

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142827.D
 Acq On : 24 Jun 2025 19:05
 Operator : RC/JU
 Sample : Q2398-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0036

Quant Time: Jun 25 01:29:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

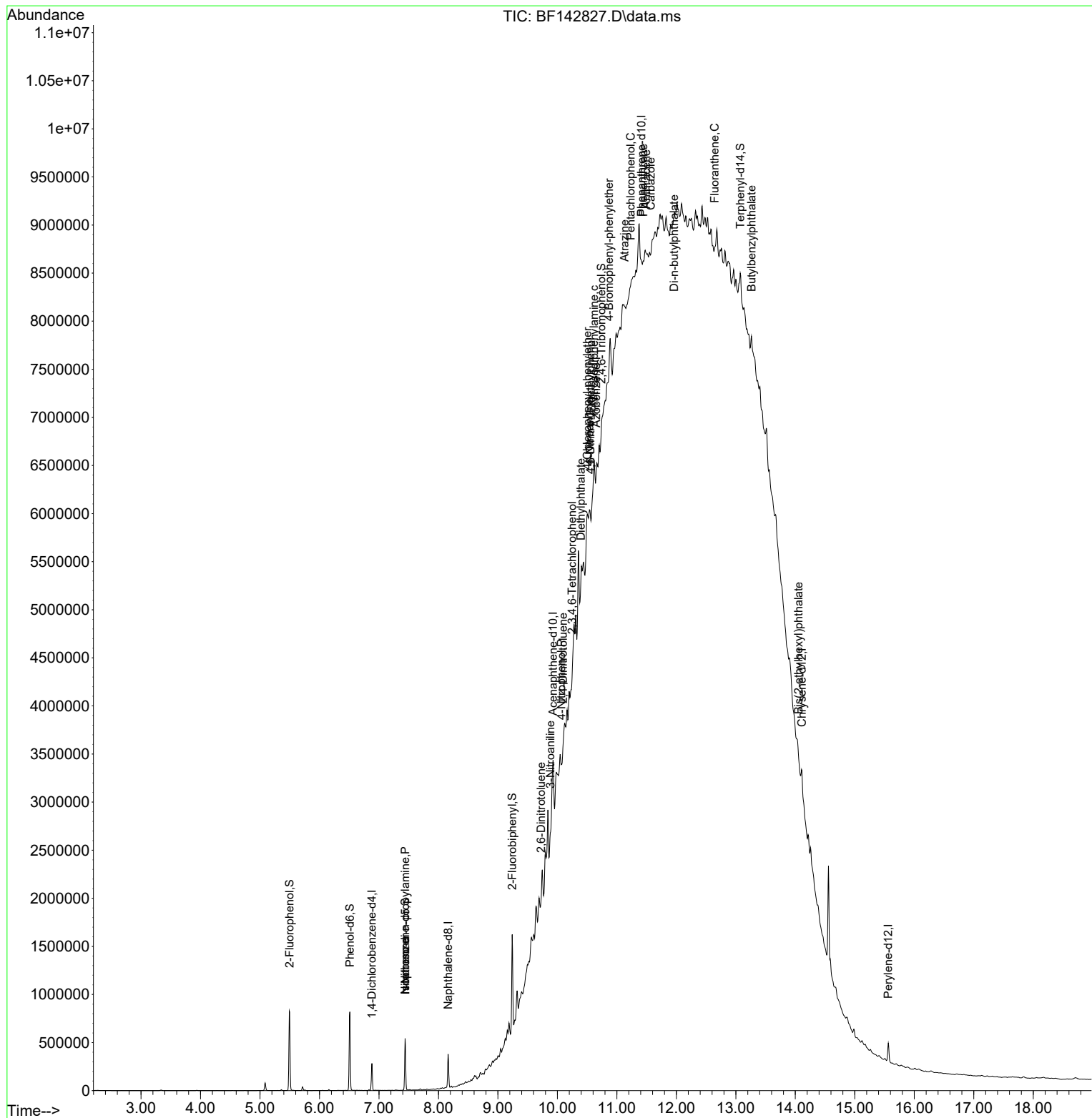
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	61043	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	216854	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	100383	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	5832	20.000	ng	# 0.00
76) Chrysene-d12	14.110	240	118394	20.000	ng	# 0.05
86) Perylene-d12	15.562	264	106277	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	327479	89.319	ng	0.00
7) Phenol-d6	6.510	99	373343	86.309	ng	0.00
23) Nitrobenzene-d5	7.439	82	219484	55.516	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	101904	98.648	ng	0.02
45) 2-Fluorobiphenyl	9.239	172	437199	57.214	ng	0.00
79) Terphenyl-d14	13.074	244	354359	41.355	ng	0.08
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	29708	11.809	ng	# 78
25) Isophorone	7.439	82	219482	34.607	ng	# 62
51) 2,6-Dinitrotoluene	9.727	165	5349	3.748	ng	# 36
53) 3-Nitroaniline	9.880	138	6640	4.226	ng	# 29
56) 4-Nitrophenol	10.069	139	5348	4.972	ng	# 1
57) 2,4-Dinitrotoluene	10.092	165	4430	2.337	ng	# 43
59) 2,3,4,6-Tetrachlorophenol	10.245	232	14258	8.706	ng	# 1
60) Diethylphthalate	10.392	149	42172	6.619	ng	# 5
61) 4-Chlorophenyl-phenyle...	10.504	204	13262	4.152	ng	# 1
62) 4-Nitroaniline	10.539	138	7256	5.050	ng	# 1
63) Azobenzene	10.651	77	30148	5.295	ng	# 38
65) 4,6-Dinitro-2-methylph...	10.557	198	1579	44.762	ng	# 1
66) n-Nitrosodiphenylamine	10.616	169	32100	158.814	ng	# 65
67) 4-Bromophenyl-phenylether	10.869	248	4754	71.625	ng	# 1
69) Atrazine	11.127	200	4729	90.603	ng	# 1
70) Pentachlorophenol	11.233	266	1047	28.489	ng	# 1
71) Phenanthrene	11.445	178	2861	9.056	ng	# 1
72) Anthracene	11.492	178	19595	60.478	ng	# 1
73) Carbazole	11.569	167	46360	165.807	ng	# 1
74) Di-n-butylphthalate	11.963	149	8434	28.955	ng	# 18
75) Fluoranthene	12.645	202	4503	15.019	ng	# 1
80) Butylbenzylphthalate	13.263	149	20184	6.270	ng	# 34
84) Bis(2-ethylhexyl)phtha...	14.057	149	35922	7.756	ng	# 49

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

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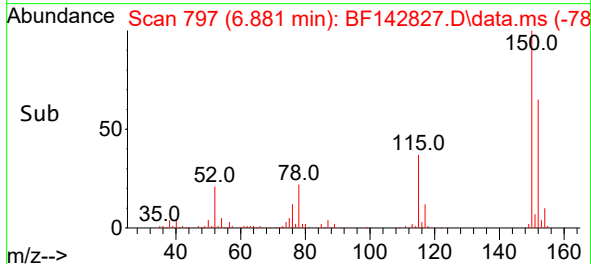
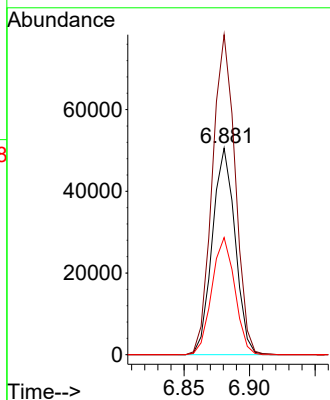
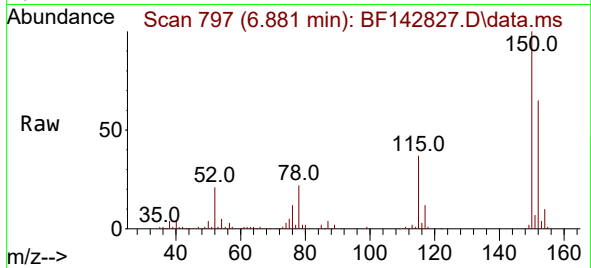




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

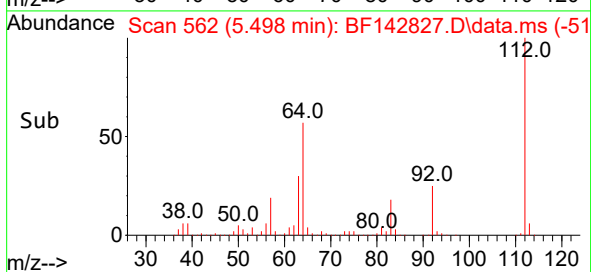
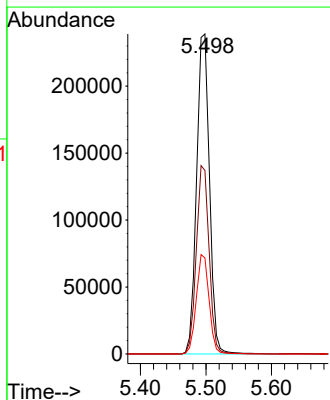
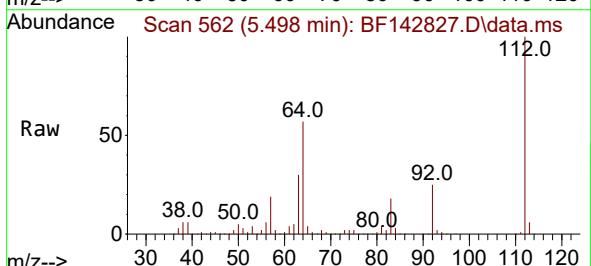
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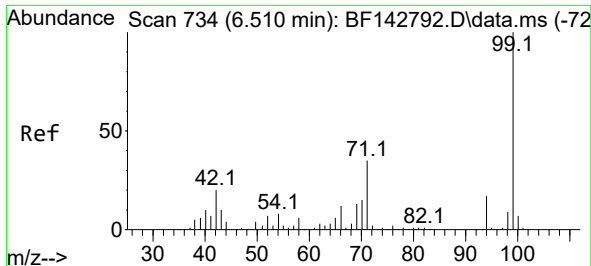
Tgt Ion:152 Resp: 61043
 Ion Ratio Lower Upper
 152 100
 150 154.9 127.2 190.8
 115 56.7 46.6 69.8



#5
 2-Fluorophenol
 Concen: 89.319 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

Tgt Ion:112 Resp: 327479
 Ion Ratio Lower Upper
 112 100
 64 57.3 48.2 72.2
 63 30.0 25.7 38.5

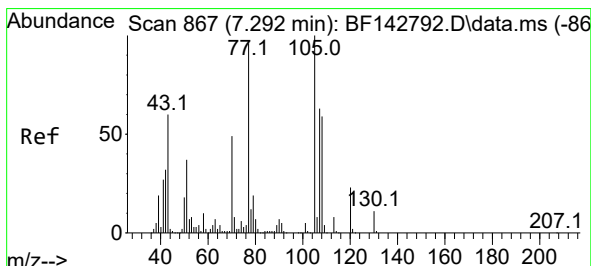
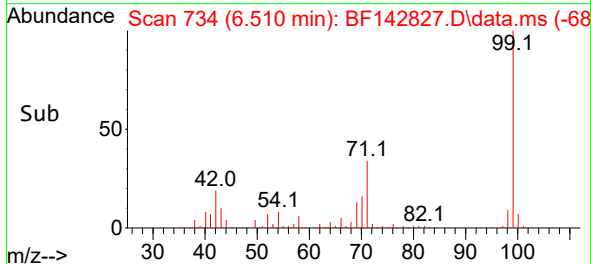
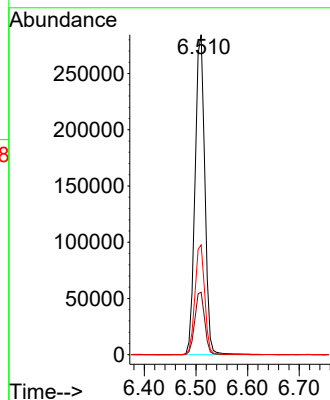
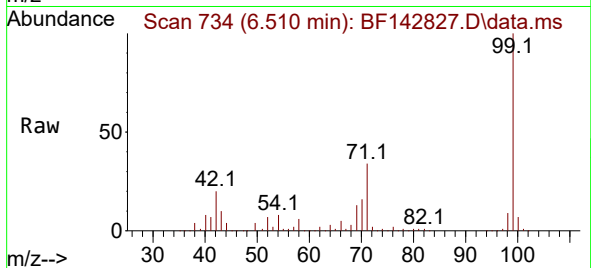




#7
Phenol-d6
Concen: 86.309 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

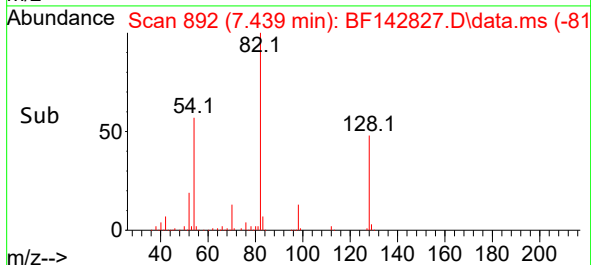
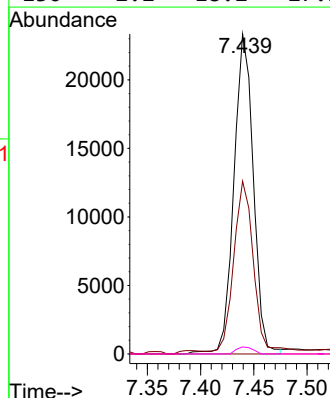
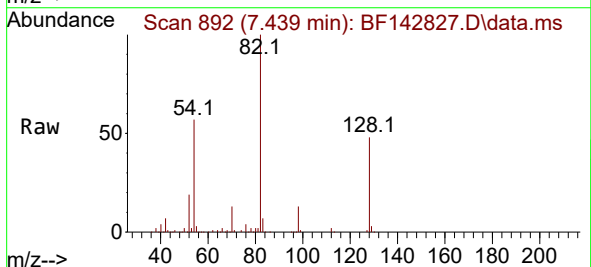
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 373343
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.809 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion: 70 Resp: 29708
Ion Ratio Lower Upper
70 100
42 54.0 52.1 78.1
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

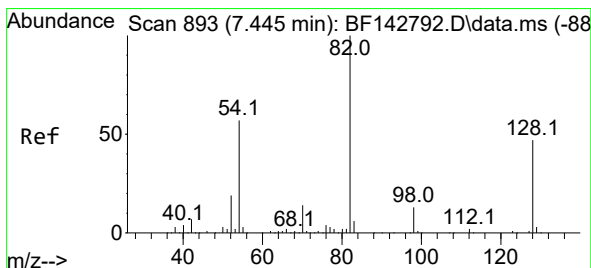
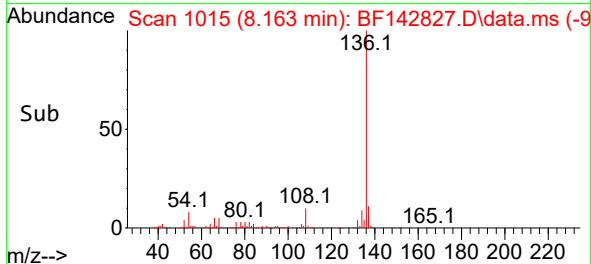
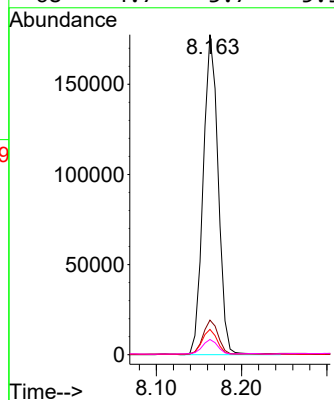
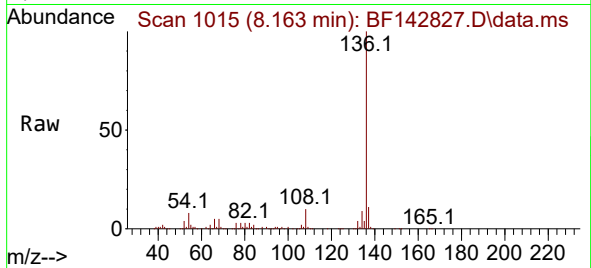




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

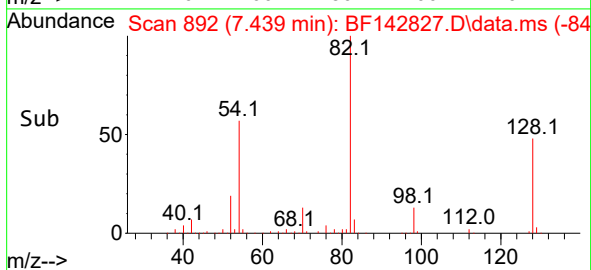
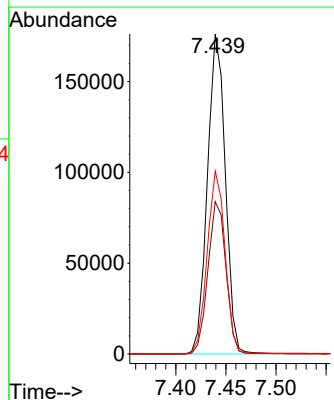
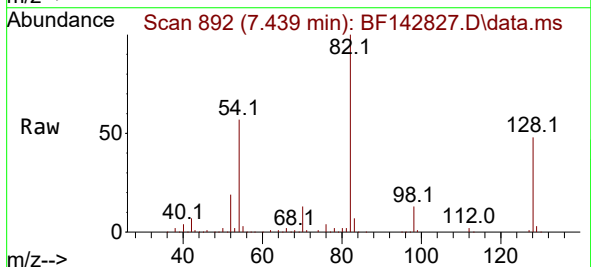
Instrument :
BNA_F
ClientSampleId :
ARS20-0036

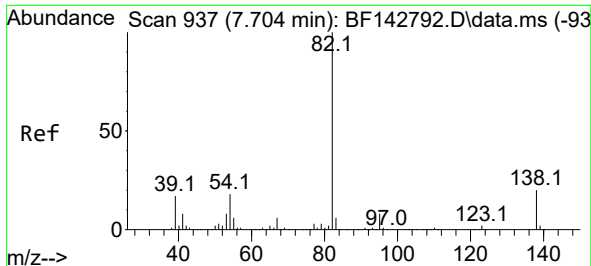
Tgt Ion:136 Resp: 216854
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.9 6.3 9.5
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 55.516 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion: 82 Resp: 219484
Ion Ratio Lower Upper
82 100
128 47.6 37.7 56.5
54 57.1 45.7 68.5

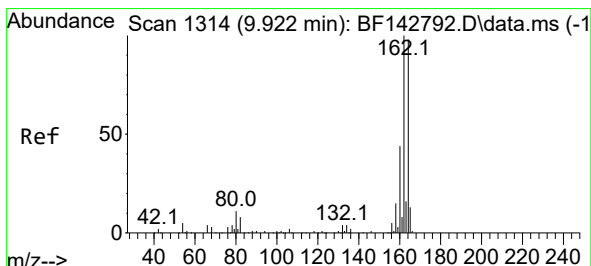
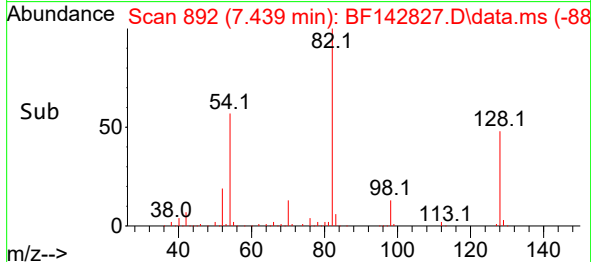
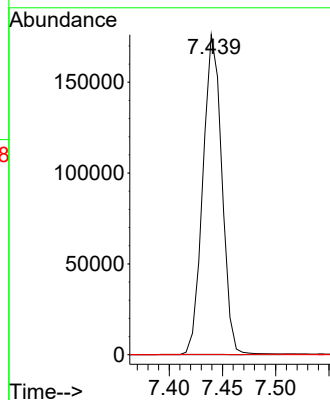
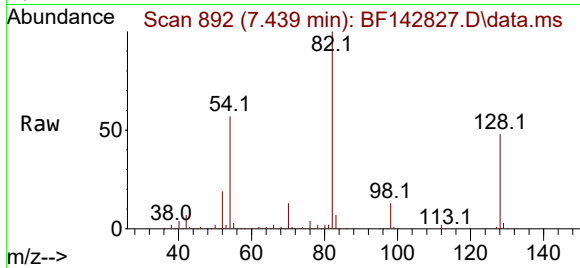




#25
Isophorone
Concen: 34.607 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

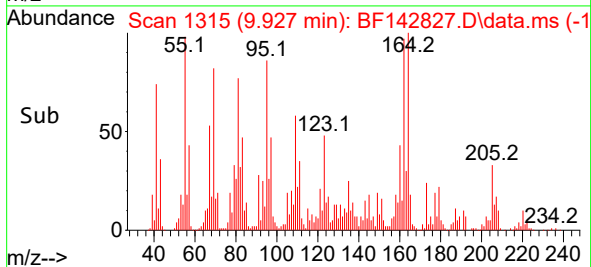
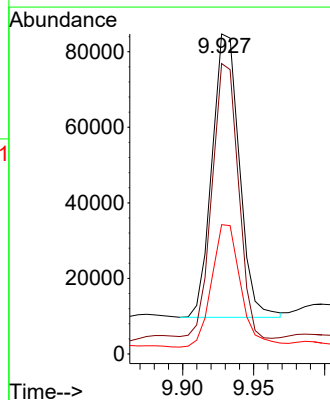
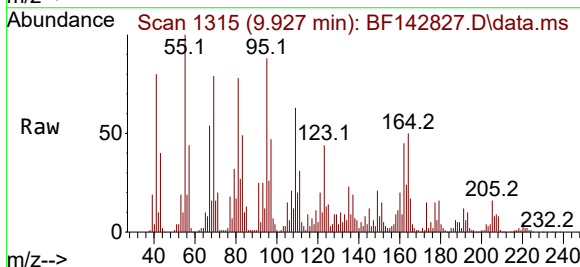
Instrument :
BNA_F
ClientSampleId :
ARS20-0036

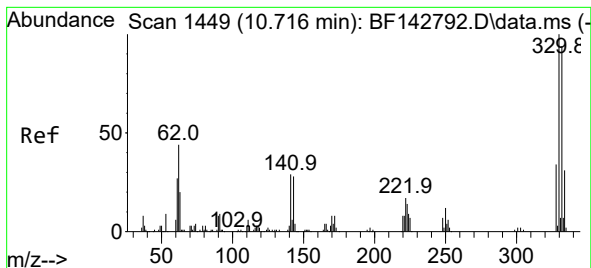
Tgt Ion: 82 Resp: 219482
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:164 Resp: 100383
Ion Ratio Lower Upper
164 100
162 90.8 81.8 122.8
160 40.4 36.0 54.0

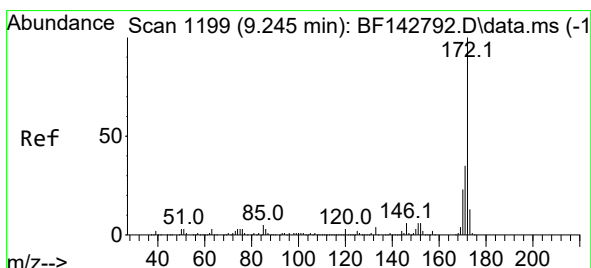
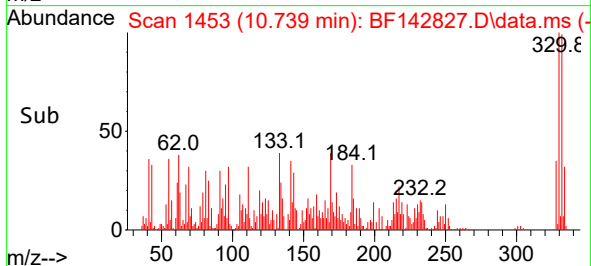
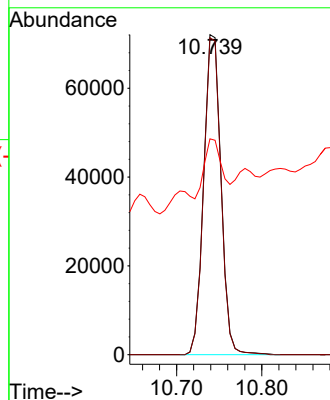
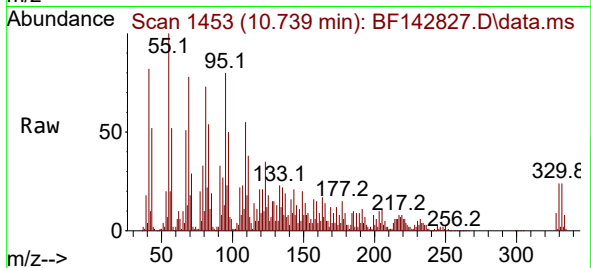




#42
2,4,6-Tribromophenol
Concen: 98.648 ng
RT: 10.739 min Scan# 1449
Delta R.T. 0.023 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

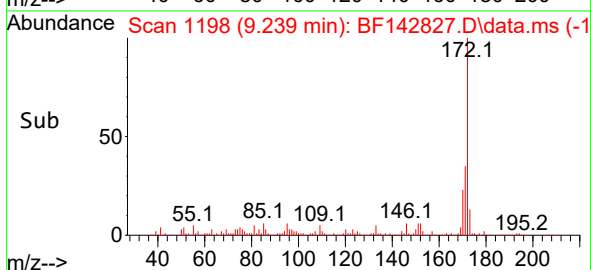
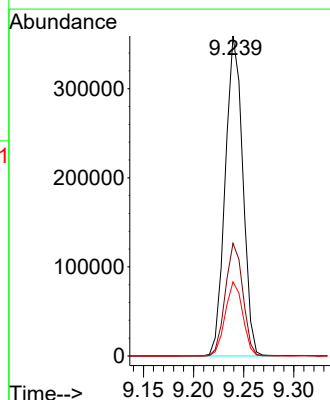
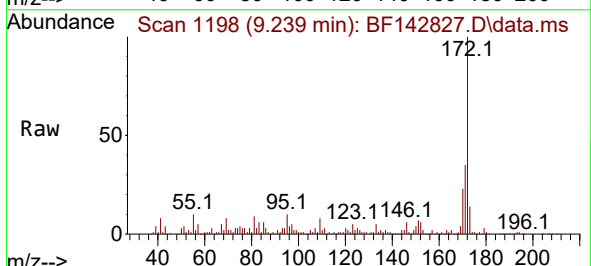
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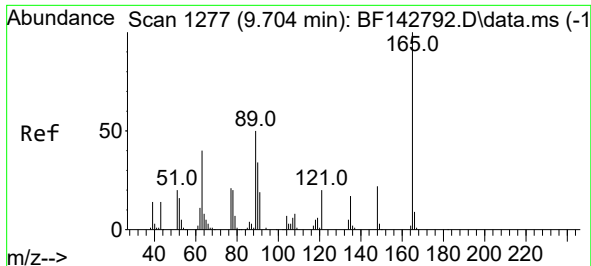
Tgt Ion:330 Resp: 101904
Ion Ratio Lower Upper
330 100
332 98.4 75.0 112.6
141 18.8 25.3 37.9#



#45
2-Fluorobiphenyl
Concen: 57.214 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:172 Resp: 437199
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.2 18.5 27.7

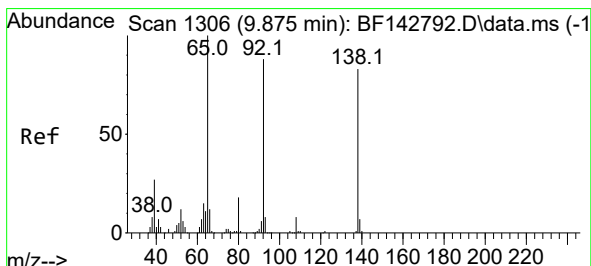
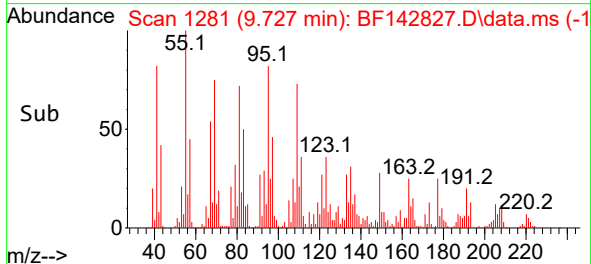
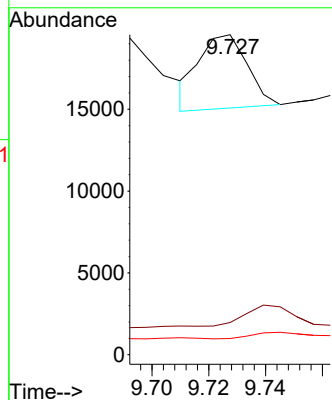
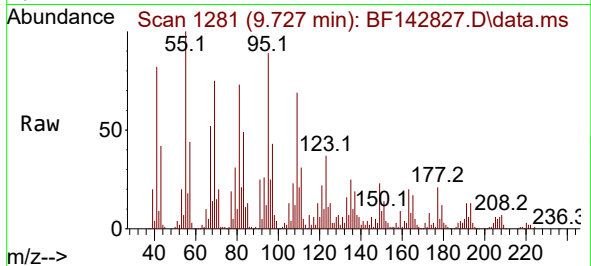




#51
2,6-Dinitrotoluene
Concen: 3.748 ng
RT: 9.727 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

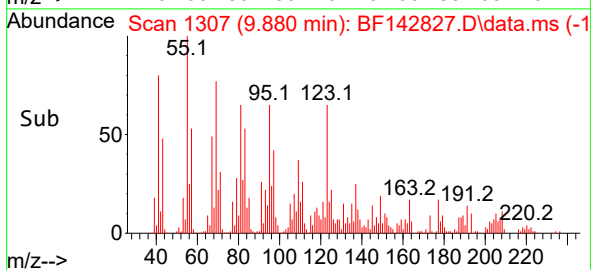
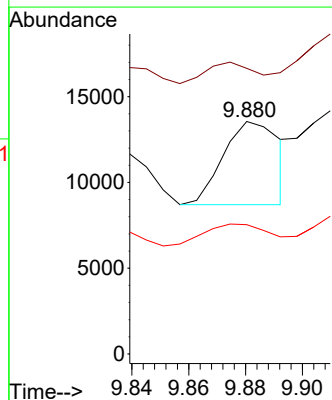
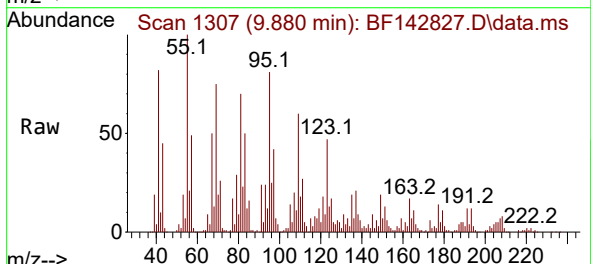
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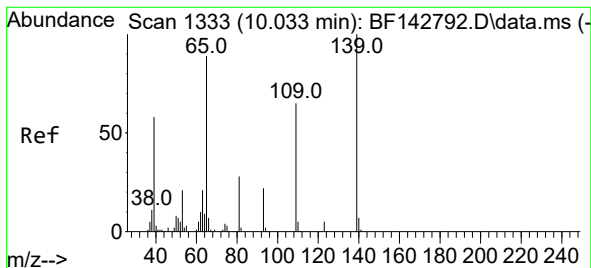
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Ion Ratio Lower Upper
165 100
63 10.1 44.2 66.4#
89 5.1 39.8 59.8#



#53
3-Nitroaniline
Concen: 4.226 ng
RT: 9.880 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:138 Resp: 6640
Ion Ratio Lower Upper
138 100
108 122.8 8.1 12.1#
92 55.6 85.1 127.7#

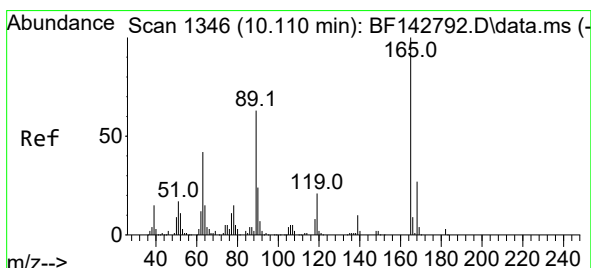
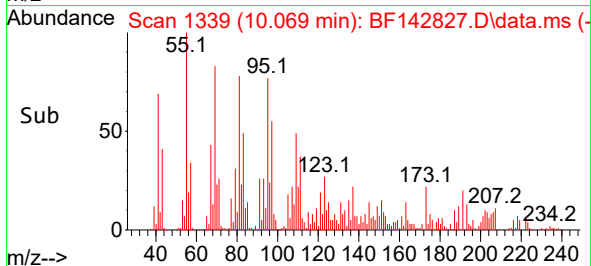
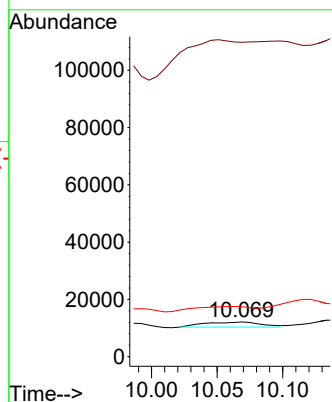
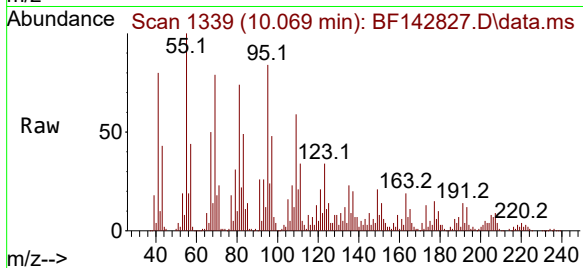




#56
4-Nitrophenol
Concen: 4.972 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

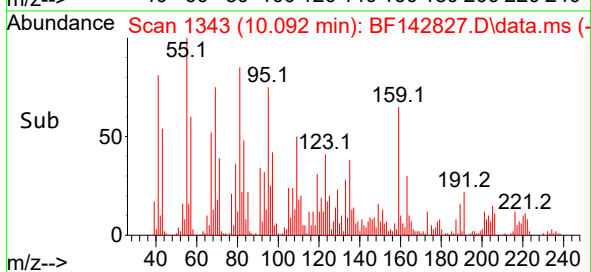
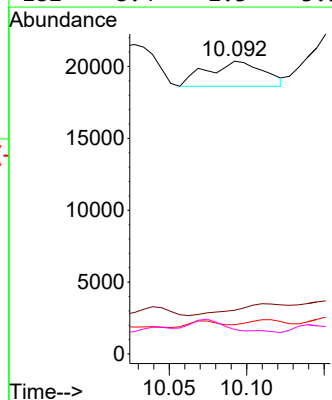
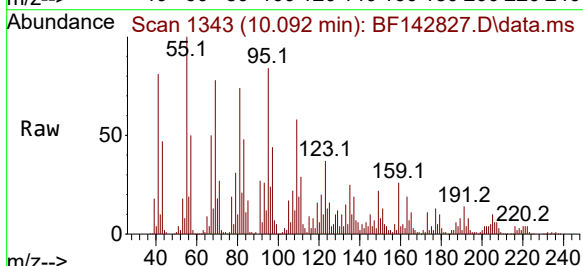
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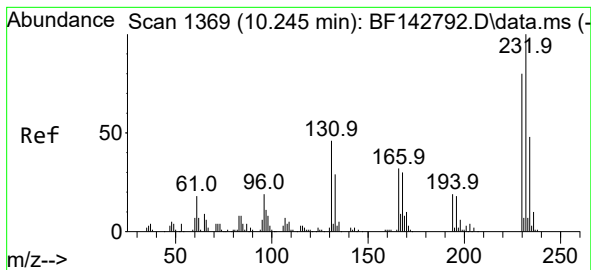
Tgt Ion:139 Resp: 5348
Ion Ratio Lower Upper
139 100
109 907.1 44.7 84.7#
65 144.1 69.8 109.8#



#57
2,4-Dinitrotoluene
Concen: 2.337 ng
RT: 10.092 min Scan# 1343
Delta R.T. -0.018 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:165 Resp: 4430
Ion Ratio Lower Upper
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89 10.0 50.6 75.8#
182 8.4 2.3 3.5#

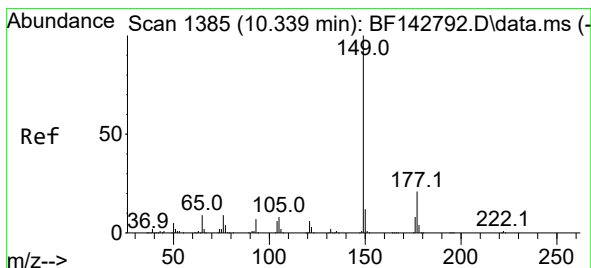
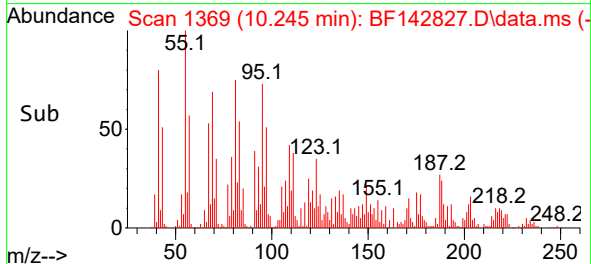
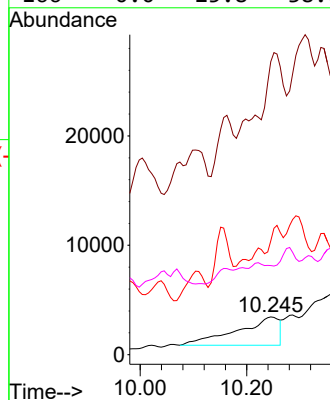
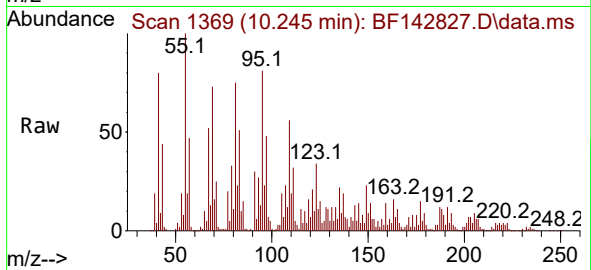




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.706 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

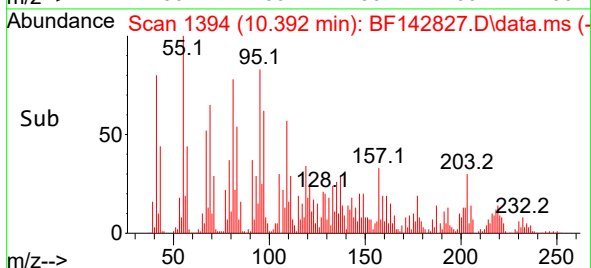
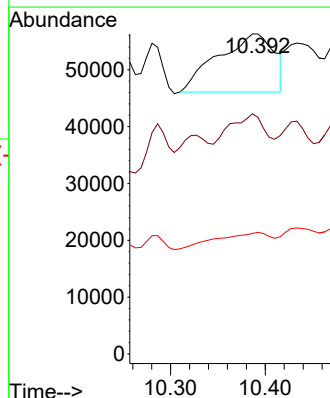
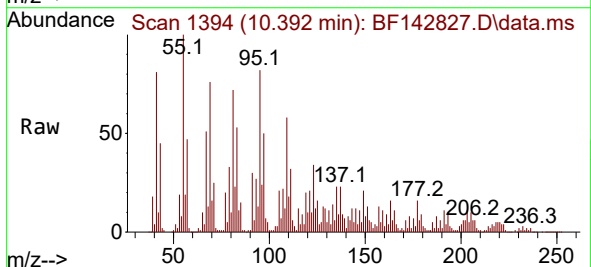
Instrument :
BNA_F
ClientSampleId :
ARS20-0036

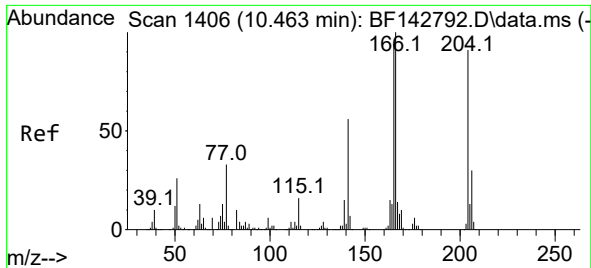
Tgt Ion:232 Resp: 14258
Ion Ratio Lower Upper
232 100
131 145.4 37.6 56.4#
130 26.8 1.7 2.5#
166 0.0 25.8 38.6#



#60
Diethylphthalate
Concen: 6.619 ng
RT: 10.392 min Scan# 1394
Delta R.T. 0.053 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:149 Resp: 42172
Ion Ratio Lower Upper
149 100
177 74.0 17.0 25.6#
150 38.0 9.8 14.6#

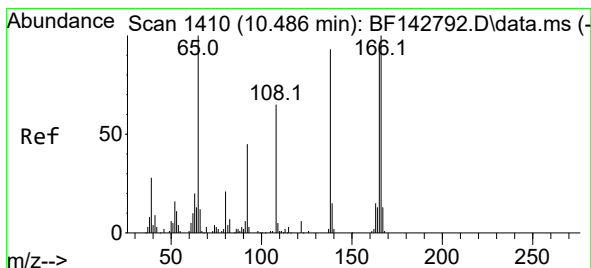
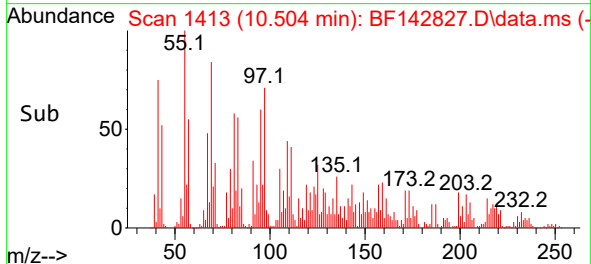
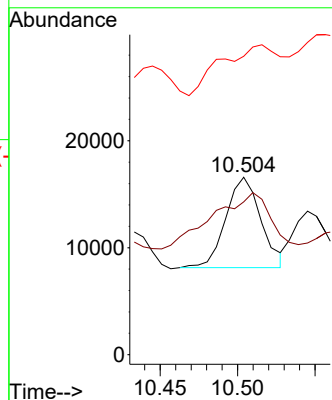
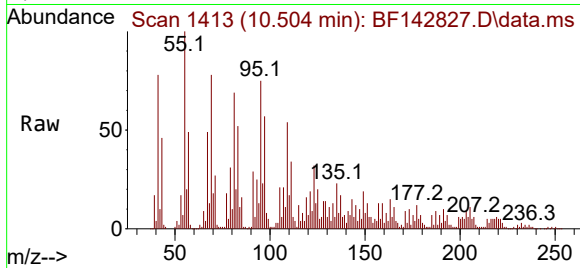




#61
4-Chlorophenyl-phenylether
Concen: 4.152 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.041 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

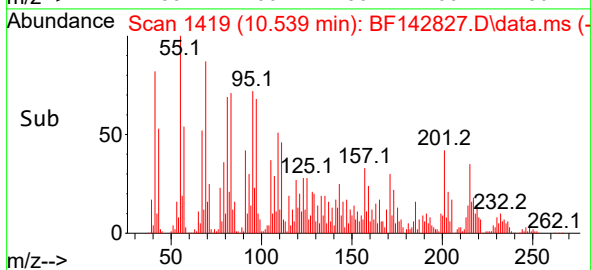
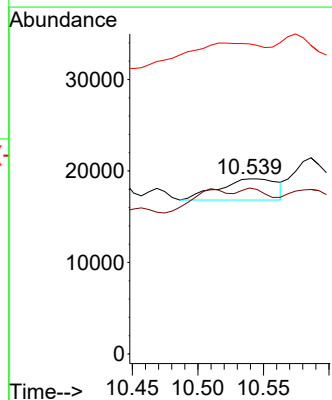
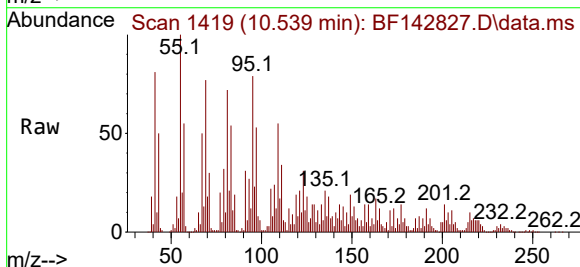
Instrument :
BNA_F
ClientSampleId :
ARS20-0036

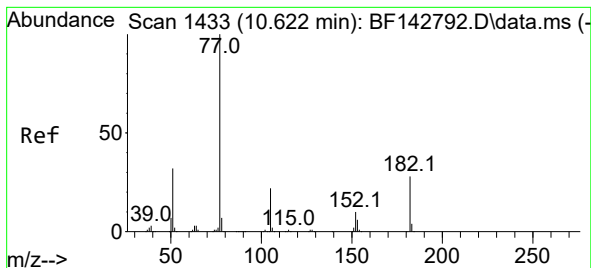
Tgt Ion:204 Resp: 13262
Ion Ratio Lower Upper
204 100
206 86.2 26.3 39.5#
141 168.2 49.1 73.7#



#62
4-Nitroaniline
Concen: 5.050 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.053 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:138 Resp: 7256
Ion Ratio Lower Upper
138 100
92 94.7 28.4 68.4#
108 177.1 50.2 90.2#





#63

Azobenzene

Concen: 5.295 ng

RT: 10.651 min Scan# 1438

Delta R.T. 0.029 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

Instrument :

BNA_F

ClientSampleId :

ARS20-0036

Tgt Ion: 77 Resp: 30148

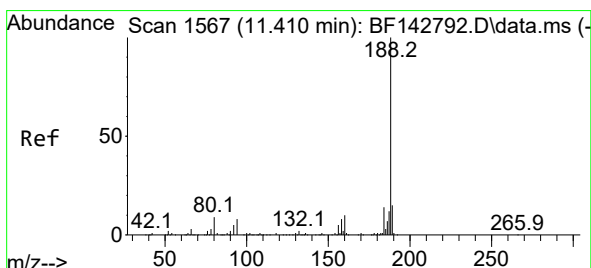
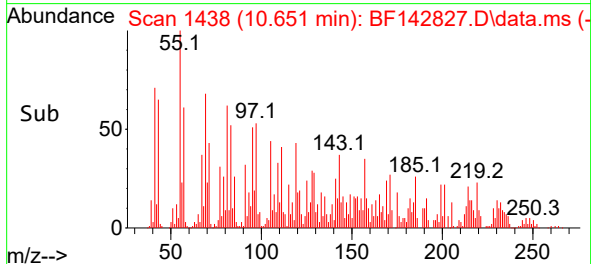
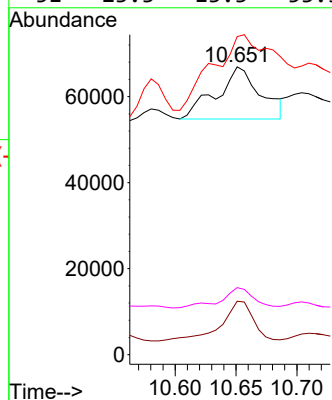
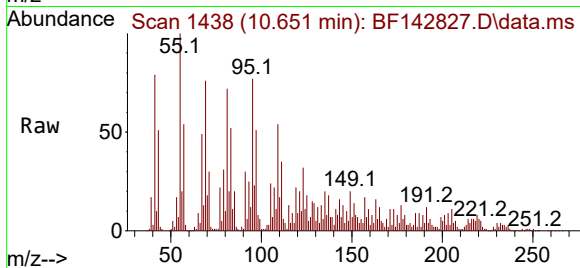
Ion Ratio Lower Upper

77 100

182 18.6 7.7 47.7

105 110.5 1.9 41.9#

51 23.3 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1568

Delta R.T. 0.006 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

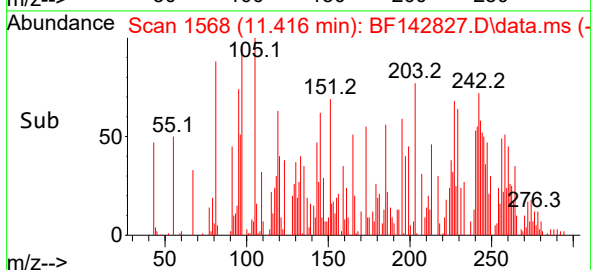
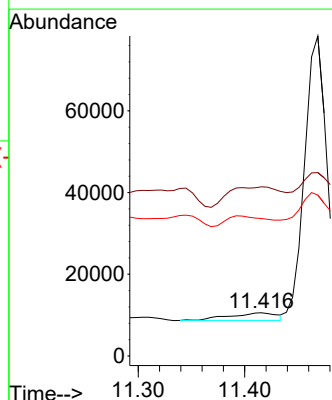
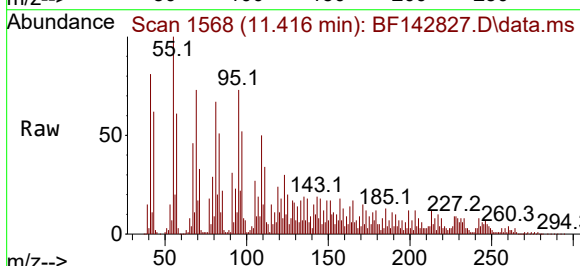
Tgt Ion: 188 Resp: 5832

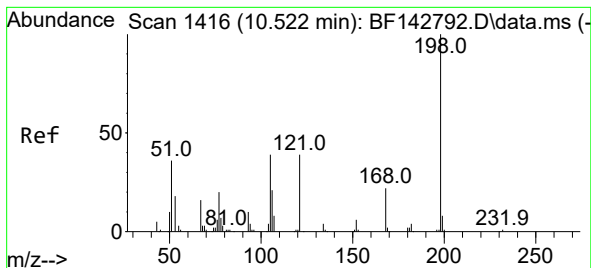
Ion Ratio Lower Upper

188 100

94 391.3 6.7 10.1#

80 318.2 6.9 10.3#

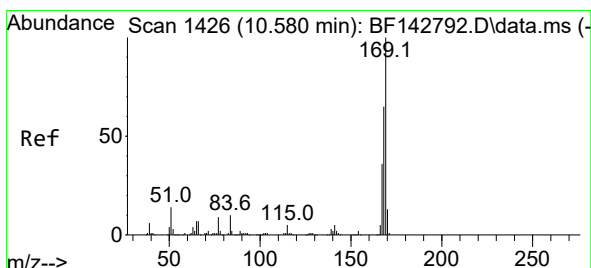
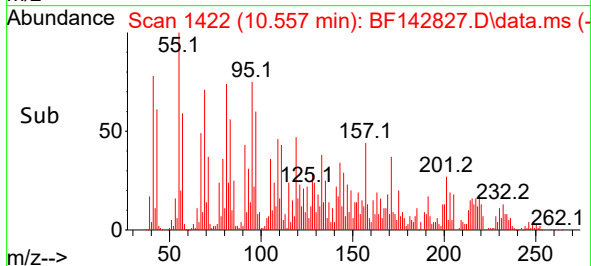
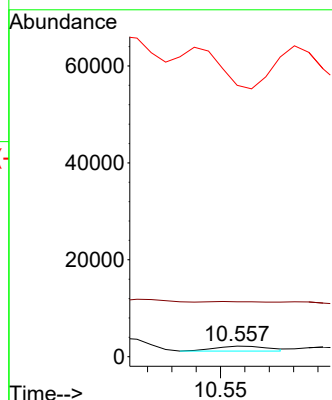
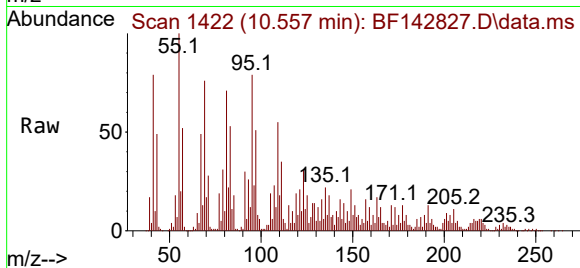




#65
4,6-Dinitro-2-methylphenol
Concen: 44.762 ng
RT: 10.557 min Scan# 1416
Delta R.T. 0.035 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

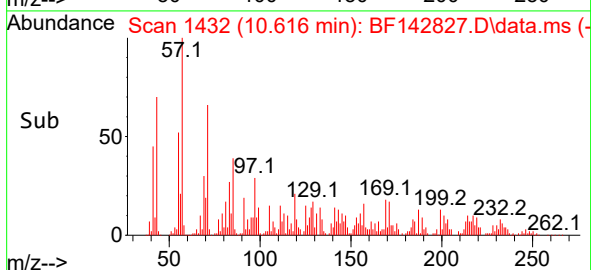
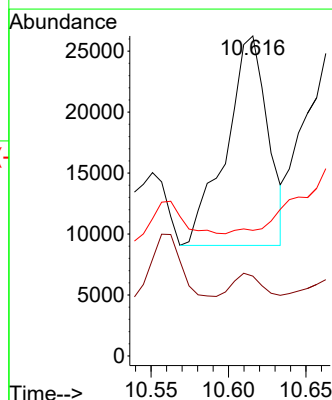
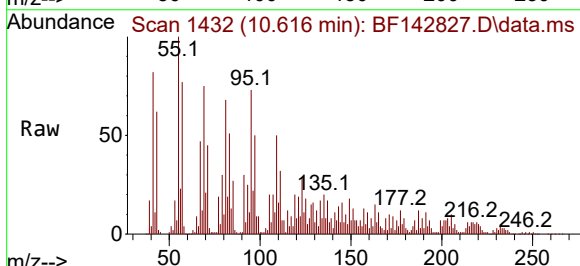
Instrument :
BNA_F
ClientSampleId :
ARS20-0036

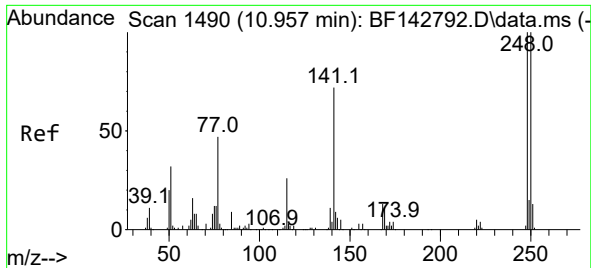
Tgt Ion:198 Resp: 1579
Ion Ratio Lower Upper
198 100
51 517.7 25.4 65.4#
105 2555.9 20.4 60.4#



#66
n-Nitrosodiphenylamine
Concen: 158.814 ng
RT: 10.616 min Scan# 1432
Delta R.T. 0.035 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:169 Resp: 32100
Ion Ratio Lower Upper
169 100
168 24.9 51.9 77.9#
167 39.3 28.5 42.7

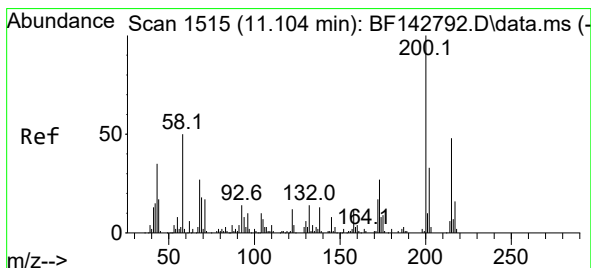
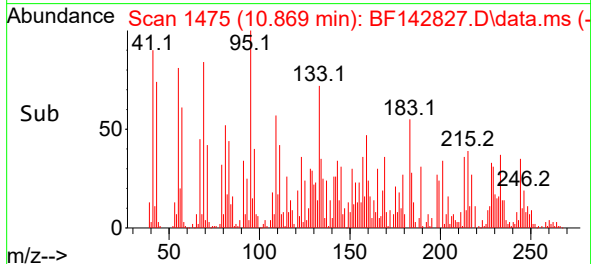
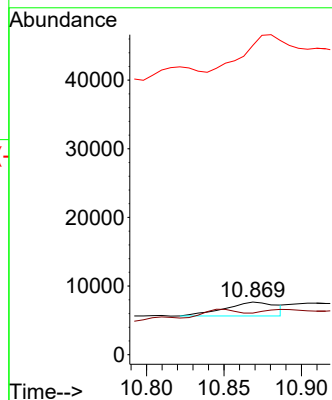
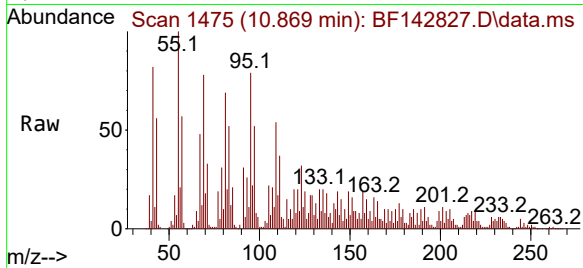




#67
4-Bromophenyl-phenylether
Concen: 71.625 ng
RT: 10.869 min Scan# 1490
Delta R.T. -0.088 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

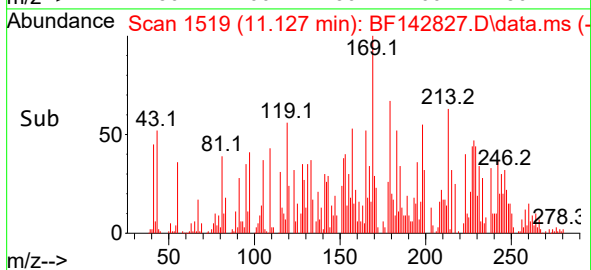
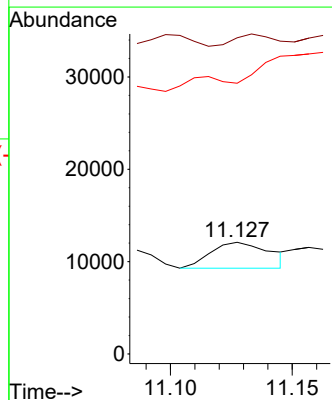
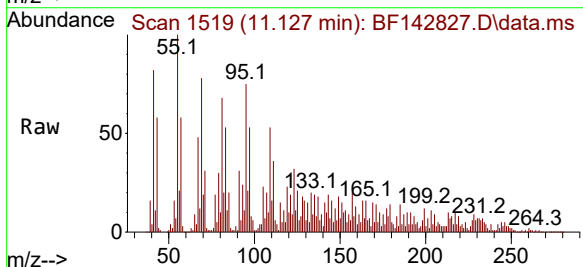
Instrument :
BNA_F
ClientSampleId :
ARS20-0036

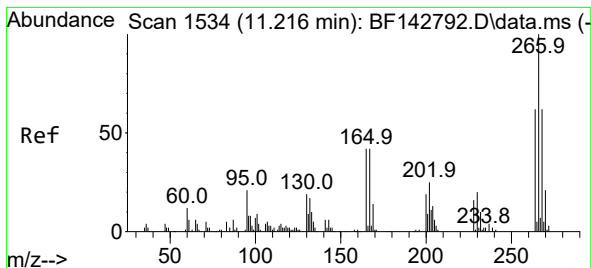
Tgt Ion:248 Resp: 4754
Ion Ratio Lower Upper
248 100
250 79.1 79.8 119.8#
141 587.6 57.8 86.6#



#69
Atrazine
Concen: 90.603 ng
RT: 11.127 min Scan# 1519
Delta R.T. 0.024 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:200 Resp: 4729
Ion Ratio Lower Upper
200 100
173 283.0 7.4 47.4#
215 242.3 28.4 68.4#





#70

Pentachlorophenol

Concen: 28.489 ng

RT: 11.233 min Scan# 1537

Delta R.T. 0.018 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

Instrument :

BNA_F

ClientSampleId :

ARS20-0036

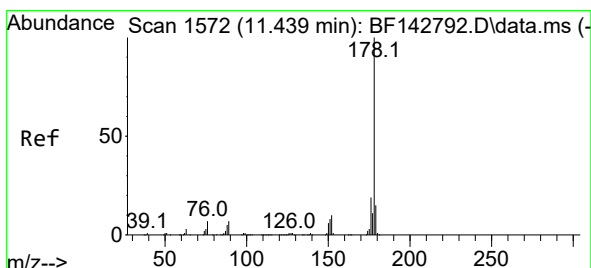
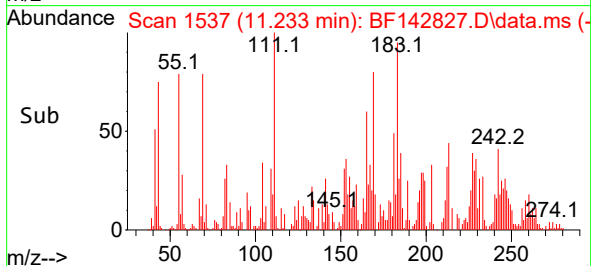
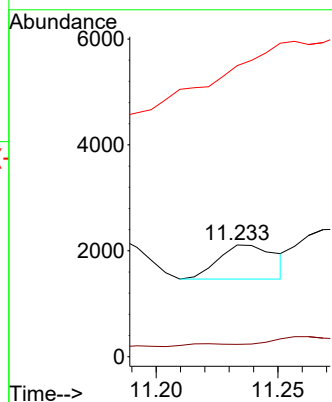
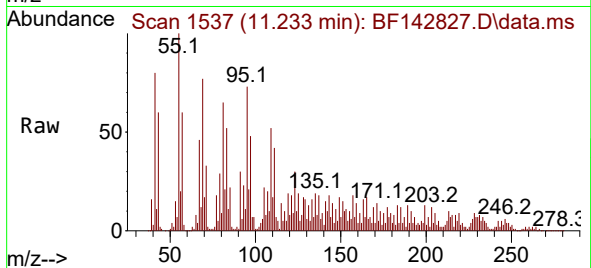
Tgt Ion:266 Resp: 1047

Ion Ratio Lower Upper

266 100

268 11.1 49.8 74.8#

264 260.7 49.9 74.9#



#71

Phenanthrene

Concen: 9.056 ng

RT: 11.445 min Scan# 1573

Delta R.T. 0.006 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

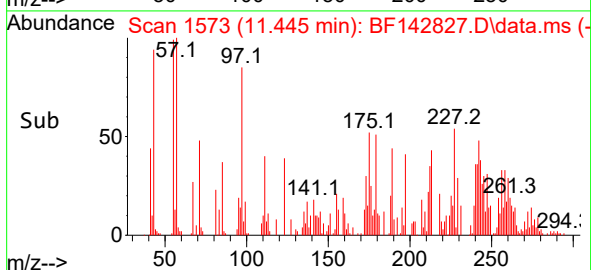
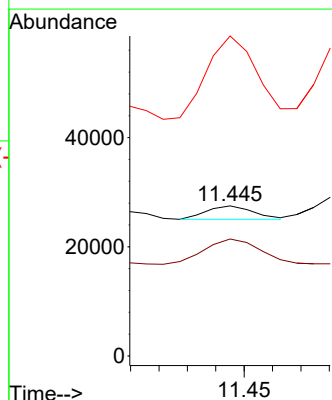
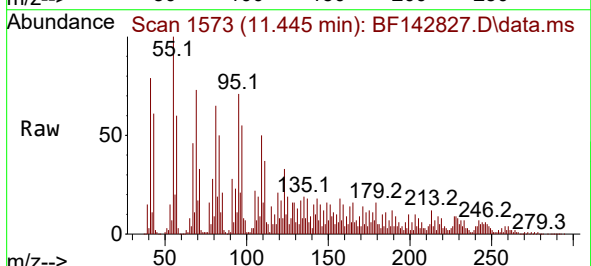
Tgt Ion:178 Resp: 2861

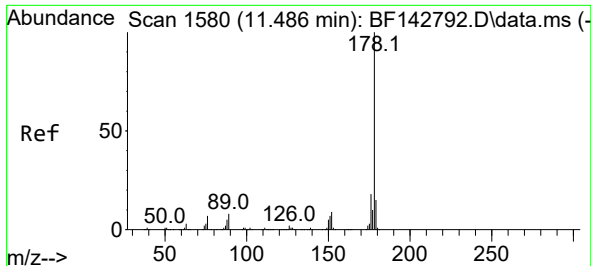
Ion Ratio Lower Upper

178 100

176 77.9 15.1 22.7#

179 213.2 12.0 18.0#

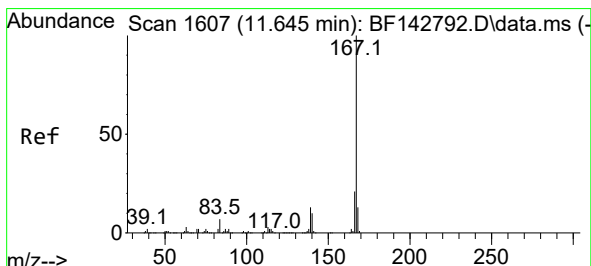
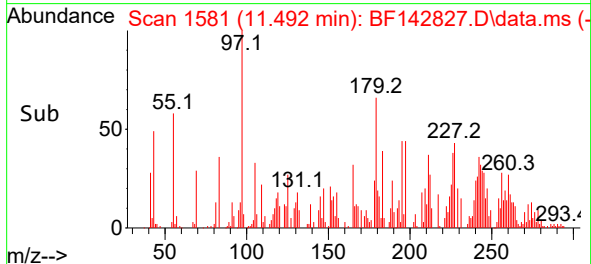
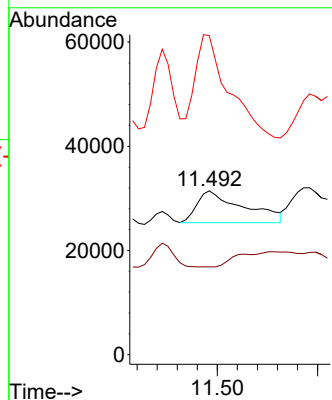
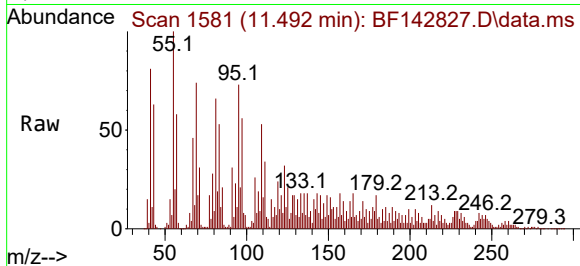




#72
 Anthracene
 Concen: 60.478 ng
 RT: 11.492 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

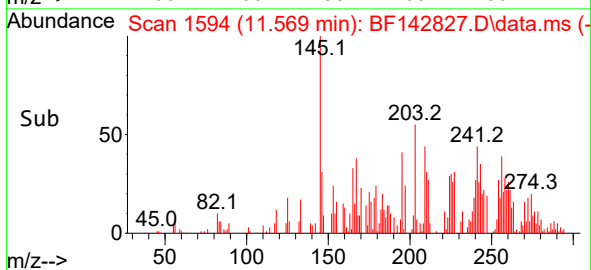
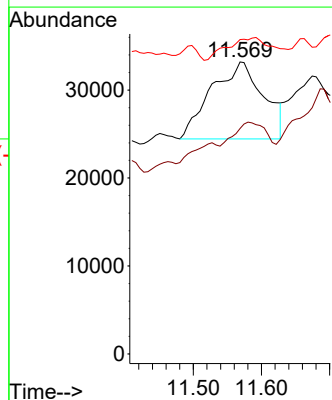
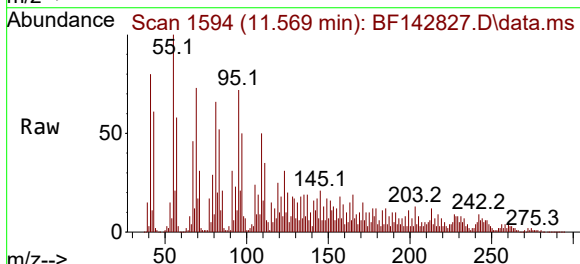
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0036

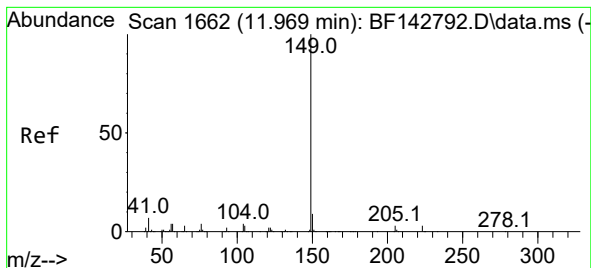
Tgt Ion:178 Resp: 19595
 Ion Ratio Lower Upper
 178 100
 176 53.6 14.6 21.8#
 179 194.7 12.4 18.6#



#73
 Carbazole
 Concen: 165.807 ng
 RT: 11.569 min Scan# 1594
 Delta R.T. -0.076 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

Tgt Ion:167 Resp: 46360
 Ion Ratio Lower Upper
 167 100
 166 77.2 17.0 25.4#
 139 107.6 10.2 15.2#





#74

Di-n-butylphthalate

Concen: 28.955 ng

RT: 11.963 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

Instrument :

BNA_F

ClientSampleId :

ARS20-0036

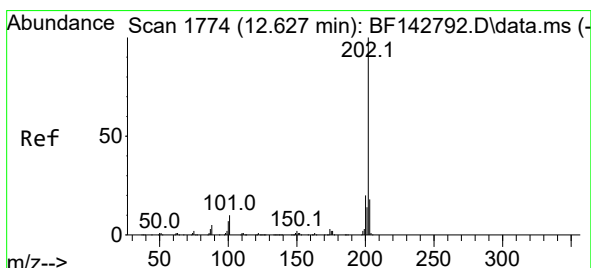
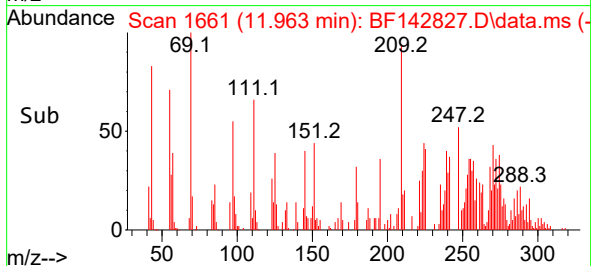
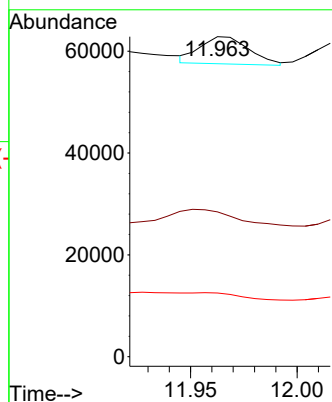
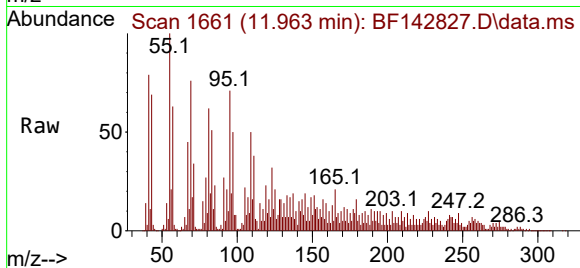
Tgt Ion:149 Resp: 8434

Ion Ratio Lower Upper

149 100

150 45.3 7.4 11.0#

104 19.9 3.5 5.3#



#75

Fluoranthene

Concen: 15.019 ng

RT: 12.645 min Scan# 1777

Delta R.T. 0.018 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

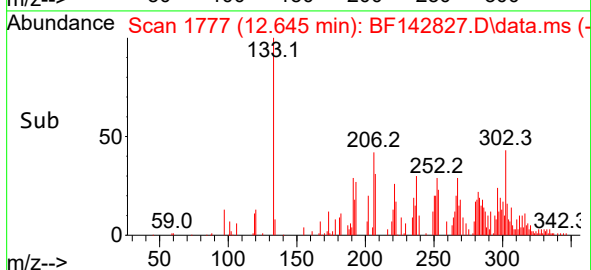
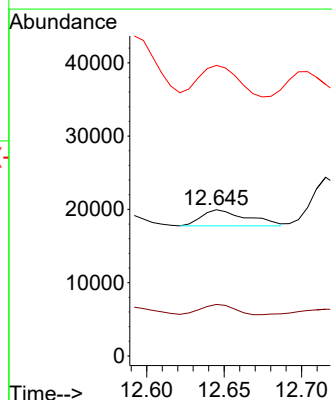
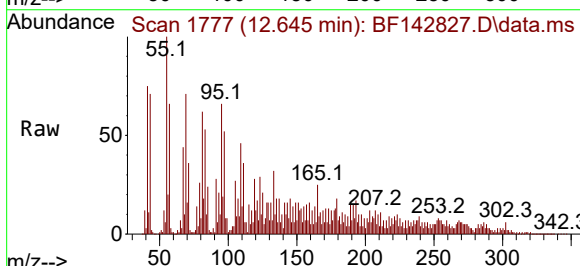
Tgt Ion:202 Resp: 4503

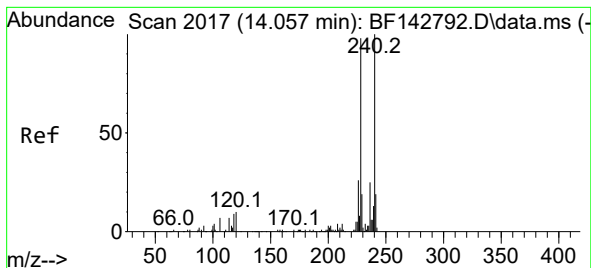
Ion Ratio Lower Upper

202 100

101 35.2 0.0 29.7#

203 198.6 0.0 37.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 20

Delta R.T. 0.053 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

Instrument :

BNA_F

ClientSampleId :

ARS20-0036

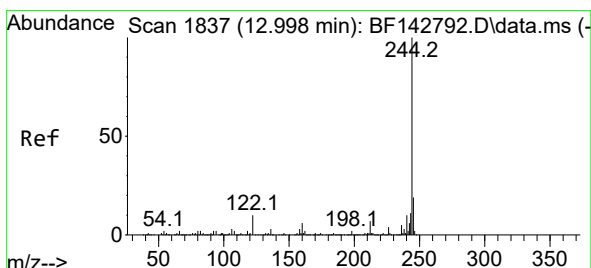
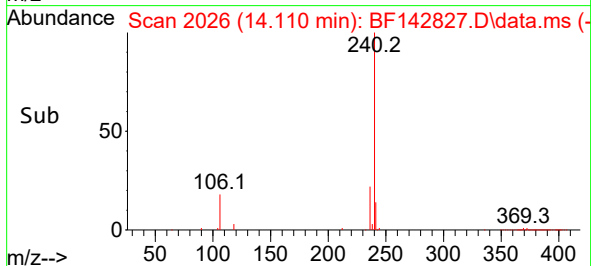
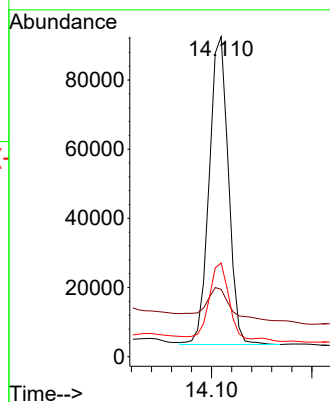
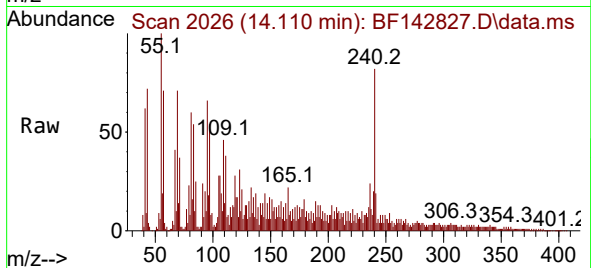
Tgt Ion:240 Resp: 118394

Ion Ratio Lower Upper

240 100

120 21.0 8.2 12.2#

236 29.3 19.8 29.8



#79

Terphenyl-d14

Concen: 41.355 ng

RT: 13.074 min Scan# 1850

Delta R.T. 0.076 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

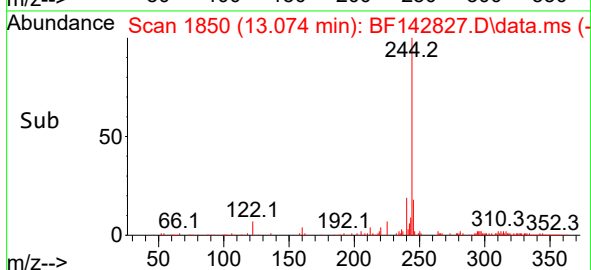
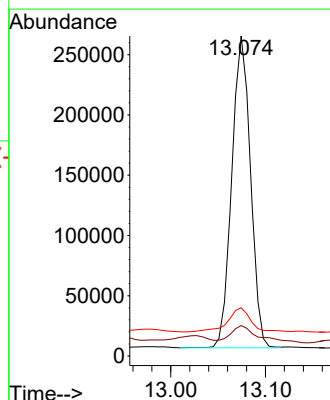
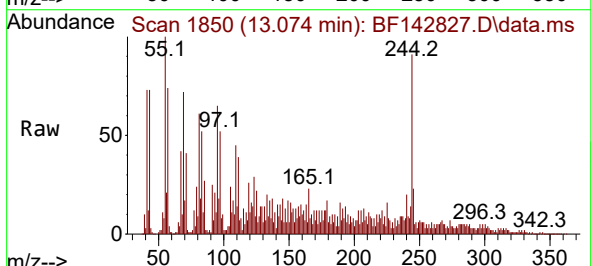
Tgt Ion:244 Resp: 354359

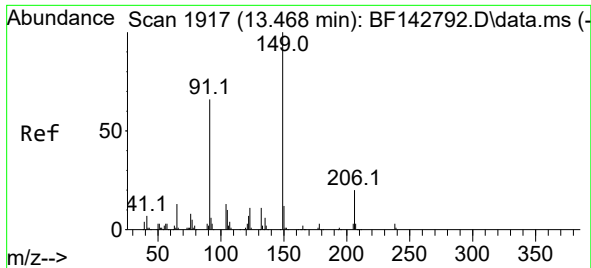
Ion Ratio Lower Upper

244 100

212 9.5 5.4 8.0#

122 15.0 8.2 12.2#

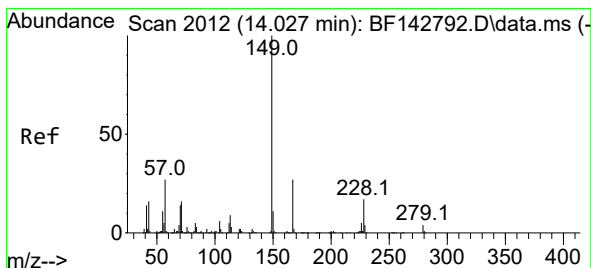
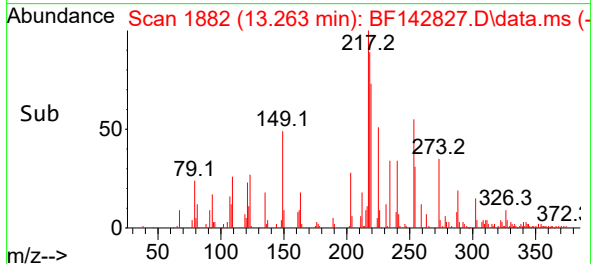
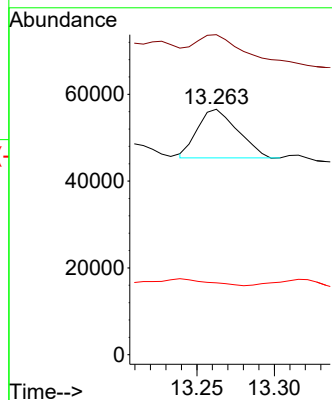
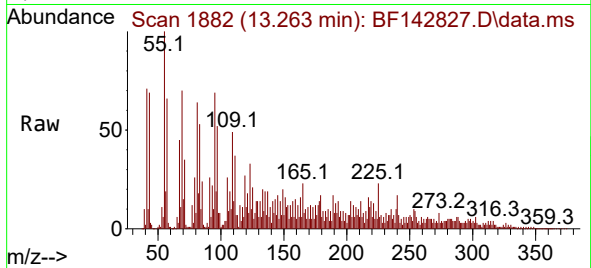




#80
 Butylbenzylphthalate
 Concen: 6.270 ng
 RT: 13.263 min Scan# 1882
 Delta R.T. -0.206 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

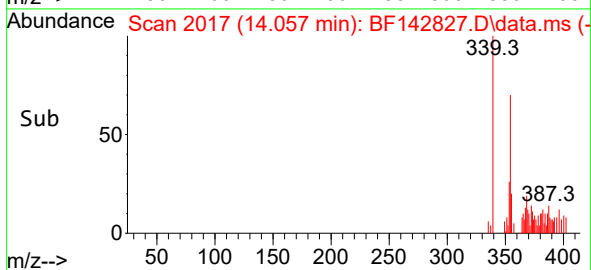
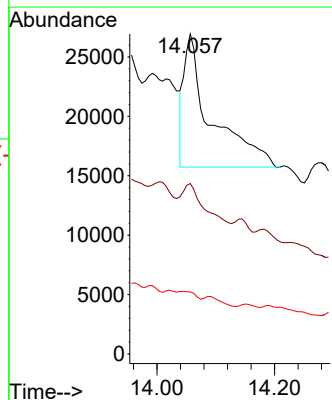
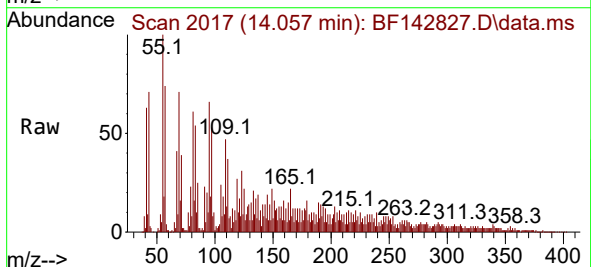
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0036

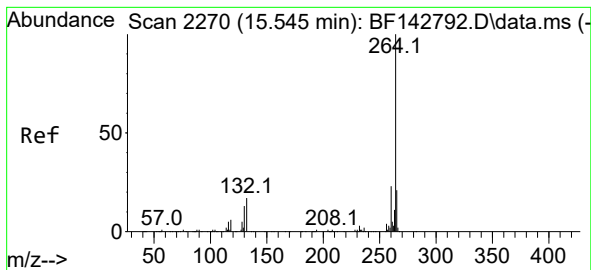
Tgt Ion:149 Resp: 20184
 Ion Ratio Lower Upper
 149 100
 91 130.4 52.9 79.3#
 206 29.2 16.3 24.5#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.756 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. 0.029 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

Tgt Ion:149 Resp: 35922
 Ion Ratio Lower Upper
 149 100
 167 53.3 21.4 32.0#
 279 19.4 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF142827.D

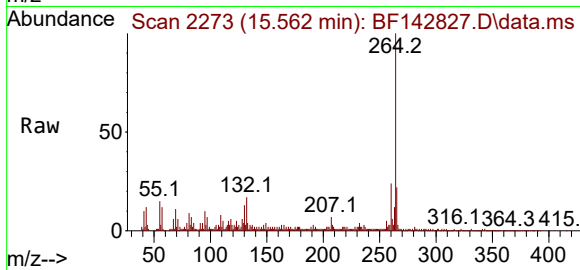
Acq: 24 Jun 2025 19:05

Instrument :

BNA_F

ClientSampleId :

ARS20-0036



Tgt Ion:264 Resp: 106277

Ion Ratio Lower Upper

264 100

260 23.6 18.1 27.1

265 22.4 16.6 25.0

