

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144228.D
 Acq On : 12 Nov 2025 03:52
 Operator : RC/JU
 Sample : Q3593-06 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-LAW-25-0167-0175-COMP

Quant Time: Nov 12 04:55:07 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)

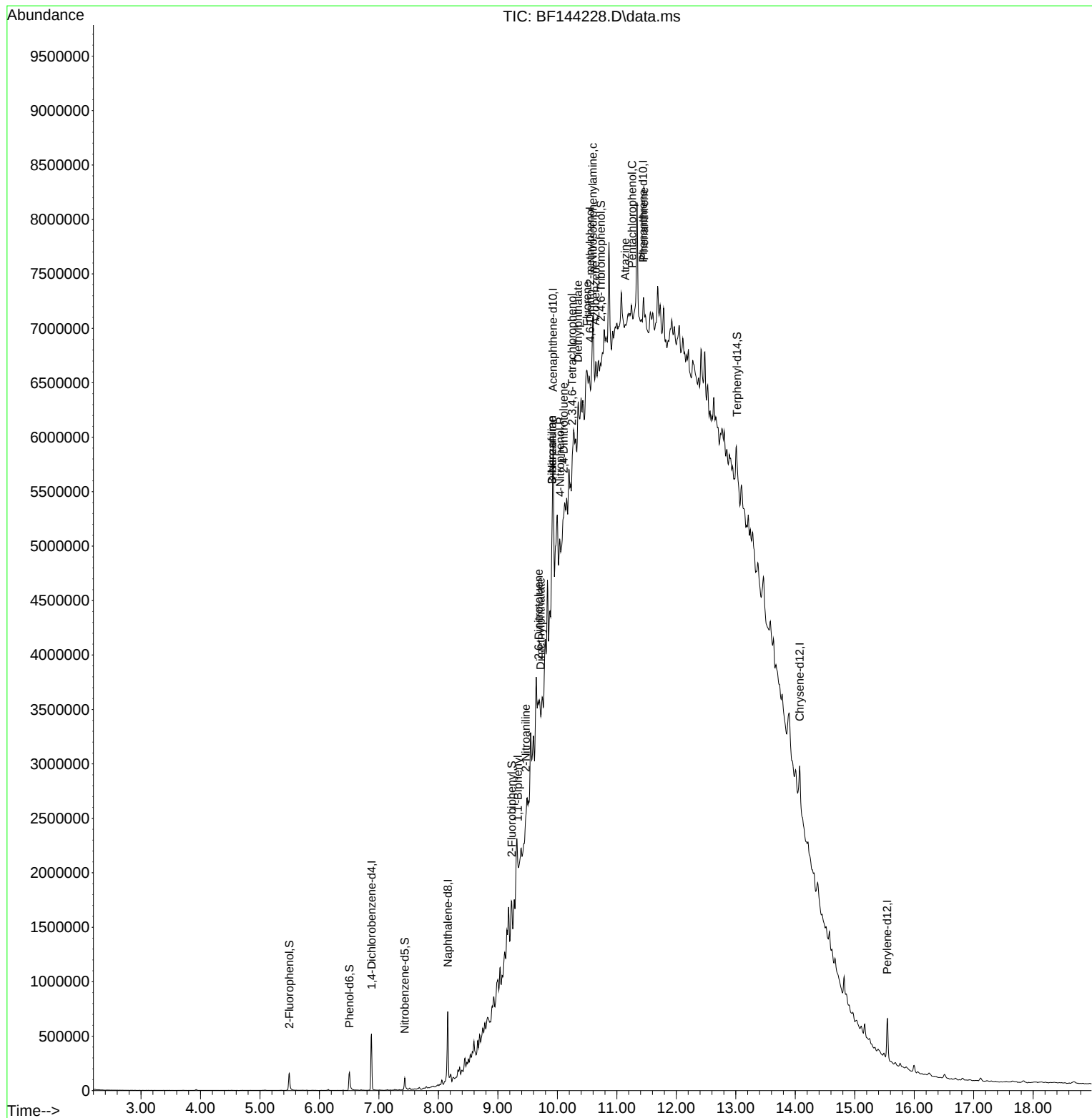
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	112037	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	396457	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	92724	20.000	ng	0.01
64) Phenanthrene-d10	11.439	188	129345	20.000	ng	# 0.04
76) Chrysene-d12	14.074	240	207376	20.000	ng	# 0.02
86) Perylene-d12	15.545	264	217094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	79610	11.120	ng	0.00
7) Phenol-d6	6.504	99	97514	12.021	ng	0.00
23) Nitrobenzene-d5	7.434	82	52800	7.692	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	16875	14.503	ng	0.03
45) 2-Fluorobiphenyl	9.233	172	102520	16.330	ng	0.00
79) Terphenyl-d14	13.021	244	72172	5.528	ng	0.03
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.339	154	44608	6.892	ng	90
48) 2-Nitroaniline	9.469	65	7135	4.479	ng	# 25
50) Dimethylphthalate	9.716	163	24926	4.058	ng	# 14
51) 2,6-Dinitrotoluene	9.686	165	23055	18.540	ng	# 40
53) 3-Nitroaniline	9.910	138	14020	10.314	ng	# 42
55) Dibenzofuran	9.910	168	52254	7.416	ng	99
56) 4-Nitrophenol	10.045	139	5311	5.401	ng	# 1
57) 2,4-Dinitrotoluene	10.104	165	9964	5.986	ng	# 49
58) Fluorene	10.498	166	11789	2.200	ng	# 1
59) 2,3,4,6-Tetrachlorophenol	10.245	232	3510	2.226	ng	# 1
60) Diethylphthalate	10.345	149	19530	3.449	ng	# 32
63) Azobenzene	10.639	77	20838	3.954	ng	# 48
65) 4,6-Dinitro-2-methylph...	10.551	198	1793	2.041	ng	# 1
66) n-Nitrosodiphenylamine	10.598	169	14358	3.451	ng	# 67
69) Atrazine	11.139	200	3280	2.479	ng	# 1
70) Pentachlorophenol	11.257	266	6879	7.104	ng	# 26
71) Phenanthrene	11.457	178	16065	2.495	ng	# 1

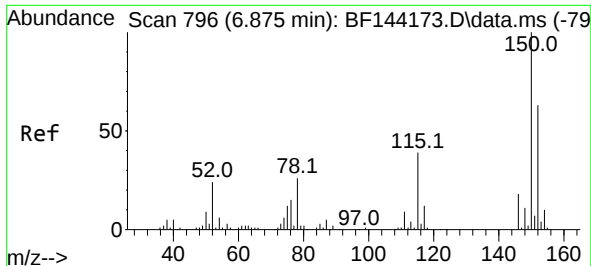
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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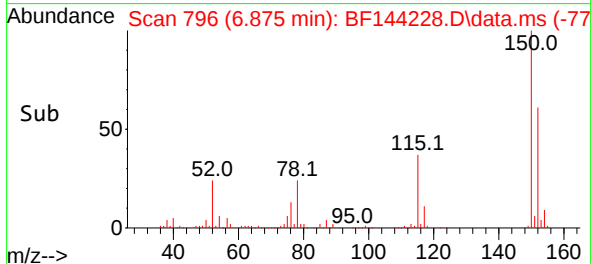
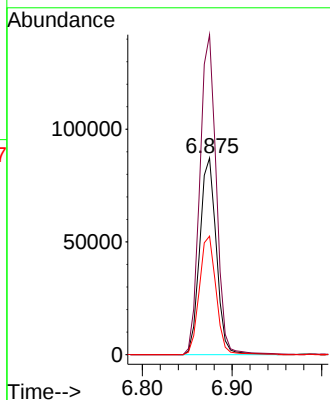
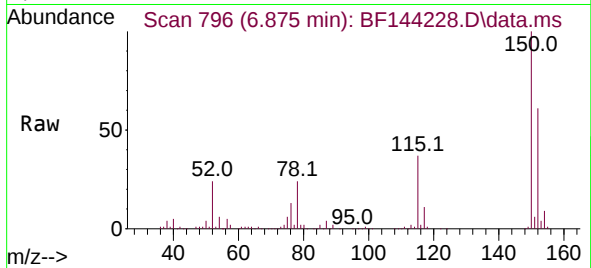




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

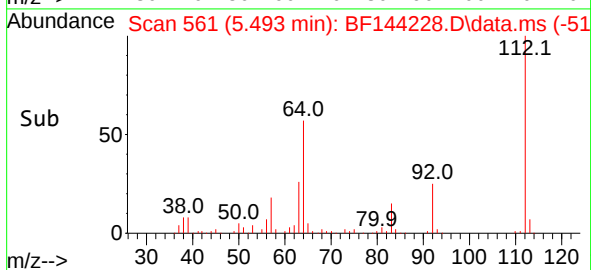
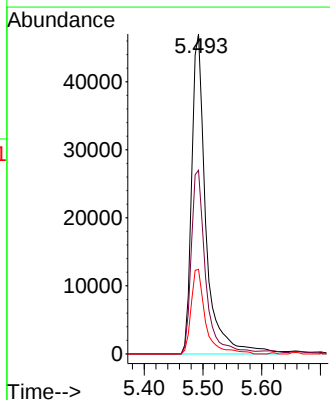
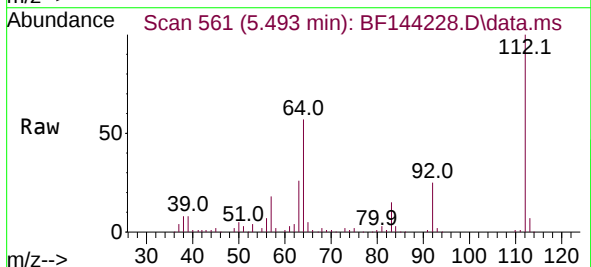
Instrument :
BNA_F
ClientSampleId :
B-LAW-25-0167-0175-COMP

Tgt Ion:152 Resp: 112037
Ion Ratio Lower Upper
152 100
150 162.8 127.4 191.0
115 60.3 49.5 74.3



#5
2-Fluorophenol
Concen: 11.120 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion:112 Resp: 79610
Ion Ratio Lower Upper
112 100
64 57.4 47.2 70.8
63 26.4 24.4 36.6





#7

Phenol-d6

Concen: 12.021 ng

RT: 6.504 min Scan# 733

Delta R.T. 0.006 min

Lab File: BF144228.D

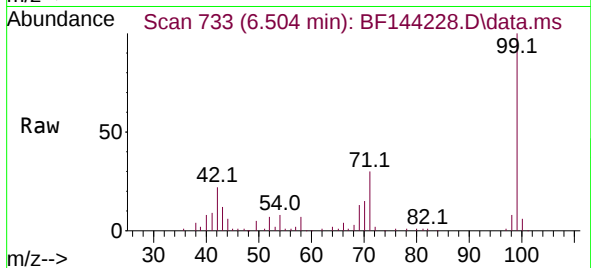
Acq: 12 Nov 2025 03:52

Instrument :

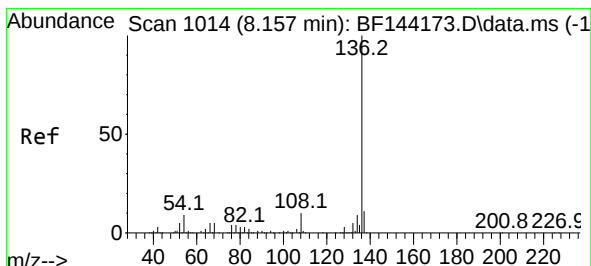
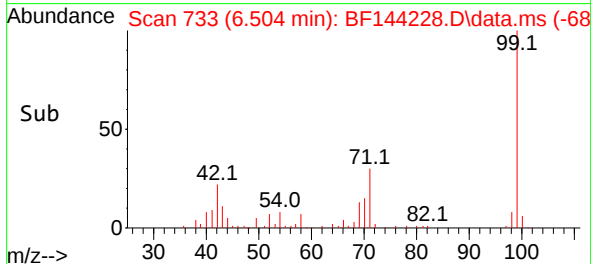
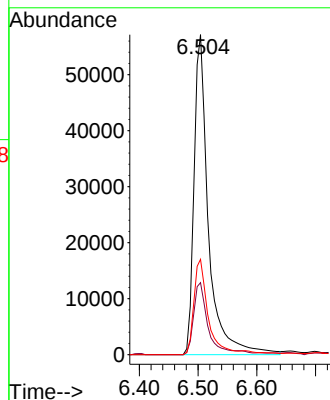
BNA_F

ClientSampleId :

B-LAW-25-0167-0175-COMP



Tgt Ion:	99	Resp:	97514
Ion	Ratio	Lower	Upper
99	100		
42	22.5	20.9	31.3
71	29.8	31.4	47.2#



#21

Naphthalene-d8

Concen: 20.000 ng

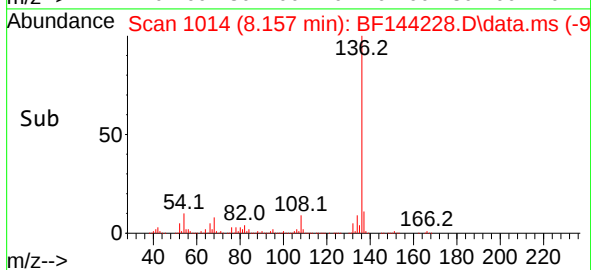
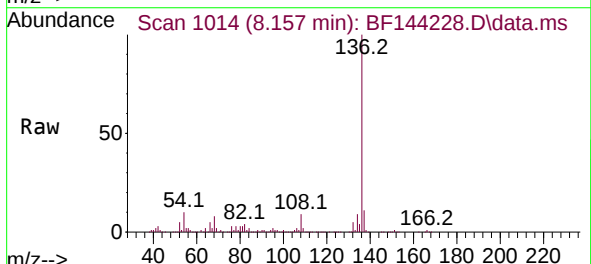
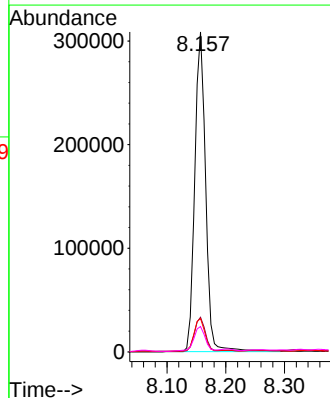
RT: 8.157 min Scan# 1014

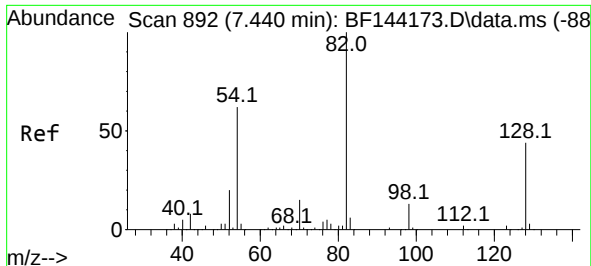
Delta R.T. -0.000 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

Tgt Ion:	136	Resp:	396457
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.4	7.0	10.6
68	8.0	4.3	6.5#





#23

Nitrobenzene-d5

Concen: 7.692 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

Instrument :

BNA_F

ClientSampleId :

B-LAW-25-0167-0175-COMP

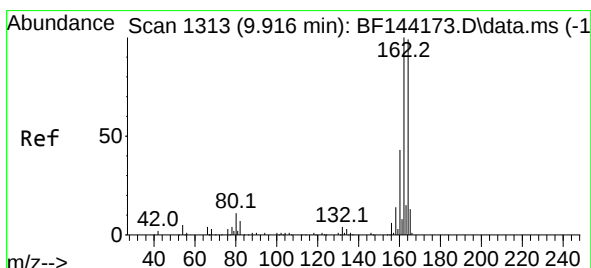
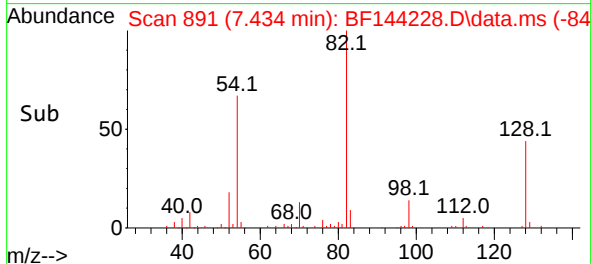
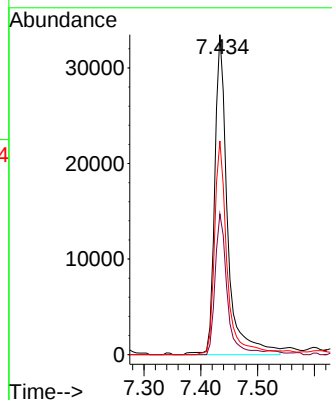
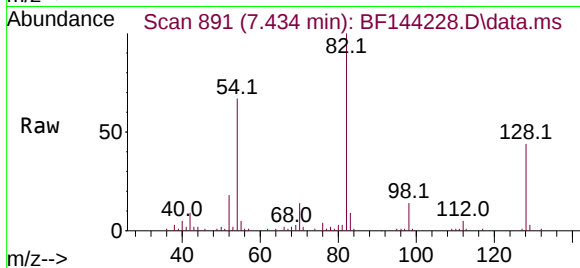
Tgt Ion: 82 Resp: 52800

Ion Ratio Lower Upper

82 100

128 44.0 34.7 52.1

54 66.8 49.5 74.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.012 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

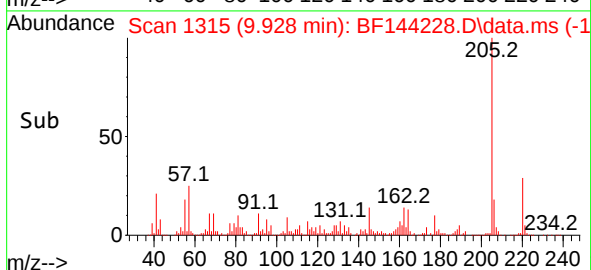
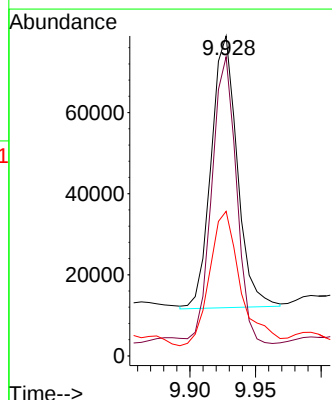
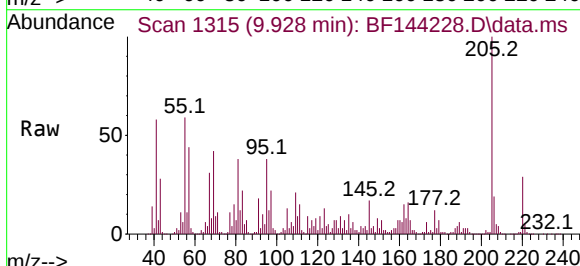
Tgt Ion:164 Resp: 92724

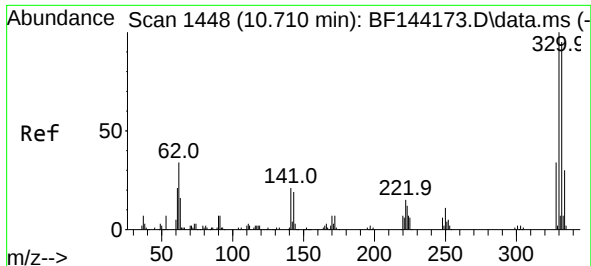
Ion Ratio Lower Upper

164 100

162 93.5 81.1 121.7

160 45.2 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 14.503 ng

RT: 10.733 min Scan# 1448

Delta R.T. 0.029 min

Lab File: BF144228.D

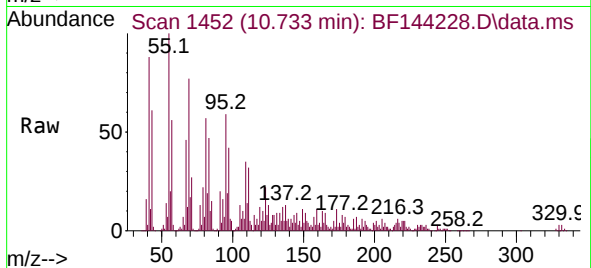
Acq: 12 Nov 2025 03:52

Instrument :

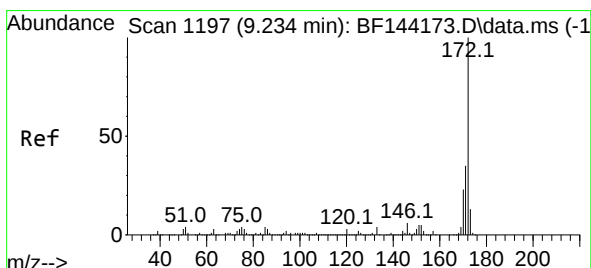
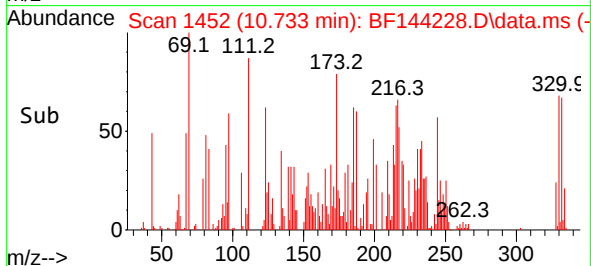
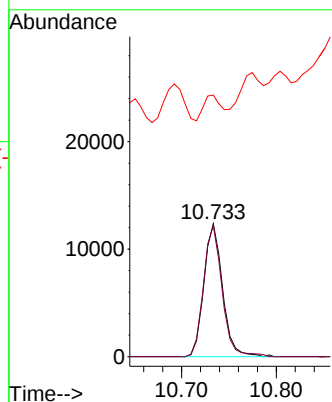
BNA_F

ClientSampleId :

B-LAW-25-0167-0175-COMP



Tgt Ion:	330	Resp:	16875
Ion Ratio	Lower	Upper	
330	100		
332	98.5	76.7	115.1
141	17.6	17.8	26.8



#45

2-Fluorobiphenyl

Concen: 16.330 ng

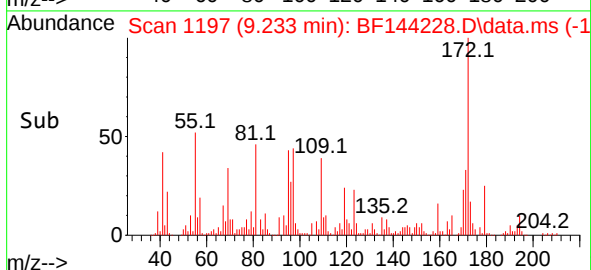
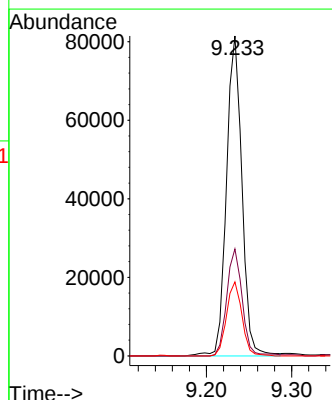
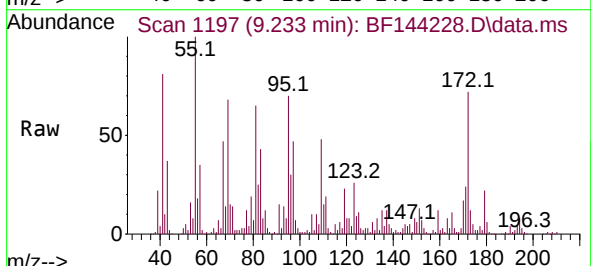
RT: 9.233 min Scan# 1197

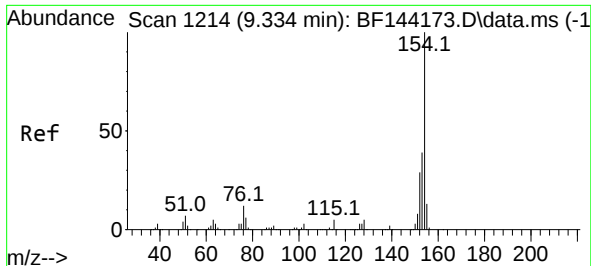
Delta R.T. 0.006 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

Tgt Ion:	172	Resp:	102520
Ion Ratio	Lower	Upper	
172	100		
171	33.4	28.1	42.1
170	23.1	18.6	28.0

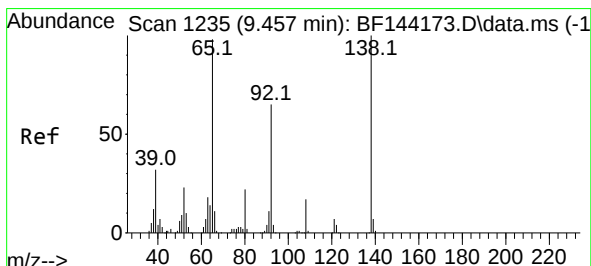
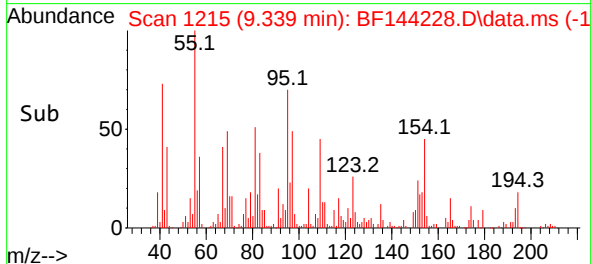
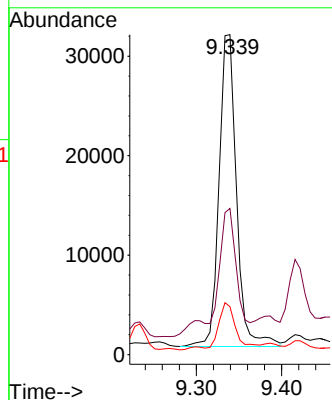
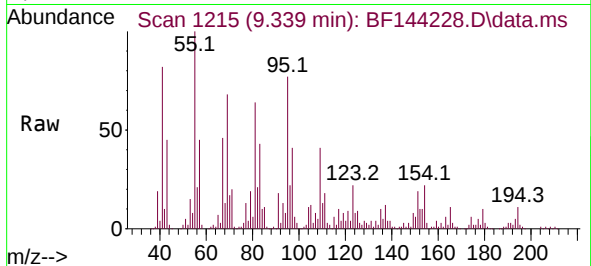




#46
1,1'-Biphenyl
Concen: 6.892 ng
RT: 9.339 min Scan# 1214
Delta R.T. 0.006 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

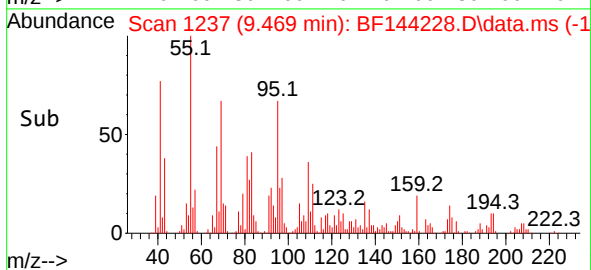
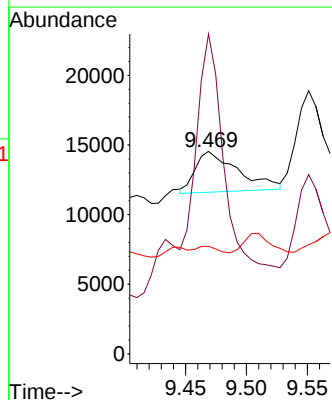
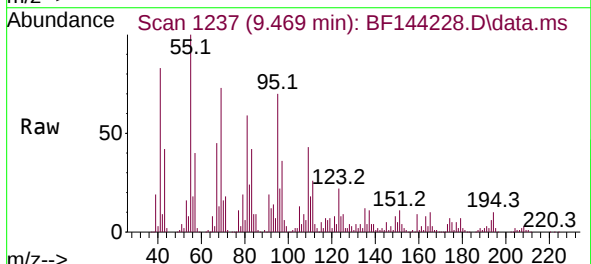
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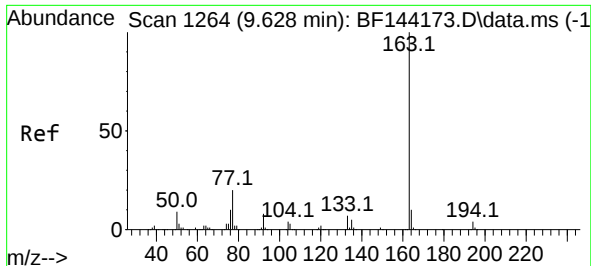
Tgt Ion:154 Resp: 44608
Ion Ratio Lower Upper
154 100
153 45.7 19.2 59.2
76 15.0 0.0 31.8



#48
2-Nitroaniline
Concen: 4.479 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.012 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion: 65 Resp: 7135
Ion Ratio Lower Upper
65 100
92 158.1 53.0 79.6#
138 53.2 81.6 122.4#

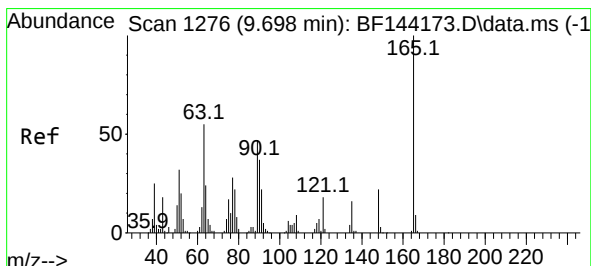
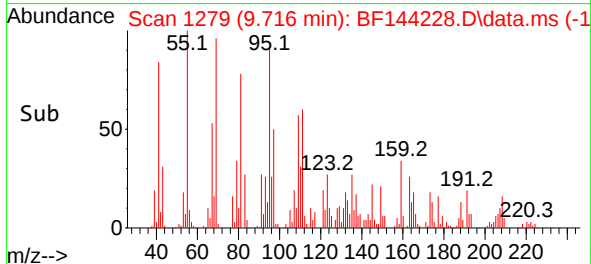
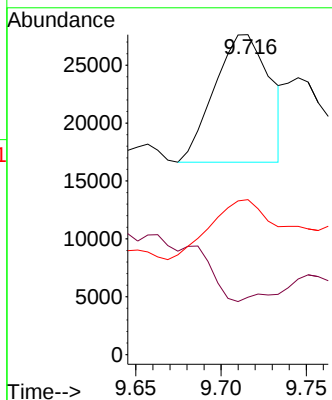
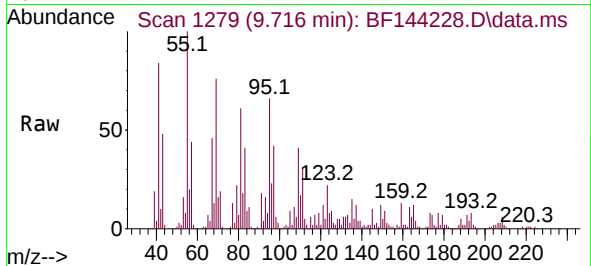




#50
Dimethylphthalate
Concen: 4.058 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.088 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

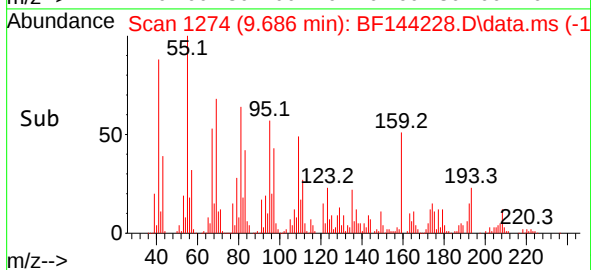
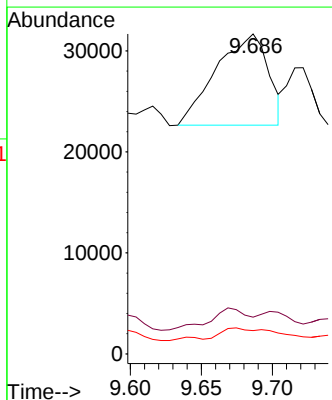
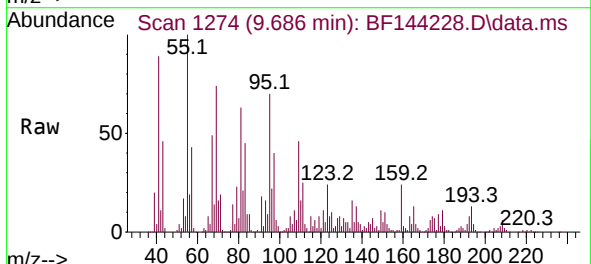
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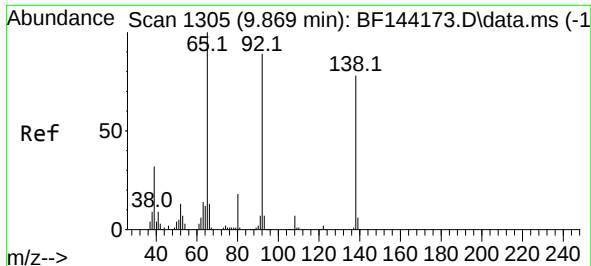
Tgt Ion:163 Resp: 24926
Ion Ratio Lower Upper
163 100
194 17.9 3.3 4.9#
164 48.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 18.540 ng
RT: 9.686 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion:165 Resp: 23055
Ion Ratio Lower Upper
165 100
63 11.5 43.8 65.8#
89 7.3 37.5 56.3#

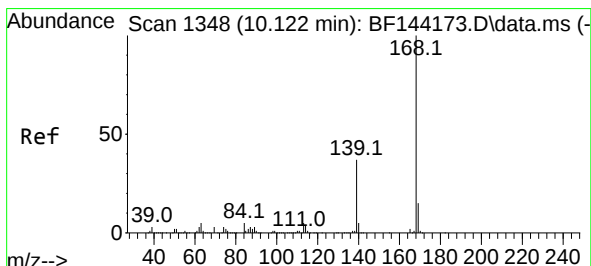
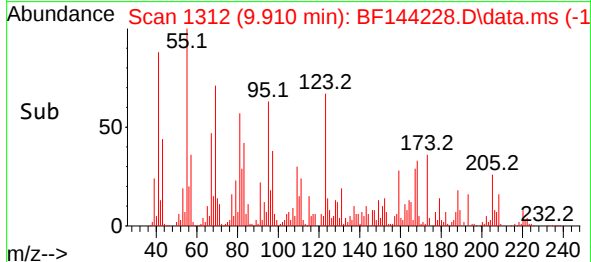
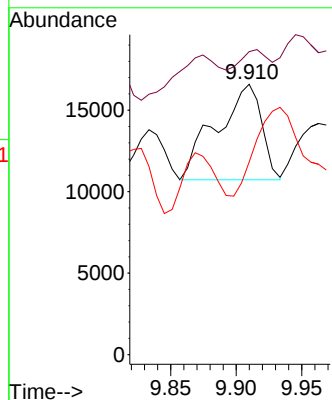
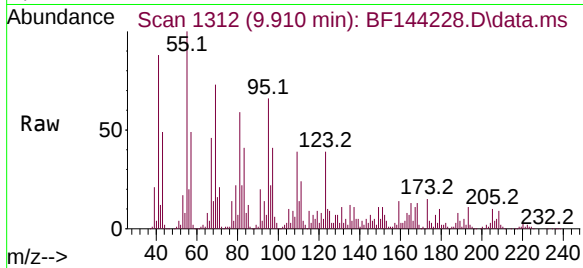




#53
3-Nitroaniline
Concen: 10.314 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.041 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

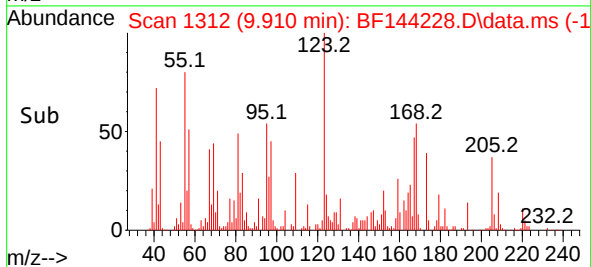
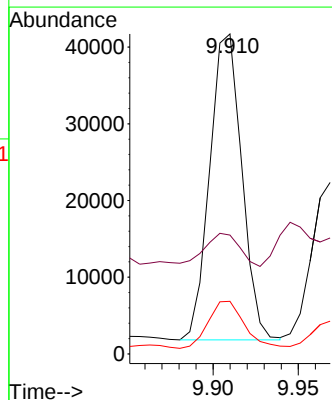
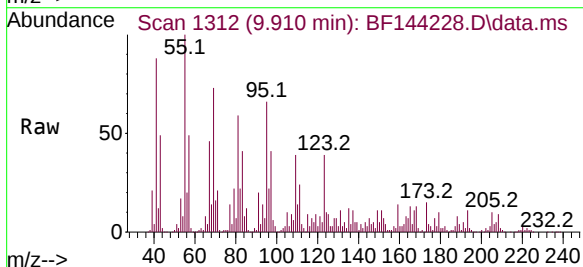
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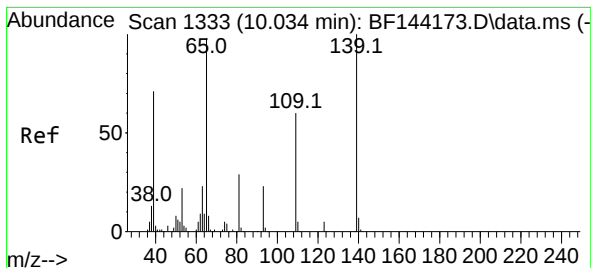
Tgt Ion:138 Resp: 14020
Ion Ratio Lower Upper
138 100
108 112.1 7.5 11.3#
92 71.2 91.8 137.6#



#55
Dibenzofuran
Concen: 7.416 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.206 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion:168 Resp: 52254
Ion Ratio Lower Upper
168 100
139 37.1 30.2 45.2
169 16.4 12.2 18.4

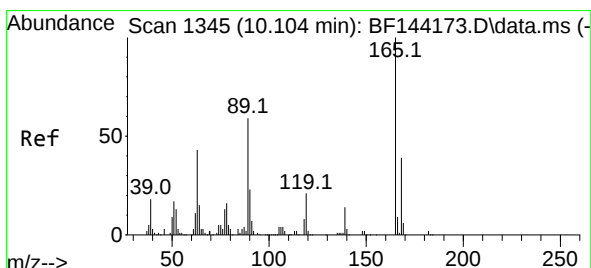
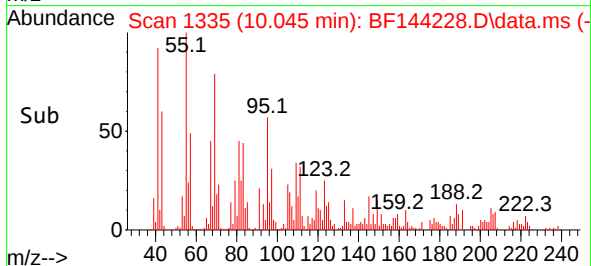
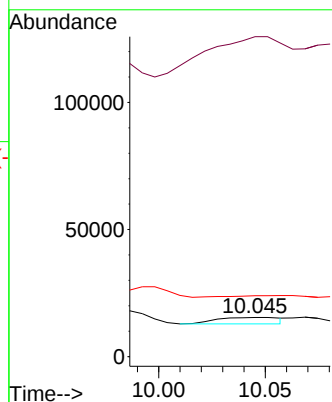
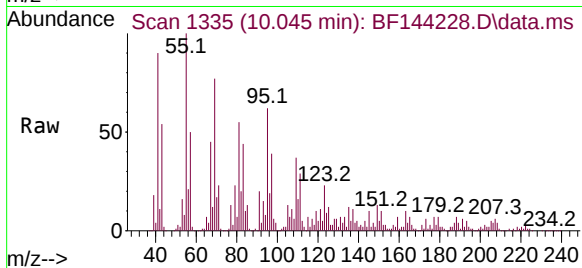




#56
4-Nitrophenol
Concen: 5.401 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

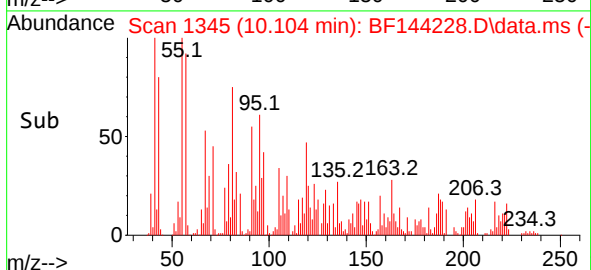
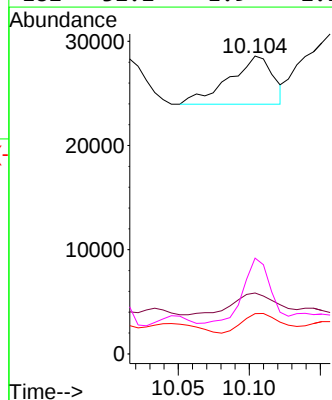
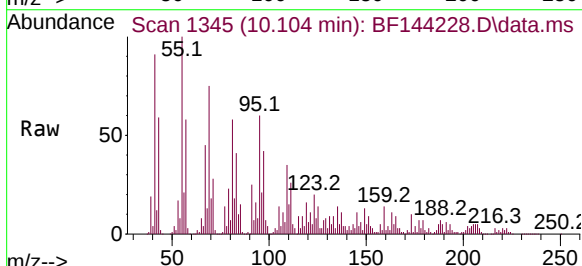
Instrument :
BNA_F
ClientSampleId :
B-LAW-25-0167-0175-COMP

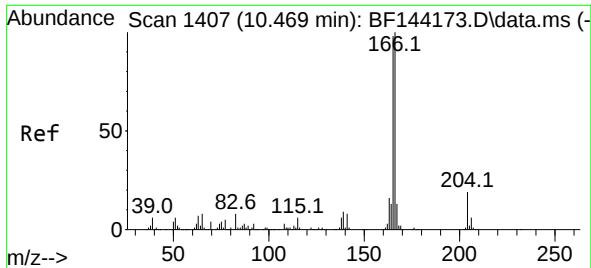
Tgt Ion:139 Resp: 5311
Ion Ratio Lower Upper
139 100
109 817.5 39.9 79.9#
65 155.8 79.5 119.5#



#57
2,4-Dinitrotoluene
Concen: 5.986 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.006 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion:165 Resp: 9964
Ion Ratio Lower Upper
165 100
63 20.4 35.5 53.3#
89 13.5 47.4 71.2#
182 32.2 1.9 2.9#

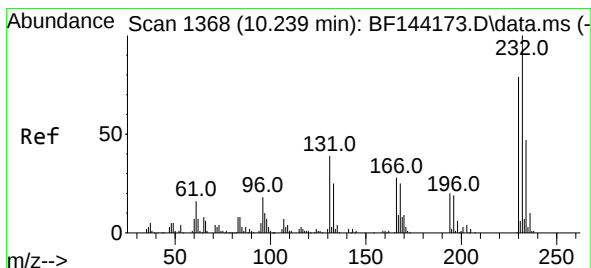
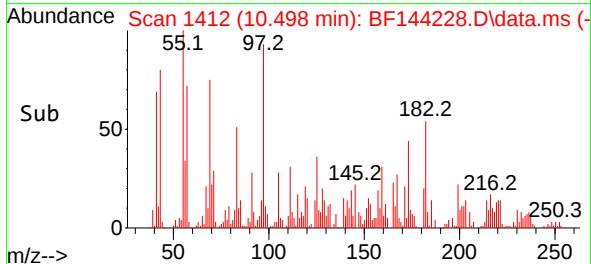
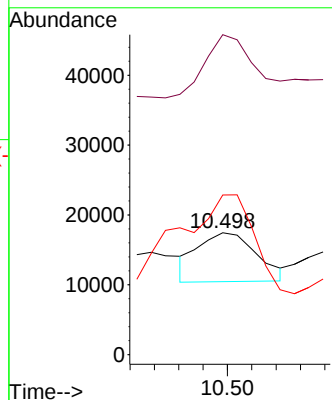
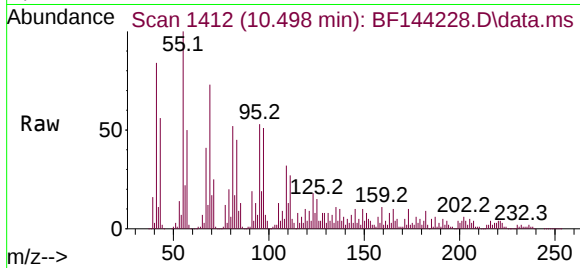




#58
Fluorene
Concen: 2.200 ng
RT: 10.498 min Scan# 1407
Delta R.T. 0.035 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

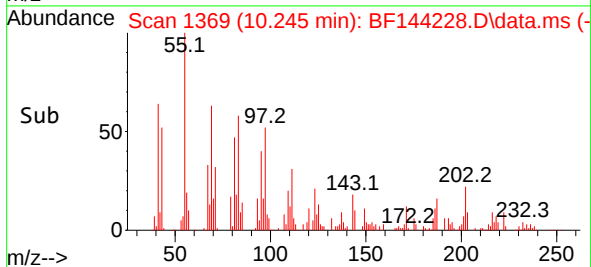
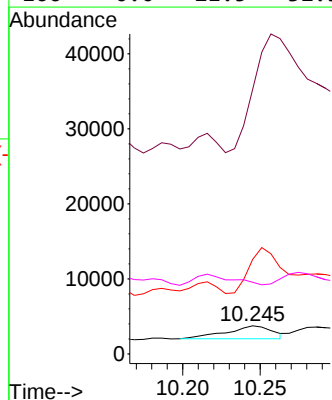
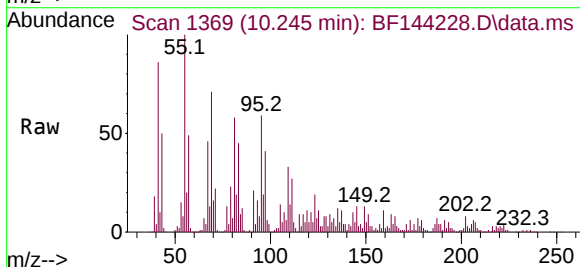
Instrument :
BNA_F
ClientSampleId :
B-LAW-25-0167-0175-COMP

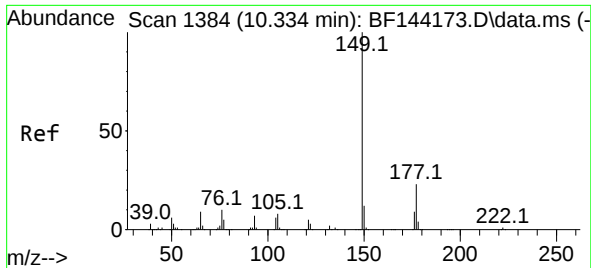
Tgt Ion:166 Resp: 11789
Ion Ratio Lower Upper
166 100
165 262.5 78.6 118.0#
167 131.0 10.4 15.6#



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.226 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion:232 Resp: 3510
Ion Ratio Lower Upper
232 100
131 1179.9 30.3 45.5#
130 264.7 1.2 1.8#
166 0.0 21.5 32.3#

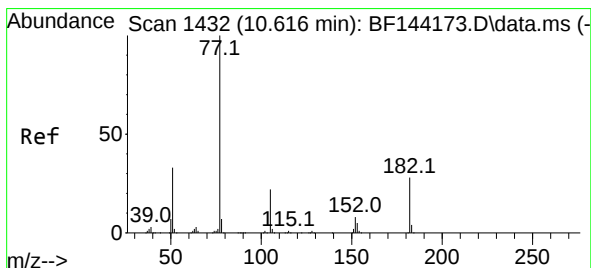
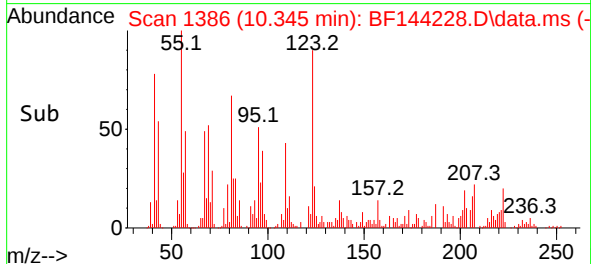
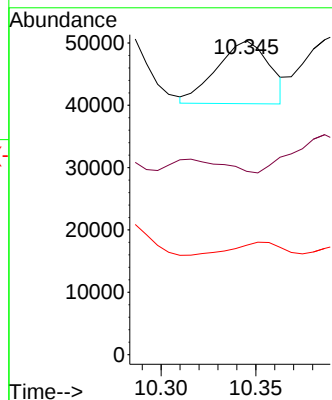
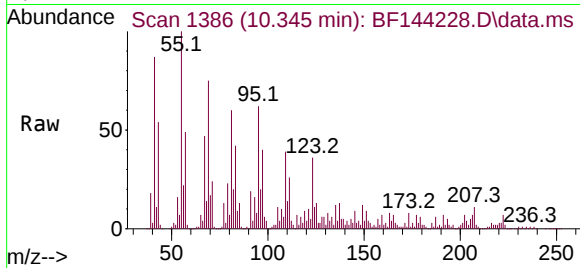




#60
Diethylphthalate
Concen: 3.449 ng
RT: 10.345 min Scan# 1384
Delta R.T. 0.018 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

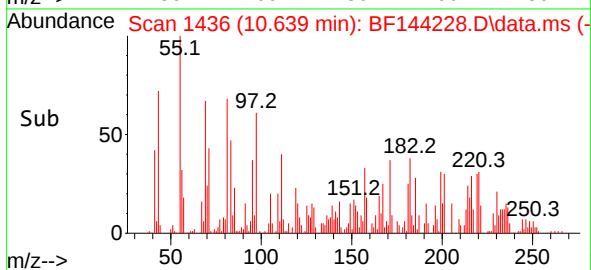
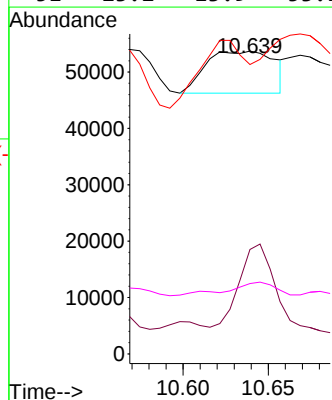
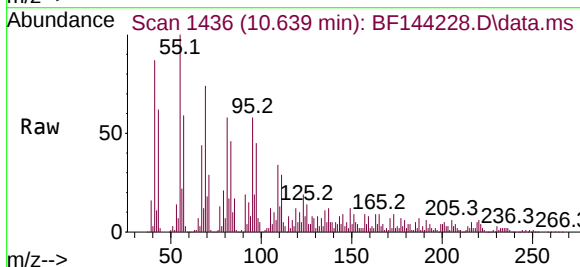
Instrument :
BNA_F
ClientSampleId :
B-LAW-25-0167-0175-COMP

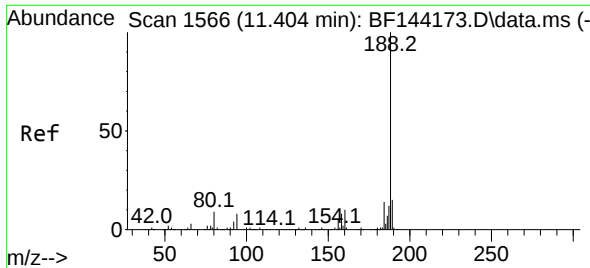
Tgt Ion:149 Resp: 19530
Ion Ratio Lower Upper
149 100
177 58.4 18.3 27.5#
150 34.8 9.8 14.6#



#63
Azobenzene
Concen: 3.954 ng
RT: 10.639 min Scan# 1436
Delta R.T. 0.023 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion: 77 Resp: 20838
Ion Ratio Lower Upper
77 100
182 34.5 8.1 48.1
105 95.6 2.0 42.0#
51 23.2 13.9 53.9

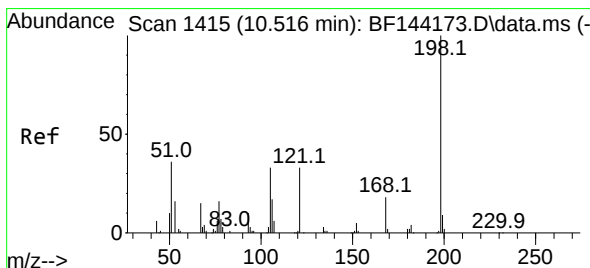
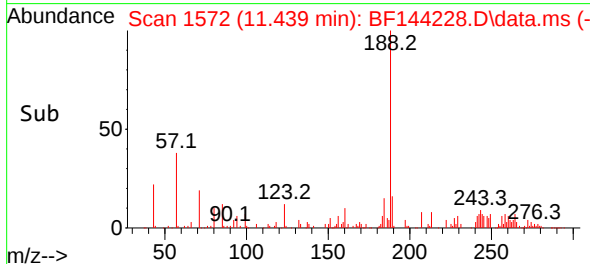
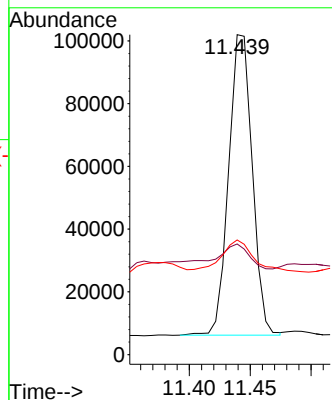
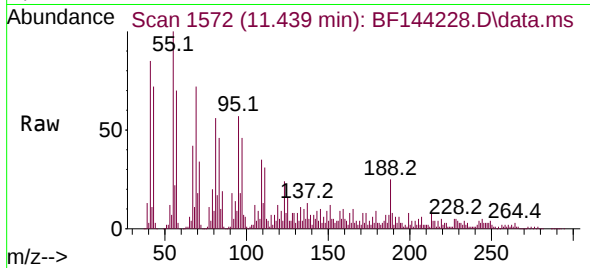




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

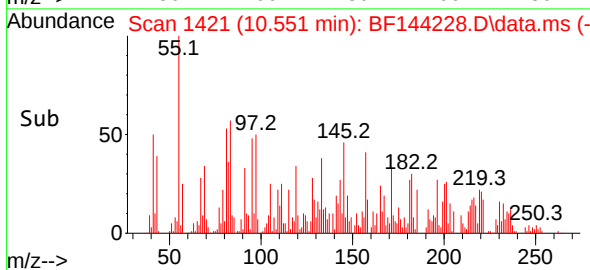
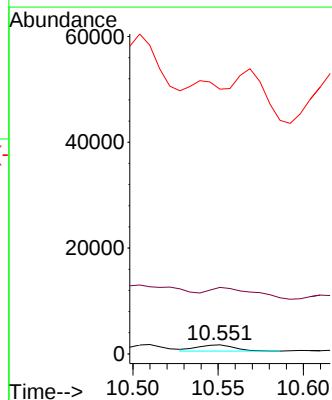
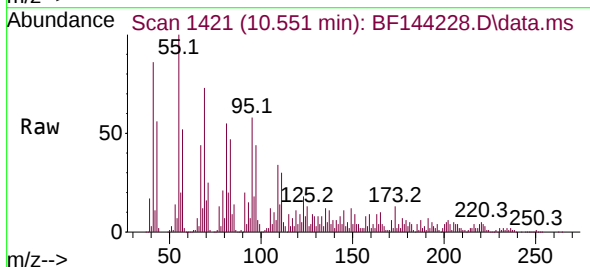
Instrument :
BNA_F
ClientSampleId :
B-LAW-25-0167-0175-COMP

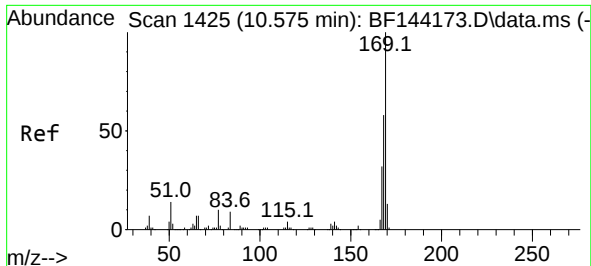
Tgt Ion:188 Resp: 129345
Ion Ratio Lower Upper
188 100
94 34.6 6.2 9.2#
80 35.8 6.9 10.3#



#65
4,6-Dinitro-2-methylphenol
Concen: 2.041 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.029 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion:198 Resp: 1793
Ion Ratio Lower Upper
198 100
51 735.9 25.6 65.6#
105 2932.7 14.6 54.6#

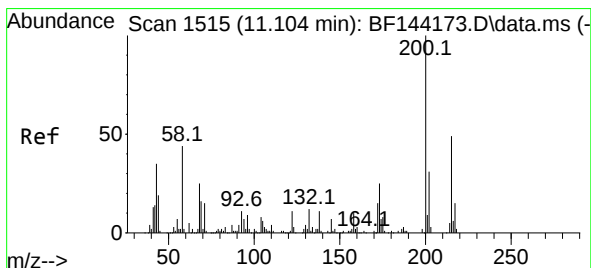
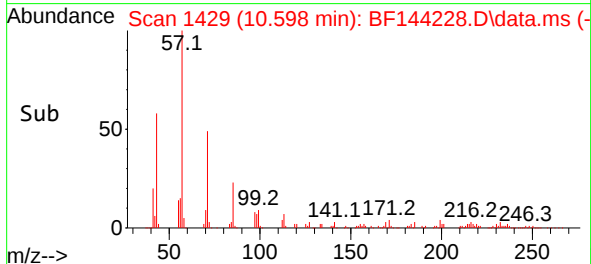
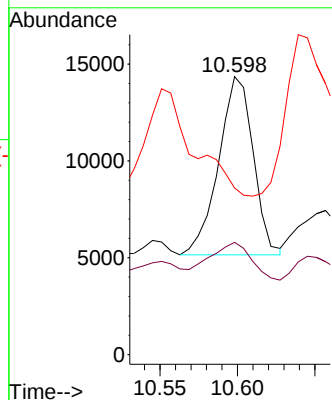
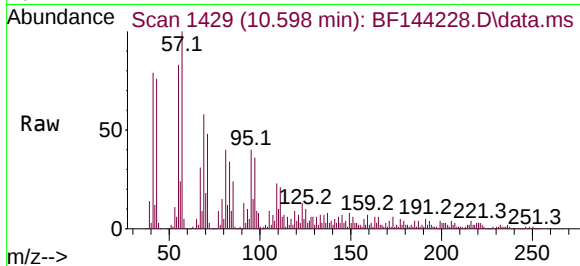




#66
n-Nitrosodiphenylamine
Concen: 3.451 ng
RT: 10.598 min Scan# 1429
Delta R.T. 0.029 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

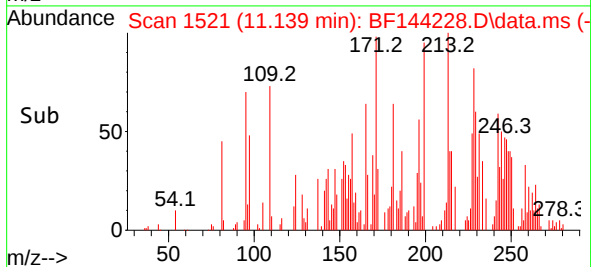
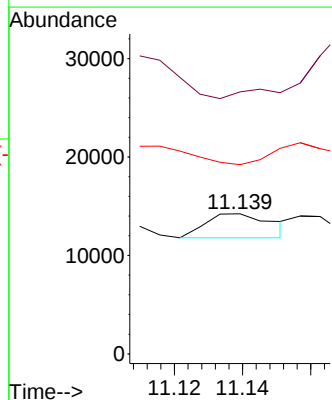
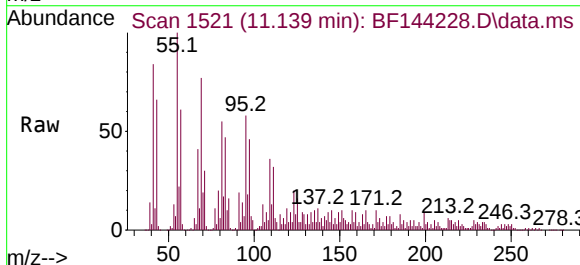
Instrument :
BNA_F
ClientSampleId :
B-LAW-25-0167-0175-COMP

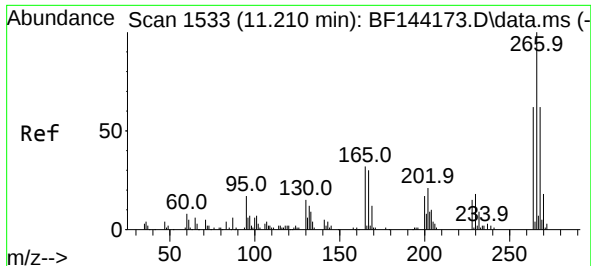
Tgt Ion:169 Resp: 14358
Ion Ratio Lower Upper
169 100
168 40.4 46.2 69.2#
167 60.0 25.7 38.5#



#69
Atrazine
Concen: 2.479 ng
RT: 11.139 min Scan# 1521
Delta R.T. 0.041 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion:200 Resp: 3280
Ion Ratio Lower Upper
200 100
173 187.1 5.0 45.0#
215 135.2 28.7 68.7#

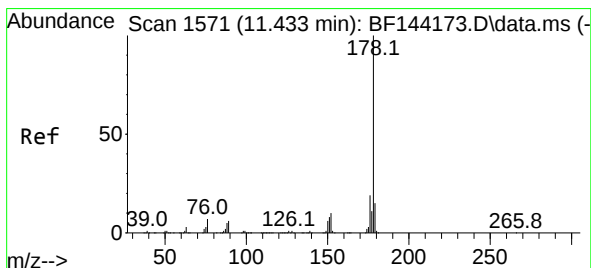
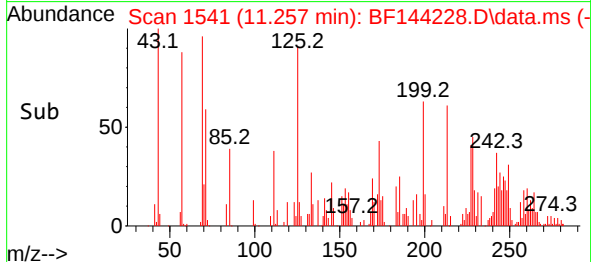
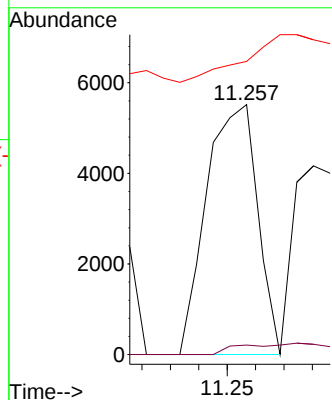
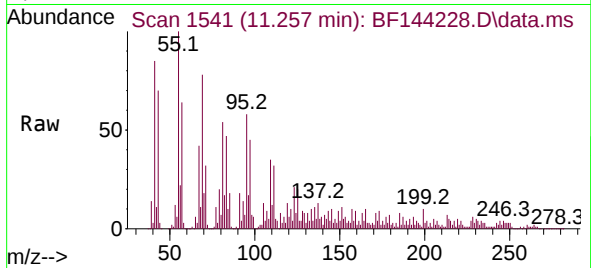




#70
 Pentachlorophenol
 Concen: 7.104 ng
 RT: 11.257 min Scan# 1533
 Delta R.T. 0.041 min
 Lab File: BF144228.D
 Acq: 12 Nov 2025 03:52

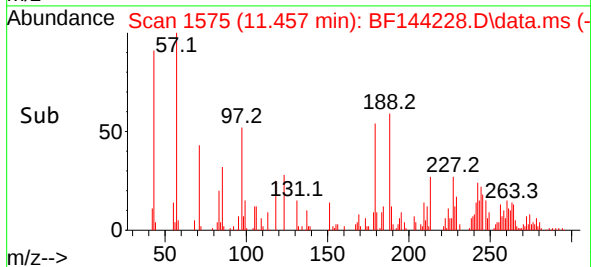
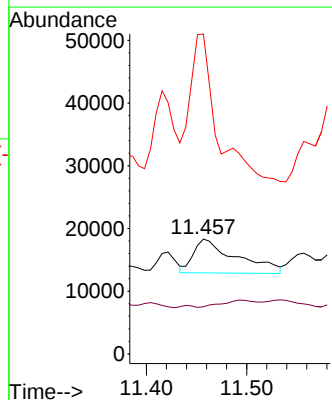
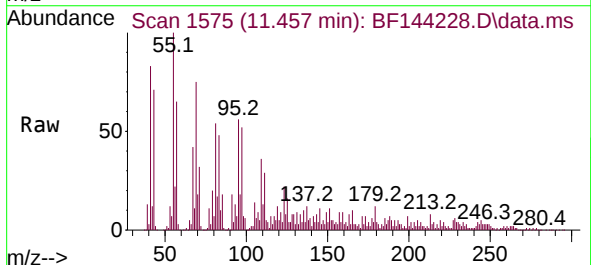
Instrument :
 BNA_F
 ClientSampleId :
 B-LAW-25-0167-0175-COMP

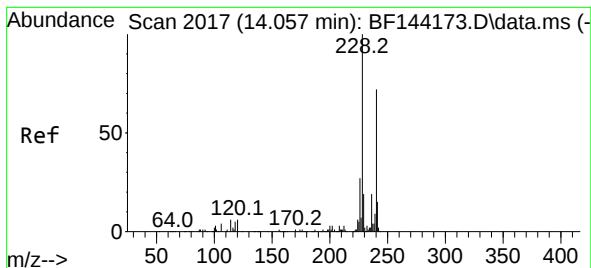
Tgt Ion:266 Resp: 6879
 Ion Ratio Lower Upper
 266 100
 268 3.8 49.5 74.3#
 264 117.3 49.4 74.2#



#71
 Phenanthrene
 Concen: 2.495 ng
 RT: 11.457 min Scan# 1575
 Delta R.T. 0.029 min
 Lab File: BF144228.D
 Acq: 12 Nov 2025 03:52

Tgt Ion:178 Resp: 16065
 Ion Ratio Lower Upper
 178 100
 176 41.1 15.5 23.3#
 179 278.8 12.2 18.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

Instrument :

BNA_F

ClientSampleId :

B-LAW-25-0167-0175-COMP

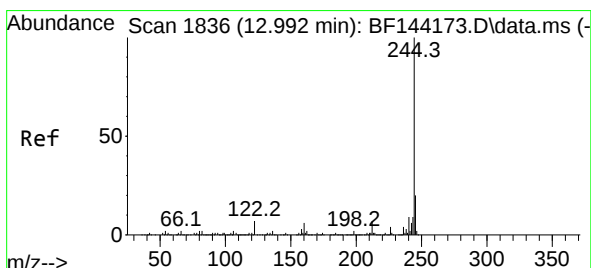
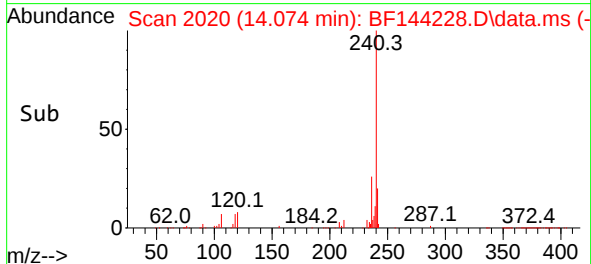
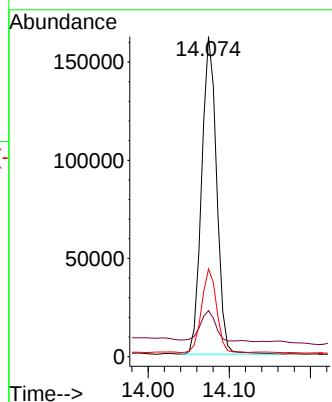
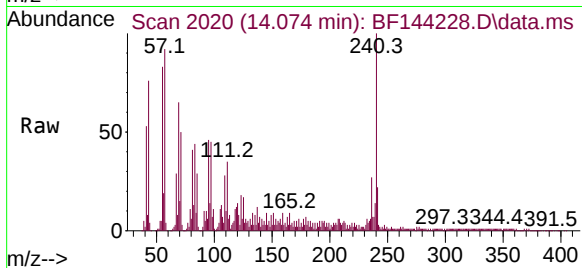
Tgt Ion:240 Resp: 207376

Ion Ratio Lower Upper

240 100

120 14.4 6.6 10.0#

236 27.4 21.4 32.2



#79

Terphenyl-d14

Concen: 5.528 ng

RT: 13.021 min Scan# 1841

Delta R.T. 0.029 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

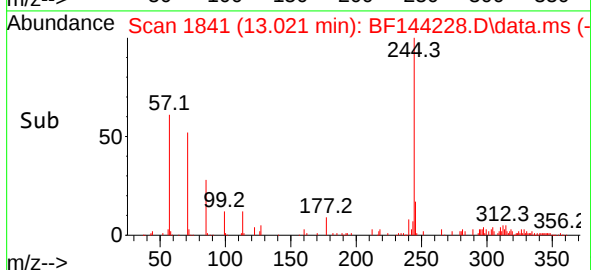
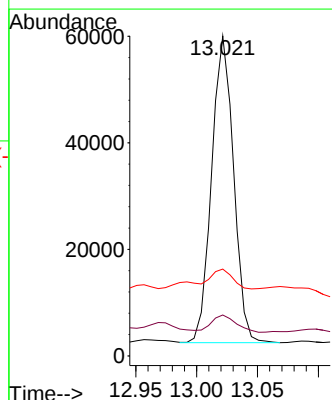
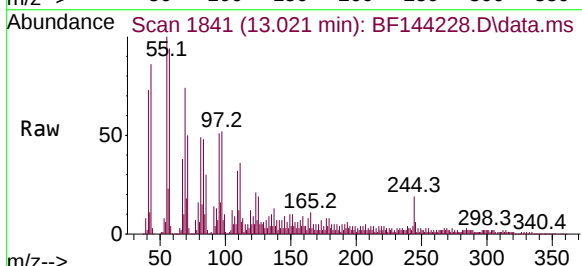
Tgt Ion:244 Resp: 72172

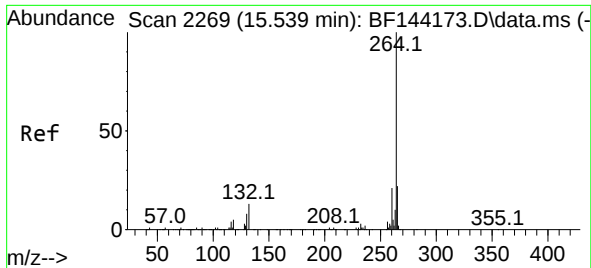
Ion Ratio Lower Upper

244 100

212 12.8 5.3 7.9#

122 27.1 5.6 8.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF144228.D
 Acq: 12 Nov 2025 03:52

Instrument :
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 ClientSampleId :
 B-LAW-25-0167-0175-COMP

Tgt Ion:264	Resp:	217094
Ion	Ratio	Lower Upper
264	100	
260	21.6	17.1 25.7
265	22.2	17.4 26.0

