

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143440.D
 Acq On : 18 Aug 2025 14:36
 Operator : RC/JU
 Sample : Q2844-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0226

Quant Time: Aug 18 15:00:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

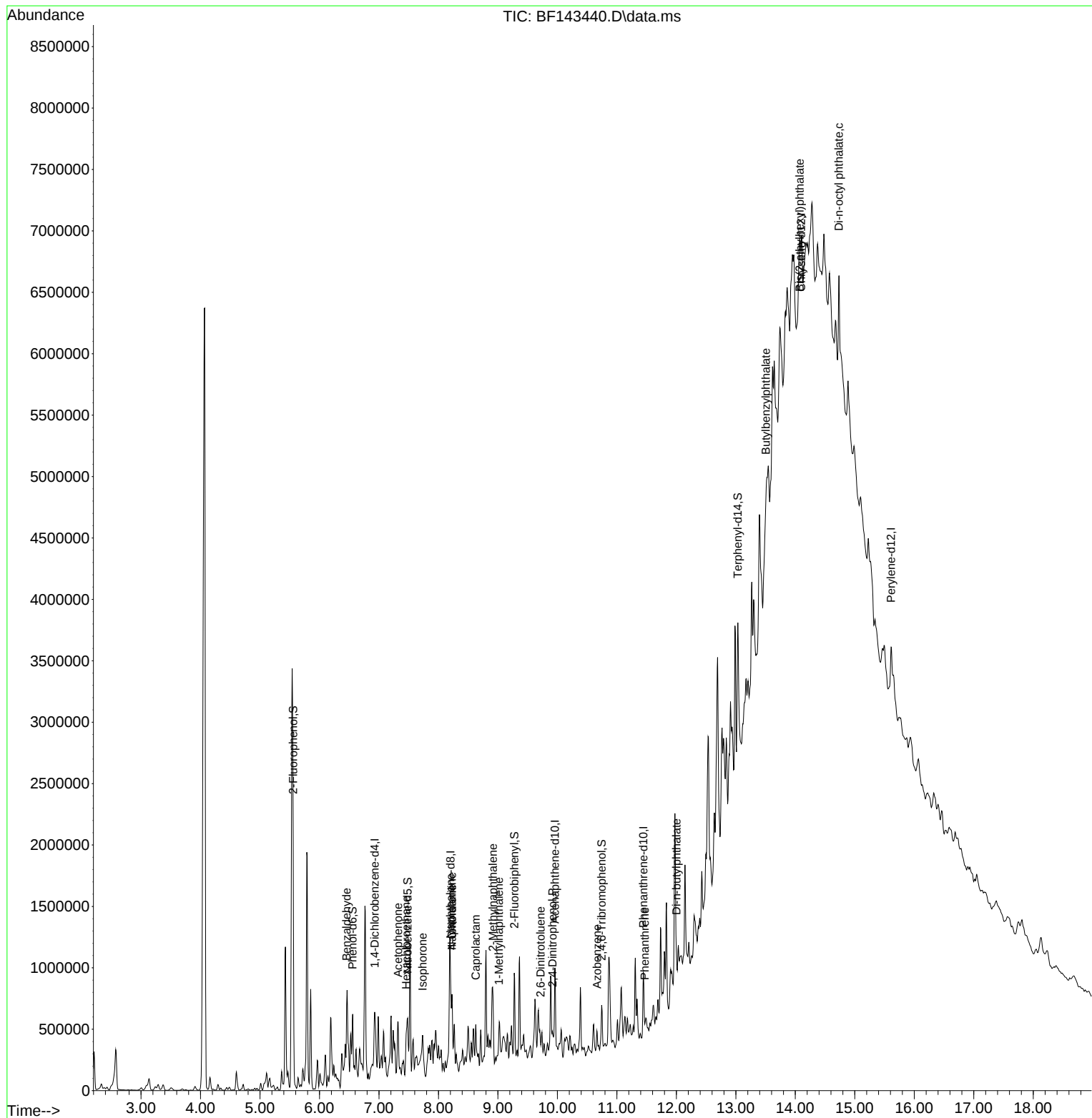
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	79575	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	278220	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	145268	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	257238	20.000	ng	0.00
76) Chrysene-d12	14.098	240	184705	20.000	ng	0.01
86) Perylene-d12	15.609	264	174674	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	184145	40.227	ng	0.00
7) Phenol-d6	6.557	99	240828	41.746	ng	0.00
23) Nitrobenzene-d5	7.481	82	159039	33.920	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	65861	50.937	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	309766	35.866	ng	0.00
79) Terphenyl-d14	13.033	244	391672	35.622	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.457	77	21470	6.996	ng	# 1
18) Hexachloroethane	7.457	117	18480	9.606	ng	# 1
22) Acetophenone	7.322	105	53850	9.002	ng	# 45
25) Isophorone	7.733	82	19497	2.173	ng	# 1
31) Naphthalene	8.228	128	295896	22.402	ng	99
33) 4-Chloroaniline	8.228	127	38341	8.042	ng	# 38
35) Caprolactam	8.628	113	9991	8.863	ng	# 1
37) 2-Methylnaphthalene	8.916	142	148930	16.727	ng	99
38) 1-Methylnaphthalene	9.016	142	66047	7.743	ng	100
51) 2,6-Dinitrotoluene	9.716	165	3830	2.145	ng	# 54
54) 2,4-Dinitrophenol	9.916	184	53	5.830	ng	# 1
63) Azobenzene	10.669	77	33119	3.915	ng	# 1
71) Phenanthrene	11.469	178	32498	2.333	ng	# 92
74) Di-n-butylphthalate	12.004	149	40764	3.440	ng	# 90
80) Butylbenzylphthalate	13.504	149	63307	15.921	ng	95
84) Bis(2-ethylhexyl)phtha...	14.074	149	251502	44.537	ng	# 86
85) Di-n-octyl phthalate	14.733	149	158187	13.811	ng	# 59

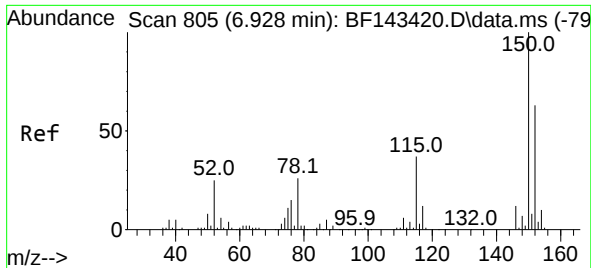
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
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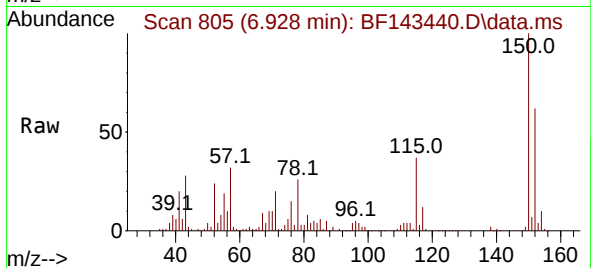
Quant Time: Aug 18 15:00:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
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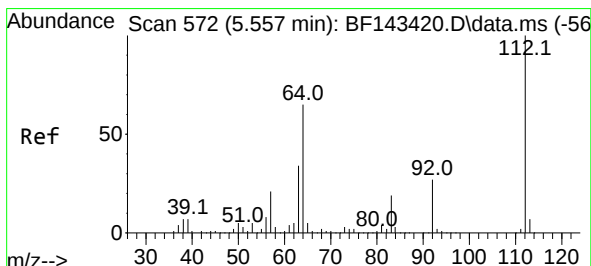
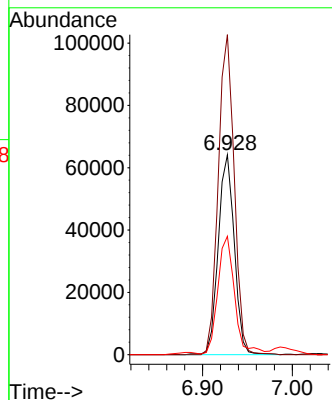
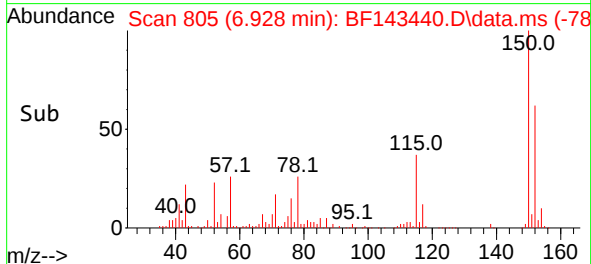


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Instrument :
BNA_F
ClientSampleId :
MOO-25-0226

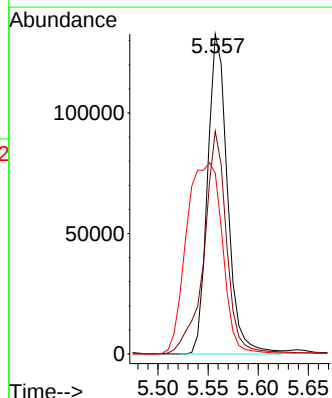
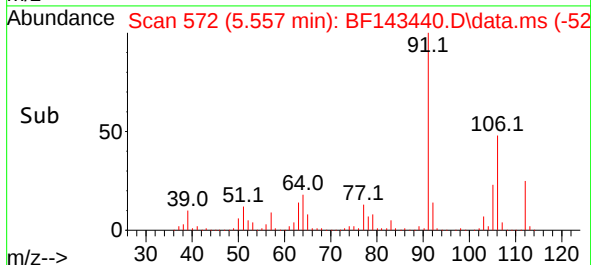
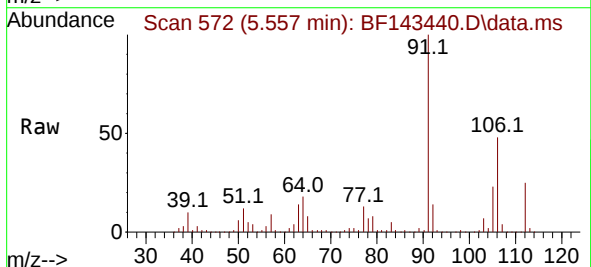


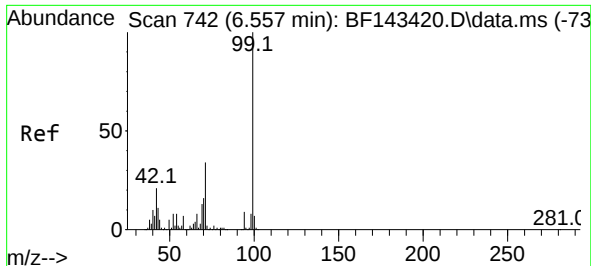
Tgt Ion:152 Resp: 79575
Ion Ratio Lower Upper
152 100
150 160.1 127.4 191.2
115 59.2 47.5 71.3



#5
2-Fluorophenol
Concen: 40.227 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion:112 Resp: 184145
Ion Ratio Lower Upper
112 100
64 69.6 52.2 78.2
63 56.5 27.0 40.6#





#7
Phenol-d6
Concen: 41.746 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

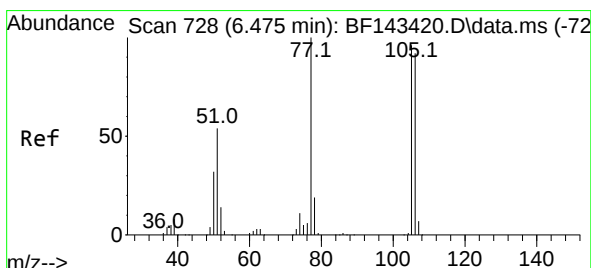
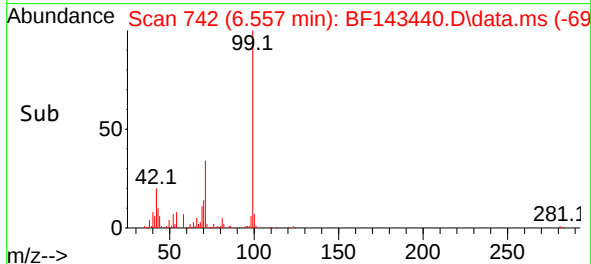
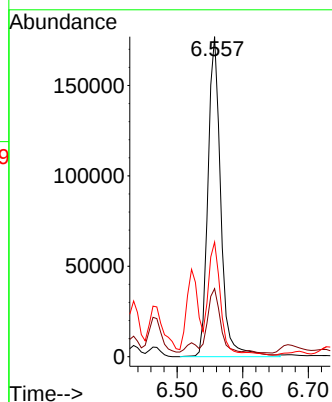
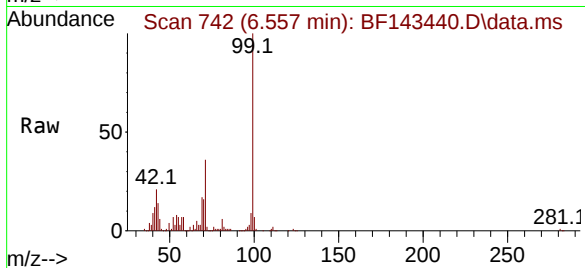
Instrument :

BNA_F

ClientSampleId :

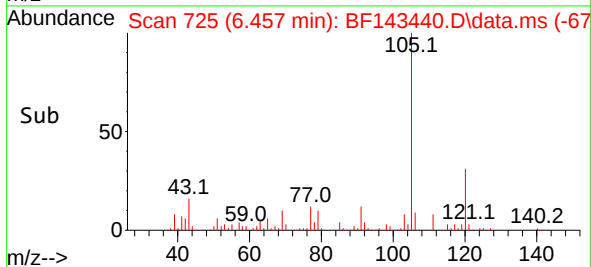
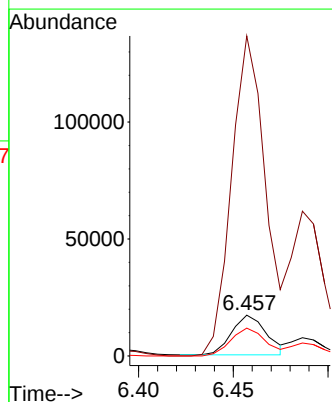
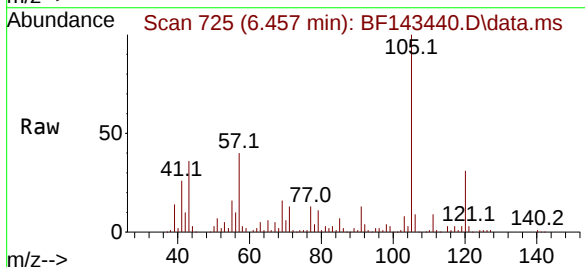
MOO-25-0226

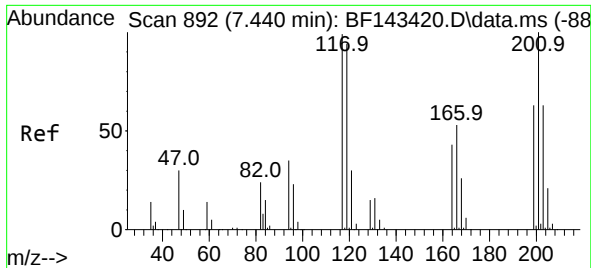
Tgt Ion: 99 Resp: 240828
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 35.8 27.4 41.2



#9
Benzaldehyde
Concen: 6.996 ng
RT: 6.457 min Scan# 725
Delta R.T. -0.018 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion: 77 Resp: 21470
Ion Ratio Lower Upper
77 100
105 784.9 75.5 115.5#
106 68.2 72.0 112.0#

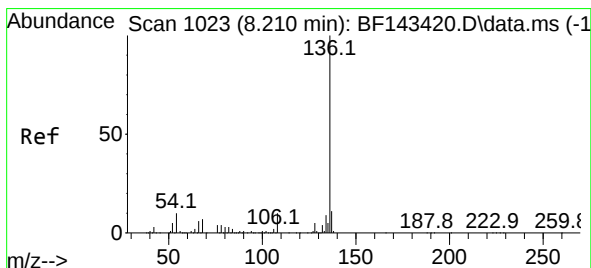
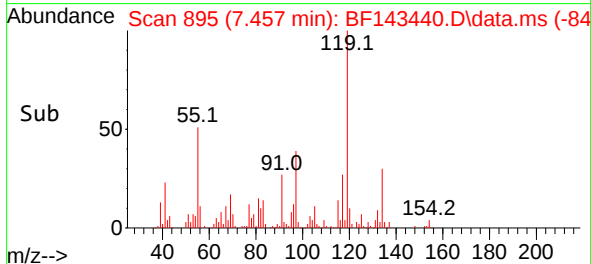
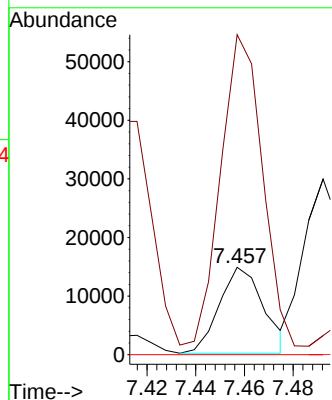
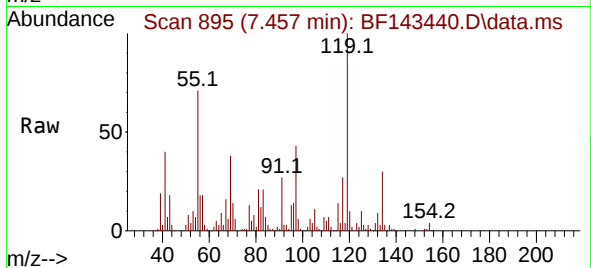




#18
Hexachloroethane
Concen: 9.606 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.017 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

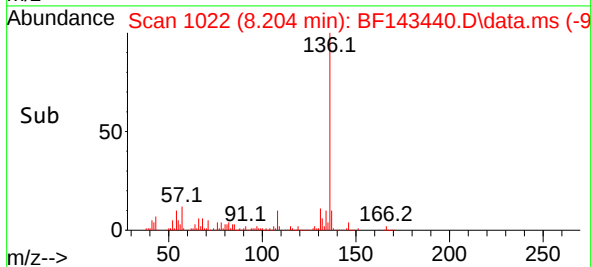
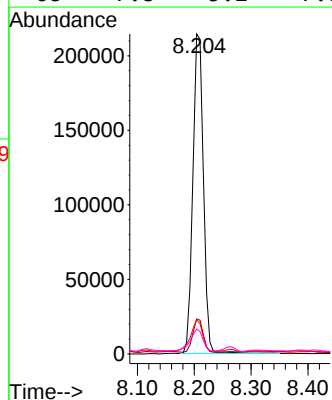
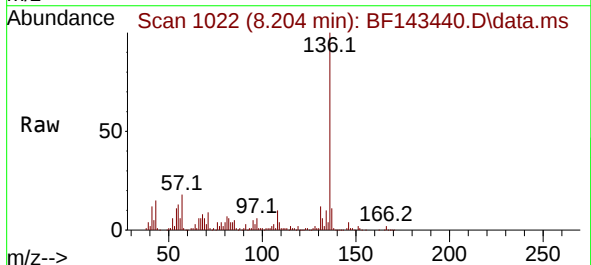
Instrument :
BNA_F
ClientSampleId :
MOO-25-0226

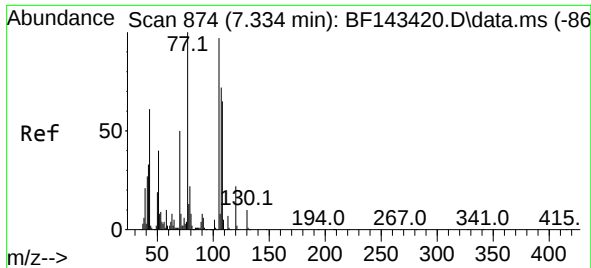
Tgt Ion:117 Resp: 18480
Ion Ratio Lower Upper
117 100
119 366.5 76.6 114.8#
201 0.0 81.0 121.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion:136 Resp: 278220
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.7 7.8 11.8
68 7.8 5.2 7.8#

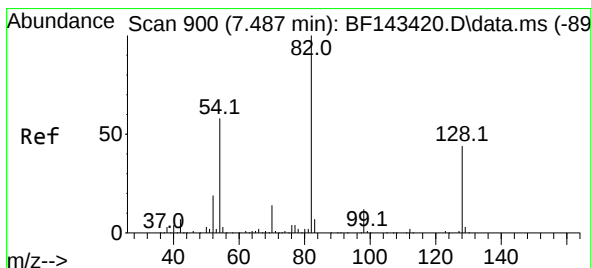
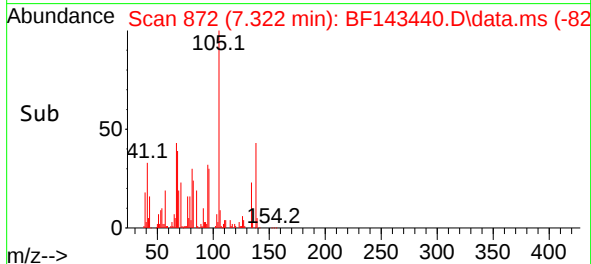
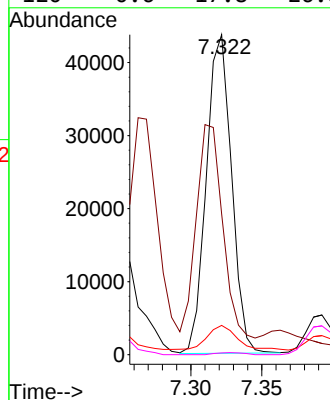
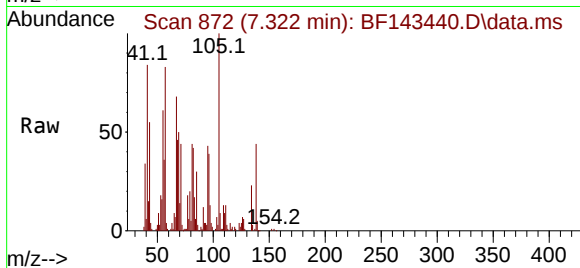




#22
Acetophenone
Concen: 9.002 ng
RT: 7.322 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

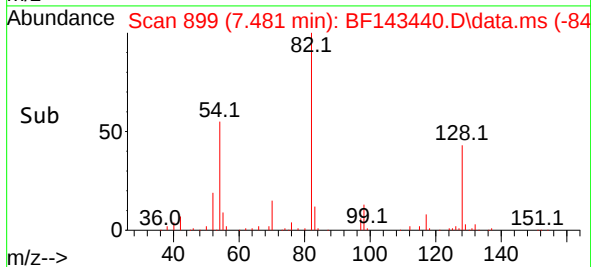
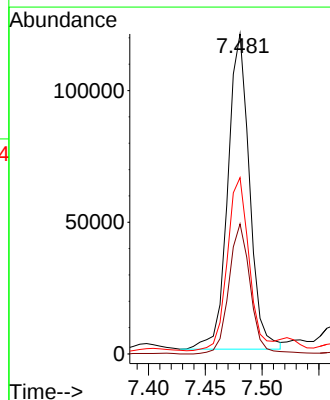
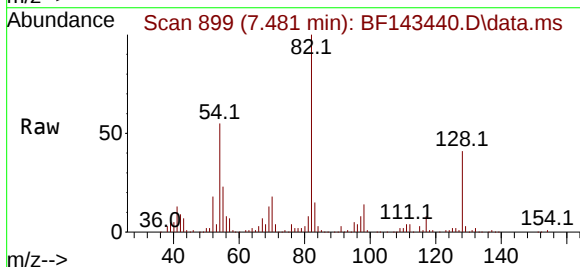
Instrument :
BNA_F
ClientSampleId :
MOO-25-0226

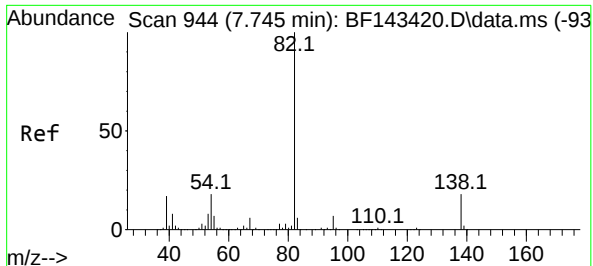
Tgt Ion:105 Resp: 53850
Ion Ratio Lower Upper
105 100
71 44.0 7.0 10.4#
51 9.1 32.7 49.1#
120 0.6 17.8 26.8#



#23
Nitrobenzene-d5
Concen: 33.920 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion: 82 Resp: 159039
Ion Ratio Lower Upper
82 100
128 40.6 34.6 52.0
54 55.1 46.0 69.0

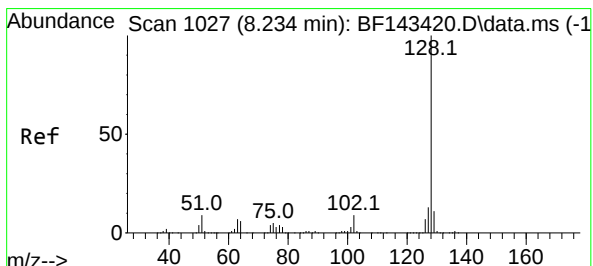
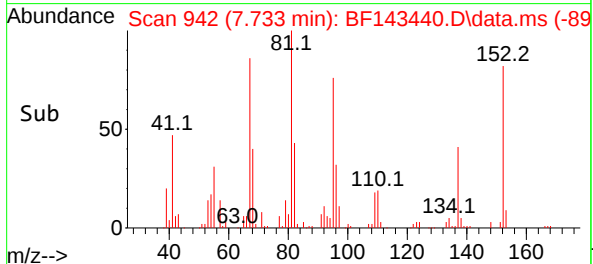
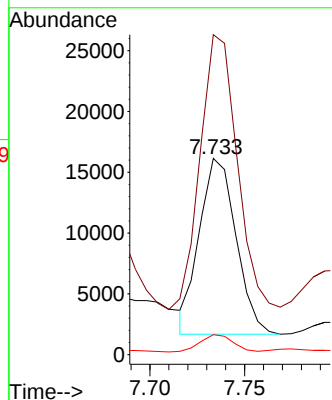
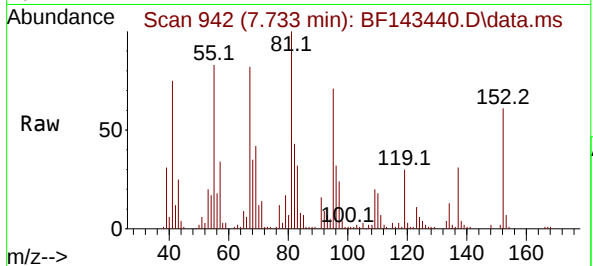




#25
Isophorone
Concen: 2.173 ng
RT: 7.733 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

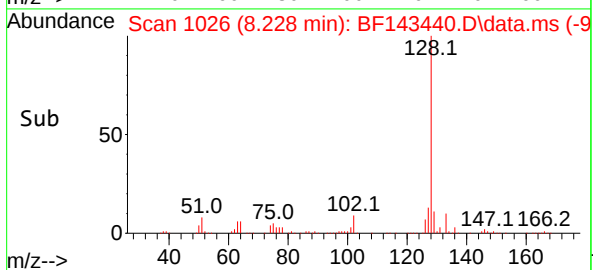
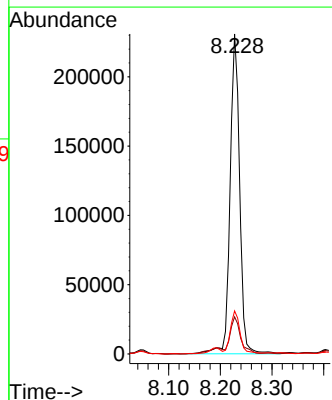
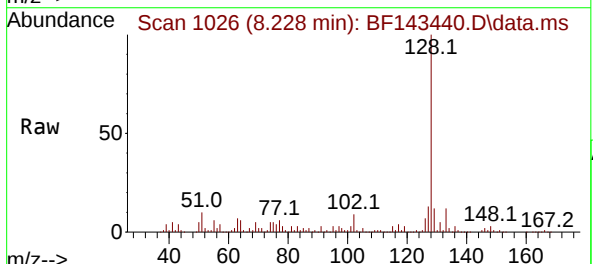
Instrument :
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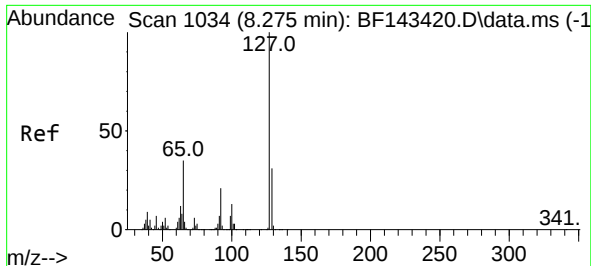
Tgt Ion: 82 Resp: 19497
Ion Ratio Lower Upper
82 100
95 163.0 5.6 8.4#
138 10.2 14.3 21.5#



#31
Naphthalene
Concen: 22.402 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion:128 Resp: 295896
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.4 10.6 16.0

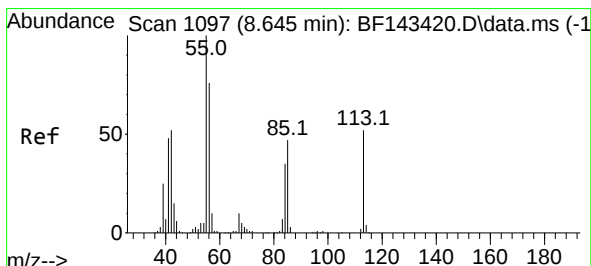
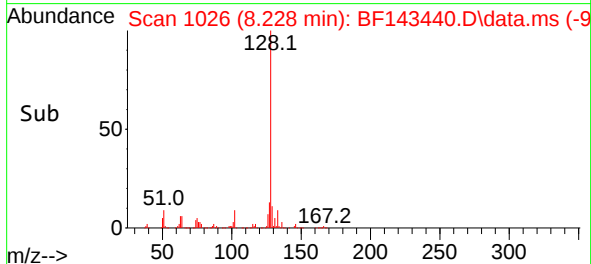
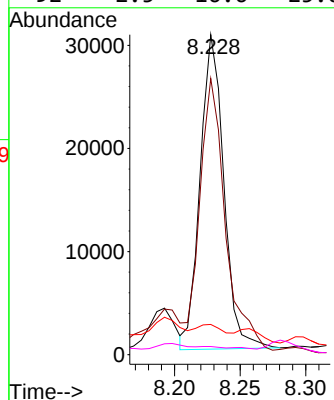
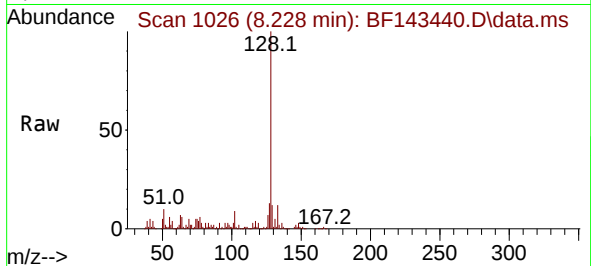




#33
4-Chloroaniline
Concen: 8.042 ng
RT: 8.228 min Scan# 1094
Delta R.T. -0.047 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

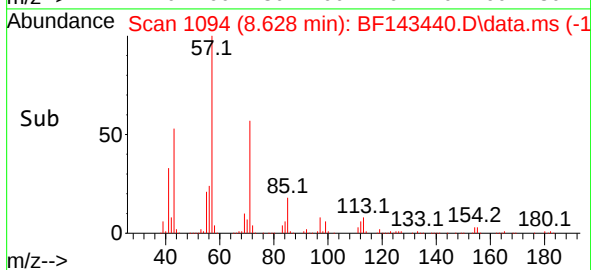
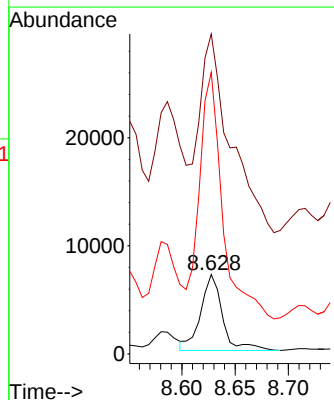
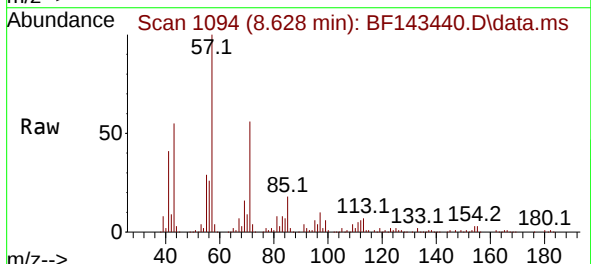
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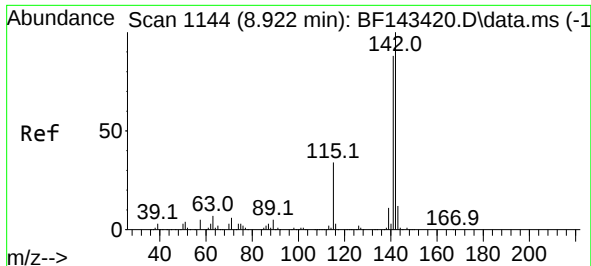
Tgt Ion:127	Resp:	38341
Ion Ratio	Lower	Upper
127	100	
129	86.3	25.8 38.8#
65	9.5	27.2 40.8#
92	2.5	16.6 25.0#



#35
Caprolactam
Concen: 8.863 ng
RT: 8.628 min Scan# 1094
Delta R.T. -0.018 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion:113	Resp:	9991
Ion Ratio	Lower	Upper
113	100	
55	403.4	174.7 214.7#
56	355.0	127.0 167.0#

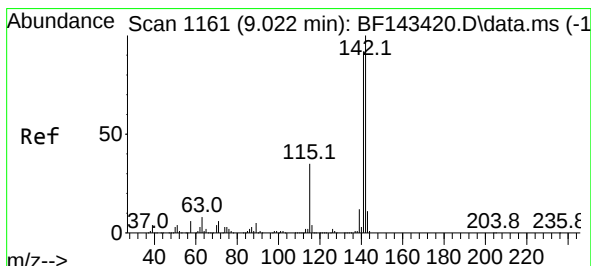
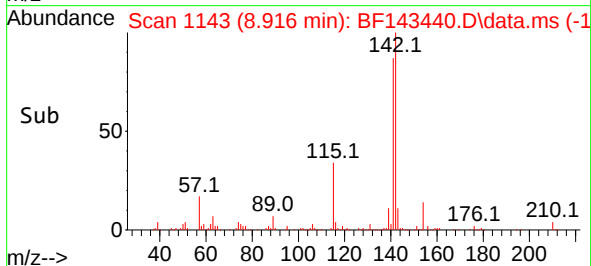
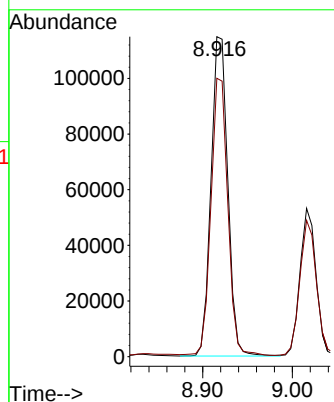
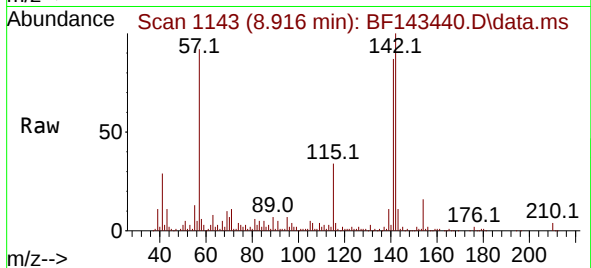




#37
2-Methylnaphthalene
Concen: 16.727 ng
RT: 8.916 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

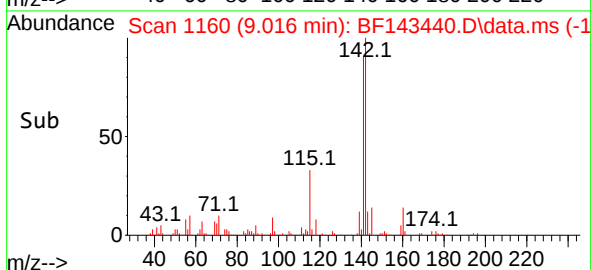
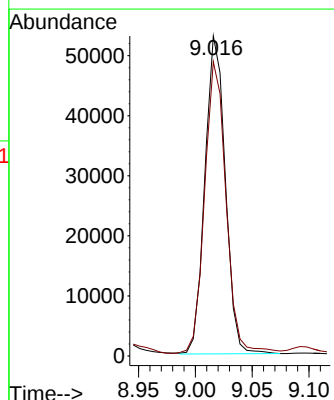
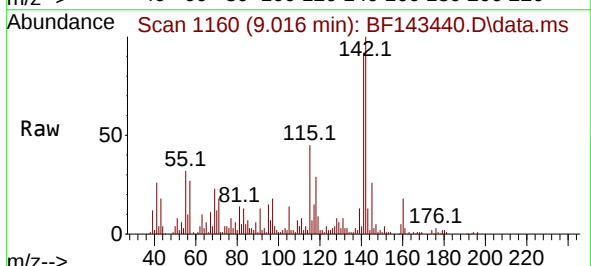
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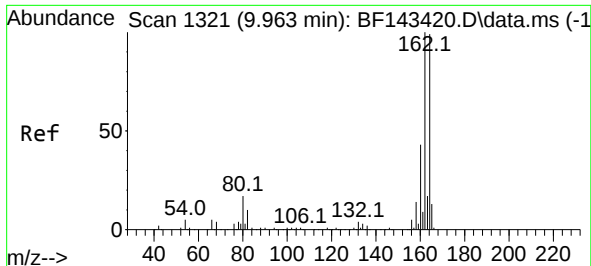
Tgt Ion:142 Resp: 148930
Ion Ratio Lower Upper
142 100
141 87.0 70.3 105.5



#38
1-Methylnaphthalene
Concen: 7.743 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion:142 Resp: 66047
Ion Ratio Lower Upper
142 100
141 91.9 73.8 110.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143440.D

Acq: 18 Aug 2025 14:36

Instrument :

BNA_F

ClientSampleId :

MOO-25-0226

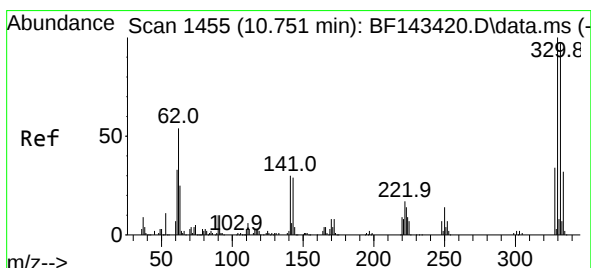
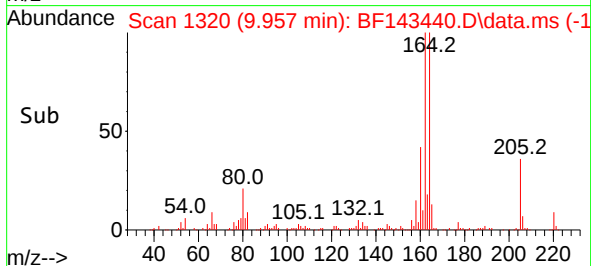
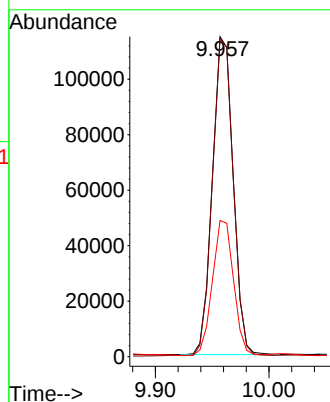
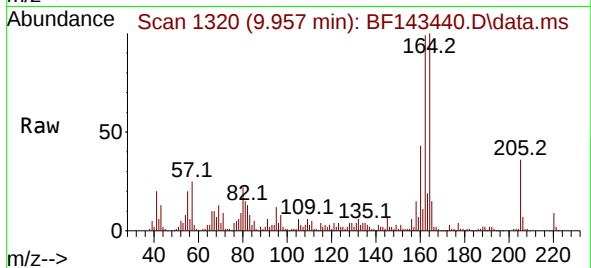
Tgt Ion:164 Resp: 145268

Ion Ratio Lower Upper

164 100

162 99.4 80.6 121.0

160 42.6 34.6 51.8



#42

2,4,6-Tribromophenol

Concen: 50.937 ng

RT: 10.745 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF143440.D

Acq: 18 Aug 2025 14:36

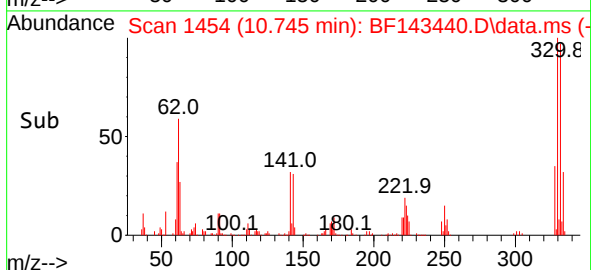
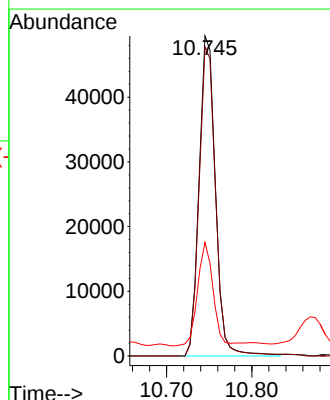
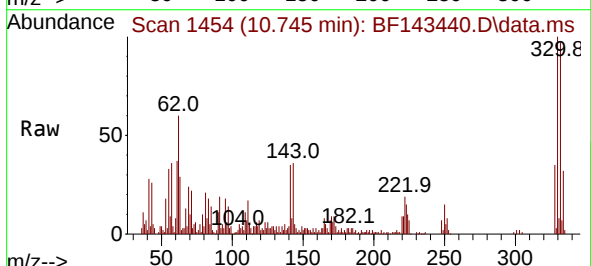
Tgt Ion:330 Resp: 65861

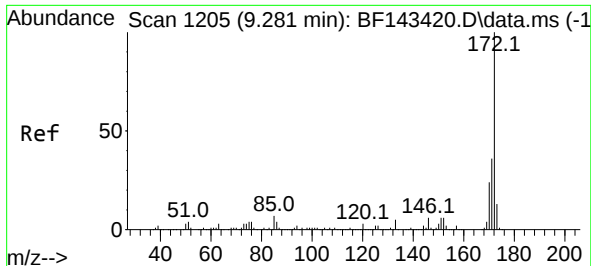
Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

141 30.6 24.1 36.1

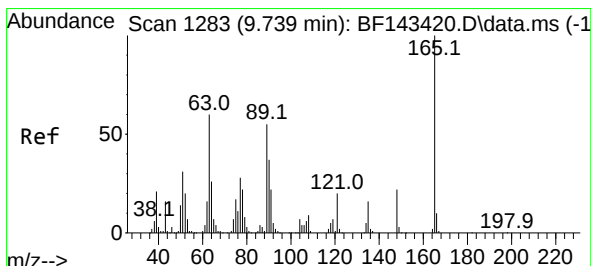
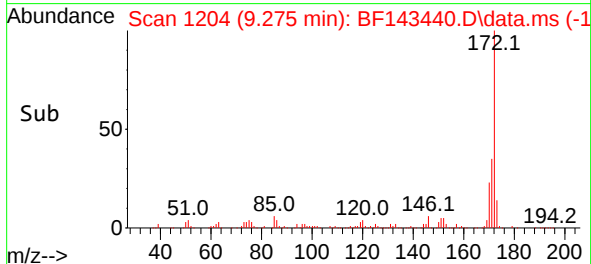
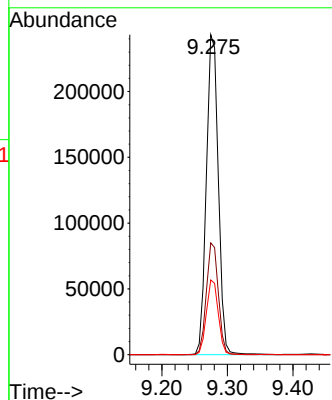
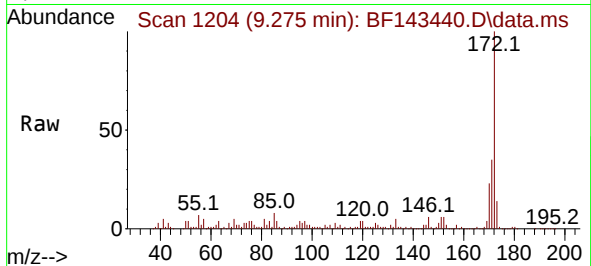




#45
2-Fluorobiphenyl
Concen: 35.866 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

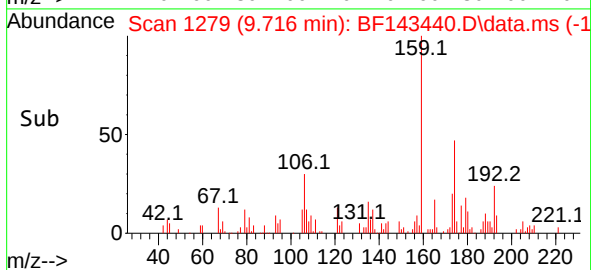
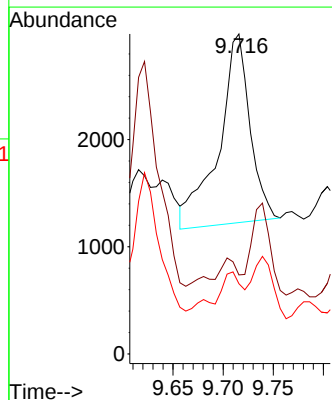
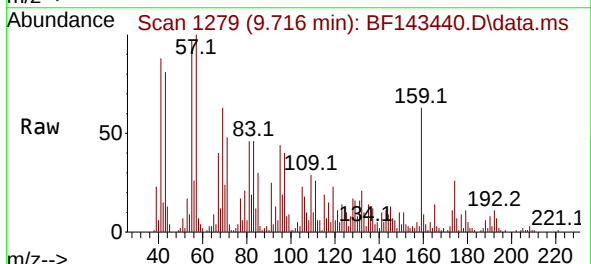
Instrument :
BNA_F
ClientSampleId :
MOO-25-0226

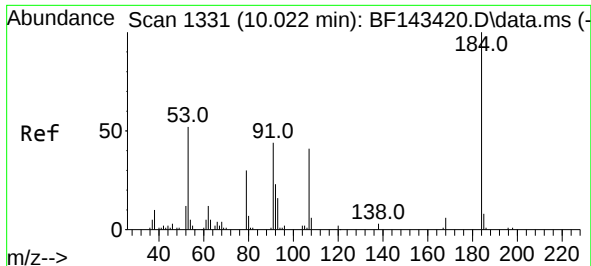
Tgt Ion:172 Resp: 309766
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 23.4 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 2.145 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.024 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion:165 Resp: 3830
Ion Ratio Lower Upper
165 100
63 24.7 48.2 72.2#
89 21.9 44.2 66.2#

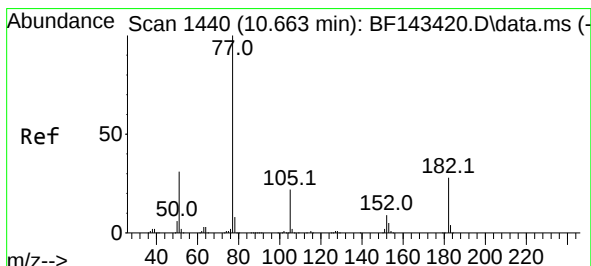
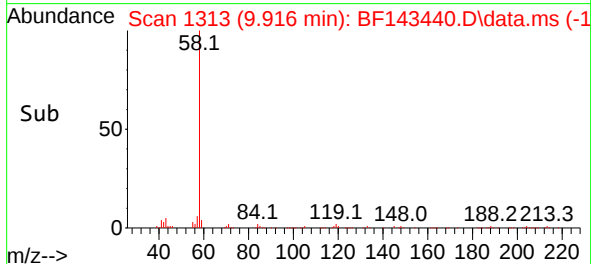
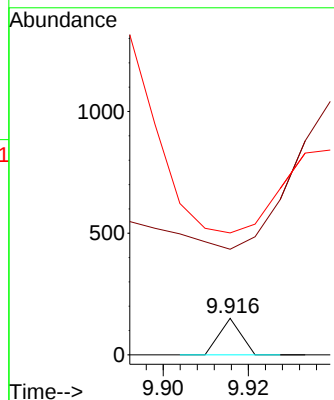
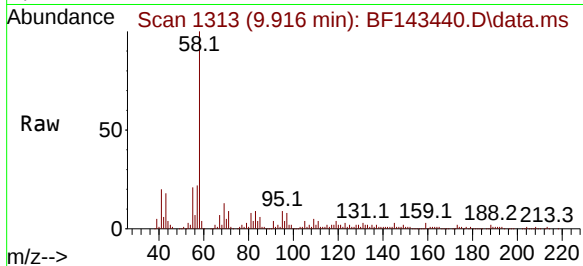




#54
2,4-Dinitrophenol
Concen: 5.830 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

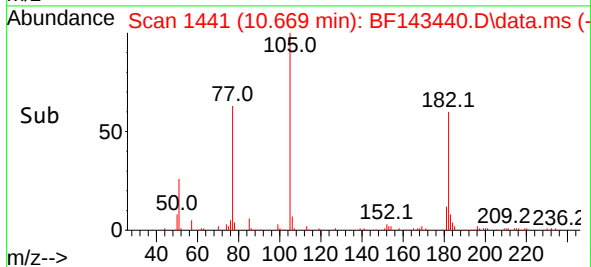
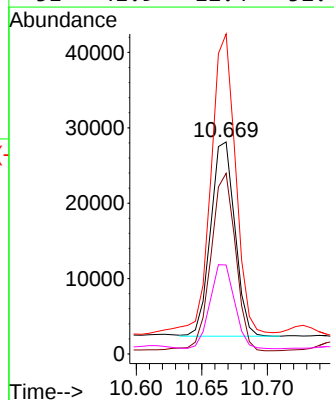
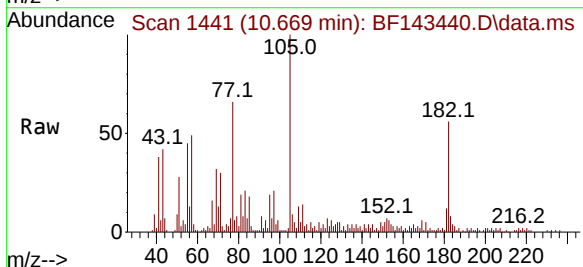
Instrument :
BNA_F
ClientSampleId :
MOO-25-0226

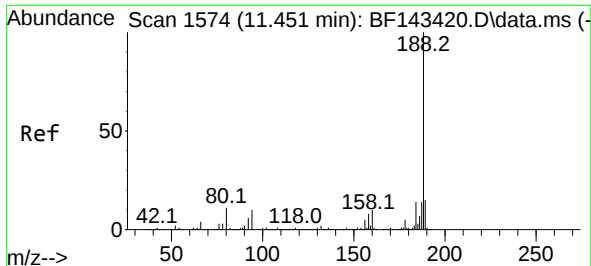
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 289.3 53.2 79.8#
154 334.0 51.3 76.9#



#63
Azobenzene
Concen: 3.915 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion: 77 Resp: 33119
Ion Ratio Lower Upper
77 100
182 85.2 7.4 47.4#
105 150.9 1.7 41.7#
51 41.9 12.4 52.4

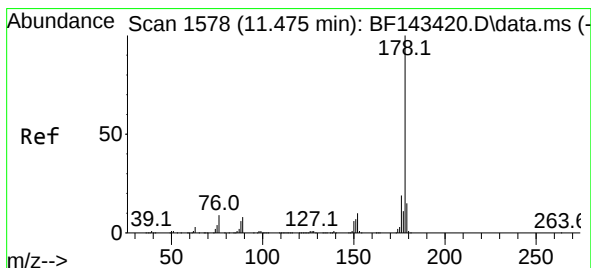
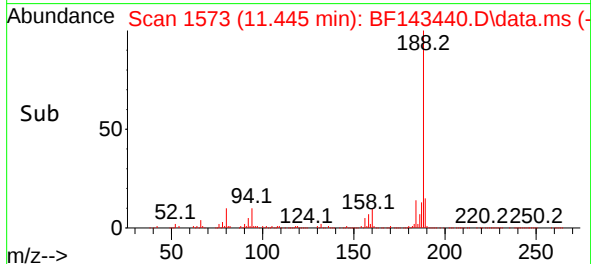
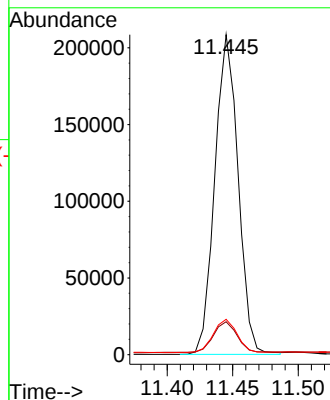
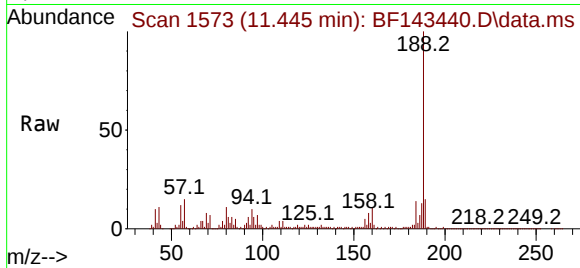




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

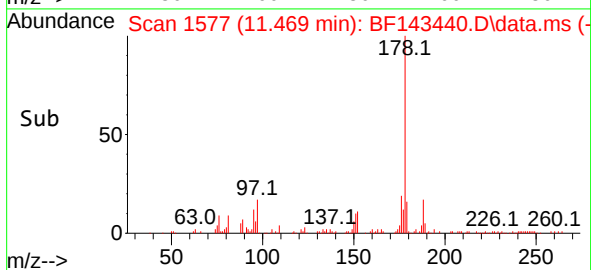
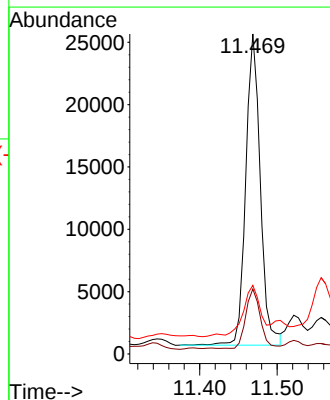
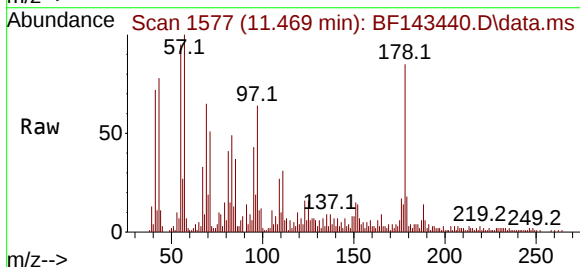
Instrument :
BNA_F
ClientSampleId :
MOO-25-0226

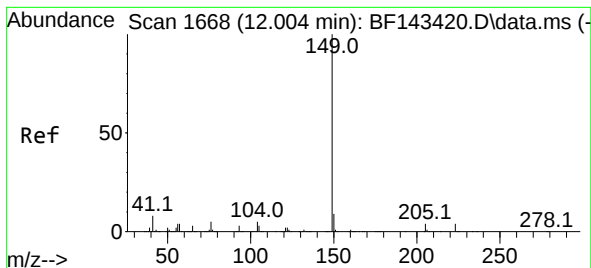
Tgt Ion:188 Resp: 257238
Ion Ratio Lower Upper
188 100
94 10.3 8.0 12.0
80 11.1 8.6 12.8



#71
Phenanthrene
Concen: 2.333 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion:178 Resp: 32498
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.0
179 21.5 12.3 18.5#





#74

Di-n-butylphthalate

Concen: 3.440 ng

RT: 12.004 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143440.D

Acq: 18 Aug 2025 14:36

Instrument :

BNA_F

ClientSampleId :

MOO-25-0226

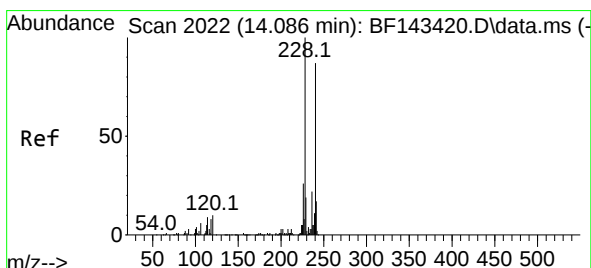
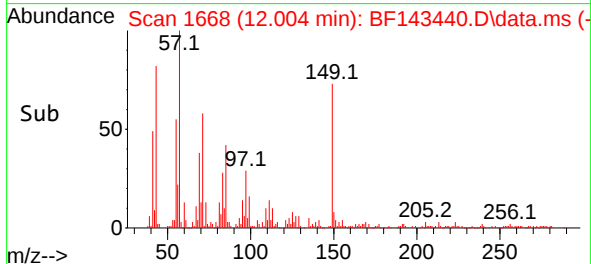
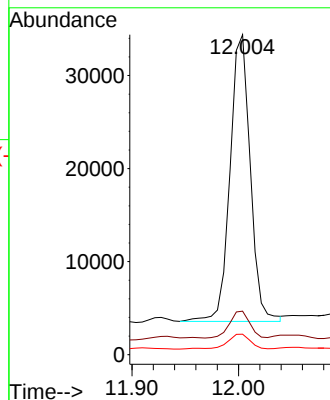
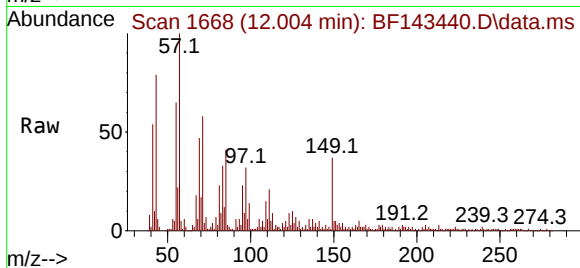
Tgt Ion:149 Resp: 40764

Ion Ratio Lower Upper

149 100

150 13.6 7.3 10.9#

104 6.4 3.8 5.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.012 min

Lab File: BF143440.D

Acq: 18 Aug 2025 14:36

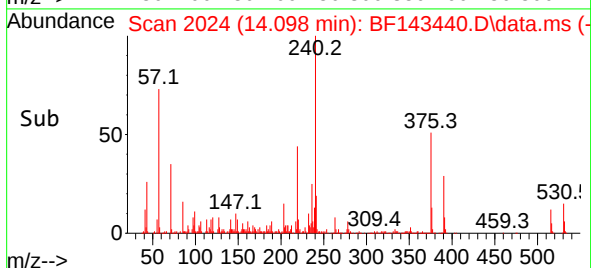
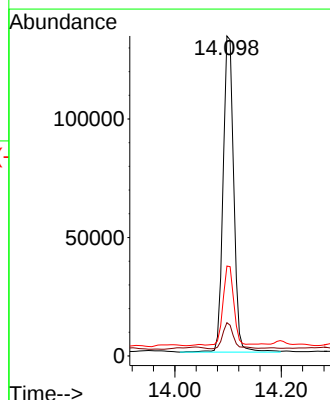
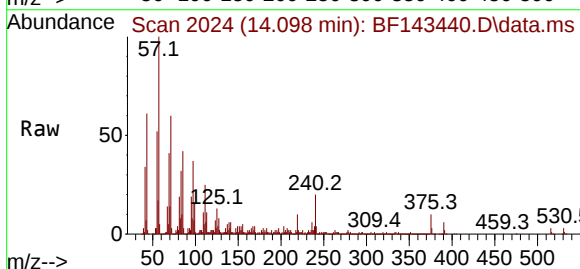
Tgt Ion:240 Resp: 184705

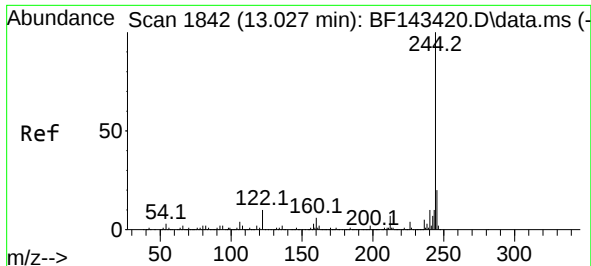
Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.4

236 28.1 20.2 30.2

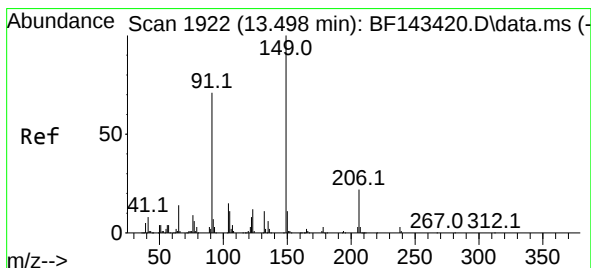
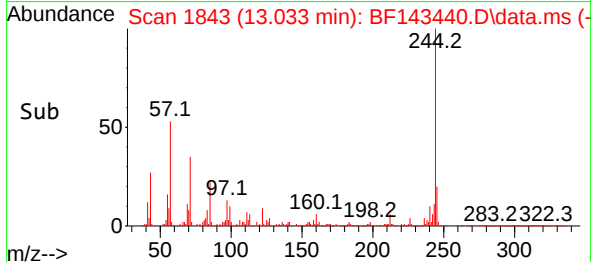
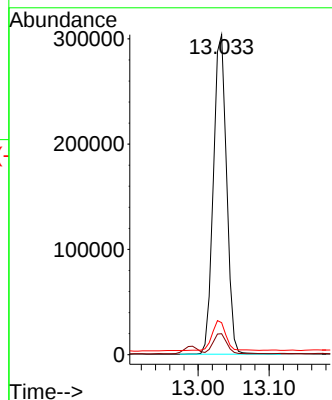
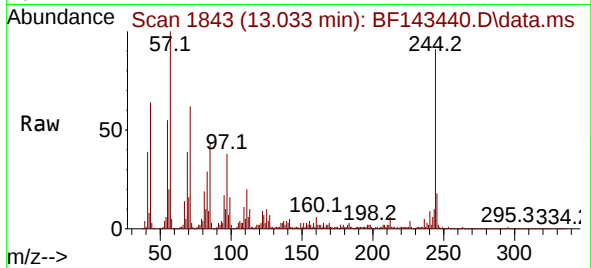




#79
Terphenyl-d14
Concen: 35.622 ng
RT: 13.033 min Scan# 1842
Delta R.T. 0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

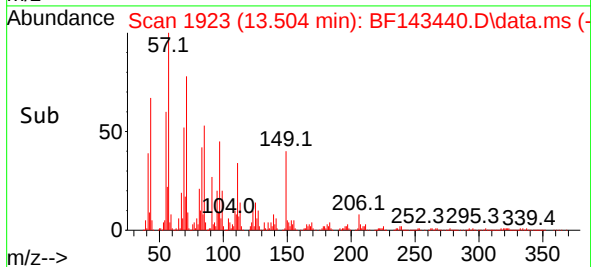
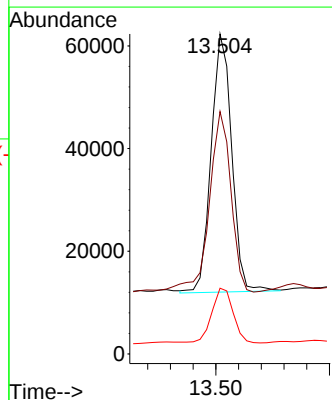
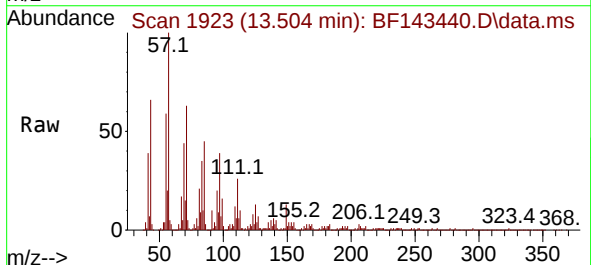
Instrument :
BNA_F
ClientSampleId :
MOO-25-0226

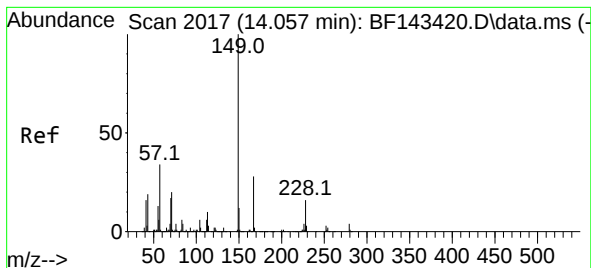
Tgt Ion:244 Resp: 391672
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.0 8.3 12.5



#80
Butylbenzylphthalate
Concen: 15.921 ng
RT: 13.504 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BF143440.D
Acq: 18 Aug 2025 14:36

Tgt Ion:149 Resp: 63307
Ion Ratio Lower Upper
149 100
91 75.7 57.0 85.4
206 20.5 17.6 26.4

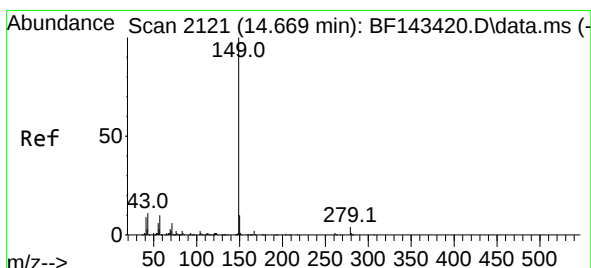
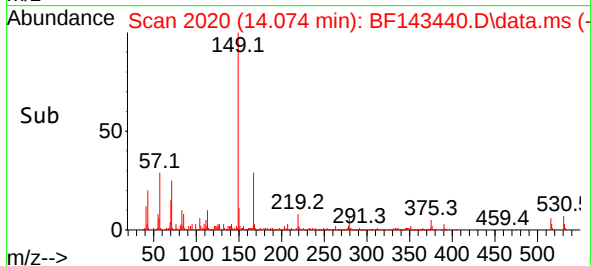
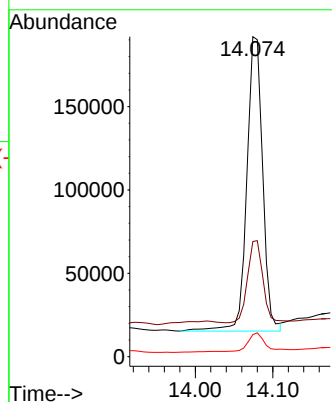
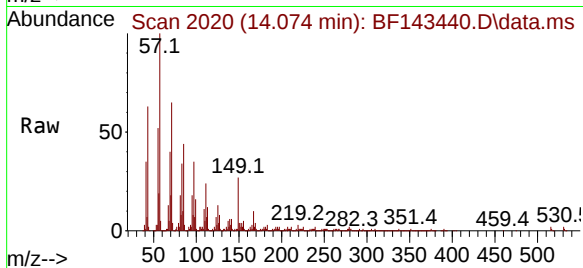




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.537 ng
 RT: 14.074 min Scan# 2017
 Delta R.T. 0.017 min
 Lab File: BF143440.D
 Acq: 18 Aug 2025 14:36

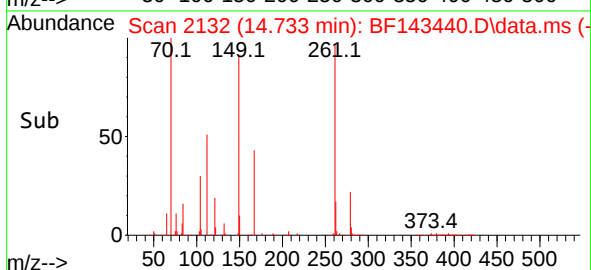
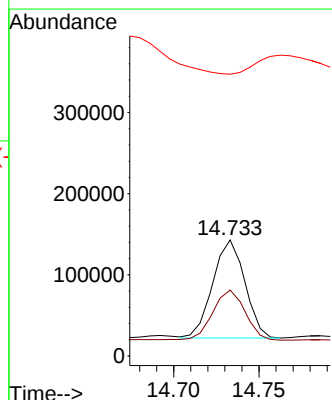
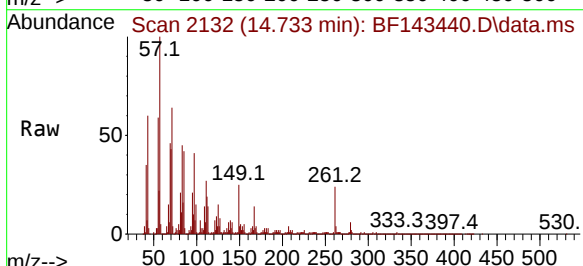
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0226

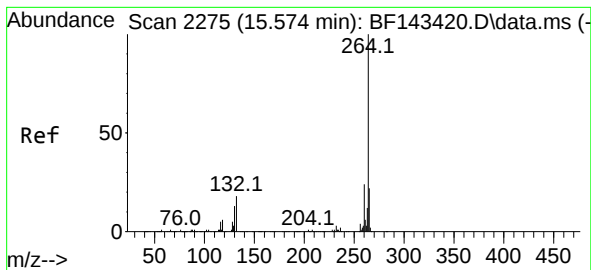
Tgt Ion:149 Resp: 251502
 Ion Ratio Lower Upper
 149 100
 167 36.0 22.6 33.8#
 279 6.9 3.5 5.3#



#85
 Di-n-octyl phthalate
 Concen: 13.811 ng
 RT: 14.733 min Scan# 2132
 Delta R.T. 0.064 min
 Lab File: BF143440.D
 Acq: 18 Aug 2025 14:36

Tgt Ion:149 Resp: 158187
 Ion Ratio Lower Upper
 149 100
 167 51.2 1.2 1.8#
 43 0.0 9.0 13.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.609 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BF143440.D
 Acq: 18 Aug 2025 14:36

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0226

Tgt Ion:264 Resp: 174674
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.8 28.2
 265 22.7 17.4 26.0

