

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
 Data File : BF141971.D
 Acq On : 14 Mar 2025 18:06
 Operator : RC/JU
 Sample : Q1553-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2321

Quant Time: Mar 14 18:41:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

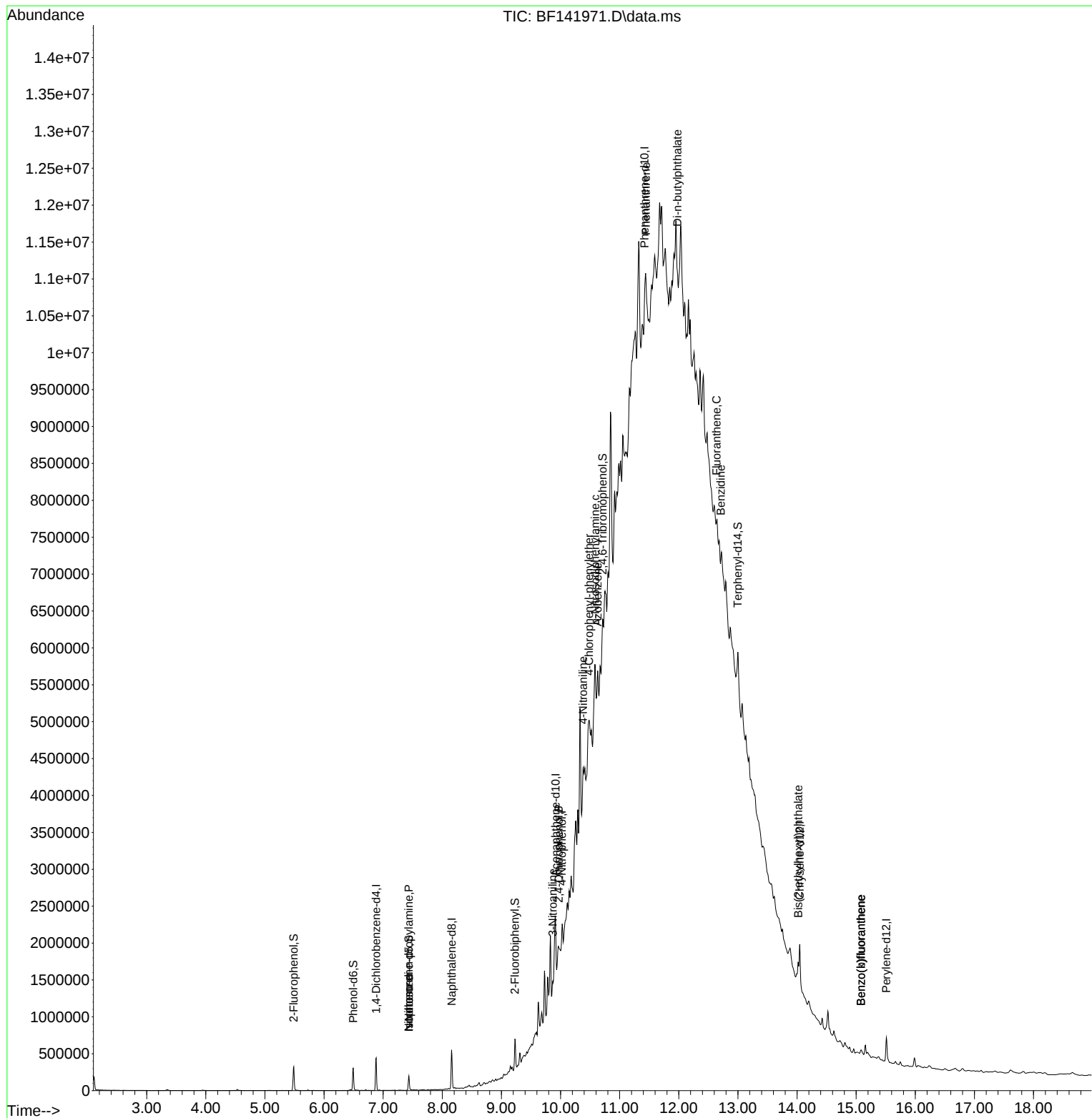
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	95511	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	330768	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	174766	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	311287	20.000	ng	# 0.02
76) Chrysene-d12	14.045	240	274363	20.000	ng	0.00
86) Perylene-d12	15.510	264	203158	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	128022	22.371	ng	0.00
7) Phenol-d6	6.493	99	145316	19.944	ng	-0.01
23) Nitrobenzene-d5	7.434	82	86700	14.751	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	48842	22.029	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	169086	14.714	ng	-0.01
79) Terphenyl-d14	12.998	244	252332	13.597	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	12174	2.600	ng	# 81
25) Isophorone	7.434	82	82969	7.986	ng	# 65
53) 3-Nitroaniline	9.869	138	7363	2.849	ng	# 22
54) 2,4-Dinitrophenol	9.969	184	598	6.953	ng	# 1
56) 4-Nitrophenol	10.022	139	4739	2.431	ng	# 1
61) 4-Chlorophenyl-phenyle...	10.481	204	13859	2.337	ng	# 1
62) 4-Nitroaniline	10.381	138	30423	12.090	ng	80
63) Azobenzene	10.628	77	25740	2.269	ng	# 30
66) n-Nitrosodiphenylamine	10.586	169	88609	8.796	ng	# 47
71) Phenanthrene	11.445	178	163851	9.745	ng	# 40
74) Di-n-butylphthalate	11.975	149	66888	3.465	ng	# 33
75) Fluoranthene	12.639	202	56263	3.155	ng	# 41
77) Benzidine	12.710	184	13645	3.565	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.022	149	124458	9.718	ng	# 95
88) Benzo(b)fluoranthene	15.080	252	33764	2.425	ng	# 68
89) Benzo(k)fluoranthene	15.080	252	33764	2.834	ng	# 68

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

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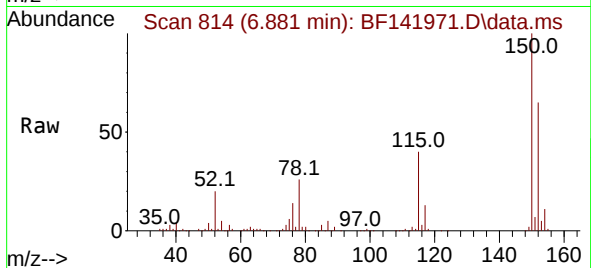
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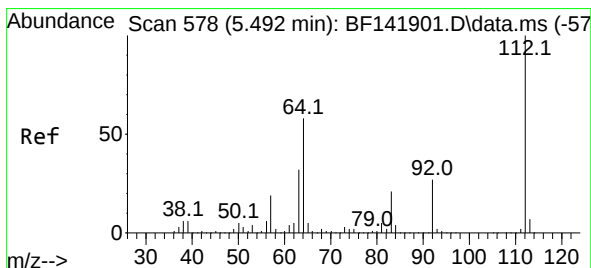
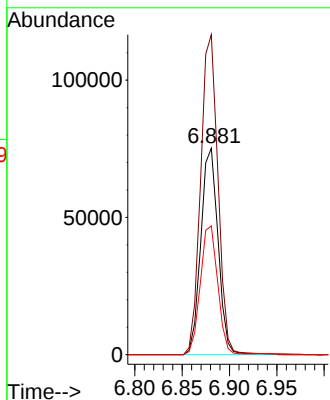
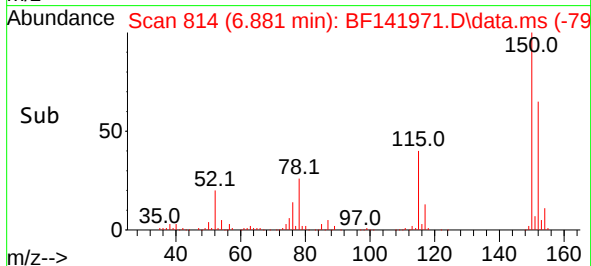


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Instrument :
BNA_F
ClientSampleId :
RT2321

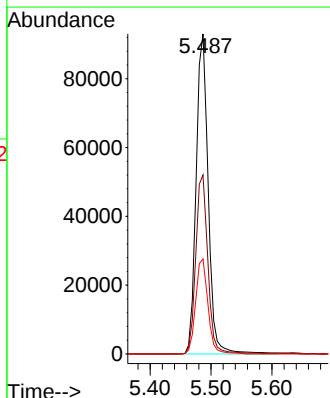
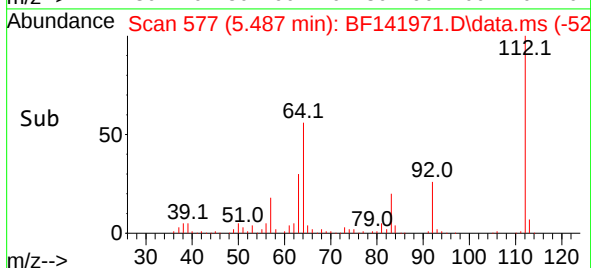
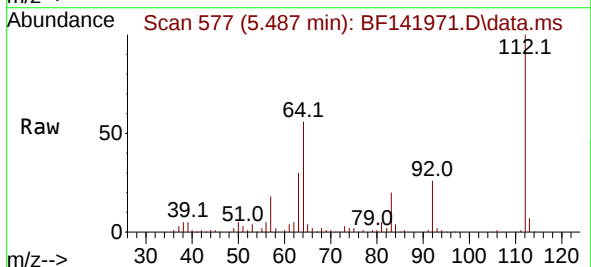


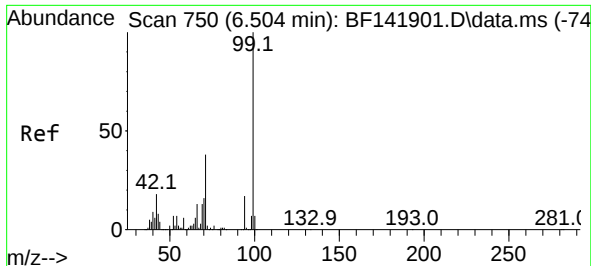
Tgt Ion:152 Resp: 95511
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.2
115 62.4 51.9 77.9



#5
2-Fluorophenol
Concen: 22.371 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:112 Resp: 128022
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 29.7 25.4 38.2

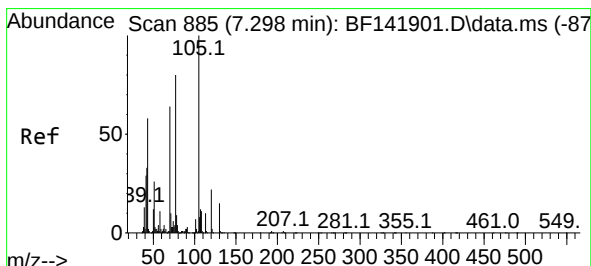
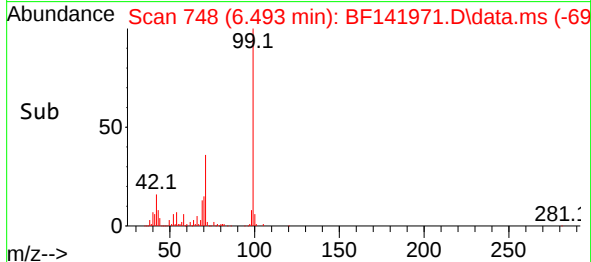
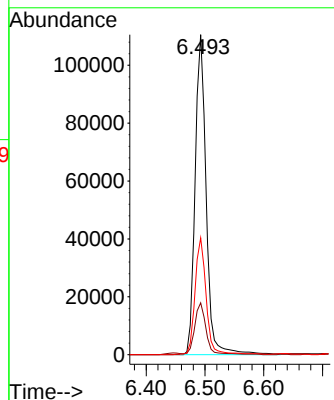
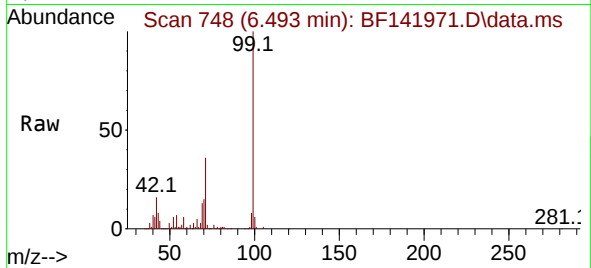




#7
Phenol-d6
Concen: 19.944 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

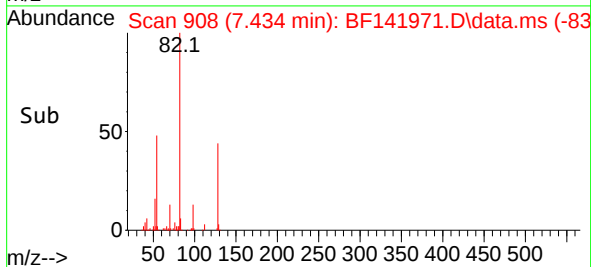
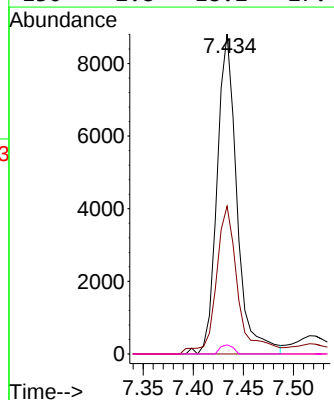
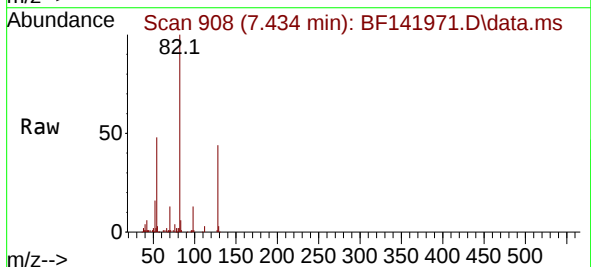
Instrument :
BNA_F
ClientSampleId :
RT2321

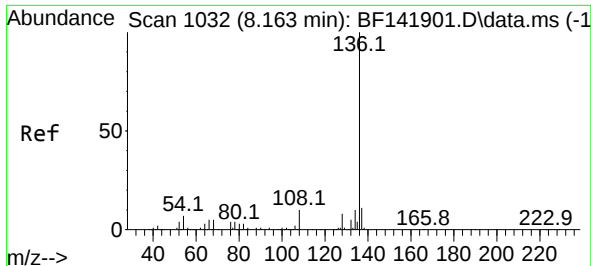
Tgt Ion: 99 Resp: 145316
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 36.5 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.600 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion: 70 Resp: 12174
Ion Ratio Lower Upper
70 100
42 46.2 41.4 62.0
101 0.0 8.2 12.2#
130 2.8 18.2 27.4#



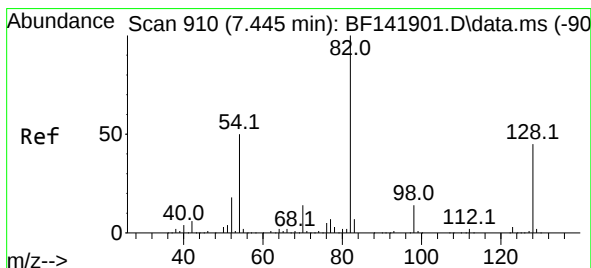
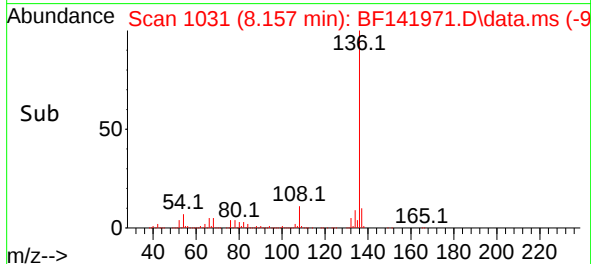
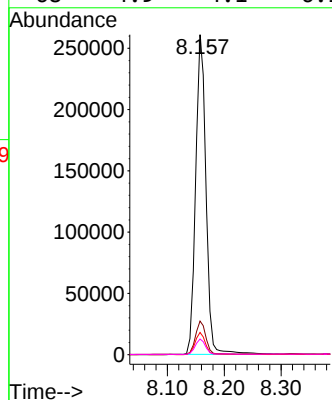
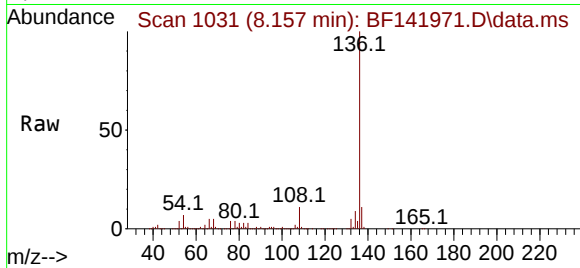


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Instrument :
BNA_F
ClientSampleId :
RT2321

Tgt Ion:136 Resp: 330768

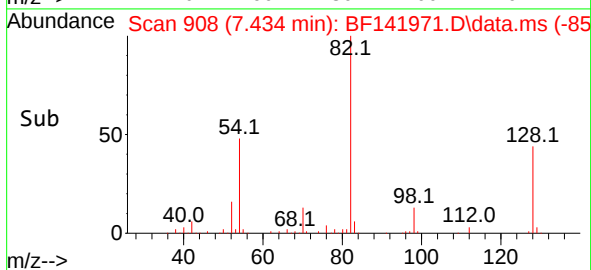
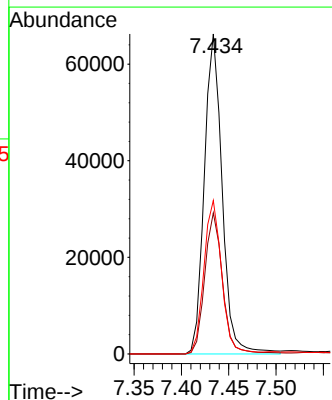
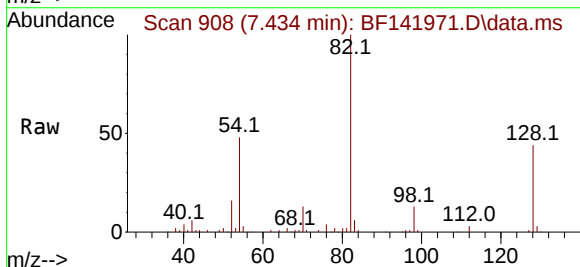
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.9	5.8	8.8
68	4.9	4.1	6.1

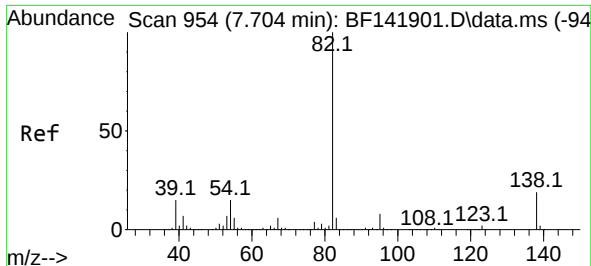


#23
Nitrobenzene-d5
Concen: 14.751 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion: 82 Resp: 86700

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.0	54.0
54	47.9	39.6	59.4

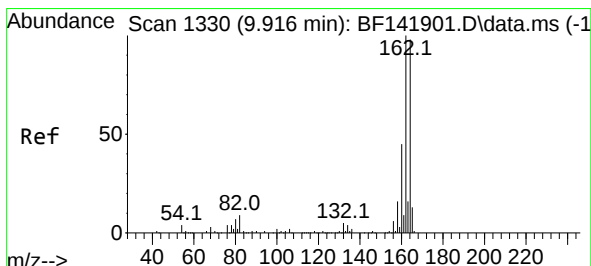
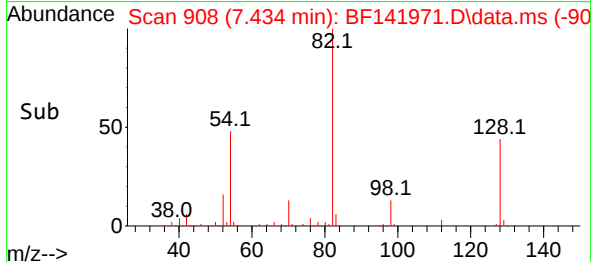
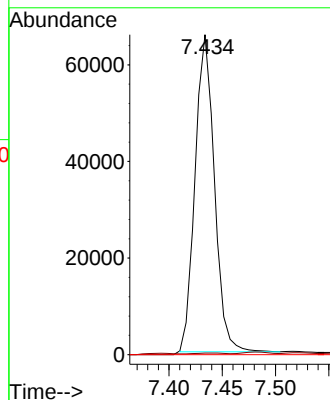
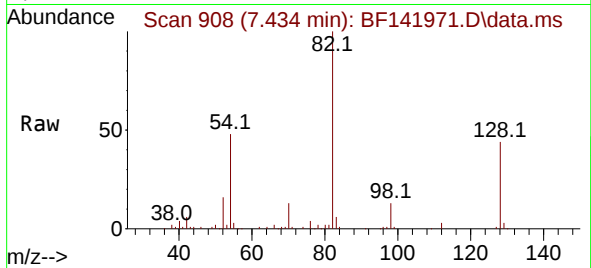




#25
Isophorone
Concen: 7.986 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

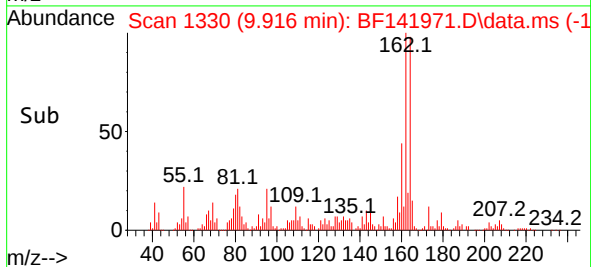
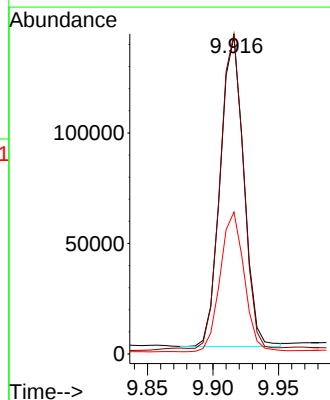
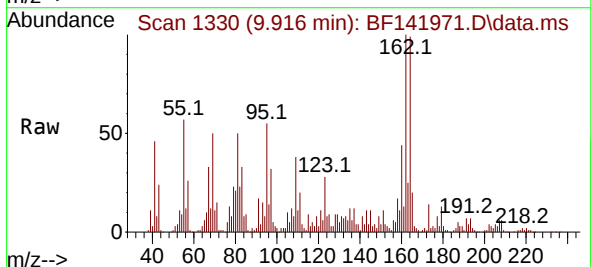
Instrument :
BNA_F
ClientSampleId :
RT2321

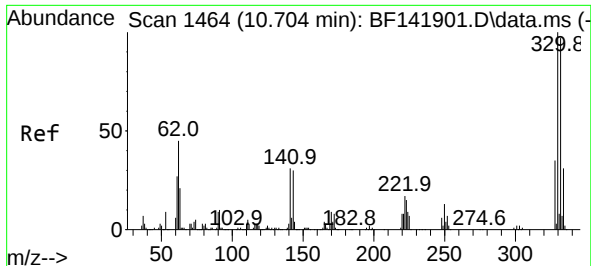
Tgt Ion: 82 Resp: 82969
Ion Ratio Lower Upper
82 100
95 0.5 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:164 Resp: 174766
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.6
160 44.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 22.029 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.006 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

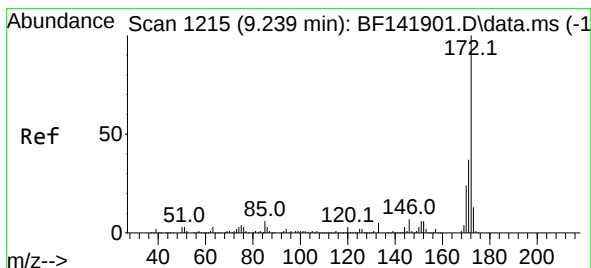
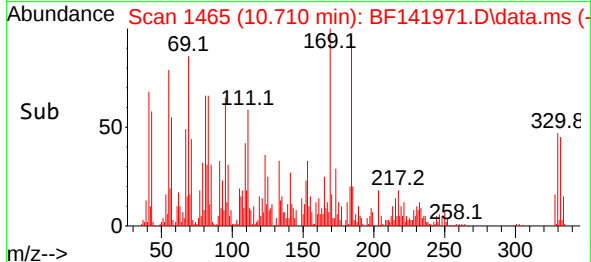
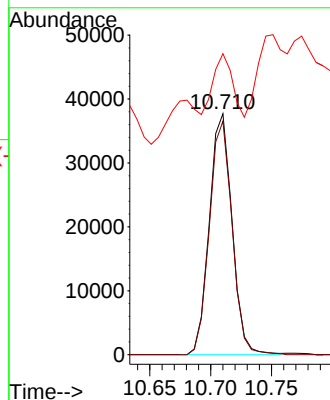
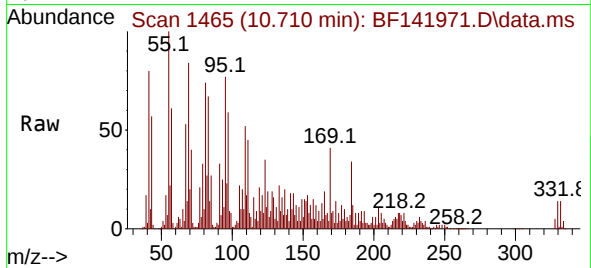
Tgt Ion:330 Resp: 48842

Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

141 21.6 24.7 37.1#



#45

2-Fluorobiphenyl

Concen: 14.714 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

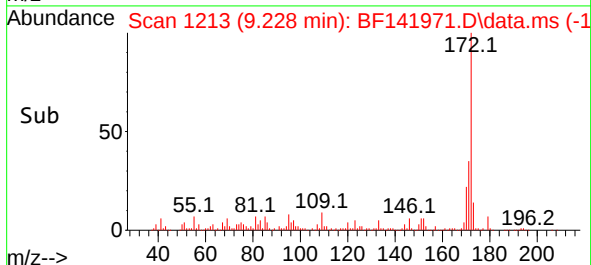
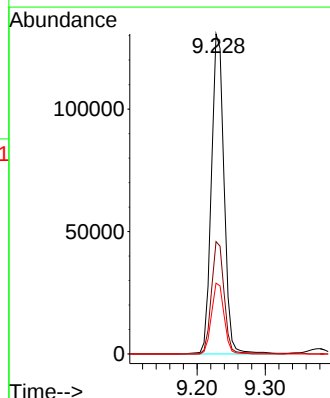
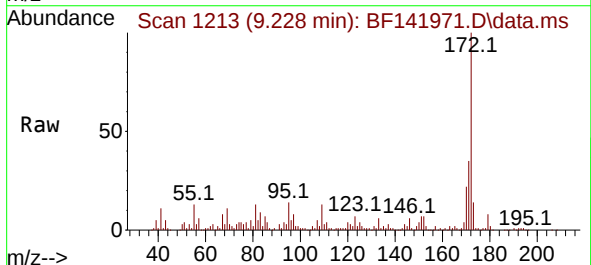
Tgt Ion:172 Resp: 169086

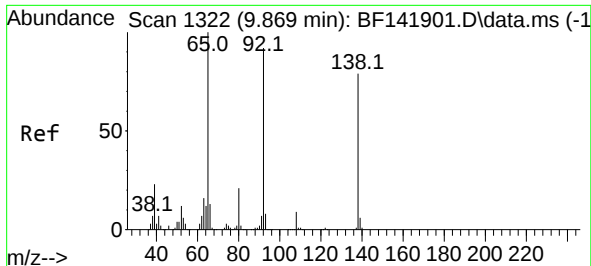
Ion Ratio Lower Upper

172 100

171 35.1 29.3 43.9

170 22.1 19.4 29.0

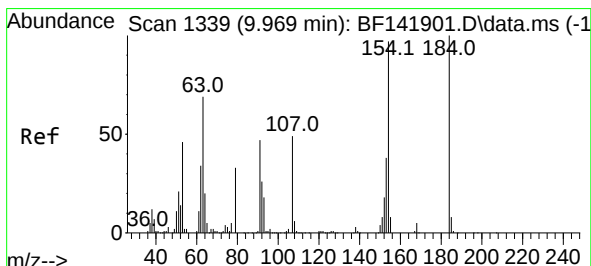
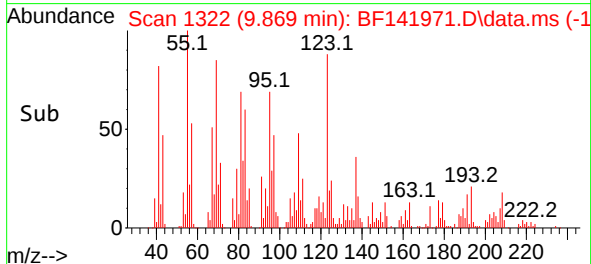
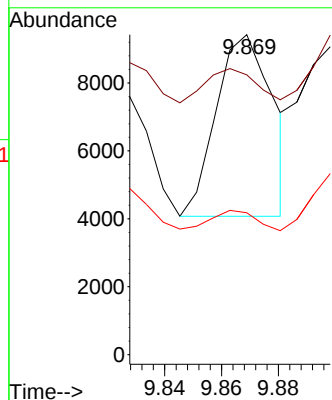
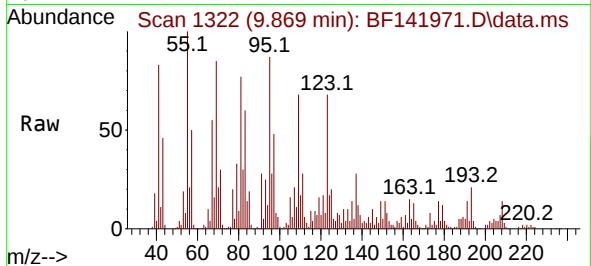




#53
3-Nitroaniline
Concen: 2.849 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

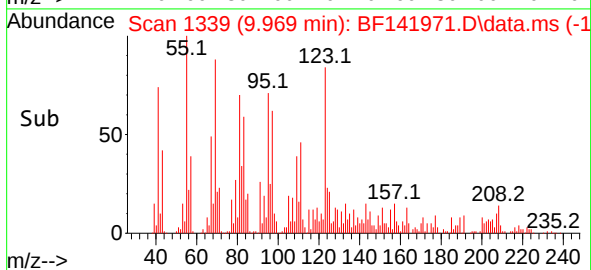
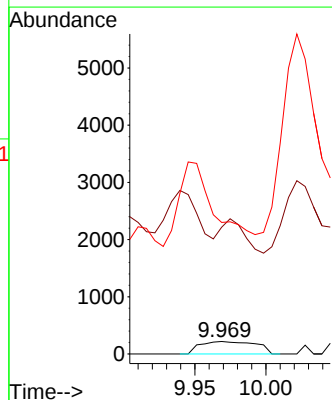
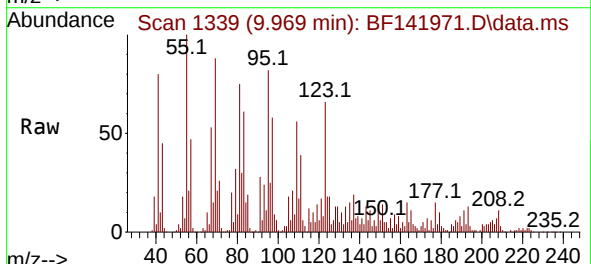
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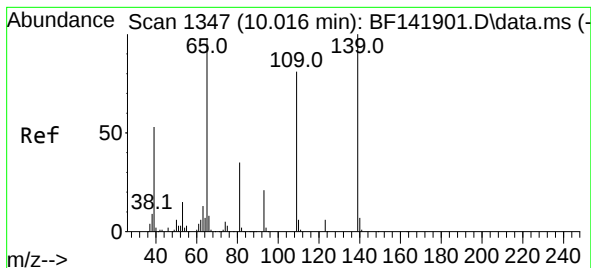
Tgt Ion:138 Resp: 7363
Ion Ratio Lower Upper
138 100
108 87.5 9.3 13.9#
92 44.4 93.5 140.3#



#54
2,4-Dinitrophenol
Concen: 6.953 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:184 Resp: 598
Ion Ratio Lower Upper
184 100
63 1012.3 60.2 90.4#
154 1049.8 132.9 199.3#

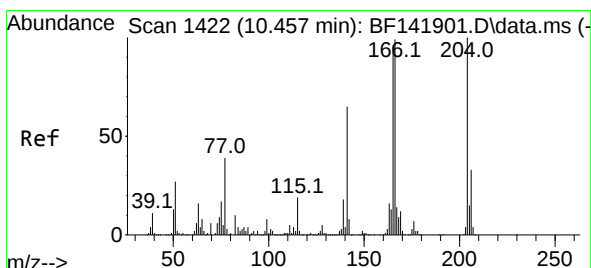
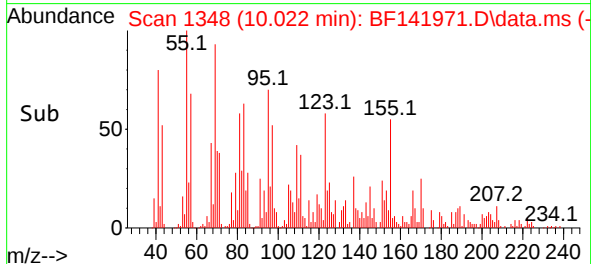
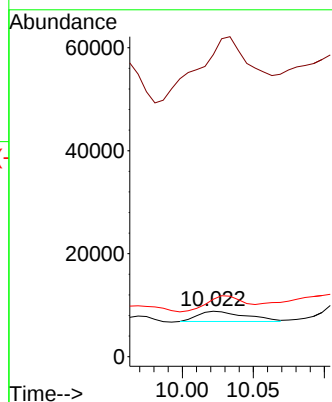
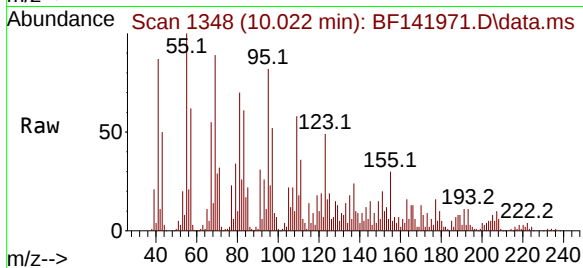




#56
4-Nitrophenol
Concen: 2.431 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

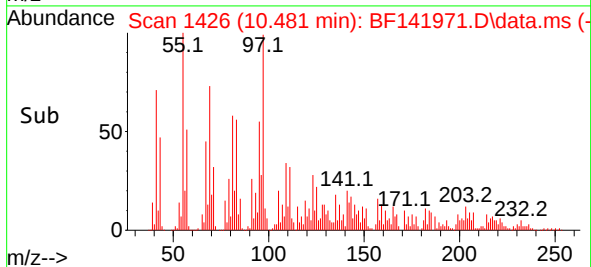
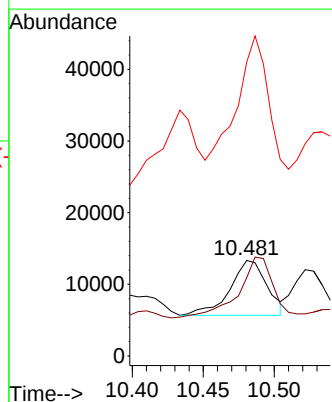
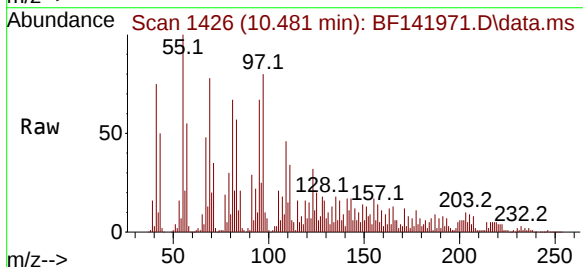
Instrument :
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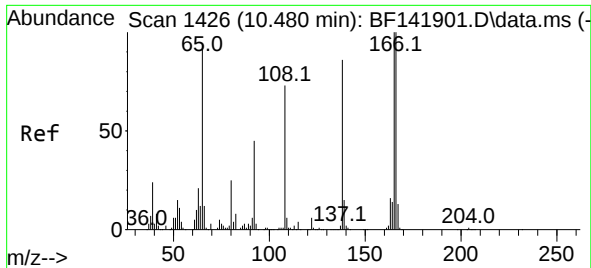
Tgt Ion:139 Resp: 4739
Ion Ratio Lower Upper
139 100
109 663.5 61.6 101.6#
65 126.1 79.4 119.4#



#61
4-Chlorophenyl-phenylether
Concen: 2.337 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.024 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:204 Resp: 13859
Ion Ratio Lower Upper
204 100
206 82.0 26.8 40.2#
141 307.4 52.4 78.6#

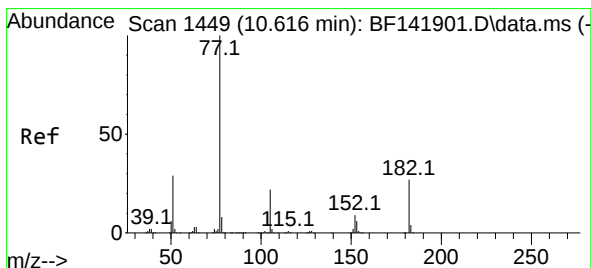
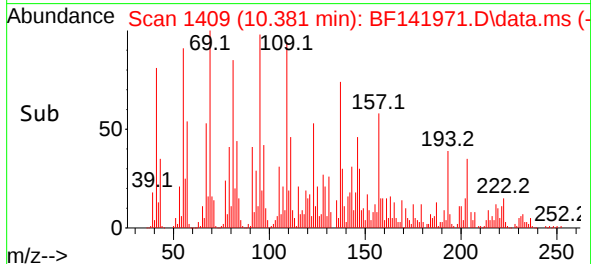
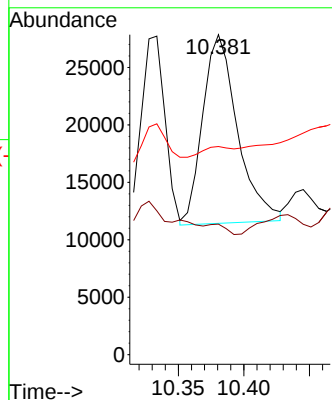
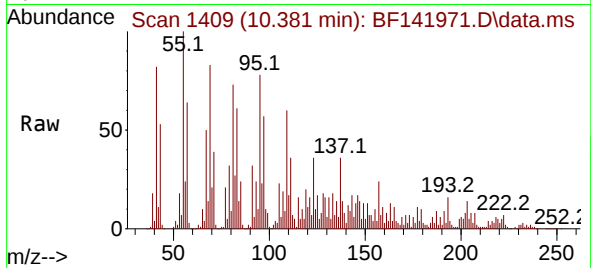




#62
4-Nitroaniline
Concen: 12.090 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.100 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

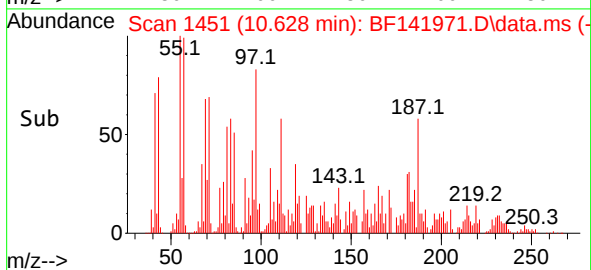
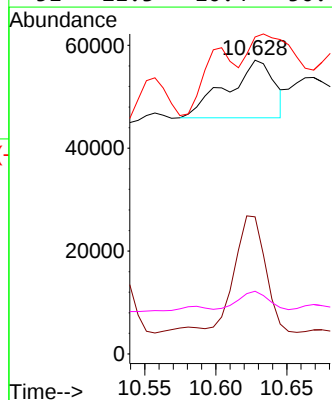
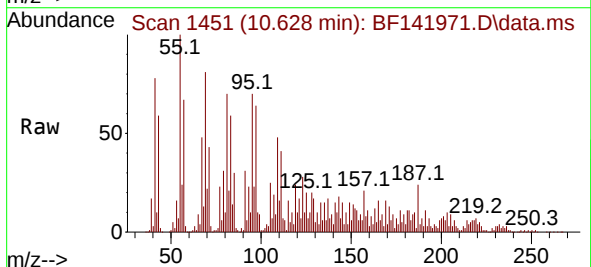
Instrument :
BNA_F
ClientSampleId :
RT2321

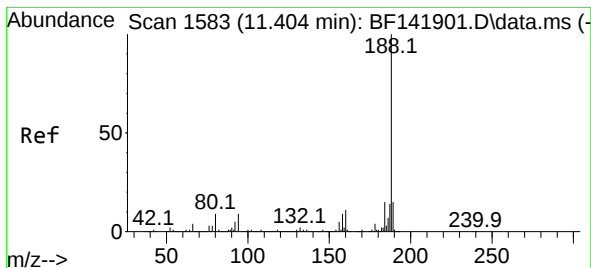
Tgt Ion:138 Resp: 30423
Ion Ratio Lower Upper
138 100
92 40.8 32.6 72.6
108 65.0 65.0 105.0



#63
Azobenzene
Concen: 2.269 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion: 77 Resp: 25740
Ion Ratio Lower Upper
77 100
182 46.7 6.6 46.6#
105 107.9 1.3 41.3#
51 21.3 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

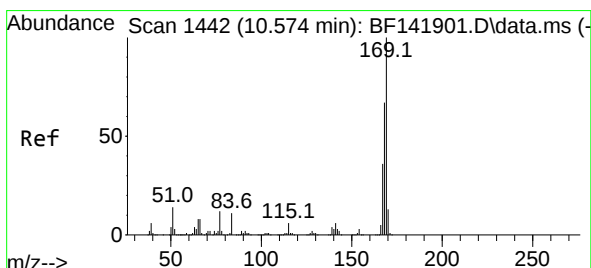
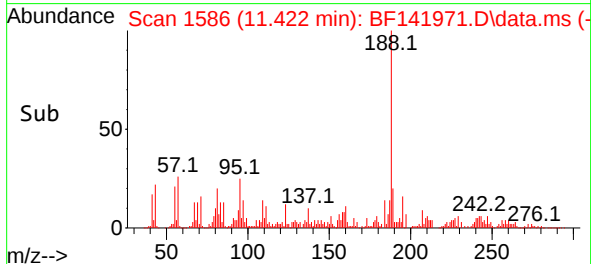
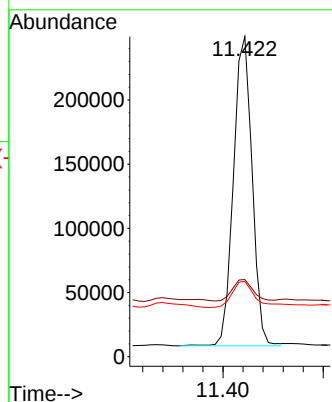
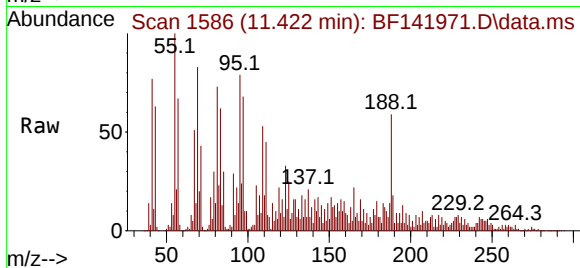
Tgt Ion:188 Resp: 311287

Ion Ratio Lower Upper

188 100

94 24.1 6.8 10.2#

80 23.6 7.6 11.4#



#66

n-Nitrosodiphenylamine

Concen: 8.796 ng

RT: 10.586 min Scan# 1444

Delta R.T. 0.012 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

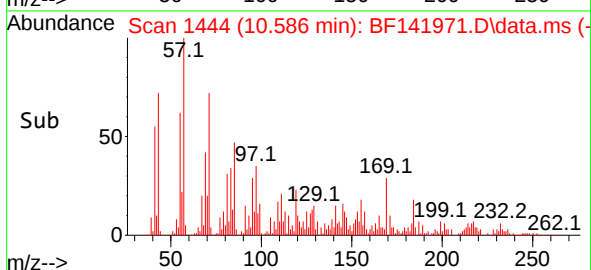
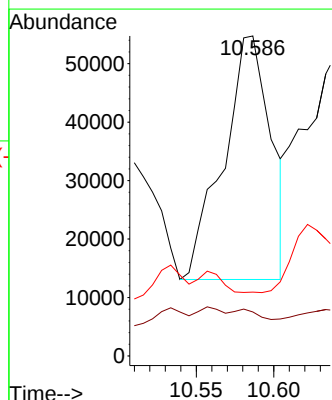
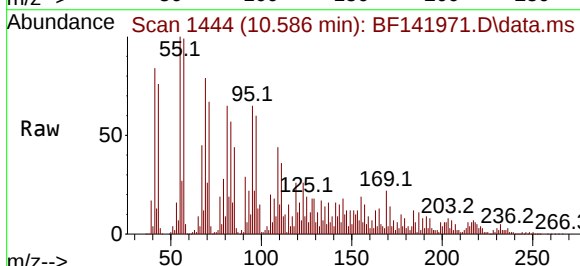
Tgt Ion:169 Resp: 88609

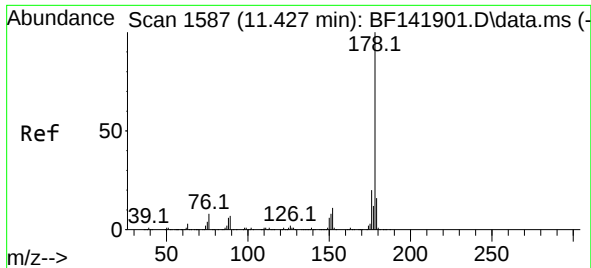
Ion Ratio Lower Upper

169 100

168 13.7 53.7 80.5#

167 19.9 29.2 43.8#

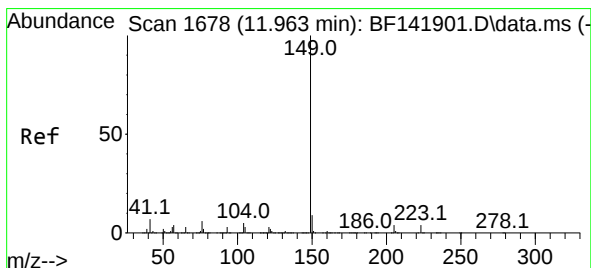
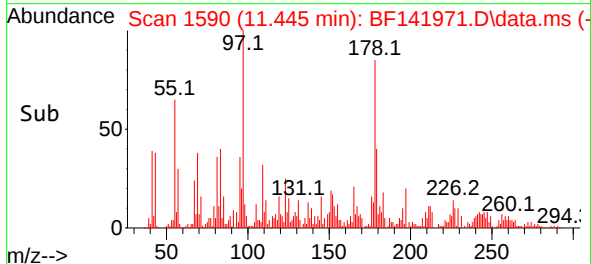
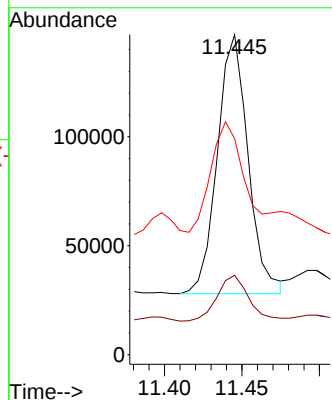
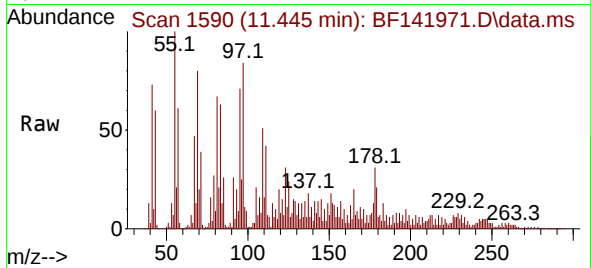




#71
Phenanthrene
Concen: 9.745 ng
RT: 11.445 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

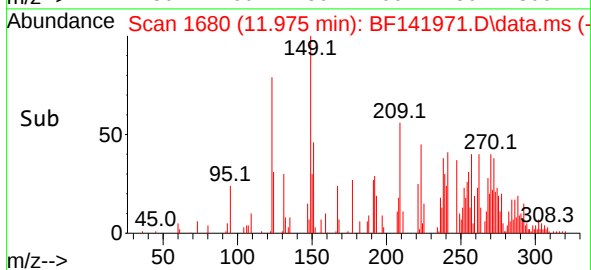
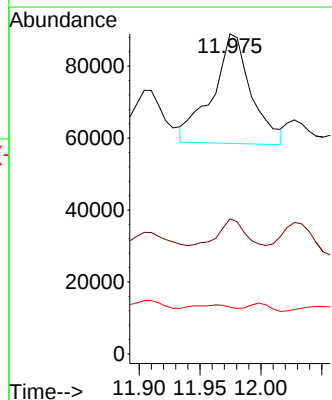
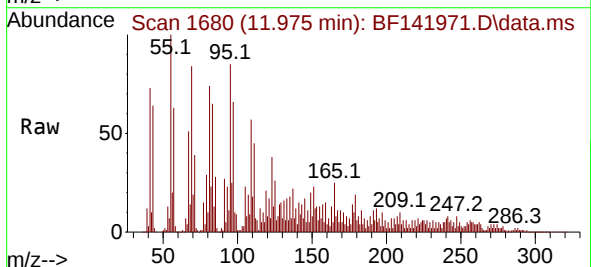
Instrument :
BNA_F
ClientSampleId :
RT2321

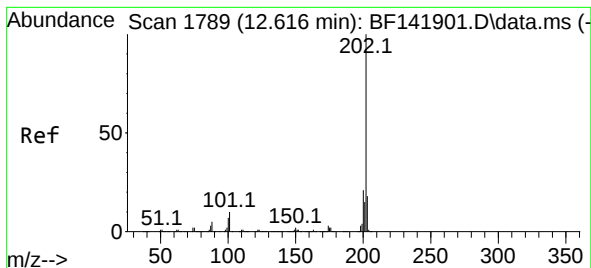
Tgt Ion:178 Resp: 163851
Ion Ratio Lower Upper
178 100
176 24.8 15.8 23.8#
179 67.5 12.6 19.0#



#74
Di-n-butylphthalate
Concen: 3.465 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.012 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:149 Resp: 66888
Ion Ratio Lower Upper
149 100
150 42.2 7.6 11.4#
104 14.7 4.4 6.6#





#75

Fluoranthene

Concen: 3.155 ng

RT: 12.639 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

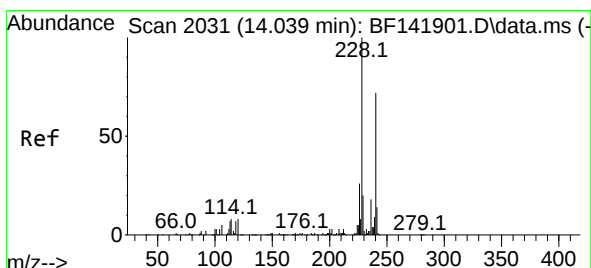
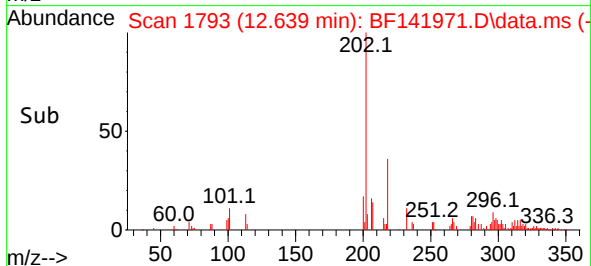
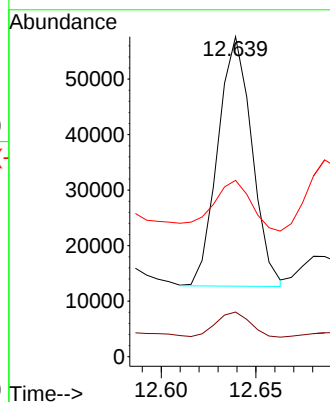
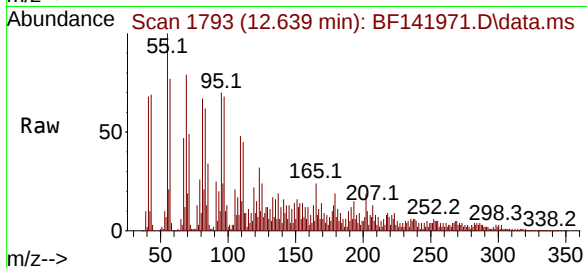
Tgt Ion:202 Resp: 56263

Ion Ratio Lower Upper

202 100

101 13.9 0.0 29.7

203 55.1 0.0 37.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

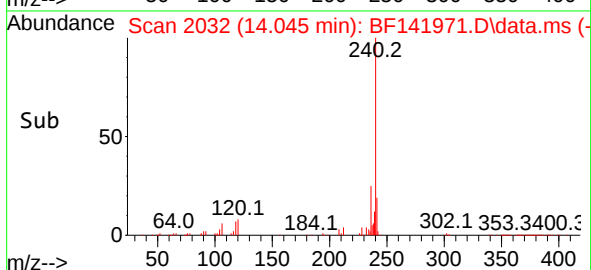
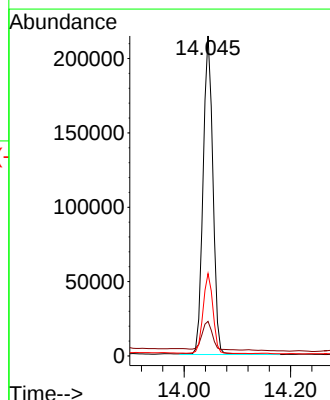
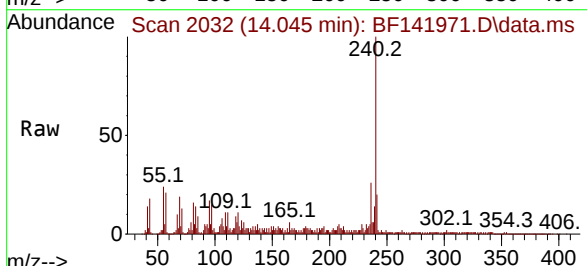
Tgt Ion:240 Resp: 274363

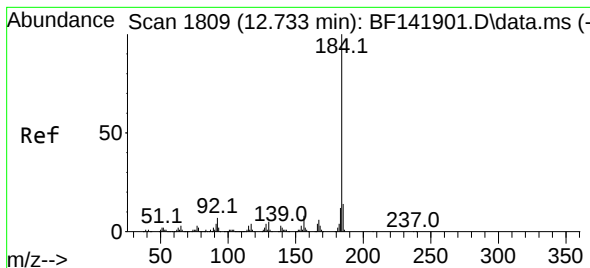
Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

236 25.8 20.5 30.7





#77

Benzidine

Concen: 3.565 ng

RT: 12.710 min Scan# 1805

Delta R.T. -0.023 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

Instrument :

BNA_F

ClientSampleId :

RT2321

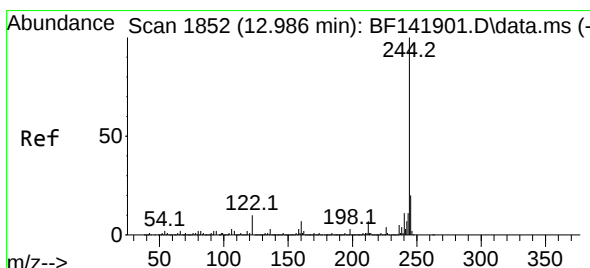
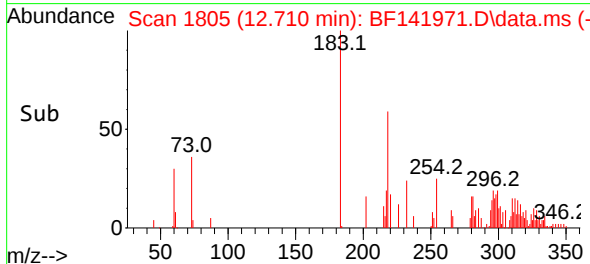
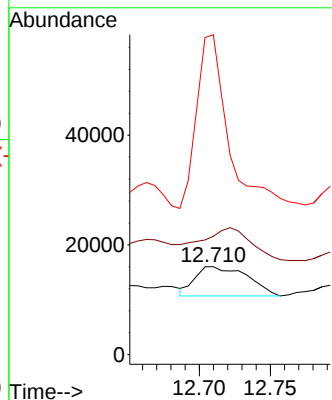
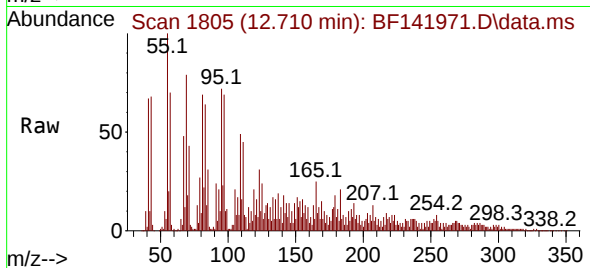
Tgt Ion:184 Resp: 13645

Ion Ratio Lower Upper

184 100

185 134.5 11.5 17.3#

183 363.4 9.7 14.5#



#79

Terphenyl-d14

Concen: 13.597 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.012 min

Lab File: BF141971.D

Acq: 14 Mar 2025 18:06

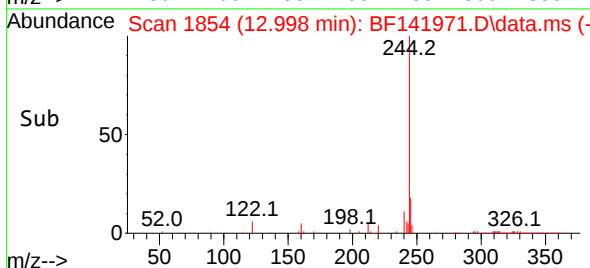
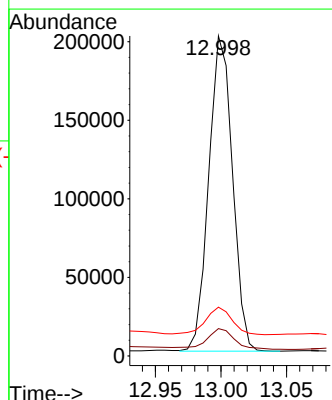
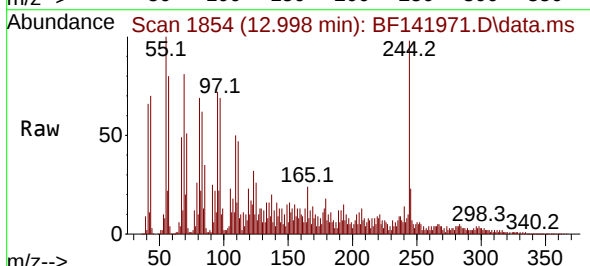
Tgt Ion:244 Resp: 252332

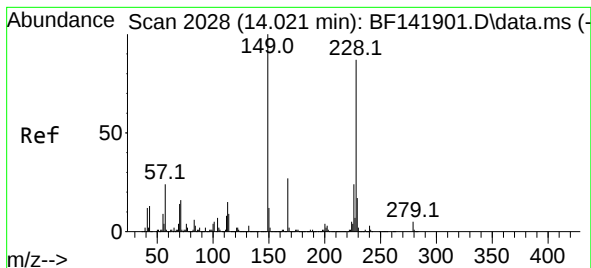
Ion Ratio Lower Upper

244 100

212 8.6 6.0 9.0

122 15.3 7.7 11.5#

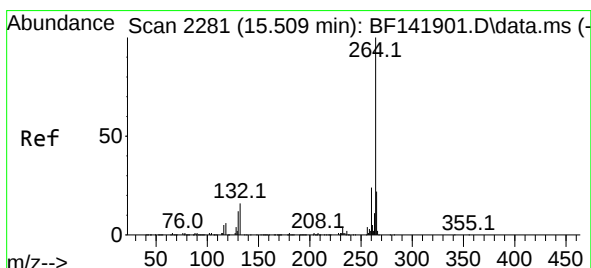
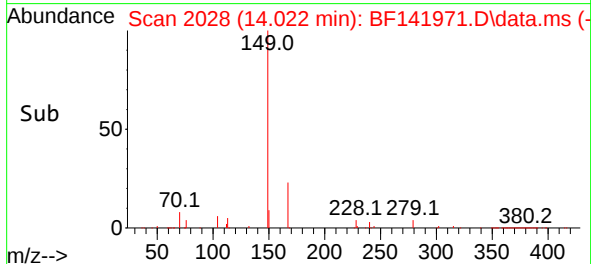
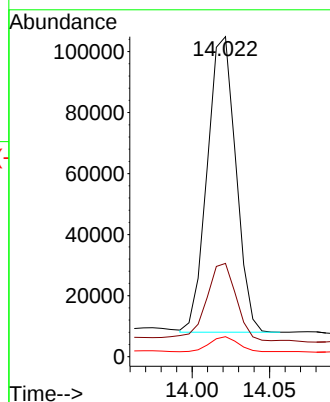
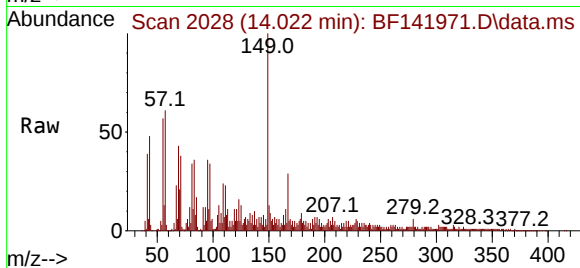




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.718 ng
RT: 14.022 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

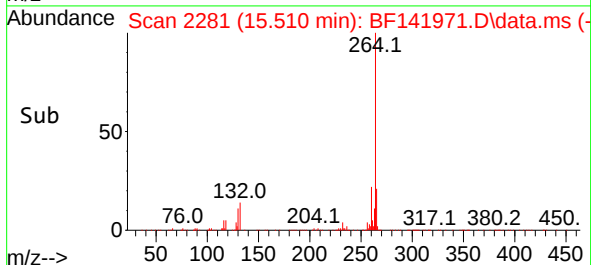
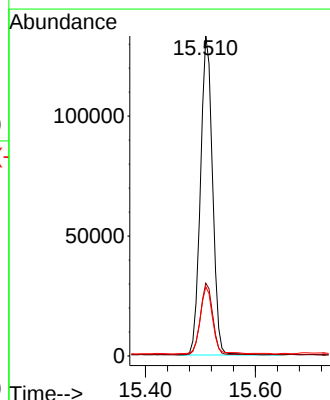
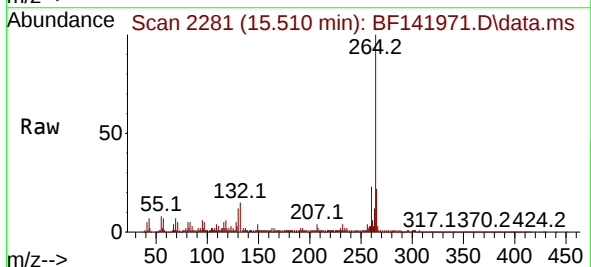
Instrument :
BNA_F
ClientSampleId :
RT2321

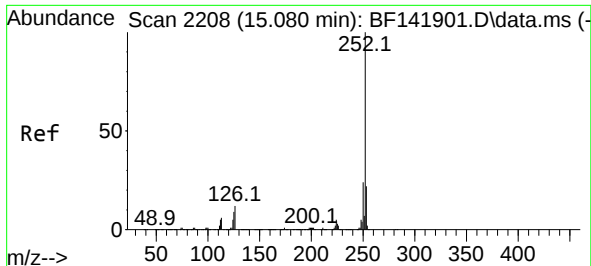
Tgt Ion:149 Resp: 124458
Ion Ratio Lower Upper
149 100
167 29.2 21.4 32.0
279 6.3 3.8 5.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:264 Resp: 203158
Ion Ratio Lower Upper
264 100
260 22.8 19.1 28.7
265 21.6 17.5 26.3

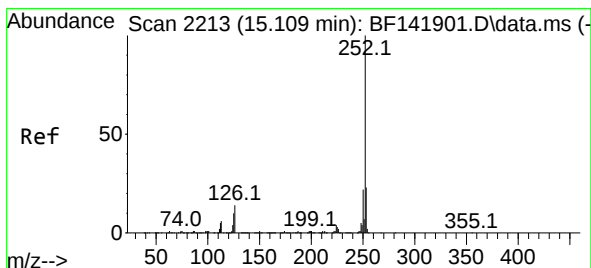
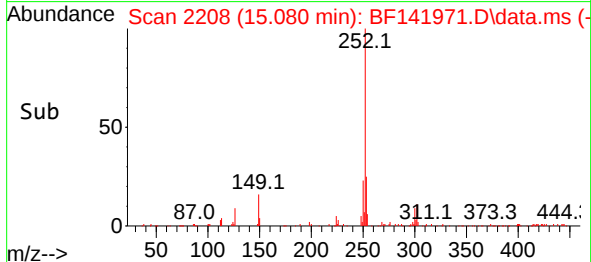
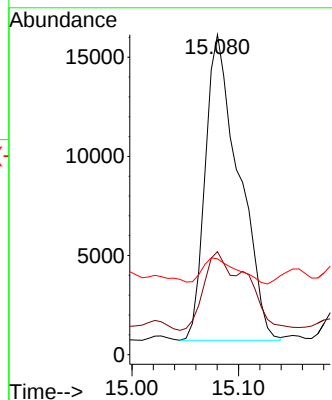
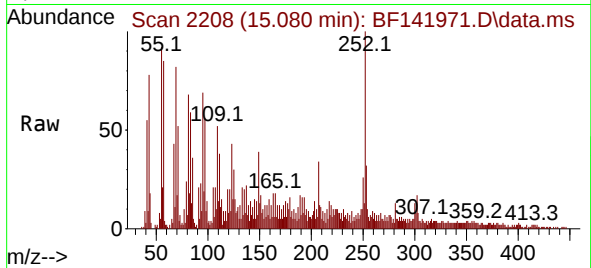




#88
Benzo(b)fluoranthene
Concen: 2.425 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Instrument :
BNA_F
ClientSampleId :
RT2321

Tgt Ion:252 Resp: 33764
Ion Ratio Lower Upper
252 100
253 32.2 17.5 26.3#
125 30.0 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 2.834 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.029 min
Lab File: BF141971.D
Acq: 14 Mar 2025 18:06

Tgt Ion:252 Resp: 33764
Ion Ratio Lower Upper
252 100
253 32.2 17.7 26.5#
125 30.0 7.2 10.8#

