

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144160.D
 Acq On : 31 Oct 2025 01:09
 Operator : RC/JU
 Sample : Q3490-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0151

Quant Time: Oct 31 01:33:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

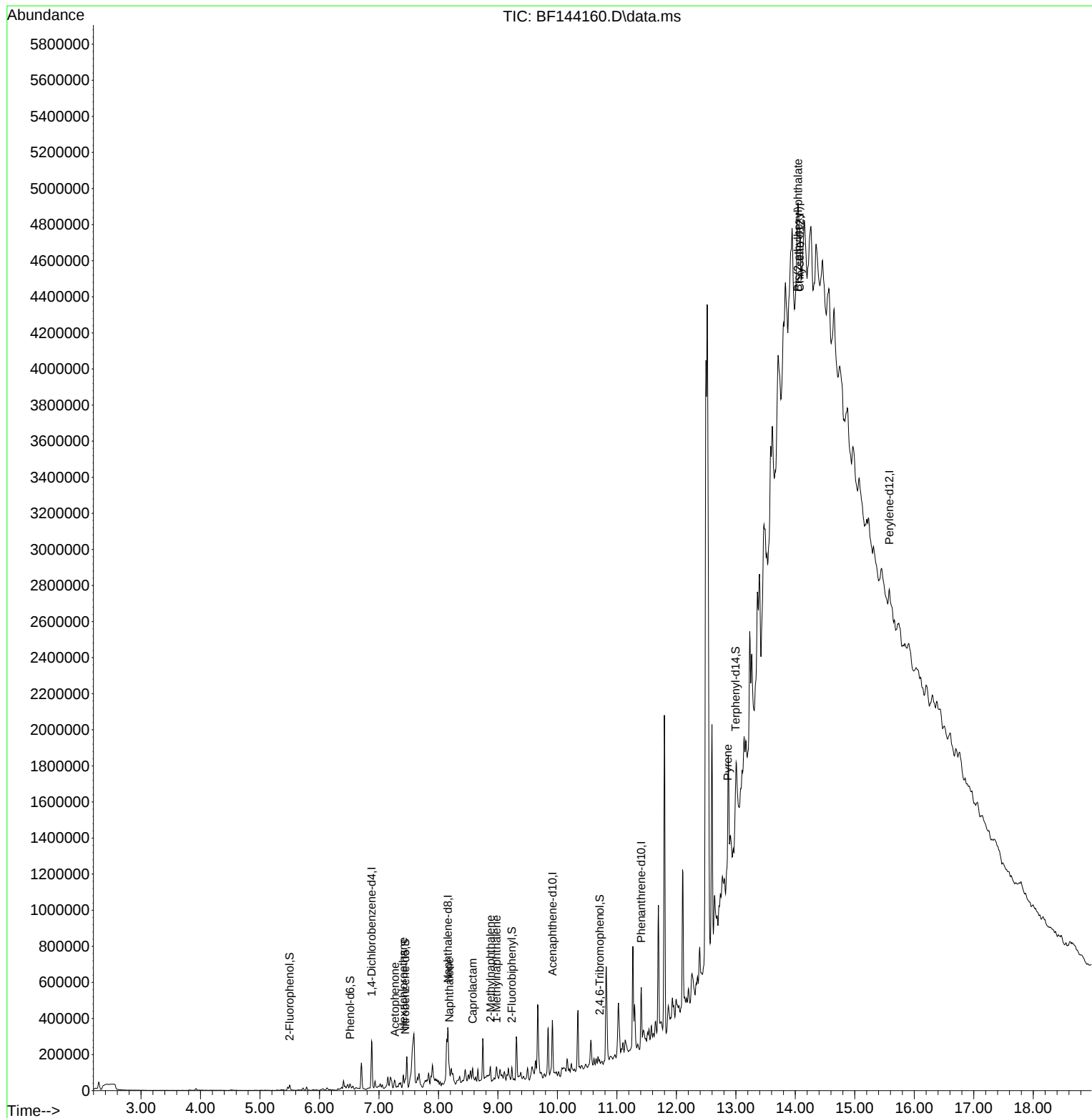
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	53238	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	182130	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	90000	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	170178	20.000	ng	0.00
76) Chrysene-d12	14.074	240	106483	20.000	ng	0.02
86) Perylene-d12	15.580	264	80120	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	13037	3.874	ng	0.00
7) Phenol-d6	6.516	99	17775	4.783	ng	0.01
23) Nitrobenzene-d5	7.440	82	11291	3.396	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	7144	6.232	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	31307	4.895	ng	0.00
79) Terphenyl-d14	12.998	244	35767	5.872	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.410	117	4100	2.847	ng	# 1
22) Acetophenone	7.269	105	7961	2.023	ng	# 43
31) Naphthalene	8.181	128	27451	3.193	ng	# 96
35) Caprolactam	8.575	113	2073	2.859	ng	# 1
37) 2-Methylnaphthalene	8.875	142	33133	5.846	ng	97
38) 1-Methylnaphthalene	8.975	142	16537	3.080	ng	98
78) Pyrene	12.863	202	16858	2.202	ng	# 86
84) Bis(2-ethylhexyl)phtha...	14.045	149	72782	18.408	ng	# 90

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

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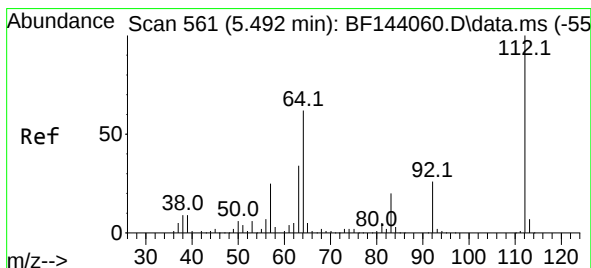
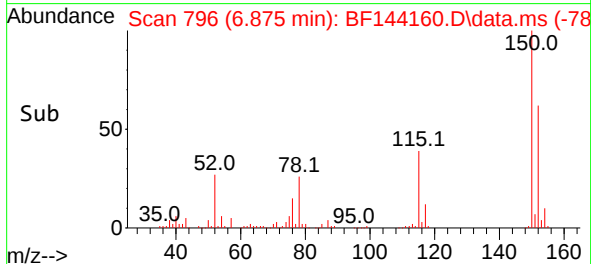
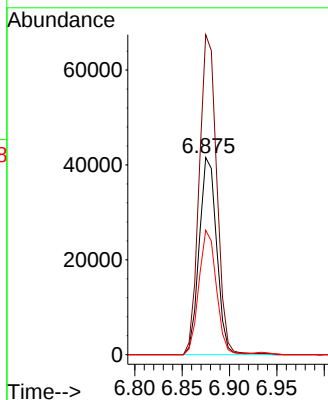
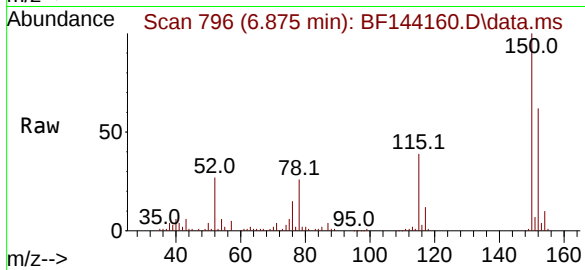




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

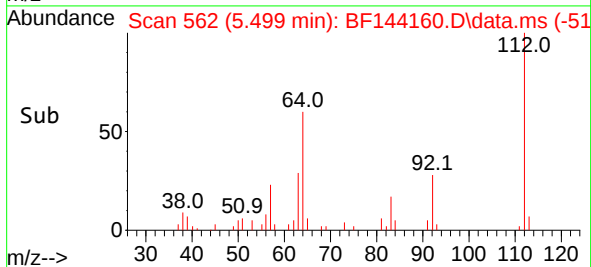
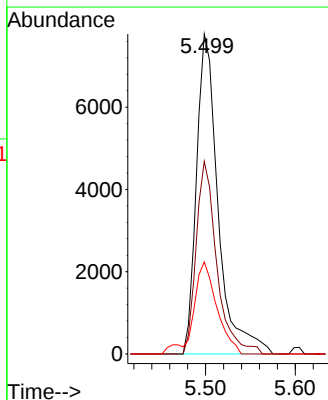
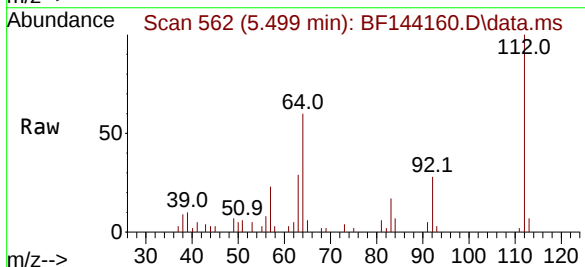
Instrument :
BNA_F
ClientSampleId :
LAW-25-0151

Tgt Ion:152 Resp: 53238
Ion Ratio Lower Upper
152 100
150 162.4 124.4 186.6
115 63.2 49.4 74.0



#5
2-Fluorophenol
Concen: 3.874 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

Tgt Ion:112 Resp: 13037
Ion Ratio Lower Upper
112 100
64 60.2 49.8 74.8
63 28.8 27.4 41.2

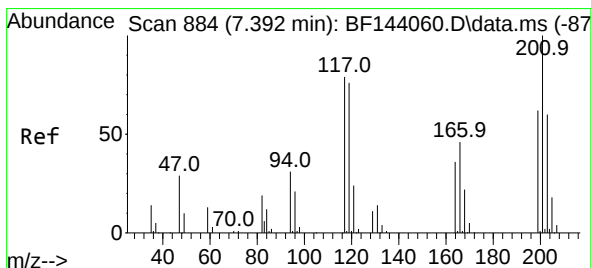
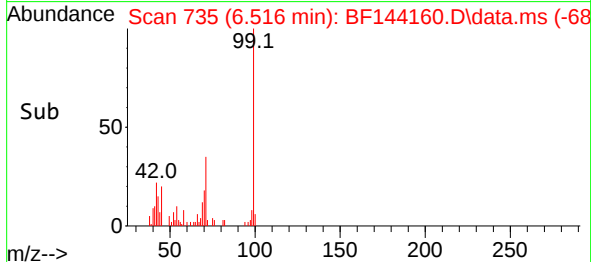
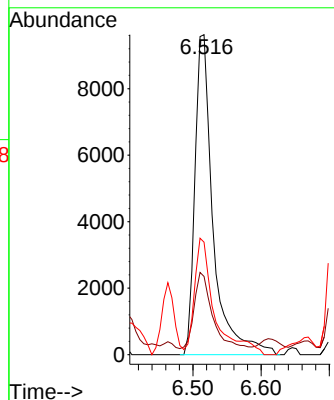
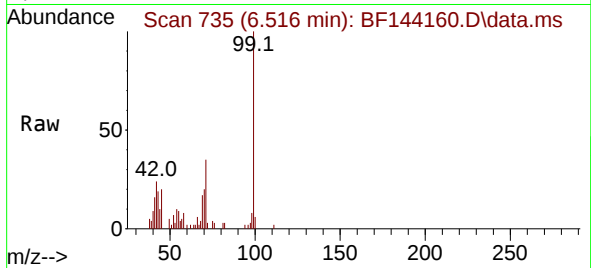




#7
Phenol-d6
Concen: 4.783 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

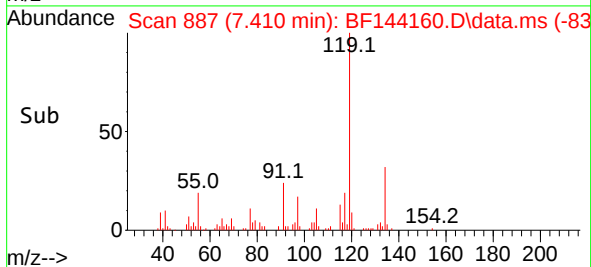
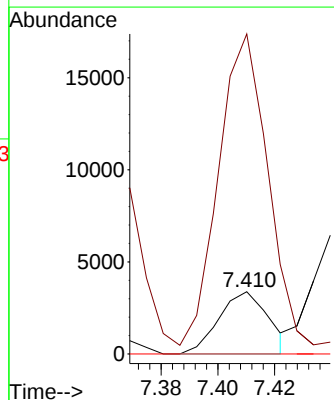
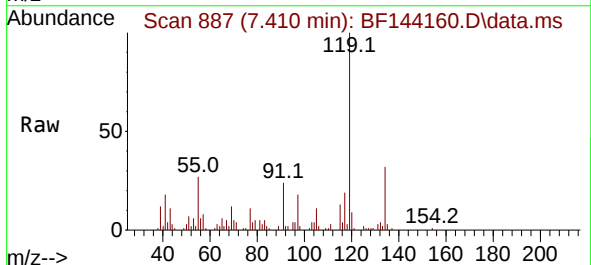
Instrument :
BNA_F
ClientSampleId :
LAW-25-0151

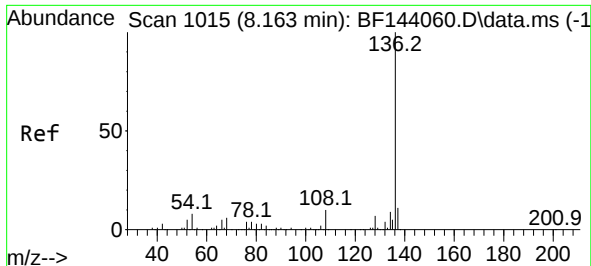
Tgt Ion: 99 Resp: 17775
Ion Ratio Lower Upper
99 100
42 24.4 23.9 35.9
71 35.2 34.4 51.6



#18
Hexachloroethane
Concen: 2.847 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.018 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

Tgt Ion: 117 Resp: 4100
Ion Ratio Lower Upper
117 100
119 514.1 76.6 115.0#
201 0.0 100.9 151.3#

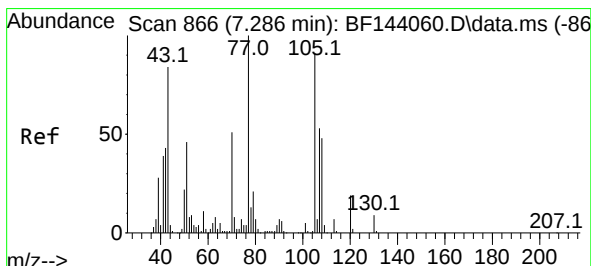
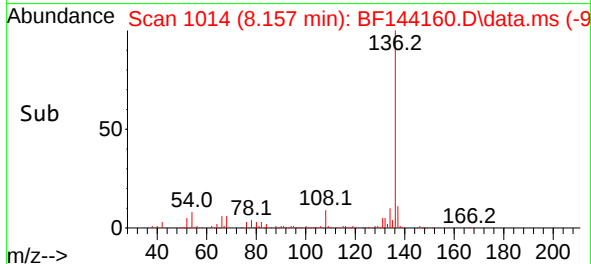
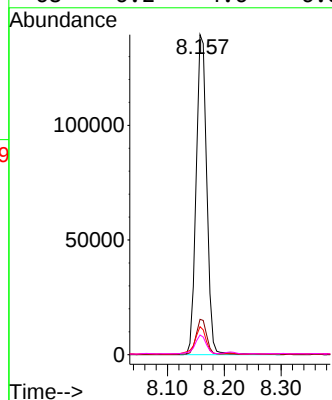
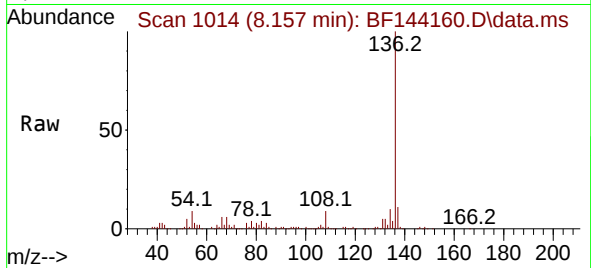




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

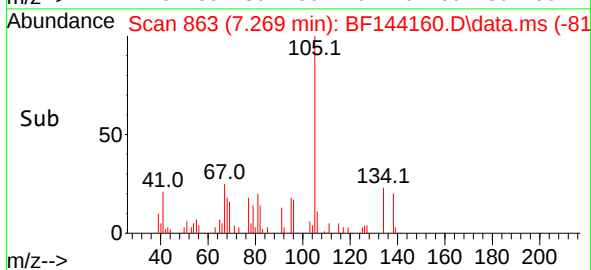
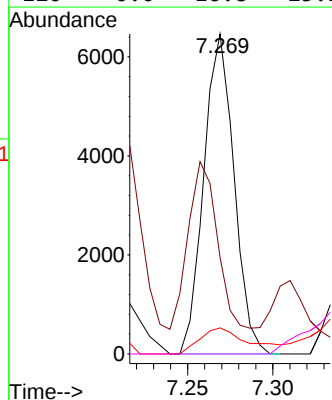
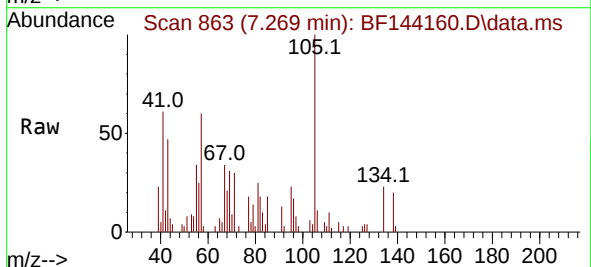
Instrument :
BNA_F
ClientSampleId :
LAW-25-0151

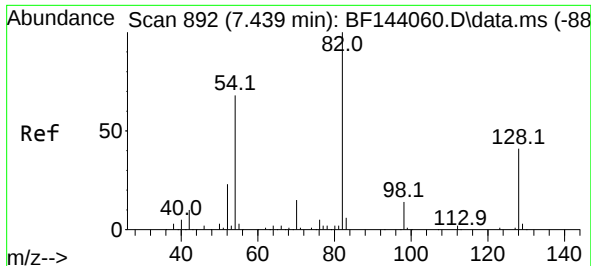
Tgt Ion:136 Resp: 182130
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.7 6.6 9.8
68 6.2 4.6 6.8



#22
Acetophenone
Concen: 2.023 ng
RT: 7.269 min Scan# 863
Delta R.T. -0.017 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

Tgt Ion:105 Resp: 7961
Ion Ratio Lower Upper
105 100
71 30.3 6.9 10.3#
51 8.1 40.6 60.8#
120 0.0 16.8 25.2#





#23

Nitrobenzene-d5

Concen: 3.396 ng

RT: 7.440 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF144160.D

Acq: 31 Oct 2025 01:09

Instrument :

BNA_F

ClientSampleId :

LAW-25-0151

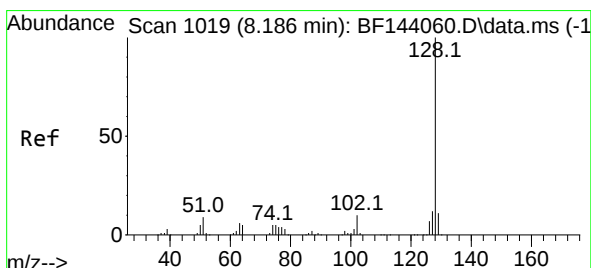
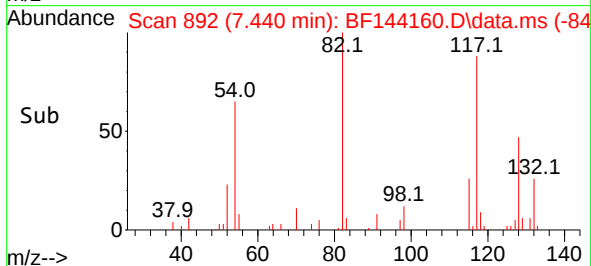
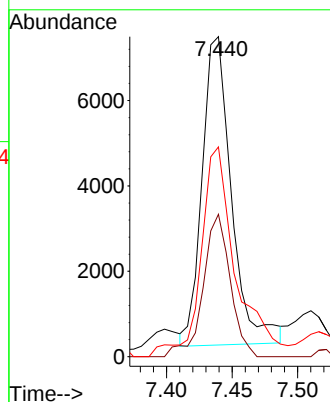
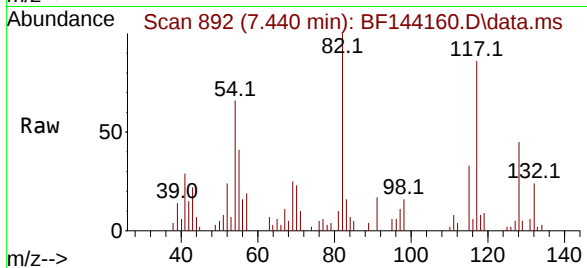
Tgt Ion: 82 Resp: 11291

Ion Ratio Lower Upper

82 100

128 44.5 32.4 48.6

54 65.5 54.0 81.0



#31

Naphthalene

Concen: 3.193 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF144160.D

Acq: 31 Oct 2025 01:09

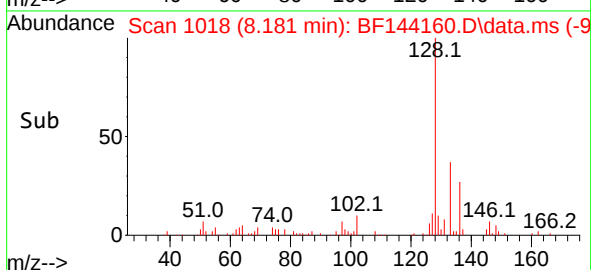
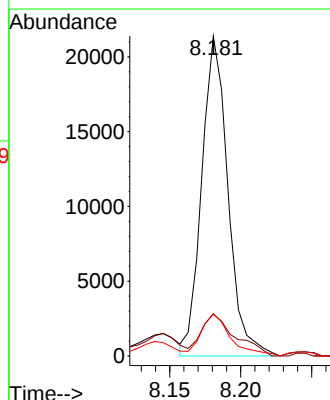
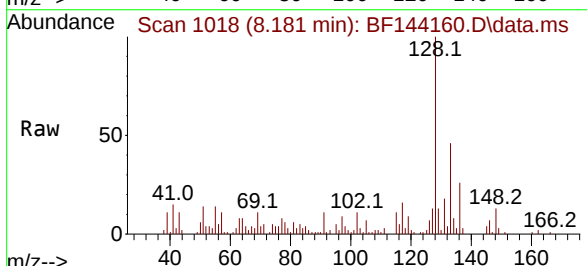
Tgt Ion:128 Resp: 27451

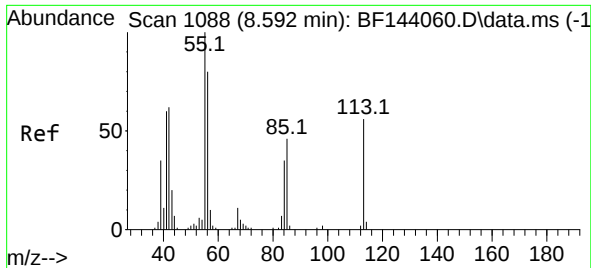
Ion Ratio Lower Upper

128 100

129 13.0 8.4 12.6#

127 13.2 9.9 14.9

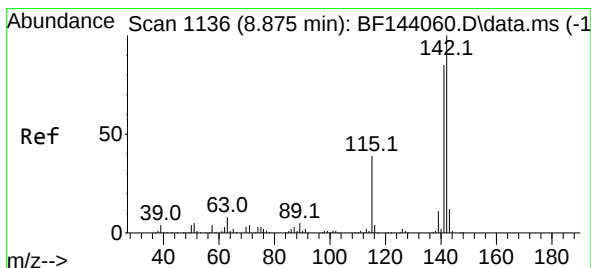
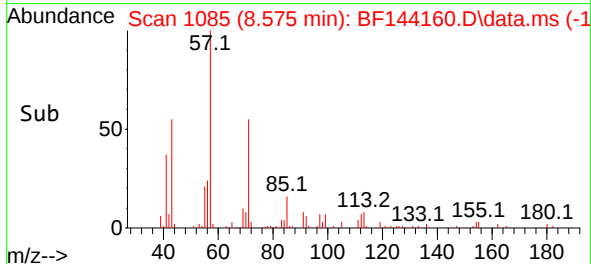
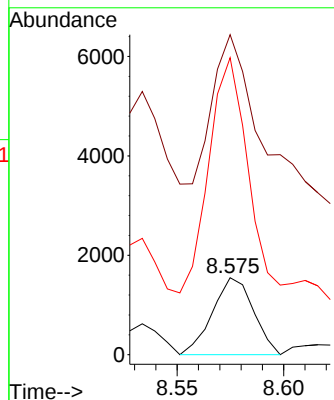
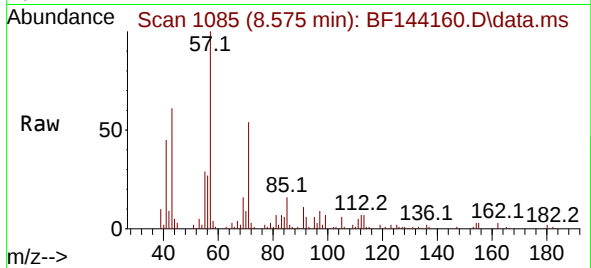




#35
Caprolactam
Concen: 2.859 ng
RT: 8.575 min Scan# 1085
Delta R.T. -0.017 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

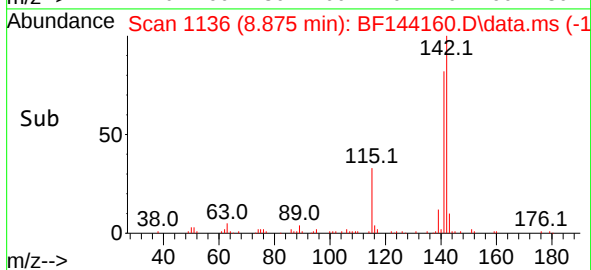
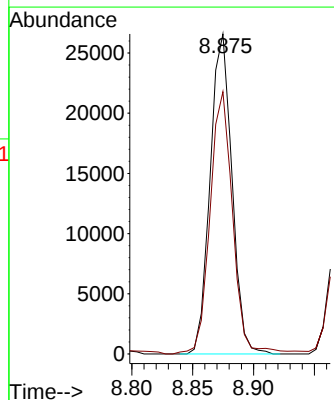
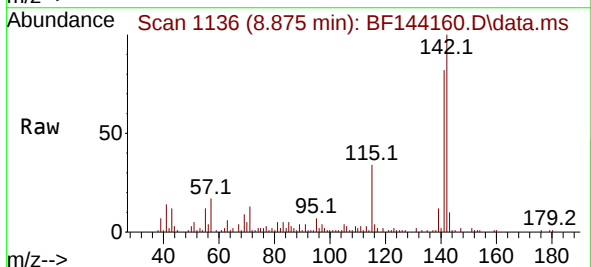
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LAW-25-0151

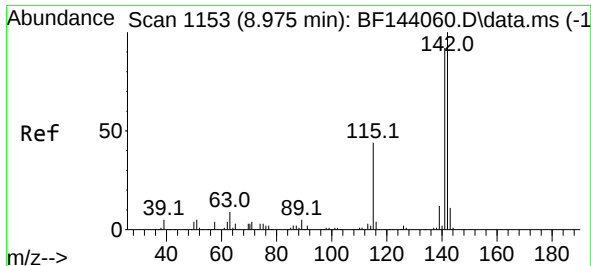
Tgt Ion:113 Resp: 2073
Ion Ratio Lower Upper
113 100
55 415.7 160.1 200.1#
56 385.7 124.9 164.9#



#37
2-Methylnaphthalene
Concen: 5.846 ng
RT: 8.875 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

Tgt Ion:142 Resp: 33133
Ion Ratio Lower Upper
142 100
141 82.0 67.6 101.4

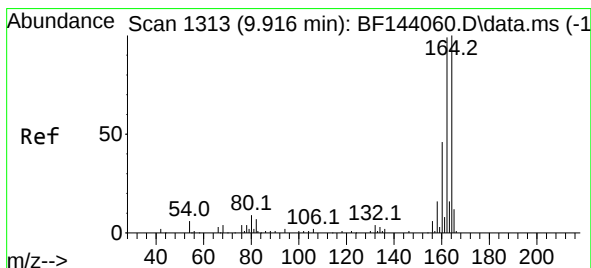
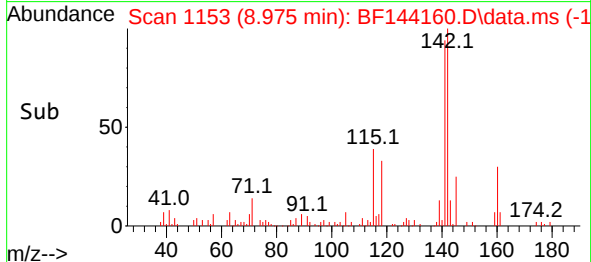
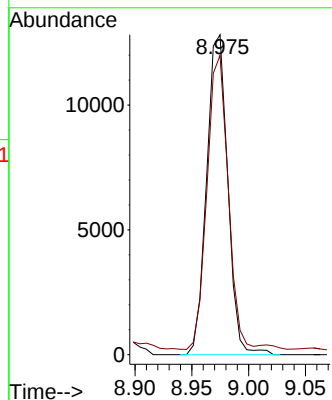
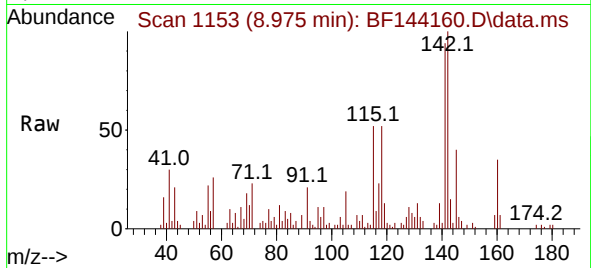




#38
1-Methylnaphthalene
Concen: 3.080 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

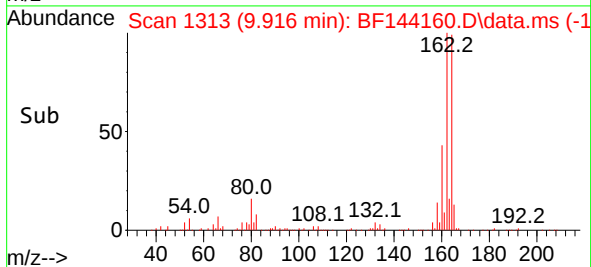
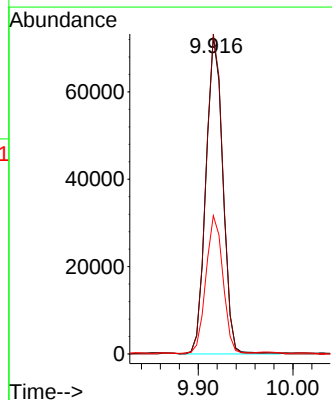
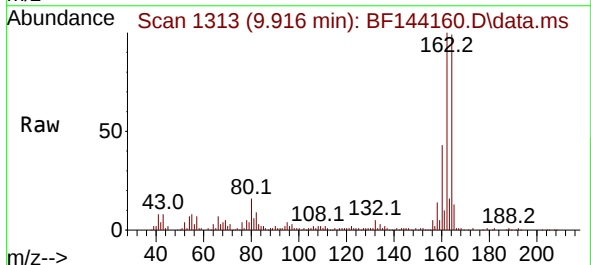
Instrument :
BNA_F
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LAW-25-0151

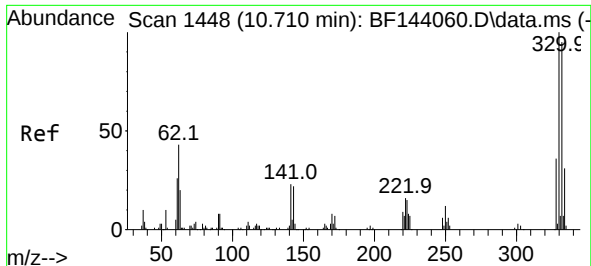
Tgt Ion:142 Resp: 16537
Ion Ratio Lower Upper
142 100
141 93.5 73.4 110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

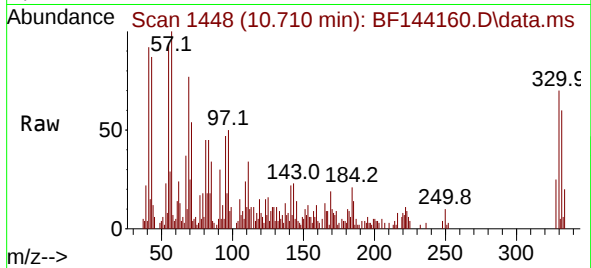
Tgt Ion:164 Resp: 90000
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.2
160 43.6 36.7 55.1



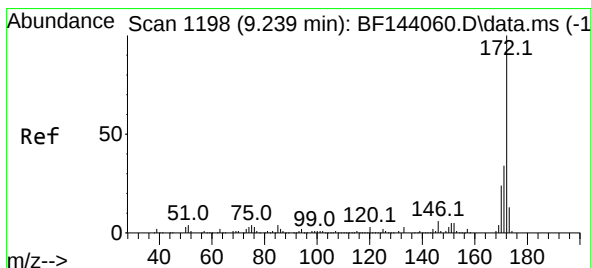
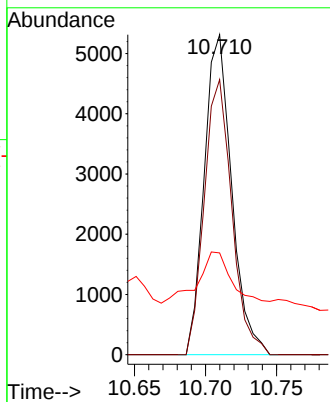
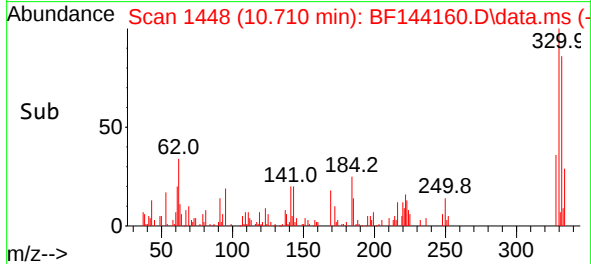


#42
2,4,6-Tribromophenol
Concen: 6.232 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

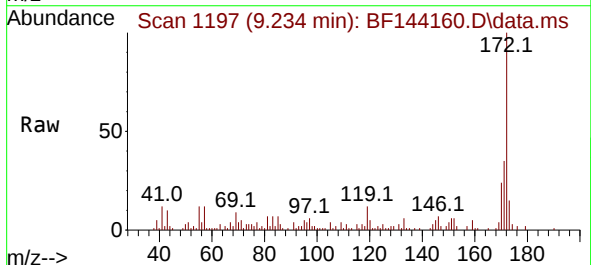
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BNA_F
ClientSampleId :
LAW-25-0151



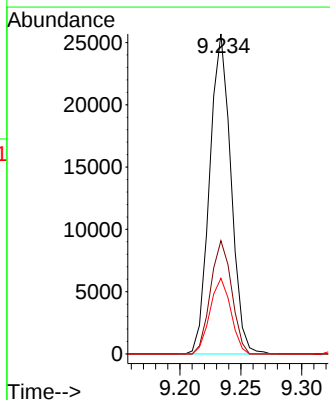
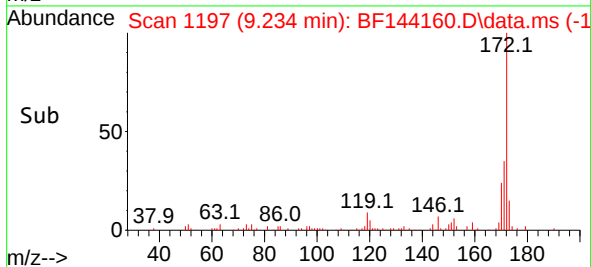
Tgt Ion: 330 Resp: 7144
Ion Ratio Lower Upper
330 100
332 86.6 77.0 115.6
141 20.7 19.4 29.0

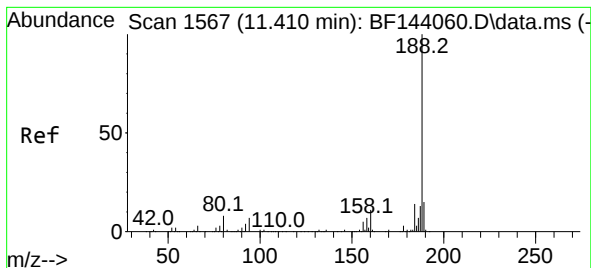


#45
2-Fluorobiphenyl
Concen: 4.895 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09



Tgt Ion: 172 Resp: 31307
Ion Ratio Lower Upper
172 100
171 35.4 27.5 41.3
170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF144160.D

Acq: 31 Oct 2025 01:09

Instrument :

BNA_F

ClientSampleId :

LAW-25-0151

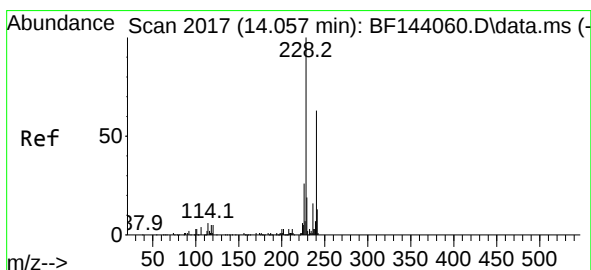
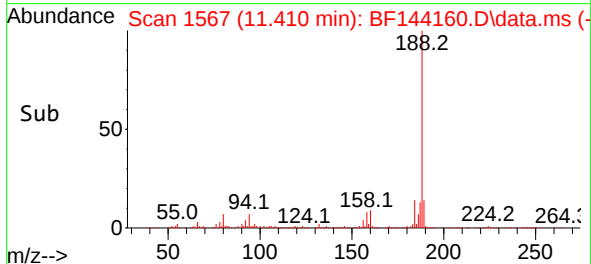
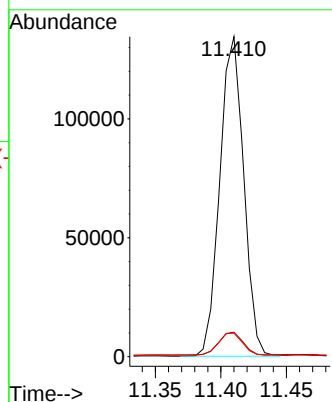
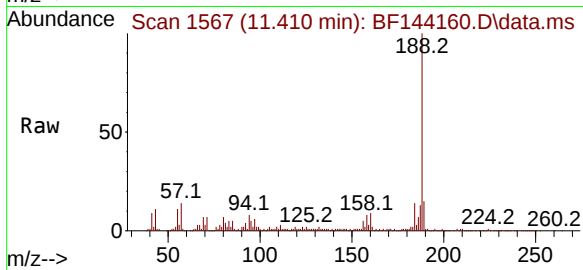
Tgt Ion:188 Resp: 170178

Ion Ratio Lower Upper

188 100

94 7.7 5.4 8.0

80 7.4 6.0 9.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.018 min

Lab File: BF144160.D

Acq: 31 Oct 2025 01:09

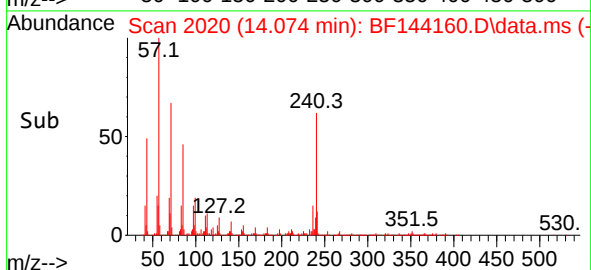
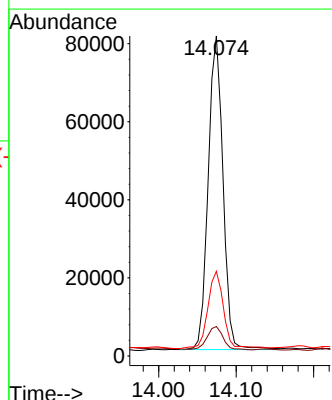
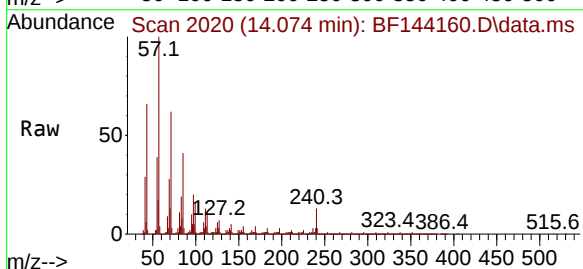
Tgt Ion:240 Resp: 106483

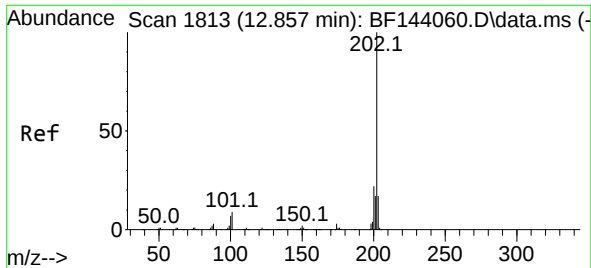
Ion Ratio Lower Upper

240 100

120 9.2 6.5 9.7

236 26.4 20.1 30.1

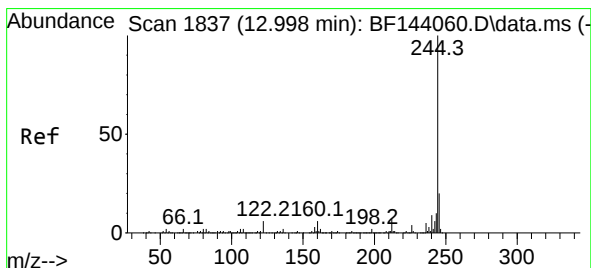
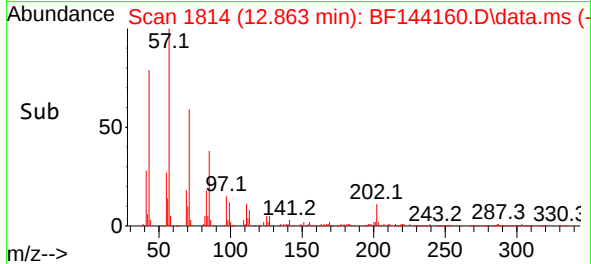
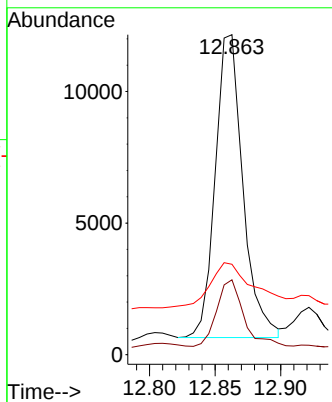
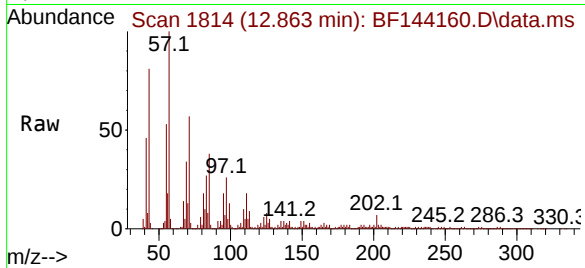




#78
 Pyrene
 Concen: 2.202 ng
 RT: 12.863 min Scan# 1814
 Delta R.T. 0.006 min
 Lab File: BF144160.D
 Acq: 31 Oct 2025 01:09

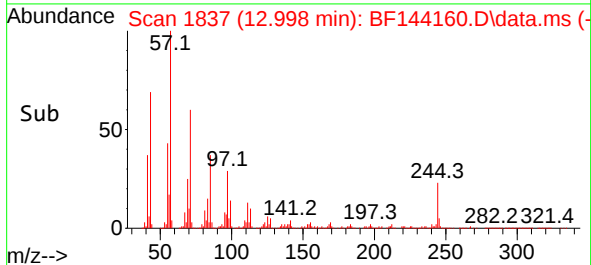
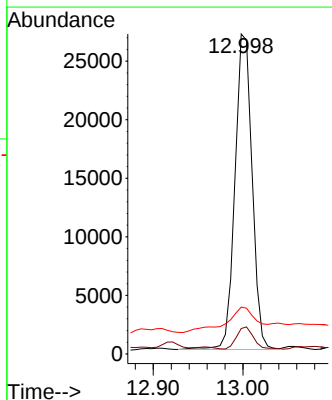
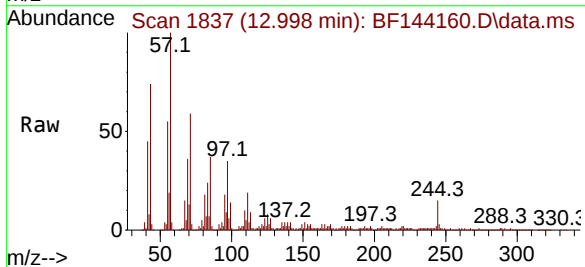
Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0151

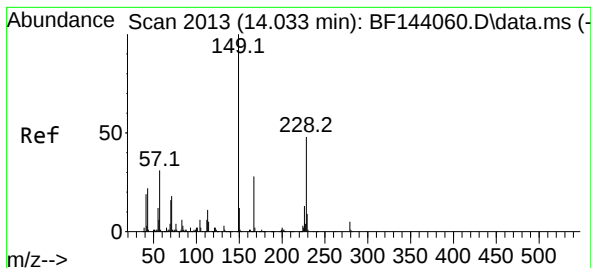
Tgt Ion:202 Resp: 16858
 Ion Ratio Lower Upper
 202 100
 200 23.4 17.2 25.8
 203 28.2 13.5 20.3#



#79
 Terphenyl-d14
 Concen: 5.872 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF144160.D
 Acq: 31 Oct 2025 01:09

Tgt Ion:244 Resp: 35767
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.6
 122 14.7 4.9 7.3#

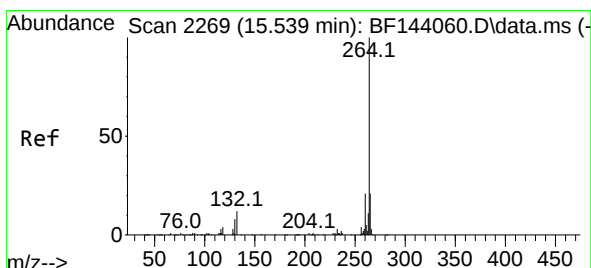
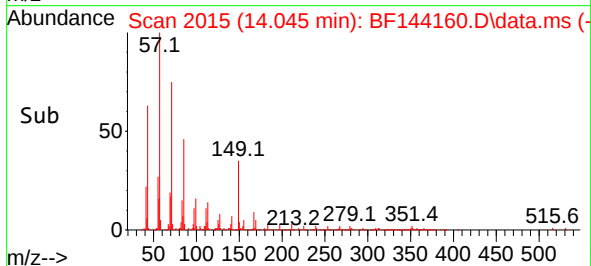
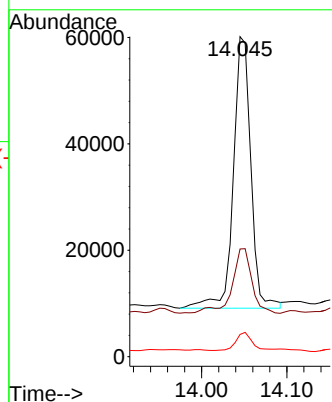
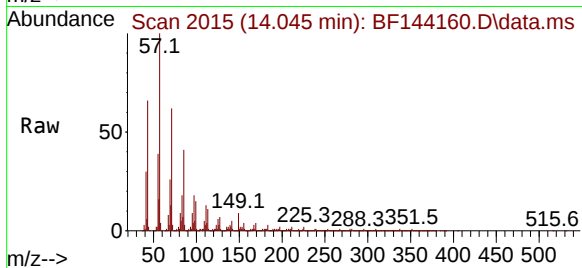




#84
Bis(2-ethylhexyl)phthalate
Concen: 18.408 ng
RT: 14.045 min Scan# 2013
Delta R.T. 0.012 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

Instrument :
BNA_F
ClientSampleId :
LAW-25-0151

Tgt Ion:149 Resp: 72782
Ion Ratio Lower Upper
149 100
167 33.7 22.5 33.7
279 6.9 3.6 5.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.041 min
Lab File: BF144160.D
Acq: 31 Oct 2025 01:09

Tgt Ion:264 Resp: 80120
Ion Ratio Lower Upper
264 100
260 21.1 17.0 25.4
265 22.5 16.6 24.8

