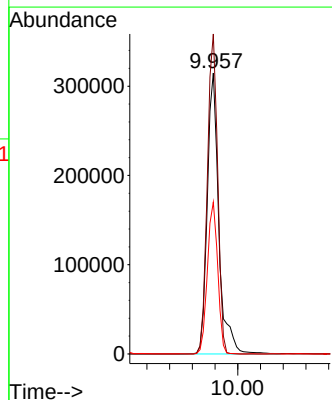
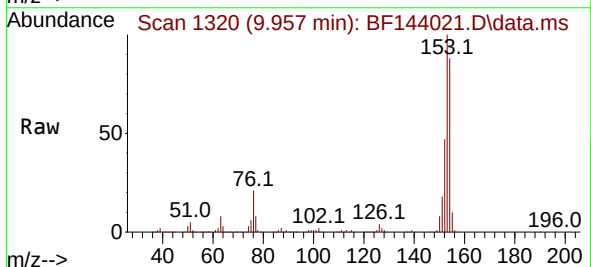
Instrument :
BNA_F
ClientSampleId :
41-LBMS

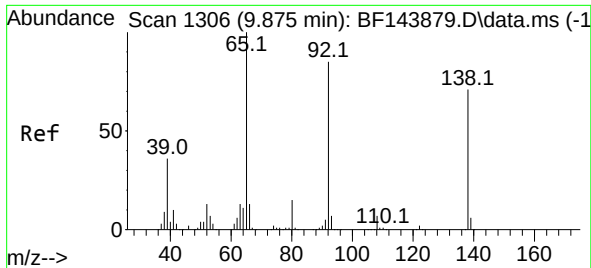
Tgt Ion:165 Resp: 117859
Ion Ratio Lower Upper
165 100
63 54.1 47.3 70.9
89 46.0 38.2 57.4



#52
Acenaphthene
Concen: 50.838 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:154 Resp: 443420
Ion Ratio Lower Upper
154 100
153 113.9 89.3 133.9
152 54.0 42.2 63.2

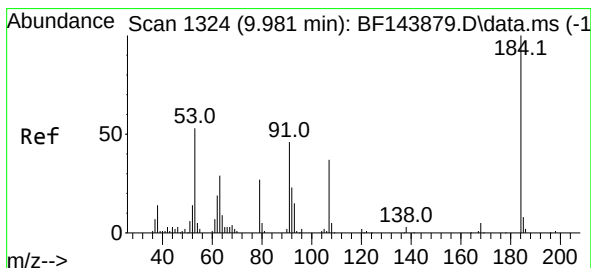
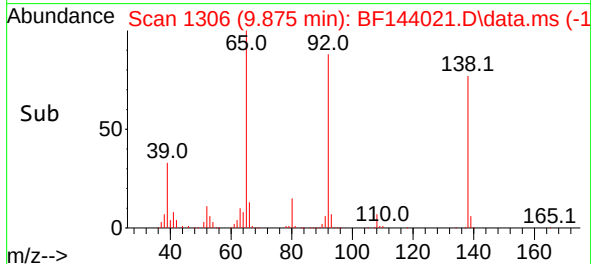
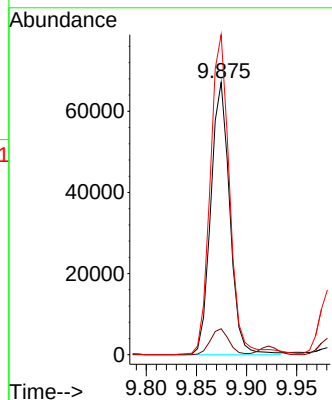
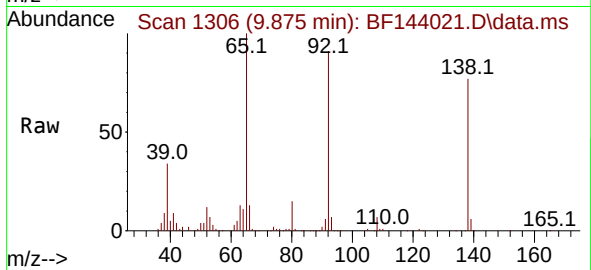




#53
3-Nitroaniline
Concen: 35.597 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

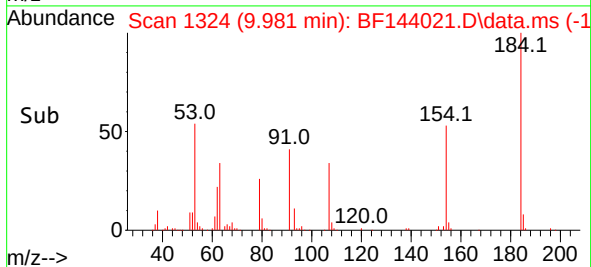
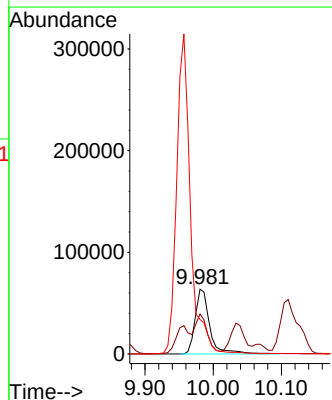
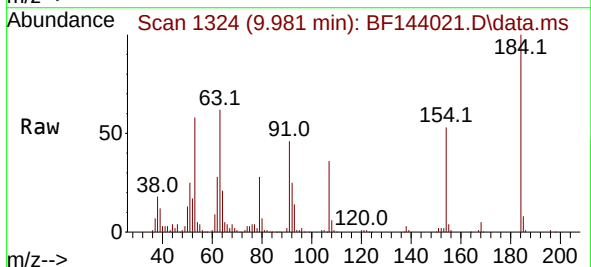
Instrument :
BNA_F
ClientSampleId :
41-LBMS

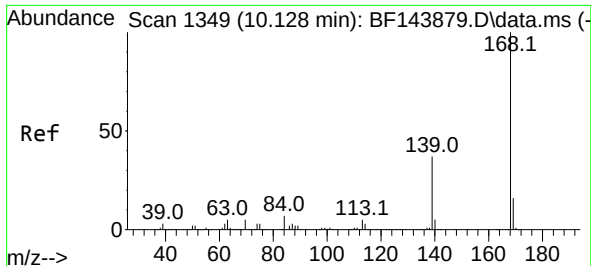
Tgt Ion:138 Resp: 88035
Ion Ratio Lower Upper
138 100
108 9.5 8.3 12.5
92 117.5 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 76.428 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:184 Resp: 94795
Ion Ratio Lower Upper
184 100
63 61.7 48.2 72.4
154 53.2 49.2 73.8

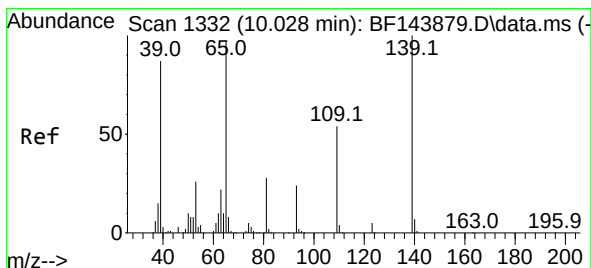
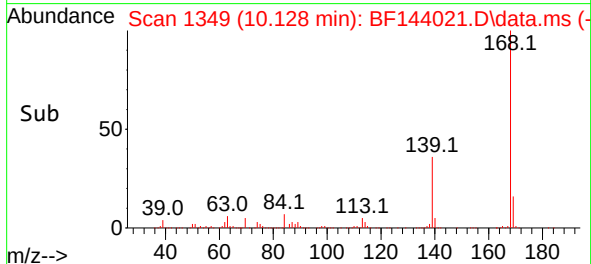
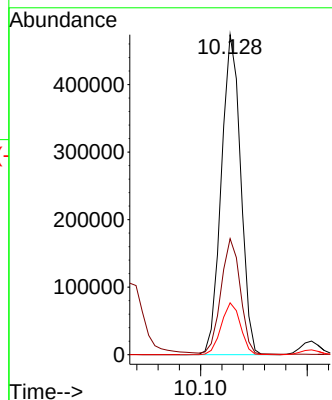
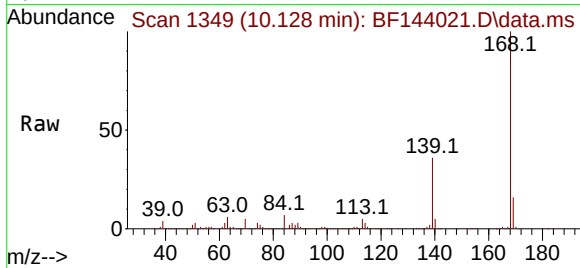




#55
Dibenzofuran
Concen: 48.381 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

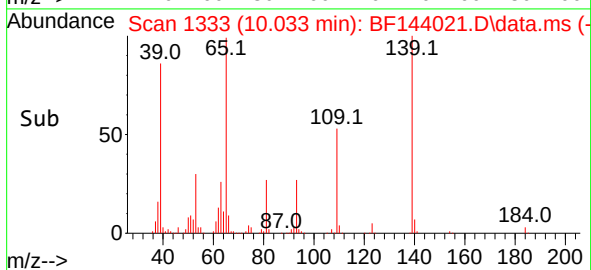
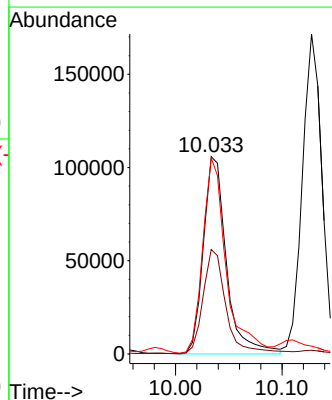
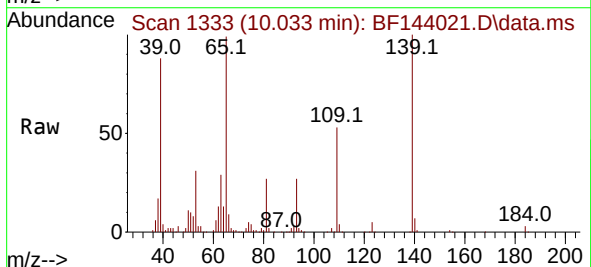
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ClientSampleId :
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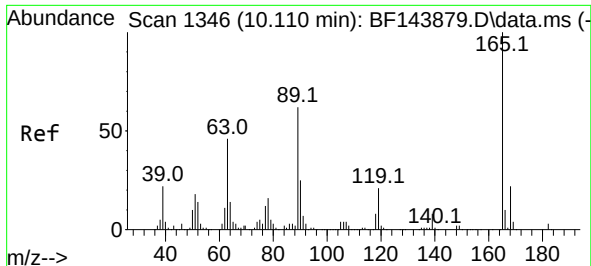
Tgt Ion:168 Resp: 595679
Ion Ratio Lower Upper
168 100
139 36.2 29.8 44.8
169 16.2 12.8 19.2



#56
4-Nitrophenol
Concen: 85.222 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:139 Resp: 159580
Ion Ratio Lower Upper
139 100
109 52.9 34.5 74.5
65 99.4 77.6 117.6

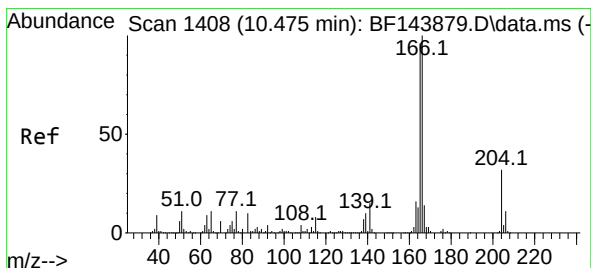
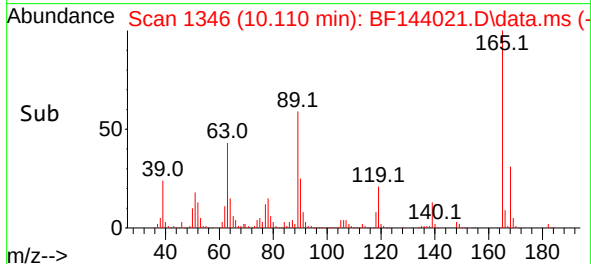
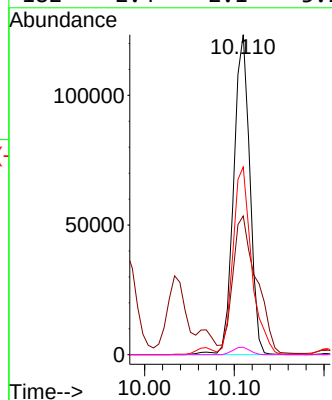
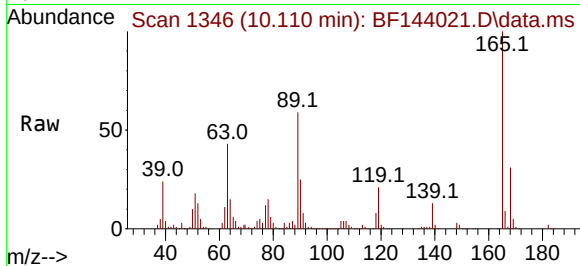




#57
2,4-Dinitrotoluene
Concen: 56.026 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

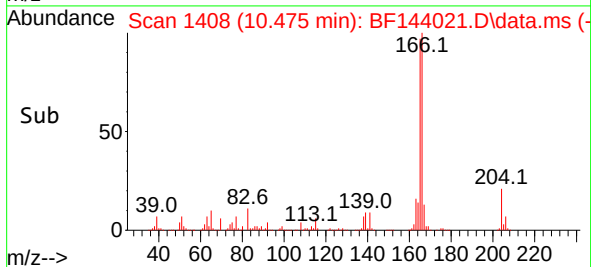
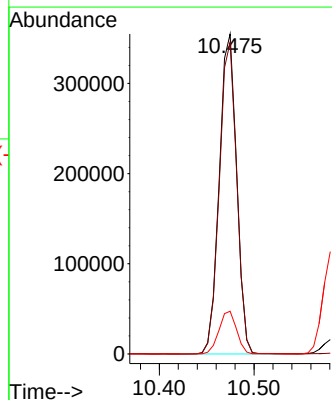
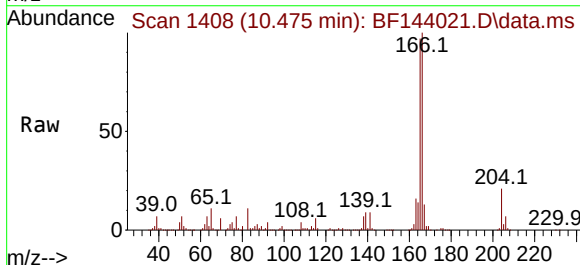
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ClientSampleId :
41-LBMS

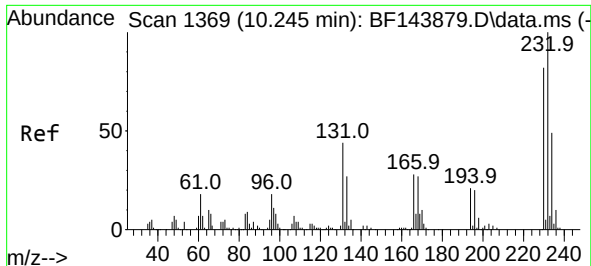
Tgt Ion:165 Resp: 153965
Ion Ratio Lower Upper
165 100
63 43.3 37.2 55.8
89 58.7 49.4 74.2
182 2.4 2.1 3.1



#58
Fluorene
Concen: 48.761 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:166 Resp: 453015
Ion Ratio Lower Upper
166 100
165 97.4 77.0 115.6
167 13.3 11.1 16.7

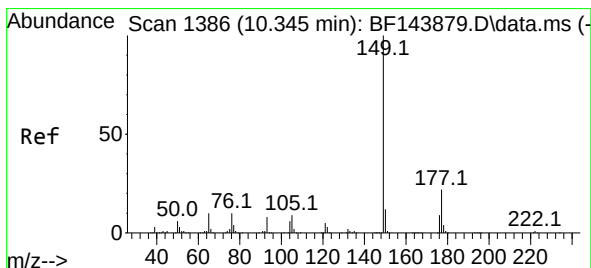
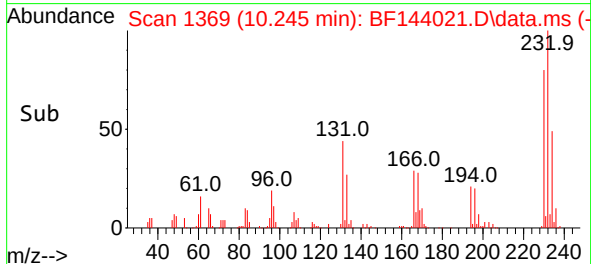
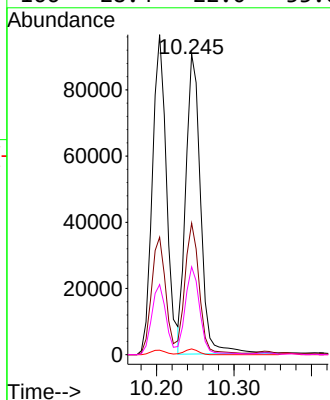
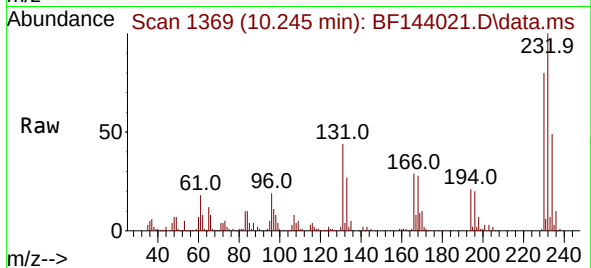




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.270 ng
RT: 10.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

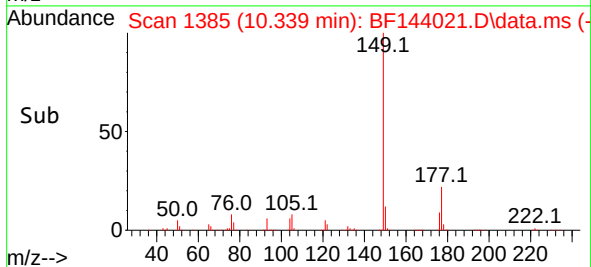
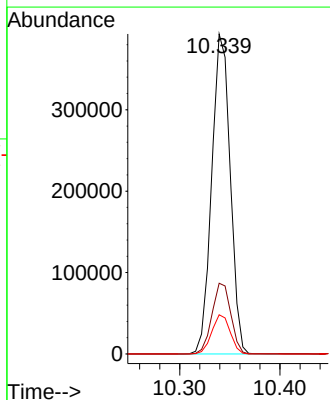
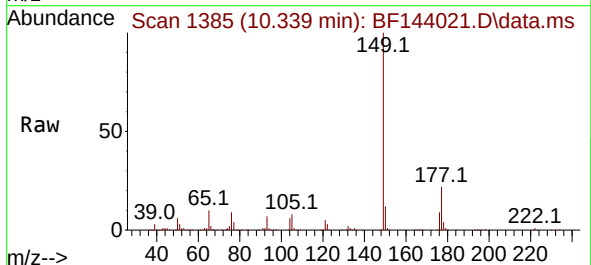
Instrument :
BNA_F
ClientSampleId :
41-LBMS

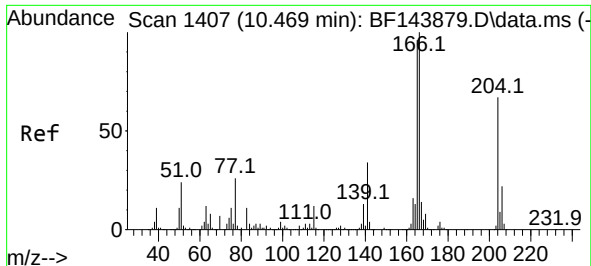
Tgt Ion:232 Resp: 119888
Ion Ratio Lower Upper
232 100
131 43.3 34.9 52.3
130 1.8 1.6 2.4
166 28.4 22.0 33.0



#60
Diethylphthalate
Concen: 49.823 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:149 Resp: 504158
Ion Ratio Lower Upper
149 100
177 22.1 17.9 26.9
150 12.3 9.8 14.8

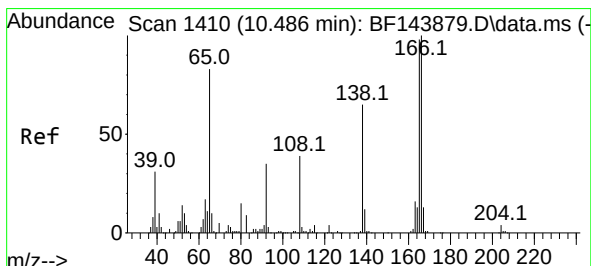
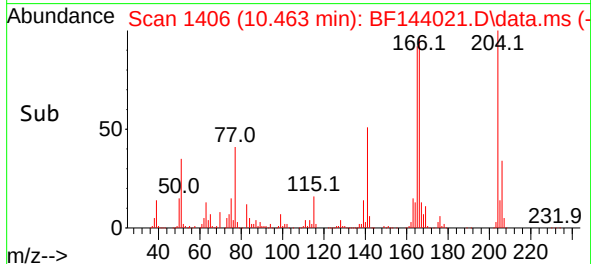
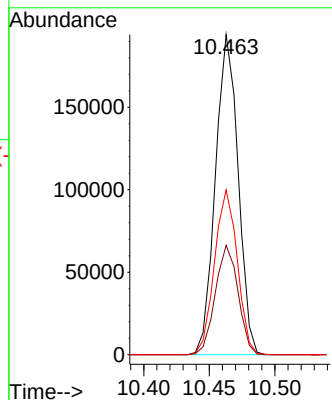
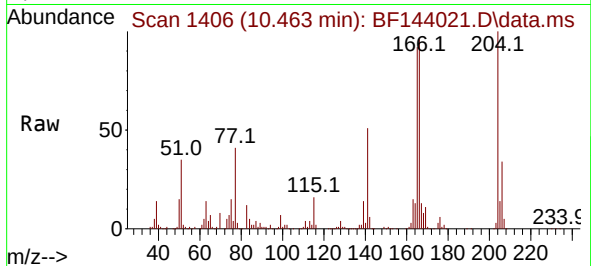




#61
4-Chlorophenyl-phenylether
Concen: 47.478 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

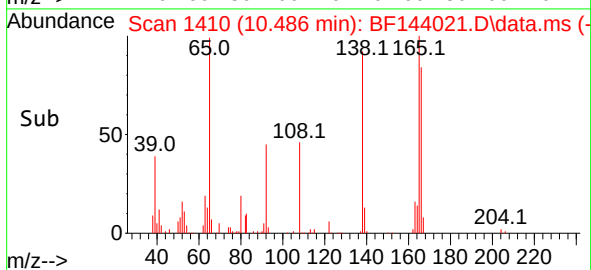
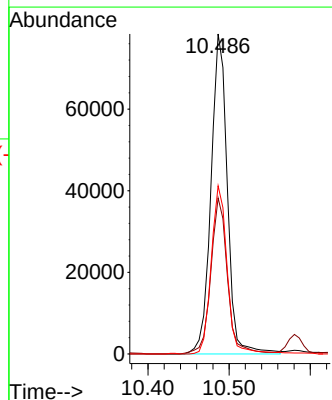
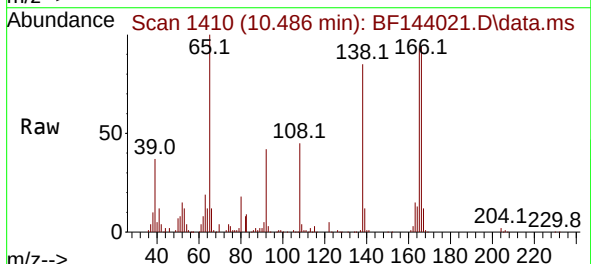
Instrument :
BNA_F
ClientSampleId :
41-LBMS

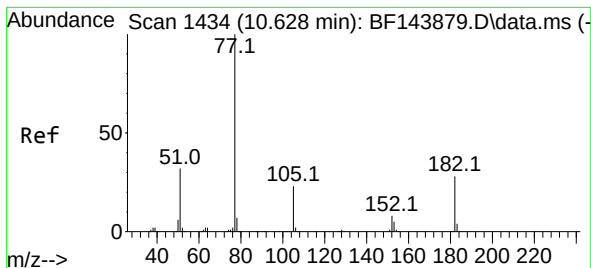
Tgt Ion:204 Resp: 233202
Ion Ratio Lower Upper
204 100
206 34.1 26.6 40.0
141 51.5 40.4 60.6



#62
4-Nitroaniline
Concen: 46.202 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:138 Resp: 109876
Ion Ratio Lower Upper
138 100
92 48.7 33.9 73.9
108 52.6 40.2 80.2





#63

Azobenzene

Concen: 51.970 ng

RT: 10.622 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion: 77 Resp: 549618

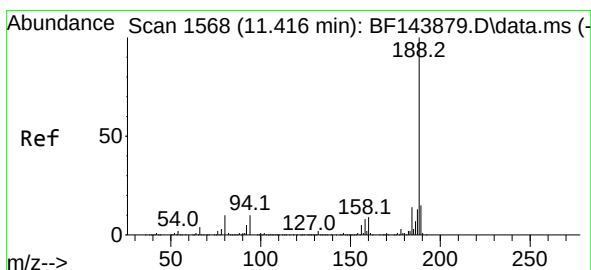
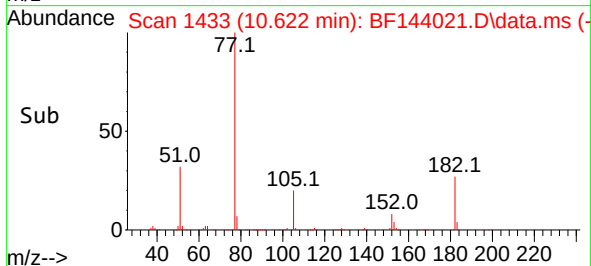
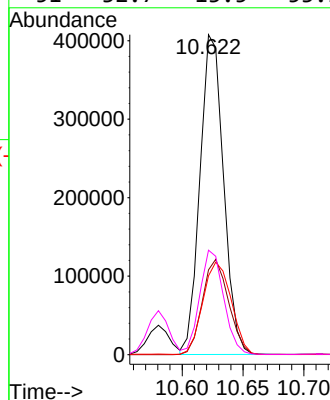
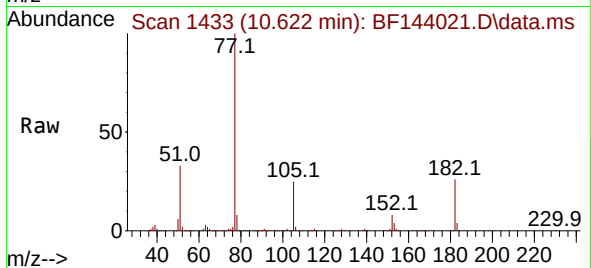
Ion Ratio Lower Upper

77 100

182 26.5 7.3 47.3

105 24.7 3.0 43.0

51 32.7 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1568

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

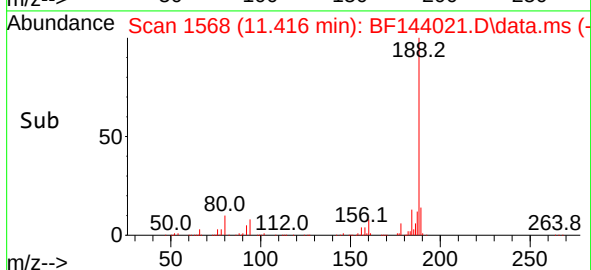
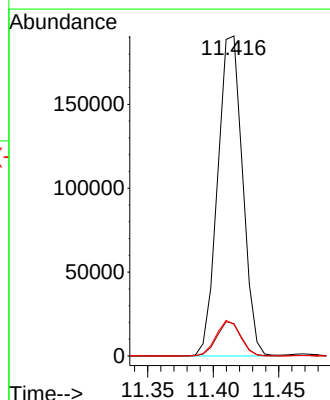
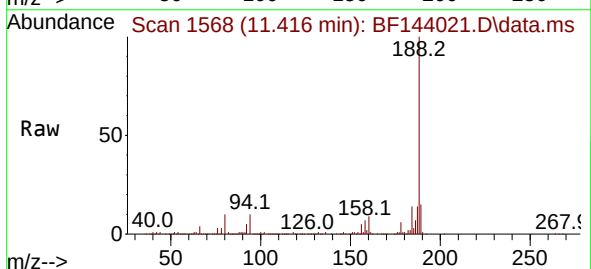
Tgt Ion:188 Resp: 251833

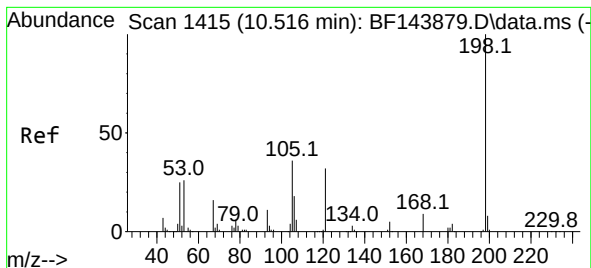
Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

80 9.9 7.9 11.9

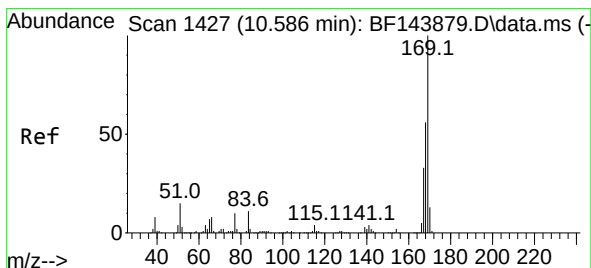
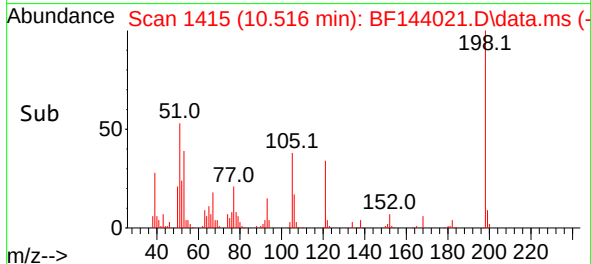
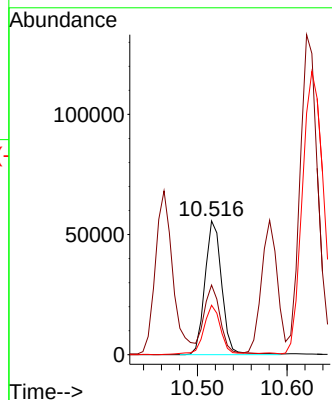
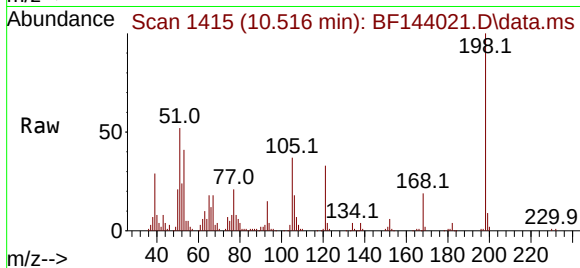




#65
4,6-Dinitro-2-methylphenol
Concen: 57.194 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

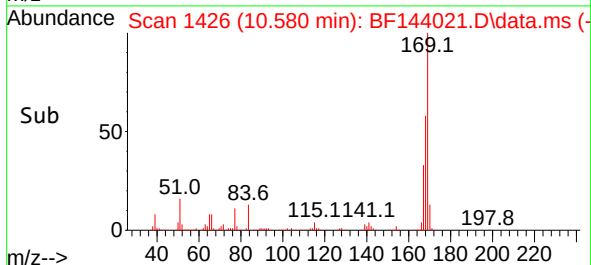
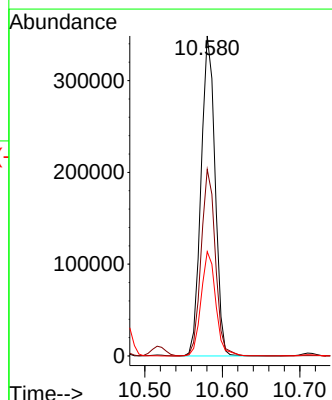
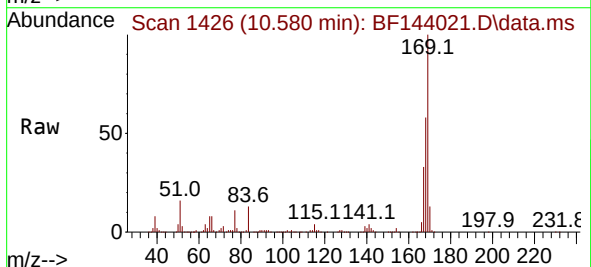
Instrument :
BNA_F
ClientSampleId :
41-LBMS

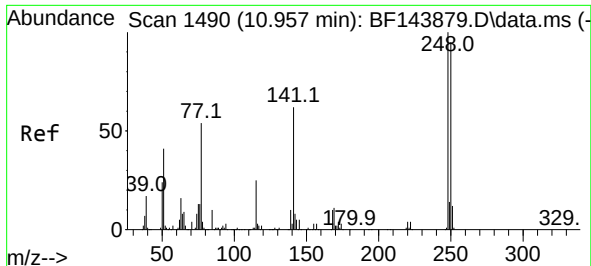
Tgt Ion:198 Resp: 72380
Ion Ratio Lower Upper
198 100
51 52.0 33.8 73.8
105 37.0 17.0 57.0



#66
n-Nitrosodiphenylamine
Concen: 55.459 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:169 Resp: 438535
Ion Ratio Lower Upper
169 100
168 58.3 44.9 67.3
167 32.6 26.3 39.5

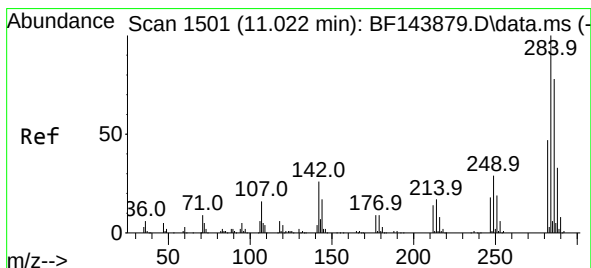
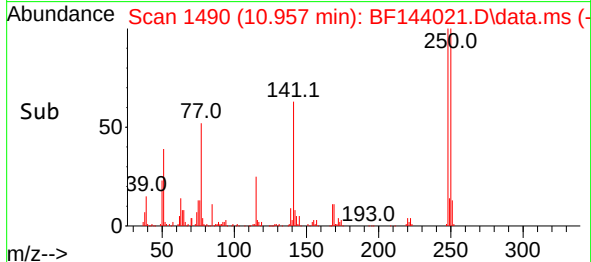
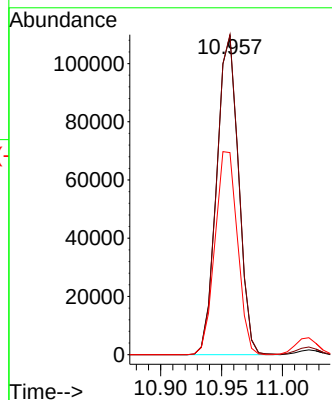
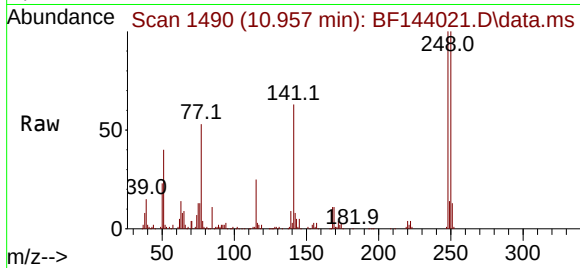




#67
4-Bromophenyl-phenylether
Concen: 49.230 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

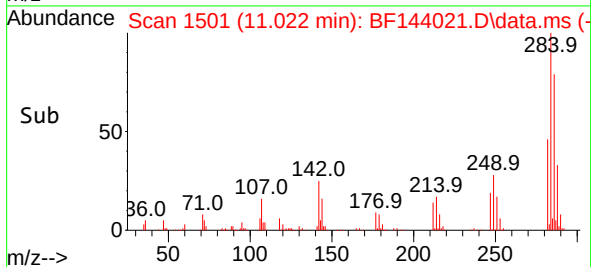
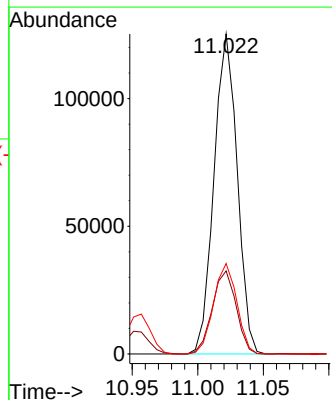
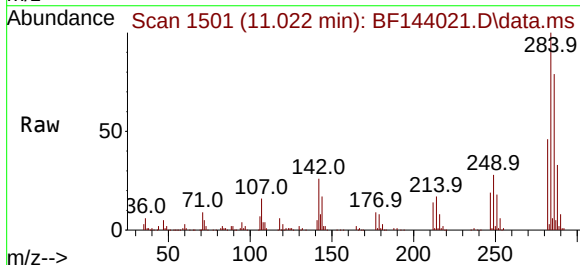
Instrument :
BNA_F
ClientSampleId :
41-LBMS

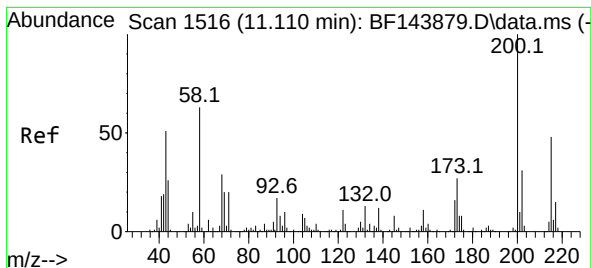
Tgt Ion:248 Resp: 137013
Ion Ratio Lower Upper
248 100
250 100.4 76.3 114.5
141 63.4 49.7 74.5



#68
Hexachlorobenzene
Concen: 47.842 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:284 Resp: 154149
Ion Ratio Lower Upper
284 100
142 26.0 20.6 30.8
249 28.3 23.2 34.8





#69

Atrazine

Concen: 53.661 ng

RT: 11.110 min Scan# 1516

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

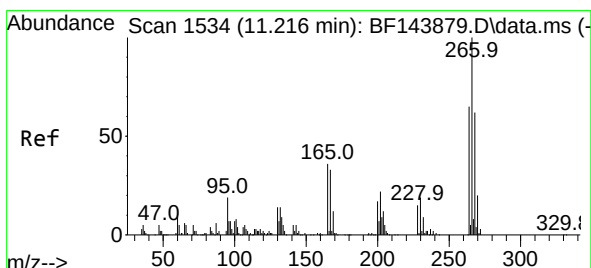
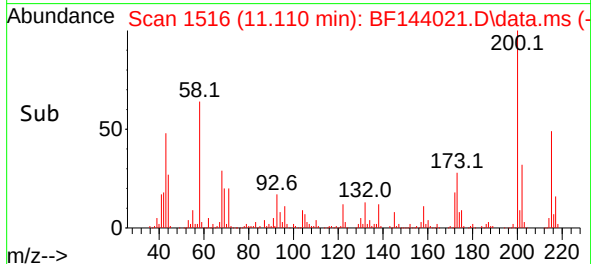
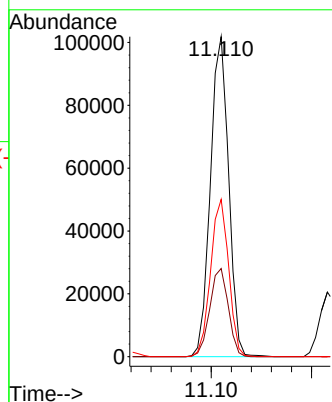
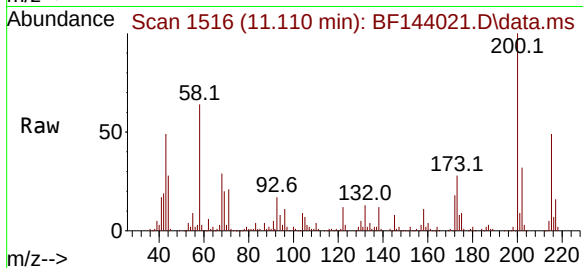
Tgt Ion:200 Resp: 128608

Ion Ratio Lower Upper

200 100

173 27.6 7.0 47.0

215 49.2 27.8 67.8



#70

Pentachlorophenol

Concen: 83.709 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

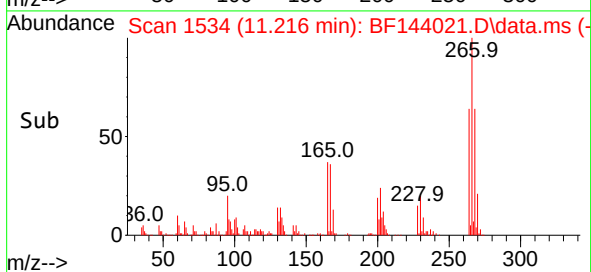
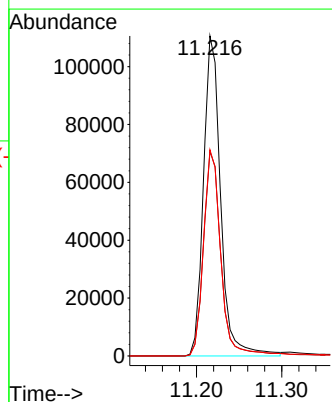
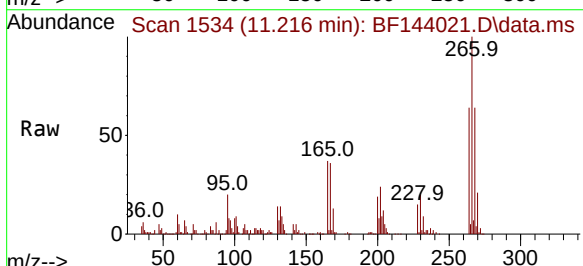
Tgt Ion:266 Resp: 154905

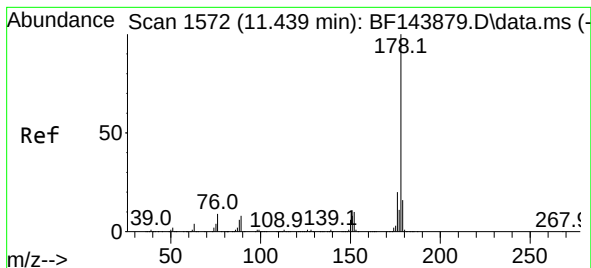
Ion Ratio Lower Upper

266 100

268 63.9 49.4 74.0

264 64.5 51.8 77.6





#71

Phenanthrene

Concen: 51.314 ng

RT: 11.439 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

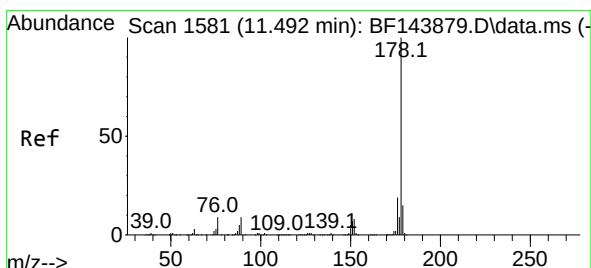
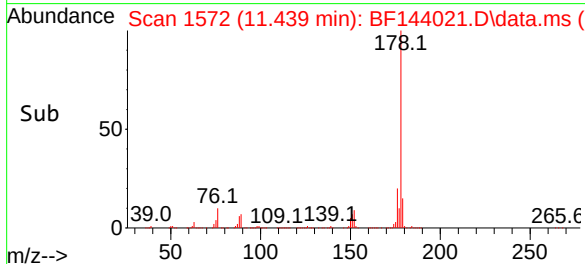
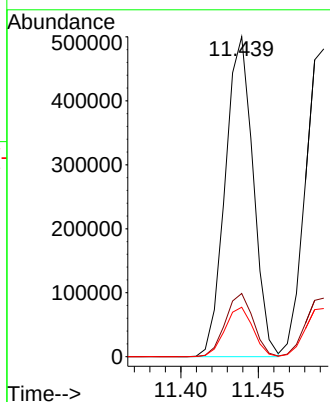
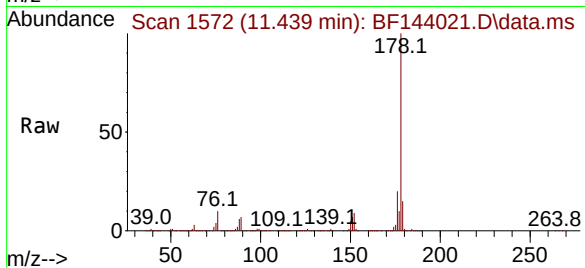
Tgt Ion:178 Resp: 626490

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 15.4 12.4 18.6



#72

Anthracene

Concen: 51.152 ng

RT: 11.492 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

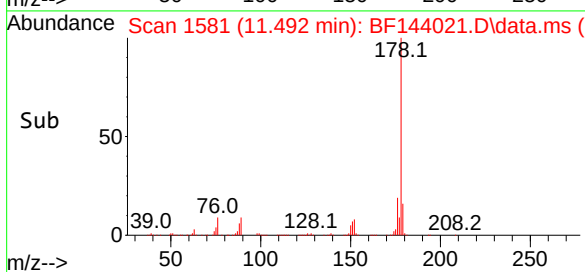
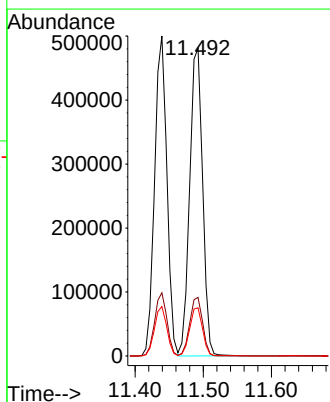
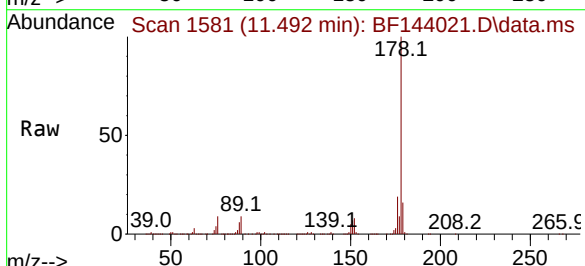
Tgt Ion:178 Resp: 630911

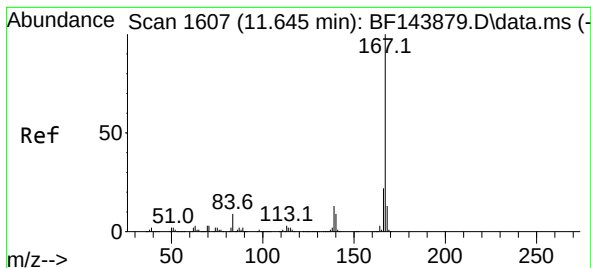
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

179 15.6 12.2 18.2





#73

Carbazole

Concen: 50.629 ng

RT: 11.645 min Scan# 1607

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

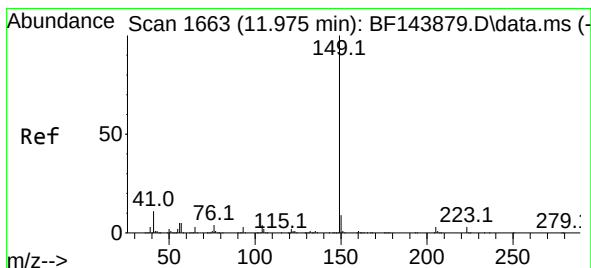
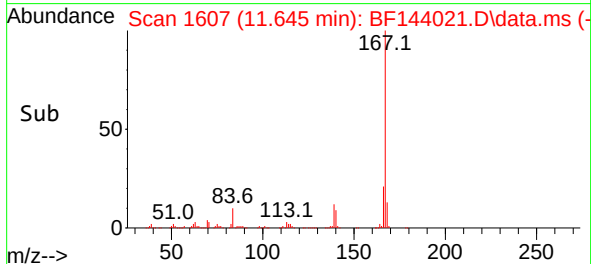
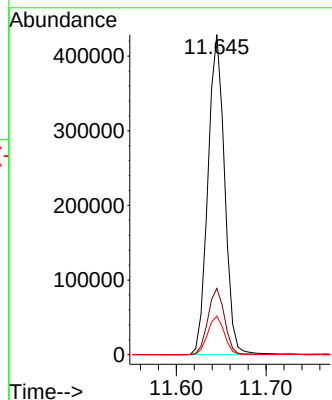
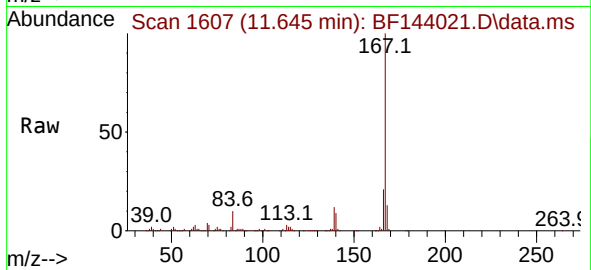
Tgt Ion:167 Resp: 553053

Ion Ratio Lower Upper

167 100

166 20.7 17.2 25.8

139 12.1 10.1 15.1



#74

Di-n-butylphthalate

Concen: 53.897 ng

RT: 11.975 min Scan# 1663

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

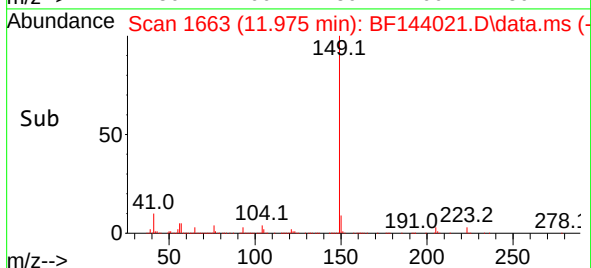
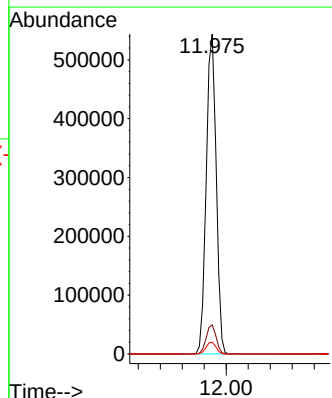
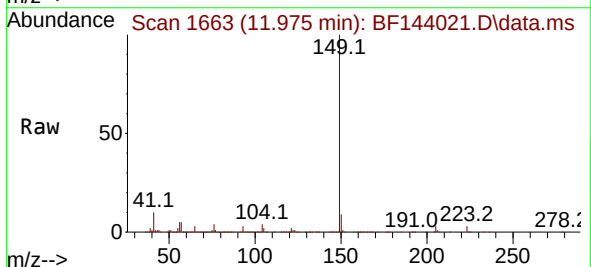
Tgt Ion:149 Resp: 682358

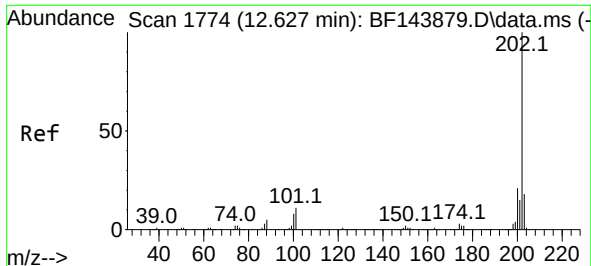
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 3.7 3.4 5.2

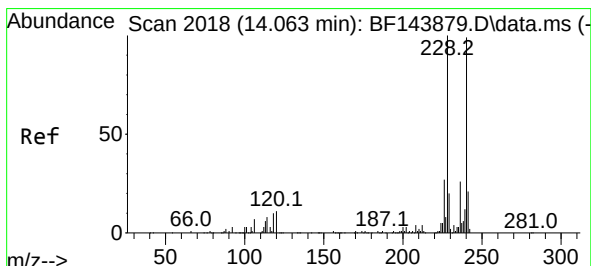
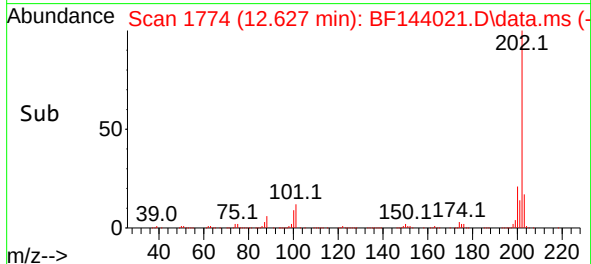
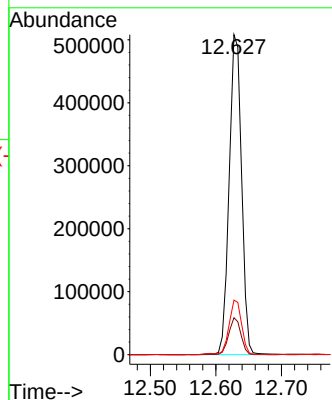
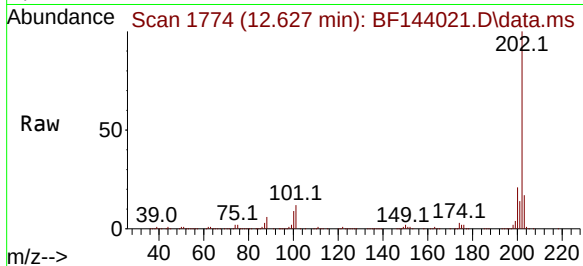




#75
Fluoranthene
Concen: 52.931 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

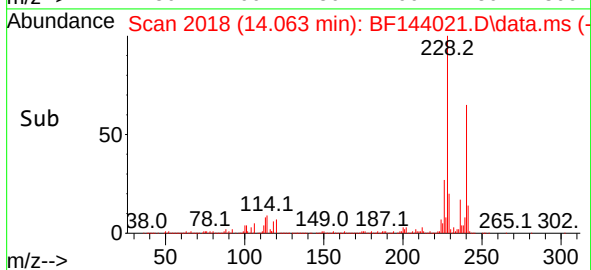
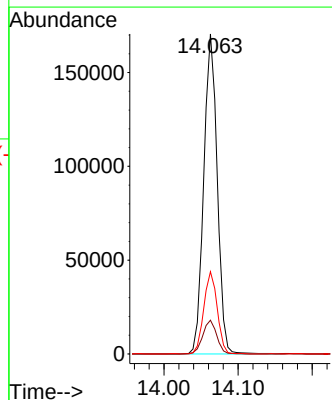
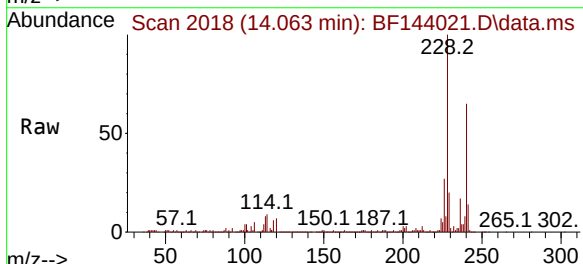
Instrument :
BNA_F
ClientSampleId :
41-LBMS

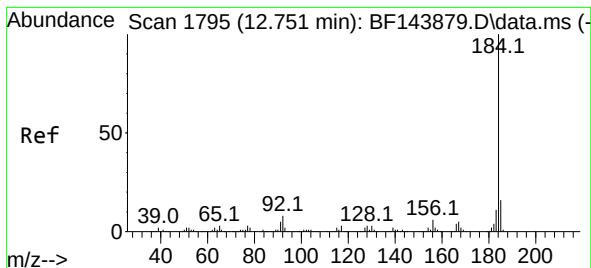
Tgt Ion:202 Resp: 667503
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.7
203 17.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:240 Resp: 215570
Ion Ratio Lower Upper
240 100
120 10.5 8.6 13.0
236 25.7 21.1 31.7





#77

Benzidine

Concen: 41.830 ng

RT: 12.751 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

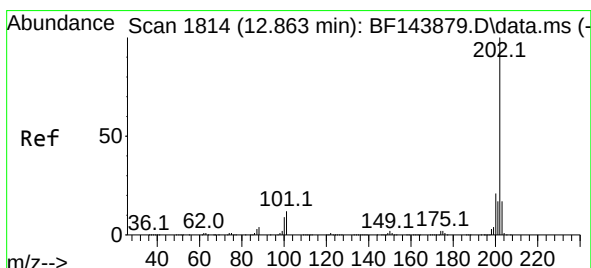
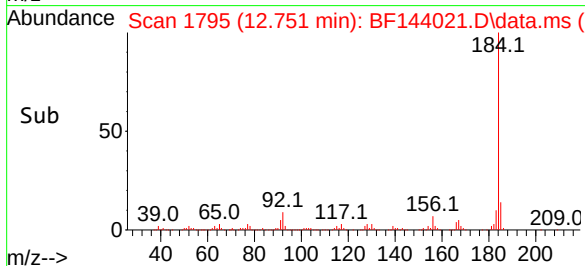
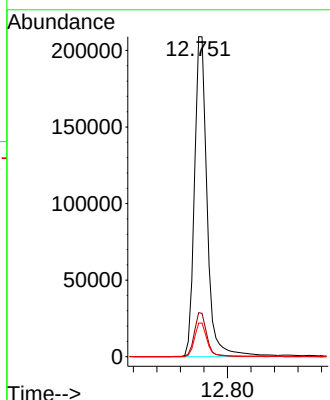
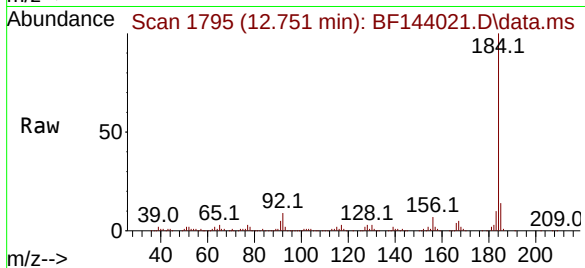
Tgt Ion:184 Resp: 313101

Ion Ratio Lower Upper

184 100

185 13.7 12.6 18.8

183 10.5 8.8 13.2



#78

Pyrene

Concen: 38.521 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

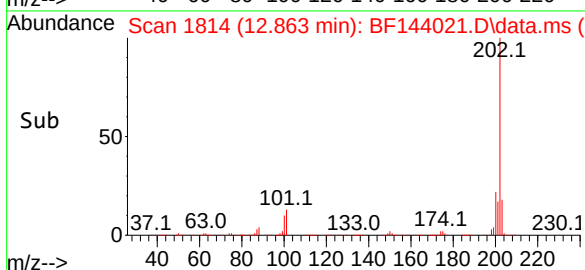
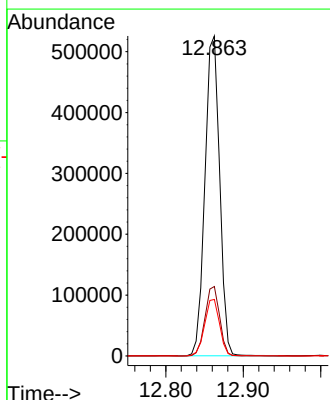
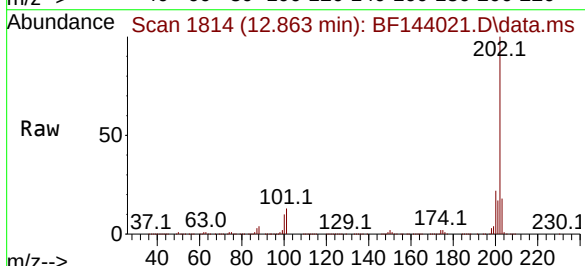
Tgt Ion:202 Resp: 692293

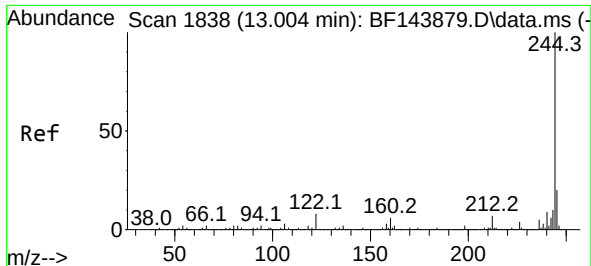
Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.6

203 17.6 13.8 20.6

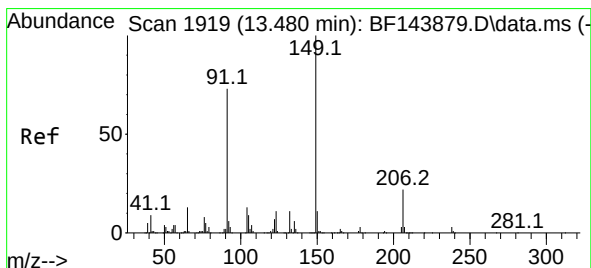
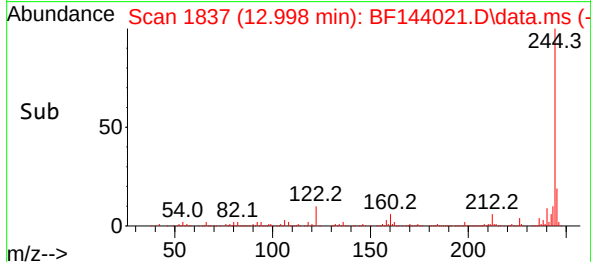
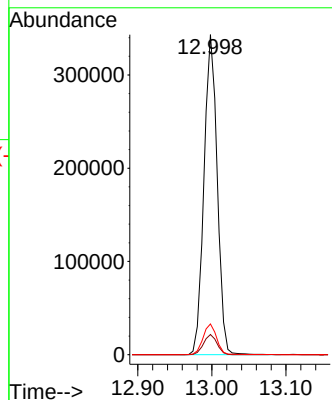
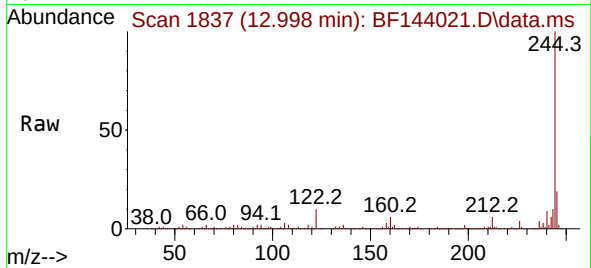




#79
 Terphenyl-d14
 Concen: 33.924 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

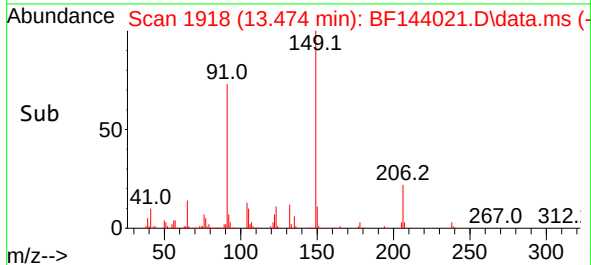
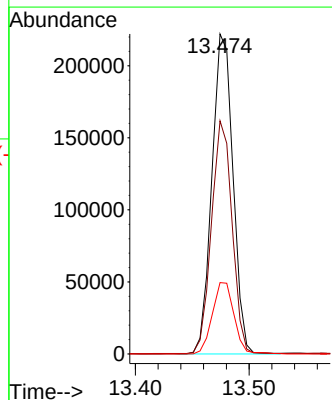
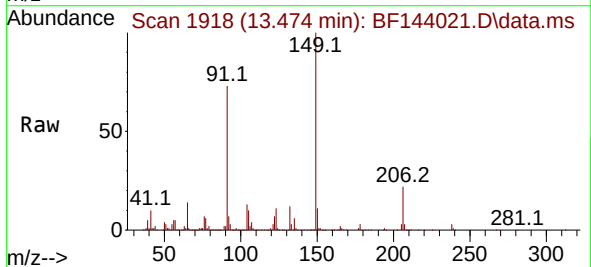
Instrument :
 BNA_F
 ClientSampleId :
 41-LBMS

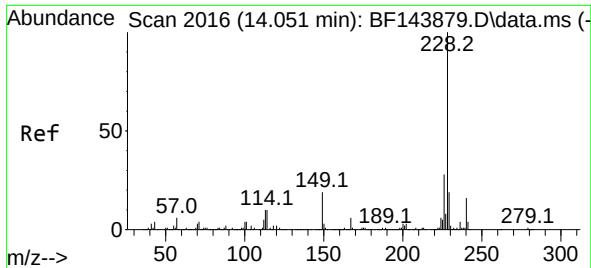
Tgt Ion:244 Resp: 427888
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 9.6 6.4 9.6



#80
 Butylbenzylphthalate
 Concen: 49.027 ng
 RT: 13.474 min Scan# 1918
 Delta R.T. -0.006 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

Tgt Ion:149 Resp: 286154
 Ion Ratio Lower Upper
 149 100
 91 72.9 58.2 87.2
 206 22.3 17.9 26.9

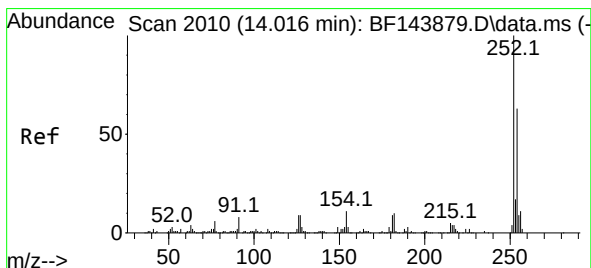
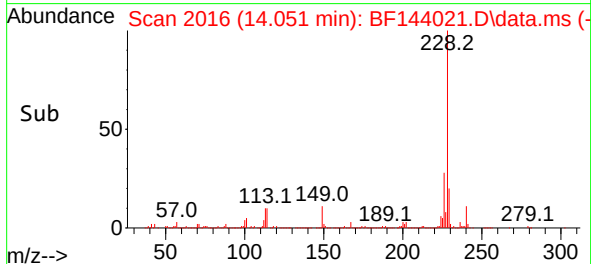
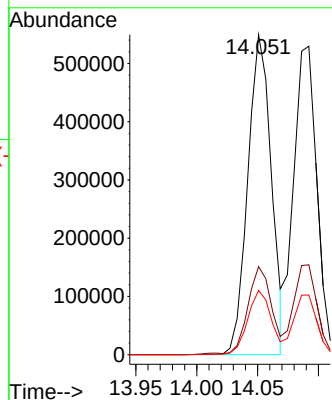
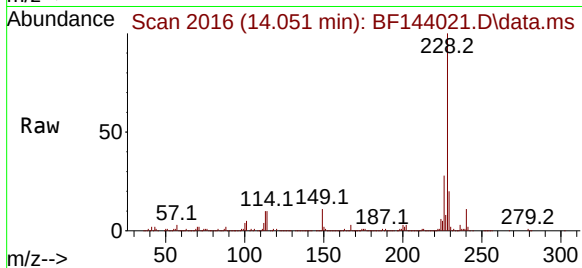




#81
Benzo(a)anthracene
Concen: 52.387 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

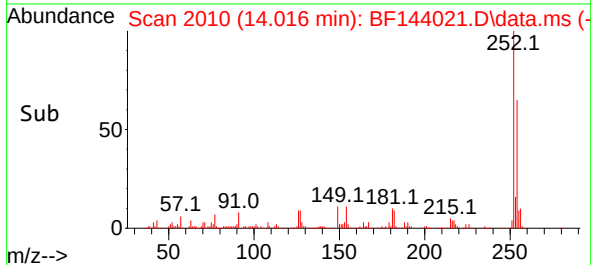
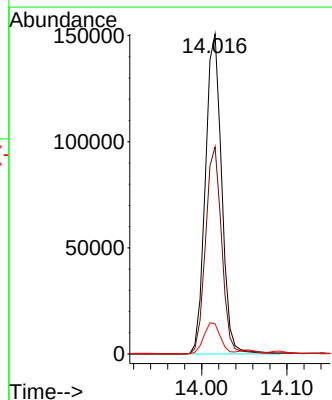
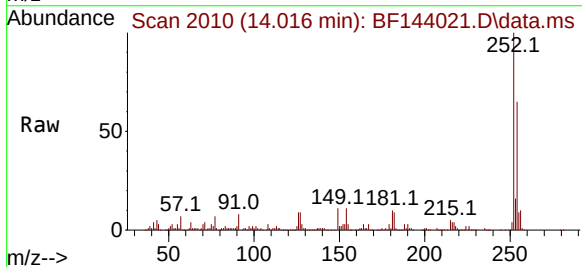
Instrument :
BNA_F
ClientSampleId :
41-LBMS

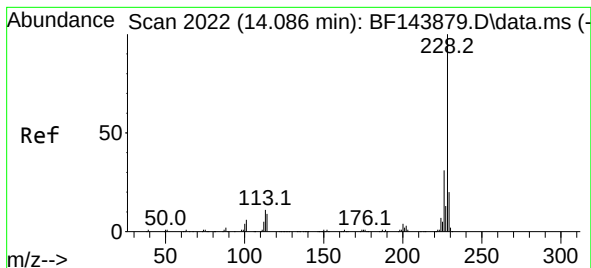
Tgt Ion:228 Resp: 739023
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.2
229 20.1 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 46.695 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:252 Resp: 200747
Ion Ratio Lower Upper
252 100
254 64.7 50.6 76.0
126 9.4 7.0 10.6





#83

Chrysene

Concen: 53.675 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

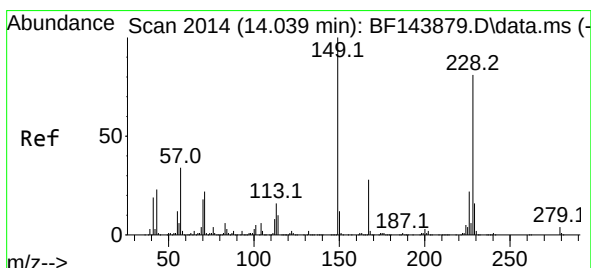
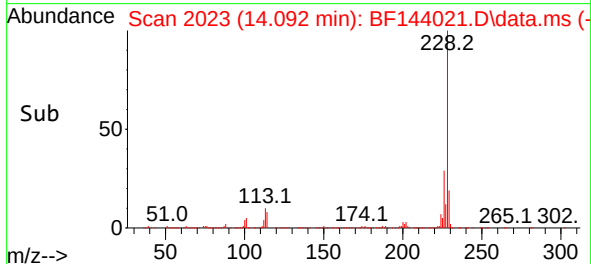
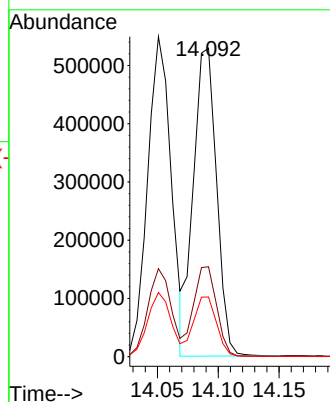
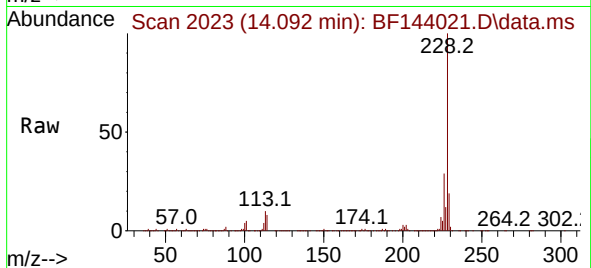
Tgt Ion:228 Resp: 700802

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

229 19.3 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.288 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

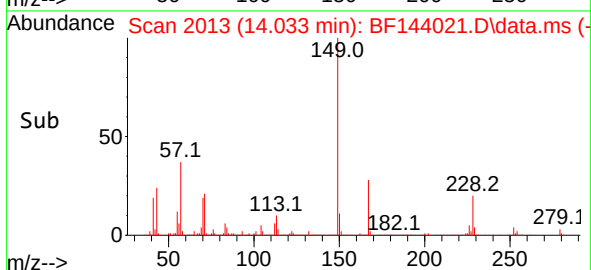
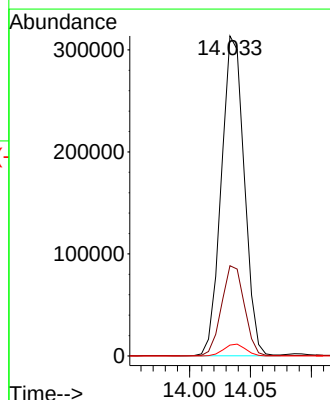
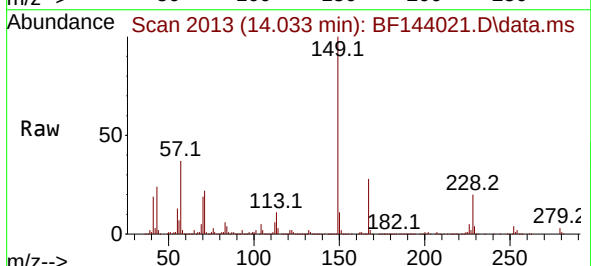
Tgt Ion:149 Resp: 410102

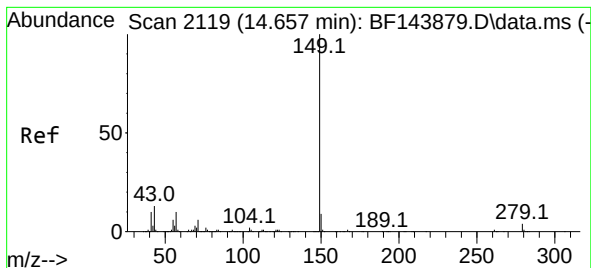
Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.4

279 3.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 67.995 ng

RT: 14.651 min Scan# 2119

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

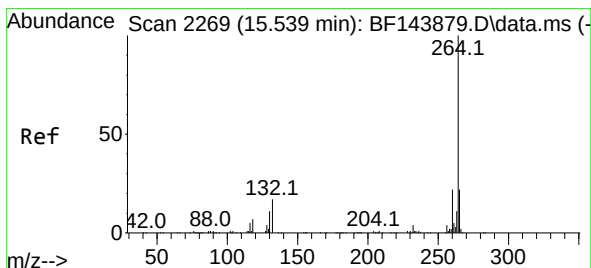
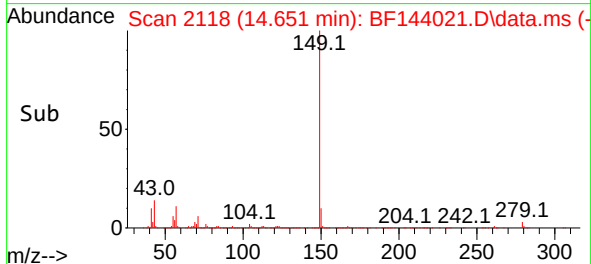
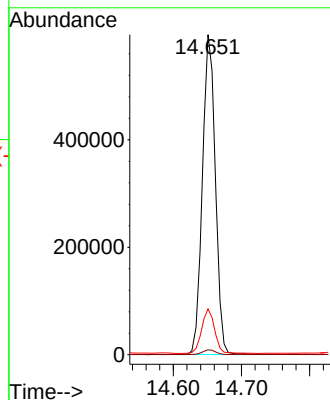
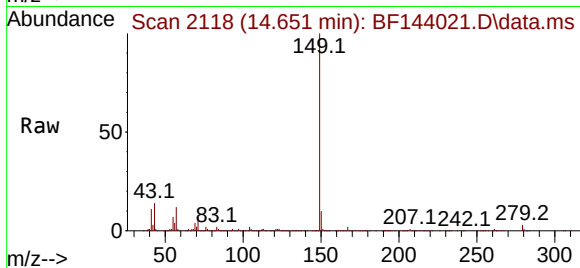
Tgt Ion:149 Resp: 785742

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 13.8 11.0 16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

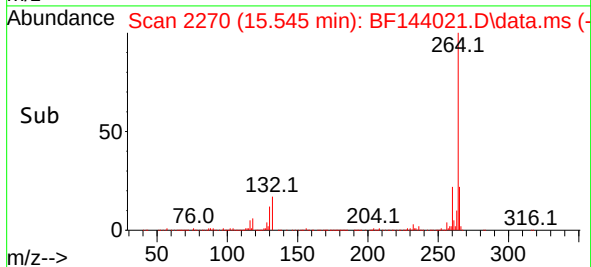
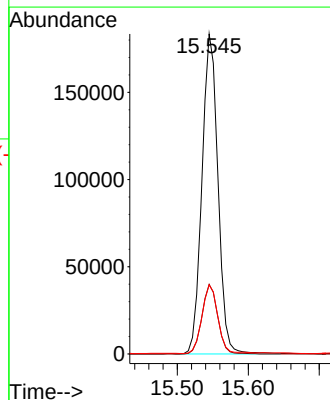
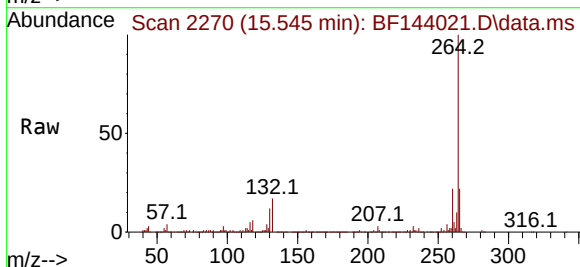
Tgt Ion:264 Resp: 288346

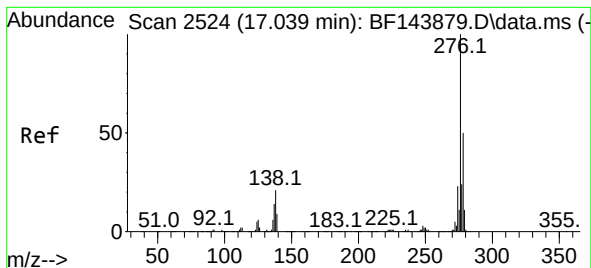
Ion Ratio Lower Upper

264 100

260 21.7 17.8 26.8

265 21.6 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.747 ng

RT: 17.057 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

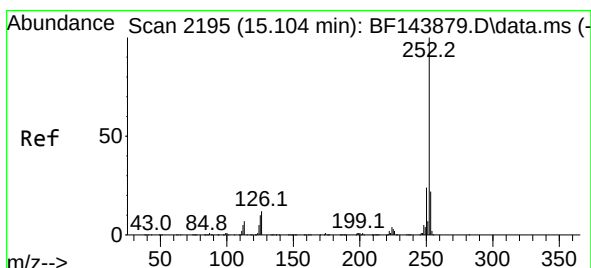
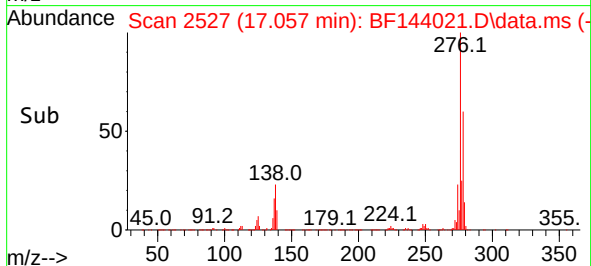
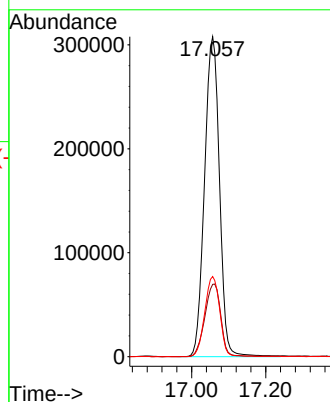
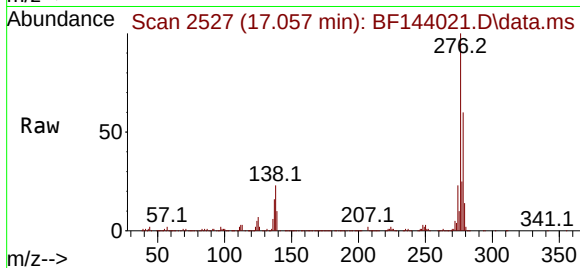
Tgt Ion:276 Resp: 861279

Ion Ratio Lower Upper

276 100

138 23.9 18.2 27.2

277 25.2 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 50.075 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

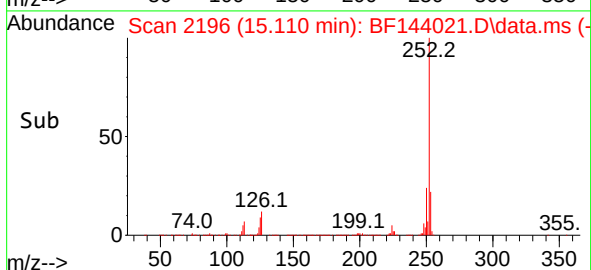
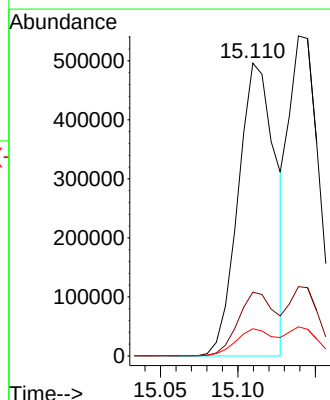
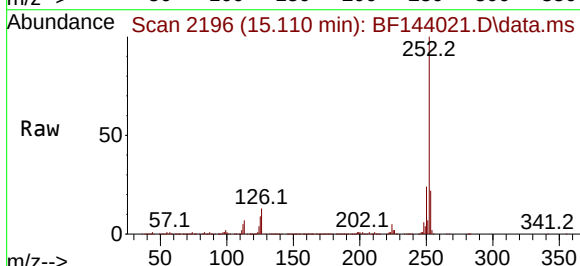
Tgt Ion:252 Resp: 829420

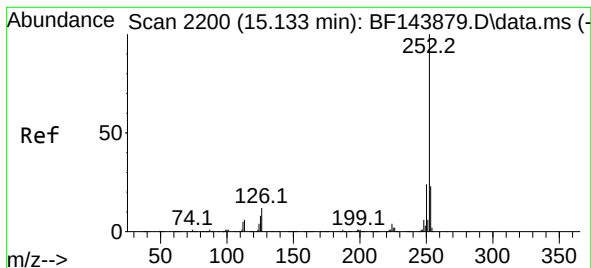
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.3 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 47.417 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

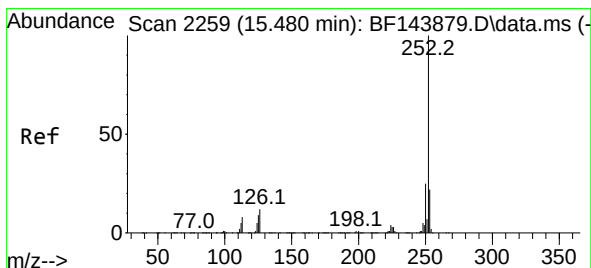
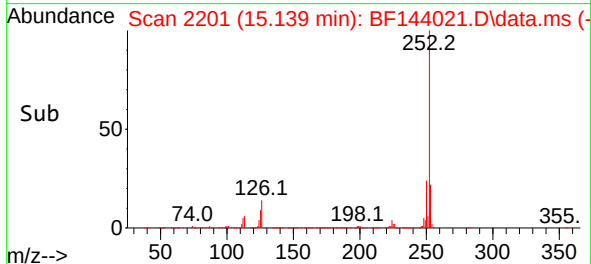
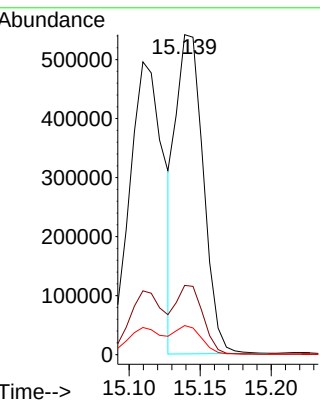
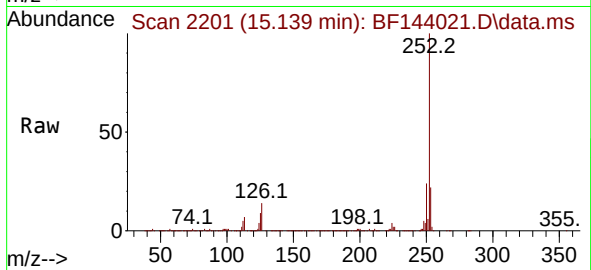
Tgt Ion:252 Resp: 726742

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 9.1 7.4 11.2



#90

Benzo(a)pyrene

Concen: 52.796 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

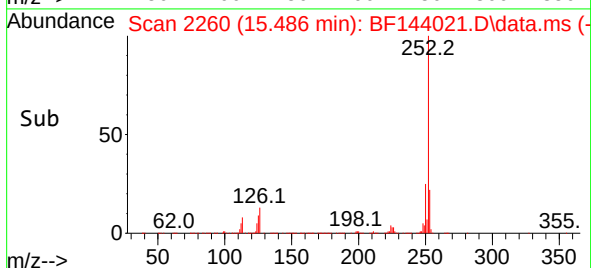
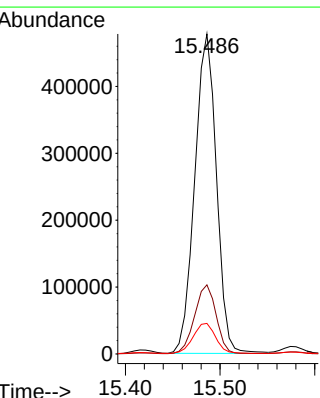
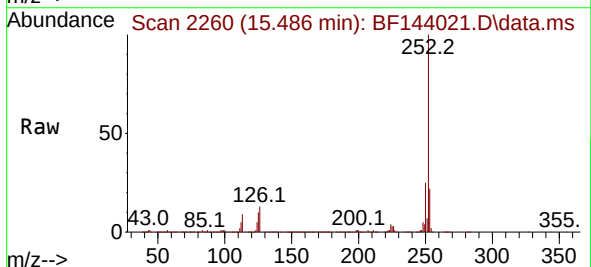
Tgt Ion:252 Resp: 758262

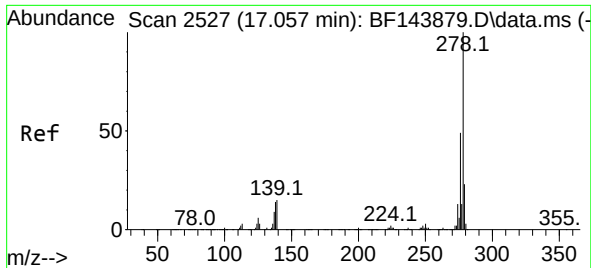
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 9.6 7.0 10.4

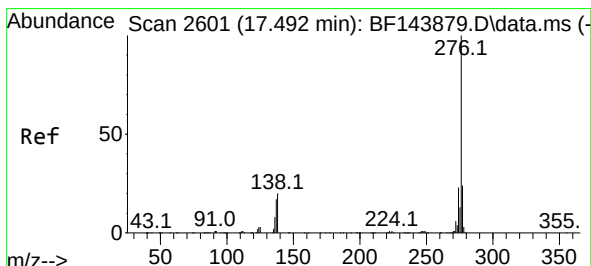
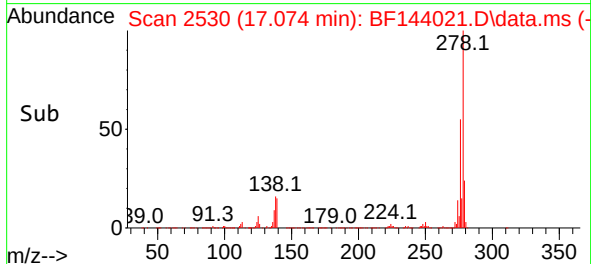
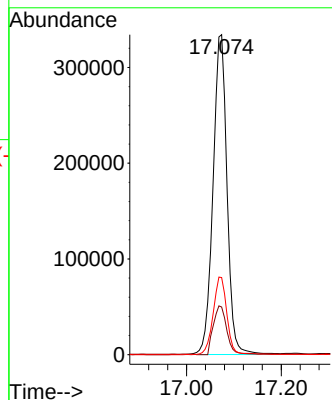
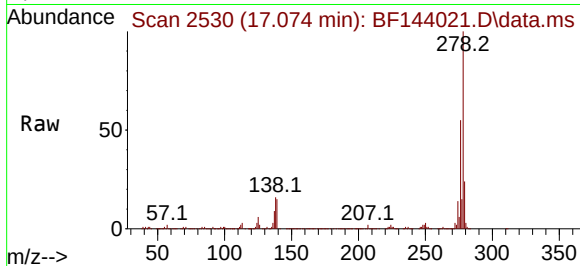




#91
Dibenzo(a,h)anthracene
Concen: 48.346 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:278 Resp: 686996
Ion Ratio Lower Upper
278 100
139 14.9 11.7 17.5
279 24.1 18.4 27.6



#92
Benzo(g,h,i)perylene
Concen: 46.573 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:276 Resp: 661800
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.6
138 21.8 16.1 24.1

