

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
 Data File : BF138457.D
 Acq On : 03 Jul 2024 20:36
 Operator : CG\JU
 Sample : P3148-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-070224

Quant Time: Jul 04 01:00:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

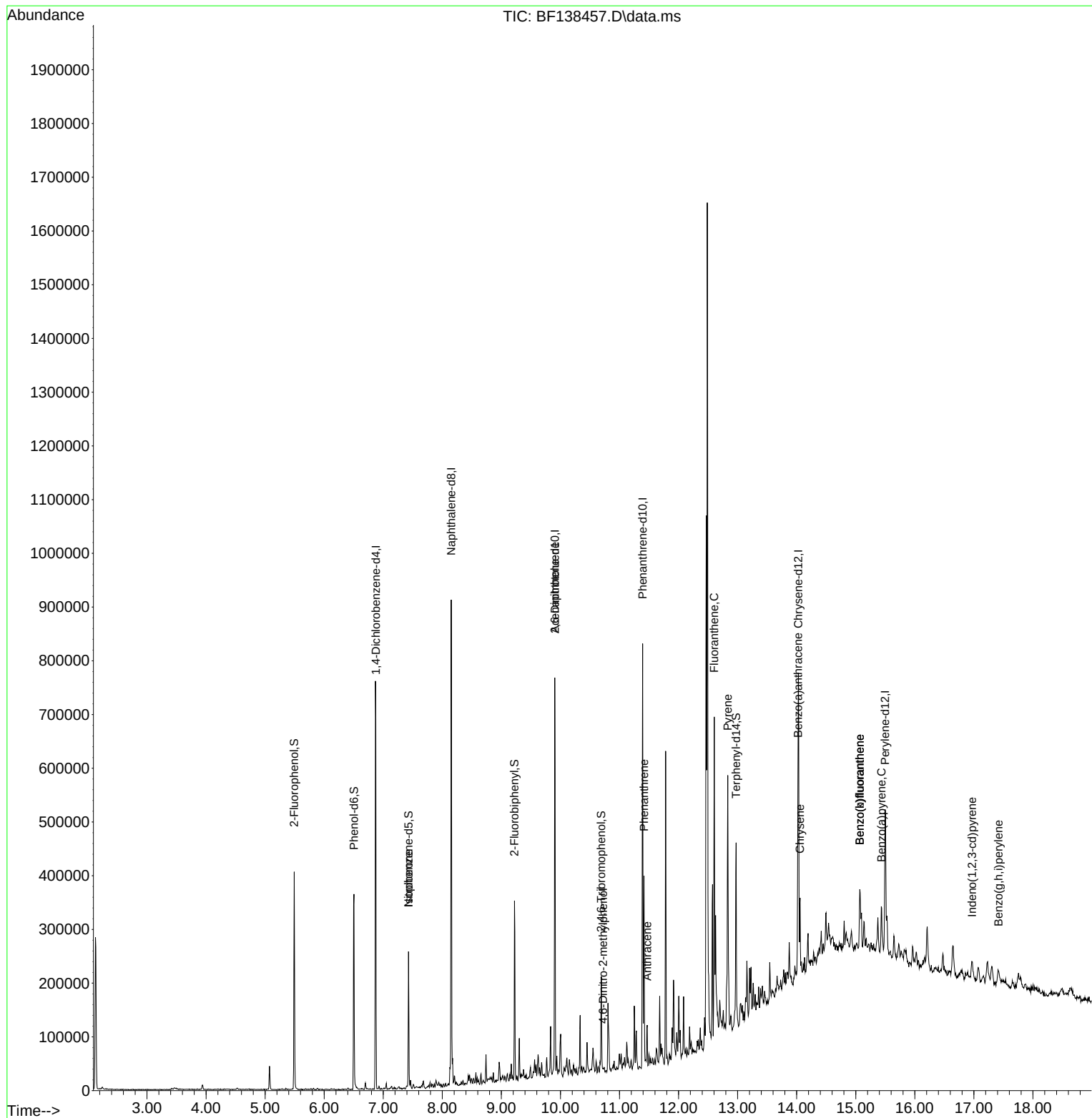
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	103077	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	331704	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	141228	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	255539	20.000	ng	0.00
76) Chrysene-d12	14.027	240	161511	20.000	ng	0.00
86) Perylene-d12	15.498	264	131186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	88712	14.269	ng	0.00
7) Phenol-d6	6.504	99	110373	13.179	ng	-0.01
23) Nitrobenzene-d5	7.428	82	62257	9.750	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	16579	14.368	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	92137	10.383	ng	-0.01
79) Terphenyl-d14	12.974	244	107074	9.085	ng	0.00
Target Compounds						
25) Isophorone	7.428	82	62200	5.283	ng	# 67
51) 2,6-Dinitrotoluene	9.904	165	19259	9.474	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.721	198	78	5.850	ng	# 1
71) Phenanthrene	11.416	178	115745	9.277	ng	98
72) Anthracene	11.468	178	27988	2.249	ng	99
75) Fluoranthene	12.604	202	188620	16.863	ng	99
78) Pyrene	12.833	202	180112	10.434	ng	99
81) Benzo(a)anthracene	14.021	228	63660	6.124	ng	93
83) Chrysene	14.057	228	58009	5.735	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	25478	3.865	ng	96
88) Benzo(b)fluoranthene	15.068	252	71500	9.934	ng	# 91
89) Benzo(k)fluoranthene	15.068	252	71500	10.785	ng	# 92
90) Benzo(a)pyrene	15.433	252	39791	6.307	ng	# 90
92) Benzo(g,h,i)perylene	17.415	276	25588	4.916	ng	95

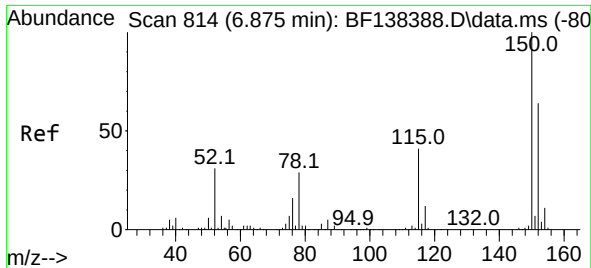
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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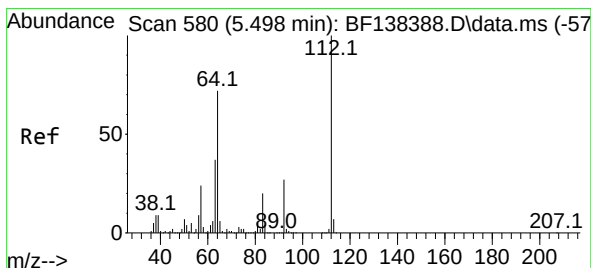
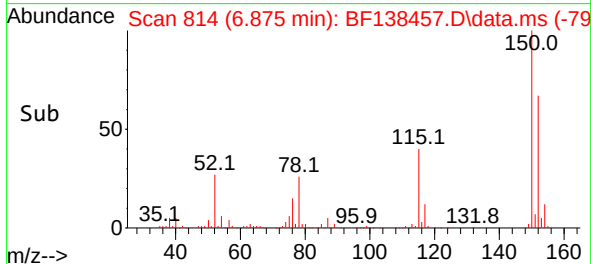
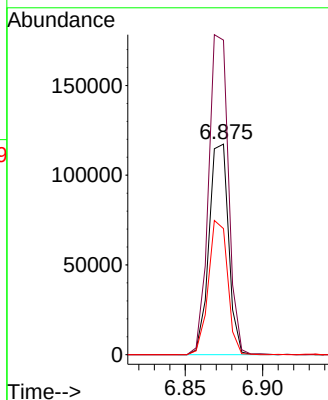
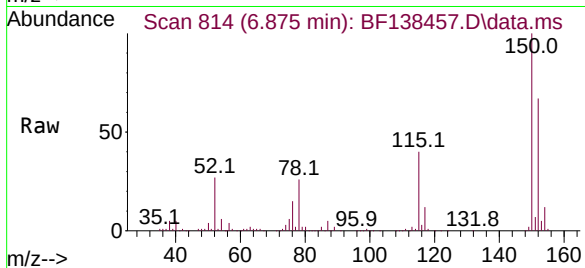




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

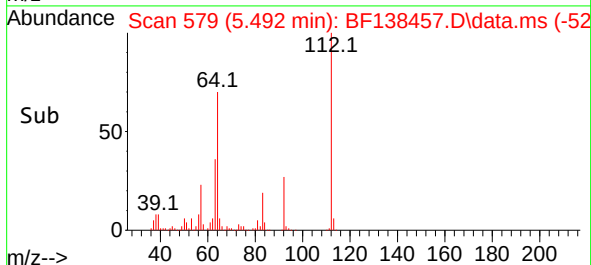
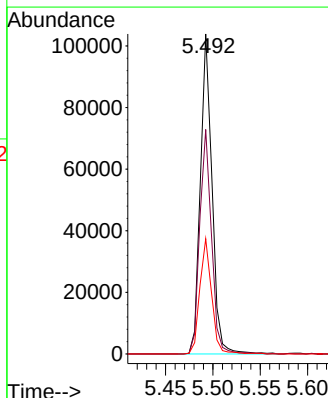
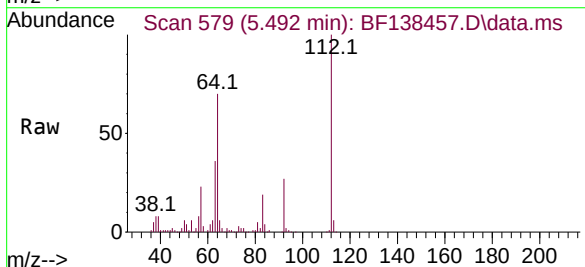
Instrument :
BNA_F
ClientSampleId :
EO-02-070224

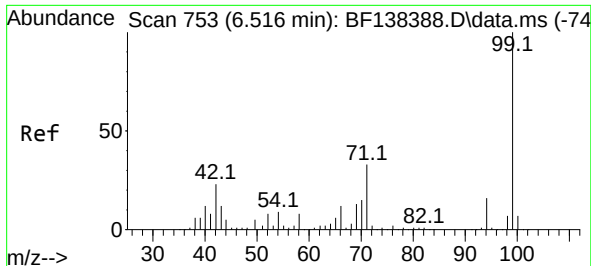
Tgt Ion:152 Resp: 103077
Ion Ratio Lower Upper
152 100
150 149.4 124.9 187.3
115 59.9 50.8 76.2



#5
2-Fluorophenol
Concen: 14.269 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:112 Resp: 88712
Ion Ratio Lower Upper
112 100
64 70.1 57.2 85.8
63 36.0 29.4 44.0

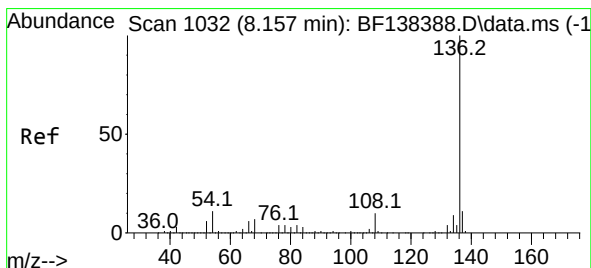
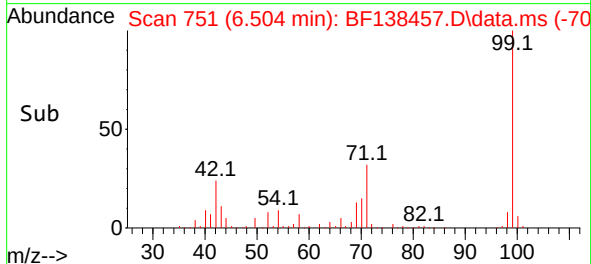
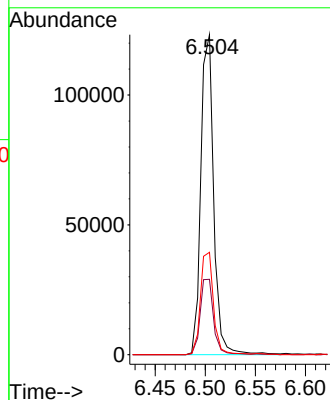
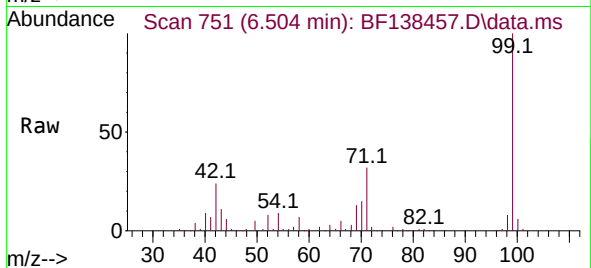




#7
Phenol-d6
Concen: 13.179 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

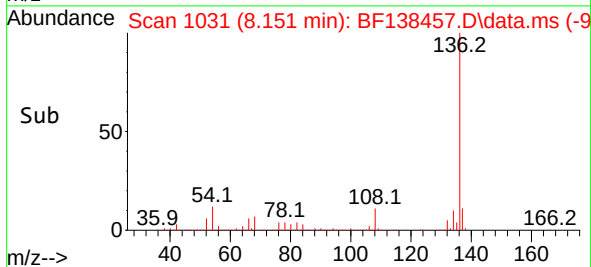
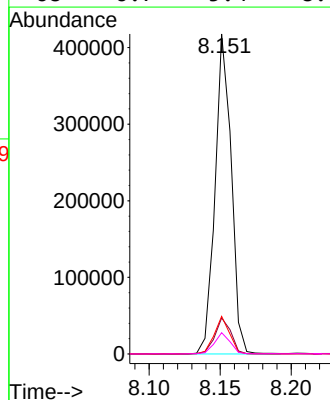
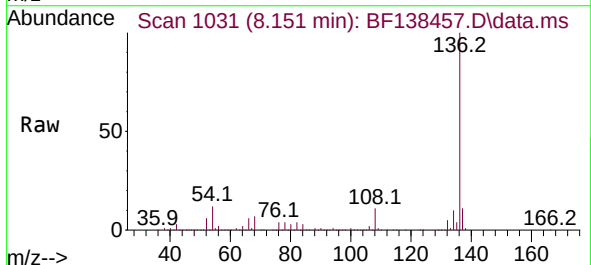
Instrument :
BNA_F
ClientSampleId :
EO-02-070224

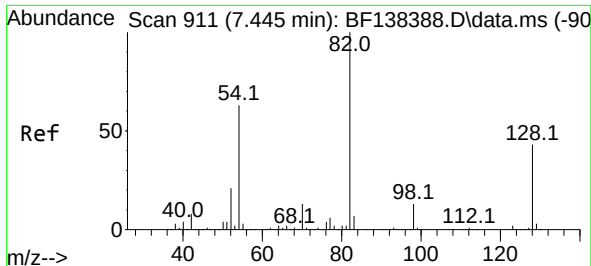
Tgt Ion: 99 Resp: 110373
Ion Ratio Lower Upper
99 100
42 23.6 18.5 27.7
71 32.0 26.1 39.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion: 136 Resp: 331704
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.7 9.0 13.4
68 6.7 5.4 8.0





#23

Nitrobenzene-d5

Concen: 9.750 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.018 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224

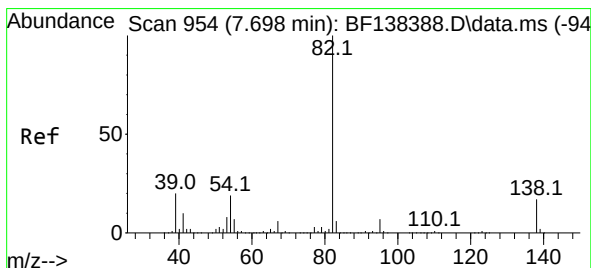
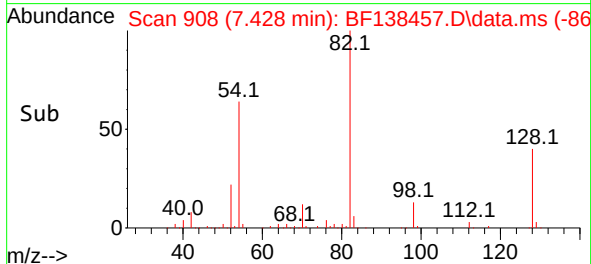
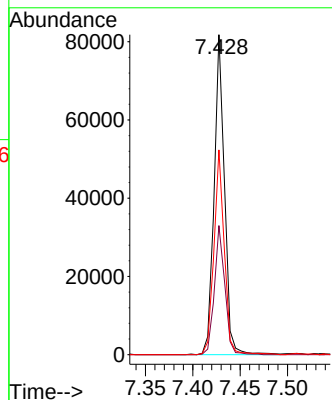
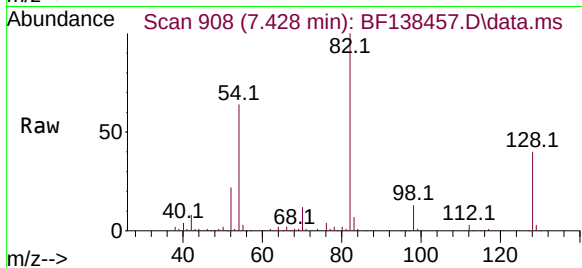
Tgt Ion: 82 Resp: 62257

Ion Ratio Lower Upper

82 100

128 40.4 34.6 52.0

54 64.0 50.5 75.7



#25

Isophorone

Concen: 5.283 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.271 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

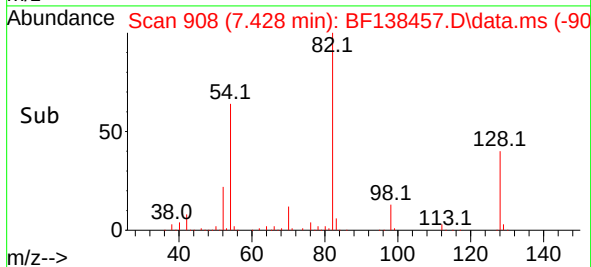
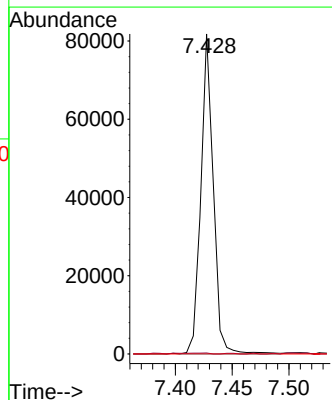
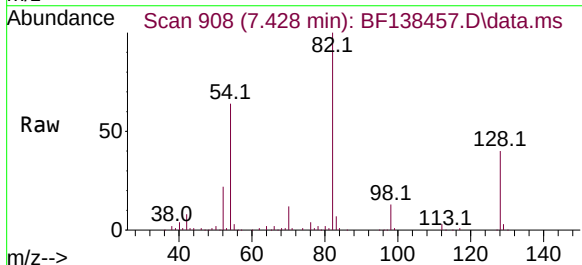
Tgt Ion: 82 Resp: 62200

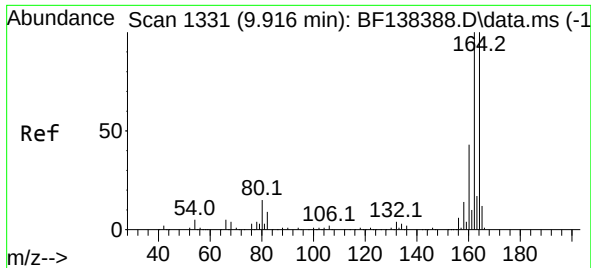
Ion Ratio Lower Upper

82 100

95 0.3 5.7 8.5#

138 0.0 13.4 20.2#

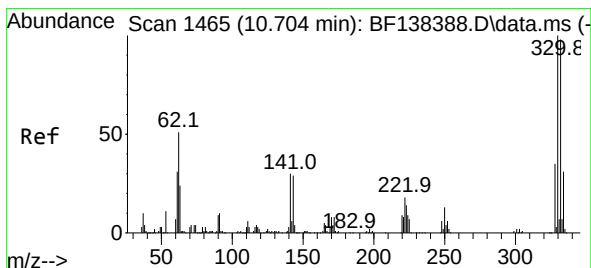
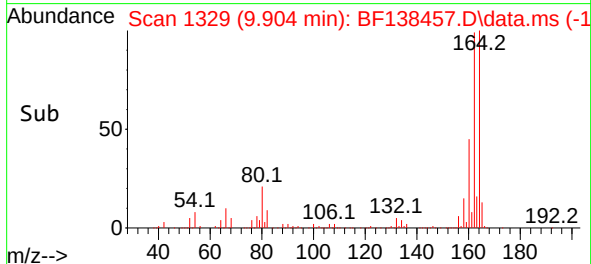
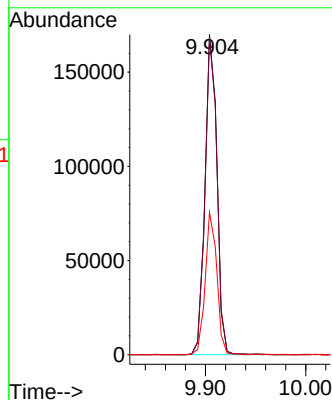
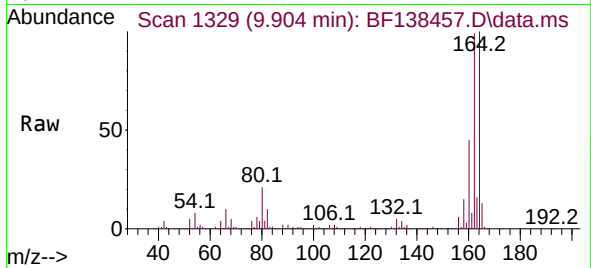




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

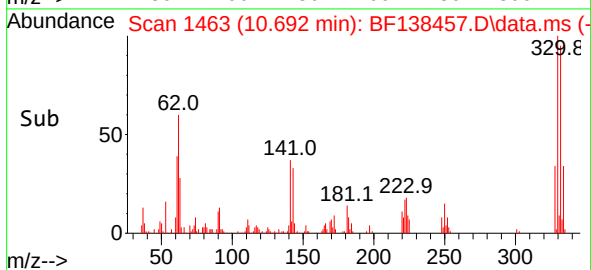
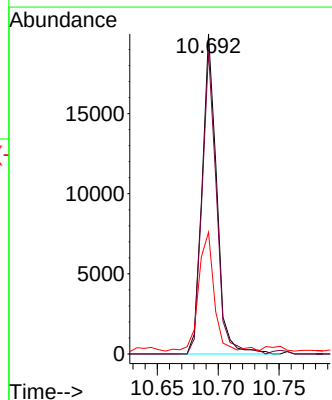
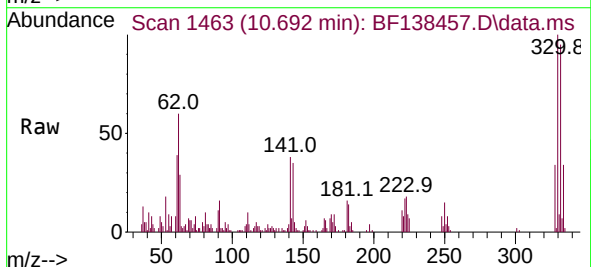
Instrument :
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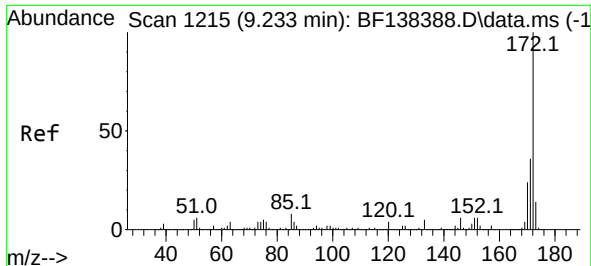
Tgt Ion:164 Resp: 141228
Ion Ratio Lower Upper
164 100
162 99.2 80.1 120.1
160 44.5 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 14.368 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:330 Resp: 16579
Ion Ratio Lower Upper
330 100
332 93.4 77.0 115.6
141 40.2 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 10.383 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224

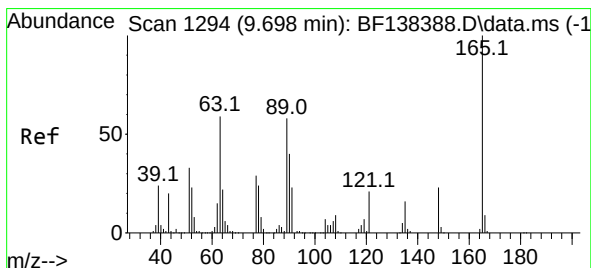
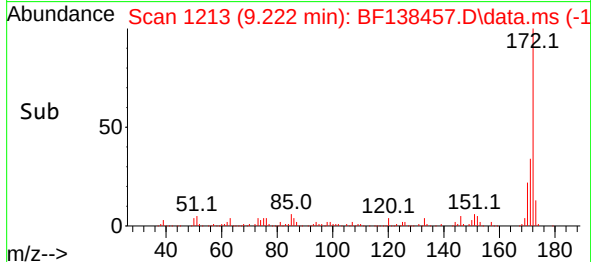
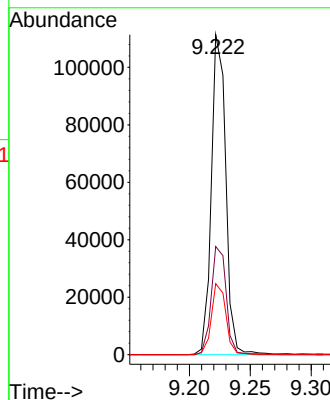
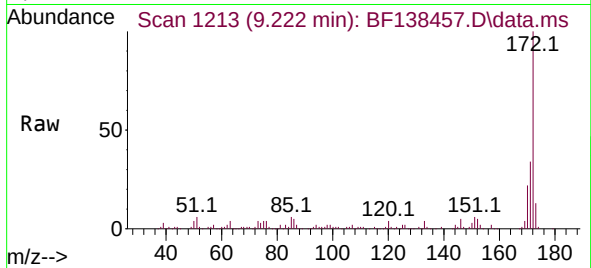
Tgt Ion:172 Resp: 92137

Ion Ratio Lower Upper

172 100

171 33.8 29.0 43.4

170 22.2 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.474 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.206 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

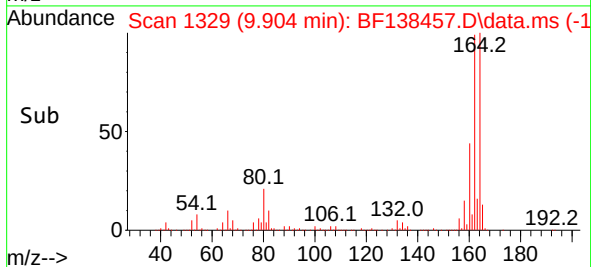
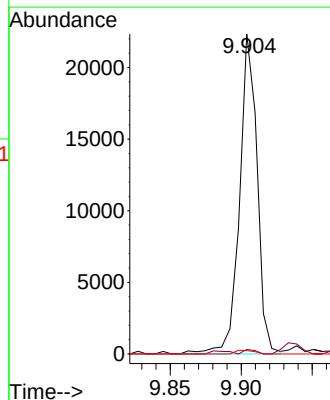
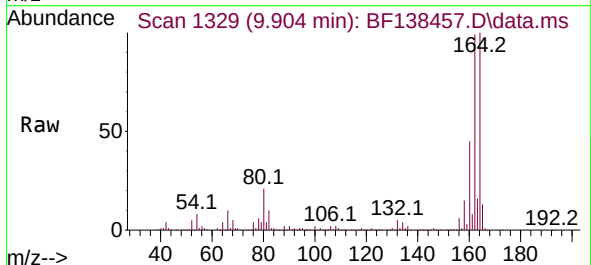
Tgt Ion:165 Resp: 19259

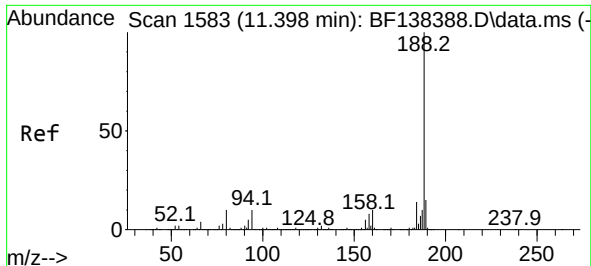
Ion Ratio Lower Upper

165 100

63 1.4 53.8 80.8#

89 1.1 46.4 69.6#

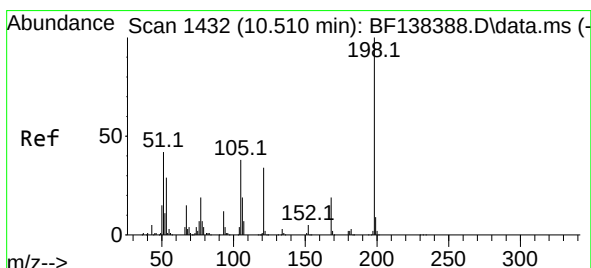
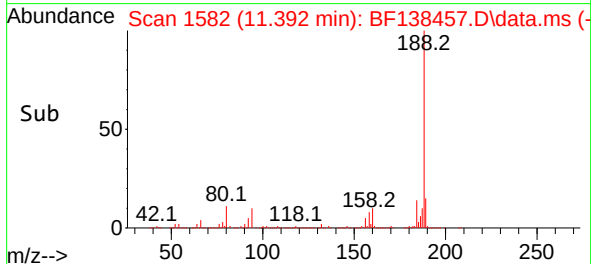
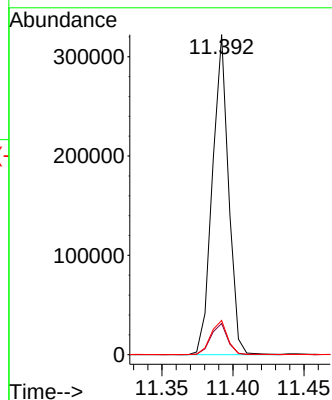
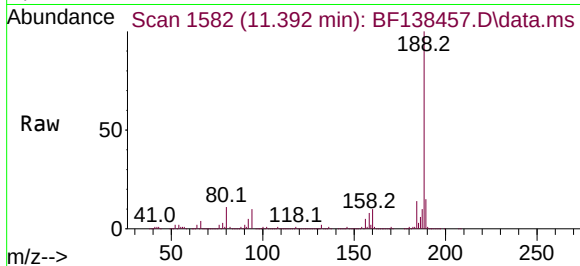




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

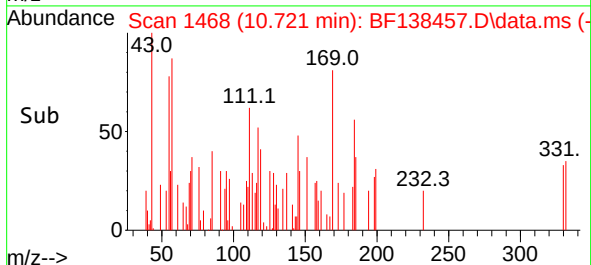
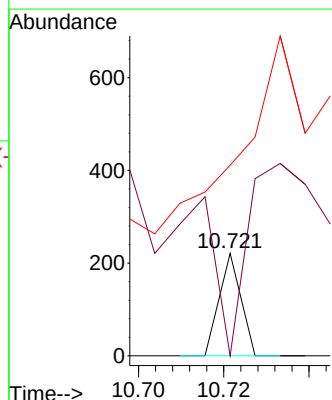
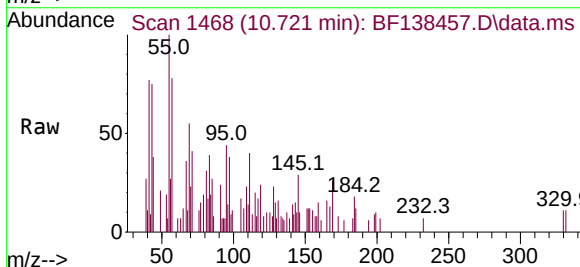
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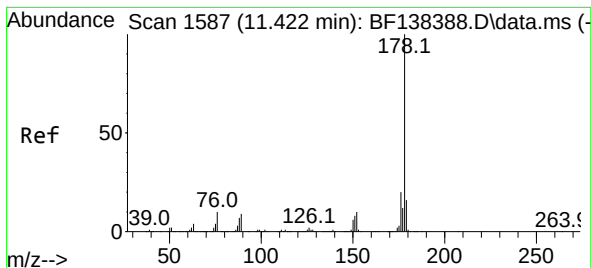
Tgt Ion:188 Resp: 255539
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 10.7 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.850 ng
RT: 10.721 min Scan# 1468
Delta R.T. 0.211 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:198 Resp: 78
Ion Ratio Lower Upper
198 100
51 0.0 27.9 67.9#
105 186.0 18.2 58.2#





#71

Phenanthrene

Concen: 9.277 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224

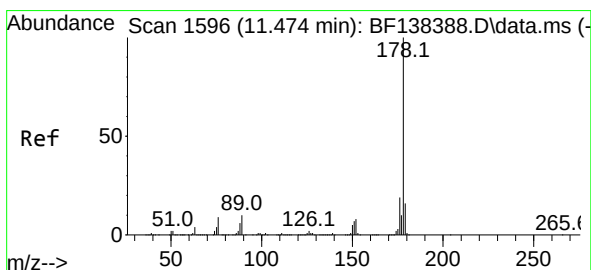
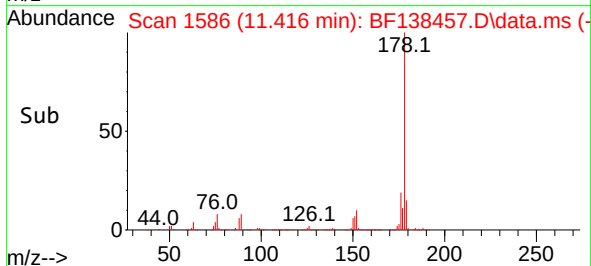
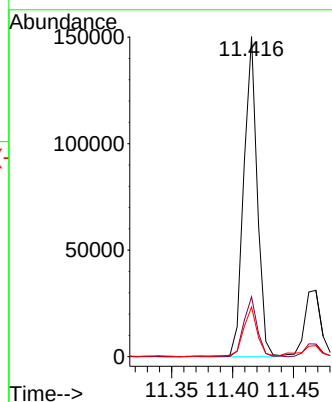
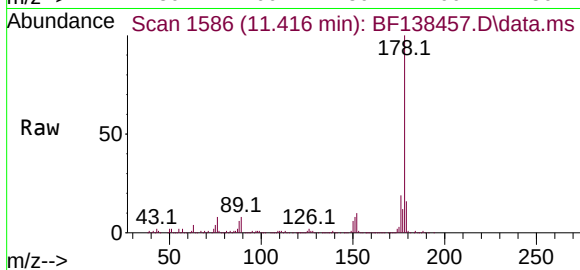
Tgt Ion:178 Resp: 115745

Ion Ratio Lower Upper

178 100

176 18.7 16.1 24.1

179 15.5 12.6 18.8



#72

Anthracene

Concen: 2.249 ng

RT: 11.468 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

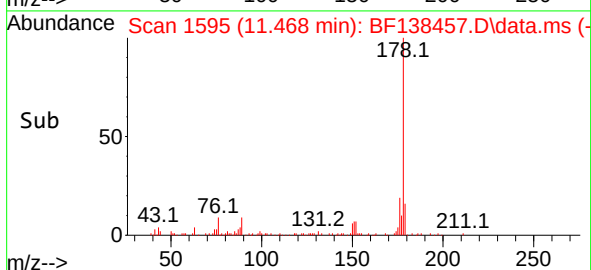
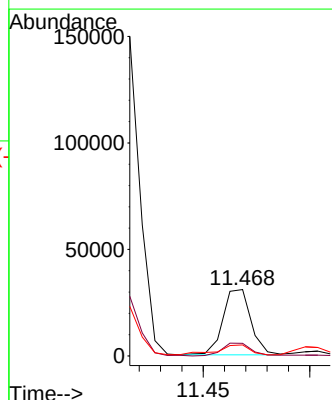
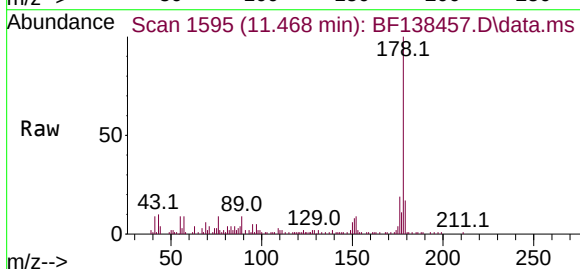
Tgt Ion:178 Resp: 27988

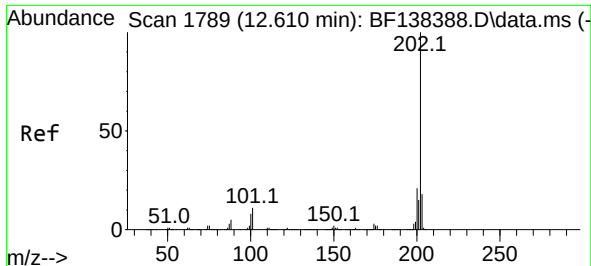
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

179 16.6 12.7 19.1

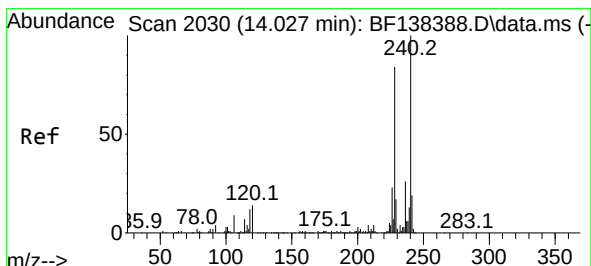
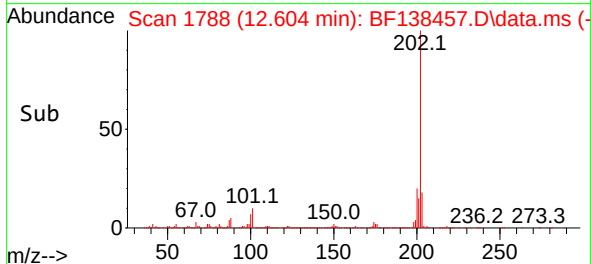
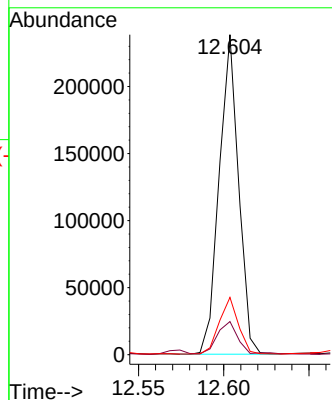
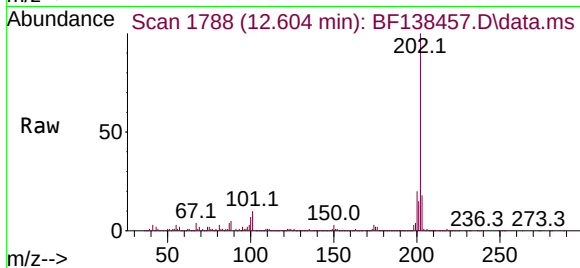




#75
Fluoranthene
Concen: 16.863 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

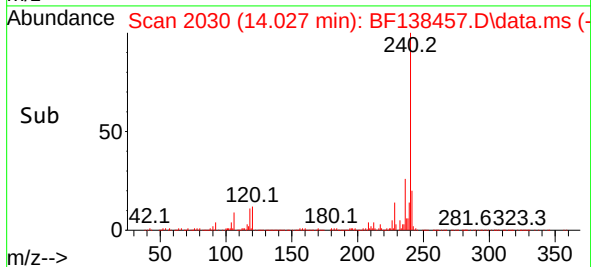
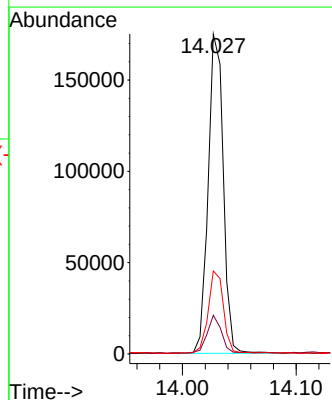
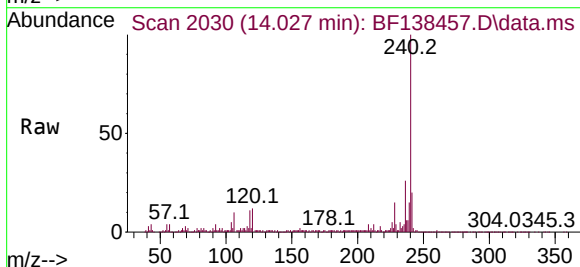
Instrument :
BNA_F
ClientSampleId :
EO-02-070224

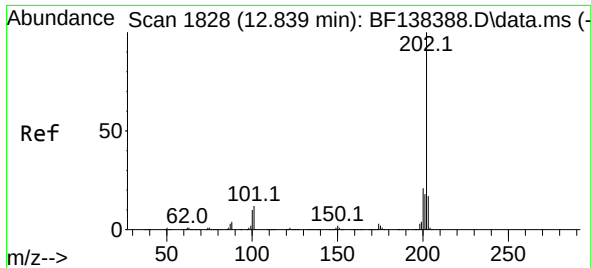
Tgt Ion:202 Resp: 188620
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.5
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:240 Resp: 161511
Ion Ratio Lower Upper
240 100
120 12.1 10.9 16.3
236 26.0 20.6 30.8

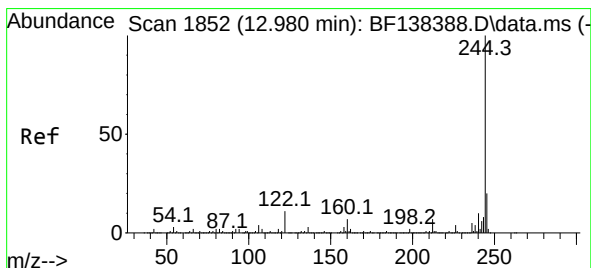
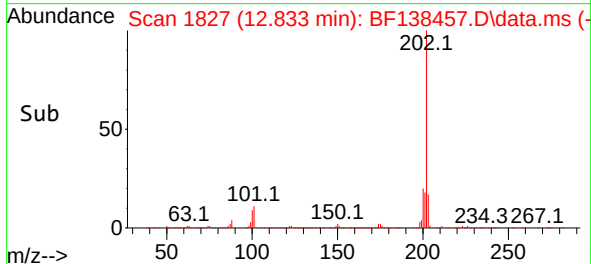
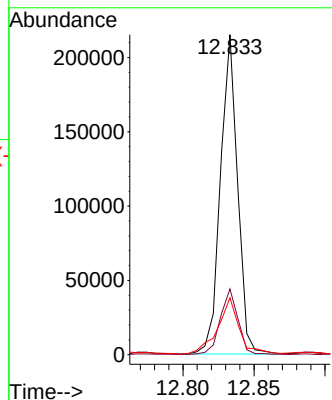
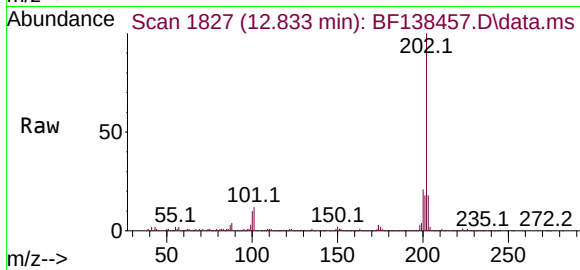




#78
Pyrene
Concen: 10.434 ng
RT: 12.833 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

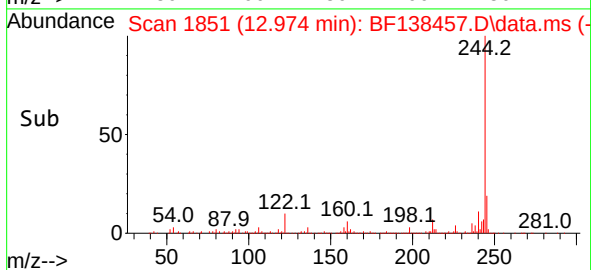
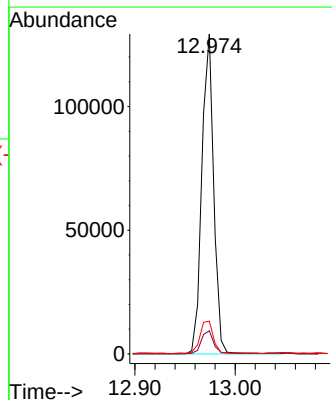
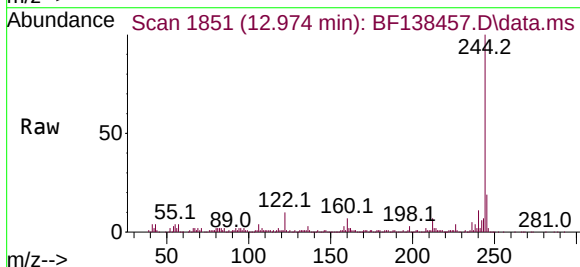
Instrument :
BNA_F
ClientSampleId :
EO-02-070224

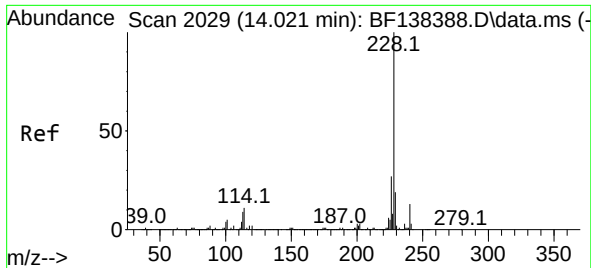
Tgt Ion:	202	Resp:	180112
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	17.8	13.8	20.8



#79
Terphenyl-d14
Concen: 9.085 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:	244	Resp:	107074
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.6	8.4
122	10.2	9.0	13.4

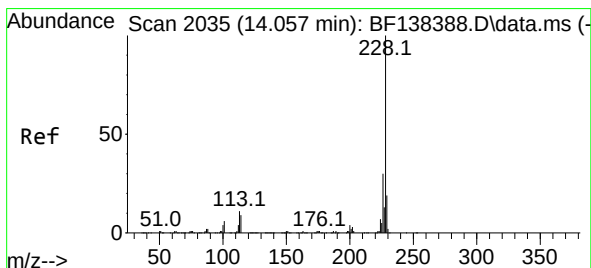
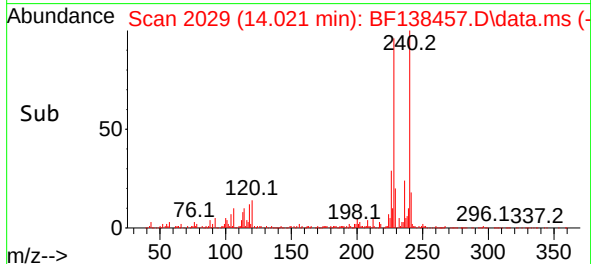
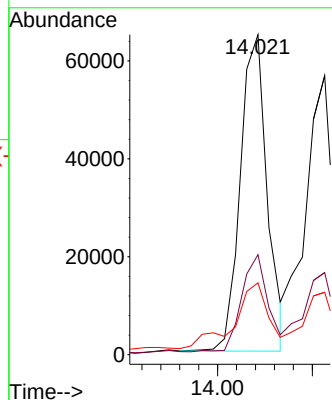
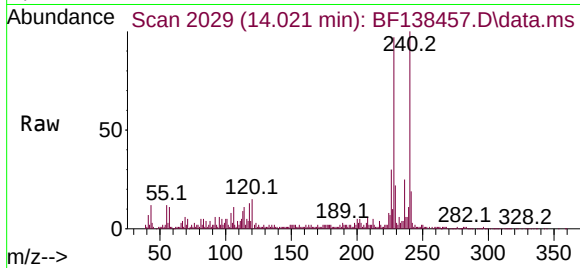




#81
Benzo(a)anthracene
Concen: 6.124 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

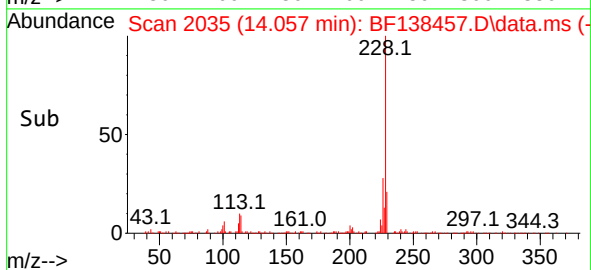
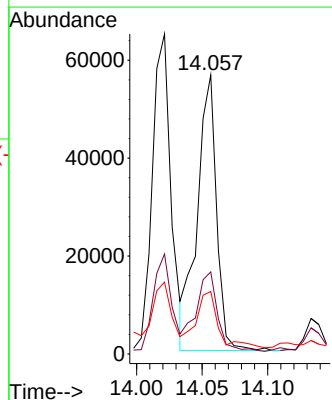
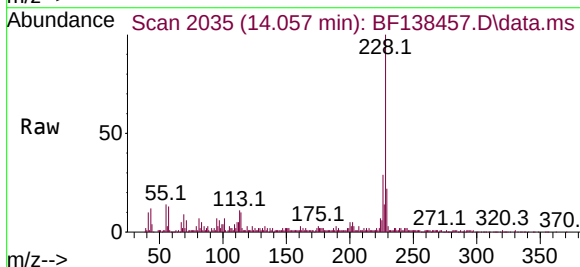
Instrument :
BNA_F
ClientSampleId :
EO-02-070224

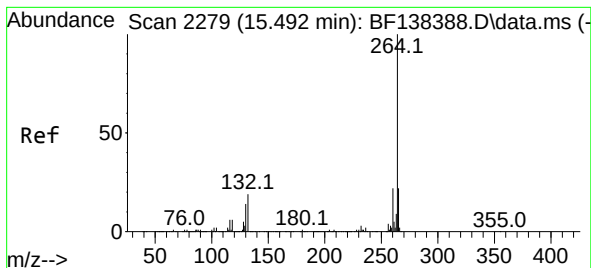
Tgt Ion:228 Resp: 63660
Ion Ratio Lower Upper
228 100
226 31.2 21.7 32.5
229 22.4 15.5 23.3



#83
Chrysene
Concen: 5.735 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:228 Resp: 58009
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 22.4 15.2 22.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224

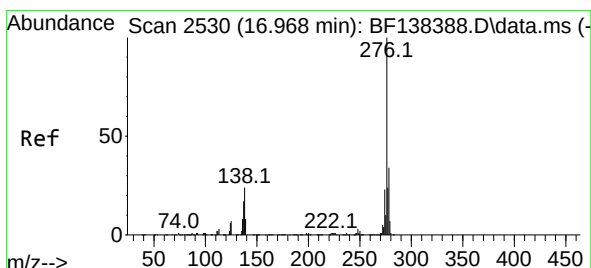
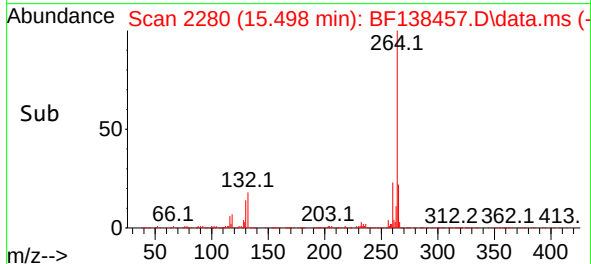
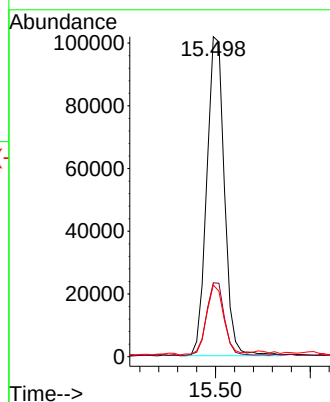
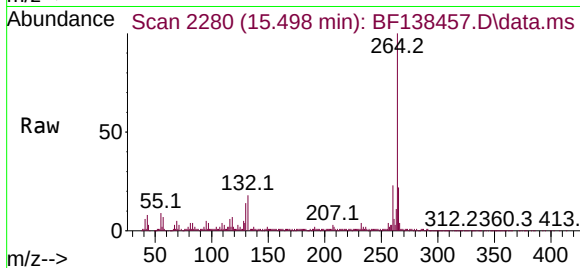
Tgt Ion:264 Resp: 131186

Ion Ratio Lower Upper

264 100

260 23.1 17.8 26.6

265 22.4 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.865 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.000 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

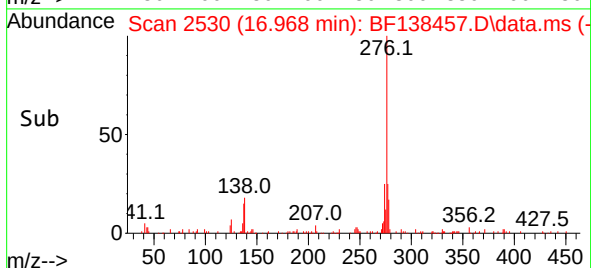
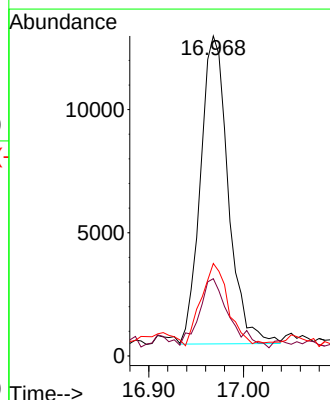
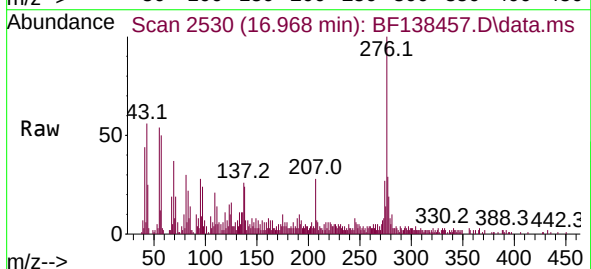
Tgt Ion:276 Resp: 25478

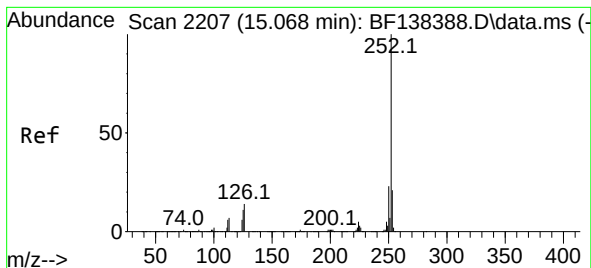
Ion Ratio Lower Upper

276 100

138 24.2 22.1 33.1

277 26.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 9.934 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224

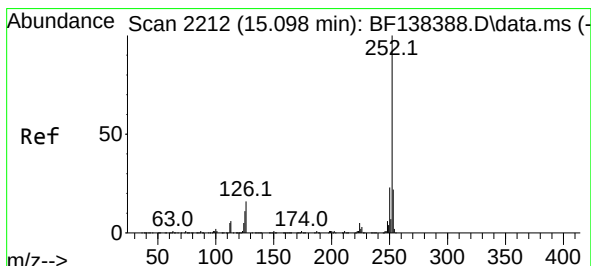
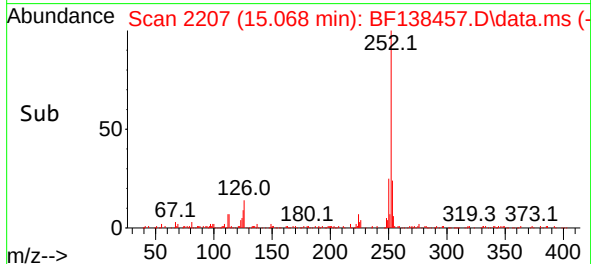
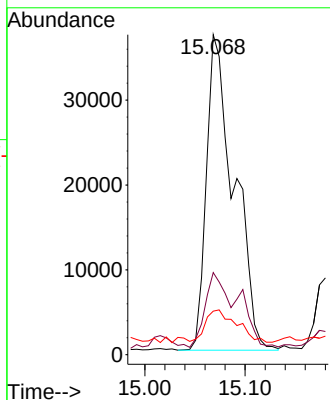
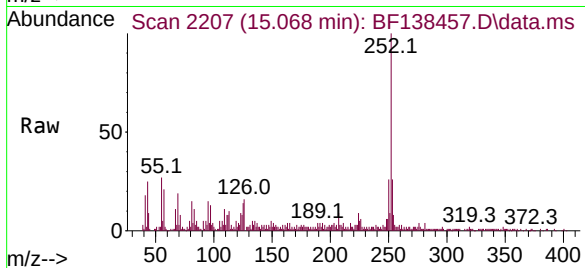
Tgt Ion:252 Resp: 71500

Ion Ratio Lower Upper

252 100

253 25.6 17.0 25.4#

125 13.6 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 10.785 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.030 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

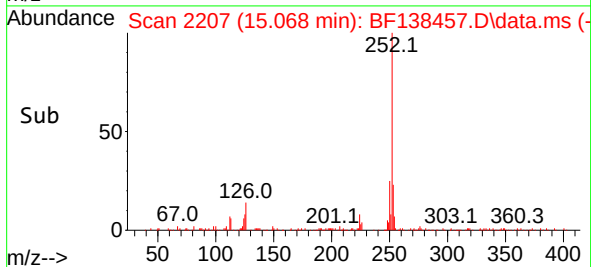
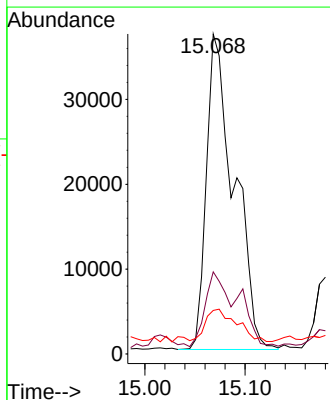
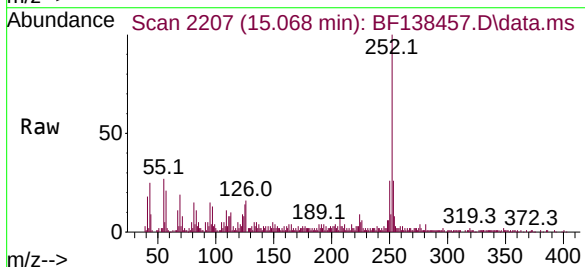
Tgt Ion:252 Resp: 71500

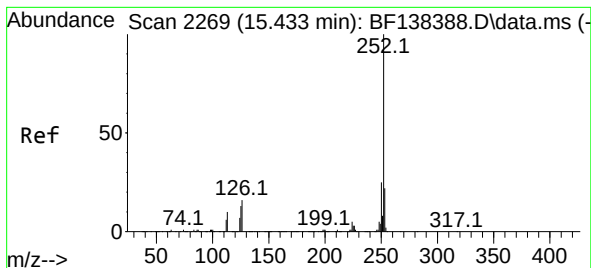
Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.2

125 13.6 8.7 13.1#





#90

Benzo(a)pyrene

Concen: 6.307 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224

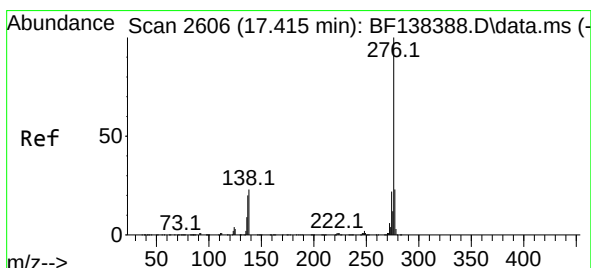
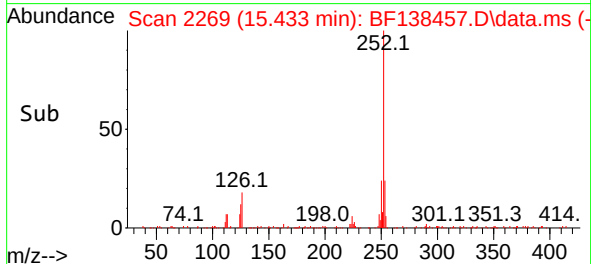
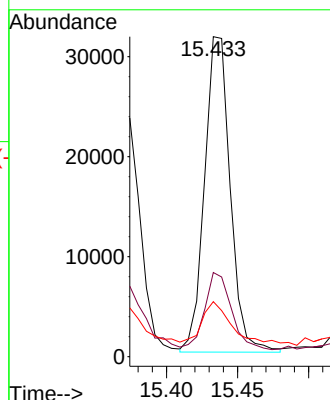
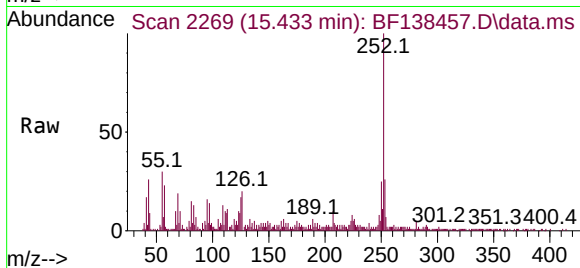
Tgt Ion:252 Resp: 39791

Ion Ratio Lower Upper

252 100

253 26.3 17.6 26.4

125 17.2 10.2 15.2#



#92

Benzo(g,h,i)perylene

Concen: 4.916 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.000 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Tgt Ion:276 Resp: 25588

Ion Ratio Lower Upper

276 100

277 25.1 18.3 27.5

138 25.8 18.3 27.5

