

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144215.D
 Acq On : 11 Nov 2025 21:28
 Operator : RC/JU
 Sample : Q3601-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Nov 12 03:46:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

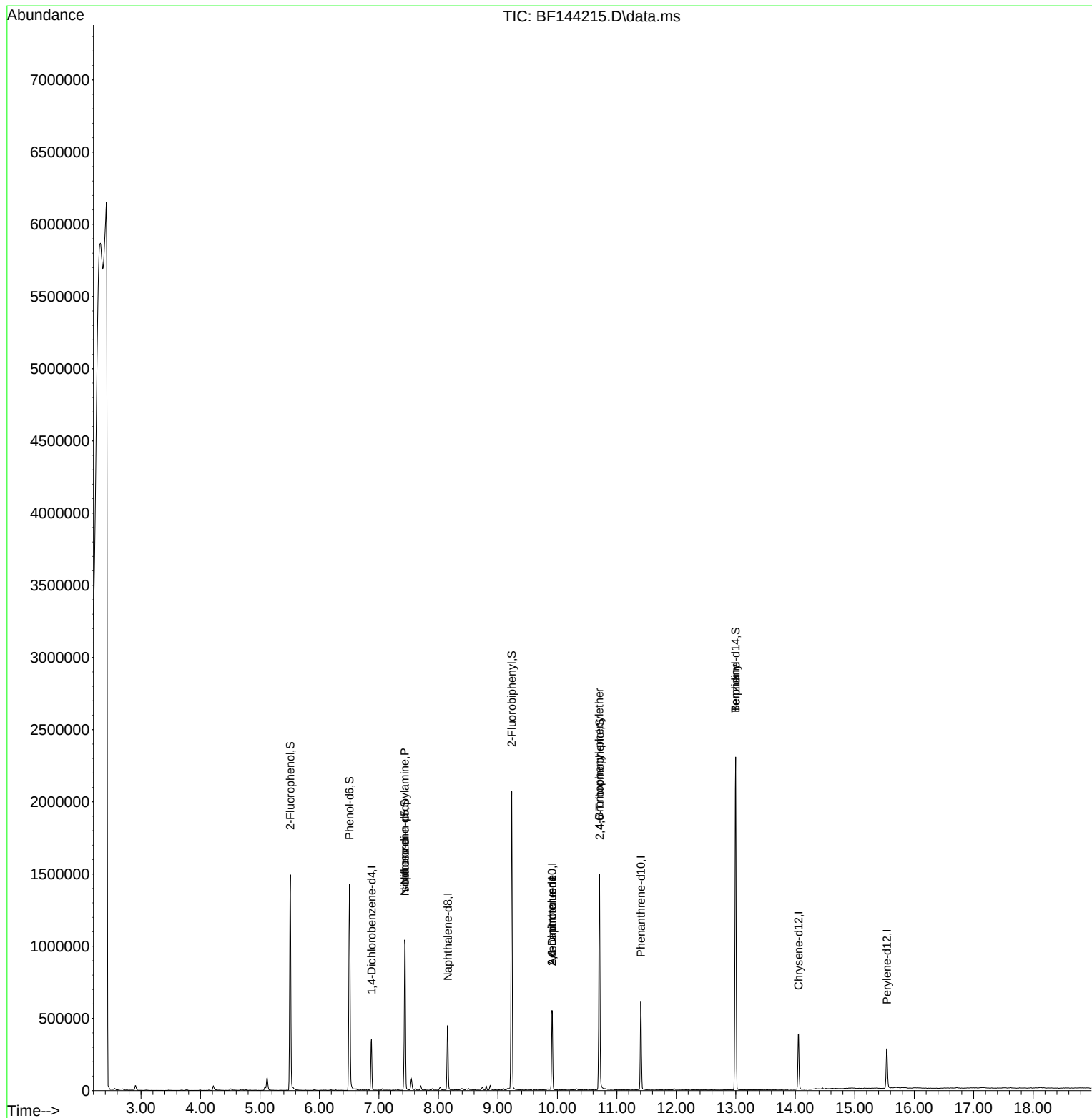
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74889	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	301291	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	171881	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	327849	20.000	ng	0.00
76) Chrysene-d12	14.057	240	212648	20.000	ng	0.00
86) Perylene-d12	15.539	264	196682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	575795	120.318	ng	0.02
7) Phenol-d6	6.504	99	631986	116.549	ng	0.00
23) Nitrobenzene-d5	7.434	82	462618	88.680	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	333889	154.800	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	996851	85.657	ng	0.00
79) Terphenyl-d14	12.998	244	1264254	94.435	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	69997	19.609	ng	# 79
25) Isophorone	7.434	82	462613	46.883	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	22053	9.567	ng	# 28
57) 2,4-Dinitrotoluene	9.910	165	22053	7.147	ng	# 29
67) 4-Bromophenyl-phenylether	10.704	248	17226	4.116	ng	# 1
77) Benzidine	12.998	184	14685	2.335	ng	# 93

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

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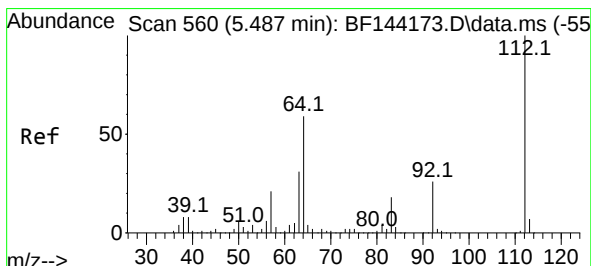
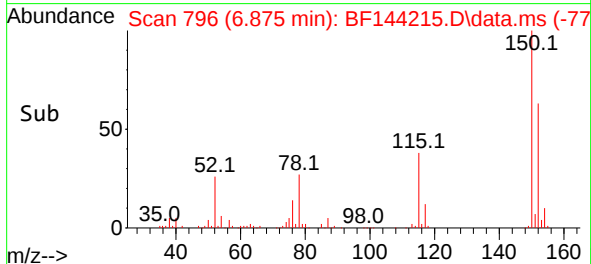
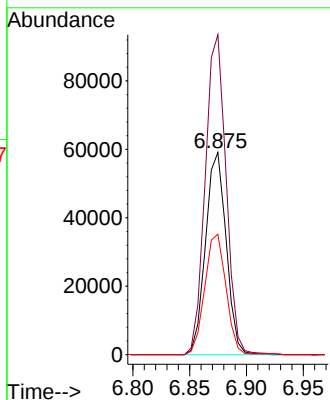
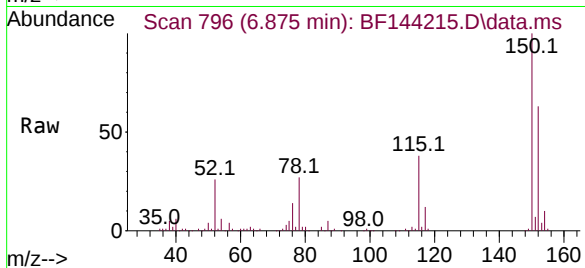




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

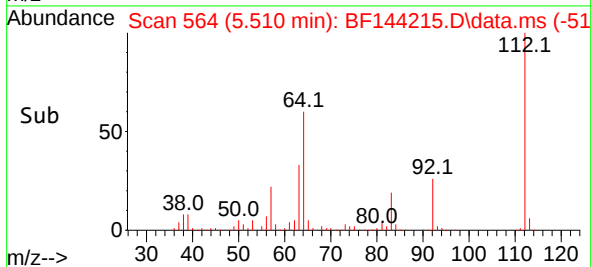
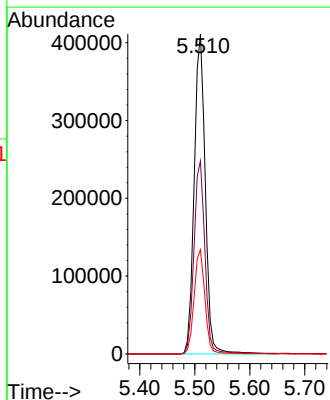
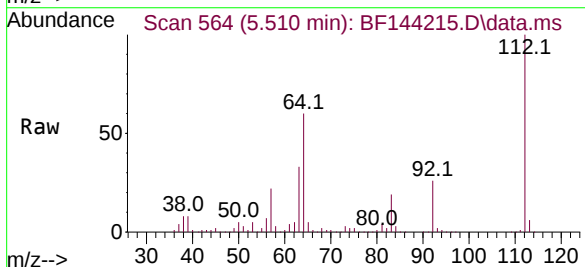
Instrument :
BNA_F
ClientSampleId :
TP-1

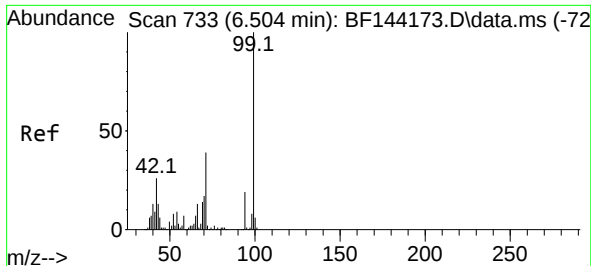
Tgt Ion:152 Resp: 74889
Ion Ratio Lower Upper
152 100
150 158.3 127.4 191.0
115 59.5 49.5 74.3



#5
2-Fluorophenol
Concen: 120.318 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

Tgt Ion:112 Resp: 575795
Ion Ratio Lower Upper
112 100
64 60.3 47.2 70.8
63 32.6 24.4 36.6

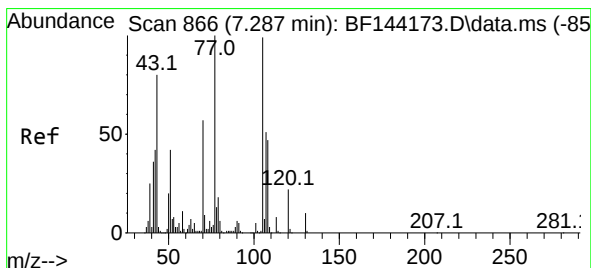
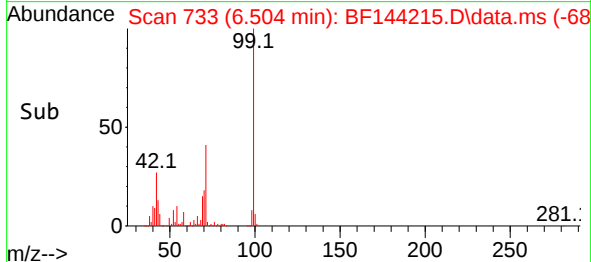
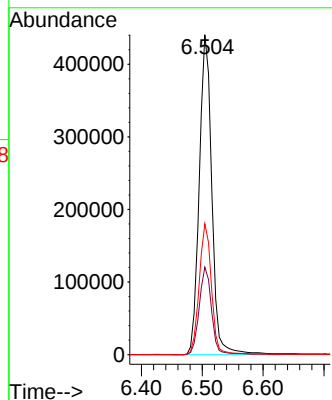
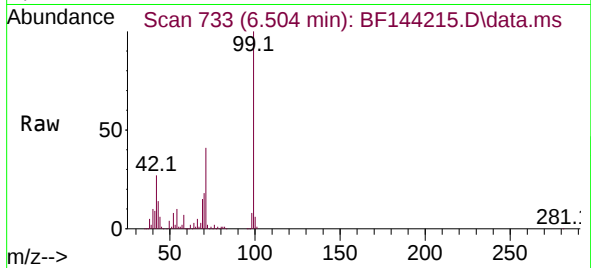




#7
Phenol-d6
Concen: 116.549 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

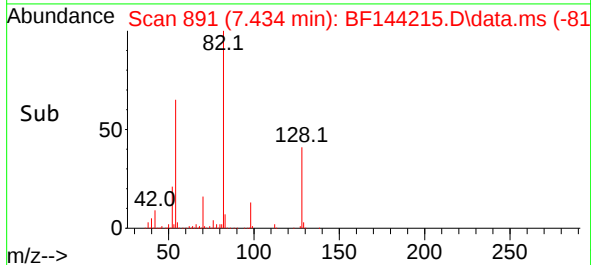
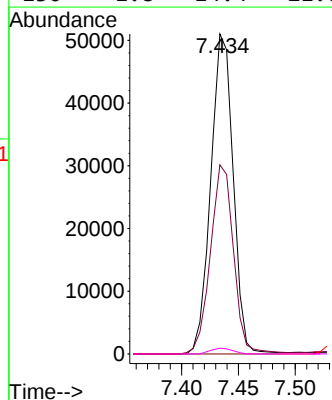
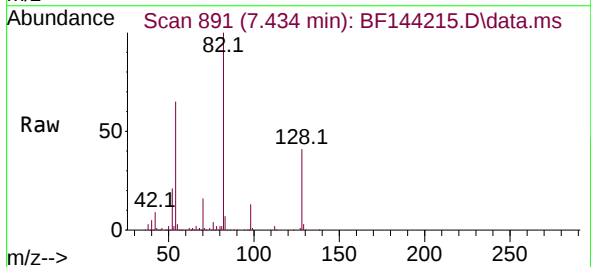
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 631986
Ion Ratio Lower Upper
99 100
42 27.3 20.9 31.3
71 40.9 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.609 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

Tgt Ion: 70 Resp: 69997
Ion Ratio Lower Upper
70 100
42 59.1 58.3 87.5
101 0.0 7.0 10.6#
130 1.8 14.4 21.6#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

Instrument :

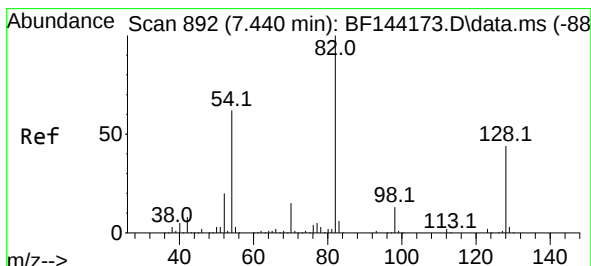
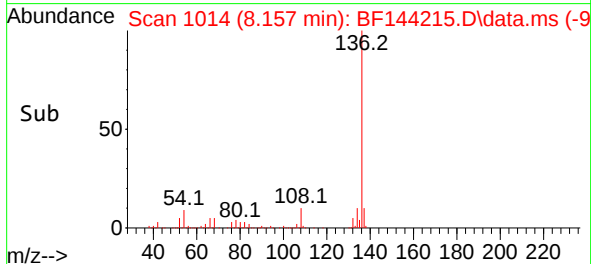
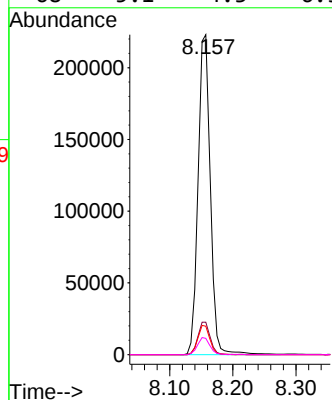
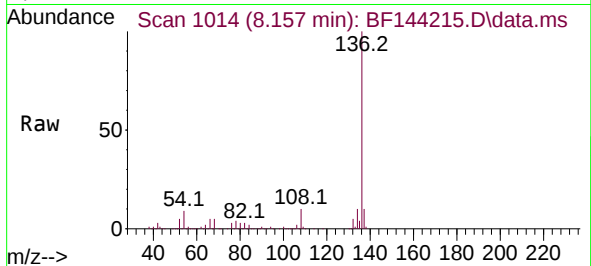
BNA_F

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 301291

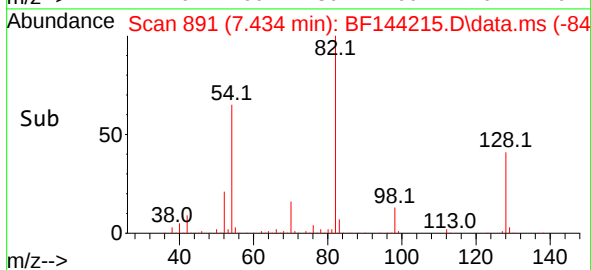
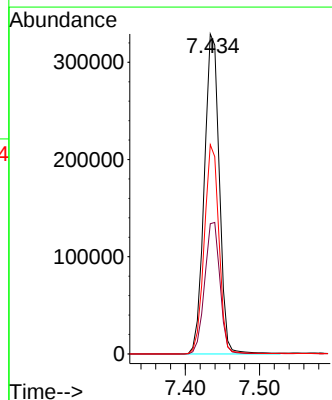
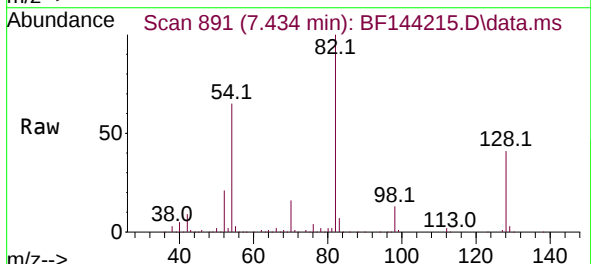
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.6	13.0
54	8.9	7.0	10.6
68	5.1	4.3	6.5

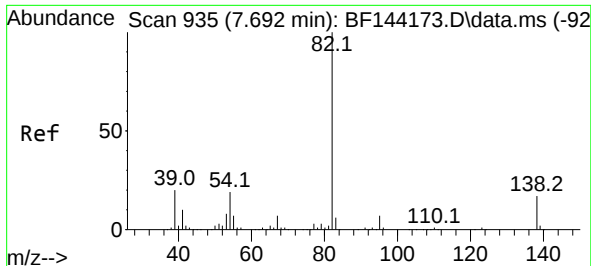


#23
Nitrobenzene-d5
Concen: 88.680 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

Tgt Ion: 82 Resp: 462618

Ion	Ratio	Lower	Upper
82	100		
128	40.7	34.7	52.1
54	65.4	49.5	74.3

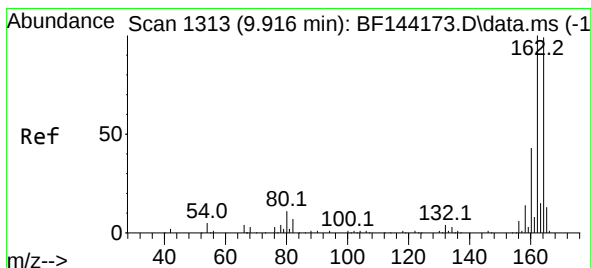
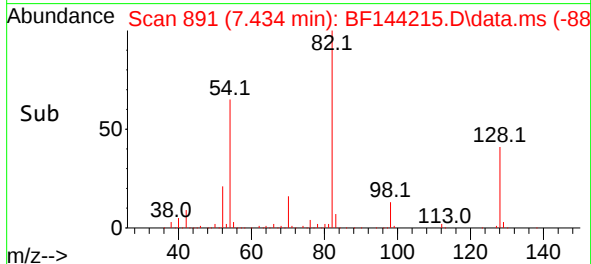
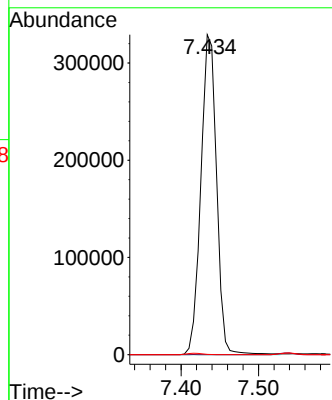
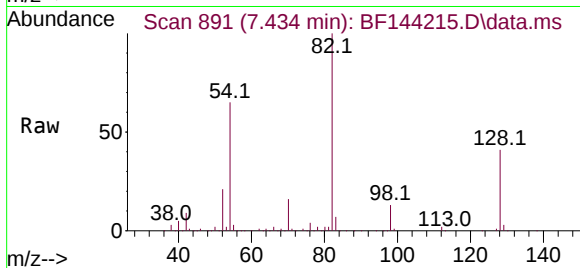




#25
Isophorone
Concen: 46.883 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.253 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

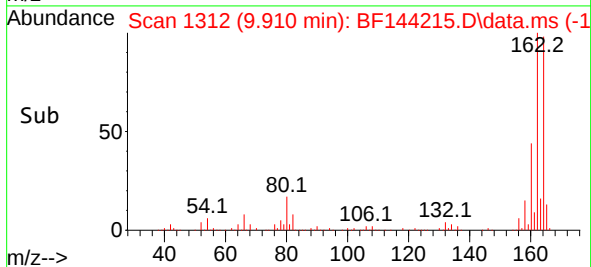
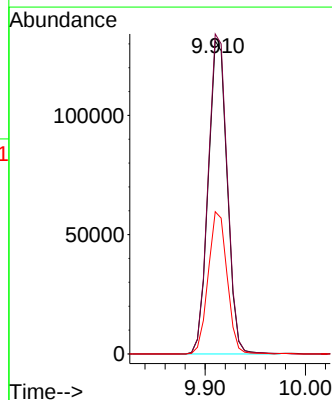
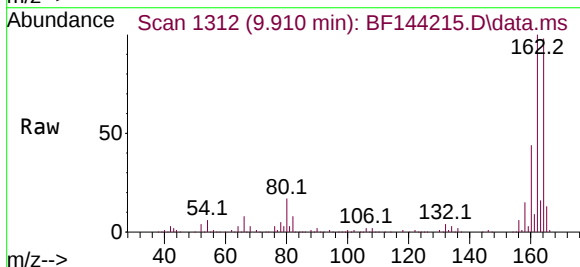
Instrument :
BNA_F
ClientSampleId :
TP-1

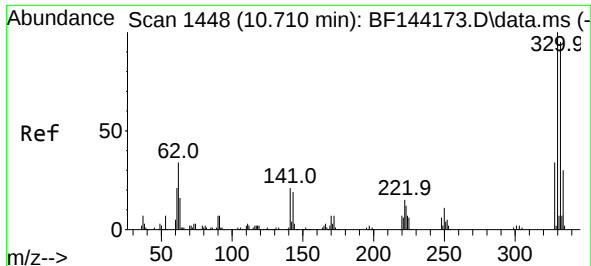
Tgt Ion: 82 Resp: 462613
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.1 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

Tgt Ion:164 Resp: 171881
Ion Ratio Lower Upper
164 100
162 102.3 81.1 121.7
160 45.5 34.5 51.7

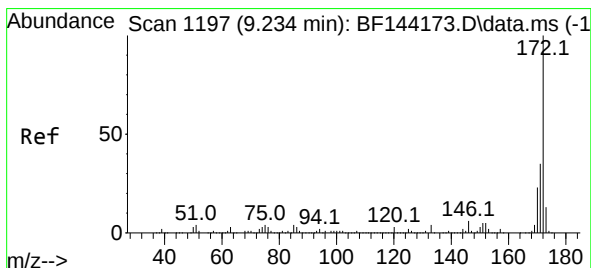
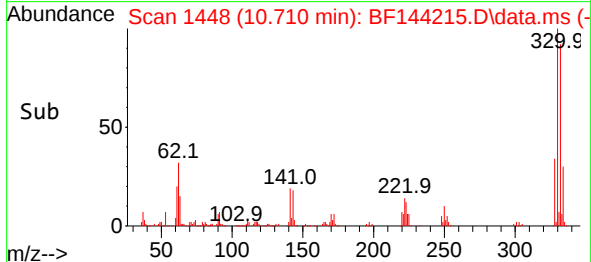
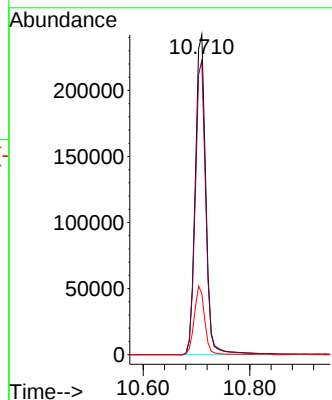
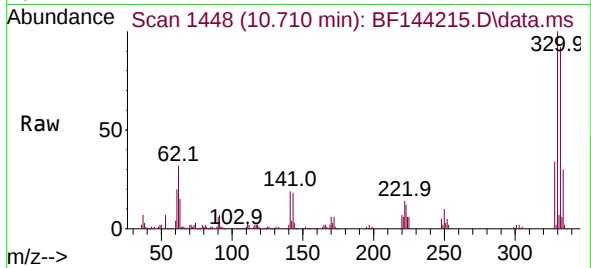




#42
2,4,6-Tribromophenol
Concen: 154.800 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

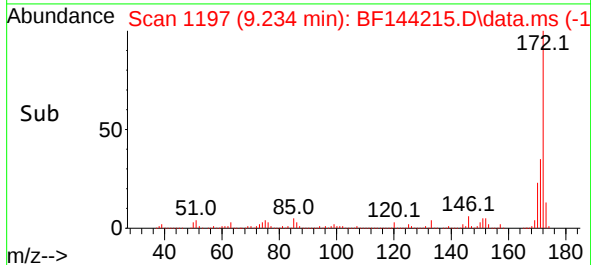
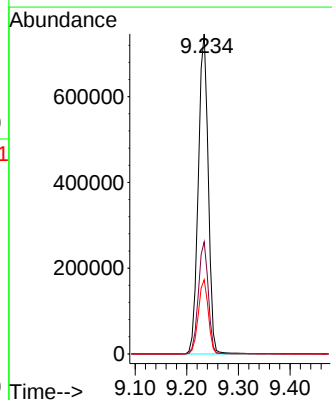
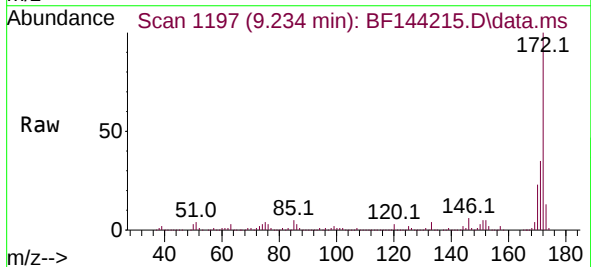
Instrument :
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ClientSampleId :
TP-1

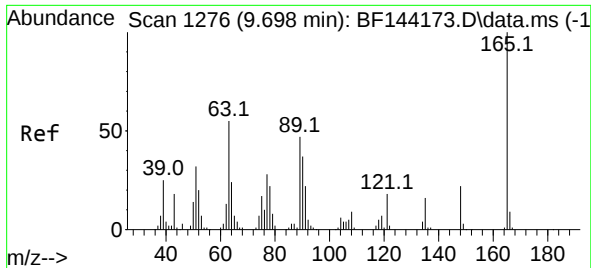
Tgt Ion: 330 Resp: 333889
Ion Ratio Lower Upper
330 100
332 91.7 76.7 115.1
141 21.1 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 85.657 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

Tgt Ion: 172 Resp: 996851
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.2 18.6 28.0

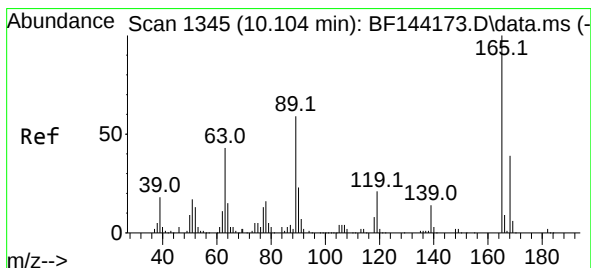
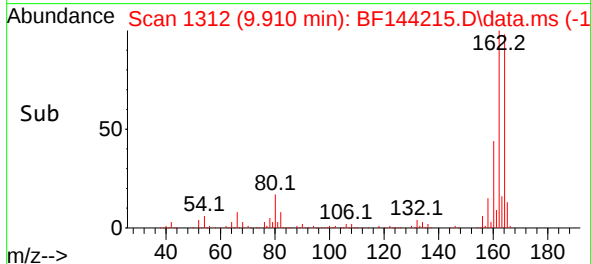
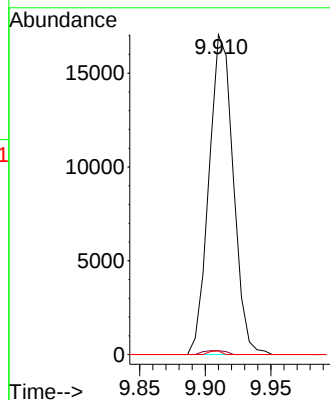
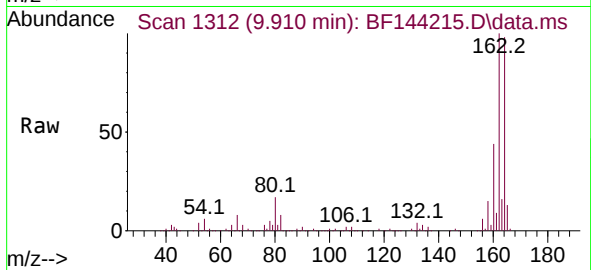




#51
2,6-Dinitrotoluene
Concen: 9.567 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.218 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

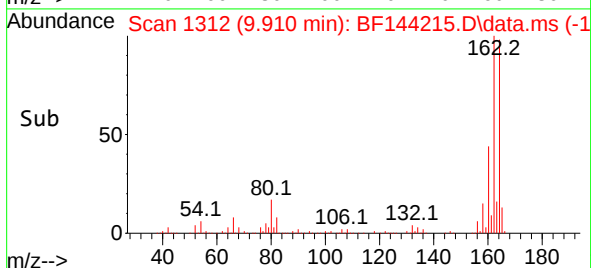
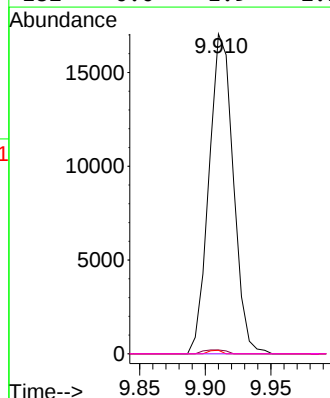
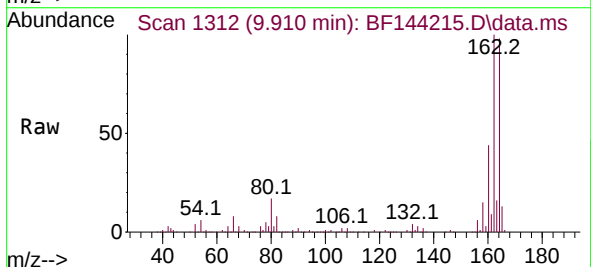
Instrument :
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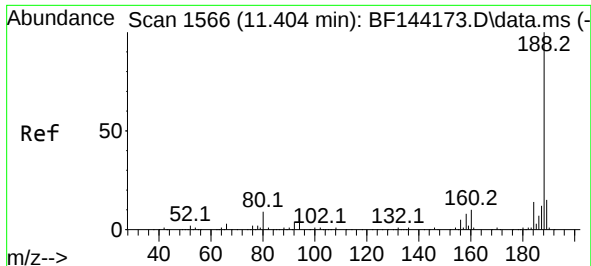
Tgt Ion:165 Resp: 22053
Ion Ratio Lower Upper
165 100
63 1.2 43.8 65.8#
89 1.1 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.147 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.188 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

Tgt Ion:165 Resp: 22053
Ion Ratio Lower Upper
165 100
63 1.2 35.5 53.3#
89 1.1 47.4 71.2#
182 0.0 1.9 2.9#

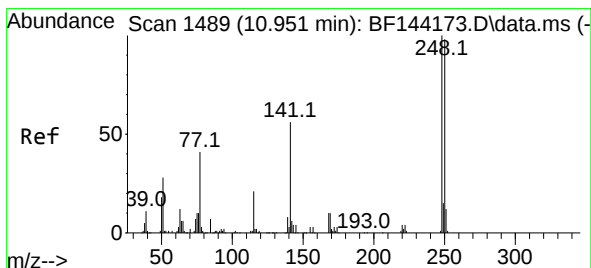
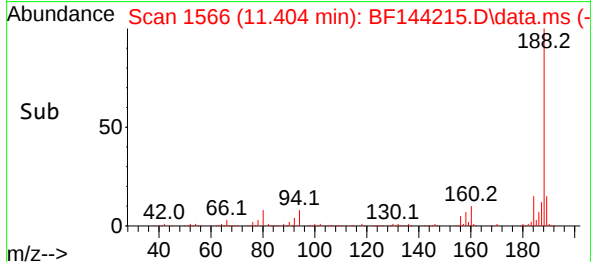
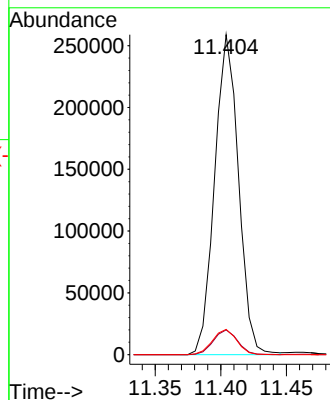
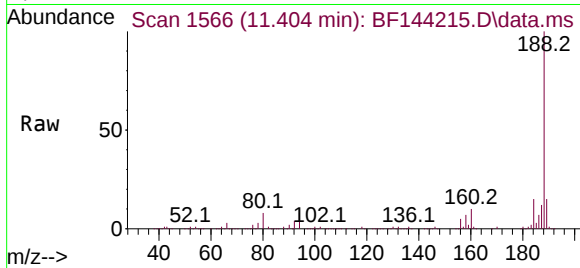




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

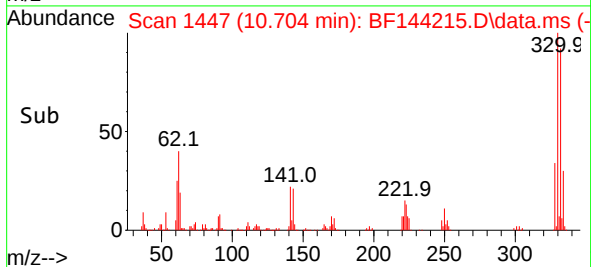
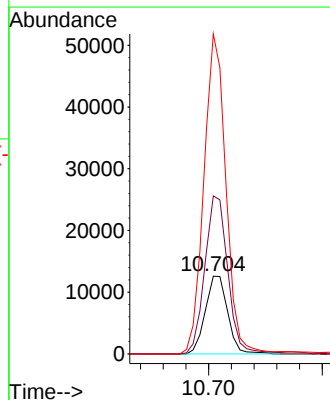
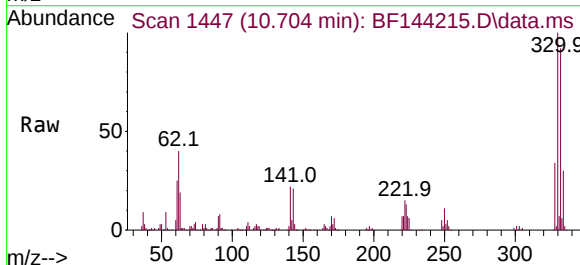
Instrument :
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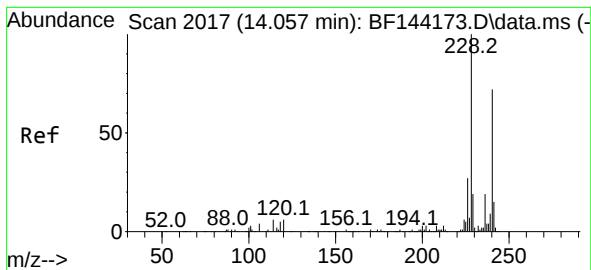
Tgt Ion:188 Resp: 327849
Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.2
80 7.9 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.116 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.241 min
Lab File: BF144215.D
Acq: 11 Nov 2025 21:28

Tgt Ion:248 Resp: 17226
Ion Ratio Lower Upper
248 100
250 203.5 78.4 117.6#
141 411.9 45.1 67.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF144215.D

Acq: 11 Nov 2025 21:28

Instrument :

BNA_F

ClientSampleId :

TP-1

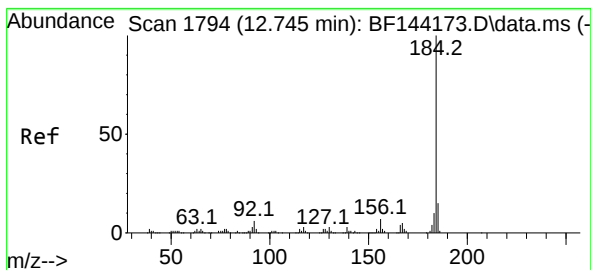
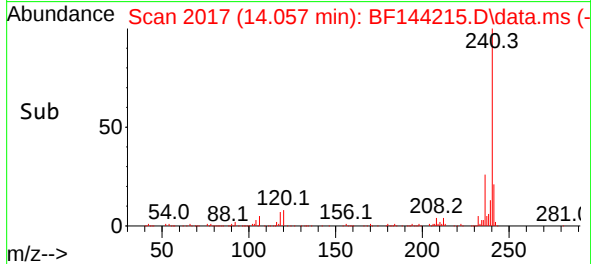
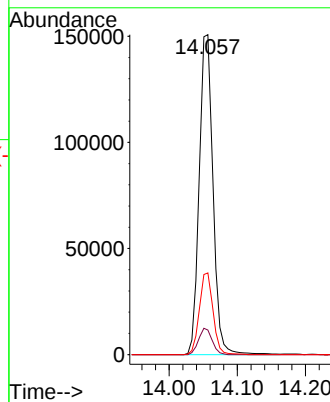
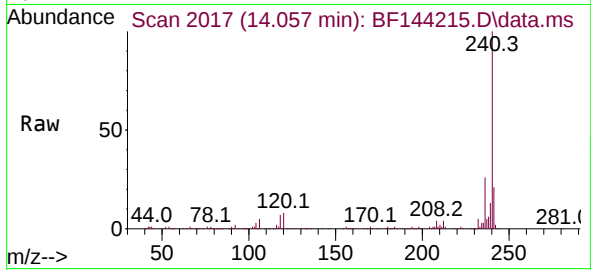
Tgt Ion:240 Resp: 212648

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

236 25.5 21.4 32.2



#77

Benzidine

Concen: 2.335 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.247 min

Lab File: BF144215.D

Acq: 11 Nov 2025 21:28

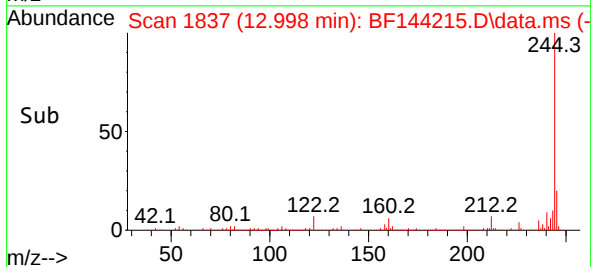
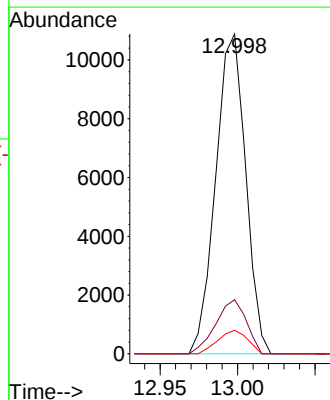
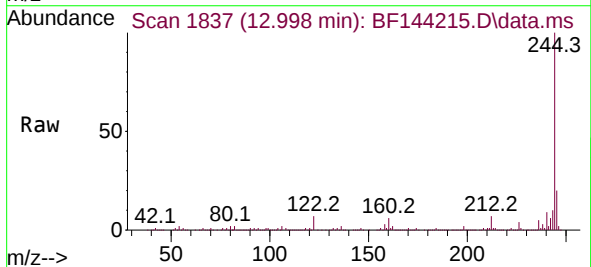
Tgt Ion:184 Resp: 14685

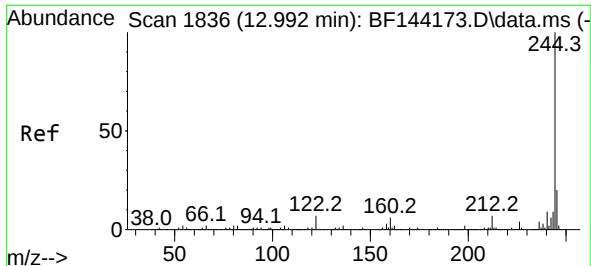
Ion Ratio Lower Upper

184 100

185 16.9 11.7 17.5

183 7.4 8.3 12.5#





#79

Terphenyl-d14

Concen: 94.435 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.006 min

Lab File: BF144215.D

Acq: 11 Nov 2025 21:28

Instrument :

BNA_F

ClientSampleId :

TP-1

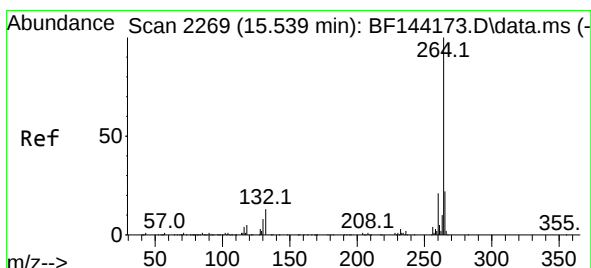
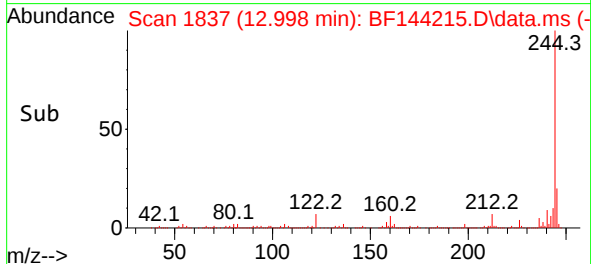
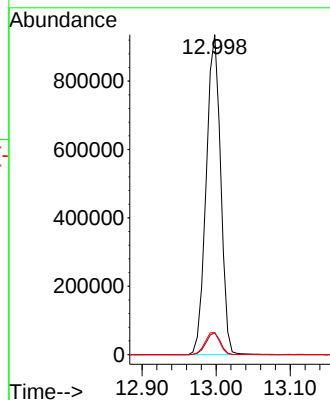
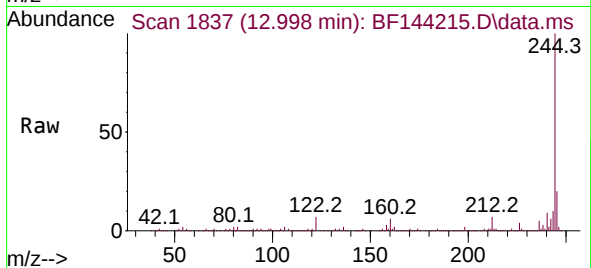
Tgt Ion:244 Resp: 1264254

Ion Ratio Lower Upper

244 100

212 6.8 5.3 7.9

122 6.9 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF144215.D

Acq: 11 Nov 2025 21:28

Tgt Ion:264 Resp: 196682

Ion Ratio Lower Upper

264 100

260 20.2 17.1 25.7

265 20.4 17.4 26.0

