

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
 Data File : BF141976.D
 Acq On : 17 Mar 2025 11:12
 Operator : RC/JU
 Sample : Q1549-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Quant Time: Mar 17 11:39:33 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

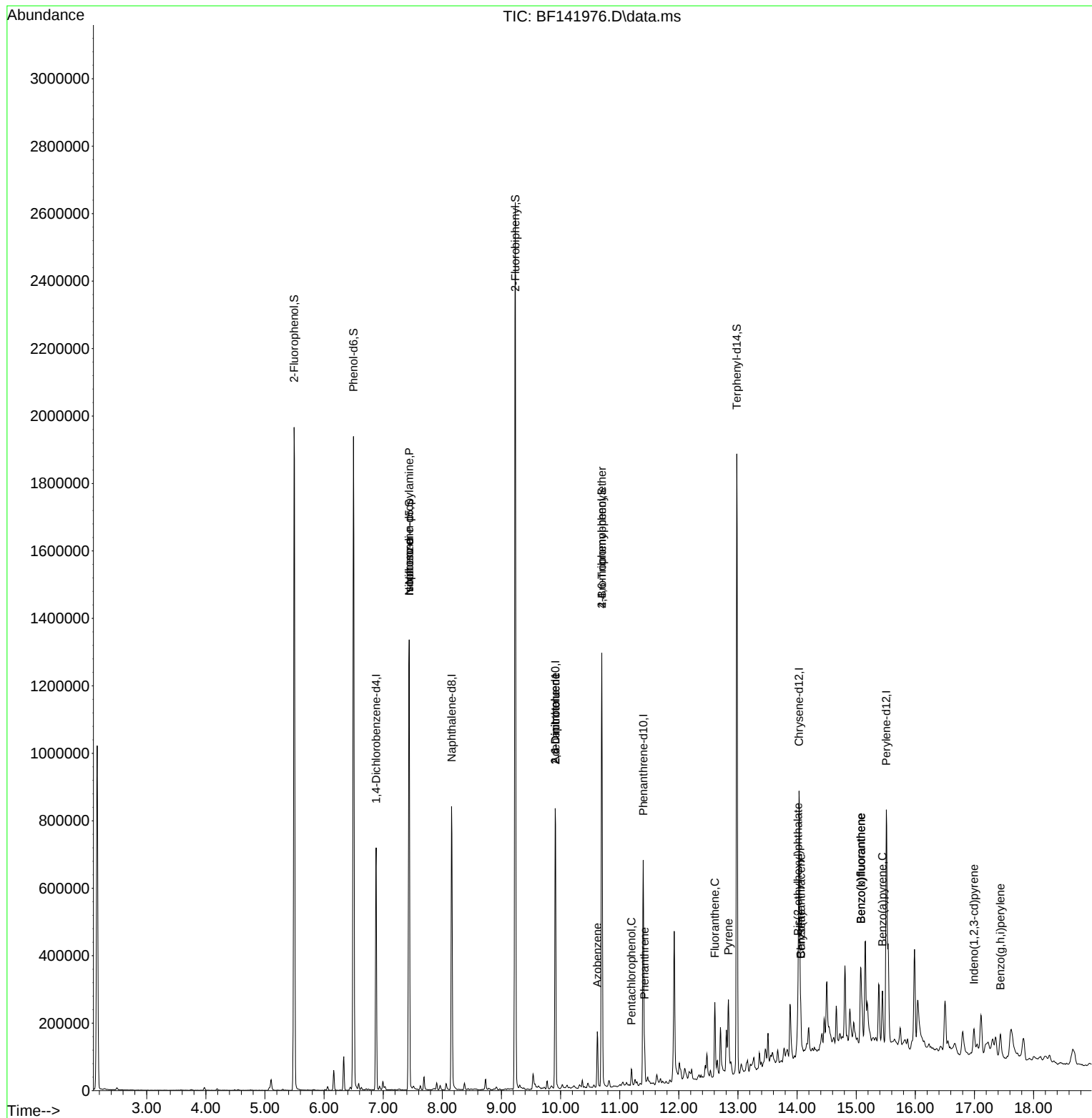
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	150219	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	538640	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	252205	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	333117	20.000	ng	0.00
76) Chrysene-d12	14.033	240	338375	20.000	ng	0.00
86) Perylene-d12	15.509	264	406490	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	776268	86.245	ng	0.00
7) Phenol-d6	6.498	99	931218	81.259	ng	0.00
23) Nitrobenzene-d5	7.439	82	612438	63.986	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	230901	72.167	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1132190	68.272	ng	0.00
79) Terphenyl-d14	12.980	244	908188	39.681	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	85243	11.576	ng	# 76
25) Isophorone	7.439	82	604366	35.721	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	32390	8.808	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	32390	6.744	ng	# 25
63) Azobenzene	10.622	77	40386	2.467	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	14254	3.407	ng	# 1
70) Pentachlorophenol	11.198	266	7450	2.635	ng	95
71) Phenanthrene	11.422	178	56911	3.163	ng	99
75) Fluoranthene	12.610	202	116803	6.120	ng	98
78) Pyrene	12.839	202	113727	3.885	ng	98
81) Benzo(a)anthracene	14.063	228	92982	4.188	ng	96
83) Chrysene	14.063	228	92982	4.620	ng	97
84) Bis(2-ethylhexyl)phtha...	14.015	149	40605	2.571	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	64226	2.442	ng	95
88) Benzo(b)fluoranthene	15.080	252	197376	7.085	ng	# 98
89) Benzo(k)fluoranthene	15.080	252	197376	8.279	ng	# 98
90) Benzo(a)pyrene	15.445	252	91620	4.203	ng	99
92) Benzo(g,h,i)perylene	17.439	276	60654	2.829	ng	96

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

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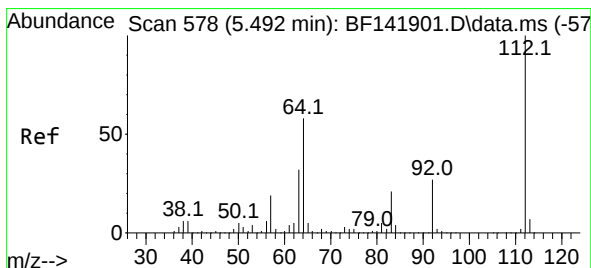
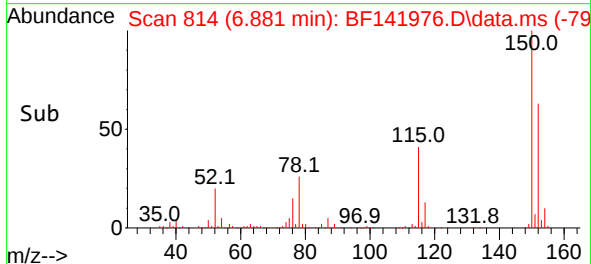
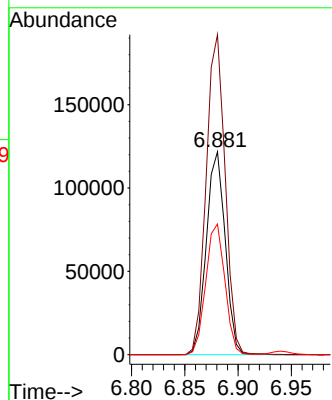
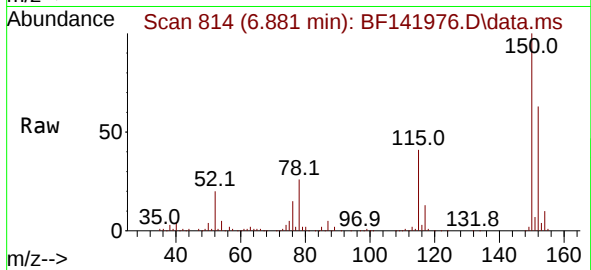




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

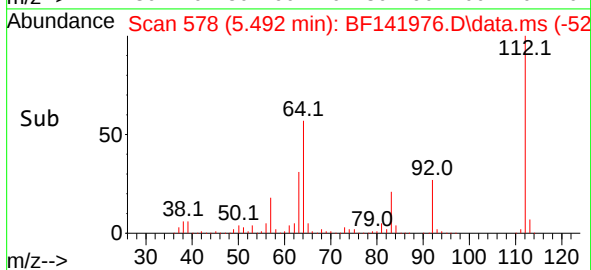
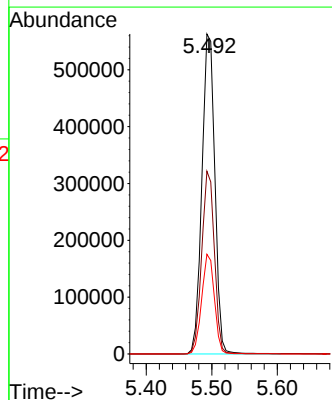
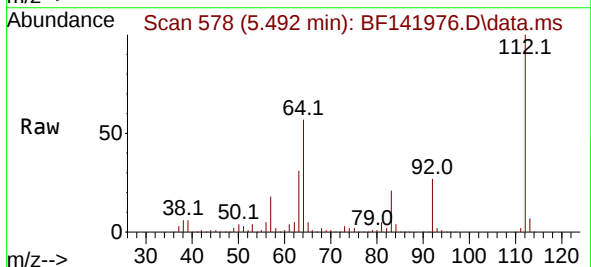
Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:152 Resp: 150219
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 64.4 51.9 77.9



#5
2-Fluorophenol
Concen: 86.245 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:112 Resp: 776268
Ion Ratio Lower Upper
112 100
64 57.1 46.5 69.7
63 31.2 25.4 38.2

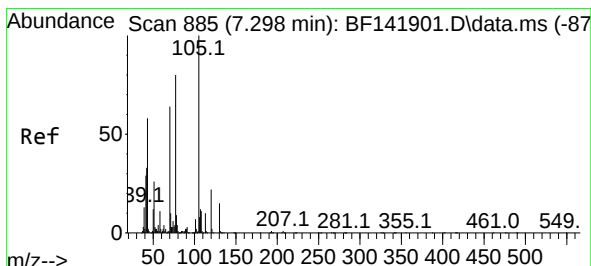
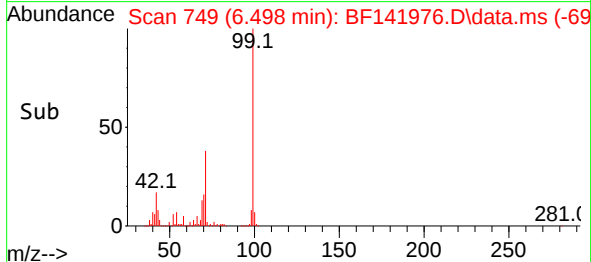
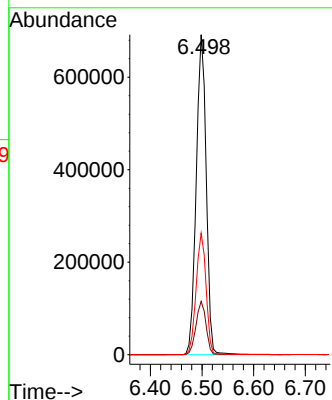
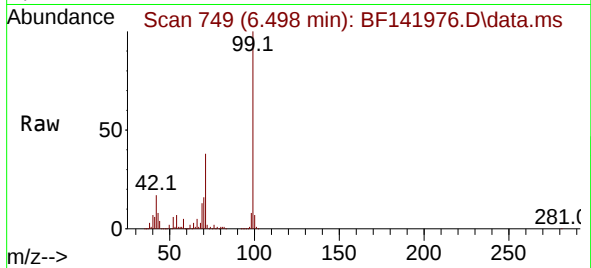




#7
Phenol-d6
Concen: 81.259 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

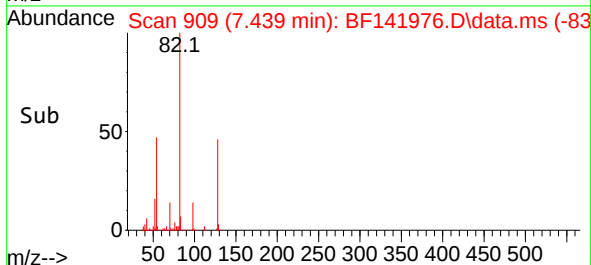
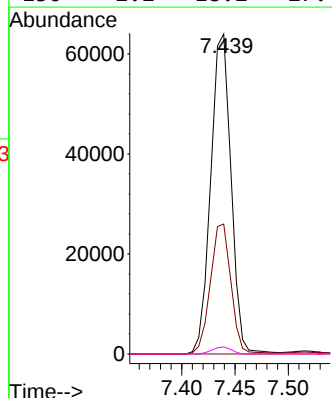
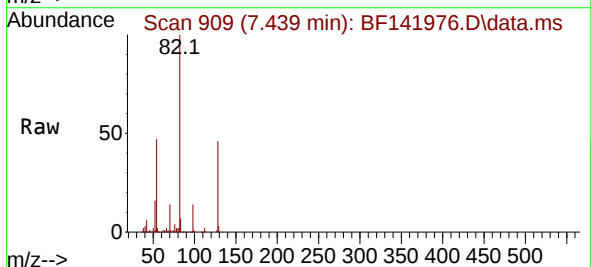
Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion: 99 Resp: 931218
Ion Ratio Lower Upper
99 100
42 16.6 14.6 21.8
71 38.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.576 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion: 70 Resp: 85243
Ion Ratio Lower Upper
70 100
42 40.6 41.4 62.0#
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#

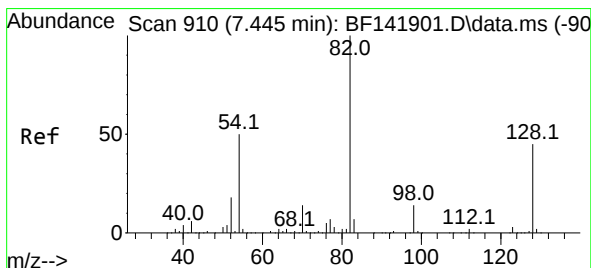
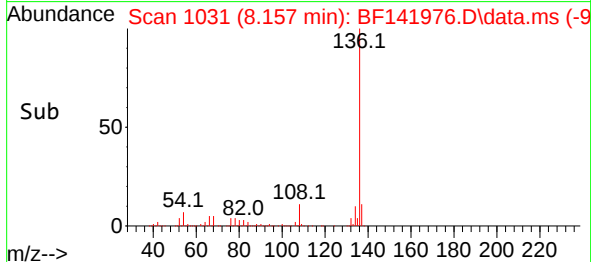
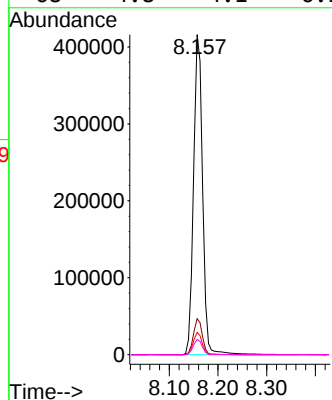
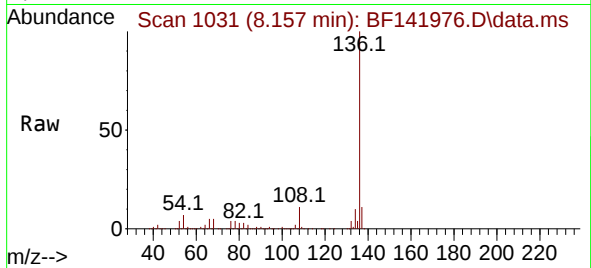




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

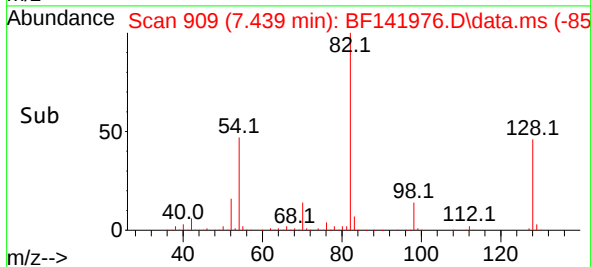
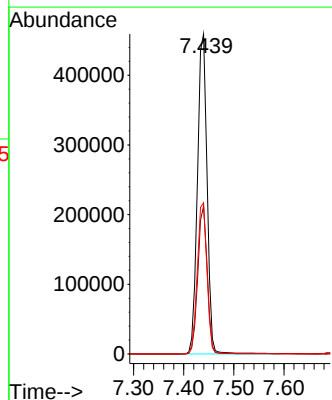
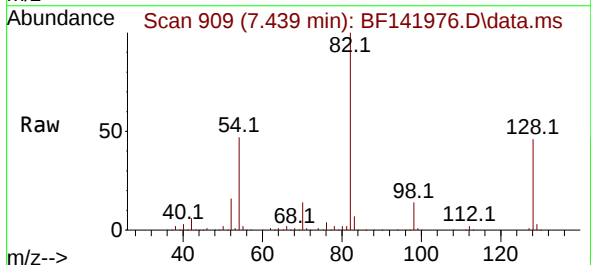
Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:136 Resp: 538640
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.0 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 63.986 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion: 82 Resp: 612438
Ion Ratio Lower Upper
82 100
128 46.2 36.0 54.0
54 47.3 39.6 59.4

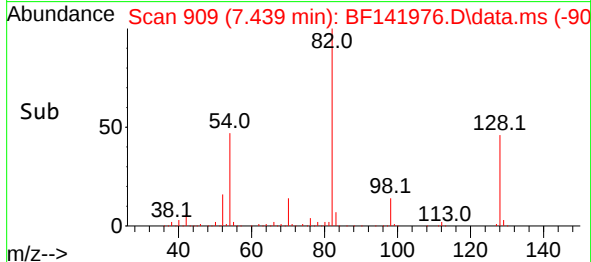
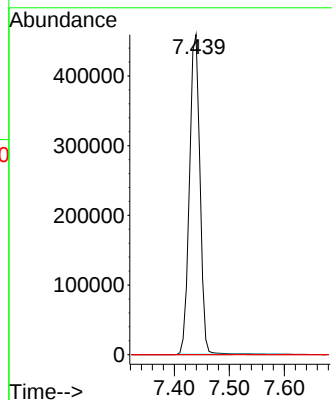
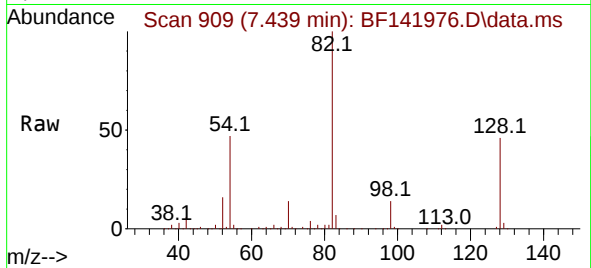




#25
Isophorone
Concen: 35.721 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

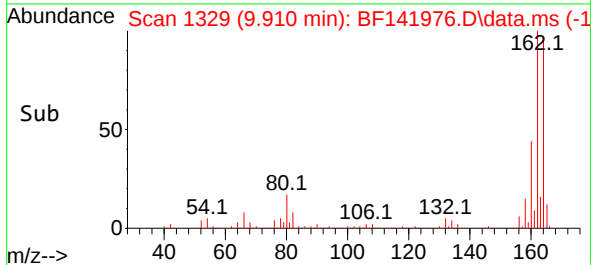
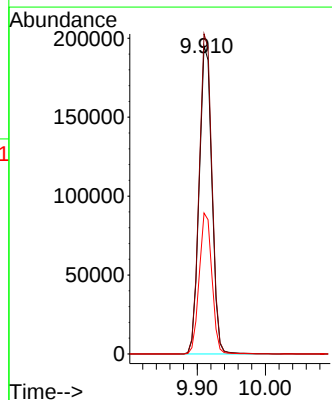
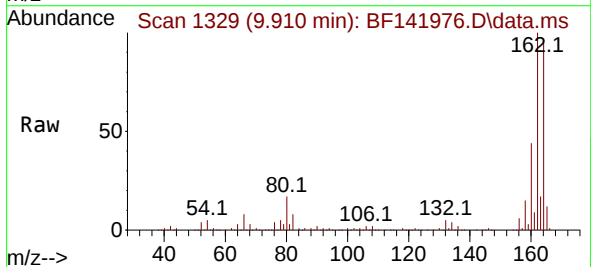
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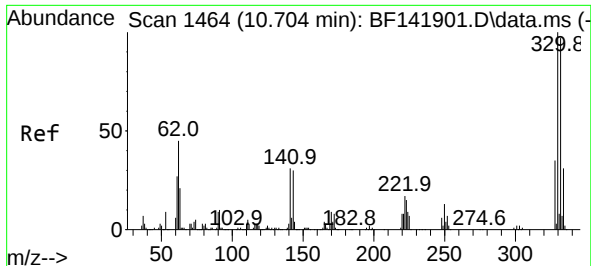
Tgt Ion: 82 Resp: 604366
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:164 Resp: 252205
Ion Ratio Lower Upper
164 100
162 103.9 81.8 122.6
160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 72.167 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

72-11978

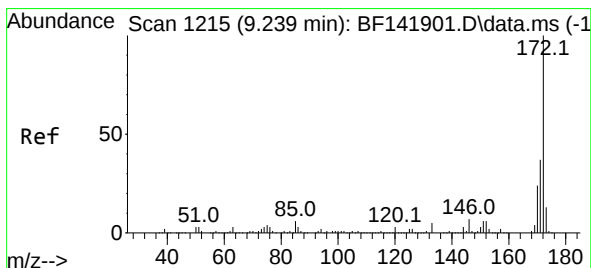
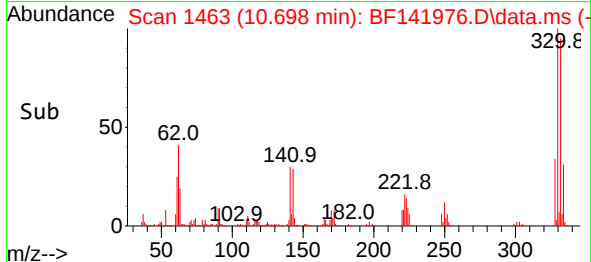
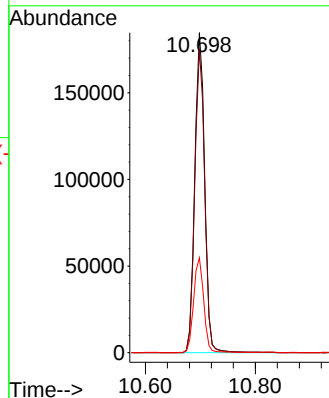
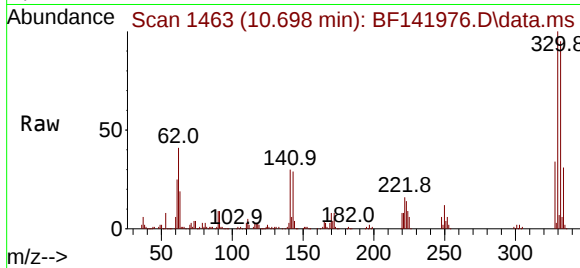
Tgt Ion:330 Resp: 230901

Ion Ratio Lower Upper

330 100

332 94.9 77.6 116.4

141 30.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 68.272 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

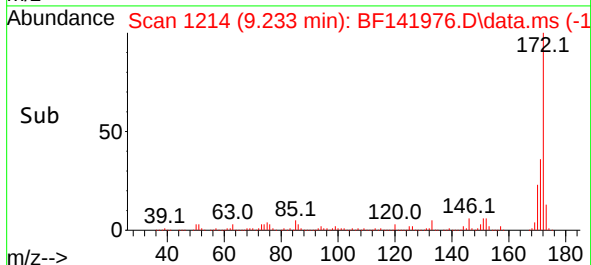
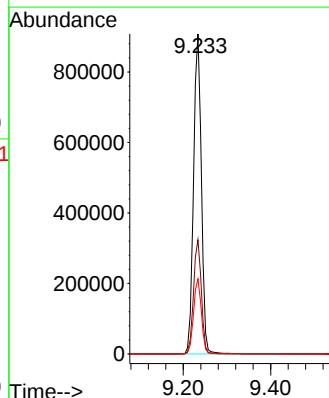
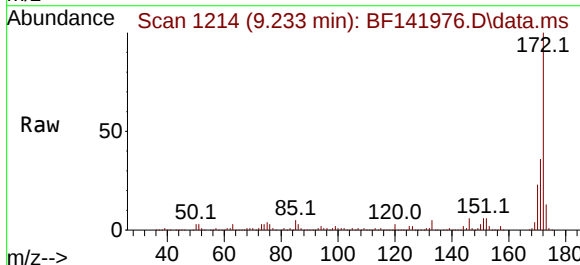
Tgt Ion:172 Resp: 1132190

Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.4 19.4 29.0

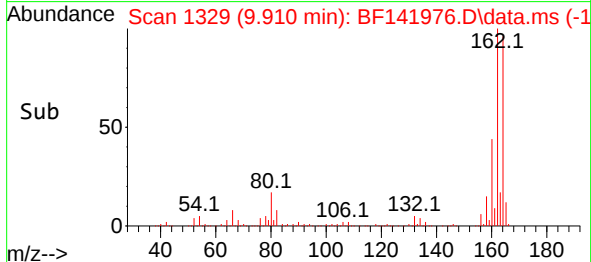
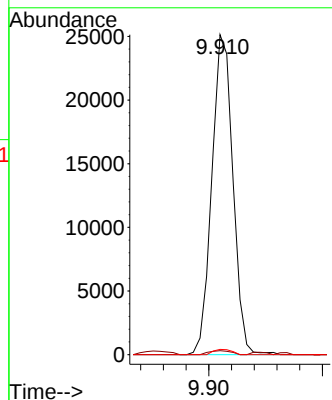
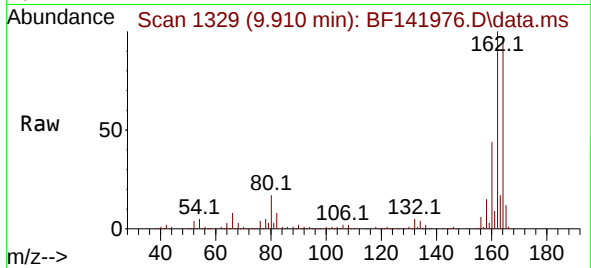




#51
2,6-Dinitrotoluene
Concen: 8.808 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

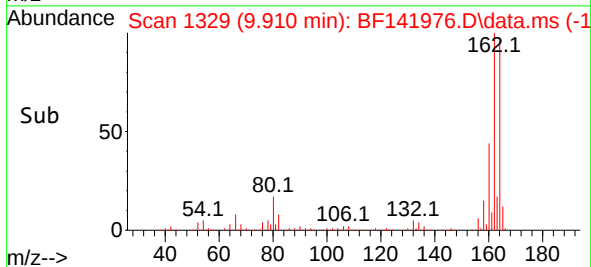
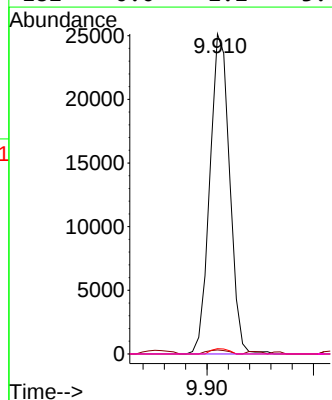
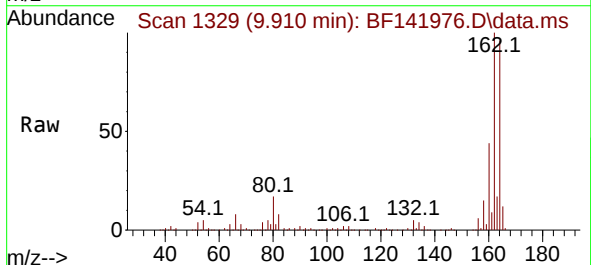
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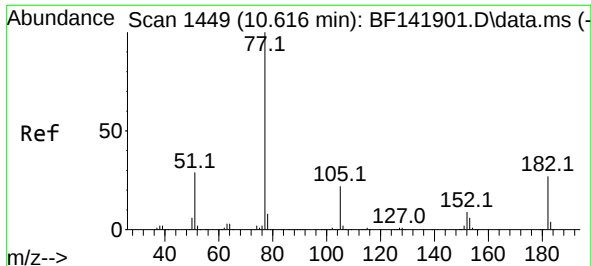
Tgt Ion:165 Resp: 32390
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.6 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.744 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:165 Resp: 32390
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.6 56.6 84.8#
182 0.0 2.2 3.4#

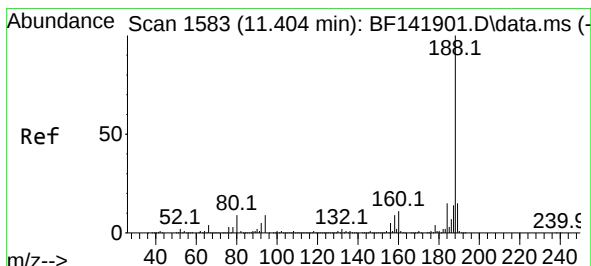
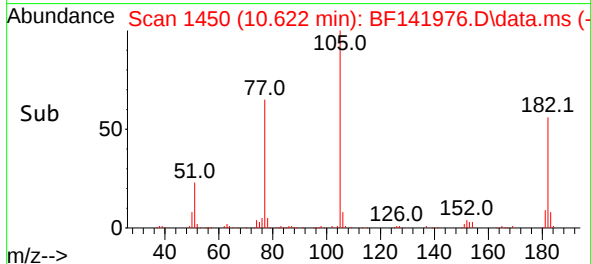
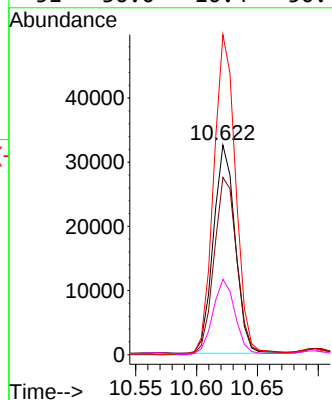
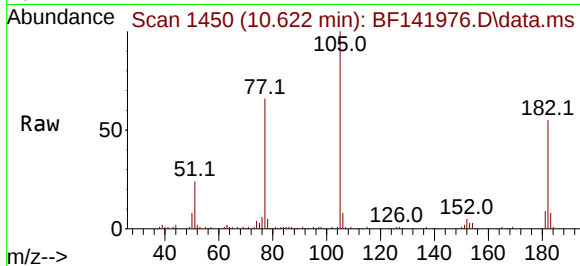




#63
Azobenzene
Concen: 2.467 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

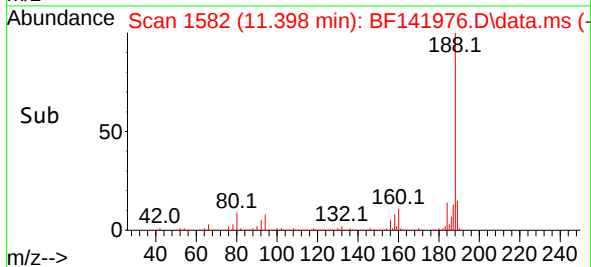
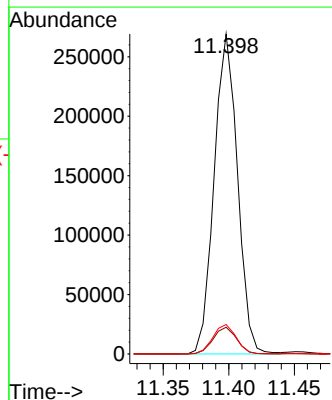
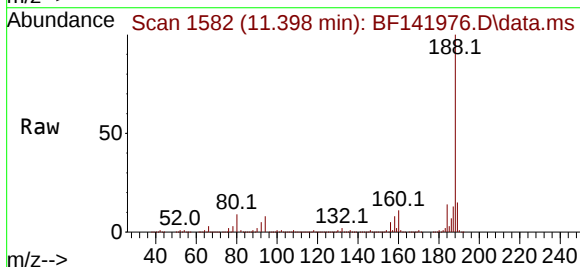
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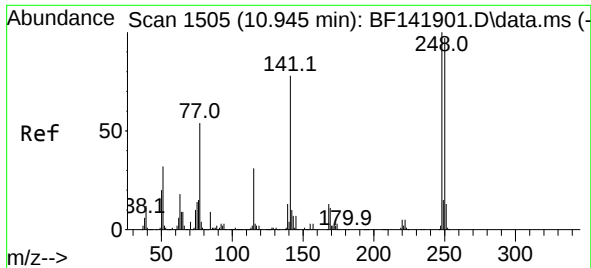
Tgt Ion: 77	Resp: 40386
Ion Ratio	Lower Upper
77	100
182	84.6 6.6 46.6#
105	152.6 1.3 41.3#
51	36.0 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion: 188	Resp: 333117
Ion Ratio	Lower Upper
188	100
94	8.3 6.8 10.2
80	9.2 7.6 11.4

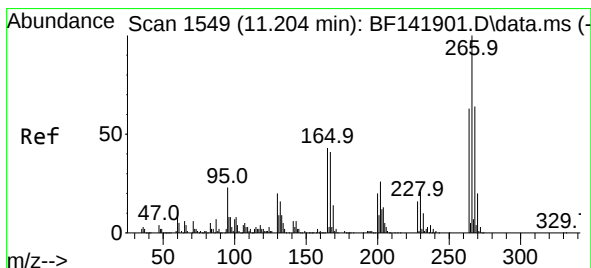
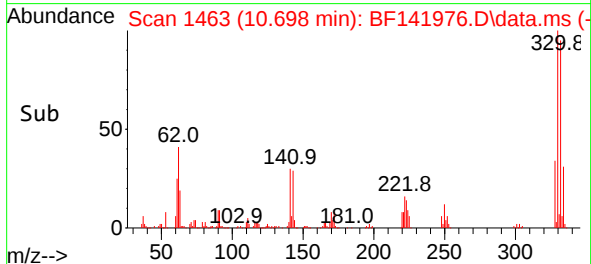
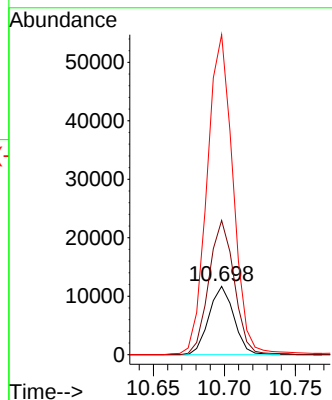
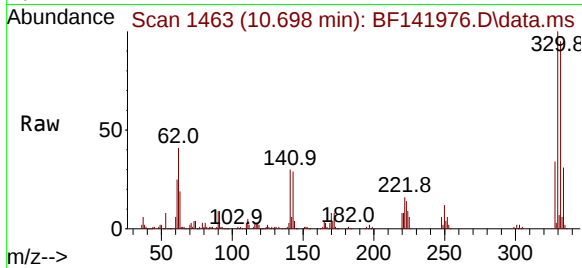




#67
4-Bromophenyl-phenylether
Concen: 3.407 ng
RT: 10.698 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

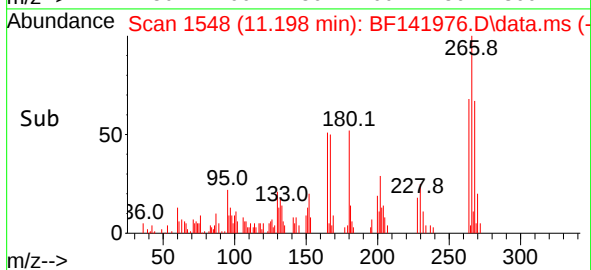
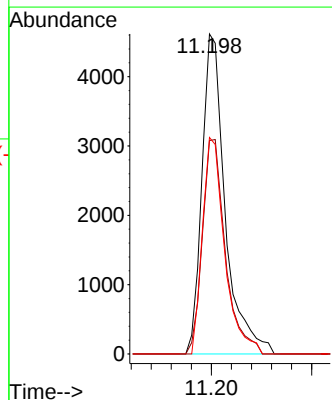
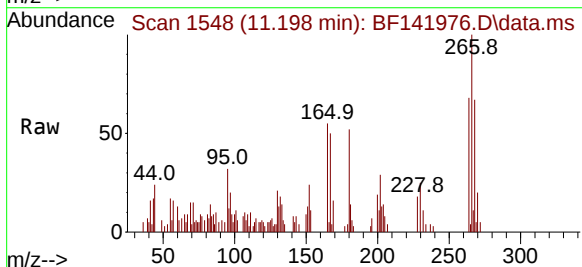
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BNA_F
ClientSampleId :
72-11978

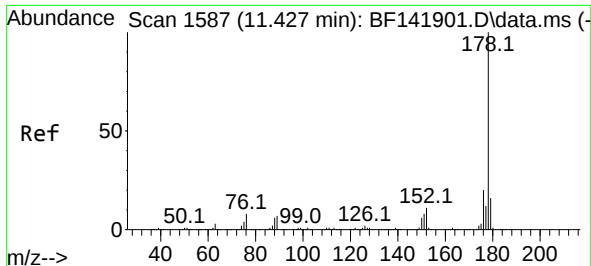
Tgt Ion:248 Resp: 14254
Ion Ratio Lower Upper
248 100
250 196.5 77.8 116.8#
141 468.2 62.6 93.8#



#70
Pentachlorophenol
Concen: 2.635 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:266 Resp: 7450
Ion Ratio Lower Upper
266 100
268 66.7 51.0 76.6
264 67.7 50.2 75.2

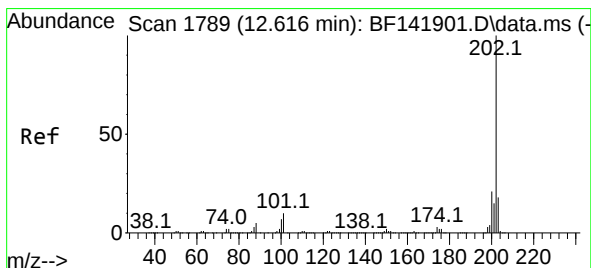
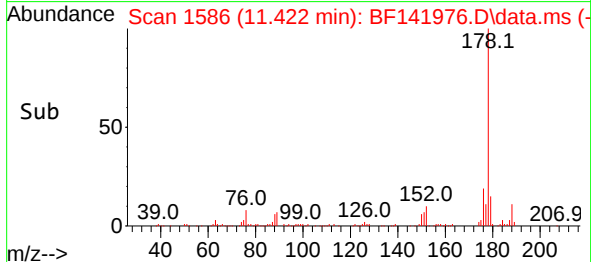
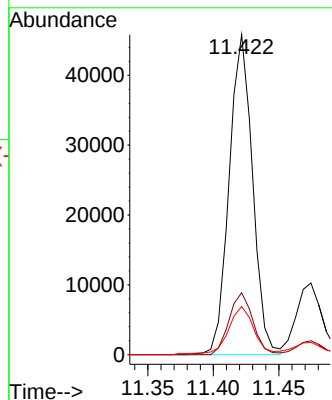
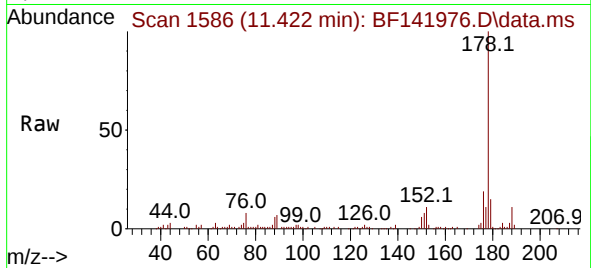




#71
Phenanthrene
Concen: 3.163 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

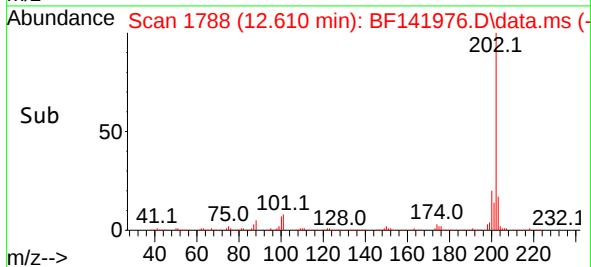
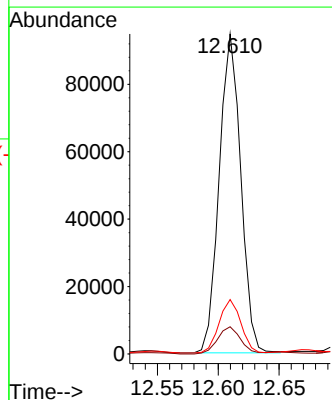
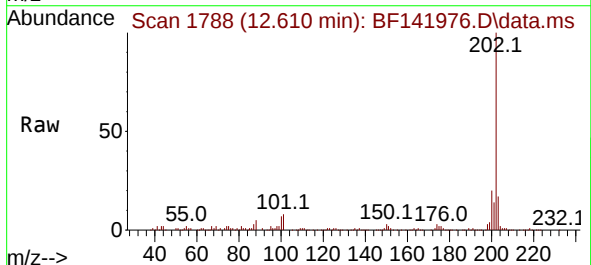
Instrument :
BNA_F
ClientSampleId :
72-11978

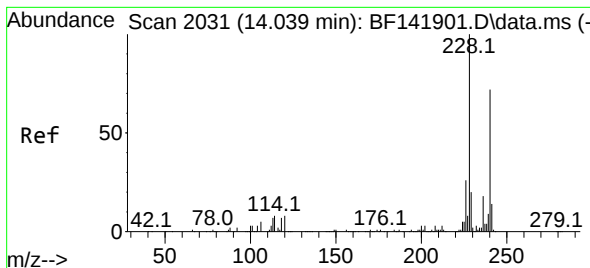
Tgt Ion:178 Resp: 56911
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.0 12.6 19.0



#75
Fluoranthene
Concen: 6.120 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:202 Resp: 116803
Ion Ratio Lower Upper
202 100
101 8.5 0.0 29.7
203 17.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

72-11978

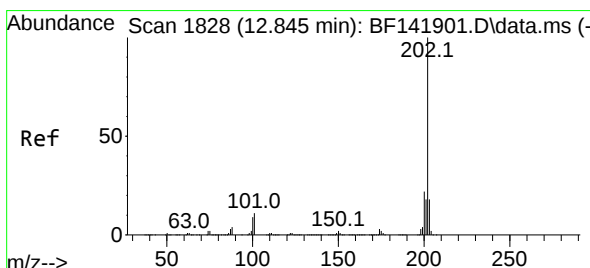
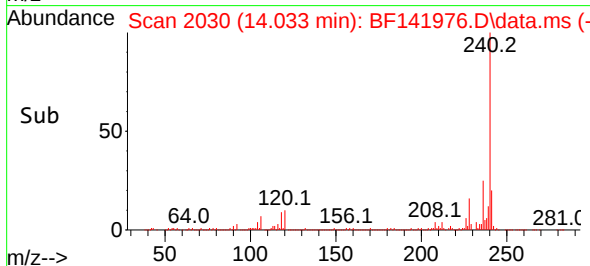
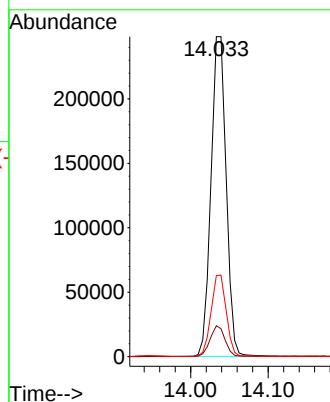
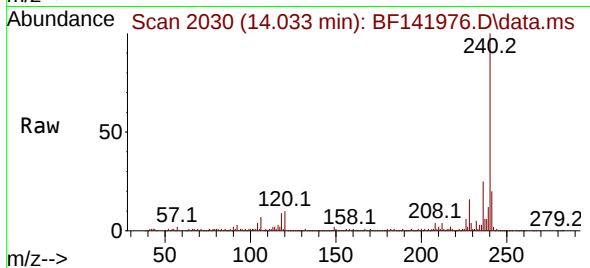
Tgt Ion:240 Resp: 338375

Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

236 25.4 20.5 30.7



#78

Pyrene

Concen: 3.885 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

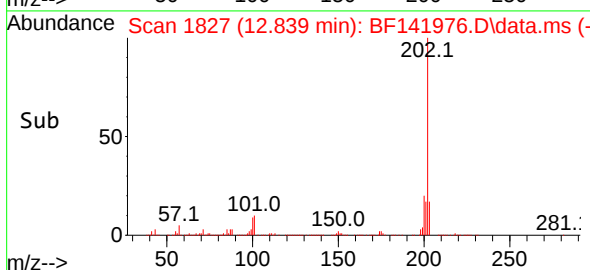
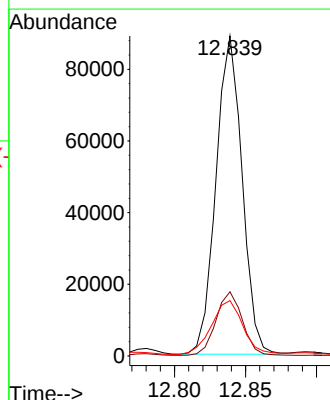
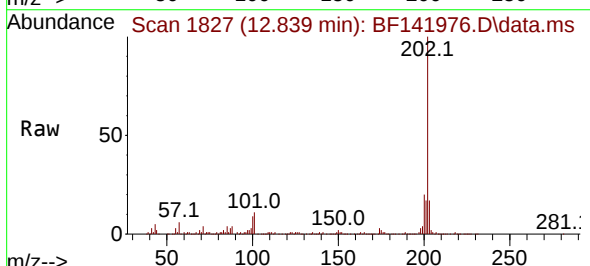
Tgt Ion:202 Resp: 113727

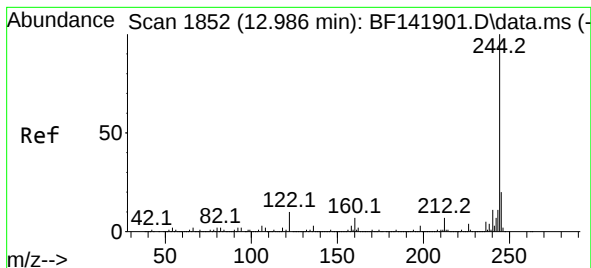
Ion Ratio Lower Upper

202 100

200 20.1 17.3 25.9

203 17.3 14.4 21.6





#79

Terphenyl-d14

Concen: 39.681 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

72-11978

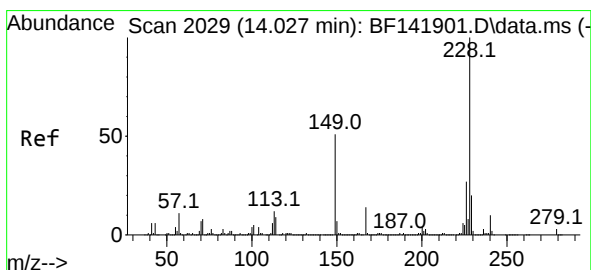
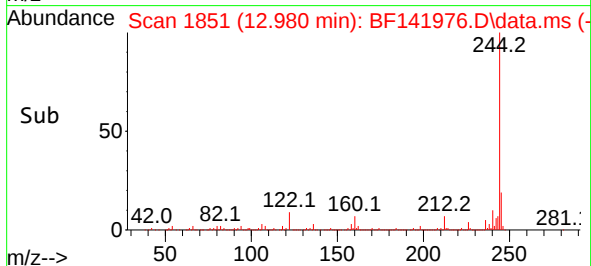
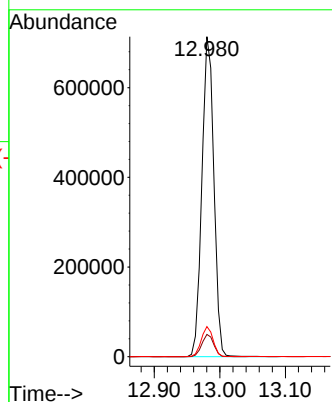
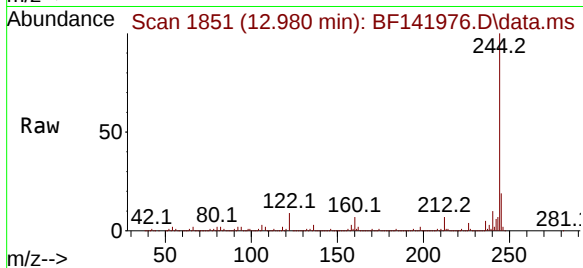
Tgt Ion:244 Resp: 908188

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.4 7.7 11.5



#81

Benzo(a)anthracene

Concen: 4.188 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.035 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

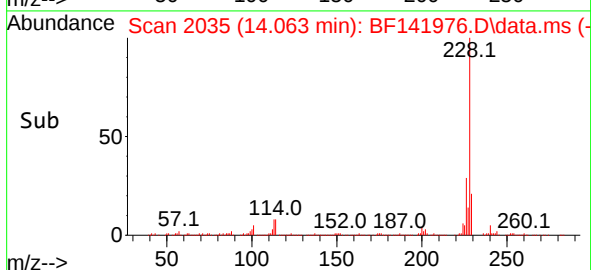
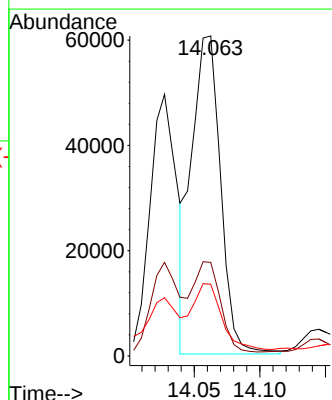
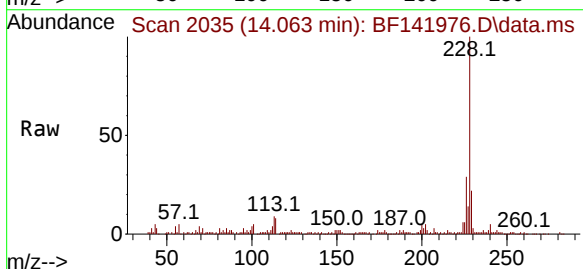
Tgt Ion:228 Resp: 92982

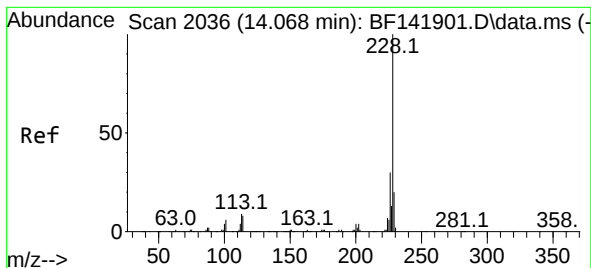
Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

229 22.4 16.0 24.0





#83

Chrysene

Concen: 4.620 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

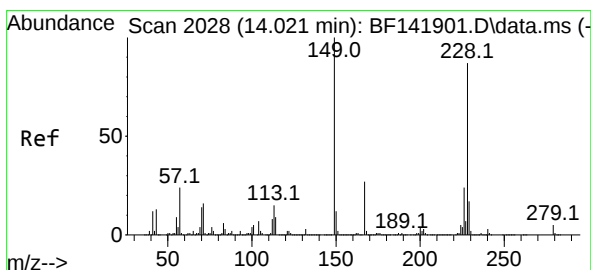
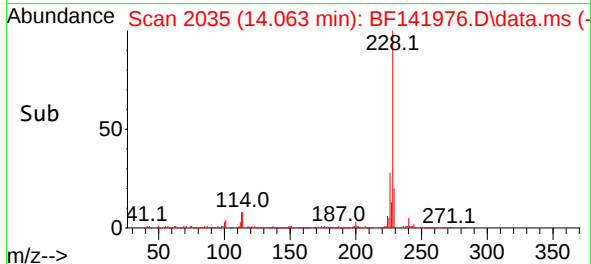
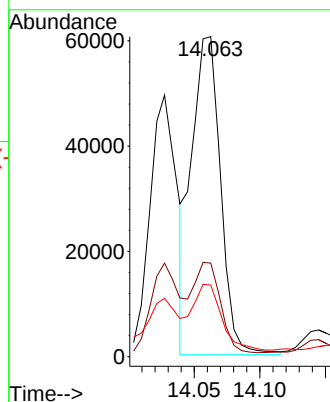
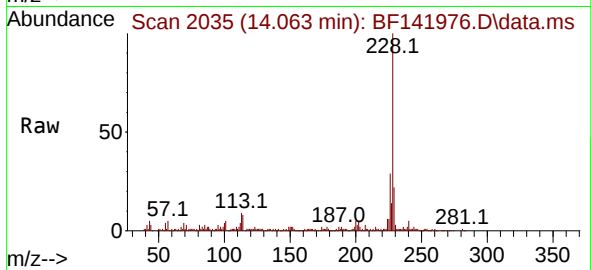
Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:228	Resp:	92982
Ion Ratio	Lower	Upper
228	100	
226	29.2	24.1 36.1
229	22.4	15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.571 ng

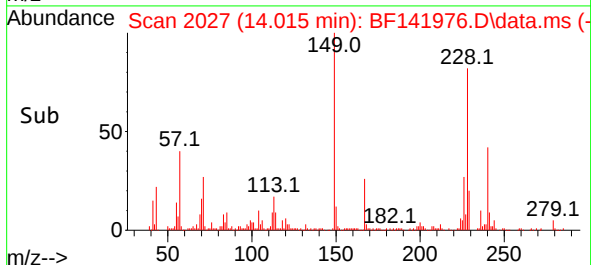
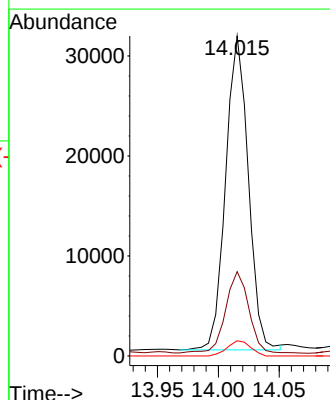
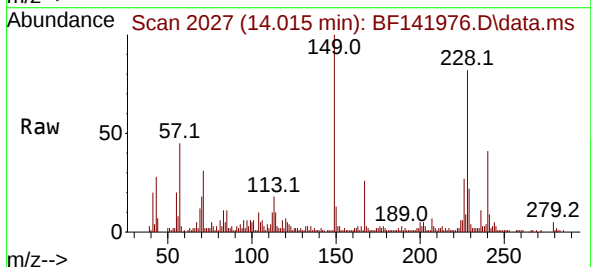
RT: 14.015 min Scan# 2027

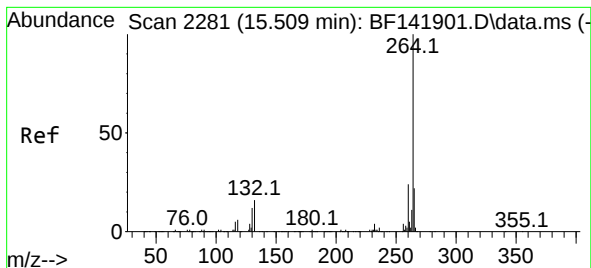
Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Tgt Ion:149	Resp:	40605
Ion Ratio	Lower	Upper
149	100	
167	26.4	21.4 32.0
279	4.7	3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

72-11978

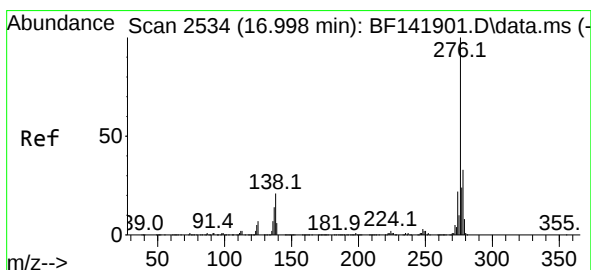
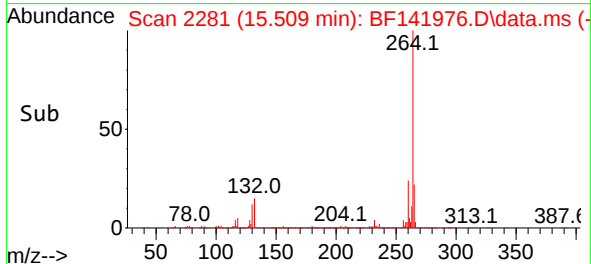
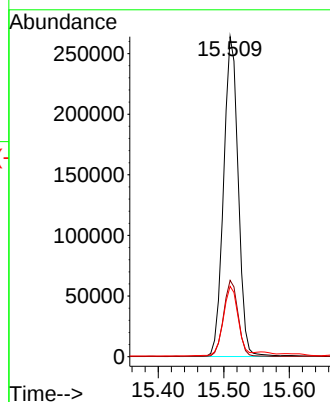
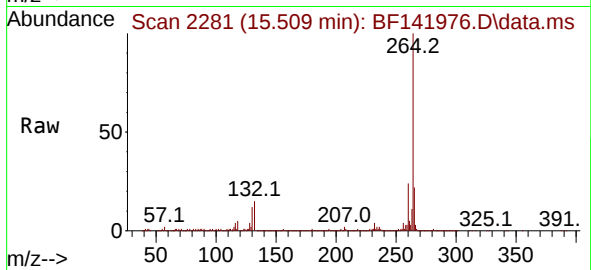
Tgt Ion:264 Resp: 406490

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.442 ng

RT: 16.992 min Scan# 2533

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

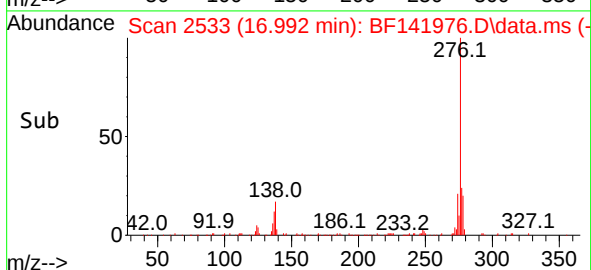
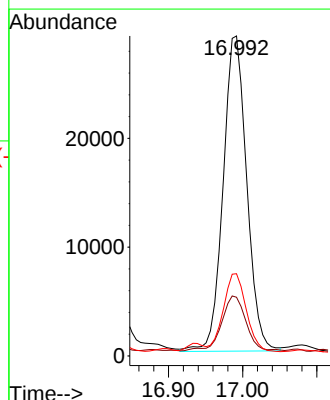
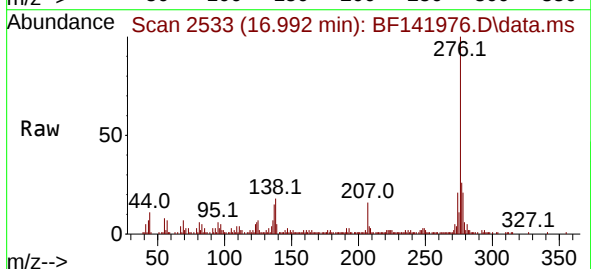
Tgt Ion:276 Resp: 64226

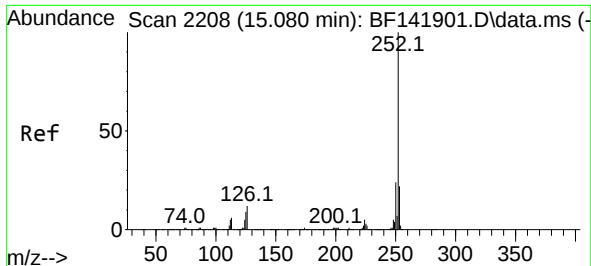
Ion Ratio Lower Upper

276 100

138 18.9 18.4 27.6

277 24.0 20.3 30.5

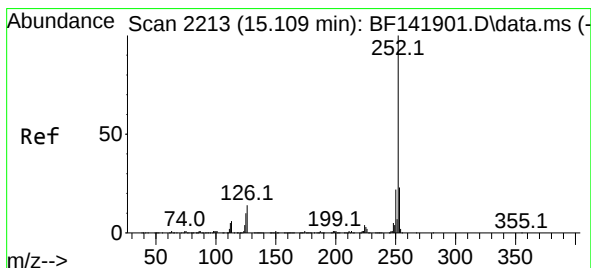
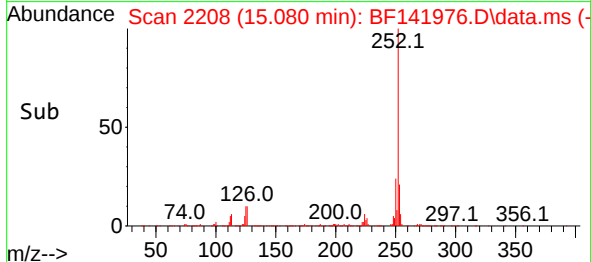
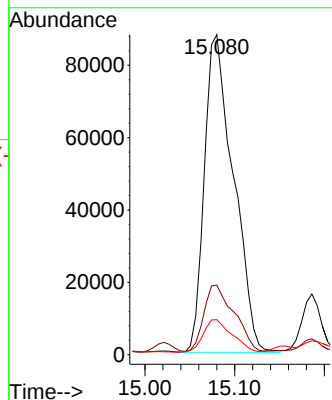
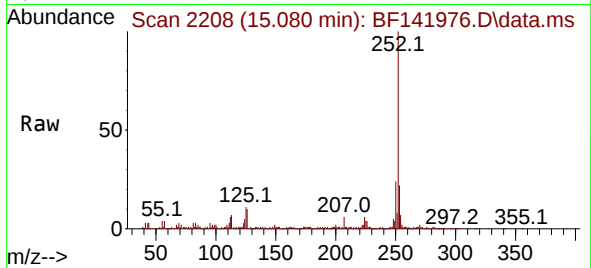




#88
Benzo(b)fluoranthene
Concen: 7.085 ng
RT: 15.080 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

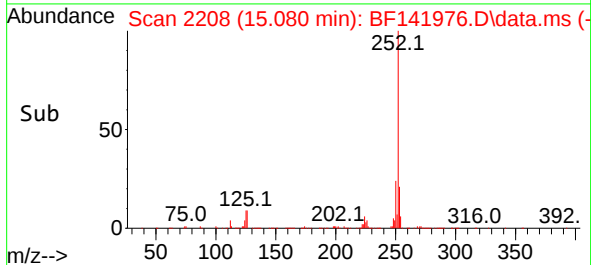
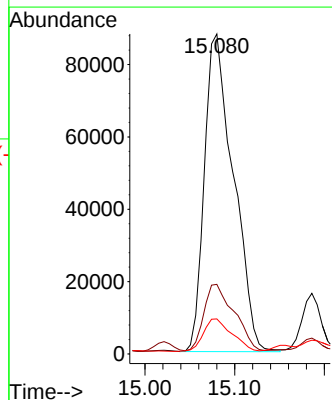
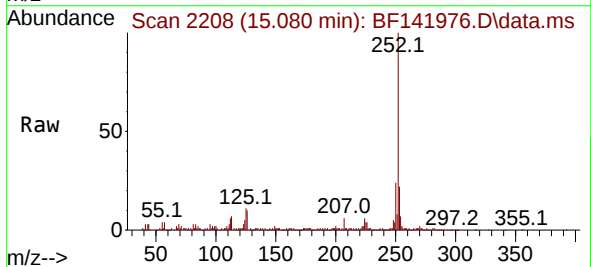
Instrument :
BNA_F
ClientSampleId :
72-11978

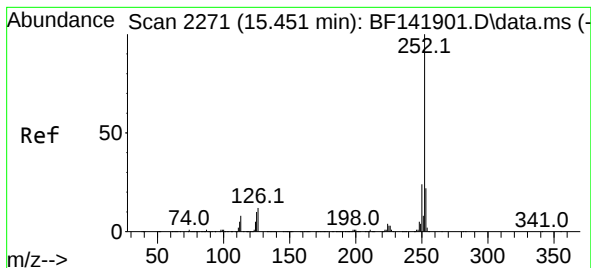
Tgt Ion:252 Resp: 197376
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 11.0 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 8.279 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.029 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:252 Resp: 197376
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 11.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 4.203 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

72-11978

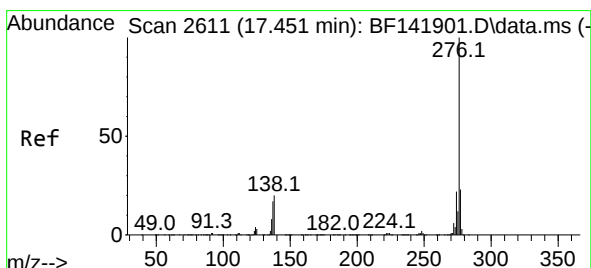
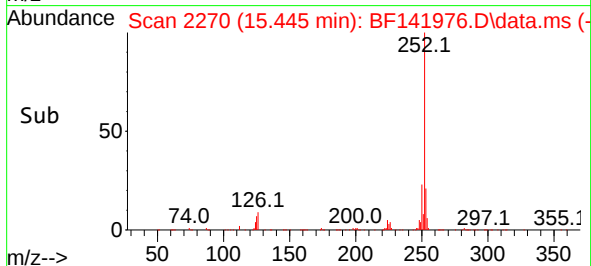
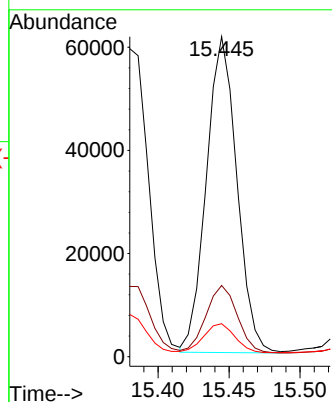
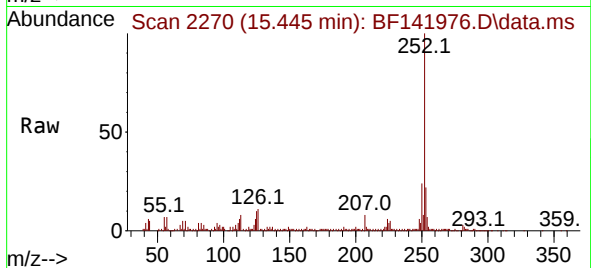
Tgt Ion:252 Resp: 91620

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.3 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 2.829 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.012 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Tgt Ion:276 Resp: 60654

Ion Ratio Lower Upper

276 100

277 25.1 18.7 28.1

138 17.9 15.8 23.8

