

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121625\
 Data File : BF144503.D
 Acq On : 16 Dec 2025 19:15
 Operator : RC/JU
 Sample : Q3876-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B150(10-12)121225

Quant Time: Dec 17 00:50:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 12 15:57:03 2025
 Response via : Initial Calibration

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

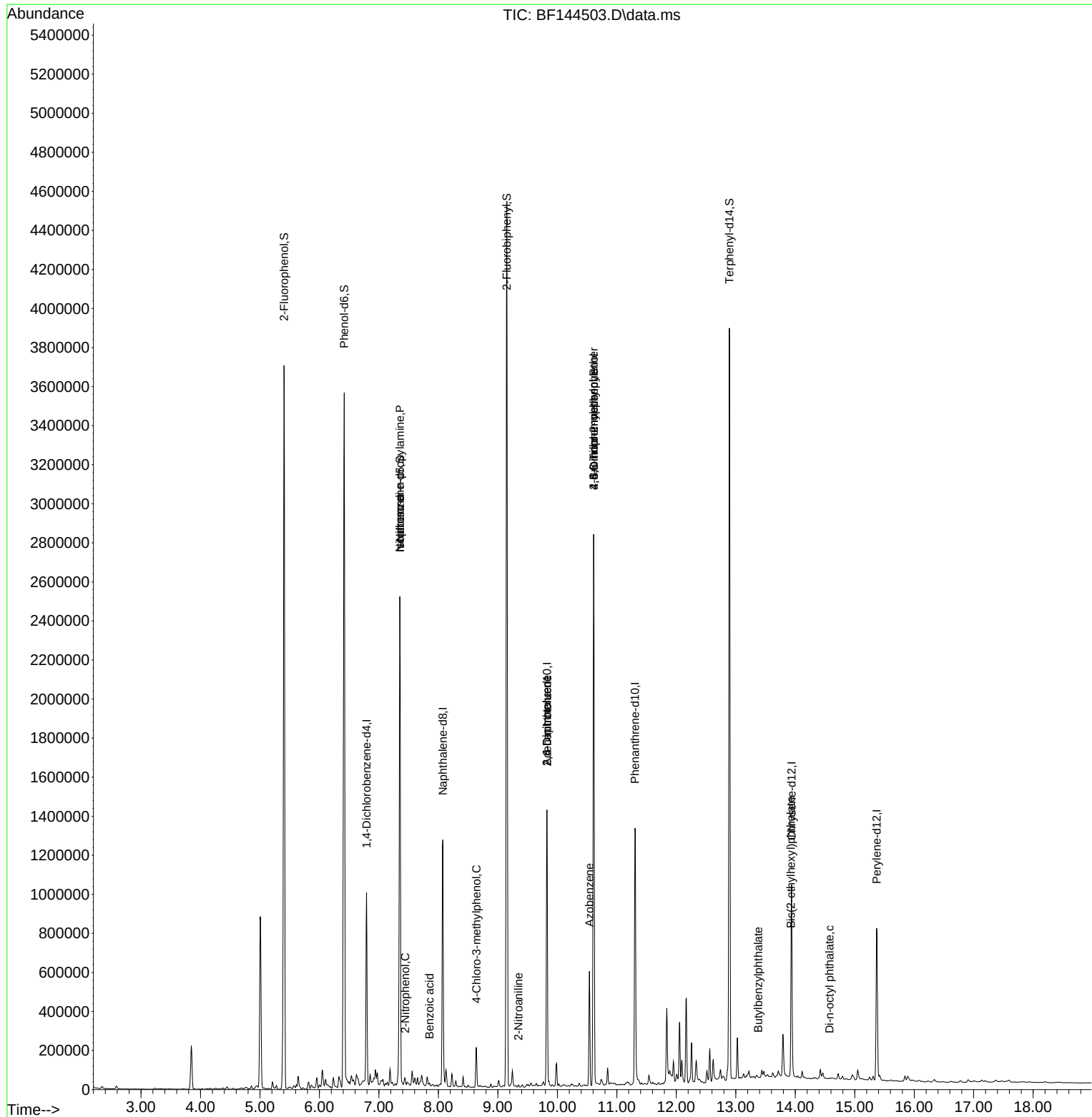
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	202649	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	803547	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	434506	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	682015	20.000	ng	0.00
76) Chrysene-d12	13.939	240	445618	20.000	ng	0.00
86) Perylene-d12	15.368	264	442778	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1463080	108.860	ng	0.00
7) Phenol-d6	6.416	99	1845874	110.110	ng	0.00
23) Nitrobenzene-d5	7.351	82	1117327	87.014	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	493570	125.643	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2023321	71.436	ng	0.00
79) Terphenyl-d14	12.892	244	1835059	65.015	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	154239	14.566	ng	# 76
25) Isophorone	7.351	82	1101056	37.994	ng	# 65
26) 2-Nitrophenol	7.440	139	56	3.793	ng	# 1
32) Benzoic acid	7.851	122	4313	6.939	ng	# 20
36) 4-Chloro-3-methylphenol	8.639	107	35135	2.817	ng	# 20
48) 2-Nitroaniline	9.345	65	243	3.663	ng	# 5
51) 2,6-Dinitrotoluene	9.828	165	55390	13.368	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	55390	10.817	ng	# 21
63) Azobenzene	10.539	77	140667	4.785	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	1113	7.138	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	31197	3.918	ng	# 1
80) Butylbenzylphthalate	13.374	149	398	3.285	ng	# 22
84) Bis(2-ethylhexyl)phtha...	13.927	149	11285	3.580	ng	# 95
85) Di-n-octyl phthalate	14.574	149	511	6.521	ng	# 63

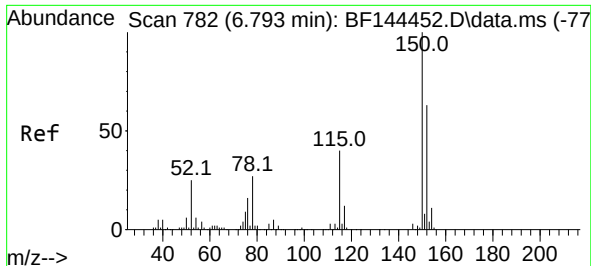
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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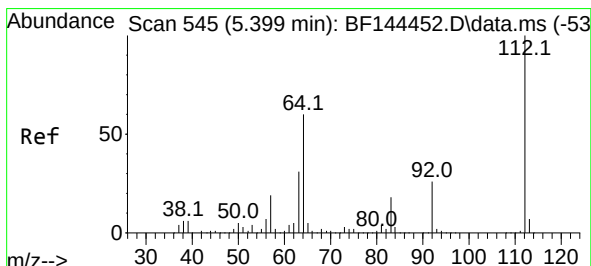
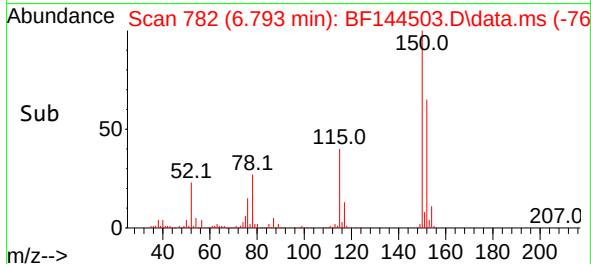
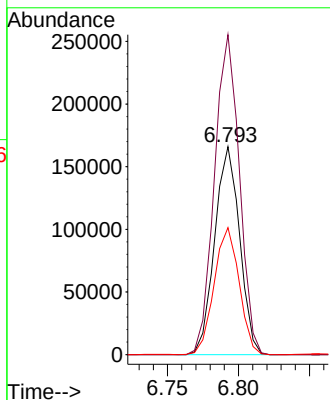
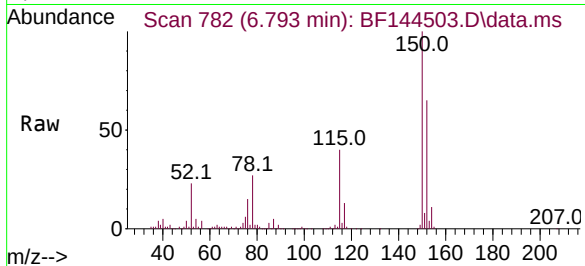




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 782
 Delta R.T. -0.000 min
 Lab File: BF144503.D
 Acq: 16 Dec 2025 19:15

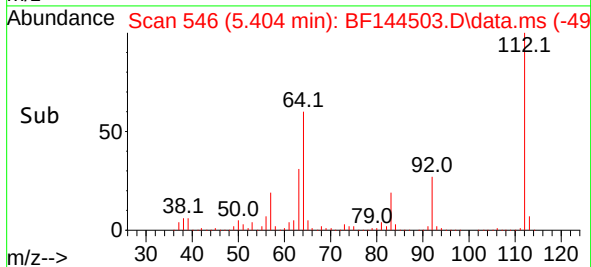
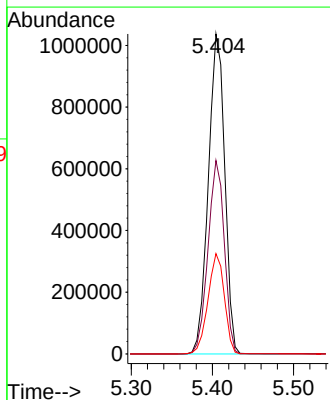
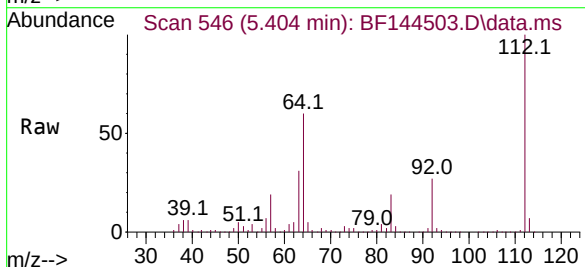
Instrument :
 BNA_F
 ClientSampleId :
 B150(10-12)121225

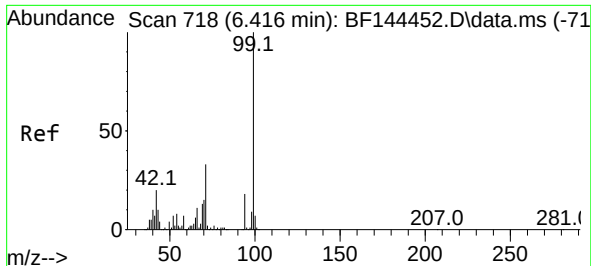
Tgt Ion:152 Resp: 202649
 Ion Ratio Lower Upper
 152 100
 150 153.9 127.4 191.2
 115 61.0 51.4 77.0



#5
 2-Fluorophenol
 Concen: 108.860 ng
 RT: 5.404 min Scan# 546
 Delta R.T. 0.006 min
 Lab File: BF144503.D
 Acq: 16 Dec 2025 19:15

Tgt Ion:112 Resp: 1463080
 Ion Ratio Lower Upper
 112 100
 64 60.4 47.8 71.6
 63 31.3 24.6 37.0



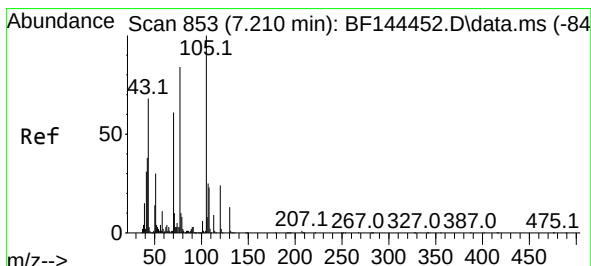
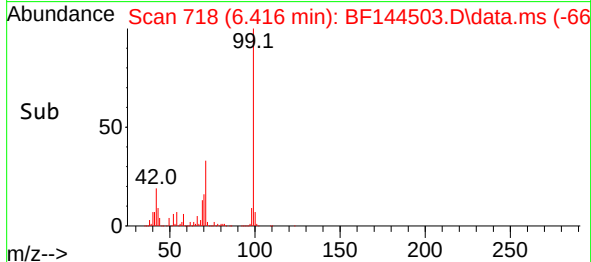
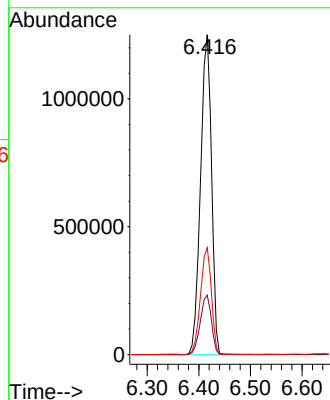
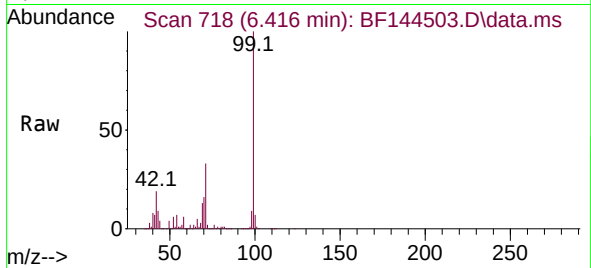


#7
Phenol-d6
Concen: 110.110 ng
RT: 6.416 min Scan# 718
Delta R.T. 0.000 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

Instrument :
BNA_F
ClientSampleId :
B150(10-12)121225

Tgt Ion: 99 Resp: 1845874

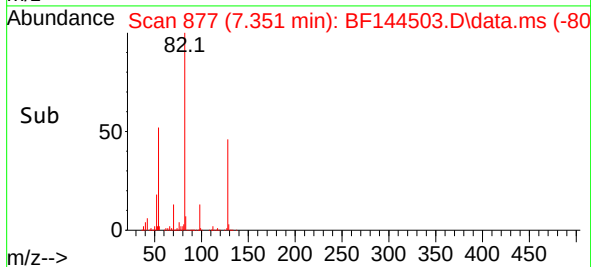
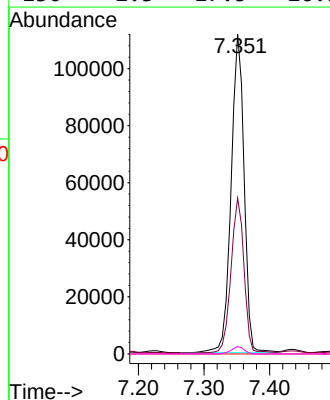
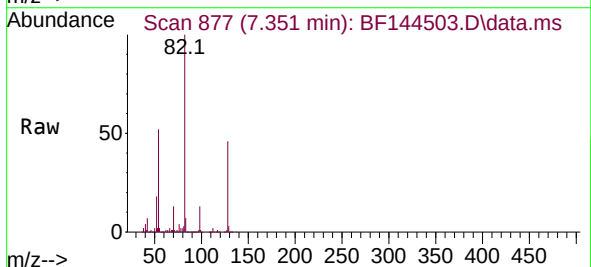
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.7	23.5
71	33.4	26.4	39.6

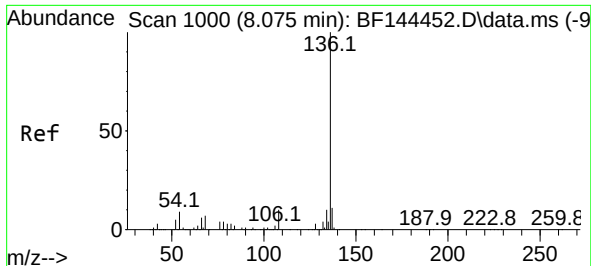


#19
n-Nitroso-di-n-propylamine
Concen: 14.566 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

Tgt Ion: 70 Resp: 154239

Ion	Ratio	Lower	Upper
70	100		
42	48.7	49.4	74.0#
101	0.0	7.8	11.6#
130	2.3	17.5	26.3#

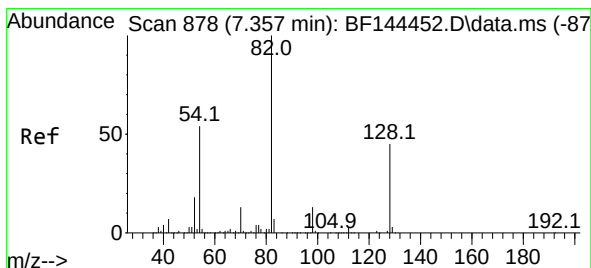
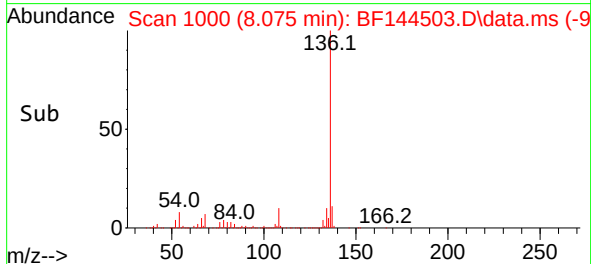
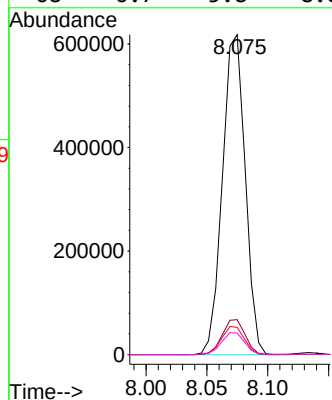
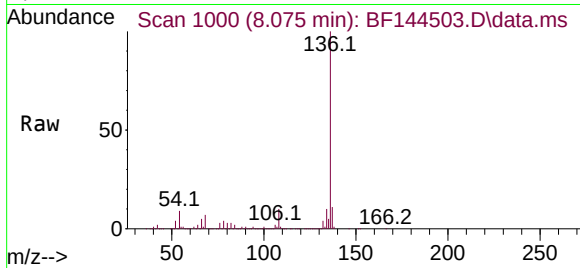




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

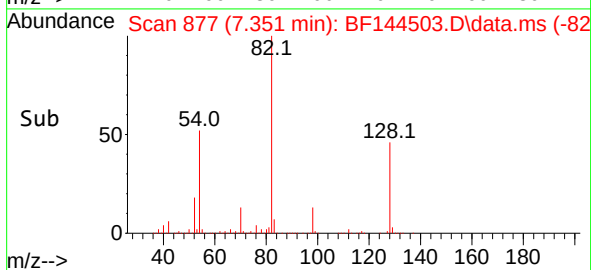
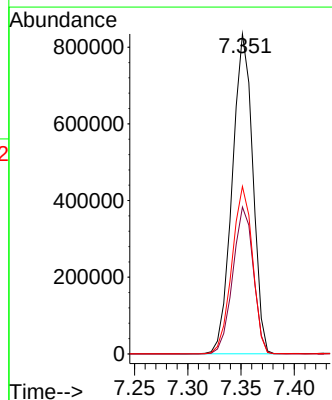
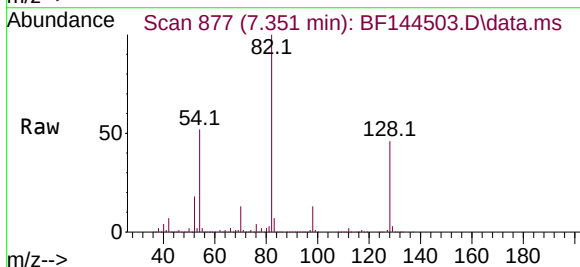
Instrument :
BNA_F
ClientSampleId :
B150(10-12)121225

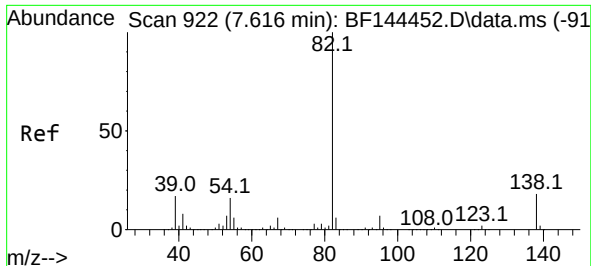
Tgt Ion:136	Resp: 803547
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 8.5	7.5 11.3
68 6.7	5.8 8.8



#23
Nitrobenzene-d5
Concen: 87.014 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

Tgt Ion: 82		Resp: 1117327	
Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.5	53.3
54	52.3	43.3	64.9

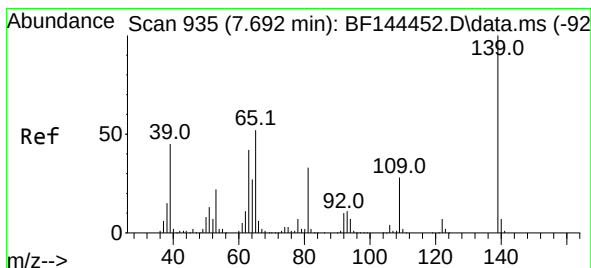
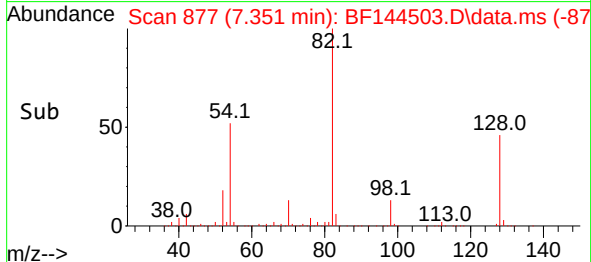
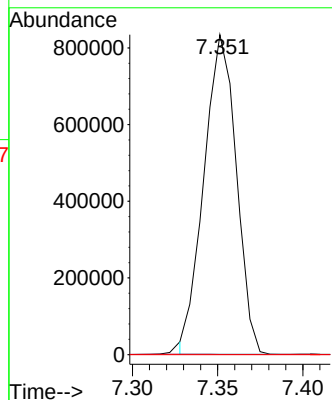
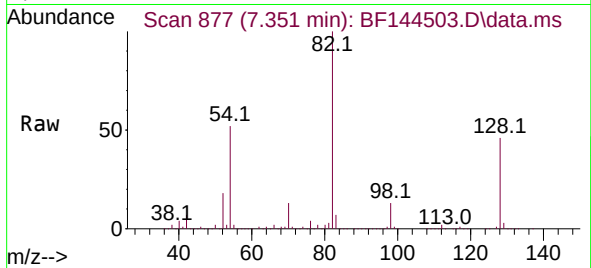




#25
Isophorone
Concen: 37.994 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

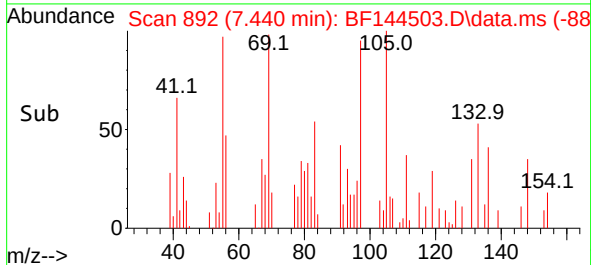
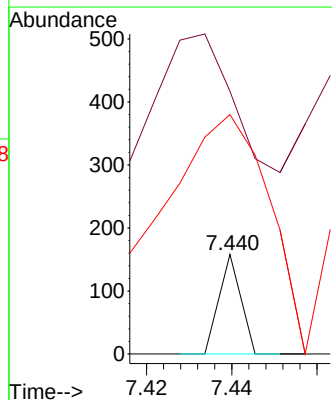
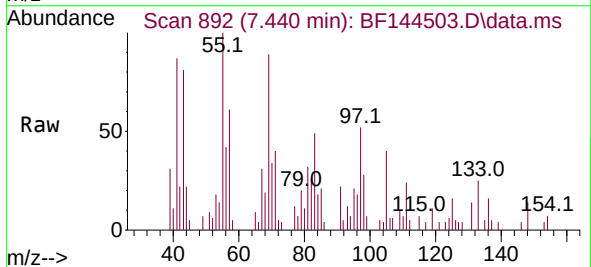
Instrument :
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ClientSampleId :
B150(10-12)121225

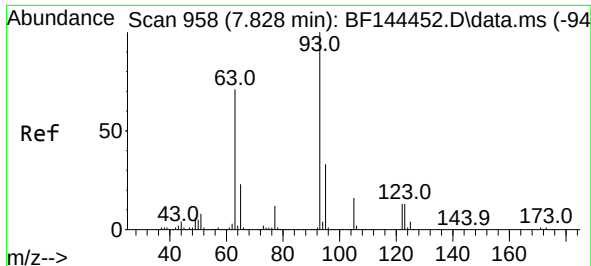
Tgt Ion: 82 Resp: 1101056
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 14.4 21.6#



#26
2-Nitrophenol
Concen: 3.793 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.252 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 263.9 22.1 33.1#
65 240.5 41.5 62.3#

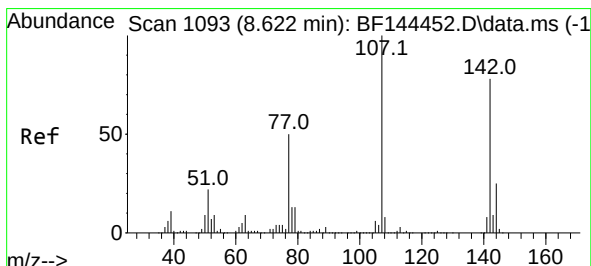
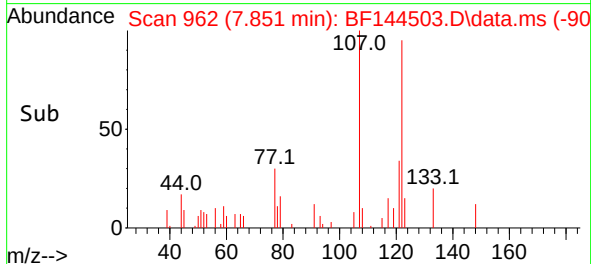
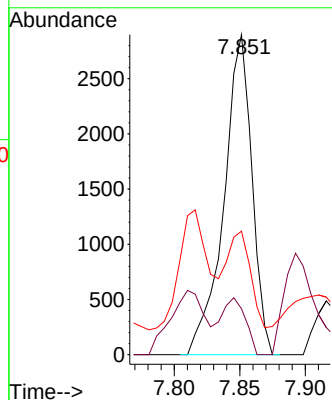
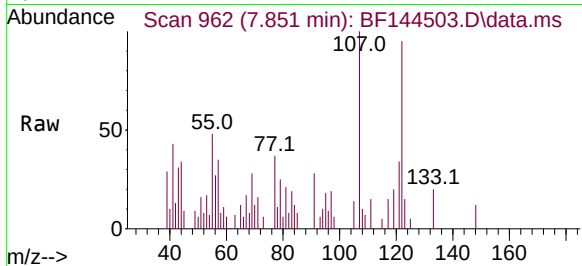




#32
Benzoic acid
Concen: 6.939 ng
RT: 7.851 min Scan# 90
Delta R.T. 0.023 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

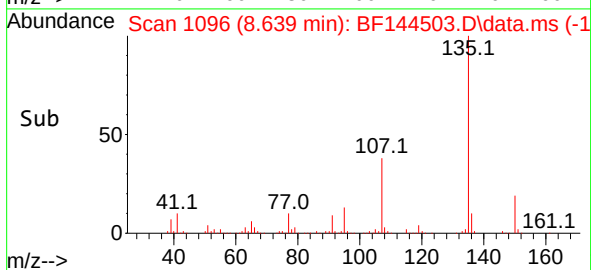
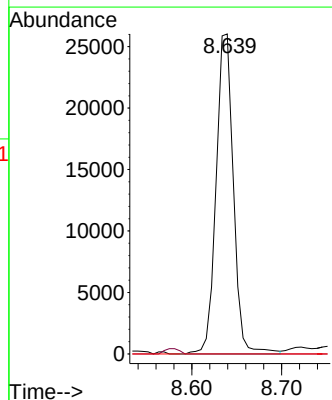
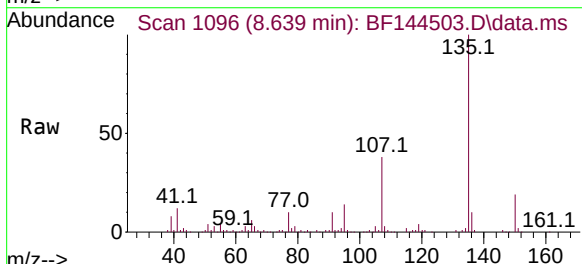
Instrument :
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B150(10-12)121225

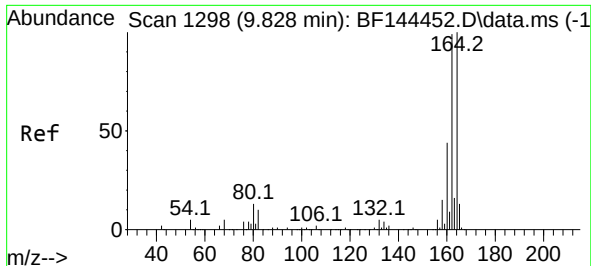
Tgt Ion:122 Resp: 4313
Ion Ratio Lower Upper
122 100
105 14.3 103.2 143.2#
77 38.6 75.1 115.1#



#36
4-Chloro-3-methylphenol
Concen: 2.817 ng
RT: 8.639 min Scan# 1096
Delta R.T. 0.018 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

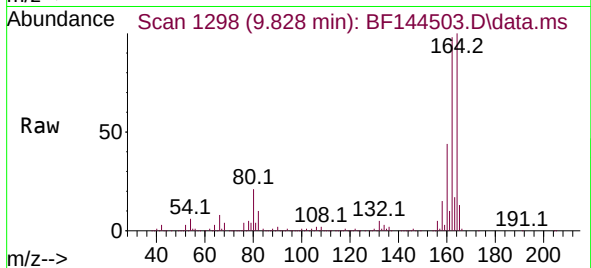
Tgt Ion:107 Resp: 35135
Ion Ratio Lower Upper
107 100
144 0.0 20.4 30.6#
142 0.0 62.4 93.6#



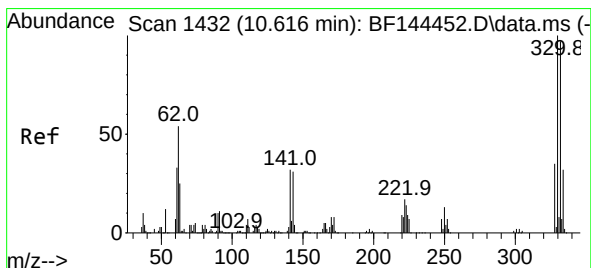
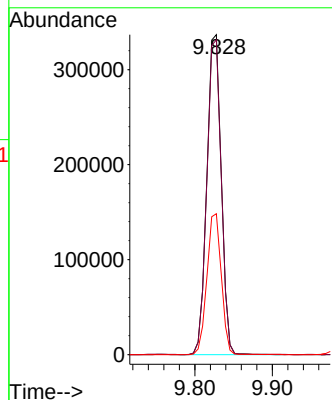
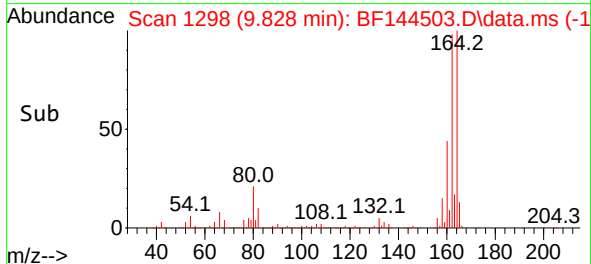


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

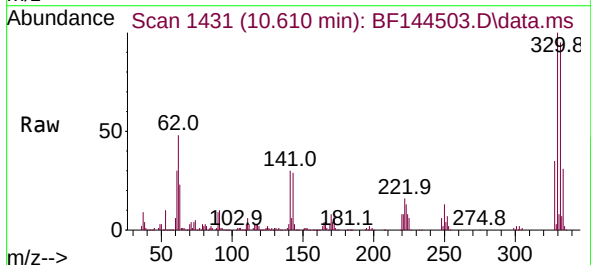
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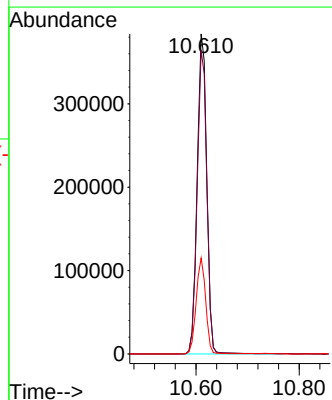
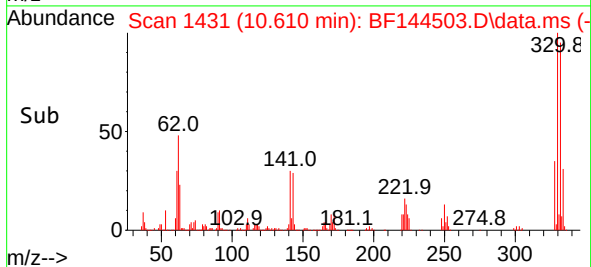
Tgt Ion:164 Resp: 434506
Ion Ratio Lower Upper
164 100
162 98.4 79.2 118.8
160 44.0 35.3 52.9

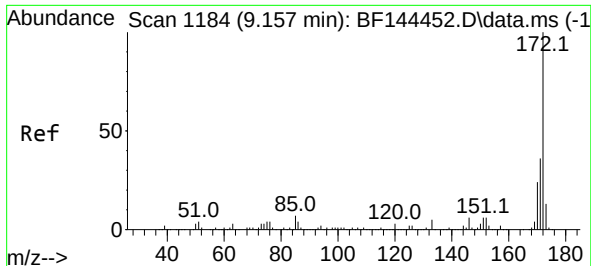


#42
2,4,6-Tribromophenol
Concen: 125.643 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15



Tgt Ion:330 Resp: 493570
Ion Ratio Lower Upper
330 100
332 95.3 77.5 116.3
141 29.8 26.2 39.2

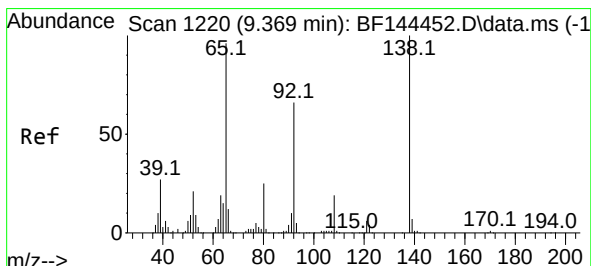
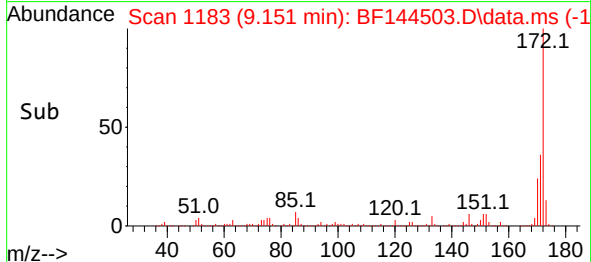
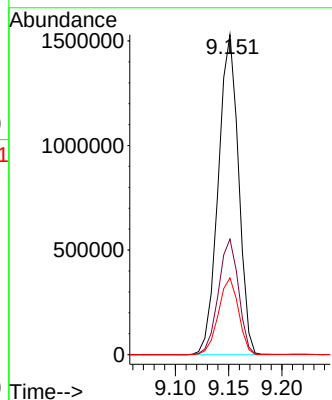
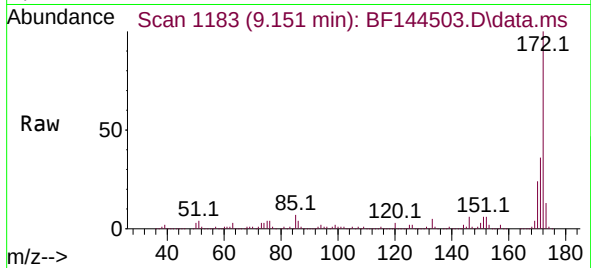




#45
2-Fluorobiphenyl
Concen: 71.436 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

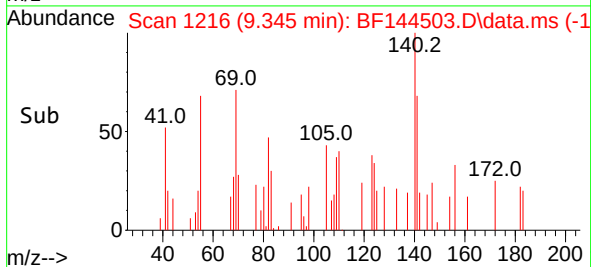
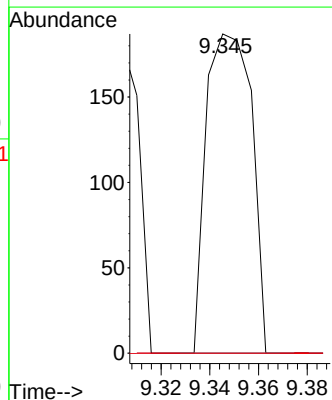
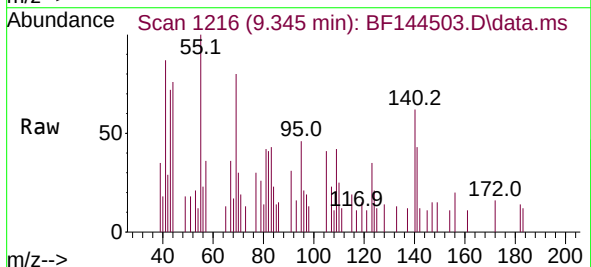
Instrument :
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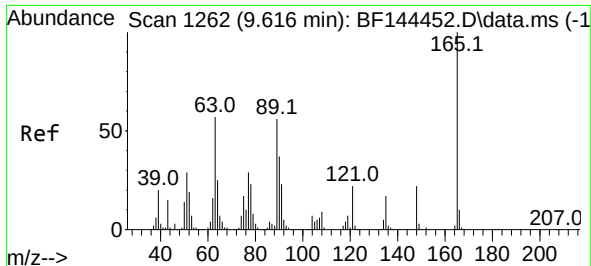
Tgt Ion:172 Resp: 2023321
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.0 19.3 28.9



#48
2-Nitroaniline
Concen: 3.663 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.024 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

Tgt Ion: 65 Resp: 243
Ion Ratio Lower Upper
65 100
92 0.0 55.0 82.4#
138 0.0 83.4 125.2#

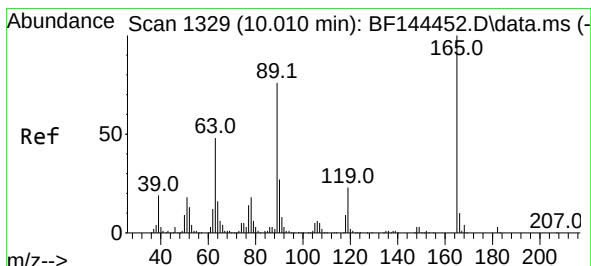
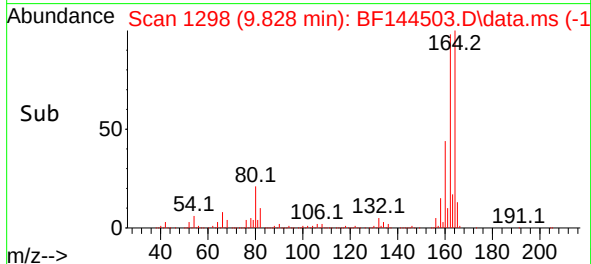
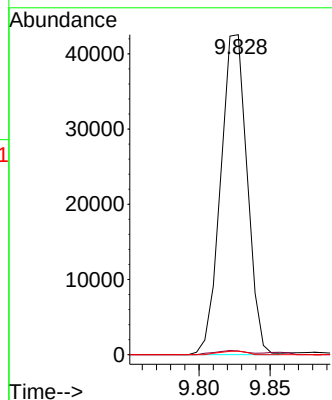
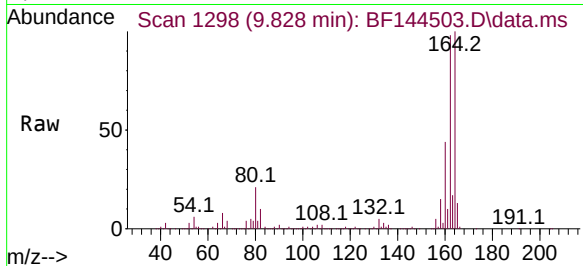




#51
2,6-Dinitrotoluene
Concen: 13.368 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

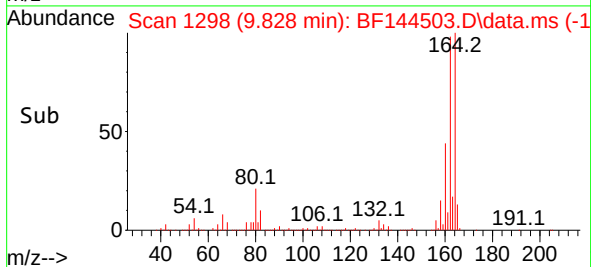
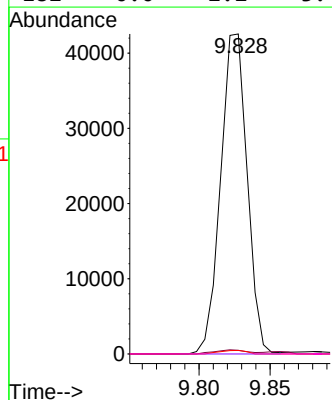
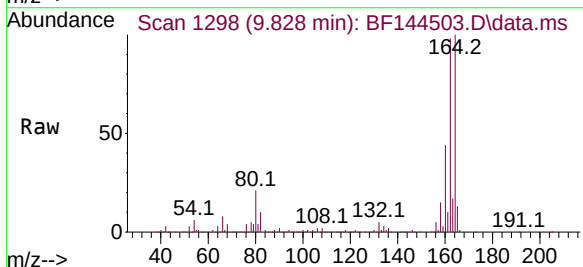
Instrument :
BNA_F
ClientSampleId :
B150(10-12)121225

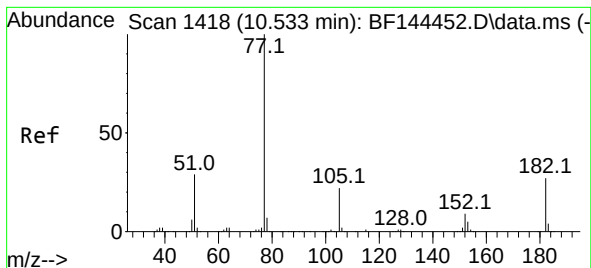
Tgt Ion:165 Resp: 55390
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.1 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 10.817 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

Tgt Ion:165 Resp: 55390
Ion Ratio Lower Upper
165 100
63 1.1 38.2 57.4#
89 1.1 61.2 91.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.785 ng

RT: 10.539 min Scan# 1418

Delta R.T. 0.006 min

Lab File: BF144503.D

Acq: 16 Dec 2025 19:15

Instrument :

BNA_F

ClientSampleId :

B150(10-12)121225

Tgt Ion: 77 Resp: 140667

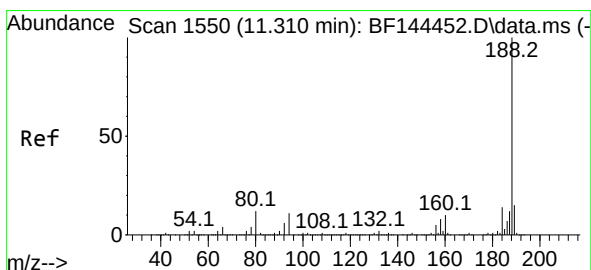
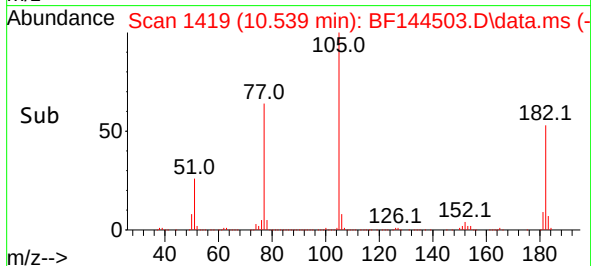
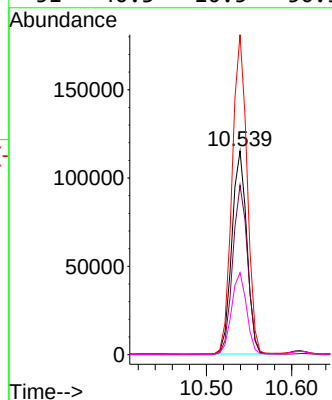
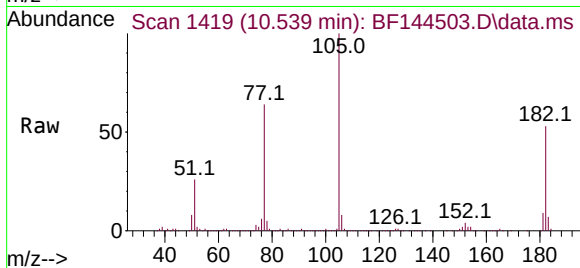
Ion Ratio Lower Upper

77 100

182 83.2 6.1 46.1#

105 157.2 1.5 41.5#

51 40.3 10.5 50.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF144503.D

Acq: 16 Dec 2025 19:15

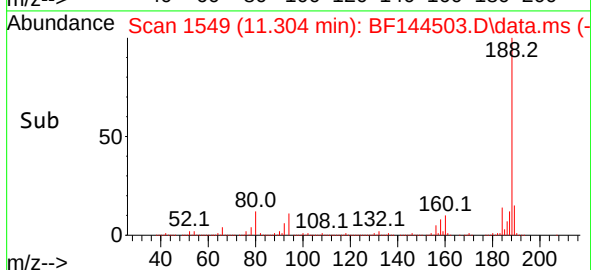
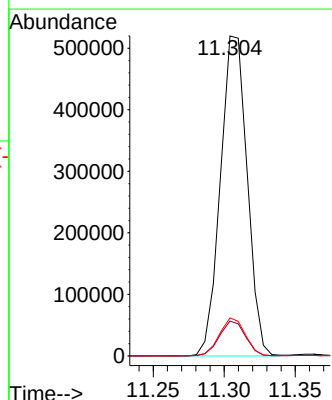
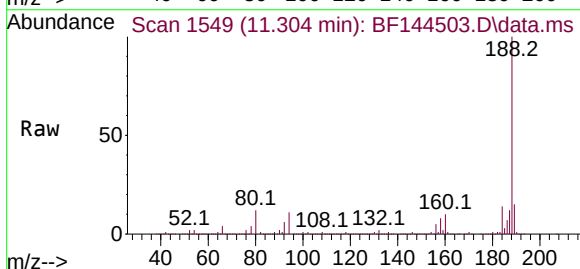
Tgt Ion: 188 Resp: 682015

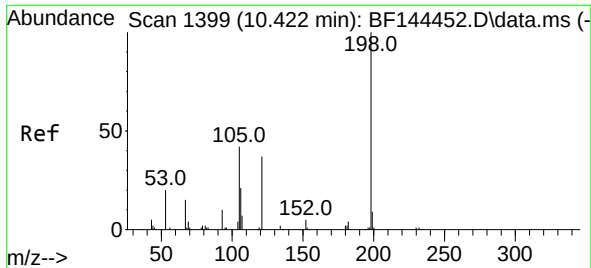
Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.6

80 11.9 9.8 14.8

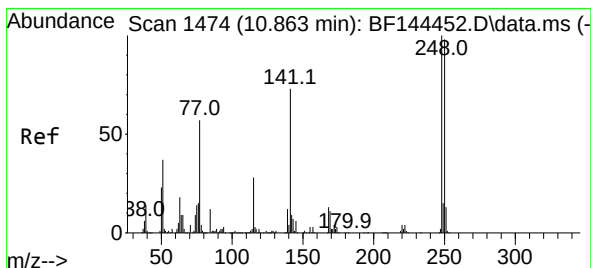
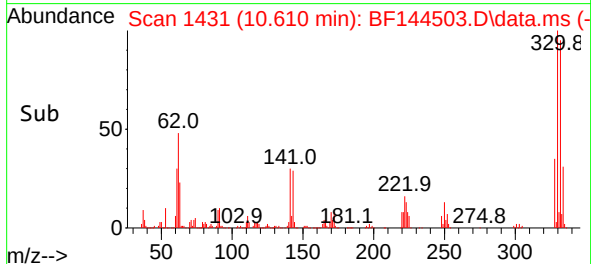
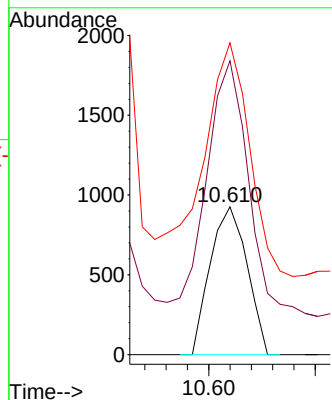
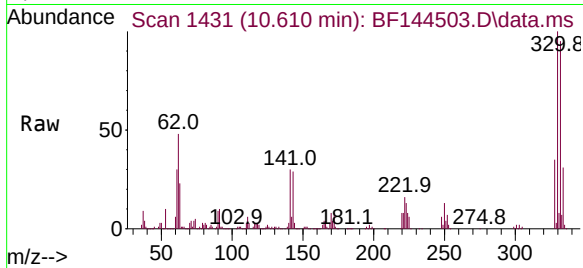




#65
4,6-Dinitro-2-methylphenol
Concen: 7.138 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

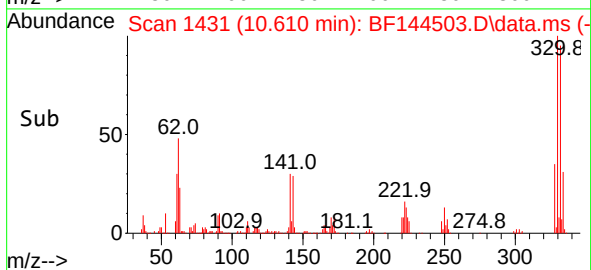
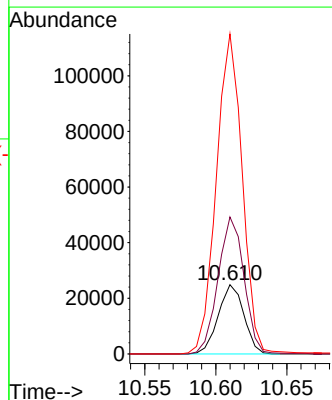
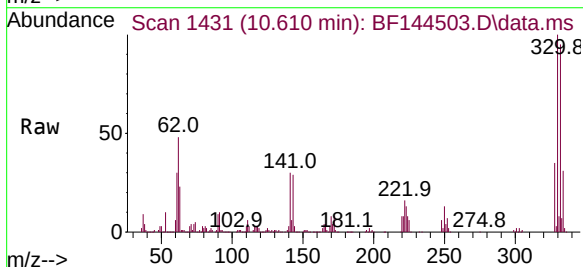
Instrument :
BNA_F
ClientSampleId :
B150(10-12)121225

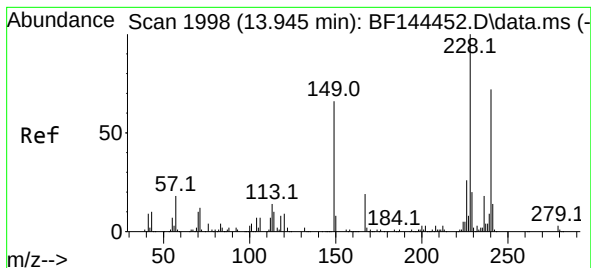
Tgt Ion:198 Resp: 1113
Ion Ratio Lower Upper
198 100
51 198.8 25.5 65.5#
105 210.9 23.4 63.4#



#67
4-Bromophenyl-phenylether
Concen: 3.918 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.253 min
Lab File: BF144503.D
Acq: 16 Dec 2025 19:15

Tgt Ion:248 Resp: 31197
Ion Ratio Lower Upper
248 100
250 198.0 78.2 117.4#
141 462.8 58.5 87.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BF144503.D

Acq: 16 Dec 2025 19:15

Instrument :

BNA_F

ClientSampleId :

B150(10-12)121225

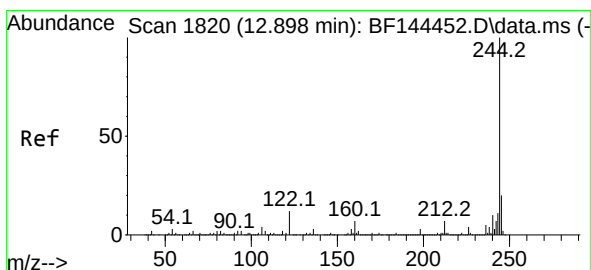
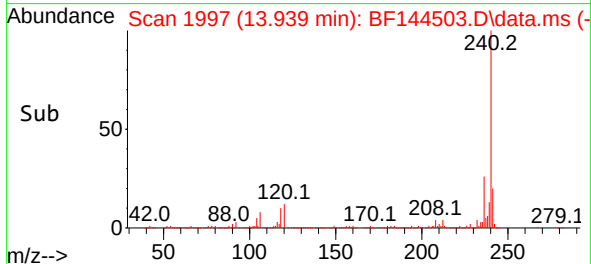
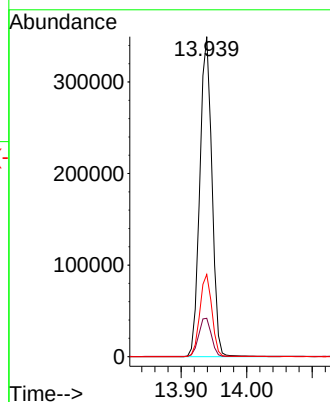
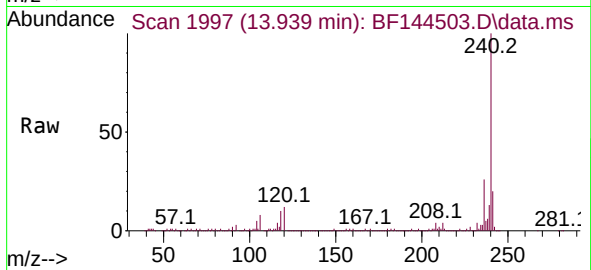
Tgt Ion:240 Resp: 445618

Ion Ratio Lower Upper

240 100

120 12.0 10.3 15.5

236 25.7 20.2 30.4



#79

Terphenyl-d14

Concen: 65.015 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF144503.D

Acq: 16 Dec 2025 19:15

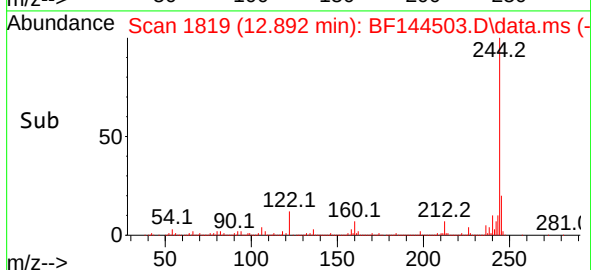
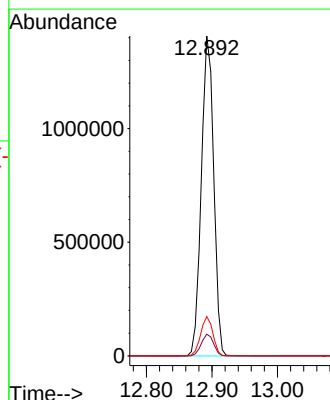
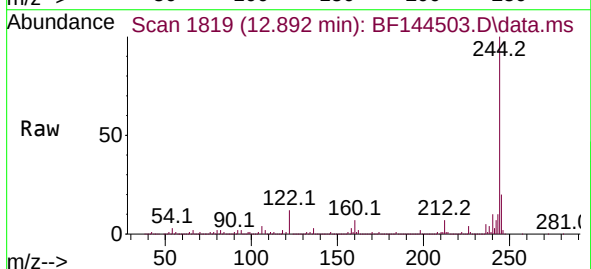
Tgt Ion:244 Resp: 1835059

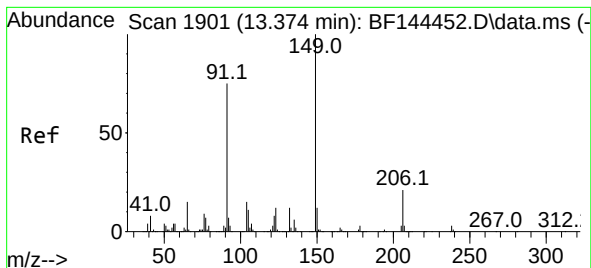
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 12.3 9.9 14.9





#80

Butylbenzylphthalate

Concen: 3.285 ng

RT: 13.374 min Scan# 1901

Delta R.T. 0.000 min

Lab File: BF144503.D

Acq: 16 Dec 2025 19:15

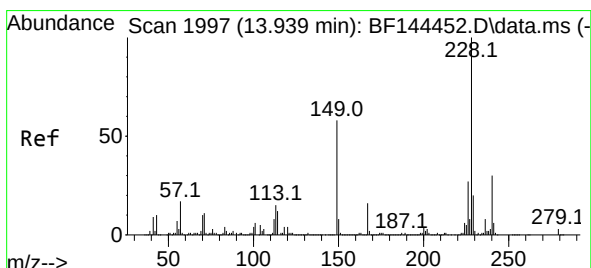
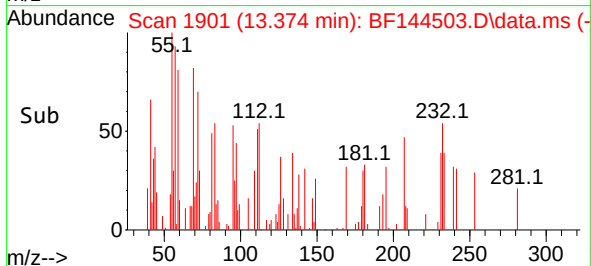
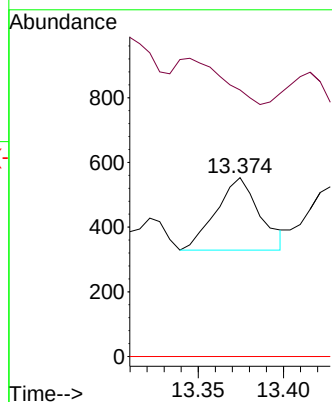
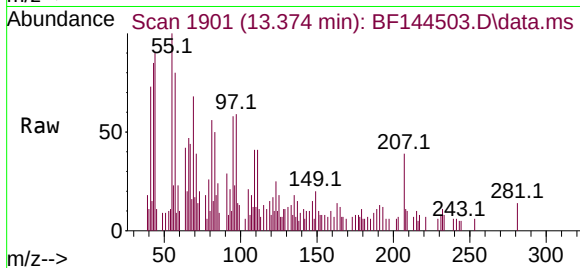
Instrument :

BNA_F

ClientSampleId :

B150(10-12)121225

Tgt Ion:	149	Resp:	398
Ion Ratio	Lower	Upper	
149	100		
91	149.0	59.8	89.8#
206	0.0	17.0	25.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.580 ng

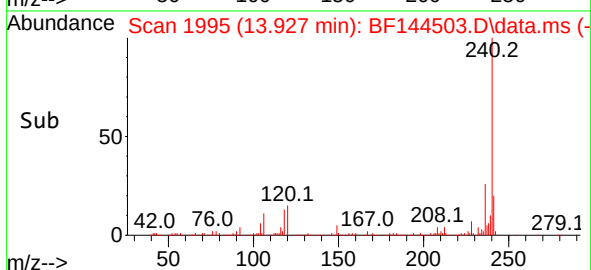
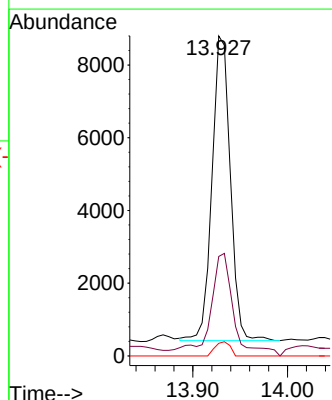
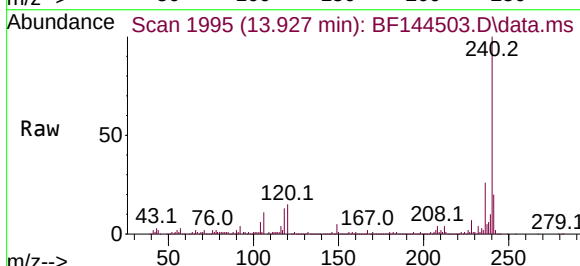
RT: 13.927 min Scan# 1995

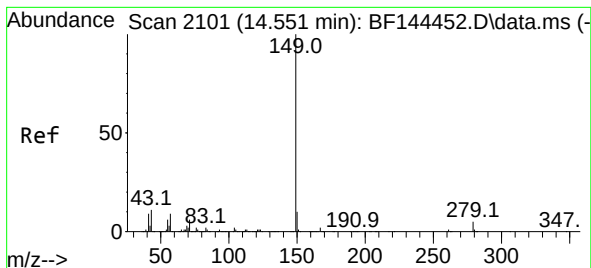
Delta R.T. -0.012 min

Lab File: BF144503.D

Acq: 16 Dec 2025 19:15

Tgt Ion:	149	Resp:	11285
Ion Ratio	Lower	Upper	
149	100		
167	31.1	22.6	34.0
279	3.9	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 6.521 ng

RT: 14.574 min Scan# 2101

Delta R.T. 0.023 min

Lab File: BF144503.D

Acq: 16 Dec 2025 19:15

Instrument :

BNA_F

ClientSampleId :

B150(10-12)121225

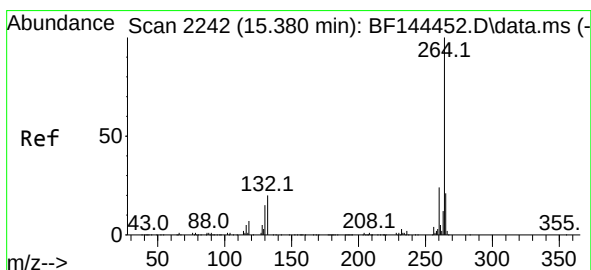
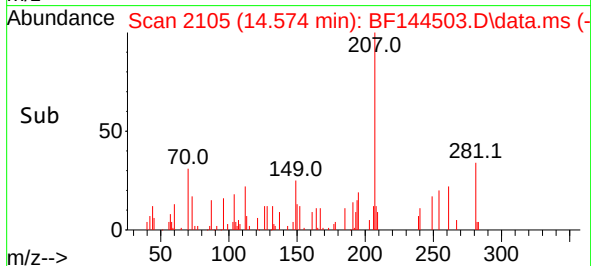
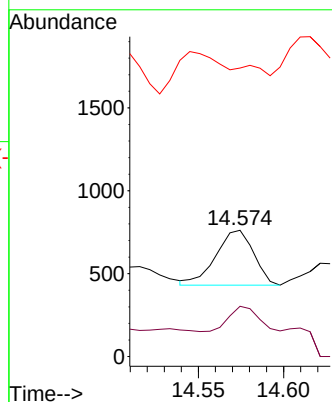
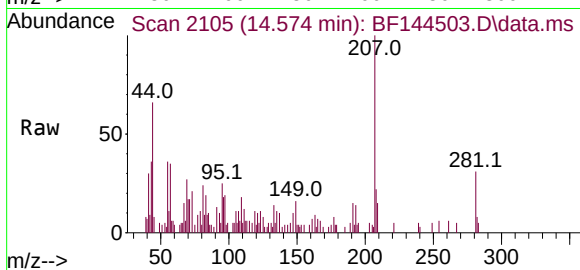
Tgt Ion:149 Resp: 511

Ion Ratio Lower Upper

149 100

167 35.0 1.3 1.9#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.368 min Scan# 2240

Delta R.T. -0.012 min

Lab File: BF144503.D

Acq: 16 Dec 2025 19:15

Tgt Ion:264 Resp: 442778

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 21.4 17.1 25.7

