

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140475.D
 Acq On : 19 Nov 2024 15:58
 Operator : RC/JU
 Sample : P4889-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #72-11978

Quant Time: Nov 19 16:23:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

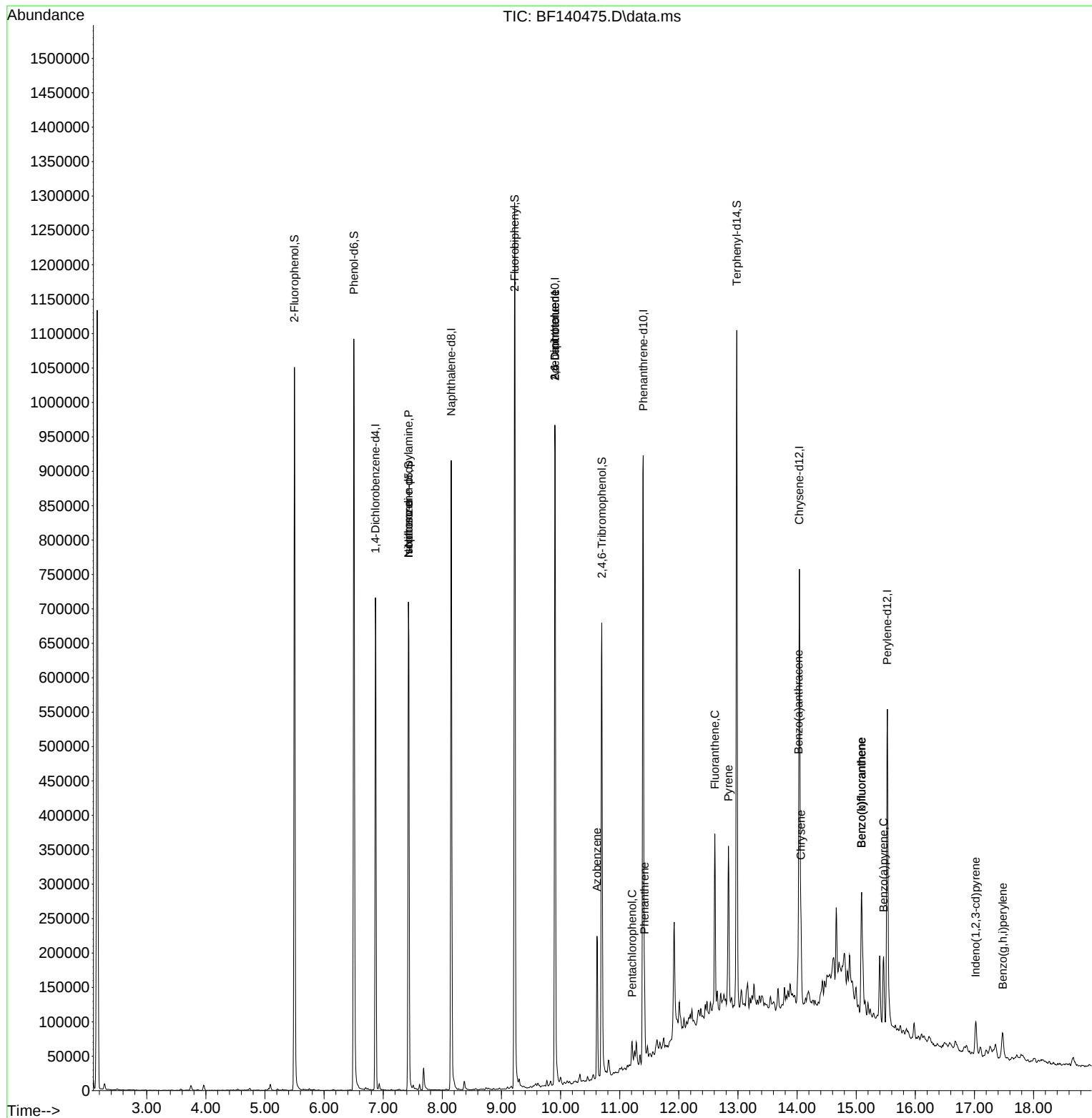
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	153531	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	584112	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	304616	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	494937	20.000	ng	0.00
76) Chrysene-d12	14.039	240	264297	20.000	ng	-0.01
86) Perylene-d12	15.527	264	269184	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	396194	44.060	ng	0.00
7) Phenol-d6	6.504	99	527097	43.265	ng	0.00
23) Nitrobenzene-d5	7.428	82	336034	29.974	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	118612	39.157	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	604061	31.878	ng	-0.01
79) Terphenyl-d14	12.980	244	479312	31.479	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	44412	6.036	ng	# 77
25) Isophorone	7.428	82	331356	16.677	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	39718	8.775	ng	# 22
57) 2,4-Dinitrotoluene	9.904	165	39903	6.698	ng	# 20
63) Azobenzene	10.616	77	56745	2.829	ng	# 1
70) Pentachlorophenol	11.210	266	7612	2.539	ng	92
71) Phenanthrene	11.422	178	57026	2.453	ng	99
75) Fluoranthene	12.610	202	147383	5.650	ng	99
78) Pyrene	12.839	202	133104	5.888	ng	99
81) Benzo(a)anthracene	14.027	228	60116	3.461	ng	96
83) Chrysene	14.063	228	72322	4.563	ng	98
87) Indeno(1,2,3-cd)pyrene	17.021	276	33820	2.034	ng	96
88) Benzo(b)fluoranthene	15.092	252	148754	8.448	ng	98
89) Benzo(k)fluoranthene	15.092	252	148754	10.341	ng	# 97
90) Benzo(a)pyrene	15.462	252	62190	4.548	ng	98
92) Benzo(g,h,i)perylene	17.480	276	34411	2.449	ng	96

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

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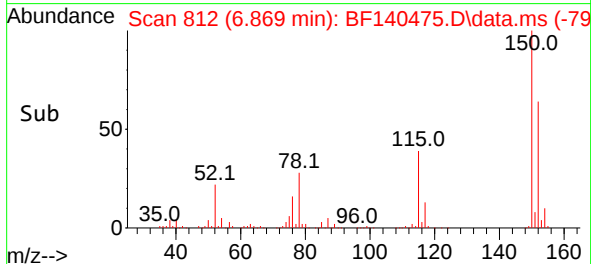
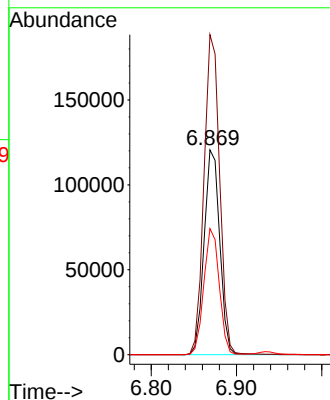
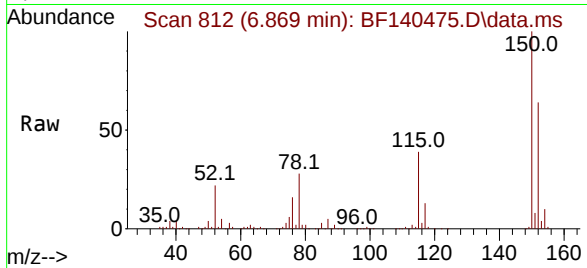




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

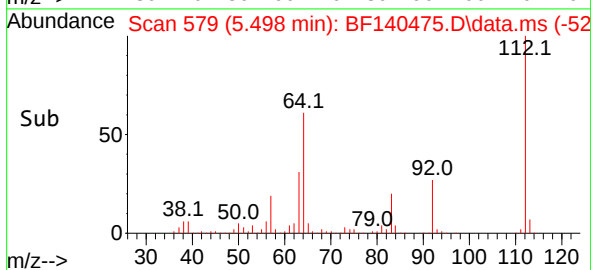
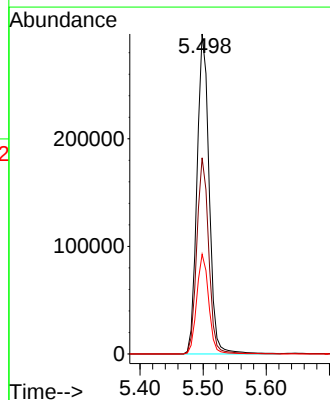
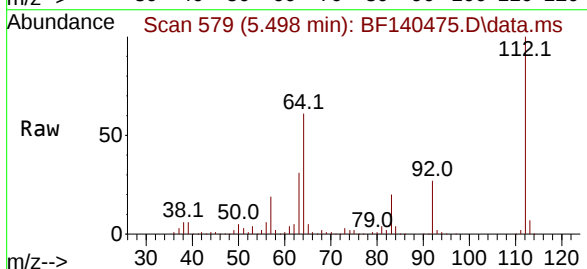
Instrument :
BNA_F
ClientSampleId :
#72-11978

Tgt Ion:152 Resp: 153531
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 61.6 47.4 71.2



#5
2-Fluorophenol
Concen: 44.060 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:112 Resp: 396194
Ion Ratio Lower Upper
112 100
64 61.3 49.2 73.8
63 31.2 25.6 38.4

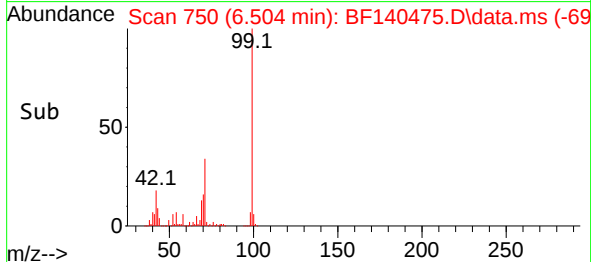
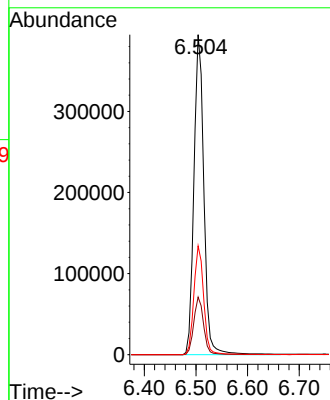
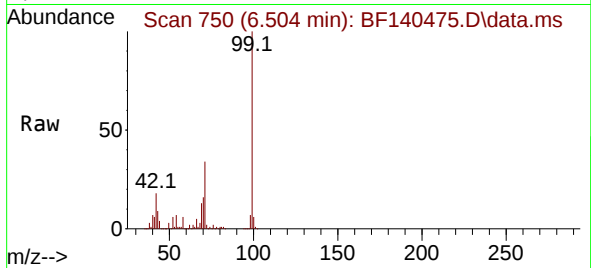




#7
Phenol-d6
Concen: 43.265 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

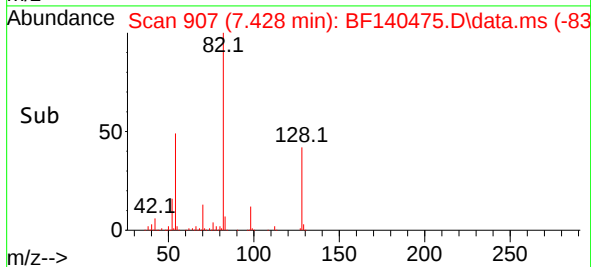
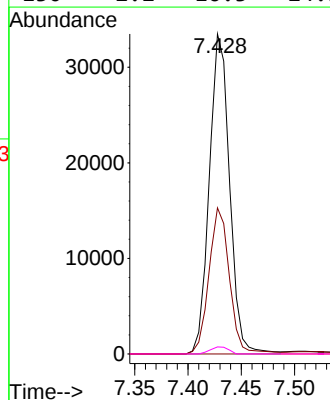
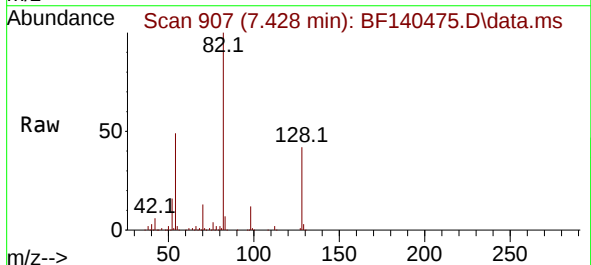
Instrument :
BNA_F
ClientSampleId :
#72-11978

Tgt Ion: 99 Resp: 527097
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 34.0 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 6.036 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion: 70 Resp: 44412
Ion Ratio Lower Upper
70 100
42 45.7 46.8 70.2#
101 0.0 7.5 11.3#
130 2.2 16.3 24.5#

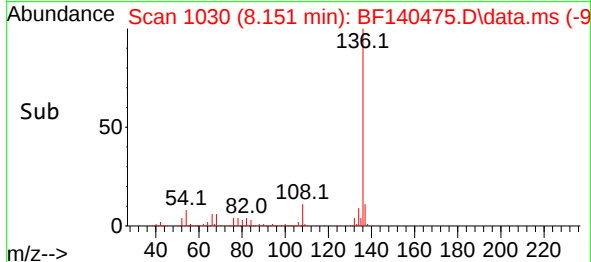
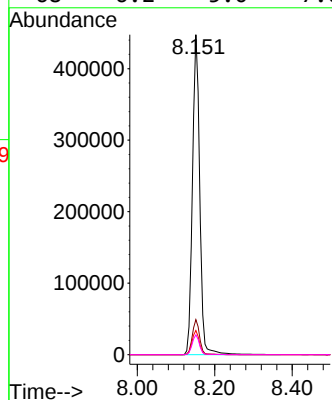
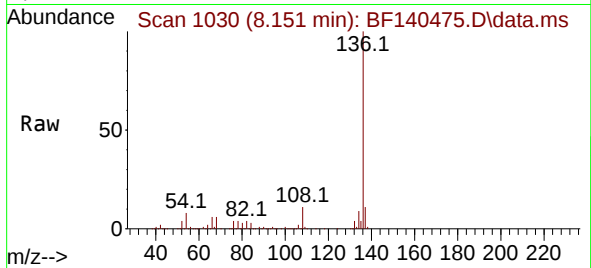




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

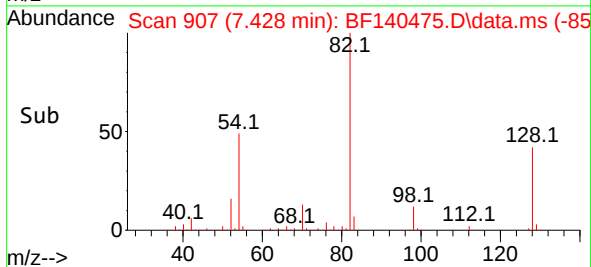
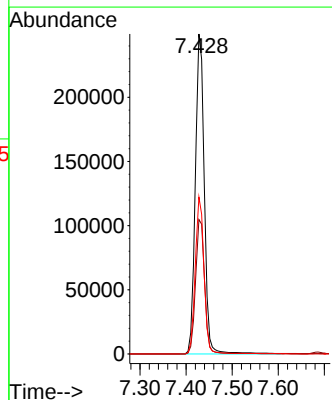
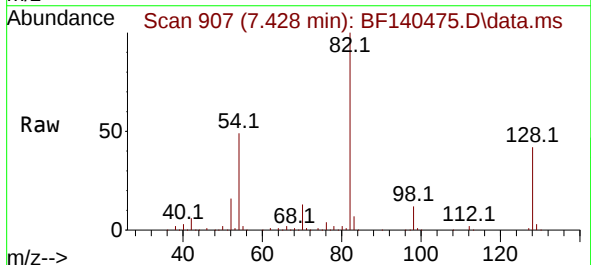
Instrument :
BNA_F
ClientSampleId :
#72-11978

Tgt Ion:136 Resp: 584112
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.5 6.5 9.7
68 6.2 5.0 7.6



#23
Nitrobenzene-d5
Concen: 29.974 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion: 82 Resp: 336034
Ion Ratio Lower Upper
82 100
128 42.0 33.3 49.9
54 49.0 39.8 59.8

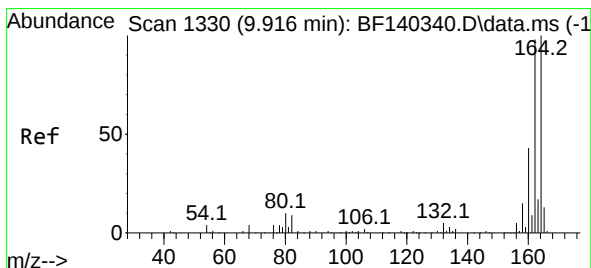
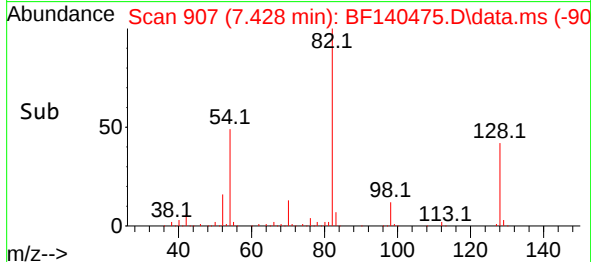
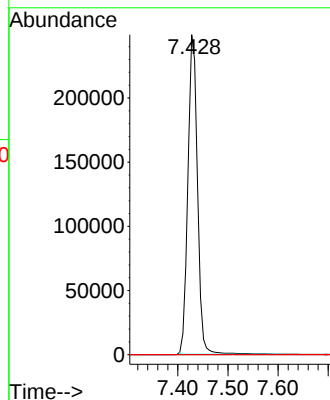
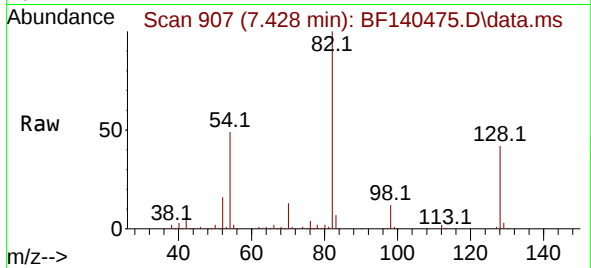




#25
Isophorone
Concen: 16.677 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

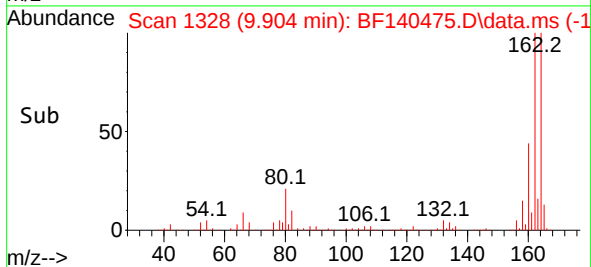
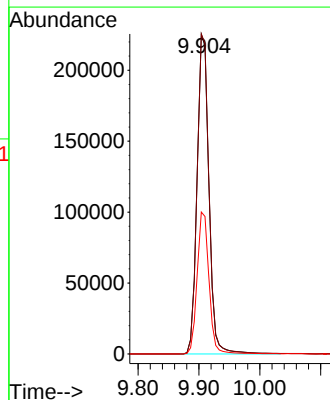
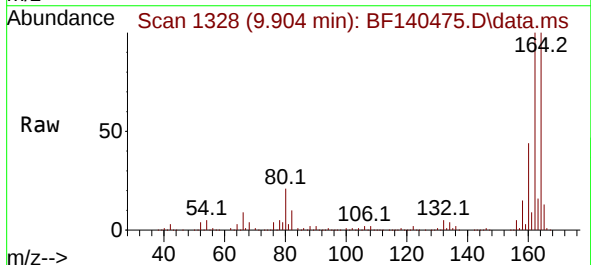
Instrument :
BNA_F
ClientSampleId :
#72-11978

Tgt Ion: 82 Resp: 331356
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:164 Resp: 304616
Ion Ratio Lower Upper
164 100
162 100.1 79.8 119.8
160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 39.157 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140475.D

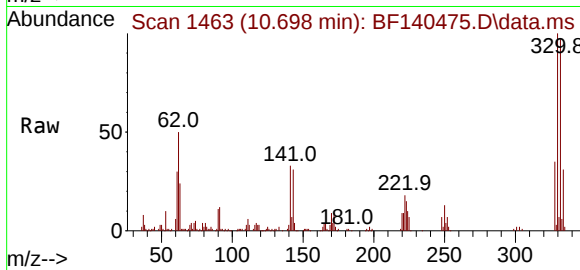
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Instrument :

BNA_F

ClientSampleId :

#72-11978



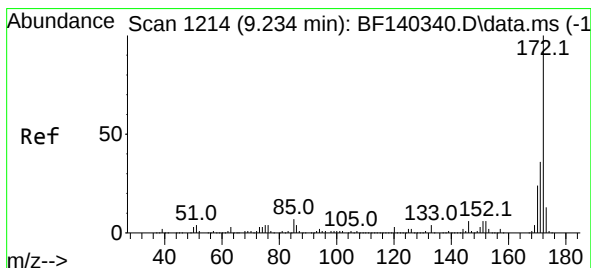
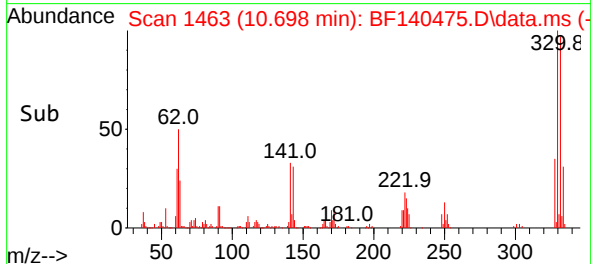
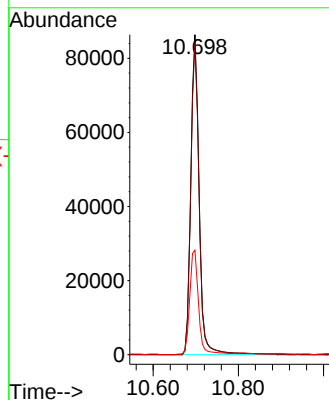
Tgt Ion:330 Resp: 118612

Ion Ratio Lower Upper

330 100

332 96.8 75.9 113.9

141 34.3 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 31.878 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

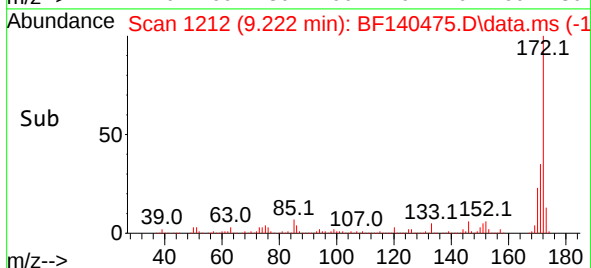
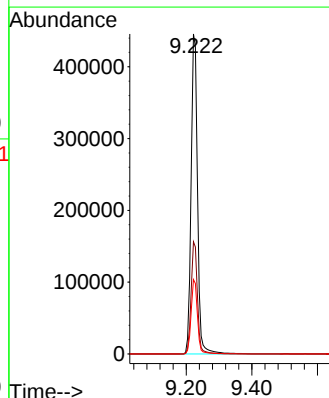
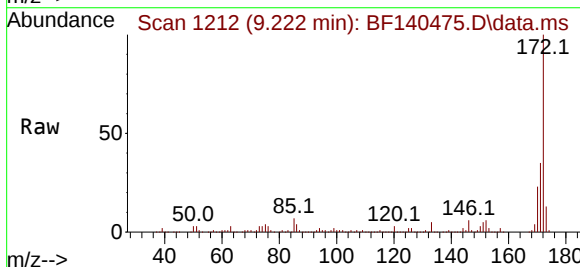
Tgt Ion:172 Resp: 604061

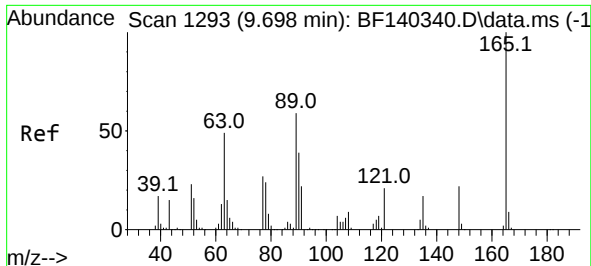
Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.2 19.1 28.7

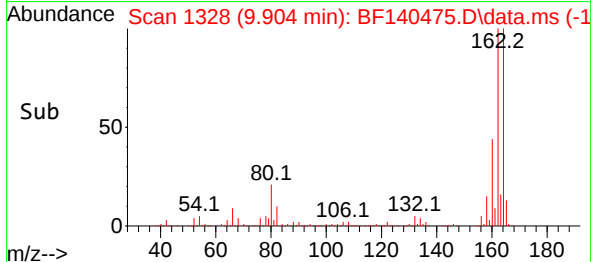
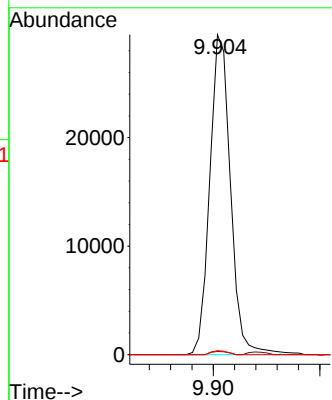
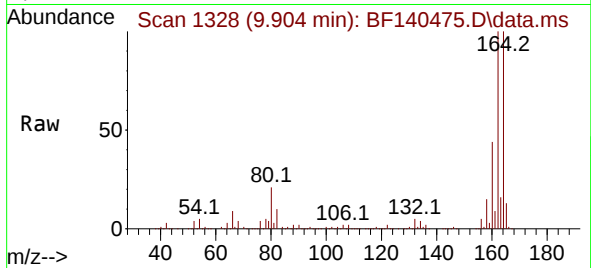




#51
2,6-Dinitrotoluene
Concen: 8.775 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

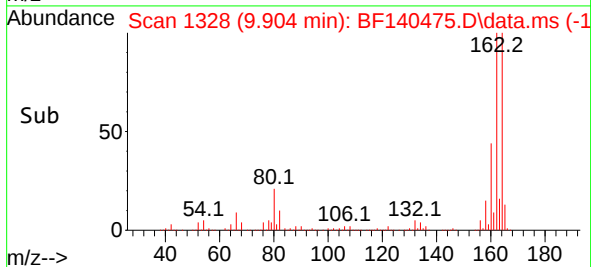
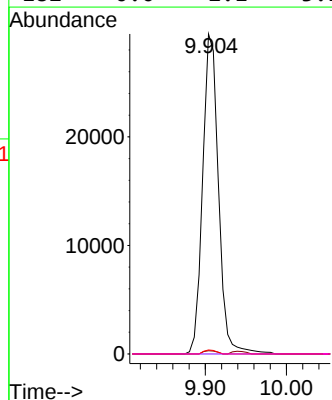
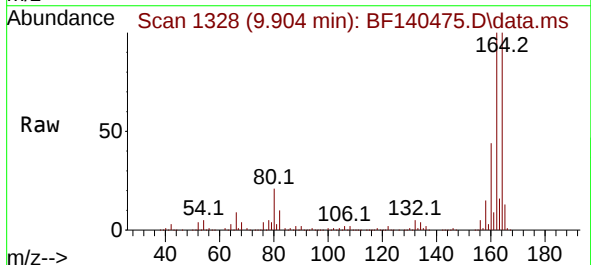
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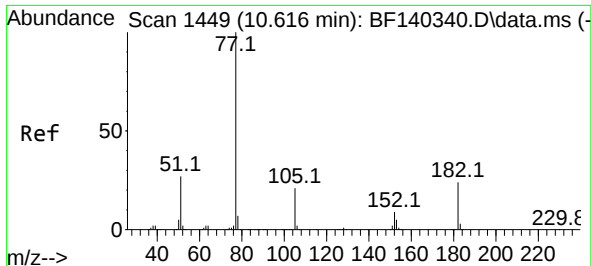
Tgt Ion:165 Resp: 39718
Ion Ratio Lower Upper
165 100
63 1.0 47.6 71.4#
89 1.2 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.698 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:165 Resp: 39903
Ion Ratio Lower Upper
165 100
63 1.0 39.4 59.0#
89 1.2 62.4 93.6#
182 0.0 2.1 3.1#

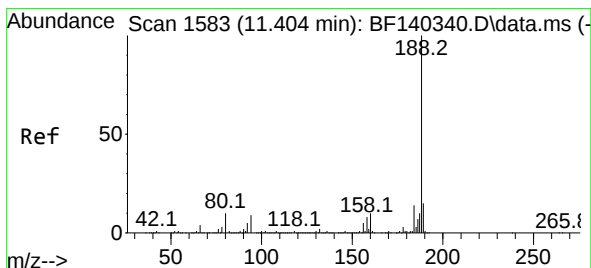
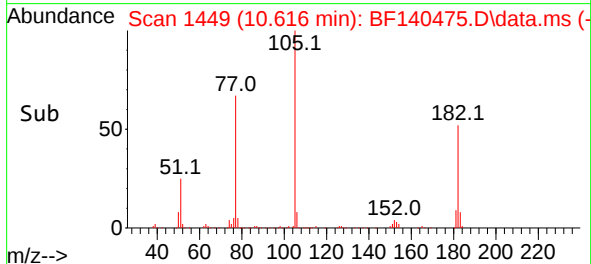
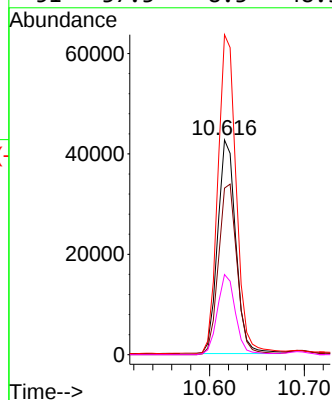
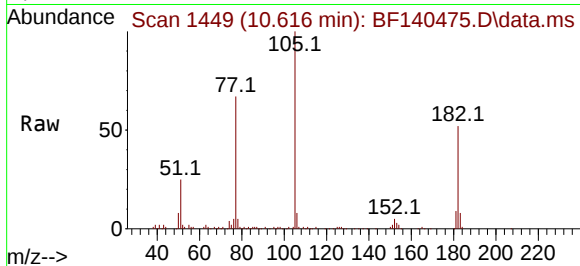




#63
Azobenzene
Concen: 2.829 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

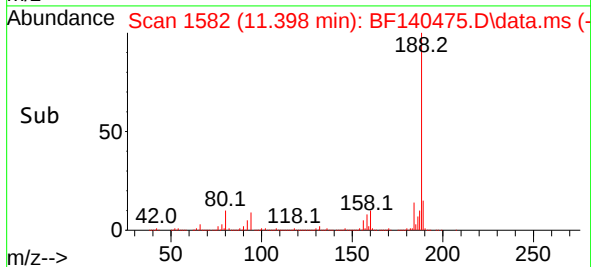
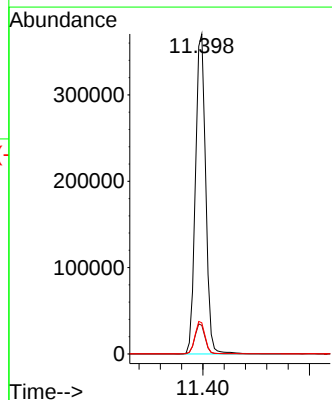
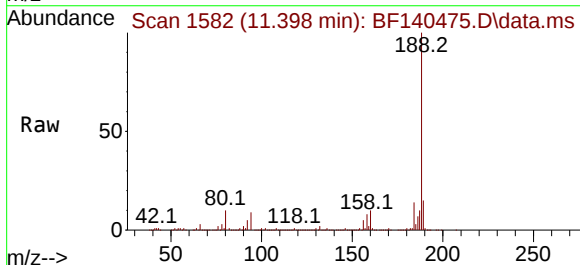
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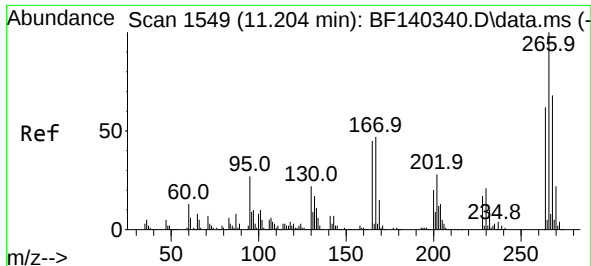
Tgt Ion: 77	Resp: 56745
Ion Ratio	Lower Upper
77 100	
182 77.5	4.6 44.6#
105 149.0	0.9 40.9#
51 37.3	8.3 48.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion: 188	Resp: 494937
Ion Ratio	Lower Upper
188 100	
94 8.9	7.6 11.4
80 9.7	8.0 12.0

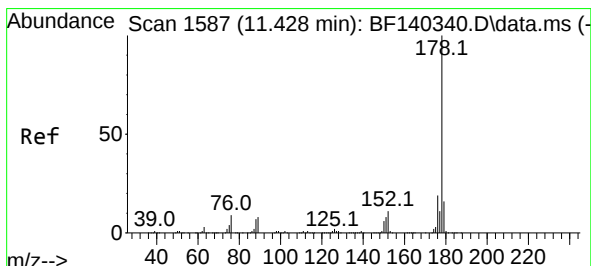
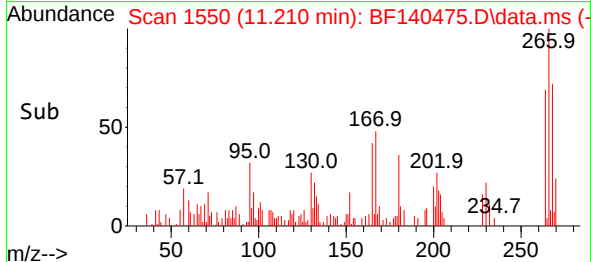
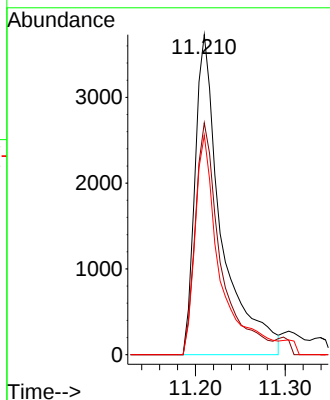
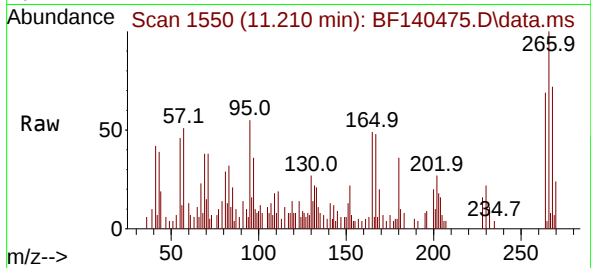




#70
 Pentachlorophenol
 Concen: 2.539 ng
 RT: 11.210 min Scan# 1550
 Delta R.T. 0.006 min
 Lab File: BF140475.D
 Acq: 19 Nov 2024 15:58

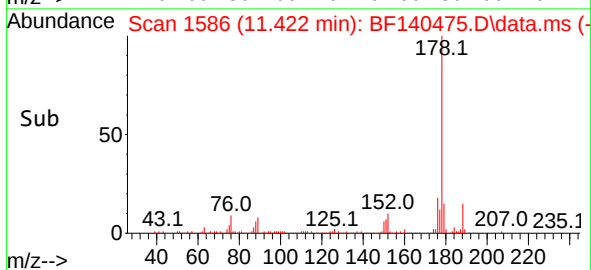
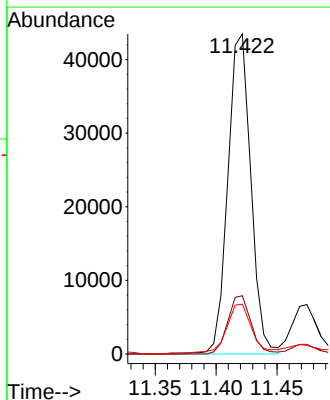
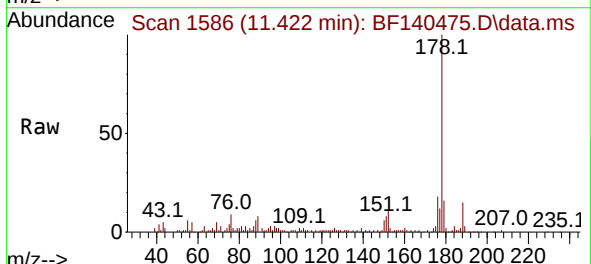
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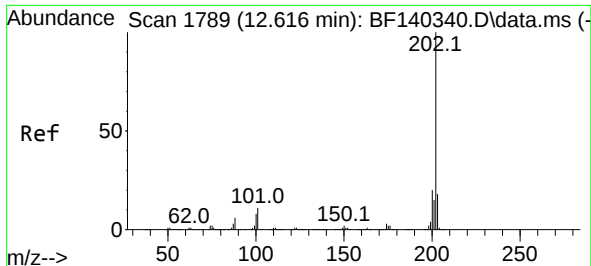
Tgt Ion:266 Resp: 7612
 Ion Ratio Lower Upper
 266 100
 268 72.4 52.9 79.3
 264 68.6 50.3 75.5



#71
 Phenanthrene
 Concen: 2.453 ng
 RT: 11.422 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF140475.D
 Acq: 19 Nov 2024 15:58

Tgt Ion:178 Resp: 57026
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.5 23.3
 179 15.5 12.4 18.6

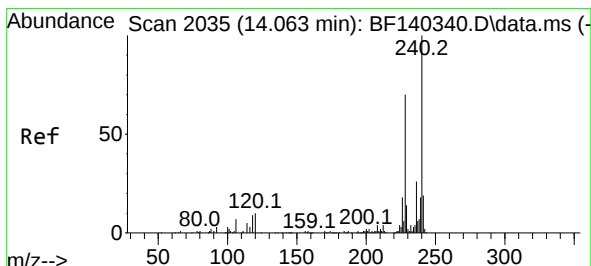
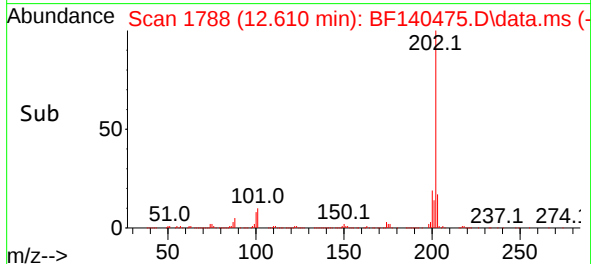
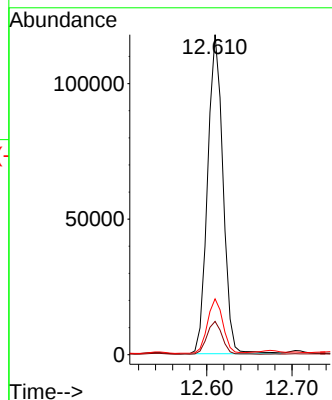
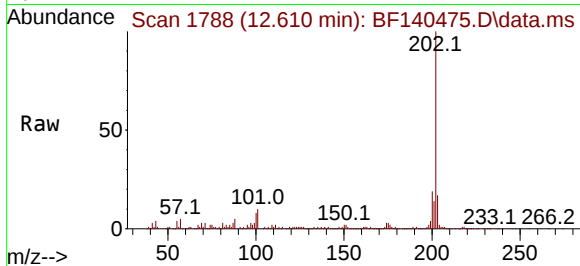




#75
Fluoranthene
Concen: 5.650 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

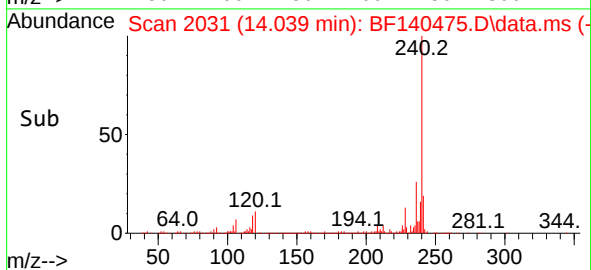
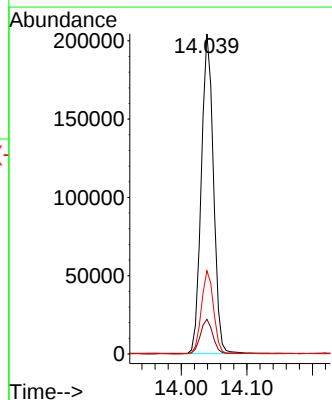
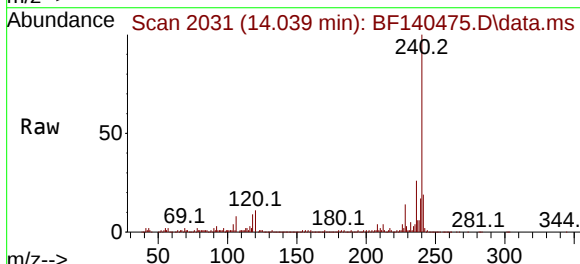
Instrument :
BNA_F
ClientSampleId :
#72-11978

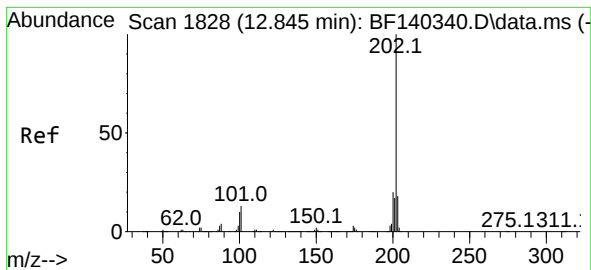
Tgt Ion:202 Resp: 147383
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.7
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:240 Resp: 264297
Ion Ratio Lower Upper
240 100
120 10.8 8.8 13.2
236 26.0 20.9 31.3





#78

Pyrene

Concen: 5.888 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978

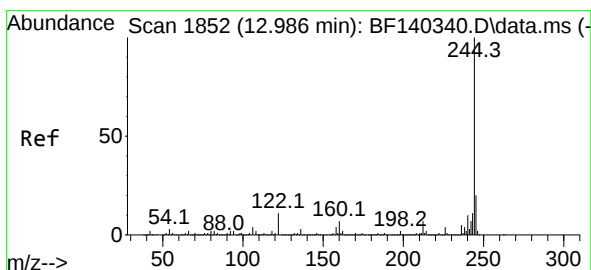
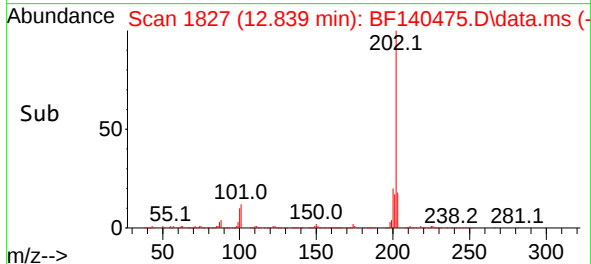
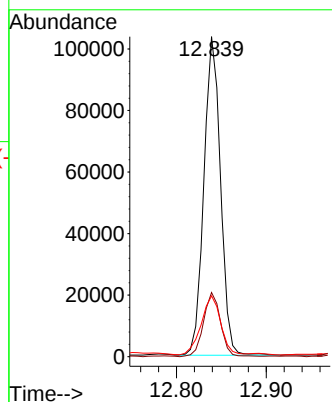
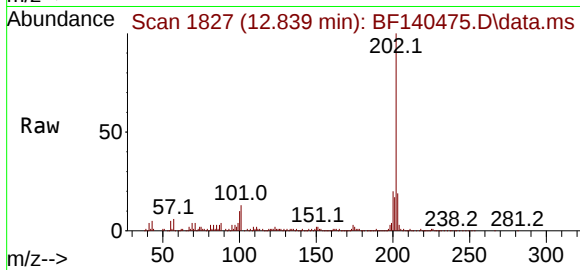
Tgt Ion:202 Resp: 133104

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 19.0 14.2 21.4



#79

Terphenyl-d14

Concen: 31.479 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

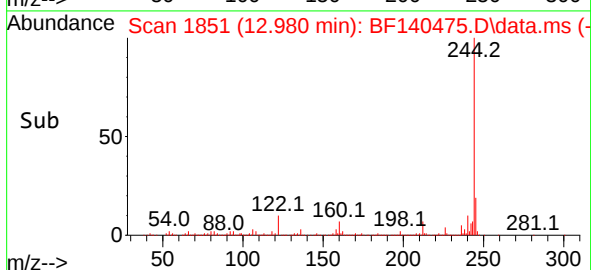
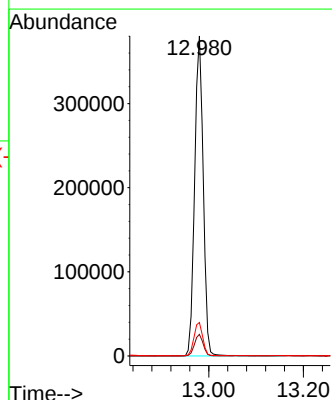
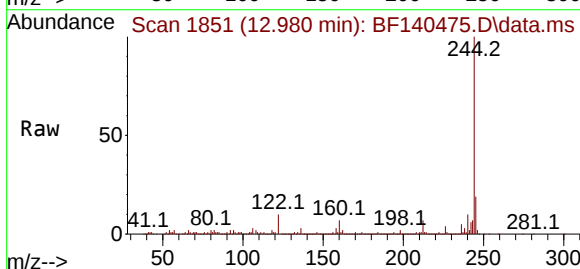
Tgt Ion:244 Resp: 479312

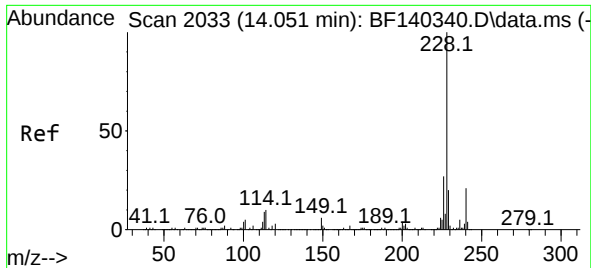
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 10.4 8.8 13.2

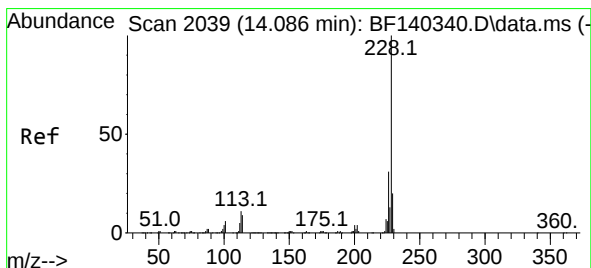
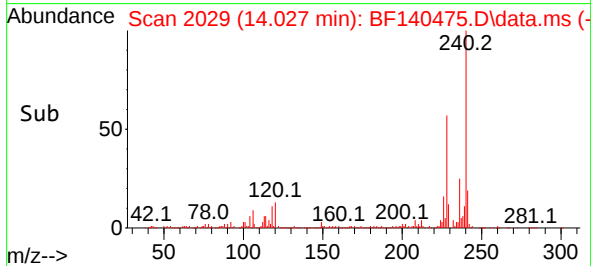
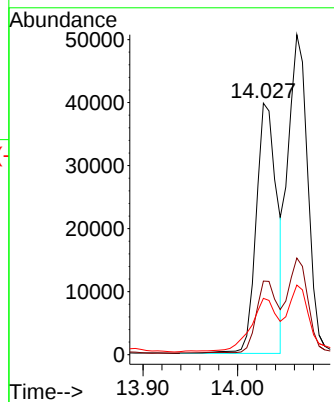
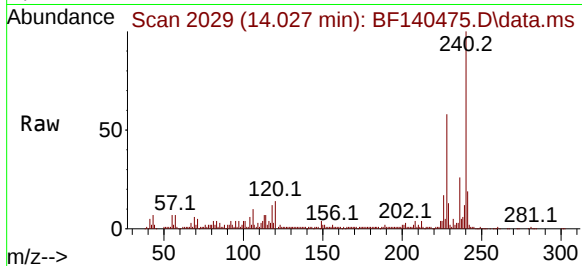




#81
Benzo(a)anthracene
Concen: 3.461 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

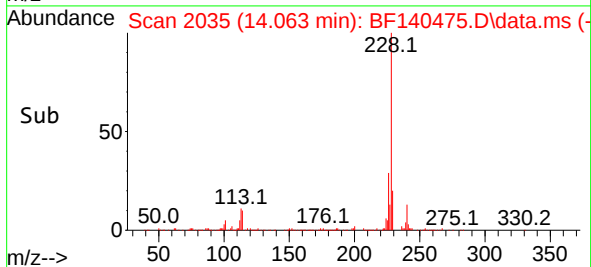
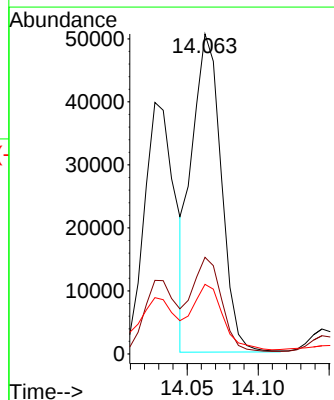
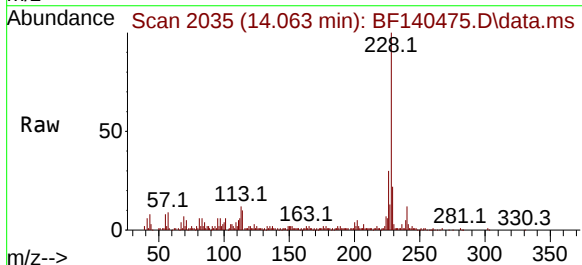
Instrument :
BNA_F
ClientSampleId :
#72-11978

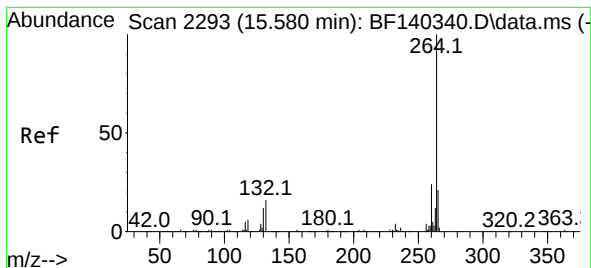
Tgt Ion:228 Resp: 60116
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.4
229 22.4 15.8 23.6



#83
Chrysene
Concen: 4.563 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.018 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:228 Resp: 72322
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 21.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978

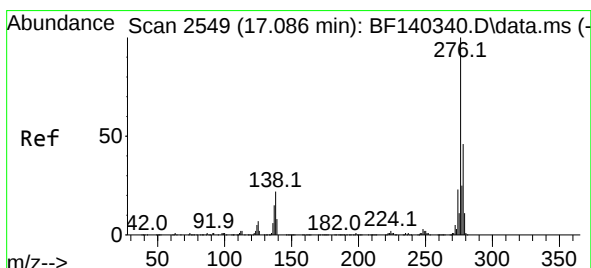
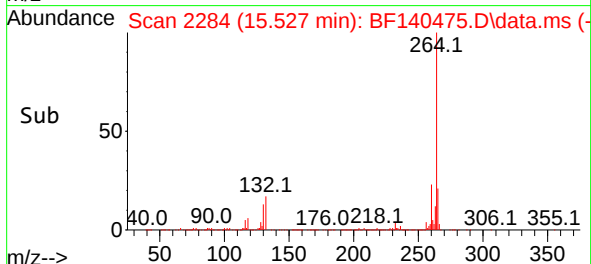
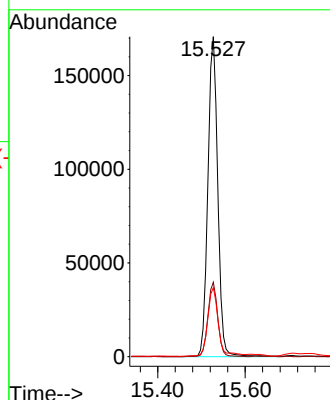
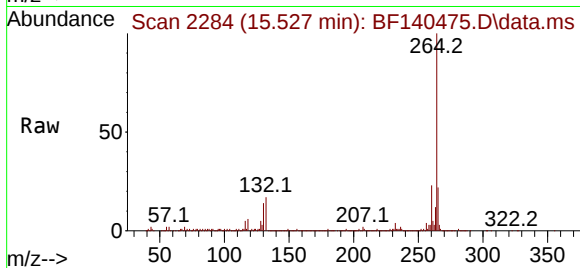
Tgt Ion:264 Resp: 269184

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.6 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.034 ng

RT: 17.021 min Scan# 2538

Delta R.T. -0.035 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

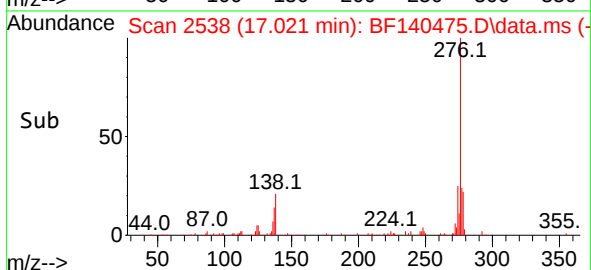
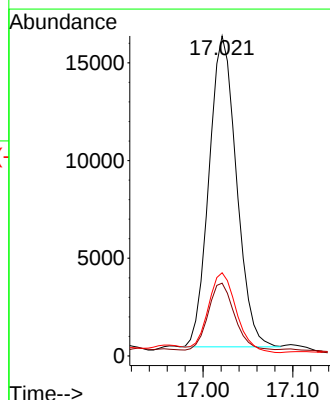
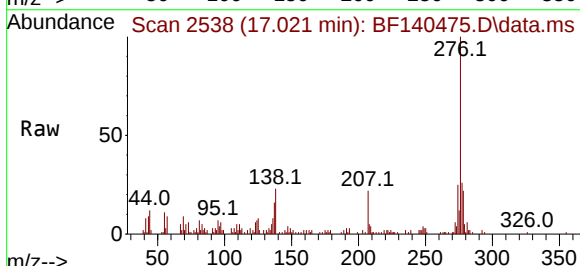
Tgt Ion:276 Resp: 33820

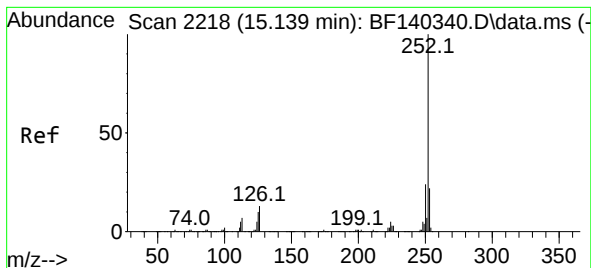
Ion Ratio Lower Upper

276 100

138 20.6 18.8 28.2

277 26.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.448 ng

RT: 15.092 min Scan# 2110

Delta R.T. -0.024 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978

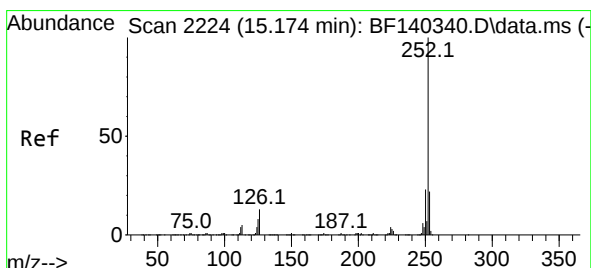
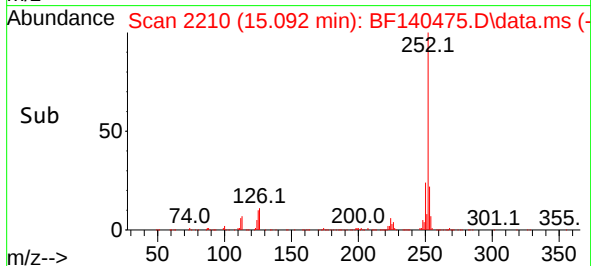
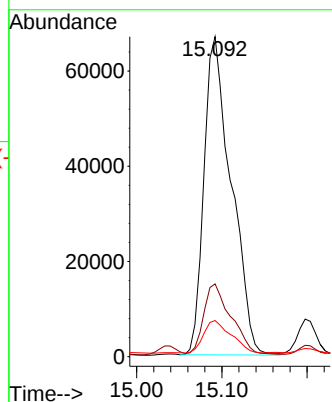
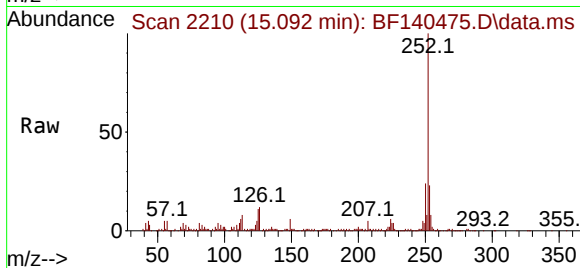
Tgt Ion:252 Resp: 148754

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.3 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 10.341 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.059 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

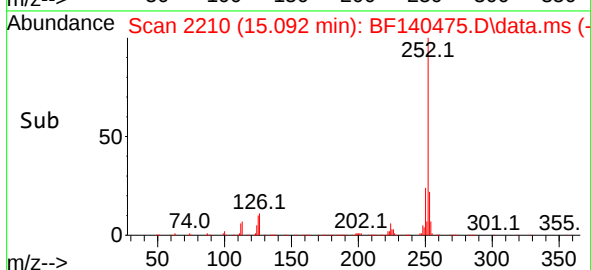
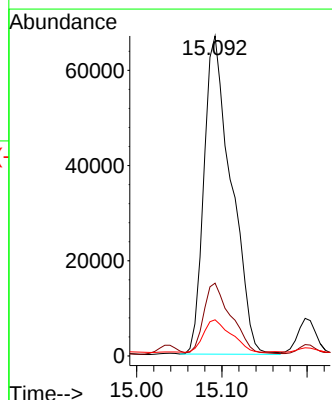
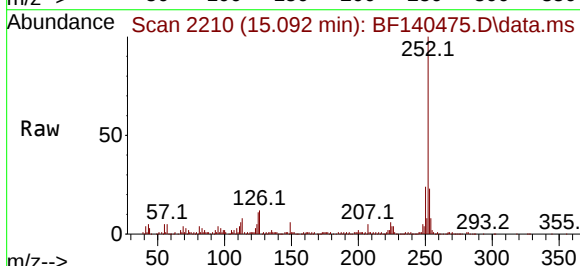
Tgt Ion:252 Resp: 148754

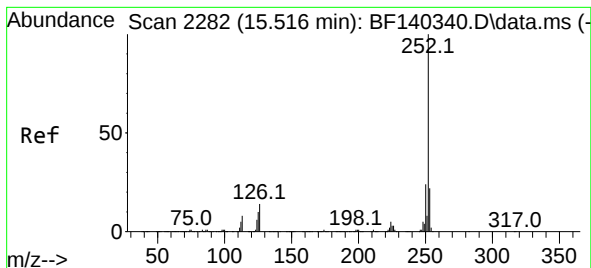
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 11.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.548 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978

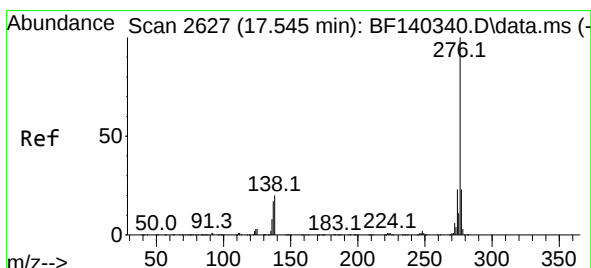
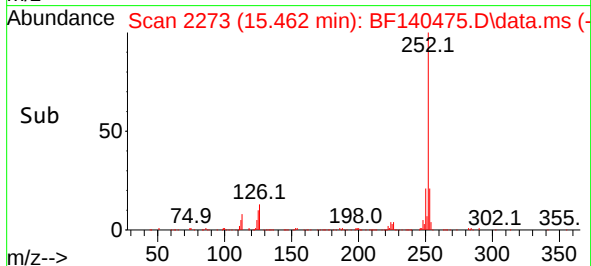
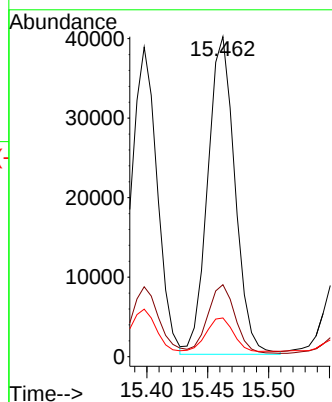
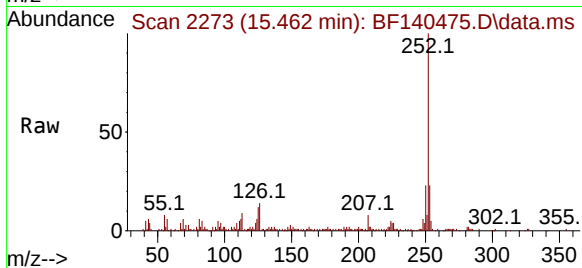
Tgt Ion:252 Resp: 62190

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 12.1 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.449 ng

RT: 17.480 min Scan# 2616

Delta R.T. -0.035 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Tgt Ion:276 Resp: 34411

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 22.9 16.0 24.0

