

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143198.D
 Acq On : 22 Jul 2025 19:51
 Operator : RC/JU
 Sample : Q2646-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC TANK

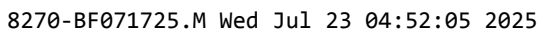
Quant Time: Jul 23 04:51:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

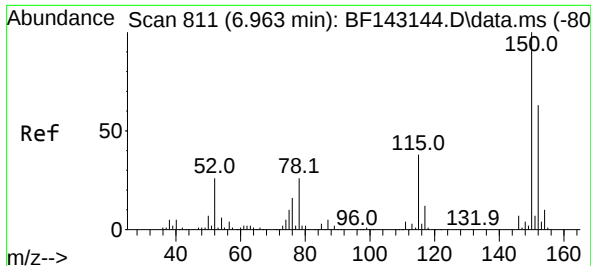
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	49096	20.000	ng	0.02
21) Naphthalene-d8	8.269	136	345774	20.000	ng	0.02
39) Acenaphthene-d10	10.004	164	154112	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	263977	20.000	ng	0.00
76) Chrysene-d12	14.151	240	258410	20.000	ng	0.03
86) Perylene-d12	15.645	264	120241	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.787	112	505237	162.848	ng	0.20
7) Phenol-d6	6.675	99	454882	116.485	ng	0.09
23) Nitrobenzene-d5	7.545	82	526527	75.905	ng	0.02
42) 2,4,6-Tribromophenol	10.792	330	192596	120.973	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	885683	78.597	ng	0.00
79) Terphenyl-d14	13.092	244	900783	51.873	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.857	88	22449	15.292	ng	# 1
10) Phenol	6.687	94	58764	13.813	ng	77
15) Benzyl Alcohol	7.163	79	41650	13.968	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.239	45	1550702	256.638	ng	90
17) 2-Methylphenol	7.287	107	130441	47.704	ng	# 14
18) Hexachloroethane	7.516	117	7072	5.742	ng	# 1
19) n-Nitroso-di-n-propyla...	7.545	70	165052	65.879	ng	# 67
20) 3+4-Methylphenols	7.410	107	43141	13.004	ng	# 77
22) Acetophenone	7.375	105	20670	2.525	ng	# 51
24) Nitrobenzene	7.534	77	133728	20.678	ng	# 48
32) Benzoic acid	8.210	122	161374	49.849	ng	95
35) Caprolactam	8.675	113	12085	8.289	ng	# 1
37) 2-Methylnaphthalene	8.975	142	31462	3.036	ng	97
38) 1-Methylnaphthalene	8.975	142	31462	2.948	ng	100
53) 3-Nitroaniline	10.175	138	105732	44.235	ng	# 17
54) 2,4-Dinitrophenol	10.057	184	619	7.276	ng	# 1
60) Diethylphthalate	10.410	149	97198	9.789	ng	98
63) Azobenzene	10.710	77	45522	4.399	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.569	198	201	5.541	ng	# 1
69) Atrazine	11.204	200	6629	2.587	ng	# 64
74) Di-n-butylphthalate	12.045	149	29957	2.121	ng	# 87
84) Bis(2-ethylhexyl)phtha...	14.127	149	27750	2.715	ng	100

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

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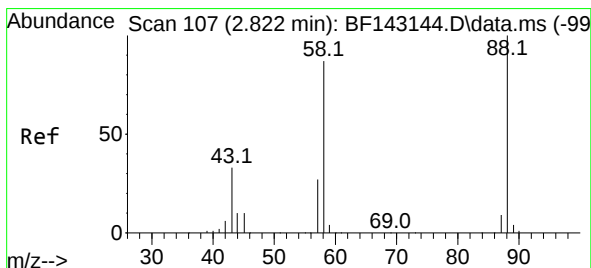
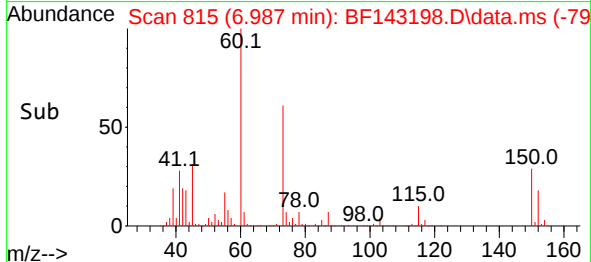
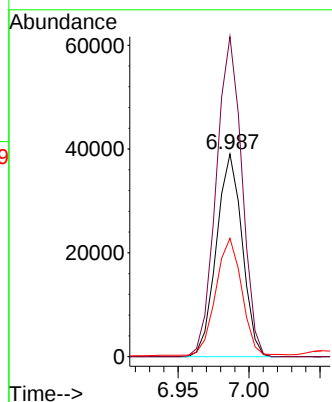
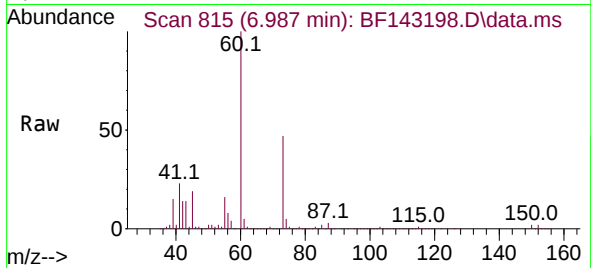




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.987 min Scan# 81
 Delta R.T. 0.024 min
 Lab File: BF143198.D
 Acq: 22 Jul 2025 19:51

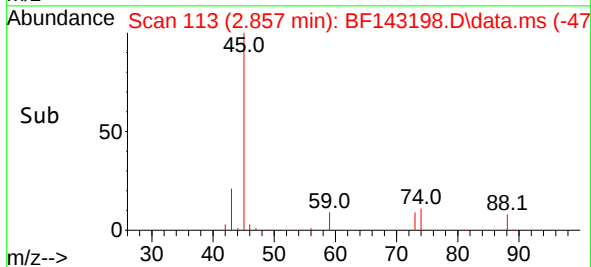
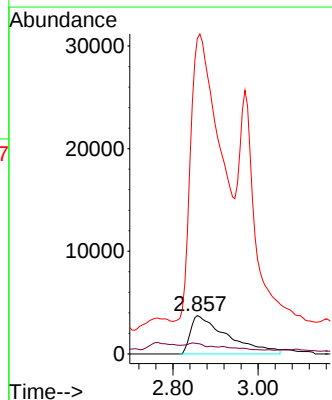
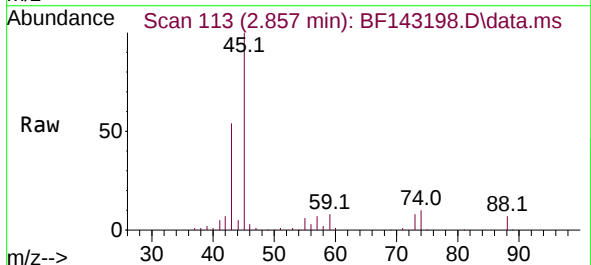
Instrument :
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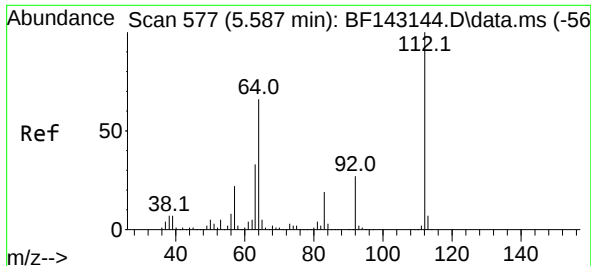
Tgt Ion:152 Resp: 49096
 Ion Ratio Lower Upper
 152 100
 150 158.1 128.2 192.4
 115 58.4 47.9 71.9



#2
 1,4-Dioxane
 Concen: 15.292 ng
 RT: 2.857 min Scan# 113
 Delta R.T. 0.035 min
 Lab File: BF143198.D
 Acq: 22 Jul 2025 19:51

Tgt Ion: 88 Resp: 22449
 Ion Ratio Lower Upper
 88 100
 58 0.0 70.2 105.2#
 43 630.2 27.1 40.7#

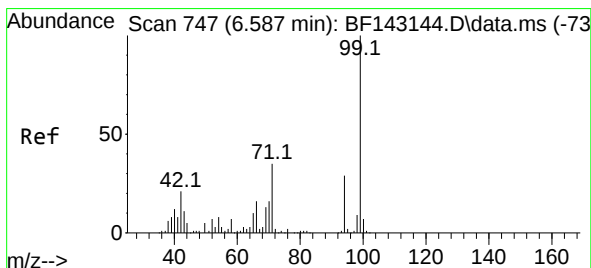
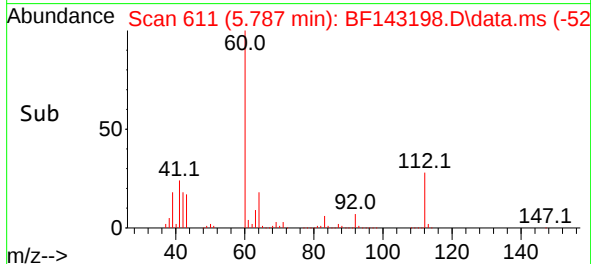
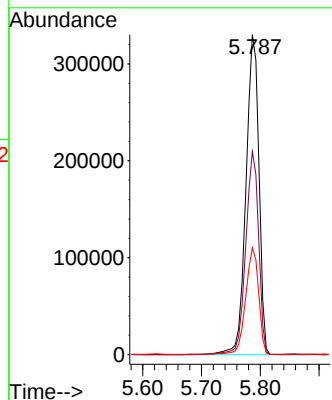
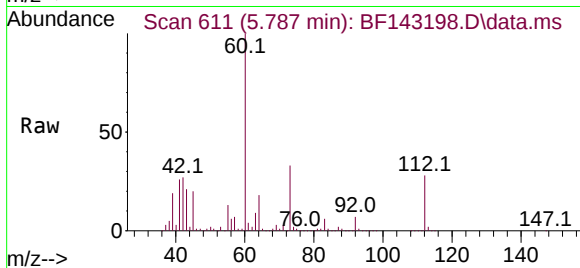




#5
2-Fluorophenol
Concen: 162.848 ng
RT: 5.787 min Scan# 611
Delta R.T. 0.200 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

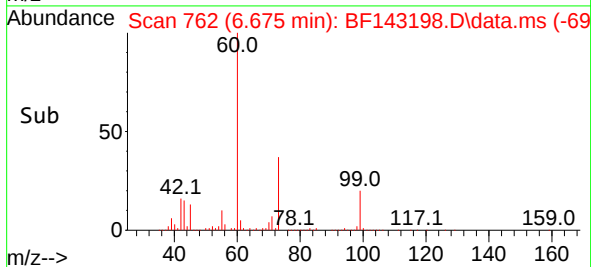
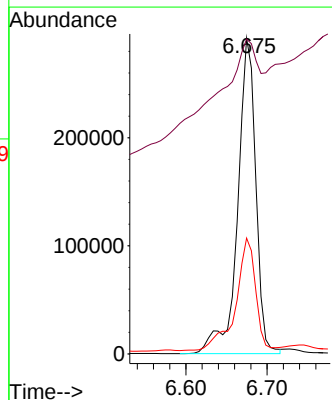
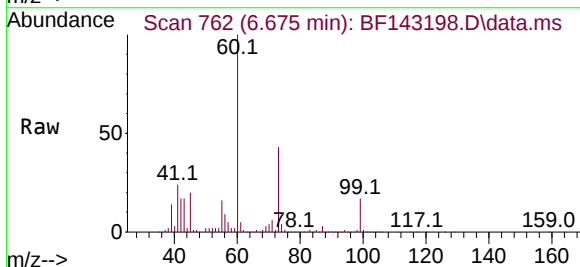
Instrument :
BNA_F
ClientSampleId :
FRAC TANK

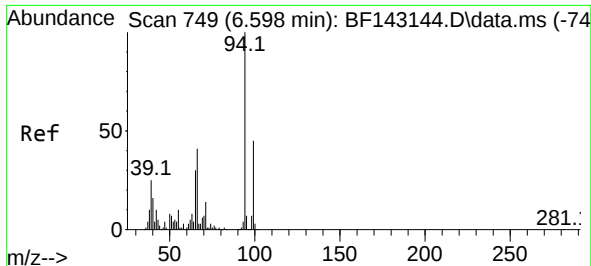
Tgt Ion:112 Resp: 505237
Ion Ratio Lower Upper
112 100
64 63.5 53.1 79.7
63 33.4 26.6 40.0



#7
Phenol-d6
Concen: 116.485 ng
RT: 6.675 min Scan# 762
Delta R.T. 0.088 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion: 99 Resp: 454882
Ion Ratio Lower Upper
99 100
42 99.6 17.0 25.6#
71 36.6 27.7 41.5





#10

Phenol

Concen: 13.813 ng

RT: 6.687 min Scan# 749

Delta R.T. 0.088 min

Lab File: BF143198.D

Acq: 22 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

FRAC TANK

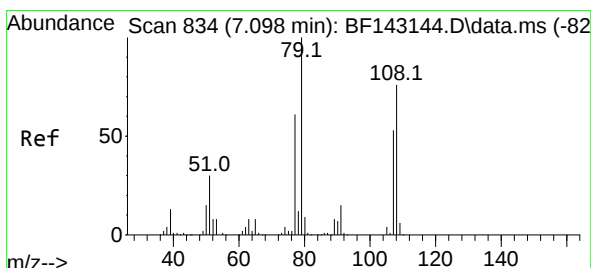
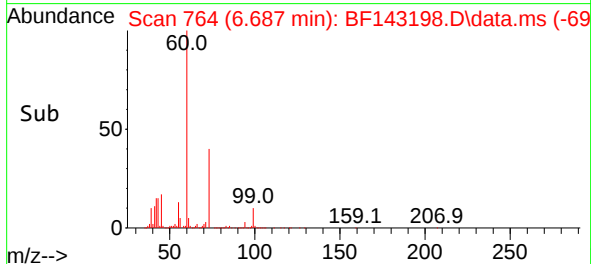
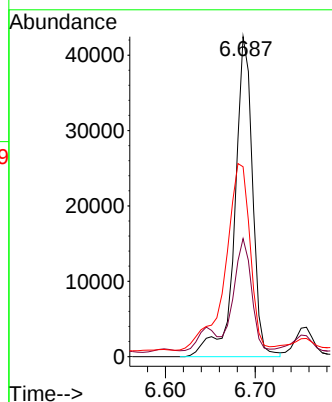
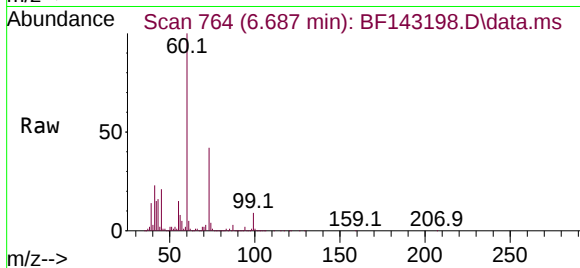
Tgt Ion: 94 Resp: 58764

Ion Ratio Lower Upper

94 100

65 36.9 10.0 50.0

66 59.3 20.8 60.8



#15

Benzyl Alcohol

Concen: 13.968 ng

RT: 7.163 min Scan# 845

Delta R.T. 0.065 min

Lab File: BF143198.D

Acq: 22 Jul 2025 19:51

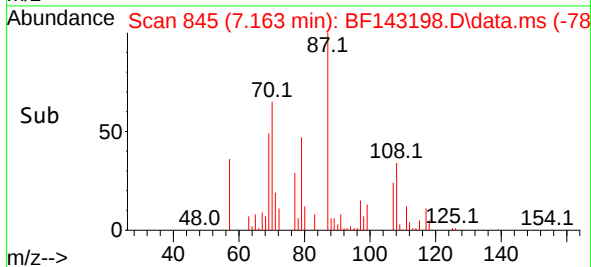
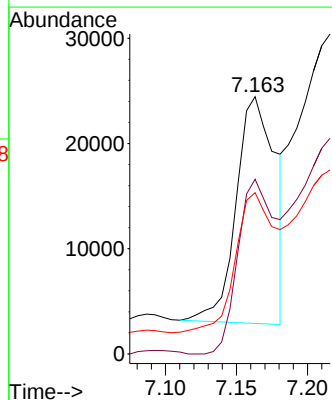
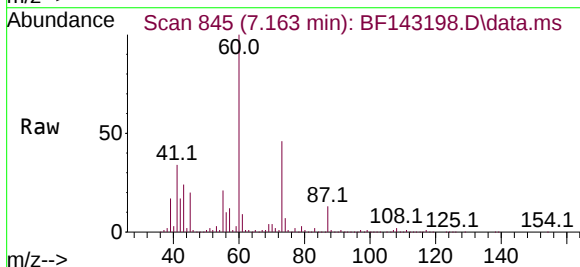
Tgt Ion: 79 Resp: 41650

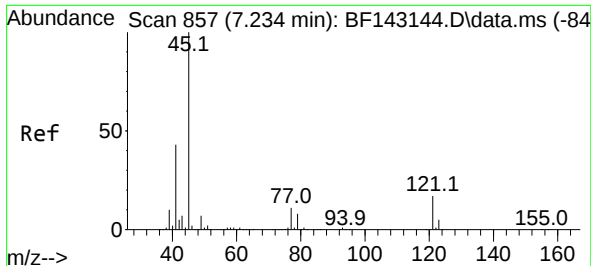
Ion Ratio Lower Upper

79 100

108 67.9 61.1 91.7

77 62.7 48.9 73.3

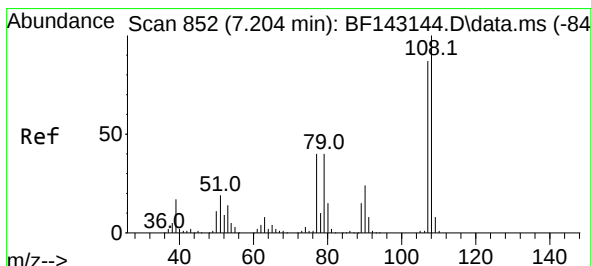
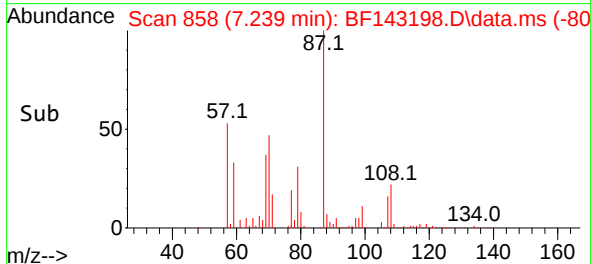
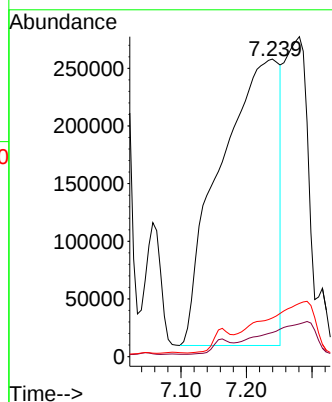
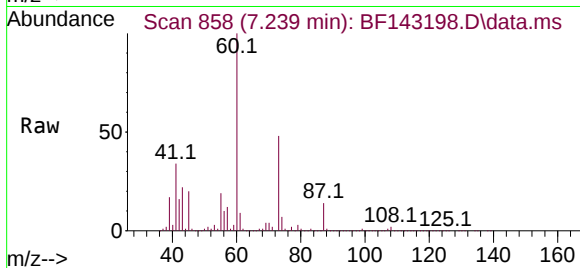




#16
2,2'-oxybis(1-Chloropropane)
Concen: 256.638 ng
RT: 7.239 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

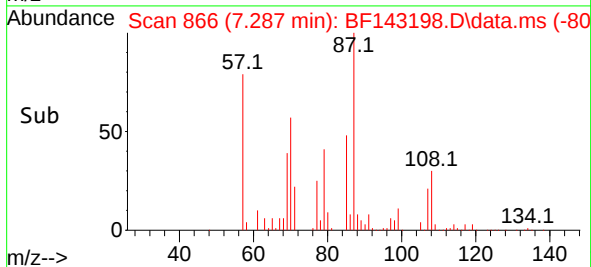
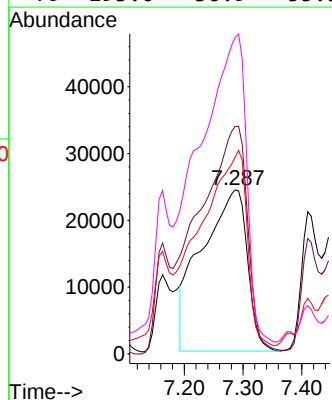
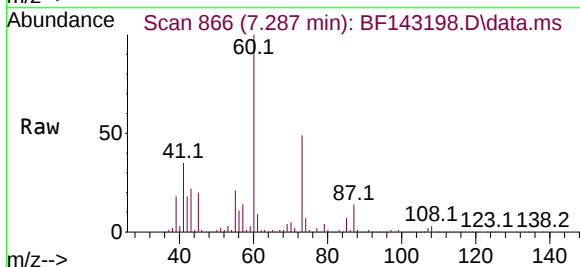
Instrument :
BNA_F
ClientSampleId :
FRAC TANK

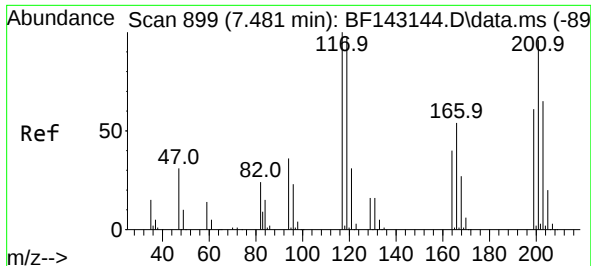
Tgt Ion: 45 Resp: 1550702
Ion Ratio Lower Upper
45 100
77 8.1 0.0 31.2
79 13.0 0.0 28.5



#17
2-Methylphenol
Concen: 47.704 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.082 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:107 Resp: 130441
Ion Ratio Lower Upper
107 100
108 138.7 91.8 137.6#
77 119.9 37.0 55.6#
79 193.0 36.9 55.3#





#18

Hexachloroethane

Concen: 5.742 ng

RT: 7.516 min Scan# 90

Delta R.T. 0.035 min

Lab File: BF143198.D

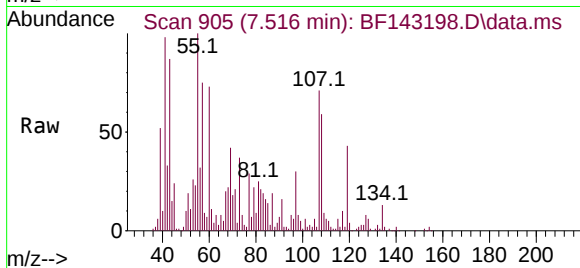
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Instrument :

BNA_F

ClientSampleId :

FRAC TANK



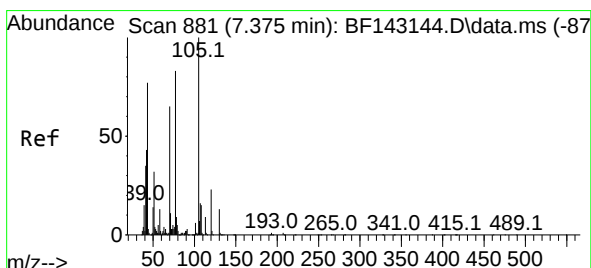
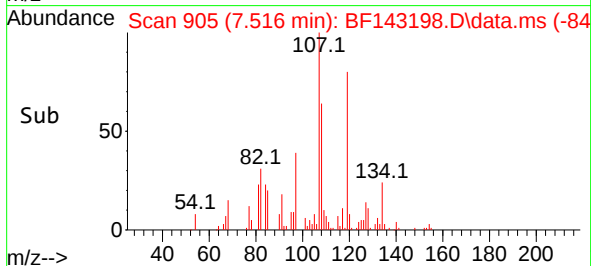
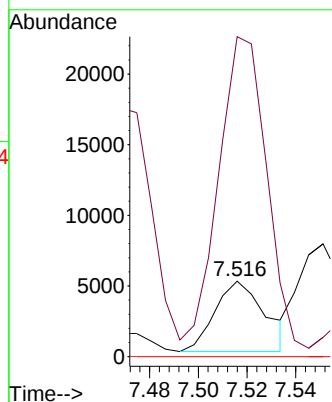
Tgt Ion:117 Resp: 7072

Ion Ratio Lower Upper

117 100

119 424.3 77.8 116.8#

201 0.0 77.0 115.4#



#19

n-Nitroso-di-n-propylamine

Concen: 65.879 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.171 min

Lab File: BF143198.D

Acq: 22 Jul 2025 19:51

Tgt Ion: 70 Resp: 165052

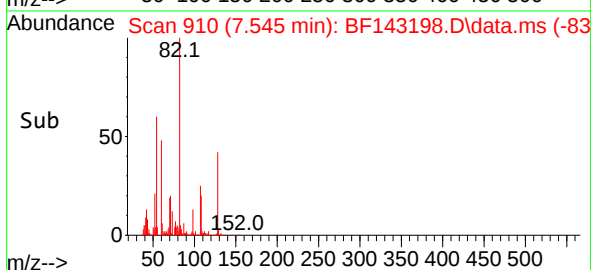
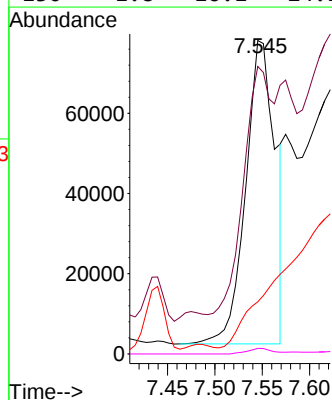
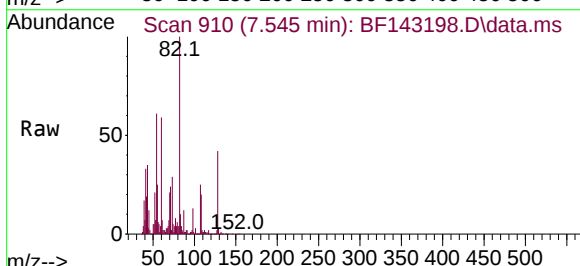
Ion Ratio Lower Upper

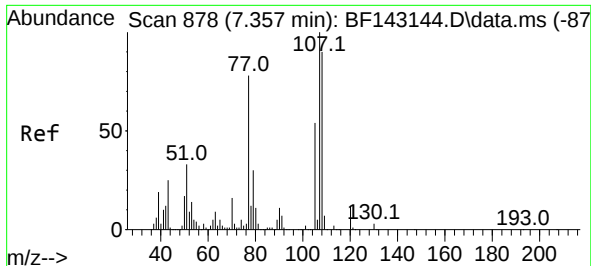
70 100

42 91.8 52.5 78.7#

101 16.6 7.6 11.4#

130 1.8 16.1 24.1#

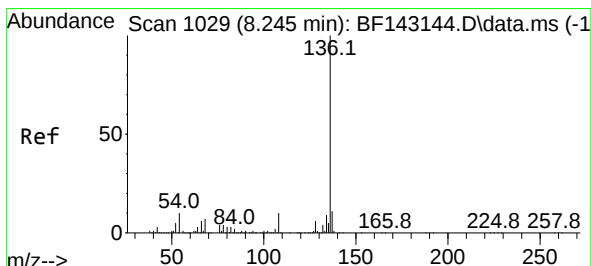
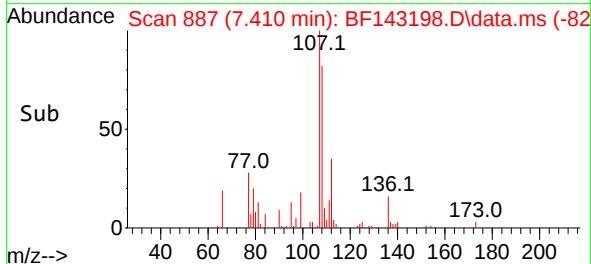
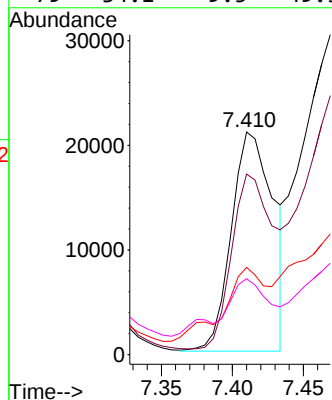
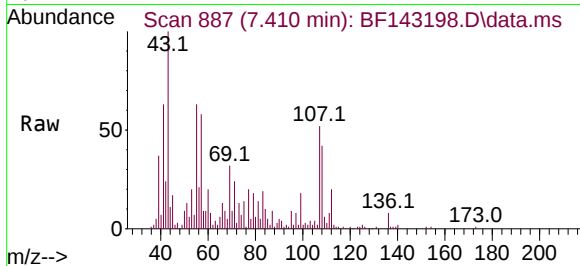




#20
3+4-Methylphenols
Concen: 13.004 ng
RT: 7.410 min Scan# 81
Delta R.T. 0.053 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

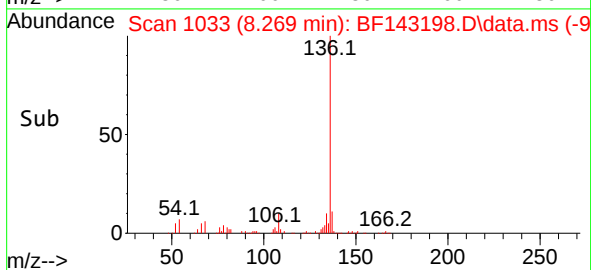
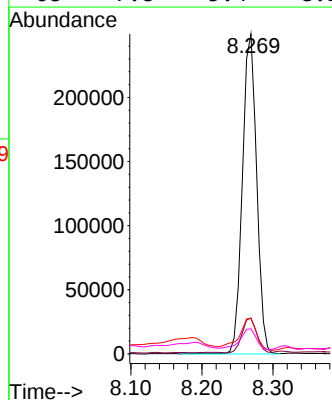
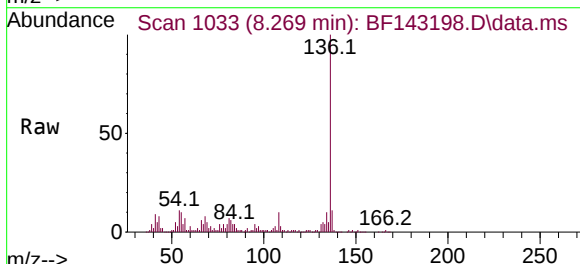
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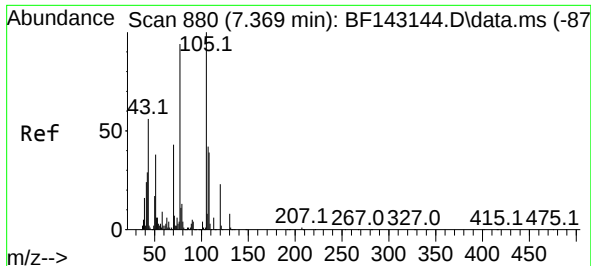
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Ion	Ratio	Lower Upper
107	100	
108	81.1	70.0 110.0
77	39.1	57.8 97.8
79	34.1	9.5 49.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.024 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:136	Resp:	345774
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.6 13.0
54	11.1	8.2 12.2
68	7.8	5.4 8.2

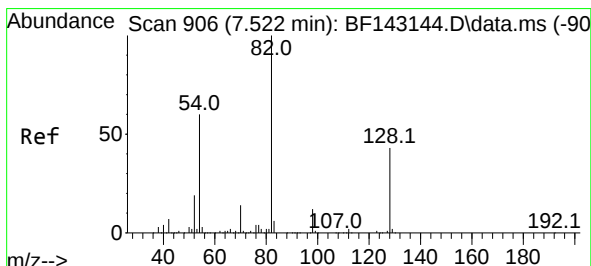
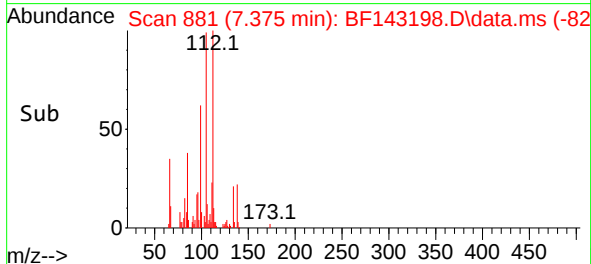
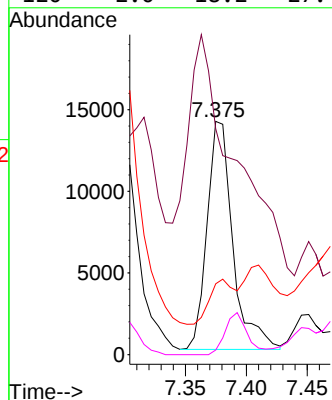
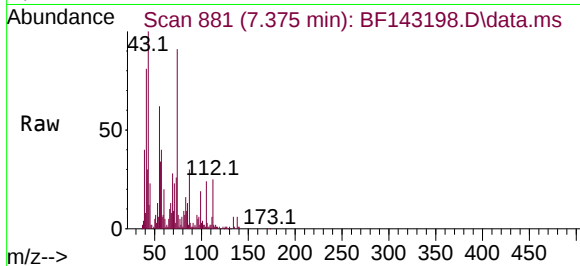




#22
Acetophenone
Concen: 2.525 ng
RT: 7.375 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

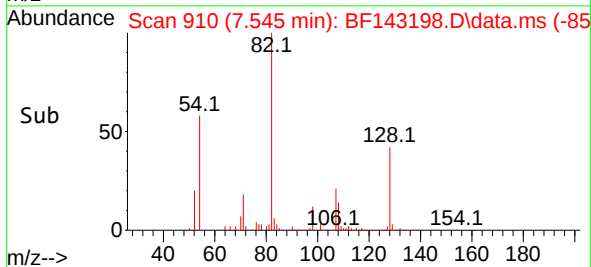
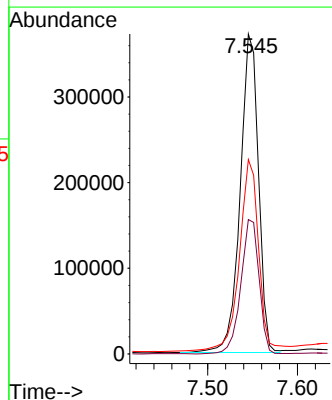
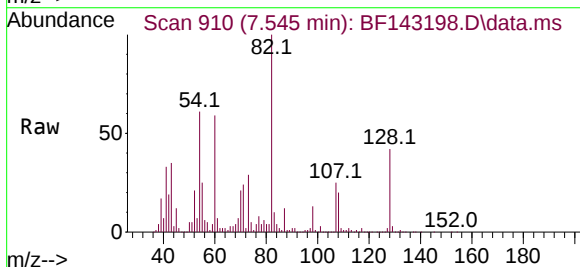
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BNA_F
ClientSampleId :
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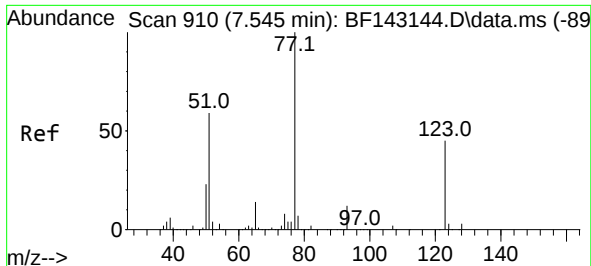
Tgt Ion:105 Resp: 20670
Ion Ratio Lower Upper
105 100
71 96.8 5.8 8.6#
51 30.3 30.2 45.2
120 2.0 18.2 27.4#



#23
Nitrobenzene-d5
Concen: 75.905 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.024 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion: 82 Resp: 526527
Ion Ratio Lower Upper
82 100
128 42.0 33.6 50.4
54 60.7 47.1 70.7

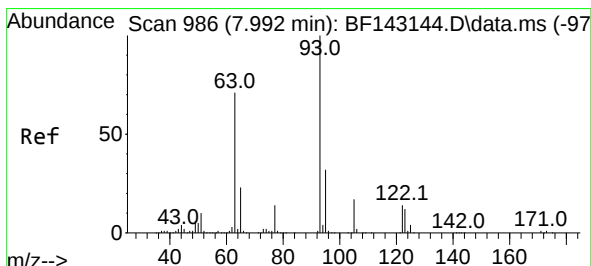
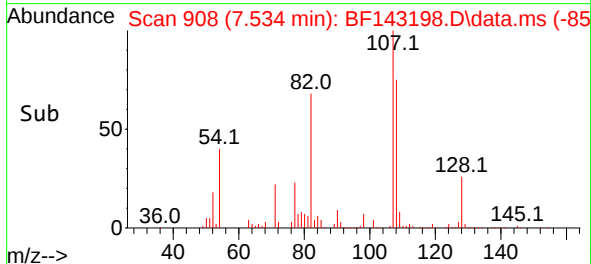
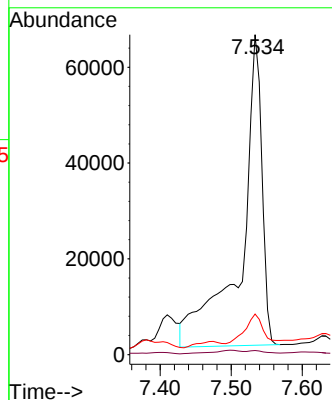
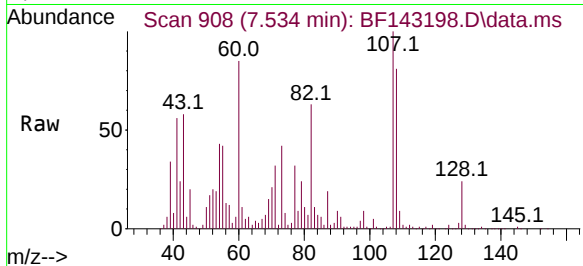




#24
Nitrobenzene
Concen: 20.678 ng
RT: 7.534 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

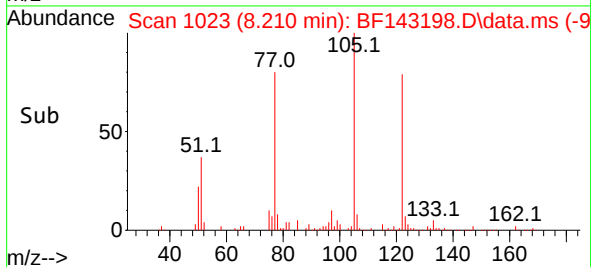
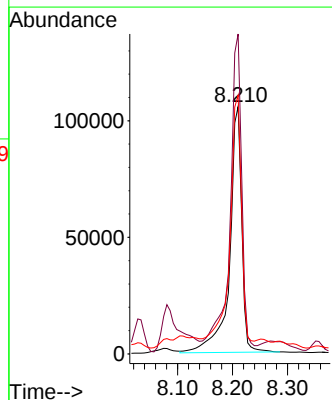
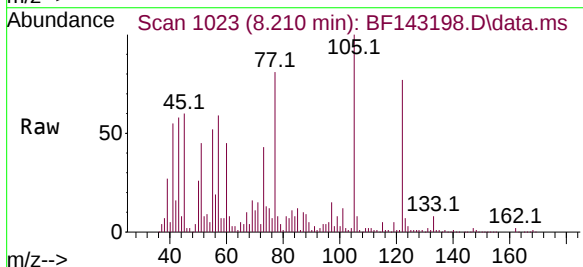
Instrument :
BNA_F
ClientSampleId :
FRAC TANK

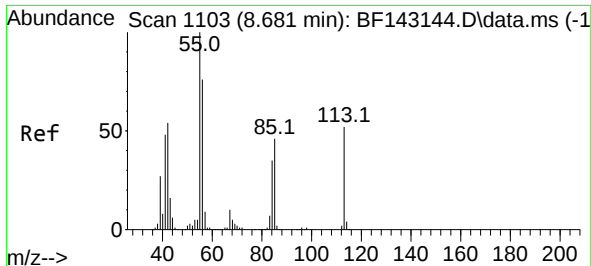
Tgt Ion: 77 Resp: 133728
Ion Ratio Lower Upper
77 100
123 1.3 36.1 54.1#
65 12.7 11.4 17.2



#32
Benzoic acid
Concen: 49.849 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.218 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:122 Resp: 161374
Ion Ratio Lower Upper
122 100
105 129.4 104.8 144.8
77 104.5 77.6 117.6

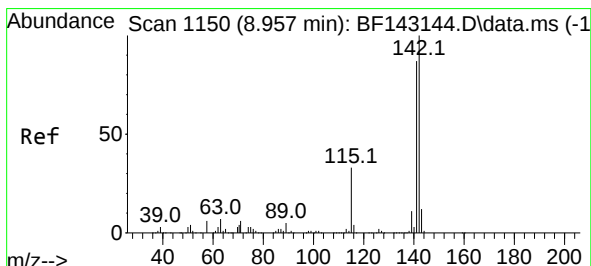
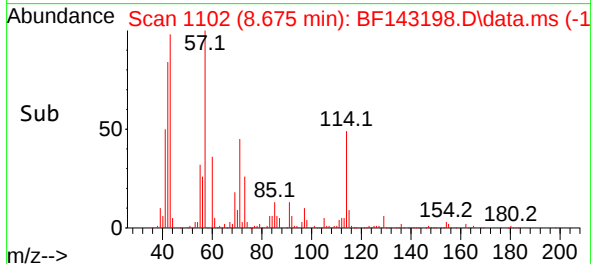
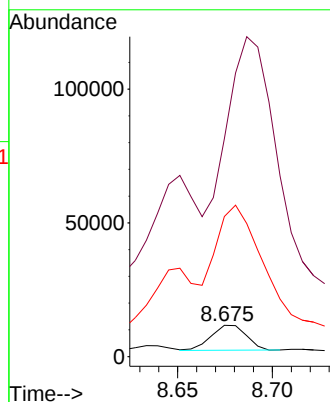
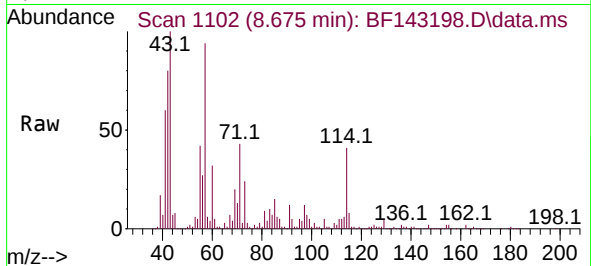




#35
Caprolactam
Concen: 8.289 ng
RT: 8.675 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

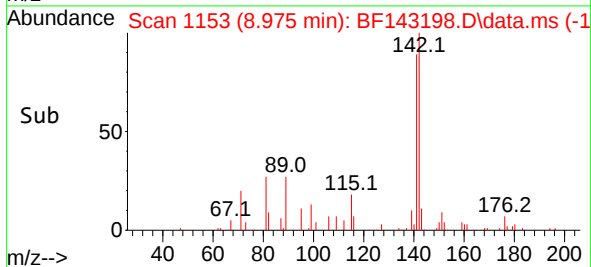
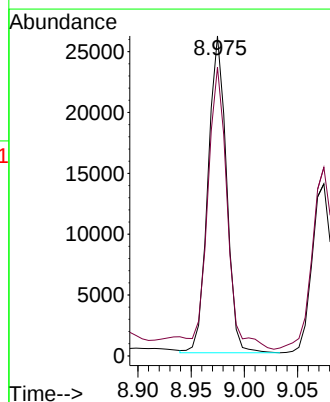
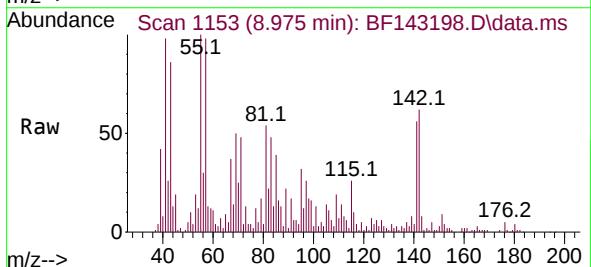
Instrument :
BNA_F
ClientSampleId :
FRAC TANK

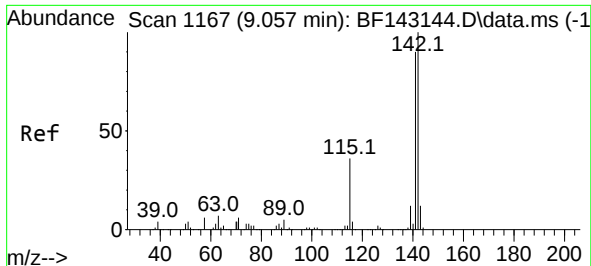
Tgt Ion:113 Resp: 12085
Ion Ratio Lower Upper
113 100
55 696.2 174.0 214.0#
56 447.9 126.6 166.6#



#37
2-Methylnaphthalene
Concen: 3.036 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.018 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:142 Resp: 31462
Ion Ratio Lower Upper
142 100
141 90.2 69.9 104.9

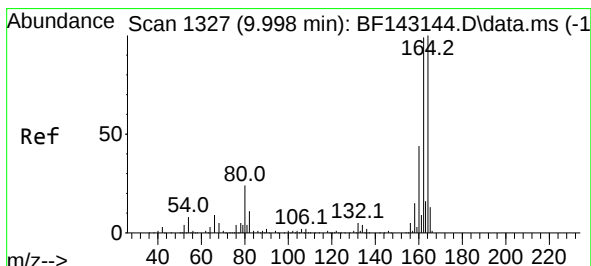
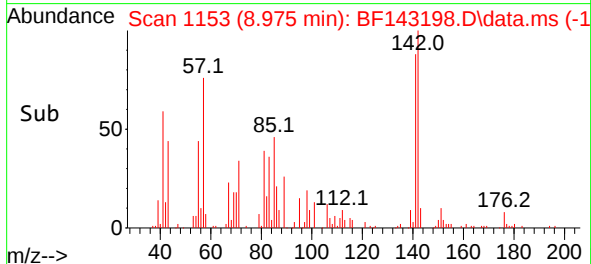
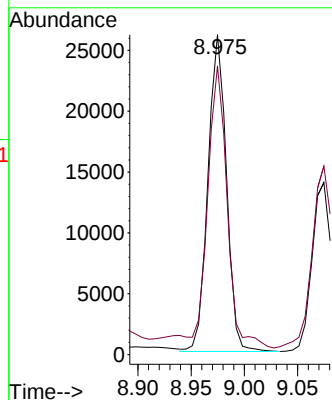
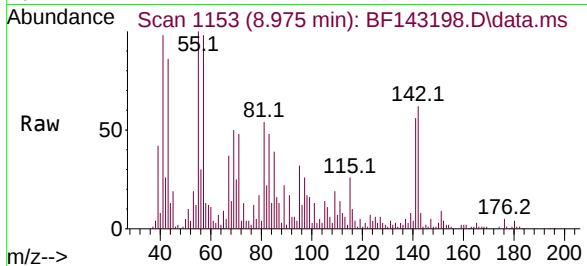




#38
1-Methylnaphthalene
Concen: 2.948 ng
RT: 8.975 min Scan# 1167
Delta R.T. -0.082 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

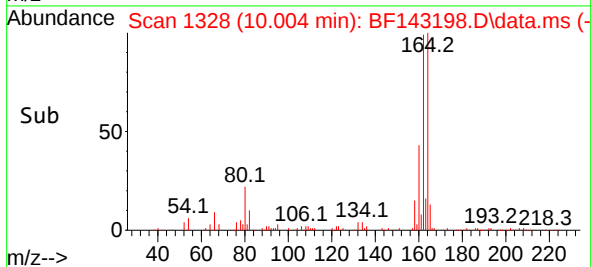
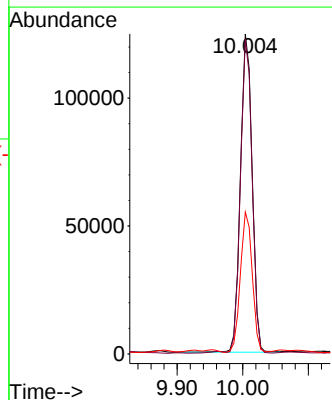
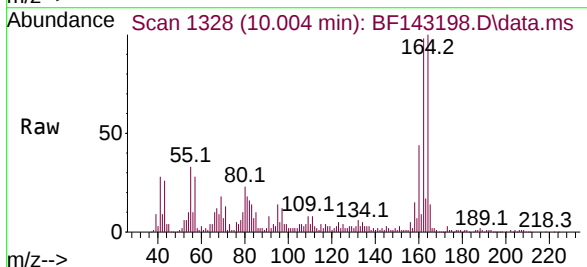
Instrument :
BNA_F
ClientSampleId :
FRAC TANK

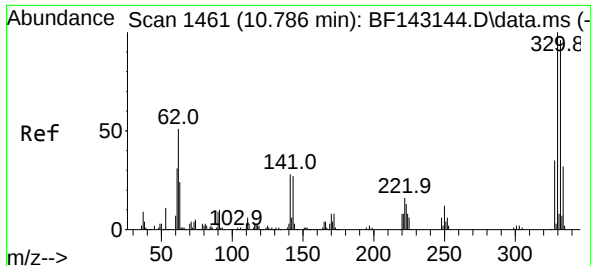
Tgt Ion:142 Resp: 31462
Ion Ratio Lower Upper
142 100
141 90.2 72.3 108.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:164 Resp: 154112
Ion Ratio Lower Upper
164 100
162 98.4 79.0 118.6
160 44.3 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 120.973 ng

RT: 10.792 min Scan# 1461

Delta R.T. 0.006 min

Lab File: BF143198.D

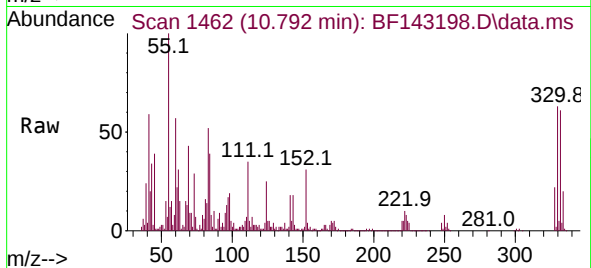
Acq: 22 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

FRAC TANK



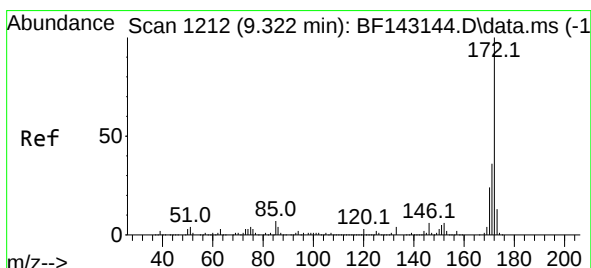
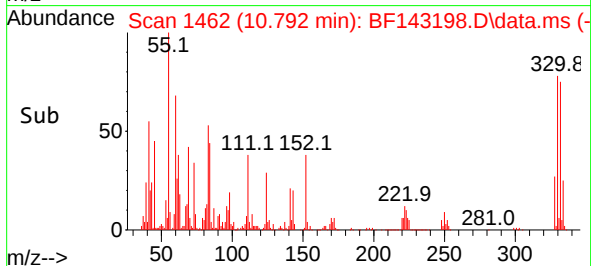
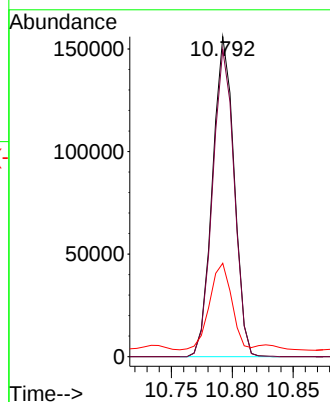
Tgt Ion:330 Resp: 192596

Ion Ratio Lower Upper

330 100

332 96.2 76.7 115.1

141 28.3 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 78.597 ng

RT: 9.328 min Scan# 1213

Delta R.T. 0.006 min

Lab File: BF143198.D

Acq: 22 Jul 2025 19:51

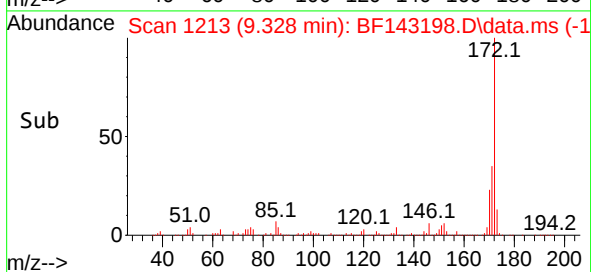
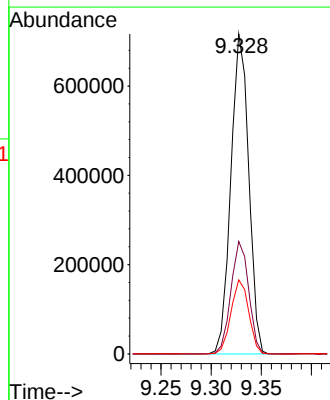
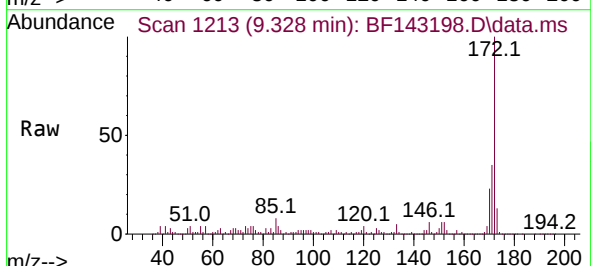
Tgt Ion:172 Resp: 885683

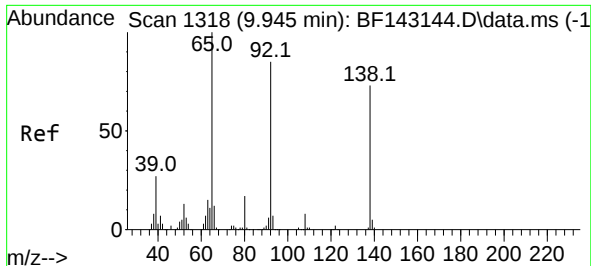
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.1 18.8 28.2

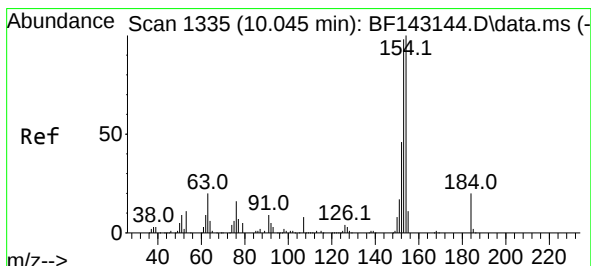
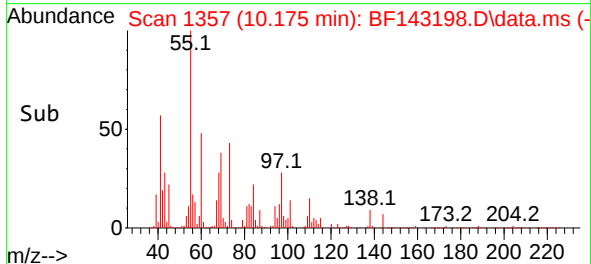
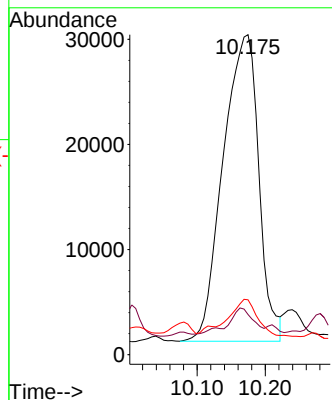
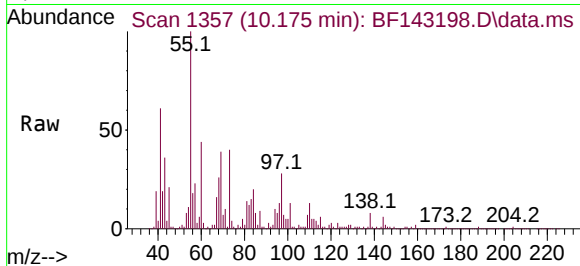




#53
3-Nitroaniline
Concen: 44.235 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.229 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

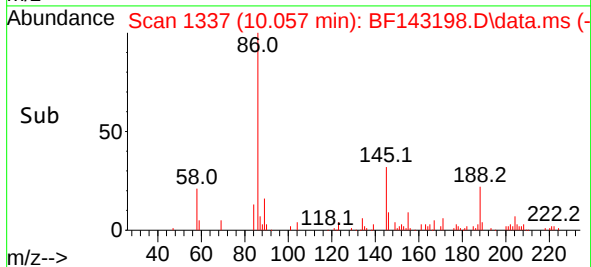
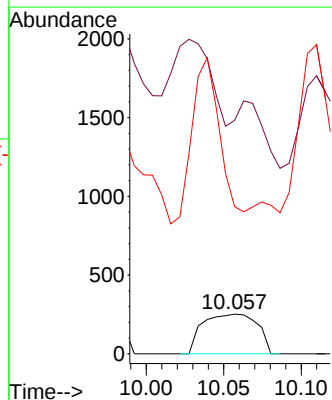
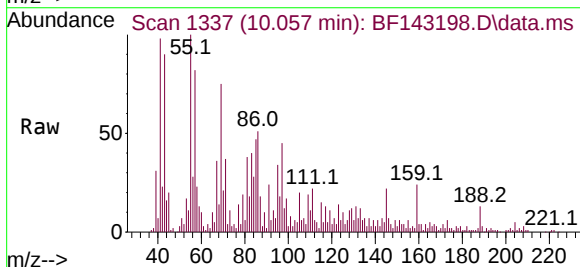
Instrument :
BNA_F
ClientSampleId :
FRAC TANK

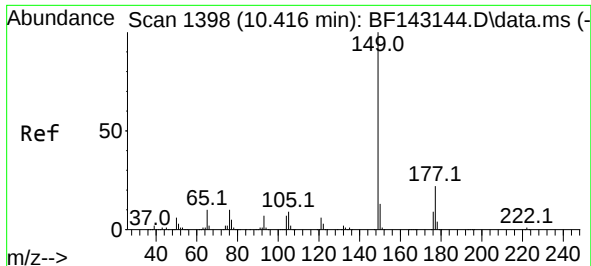
Tgt Ion:138 Resp: 105732
Ion Ratio Lower Upper
138 100
108 12.5 9.0 13.6
92 17.1 93.0 139.4#



#54
2,4-Dinitrophenol
Concen: 7.276 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:184 Resp: 619
Ion Ratio Lower Upper
184 100
63 588.5 81.8 122.6#
154 371.0 412.2 618.4#

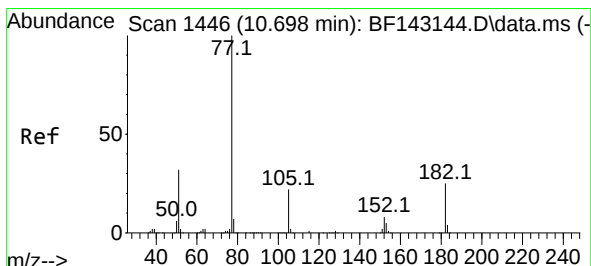
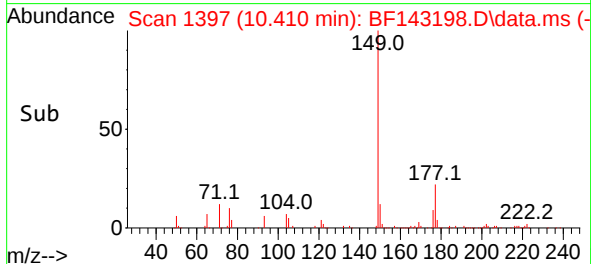
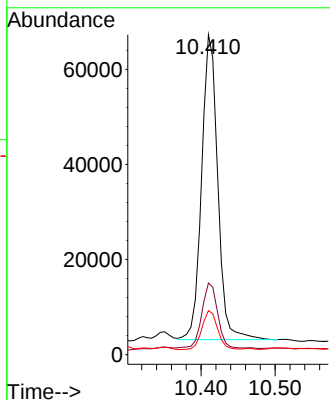
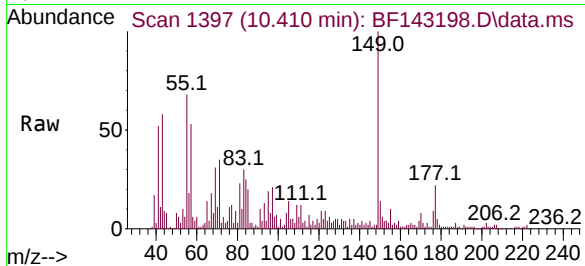




#60
Diethylphthalate
Concen: 9.789 ng
RT: 10.410 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

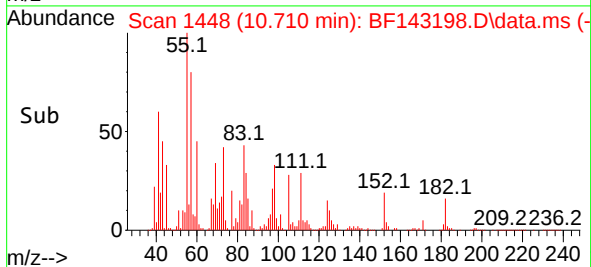
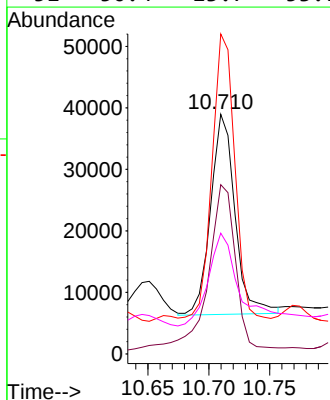
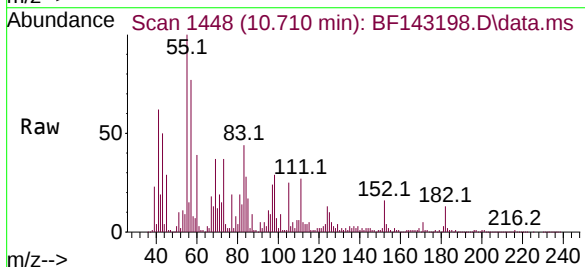
Instrument :
BNA_F
ClientSampleId :
FRAC TANK

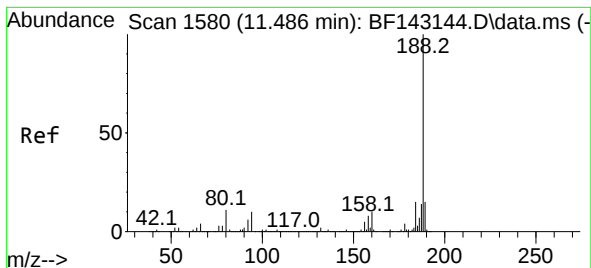
Tgt Ion:149 Resp: 97198
Ion Ratio Lower Upper
149 100
177 22.4 17.5 26.3
150 13.7 10.2 15.2



#63
Azobenzene
Concen: 4.399 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion: 77 Resp: 45522
Ion Ratio Lower Upper
77 100
182 70.6 4.6 44.6#
105 133.6 1.4 41.4#
51 50.4 13.7 53.7

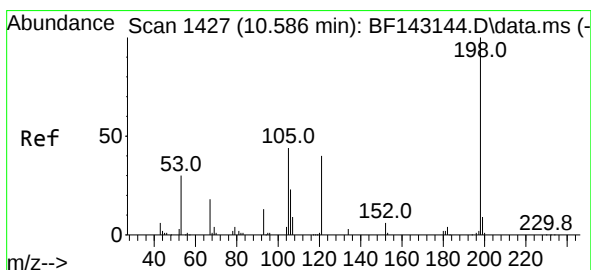
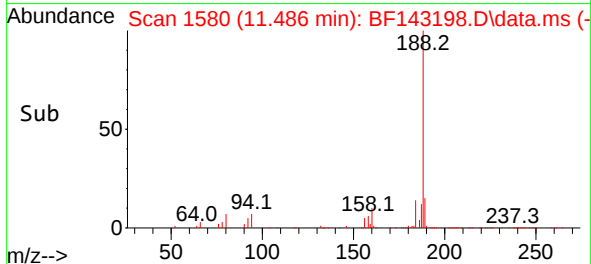
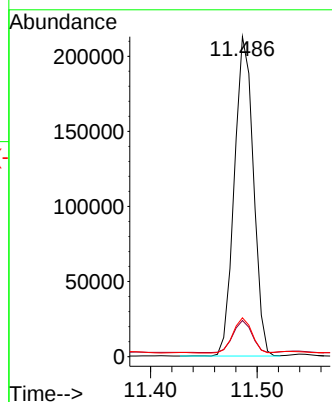
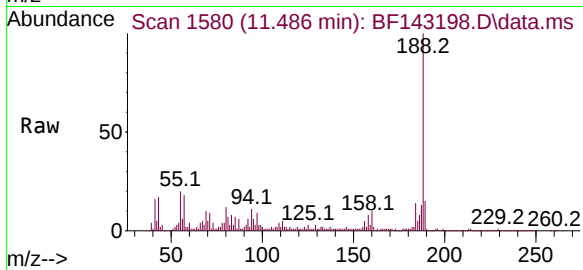




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

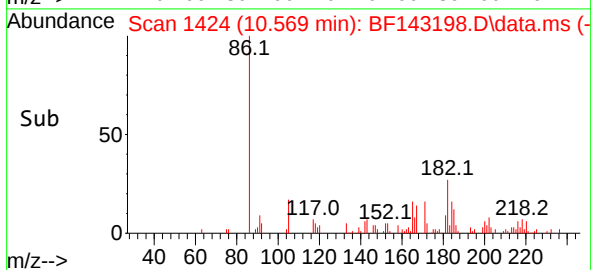
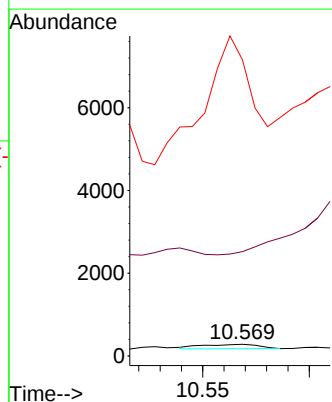
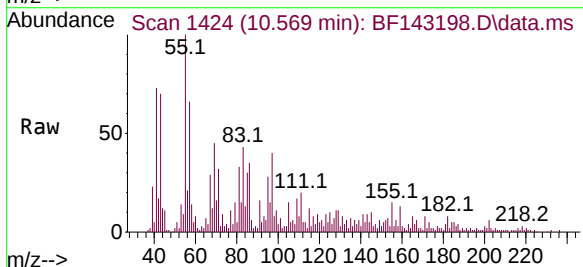
Instrument :
BNA_F
ClientSampleId :
FRAC TANK

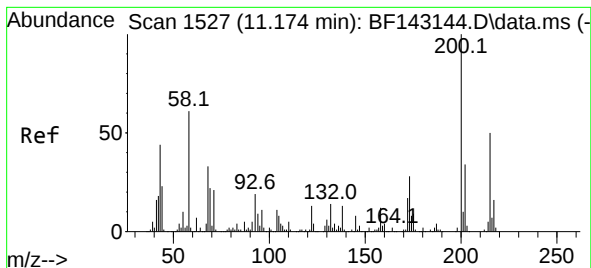
Tgt Ion:188 Resp: 263977
Ion Ratio Lower Upper
188 100
94 11.3 8.3 12.5
80 12.1 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.541 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.017 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:198 Resp: 201
Ion Ratio Lower Upper
198 100
51 900.0 37.2 77.2#
105 2556.1 24.8 64.8#





#69

Atrazine

Concen: 2.587 ng

RT: 11.204 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF143198.D

Acq: 22 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

FRAC TANK

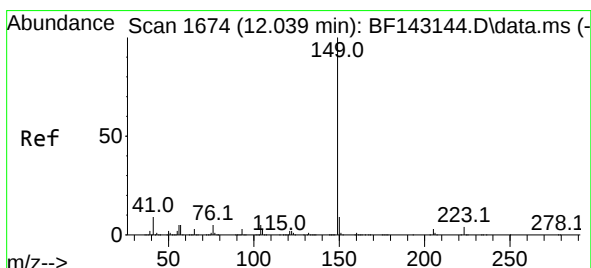
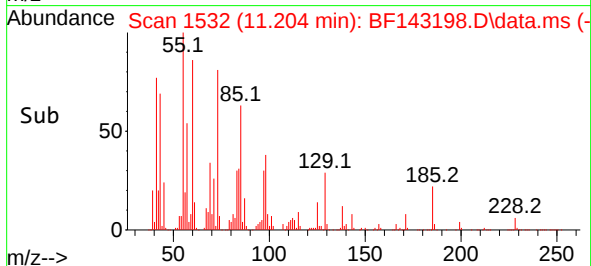
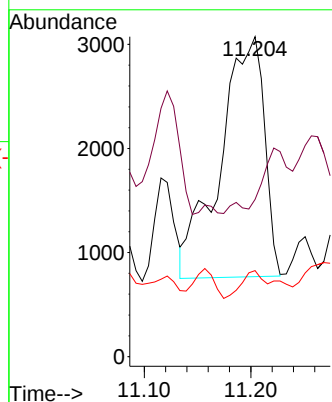
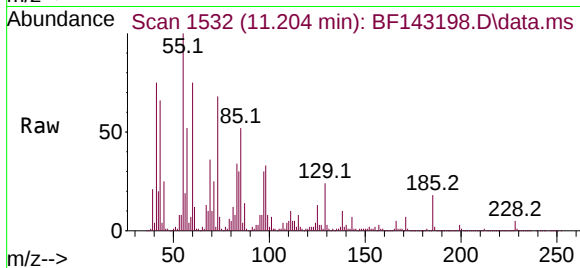
Tgt Ion:200 Resp: 6629

Ion Ratio Lower Upper

200 100

173 49.1 7.9 47.9#

215 26.9 30.1 70.1#



#74

Di-n-butylphthalate

Concen: 2.121 ng

RT: 12.045 min Scan# 1675

Delta R.T. 0.006 min

Lab File: BF143198.D

Acq: 22 Jul 2025 19:51

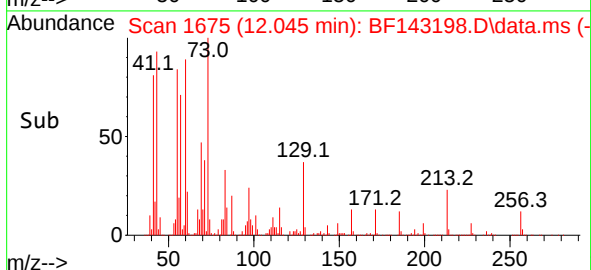
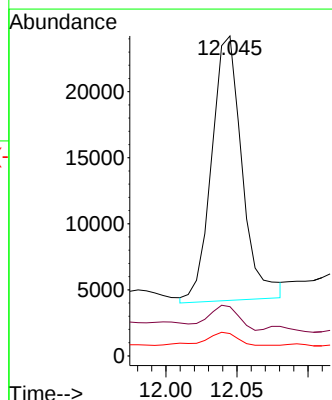
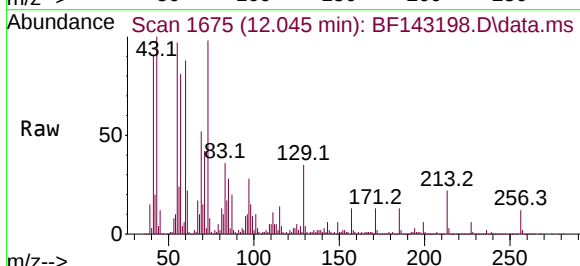
Tgt Ion:149 Resp: 29957

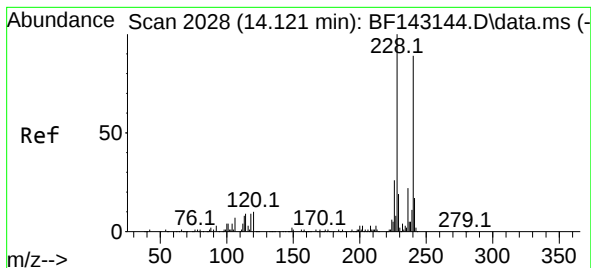
Ion Ratio Lower Upper

149 100

150 15.4 7.4 11.2#

104 7.0 3.8 5.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.151 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF143198.D

Acq: 22 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

FRAC TANK

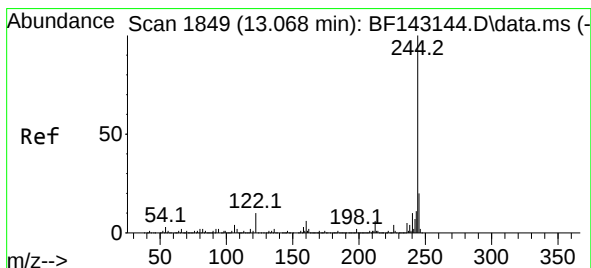
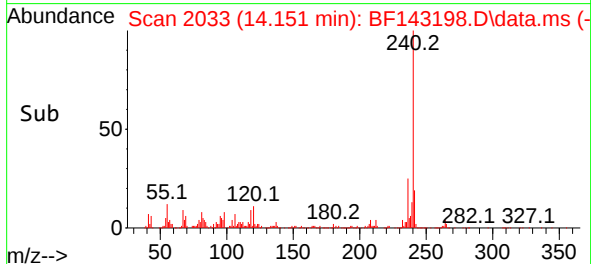
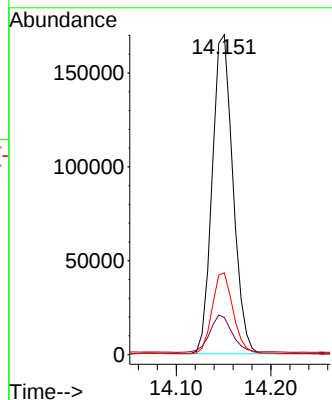
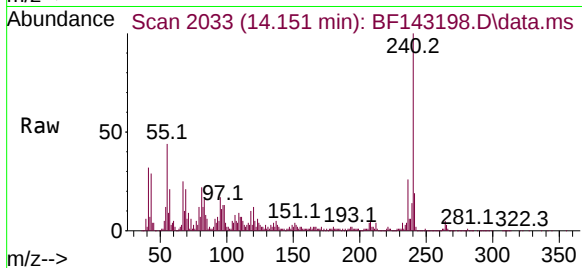
Tgt Ion:240 Resp: 258410

Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

236 25.5 20.2 30.4



#79

Terphenyl-d14

Concen: 51.873 ng

RT: 13.092 min Scan# 1853

Delta R.T. 0.024 min

Lab File: BF143198.D

Acq: 22 Jul 2025 19:51

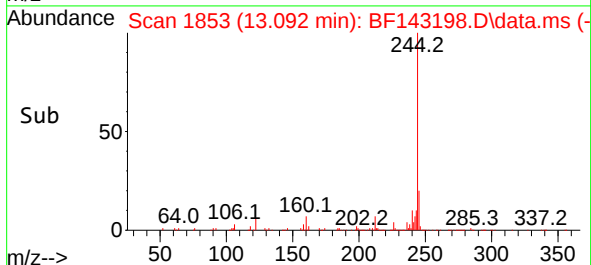
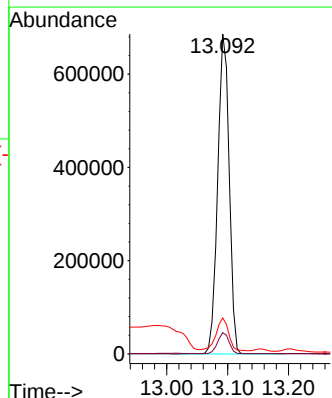
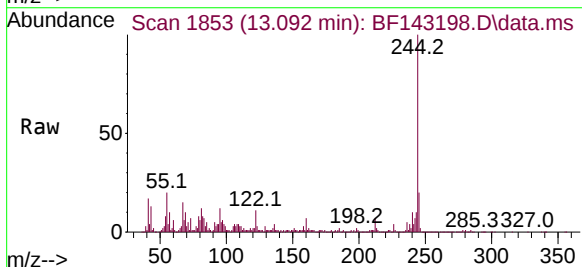
Tgt Ion:244 Resp: 900783

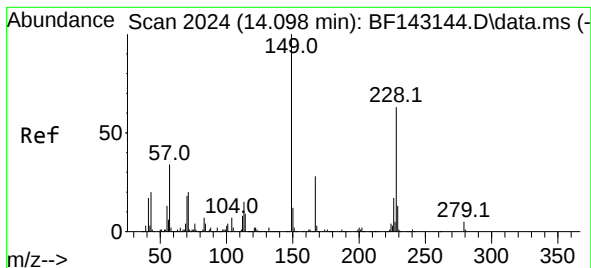
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 11.2 8.2 12.2

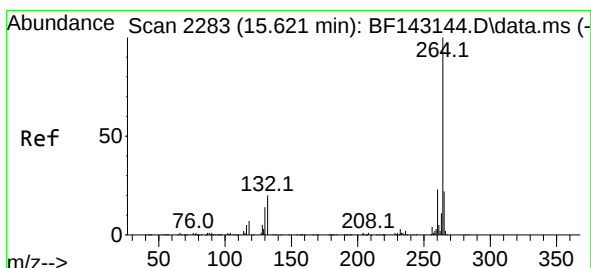
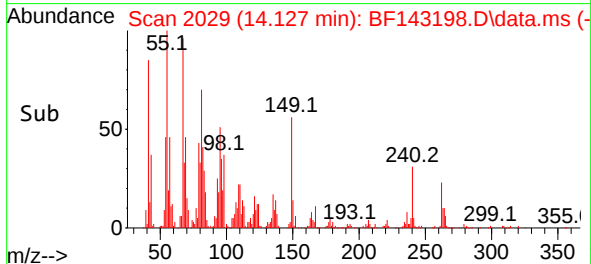
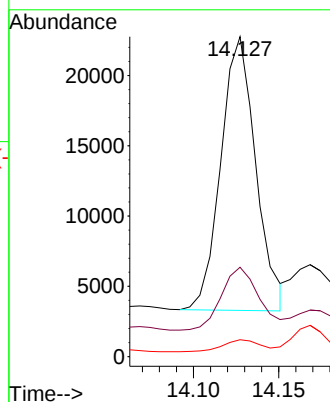
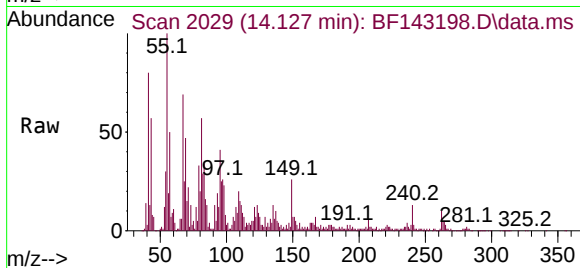




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.715 ng
RT: 14.127 min Scan# 2024
Delta R.T. 0.029 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Instrument :
BNA_F
ClientSampleId :
FRAC TANK

Tgt Ion:149 Resp: 27750
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 5.3 3.6 5.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2287
Delta R.T. 0.024 min
Lab File: BF143198.D
Acq: 22 Jul 2025 19:51

Tgt Ion:264 Resp: 120241
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 22.9 17.4 26.2

