

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121625\
 Data File : BF144502.D
 Acq On : 16 Dec 2025 18:46
 Operator : RC/JU
 Sample : Q3871-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0194

Quant Time: Dec 17 00:49:38 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)

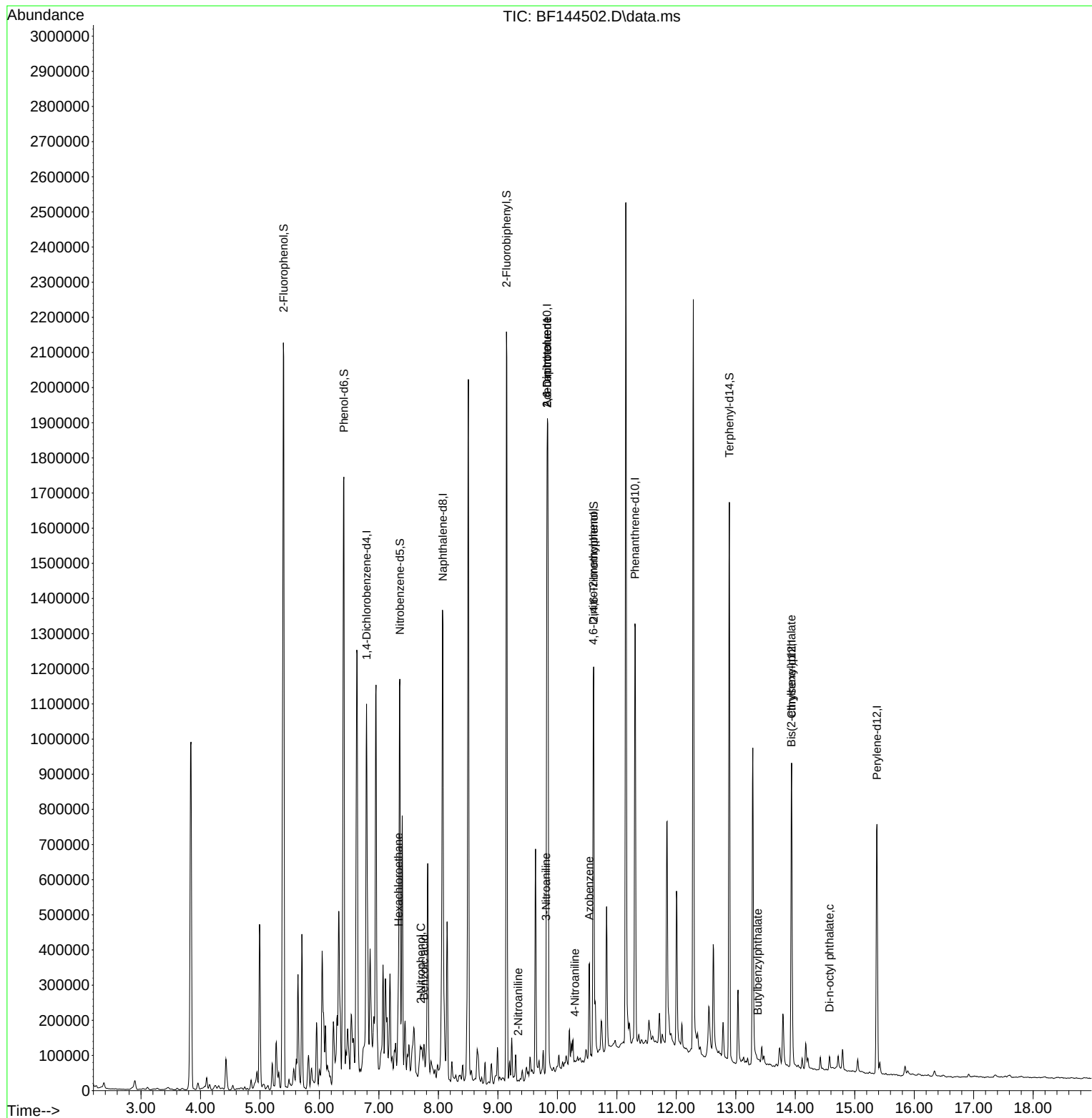
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	196148	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	793561	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	415564	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	626909	20.000	ng	0.00
76) Chrysene-d12	13.939	240	384281	20.000	ng	0.00
86) Perylene-d12	15.374	264	397313	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	627275	48.219	ng	0.00
7) Phenol-d6	6.410	99	775737	47.808	ng	0.00
23) Nitrobenzene-d5	7.351	82	472885	37.290	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	189040	50.315	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	947516	34.978	ng	-0.01
79) Terphenyl-d14	12.892	244	736136	30.244	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.328	117	12185	2.319	ng	# 1
26) 2-Nitrophenol	7.704	139	603	3.884	ng	# 1
32) Benzoic acid	7.757	122	11943	7.793	ng	96
48) 2-Nitroaniline	9.339	65	307	3.673	ng	# 11
51) 2,6-Dinitrotoluene	9.828	165	55684	13.852	ng	# 43
53) 3-Nitroaniline	9.810	138	596	3.094	ng	# 1
57) 2,4-Dinitrotoluene	9.828	165	55684	11.171	ng	# 36
62) 4-Nitroaniline	10.292	138	773	2.631	ng	79
63) Azobenzene	10.533	77	68984	2.453	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.604	198	483	6.964	ng	# 1
80) Butylbenzylphthalate	13.369	149	88	3.265	ng	# 9
84) Bis(2-ethylhexyl)phtha...	13.933	149	22737	4.482	ng	99
85) Di-n-octyl phthalate	14.574	149	4363	6.683	ng	# 28

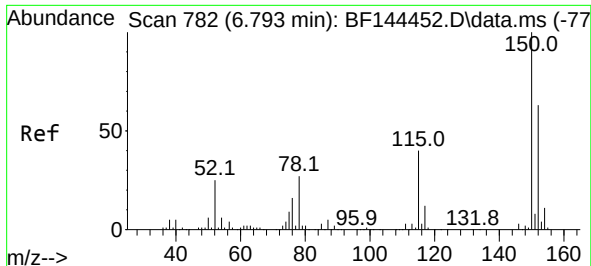
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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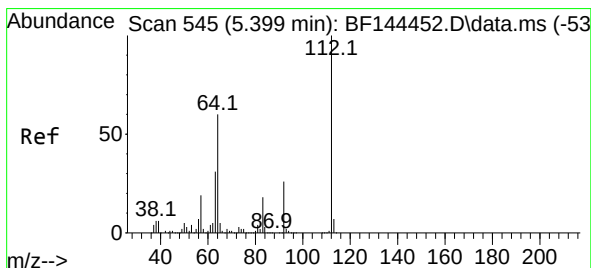
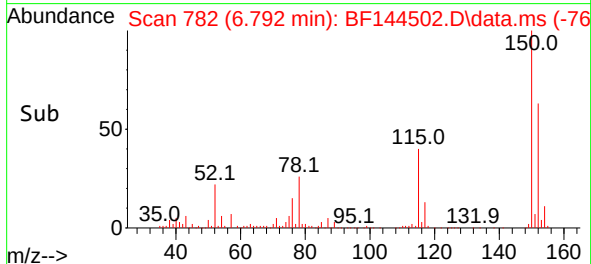
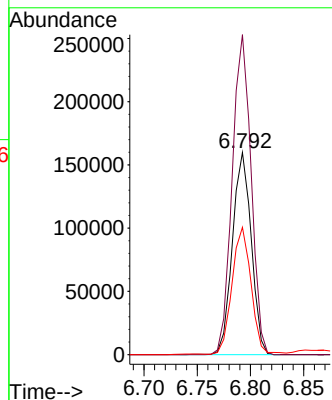
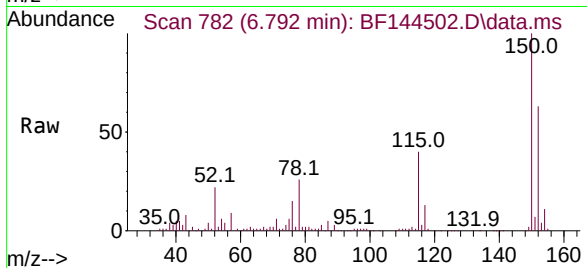




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 782
 Delta R.T. -0.001 min
 Lab File: BF144502.D
 Acq: 16 Dec 2025 18:46

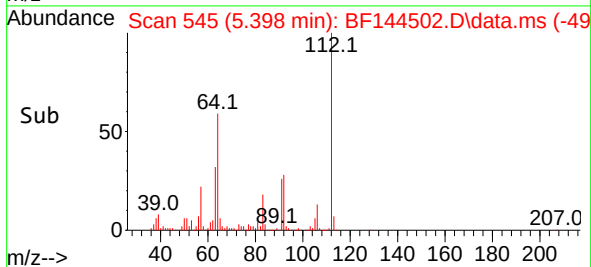
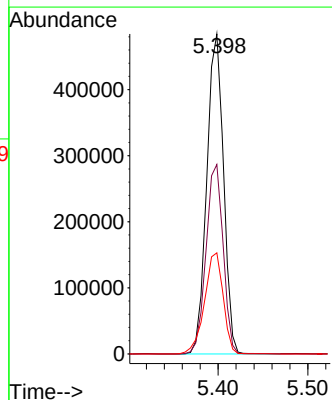
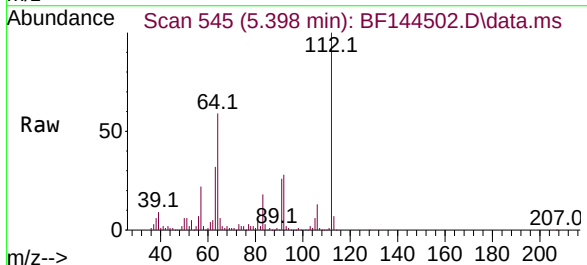
Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0194

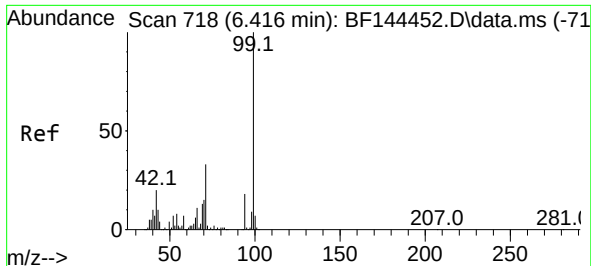
Tgt Ion:152 Resp: 196148
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.4 191.2
 115 63.0 51.4 77.0



#5
 2-Fluorophenol
 Concen: 48.219 ng
 RT: 5.398 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: BF144502.D
 Acq: 16 Dec 2025 18:46

Tgt Ion:112 Resp: 627275
 Ion Ratio Lower Upper
 112 100
 64 59.2 47.8 71.6
 63 31.6 24.6 37.0

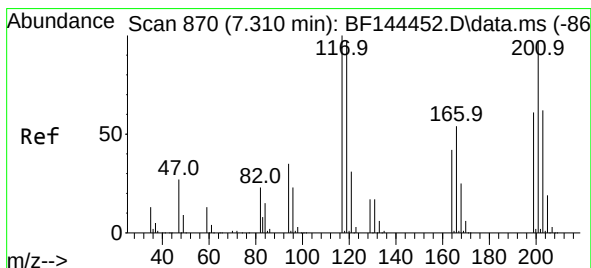
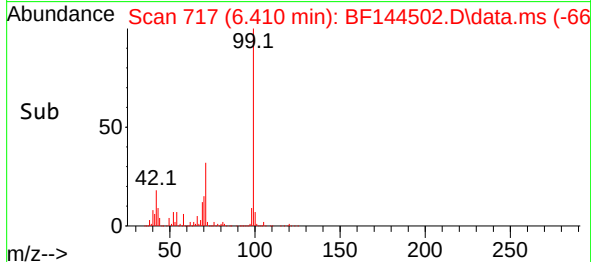
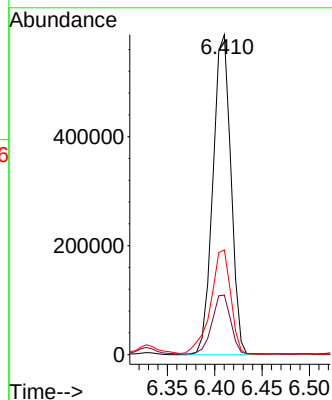
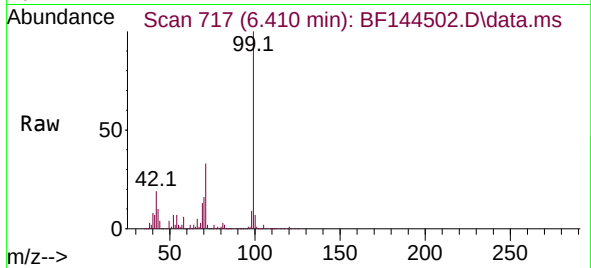




#7
Phenol-d6
Concen: 47.808 ng
RT: 6.410 min Scan# 718
Delta R.T. -0.006 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

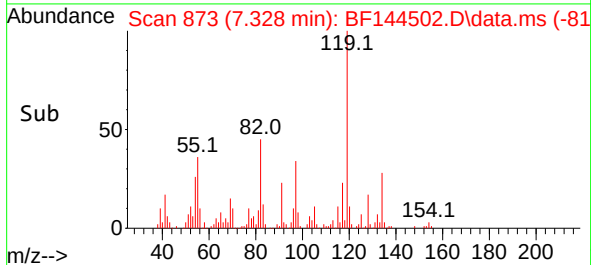
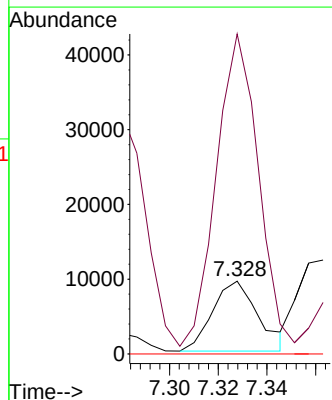
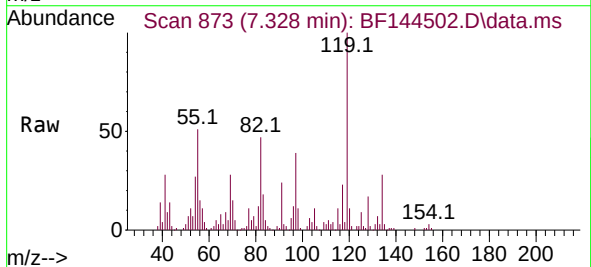
Instrument :
BNA_F
ClientSampleId :
LAW-25-0194

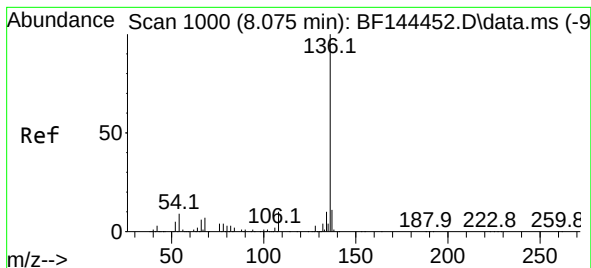
Tgt Ion: 99 Resp: 775737
Ion Ratio Lower Upper
99 100
42 18.6 15.7 23.5
71 32.7 26.4 39.6



#18
Hexachloroethane
Concen: 2.319 ng
RT: 7.328 min Scan# 873
Delta R.T. 0.018 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

Tgt Ion: 117 Resp: 12185
Ion Ratio Lower Upper
117 100
119 439.9 77.5 116.3#
201 0.0 77.3 115.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF144502.D

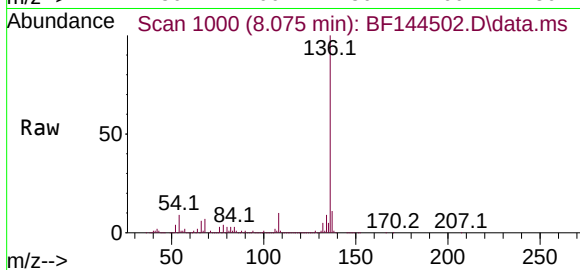
Acq: 16 Dec 2025 18:46

Instrument :

BNA_F

ClientSampleId :

LAW-25-0194



Tgt Ion:136 Resp: 793561

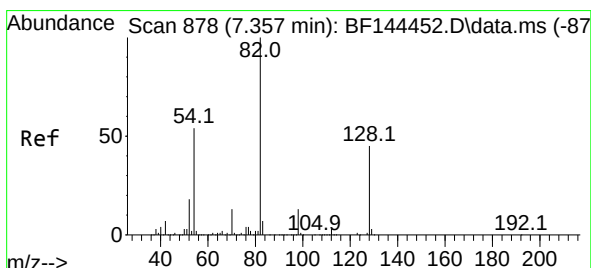
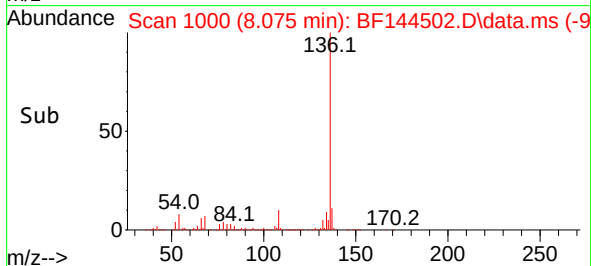
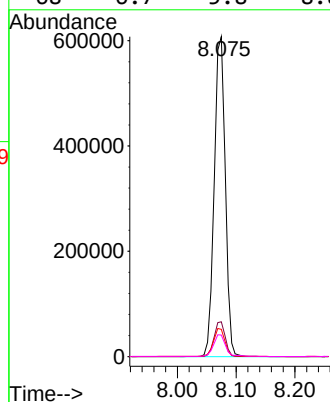
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.5 7.5 11.3

68 6.7 5.8 8.8



#23

Nitrobenzene-d5

Concen: 37.290 ng

RT: 7.351 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF144502.D

Acq: 16 Dec 2025 18:46

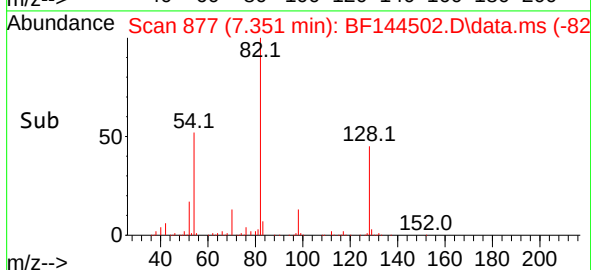
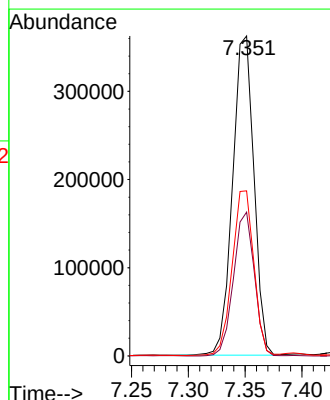
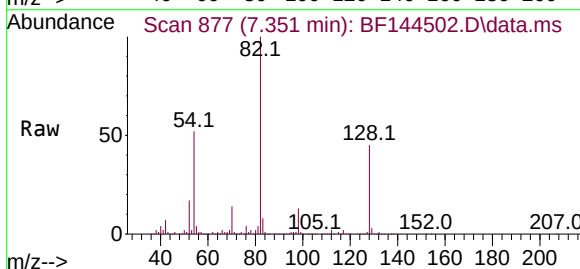
Tgt Ion: 82 Resp: 472885

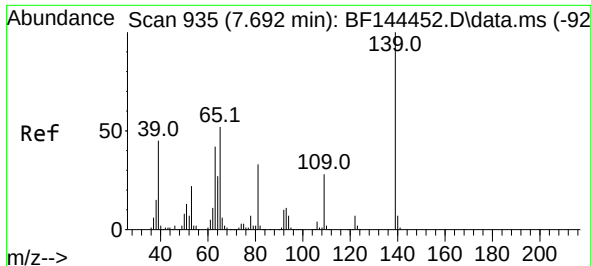
Ion Ratio Lower Upper

82 100

128 44.9 35.5 53.3

54 51.6 43.3 64.9

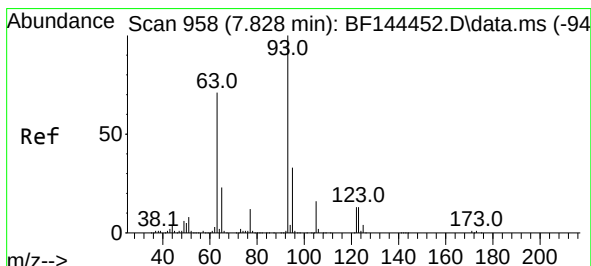
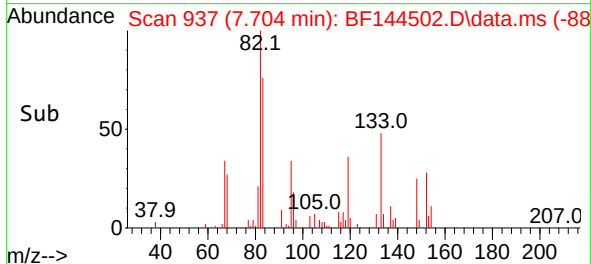
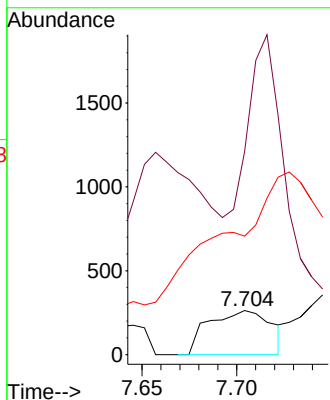
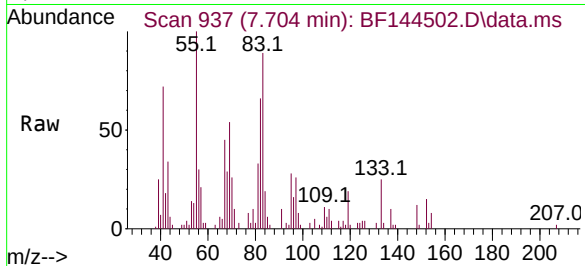




#26
2-Nitrophenol
Concen: 3.884 ng
RT: 7.704 min Scan# 935
Delta R.T. 0.012 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

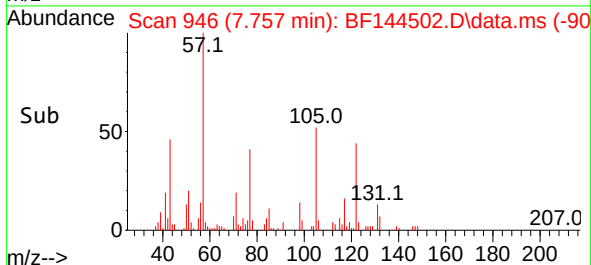
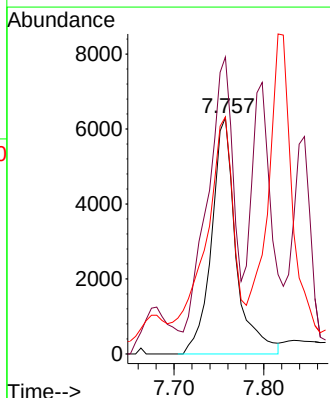
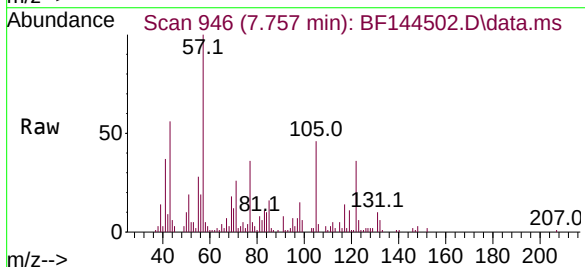
Instrument :
BNA_F
ClientSampleId :
LAW-25-0194

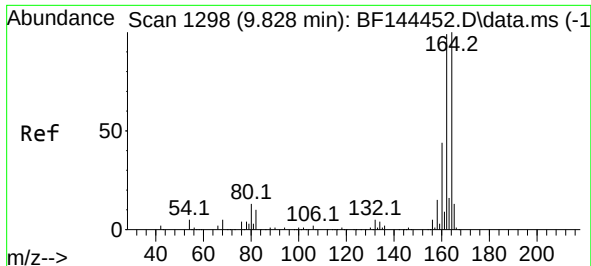
Tgt Ion:139 Resp: 603
Ion Ratio Lower Upper
139 100
109 460.1 22.1 33.1#
65 268.8 41.5 62.3#



#32
Benzoic acid
Concen: 7.793 ng
RT: 7.757 min Scan# 946
Delta R.T. -0.071 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

Tgt Ion:122 Resp: 11943
Ion Ratio Lower Upper
122 100
105 125.6 103.2 143.2
77 100.3 75.1 115.1

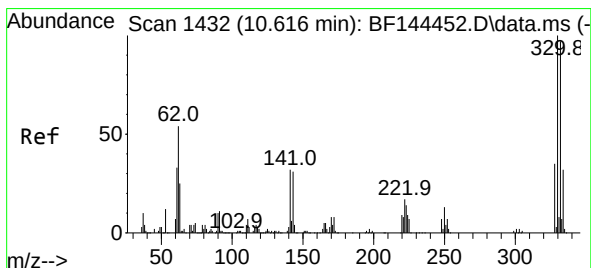
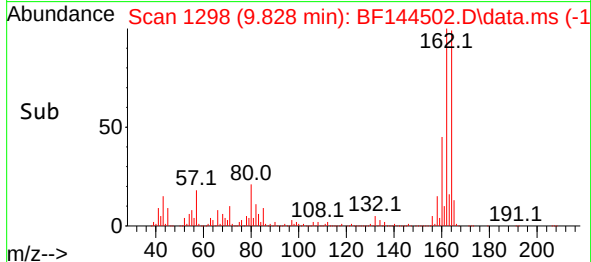
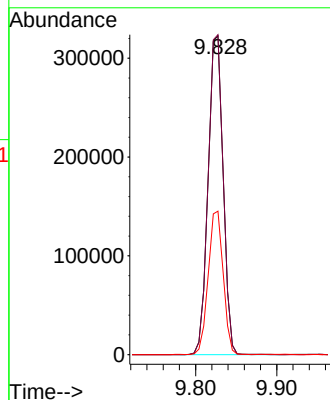
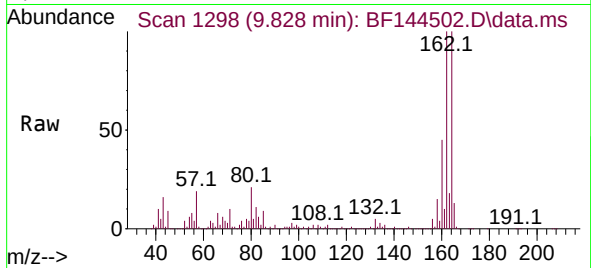




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.828 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF144502.D
 Acq: 16 Dec 2025 18:46

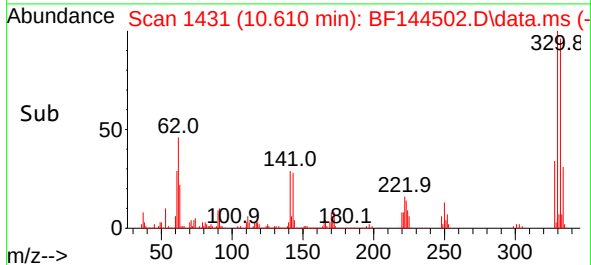
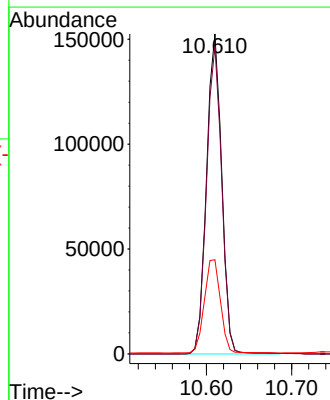
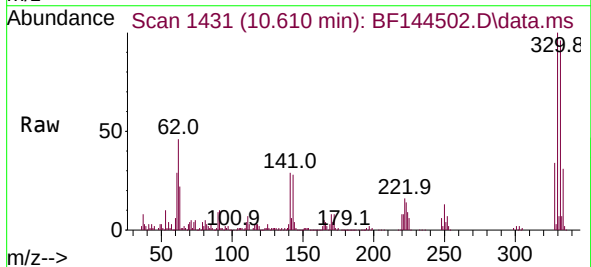
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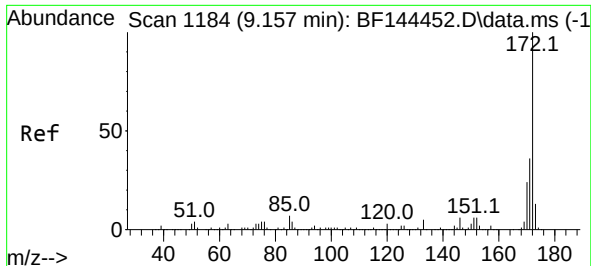
Tgt Ion:164 Resp: 415564
 Ion Ratio Lower Upper
 164 100
 162 100.4 79.2 118.8
 160 45.0 35.3 52.9



#42
 2,4,6-Tribromophenol
 Concen: 50.315 ng
 RT: 10.610 min Scan# 1431
 Delta R.T. -0.006 min
 Lab File: BF144502.D
 Acq: 16 Dec 2025 18:46

Tgt Ion:330 Resp: 189040
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.5 116.3
 141 31.0 26.2 39.2

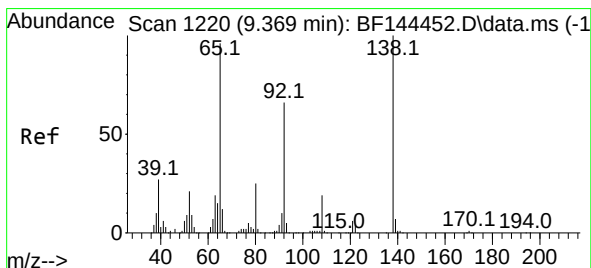
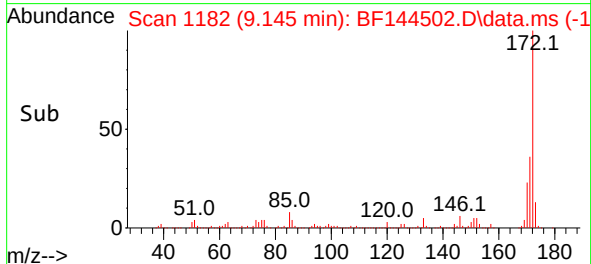
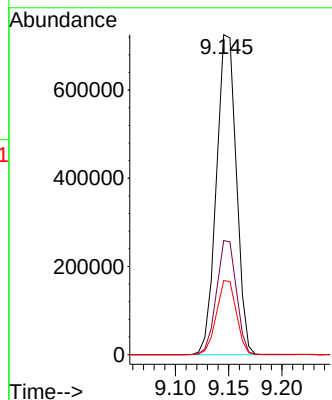
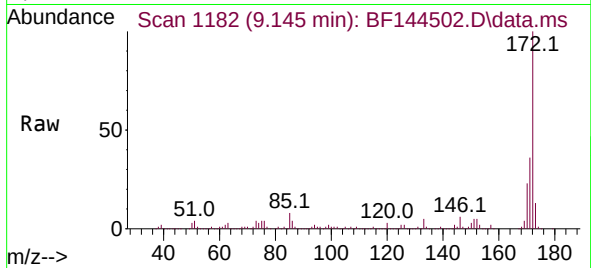




#45
2-Fluorobiphenyl
Concen: 34.978 ng
RT: 9.145 min Scan# 1184
Delta R.T. -0.012 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

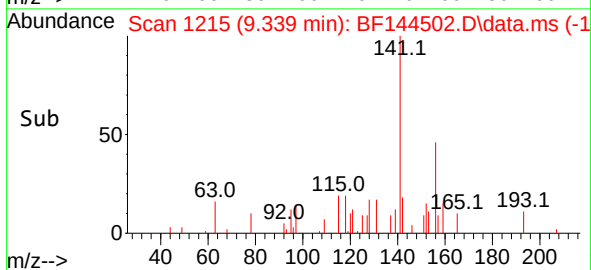
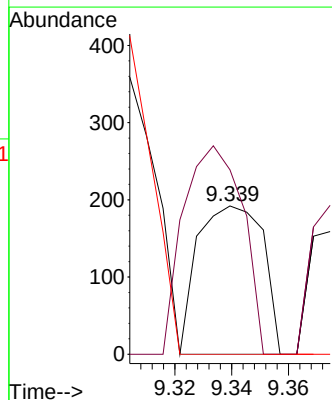
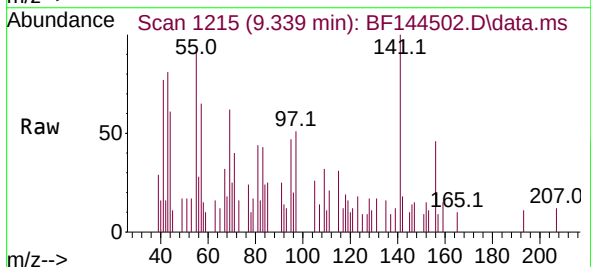
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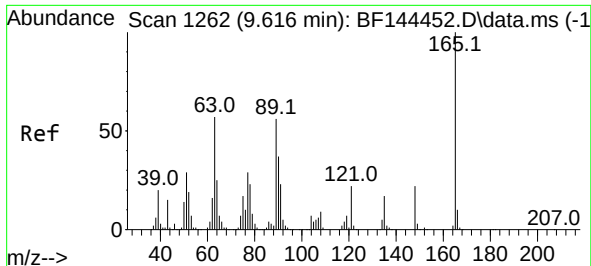
Tgt Ion:172 Resp: 947516
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.1 19.3 28.9



#48
2-Nitroaniline
Concen: 3.673 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.030 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

Tgt Ion: 65 Resp: 307
Ion Ratio Lower Upper
65 100
92 124.5 55.0 82.4#
138 0.0 83.4 125.2#

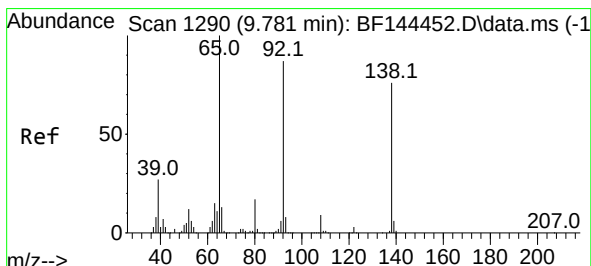
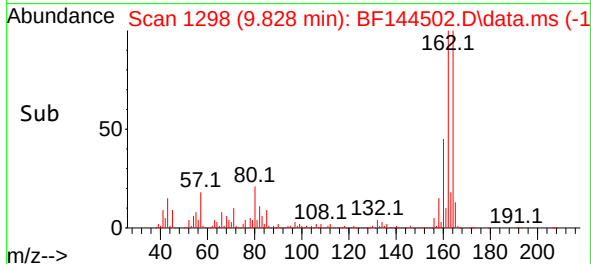
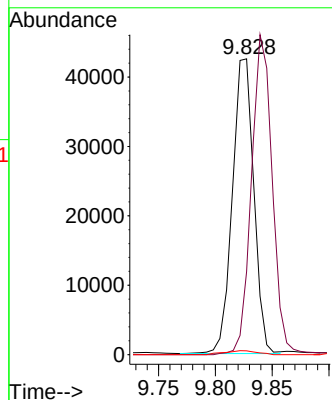
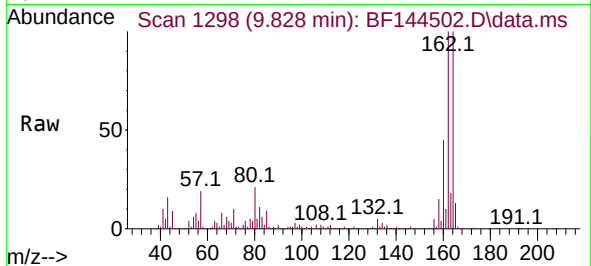




#51
2,6-Dinitrotoluene
Concen: 13.852 ng
RT: 9.828 min Scan# 1262
Delta R.T. 0.212 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

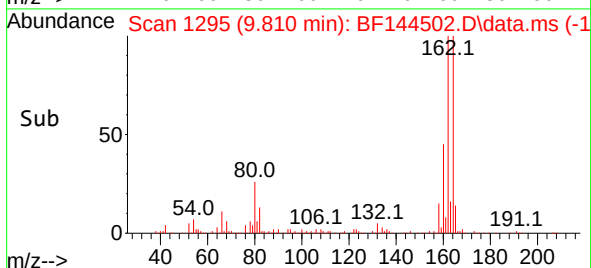
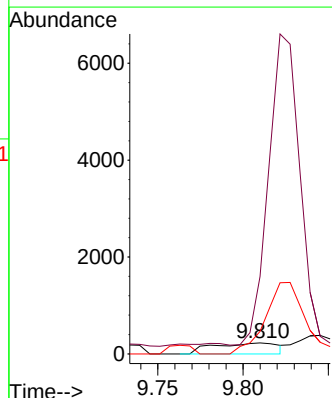
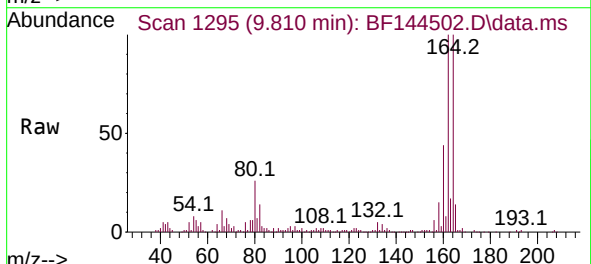
Instrument :
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LAW-25-0194

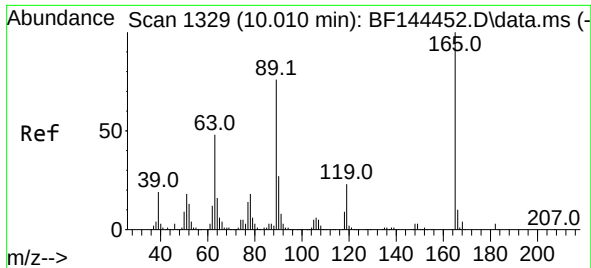
Tgt Ion:165 Resp: 55684
Ion Ratio Lower Upper
165 100
63 28.1 45.9 68.9#
89 1.3 44.6 67.0#



#53
3-Nitroaniline
Concen: 3.094 ng
RT: 9.810 min Scan# 1295
Delta R.T. 0.029 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

Tgt Ion:138 Resp: 596
Ion Ratio Lower Upper
138 100
108 707.5 9.7 14.5#
92 206.2 91.5 137.3#

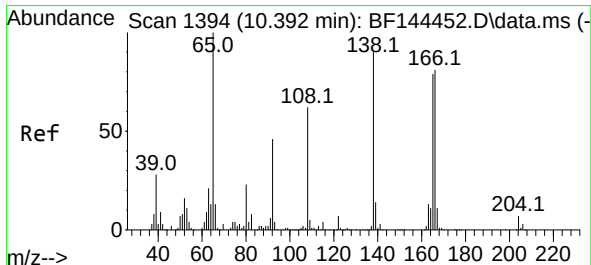
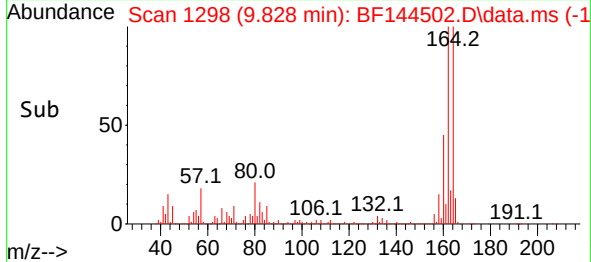
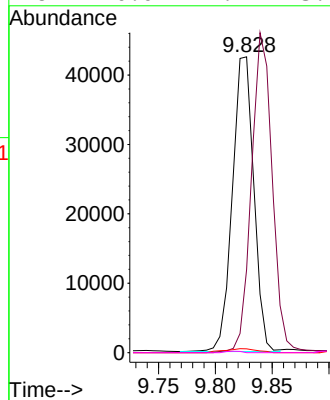
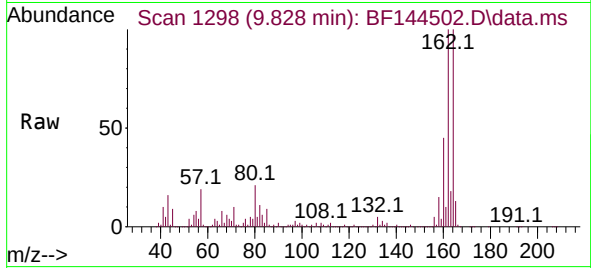




#57
2,4-Dinitrotoluene
Concen: 11.171 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

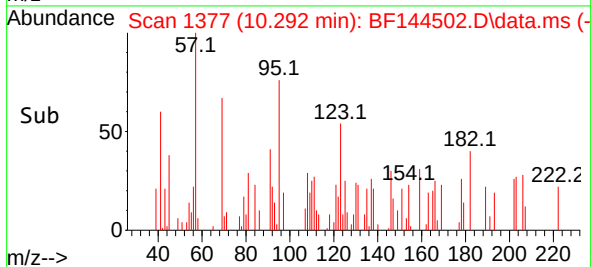
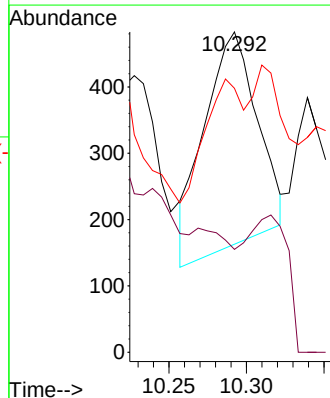
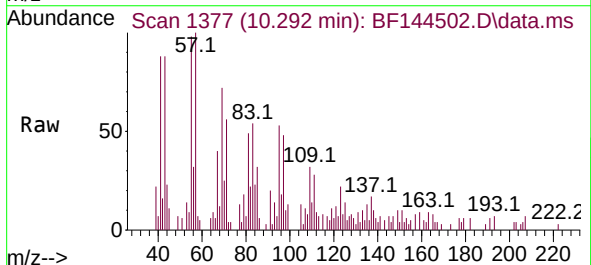
Instrument :
BNA_F
ClientSampleId :
LAW-25-0194

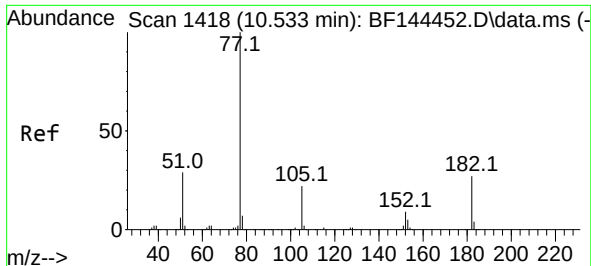
Tgt Ion:165 Resp: 55684
Ion Ratio Lower Upper
165 100
63 28.1 38.2 57.4#
89 1.3 61.2 91.8#
182 0.0 2.2 3.4#



#62
4-Nitroaniline
Concen: 2.631 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.100 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

Tgt Ion:138 Resp: 773
Ion Ratio Lower Upper
138 100
92 32.1 30.8 70.8
108 82.4 49.2 89.2

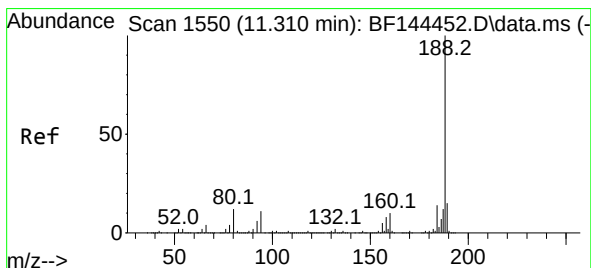
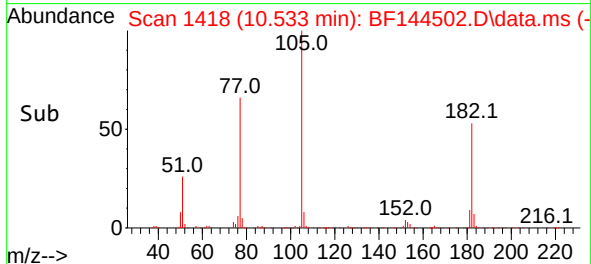
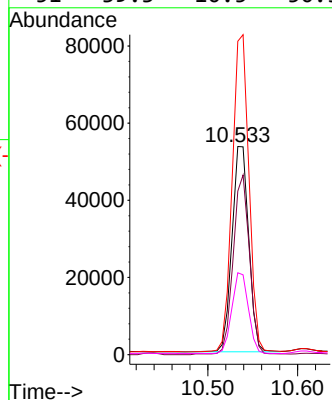
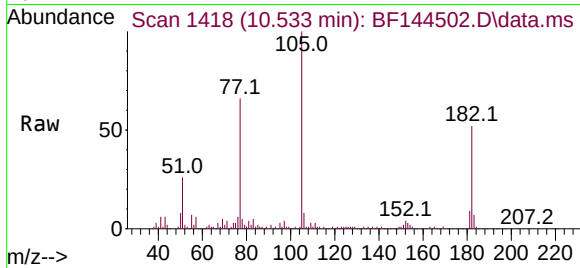




#63
Azobenzene
Concen: 2.453 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

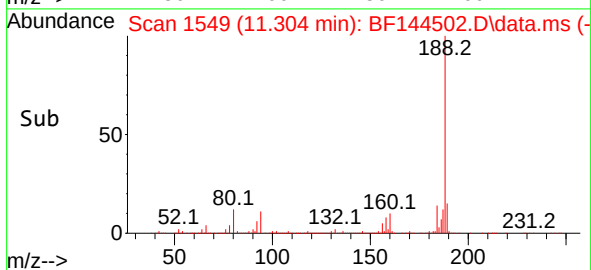
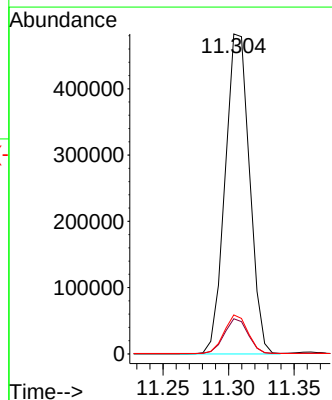
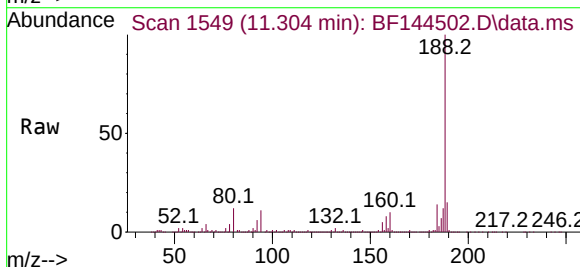
Instrument :
BNA_F
ClientSampleId :
LAW-25-0194

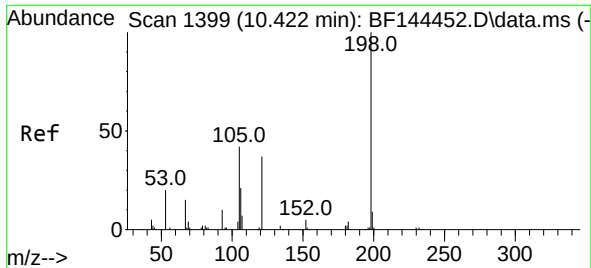
Tgt Ion: 77 Resp: 68984
Ion Ratio Lower Upper
77 100
182 78.6 6.1 46.1#
105 150.5 1.5 41.5#
51 39.3 10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

Tgt Ion:188 Resp: 626909
Ion Ratio Lower Upper
188 100
94 11.0 9.0 13.6
80 12.2 9.8 14.8

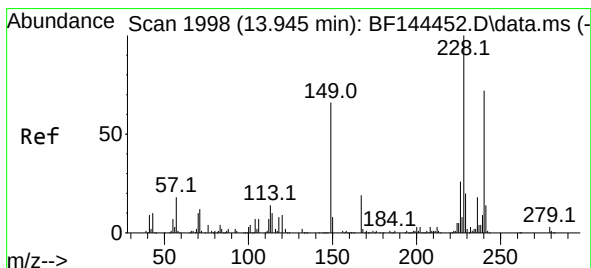
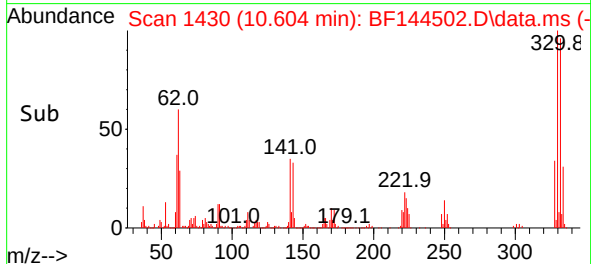
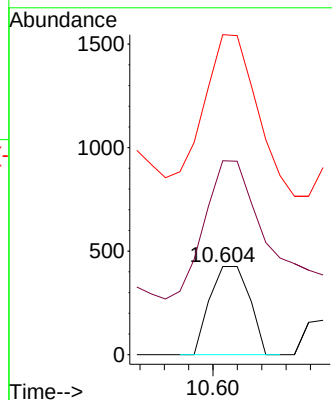
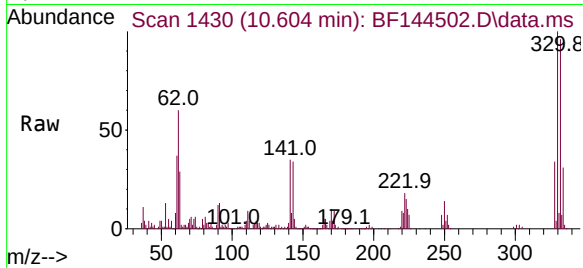




#65
4,6-Dinitro-2-methylphenol
Concen: 6.964 ng
RT: 10.604 min Scan# 14
Delta R.T. 0.182 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

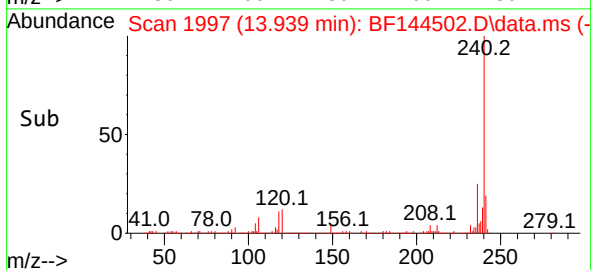
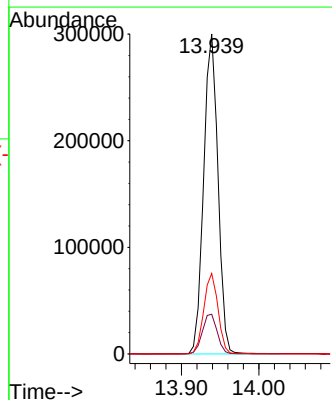
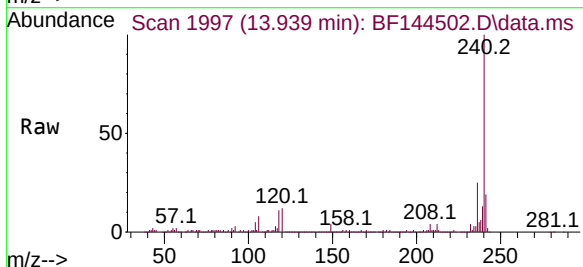
Instrument :
BNA_F
ClientSampleId :
LAW-25-0194

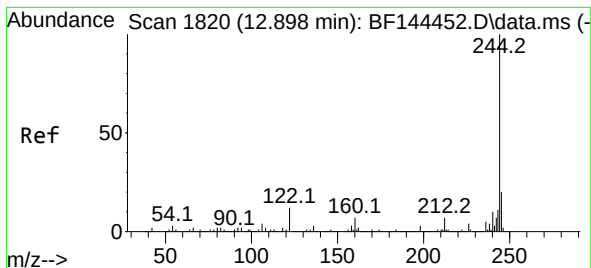
Tgt Ion:198 Resp: 483
Ion Ratio Lower Upper
198 100
51 220.0 25.5 65.5#
105 362.9 23.4 63.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

Tgt Ion:240 Resp: 384281
Ion Ratio Lower Upper
240 100
120 12.4 10.3 15.5
236 25.1 20.2 30.4





#79

Terphenyl-d14

Concen: 30.244 ng

RT: 12.892 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF144502.D

Acq: 16 Dec 2025 18:46

Instrument :

BNA_F

ClientSampleId :

LAW-25-0194

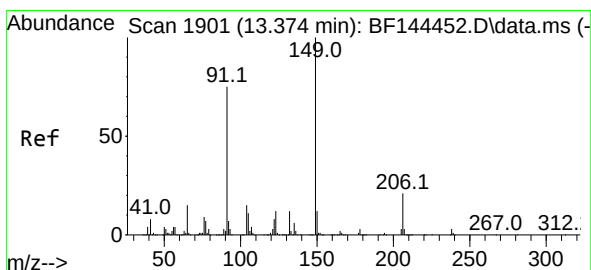
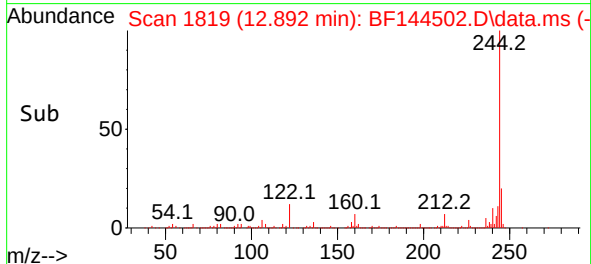
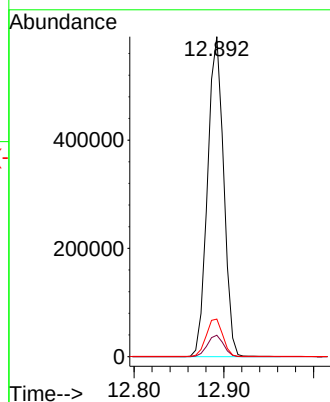
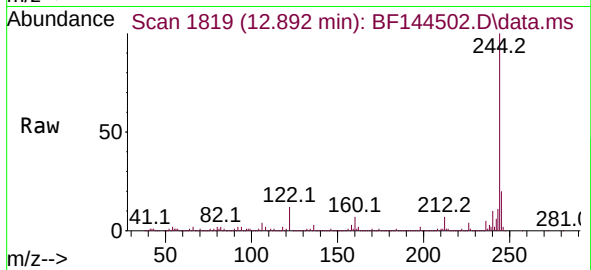
Tgt Ion:244 Resp: 736136

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 11.7 9.9 14.9



#80

Butylbenzylphthalate

Concen: 3.265 ng

RT: 13.369 min Scan# 1900

Delta R.T. -0.005 min

Lab File: BF144502.D

Acq: 16 Dec 2025 18:46

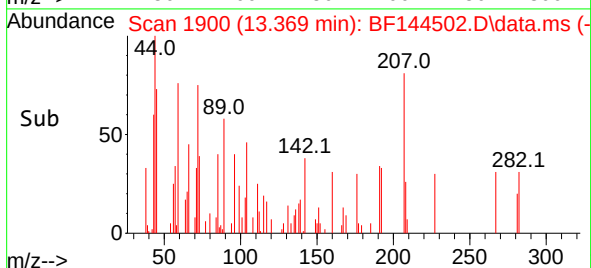
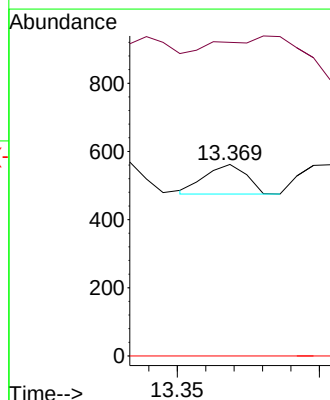
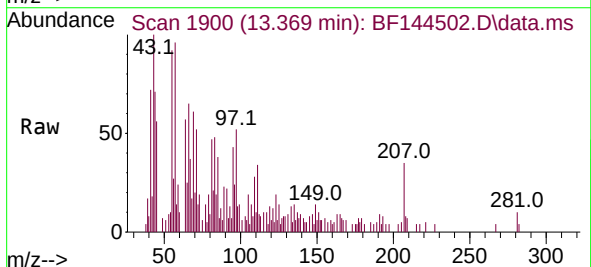
Tgt Ion:149 Resp: 88

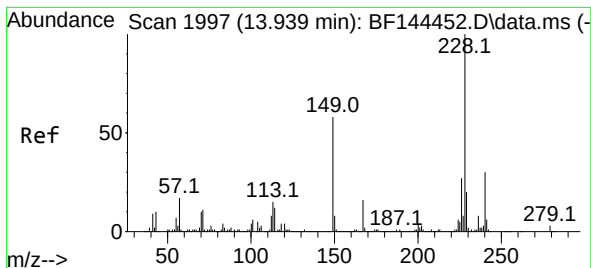
Ion Ratio Lower Upper

149 100

91 163.7 59.8 89.8#

206 0.0 17.0 25.6#

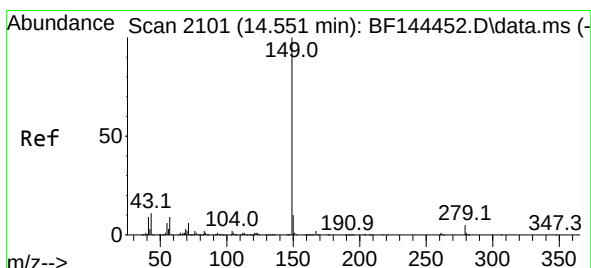
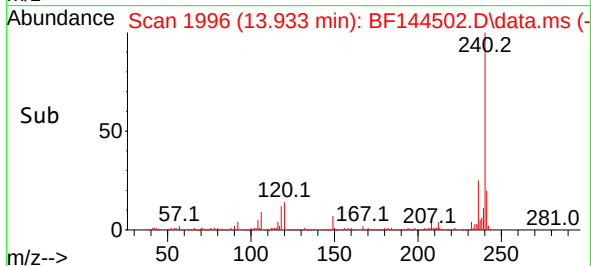
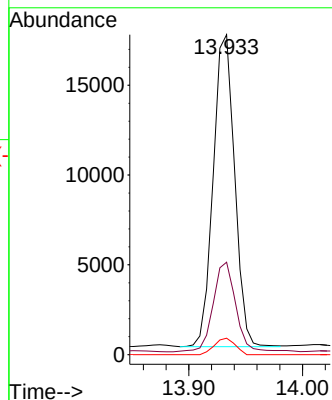
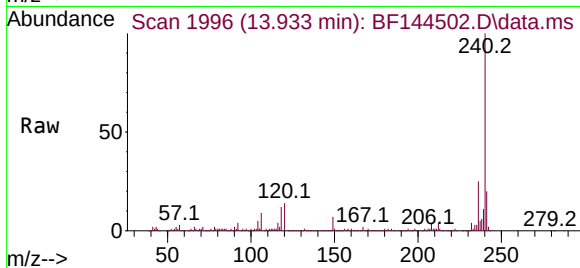




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.482 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

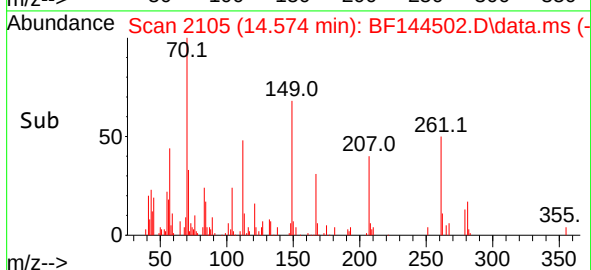
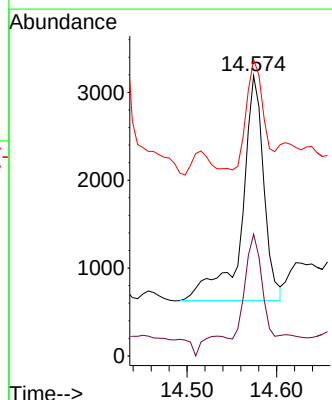
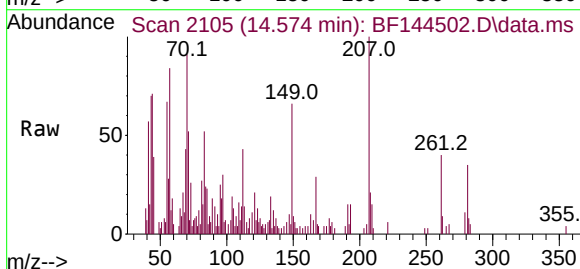
Instrument :
BNA_F
ClientSampleId :
LAW-25-0194

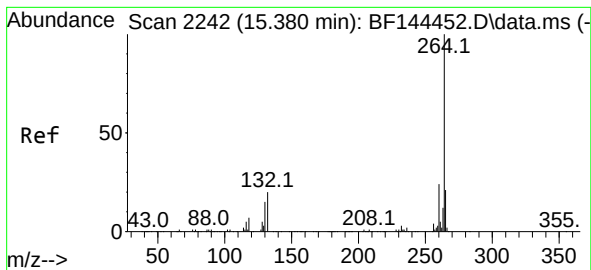
Tgt Ion:149 Resp: 22737
Ion Ratio Lower Upper
149 100
167 28.9 22.6 34.0
279 5.1 3.7 5.5



#85
Di-n-octyl phthalate
Concen: 6.683 ng
RT: 14.574 min Scan# 2105
Delta R.T. 0.023 min
Lab File: BF144502.D
Acq: 16 Dec 2025 18:46

Tgt Ion:149 Resp: 4363
Ion Ratio Lower Upper
149 100
167 38.0 1.3 1.9#
43 37.9 9.2 13.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144502.D

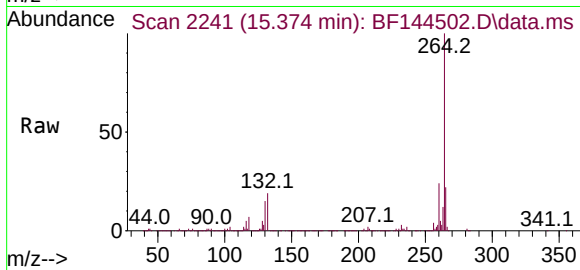
Acq: 16 Dec 2025 18:46

Instrument :

BNA_F

ClientSampleId :

LAW-25-0194



Tgt Ion:264 Resp: 397313

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 21.8 17.1 25.7

