

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143756.D
 Acq On : 15 Sep 2025 17:29
 Operator : RC/JU
 Sample : Q3082-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-29

Quant Time: Sep 15 17:57:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

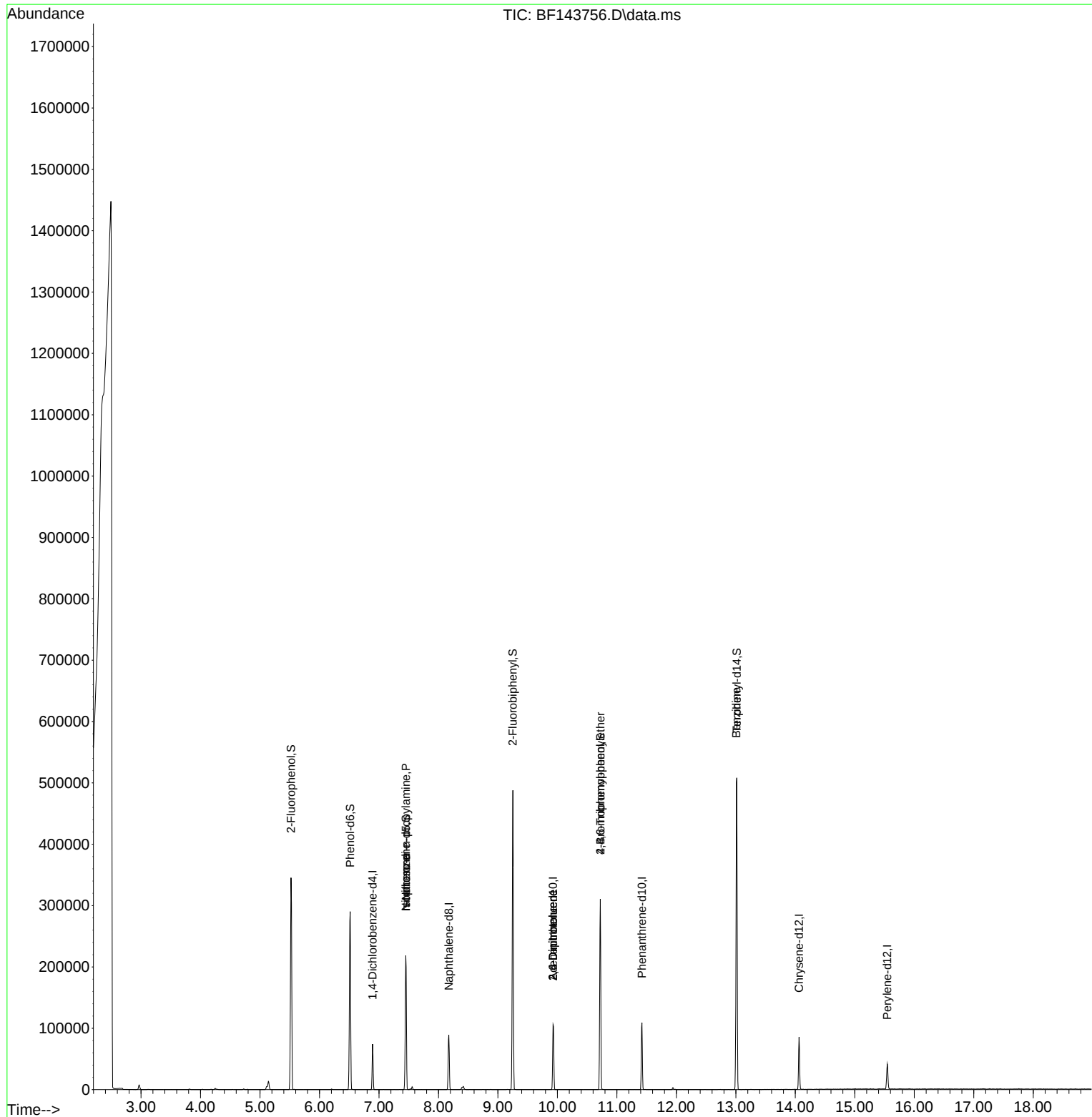
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	16850	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	60672	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	35568	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	59539	20.000	ng	0.01
76) Chrysene-d12	14.063	240	43497	20.000	ng	0.02
86) Perylene-d12	15.545	264	26340	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	143797	145.601	ng	0.02
7) Phenol-d6	6.516	99	158870	132.115	ng	0.01
23) Nitrobenzene-d5	7.451	82	105614	108.275	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	60003	167.398	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	236287	100.354	ng	0.00
79) Terphenyl-d14	13.016	244	275814	102.757	ng	0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	13164	17.824	ng	# 76
25) Isophorone	7.451	82	105457	56.382	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	4275	9.662	ng	# 27
57) 2,4-Dinitrotoluene	9.928	165	4275	7.099	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	3818	5.318	ng	# 1
77) Benzidine	13.010	184	3007	2.120	ng	# 90

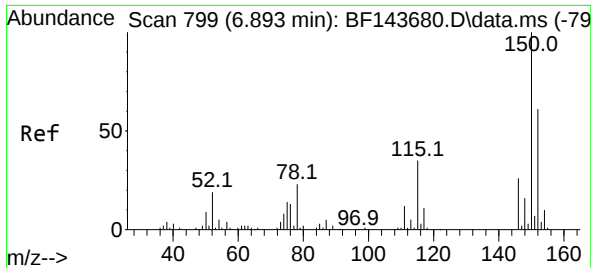
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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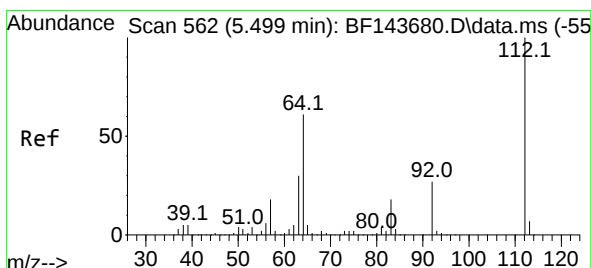
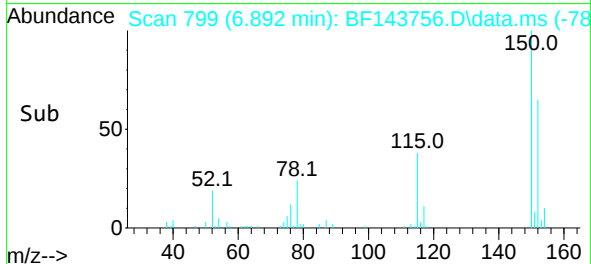
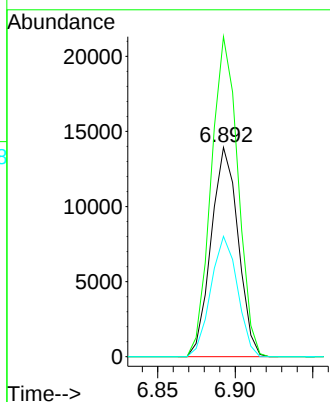
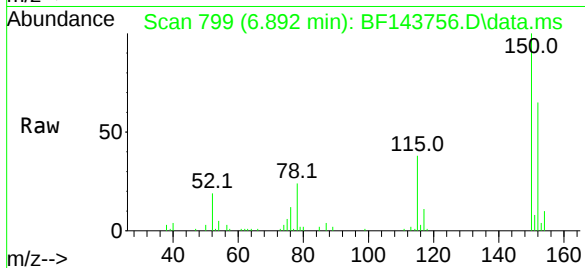




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

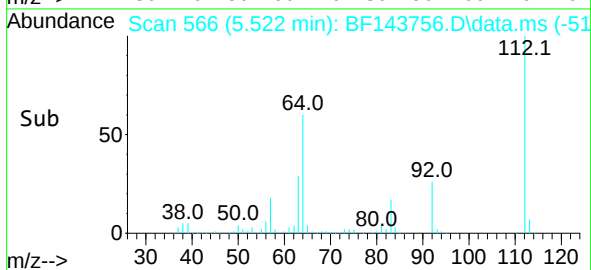
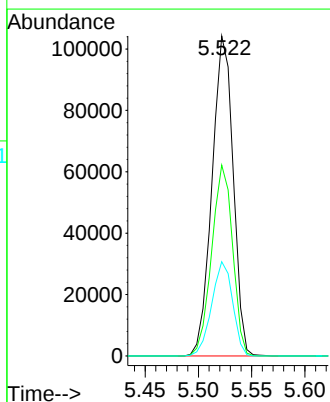
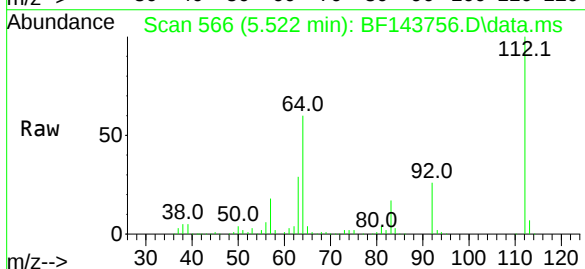
Instrument :
BNA_F
ClientSampleId :
WC-29

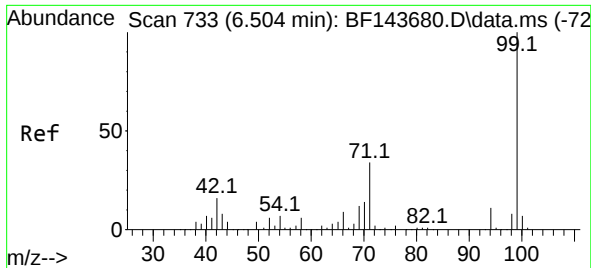
Tgt Ion:152 Resp: 16850
Ion Ratio Lower Upper
152 100
150 152.9 130.7 196.1
115 57.5 45.9 68.9



#5
2-Fluorophenol
Concen: 145.601 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.023 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

Tgt Ion:112 Resp: 143797
Ion Ratio Lower Upper
112 100
64 59.6 49.0 73.4
63 29.5 24.3 36.5

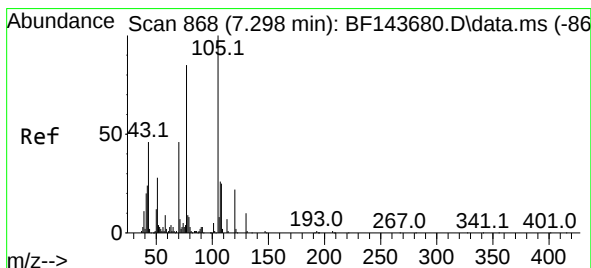
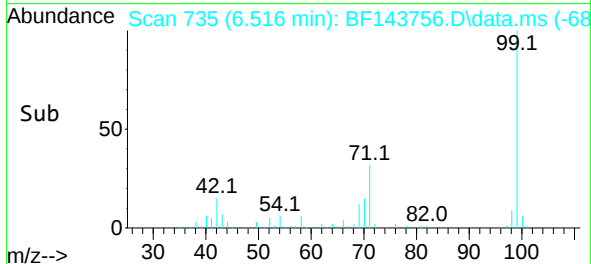
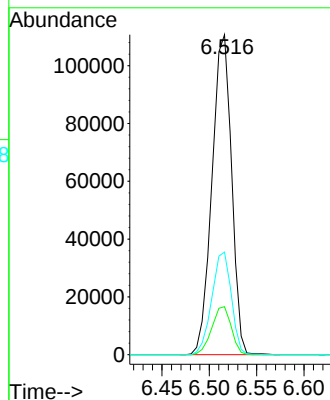
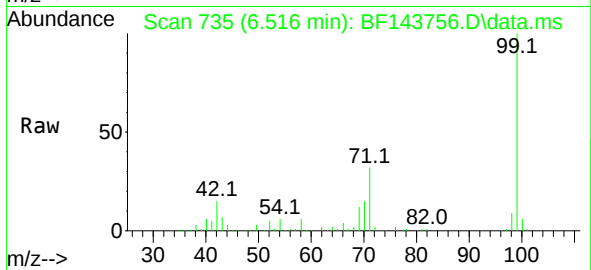




#7
Phenol-d6
Concen: 132.115 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

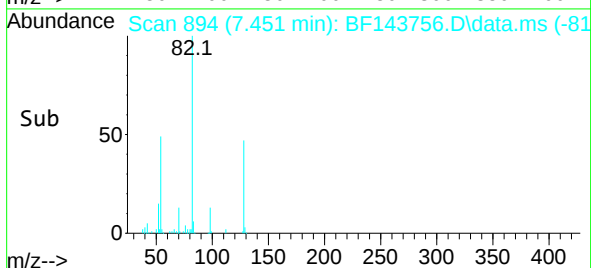
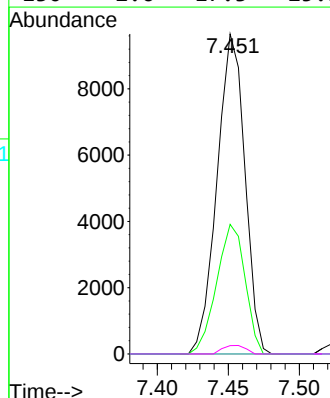
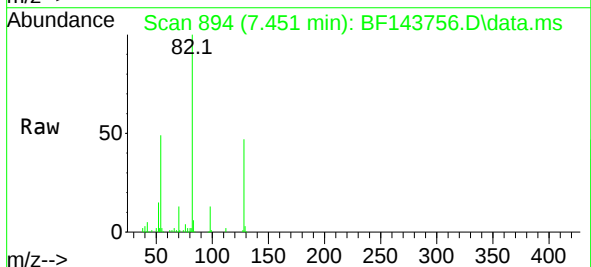
Instrument :
BNA_F
ClientSampleId :
WC-29

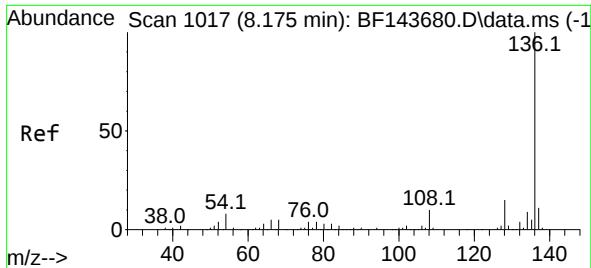
Tgt Ion: 99 Resp: 158870
Ion Ratio Lower Upper
99 100
42 15.0 13.0 19.4
71 32.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.824 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

Tgt Ion: 70 Resp: 13164
Ion Ratio Lower Upper
70 100
42 40.5 41.4 62.2#
101 0.0 8.1 12.1#
130 2.6 17.3 25.9#

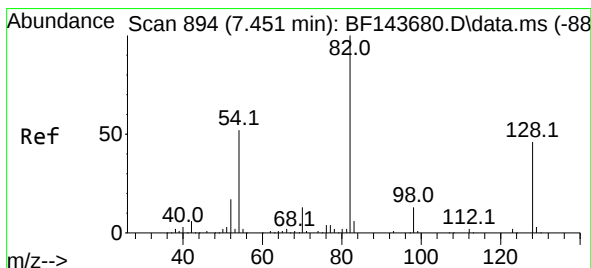
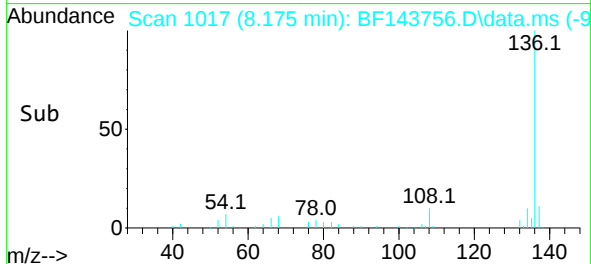
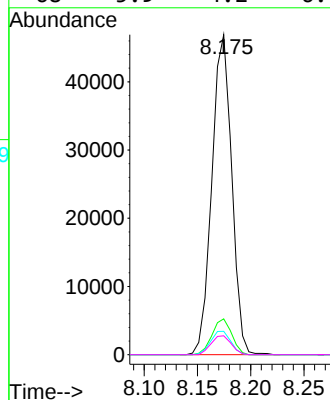
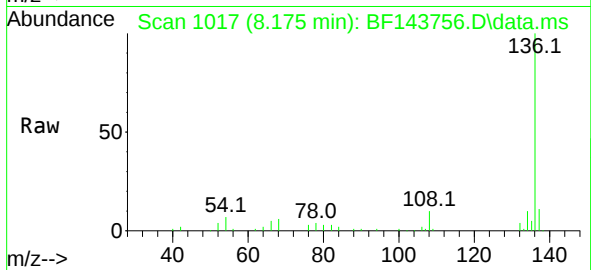




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

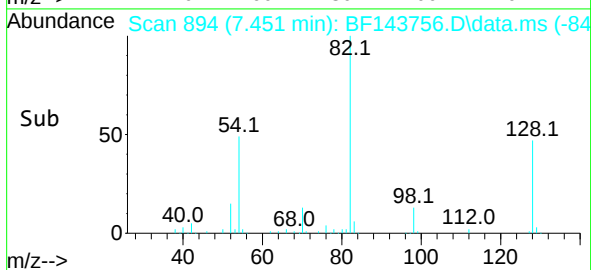
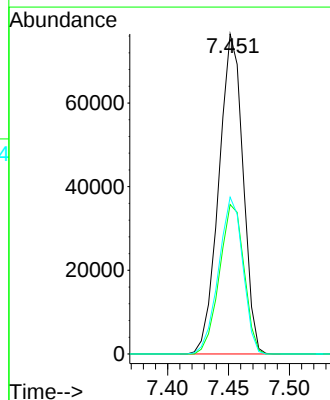
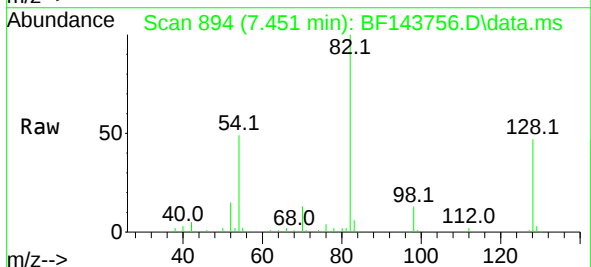
Instrument :
BNA_F
ClientSampleId :
WC-29

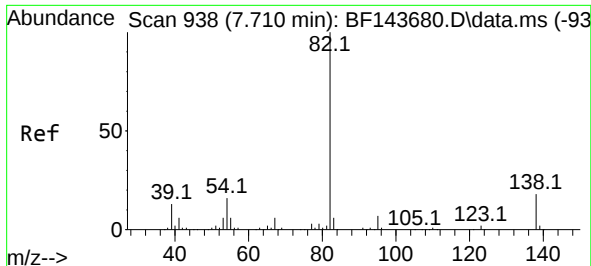
Tgt Ion:	136	Resp:	60672
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.3	6.2	9.2
68	5.9	4.2	6.4



#23
Nitrobenzene-d5
Concen: 108.275 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

Tgt Ion:	82	Resp:	105614
Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.0	55.4
54	49.0	41.8	62.8

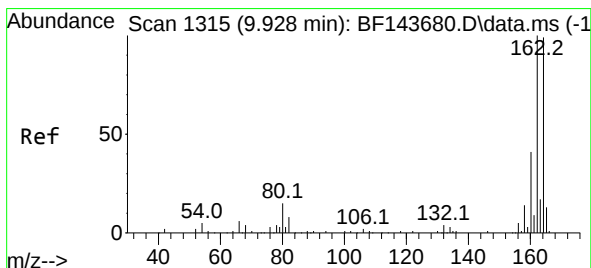
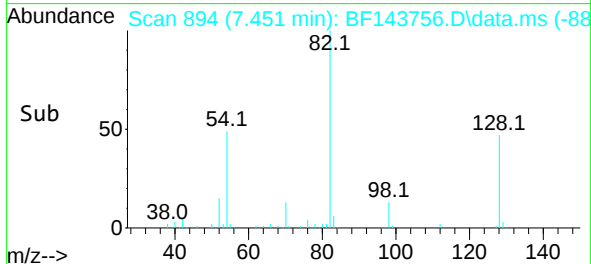
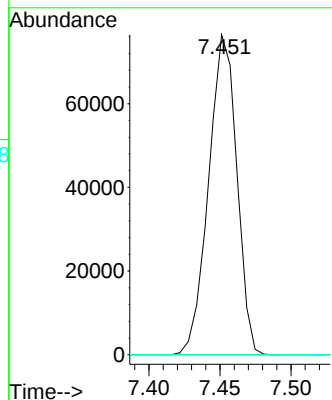
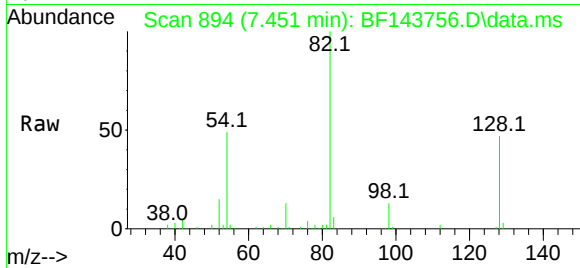




#25
Isophorone
Concen: 56.382 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

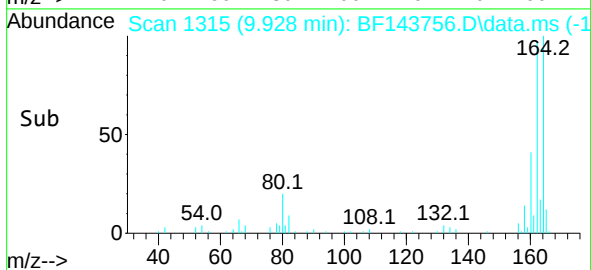
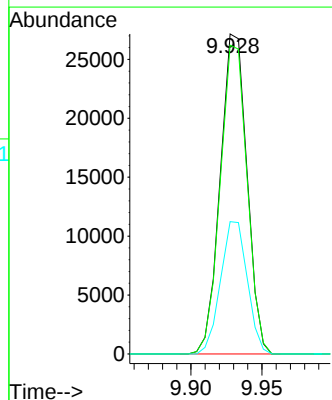
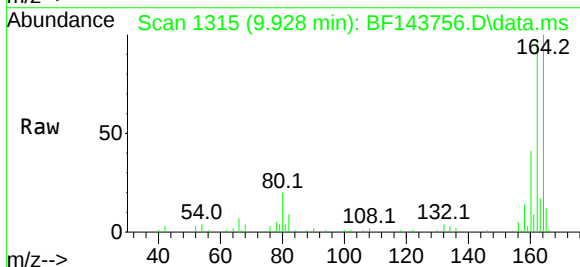
Instrument :
BNA_F
ClientSampleId :
WC-29

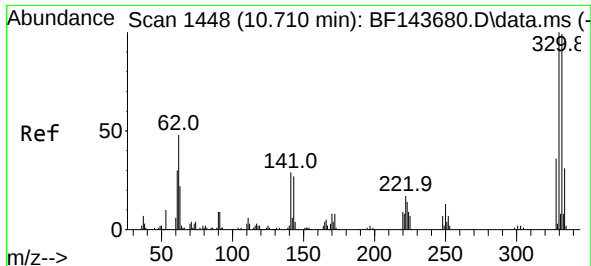
Tgt Ion: 82 Resp: 105457
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

Tgt Ion: 164 Resp: 35568
Ion Ratio Lower Upper
164 100
162 96.5 80.6 121.0
160 41.3 33.0 49.4





#42

2,4,6-Tribromophenol

Concen: 167.398 ng

RT: 10.722 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF143756.D

Acq: 15 Sep 2025 17:29

Instrument :

BNA_F

ClientSampleId :

WC-29

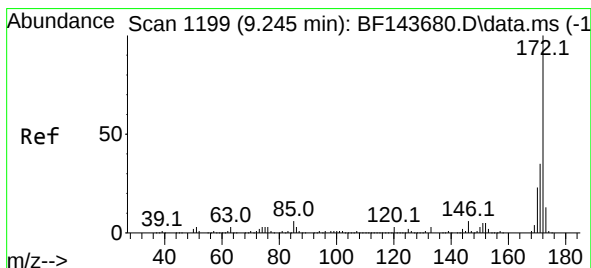
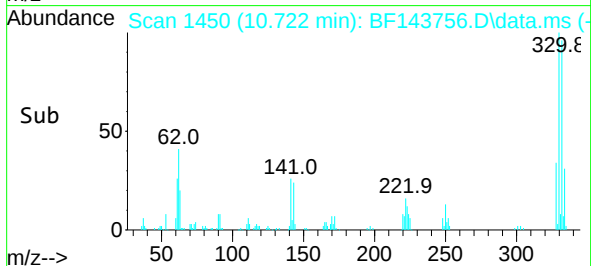
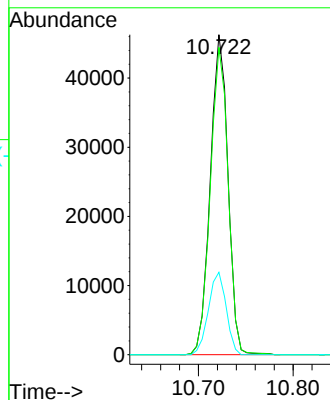
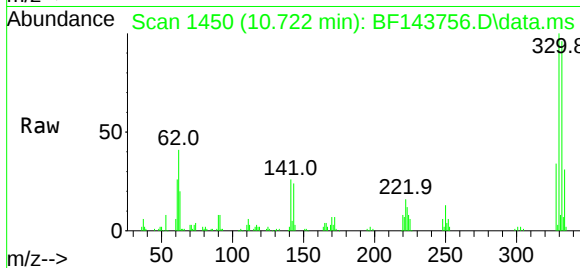
Tgt Ion:330 Resp: 60003

Ion Ratio Lower Upper

330 100

332 97.0 79.2 118.8

141 25.8 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 100.354 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143756.D

Acq: 15 Sep 2025 17:29

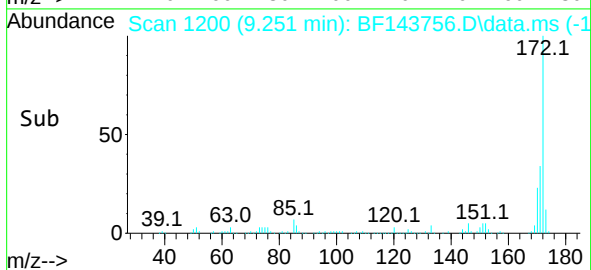
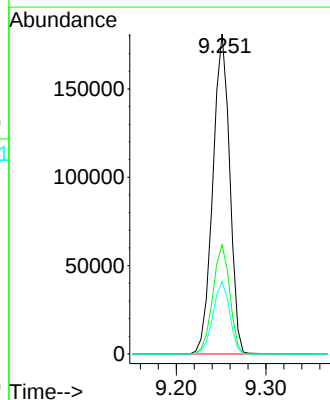
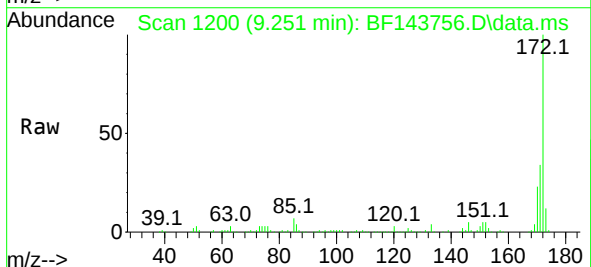
Tgt Ion:172 Resp: 236287

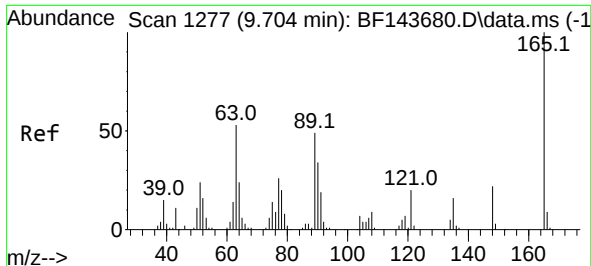
Ion Ratio Lower Upper

172 100

171 34.1 27.9 41.9

170 22.6 18.6 27.8

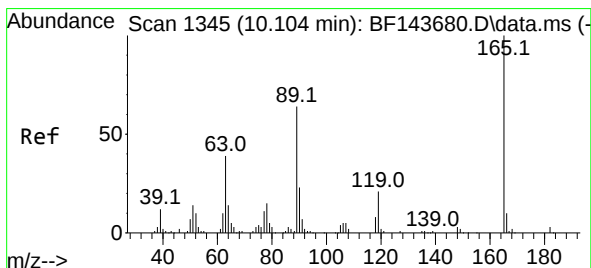
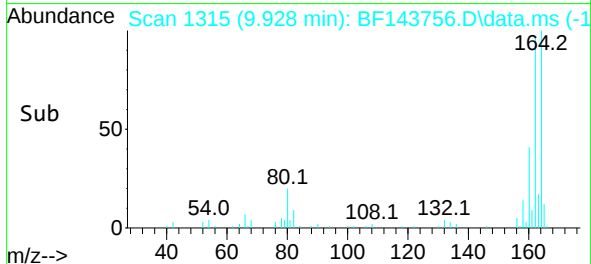
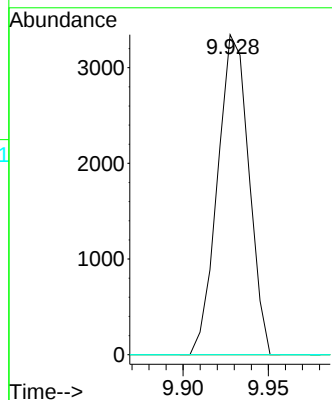
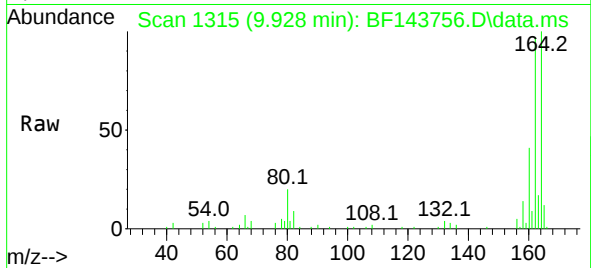




#51
2,6-Dinitrotoluene
Concen: 9.662 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

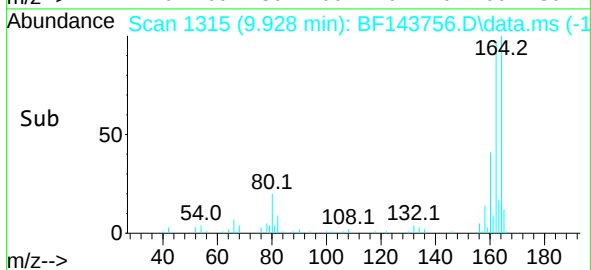
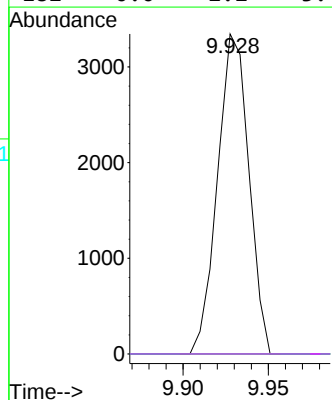
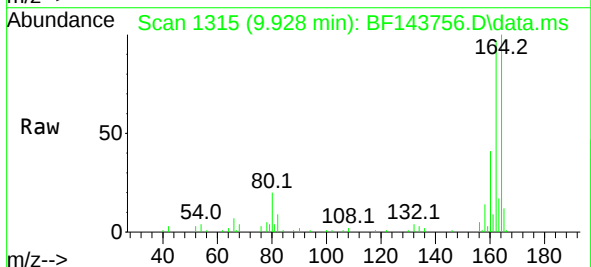
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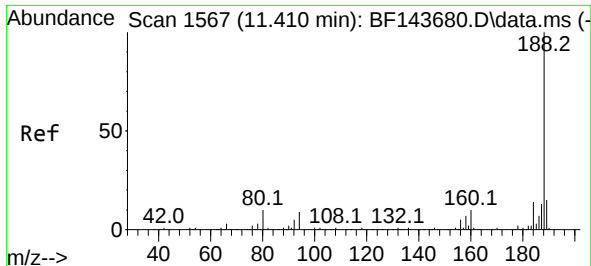
Tgt Ion:165 Resp: 4275
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 0.0 39.3 58.9#



#57
2,4-Dinitrotoluene
Concen: 7.099 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.177 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

Tgt Ion:165 Resp: 4275
Ion Ratio Lower Upper
165 100
63 0.0 31.5 47.3#
89 0.0 51.3 76.9#
182 0.0 2.2 3.4#

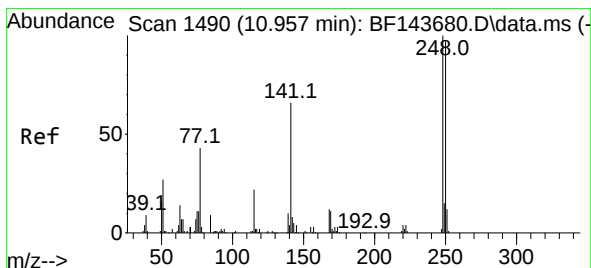
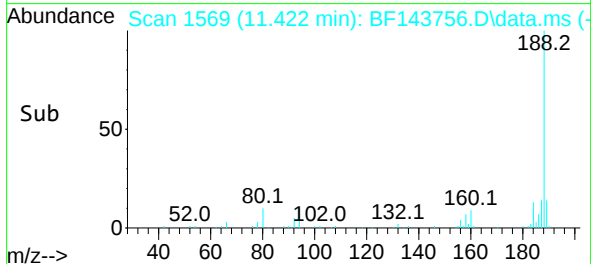
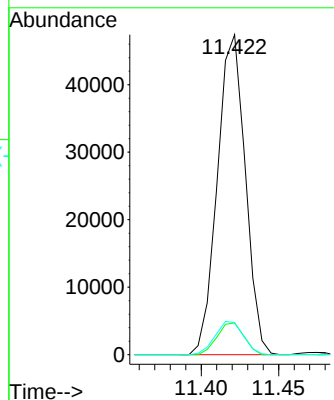
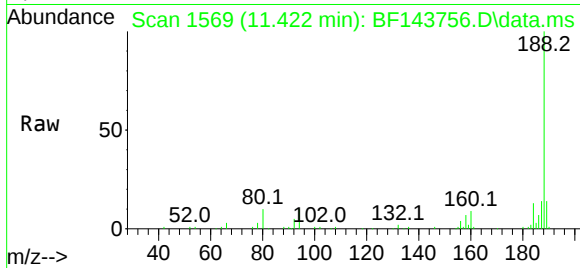




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

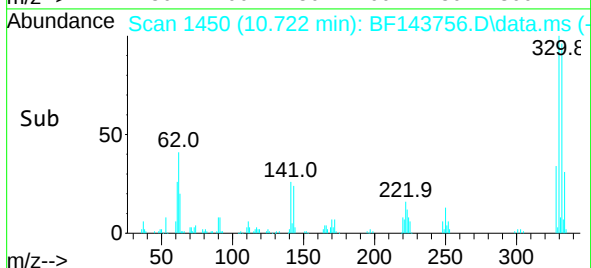
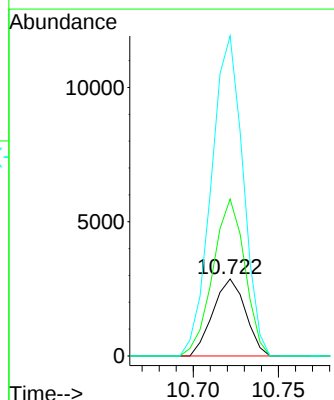
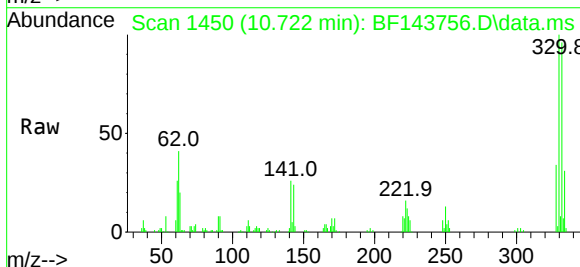
Instrument :
BNA_F
ClientSampleId :
WC-29

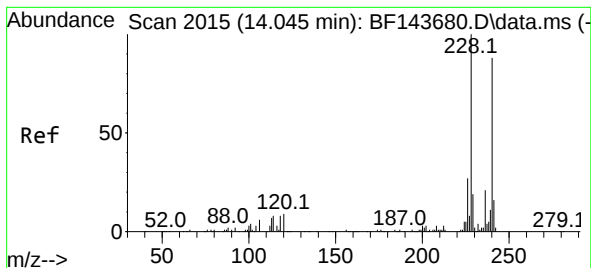
Tgt Ion:188 Resp: 59539
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.0
80 10.0 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 5.318 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.235 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

Tgt Ion:248 Resp: 3818
Ion Ratio Lower Upper
248 100
250 203.7 77.5 116.3#
141 415.4 52.6 79.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF143756.D

Acq: 15 Sep 2025 17:29

Instrument :

BNA_F

ClientSampleId :

WC-29

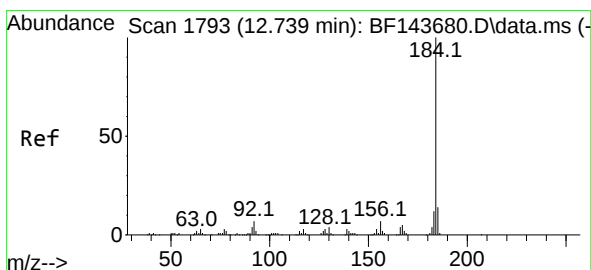
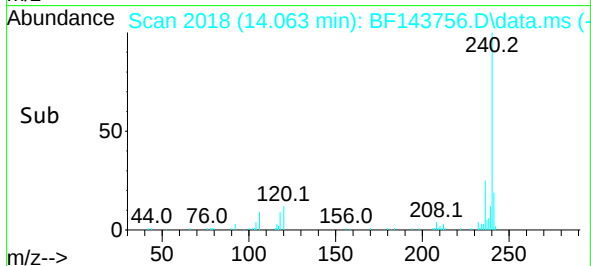
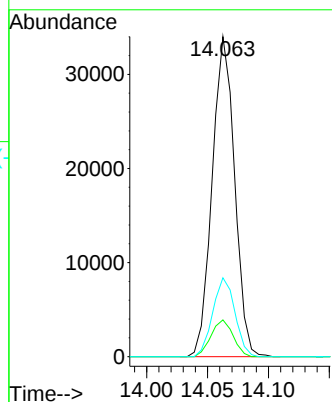
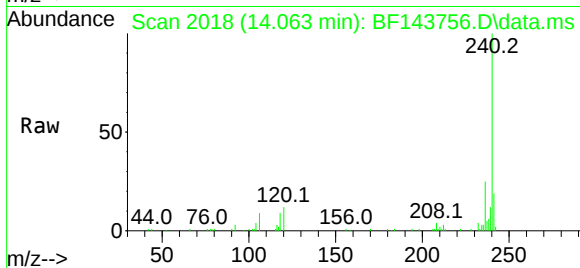
Tgt Ion:240 Resp: 43497

Ion Ratio Lower Upper

240 100

120 11.5 8.4 12.6

236 24.7 18.6 28.0



#77

Benzidine

Concen: 2.120 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.270 min

Lab File: BF143756.D

Acq: 15 Sep 2025 17:29

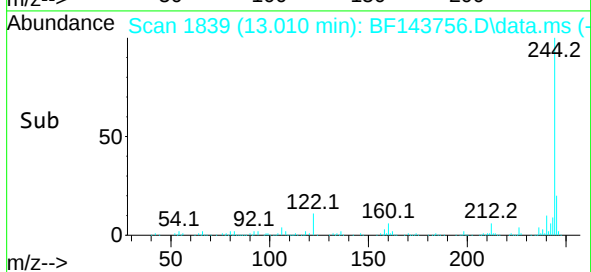
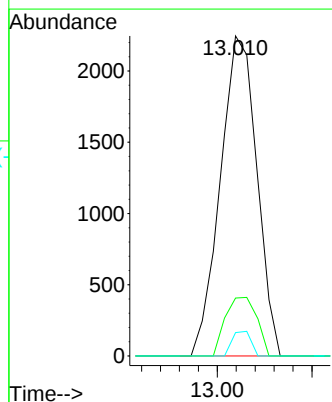
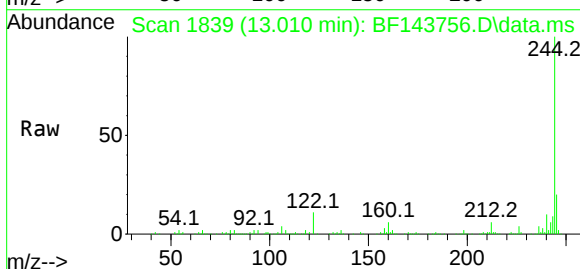
Tgt Ion:184 Resp: 3007

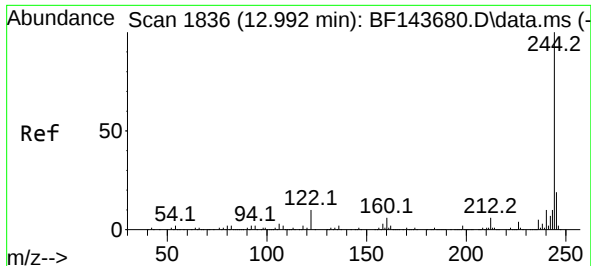
Ion Ratio Lower Upper

184 100

185 18.1 11.5 17.3#

183 7.3 9.4 14.2#

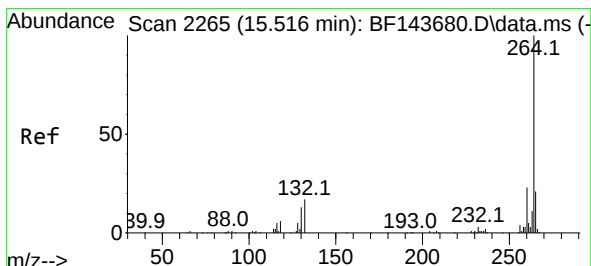
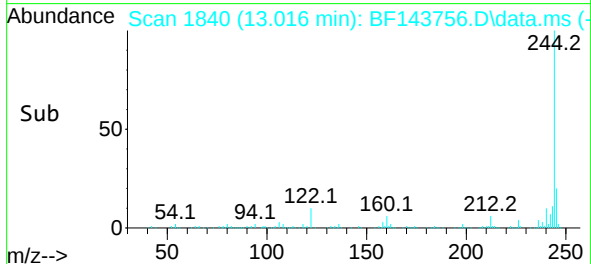
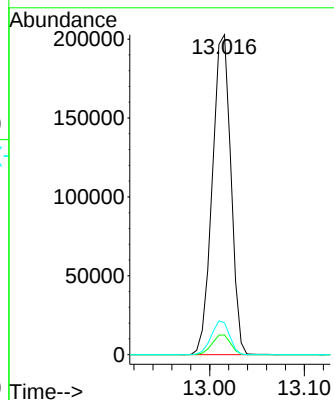
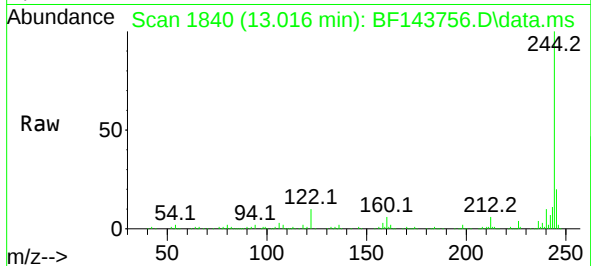




#79
Terphenyl-d14
Concen: 102.757 ng
RT: 13.016 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

Instrument :
BNA_F
ClientSampleId :
WC-29

Tgt Ion:244 Resp: 275814
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.6
122 9.9 7.9 11.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.029 min
Lab File: BF143756.D
Acq: 15 Sep 2025 17:29

Tgt Ion:264 Resp: 26340
Ion Ratio Lower Upper
264 100
260 22.6 18.4 27.6
265 21.7 17.1 25.7

