

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138562.D
 Acq On : 12 Jul 2024 23:12
 Operator : CG\JU
 Sample : P3227-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-07112024

Quant Time: Jul 13 00:13:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

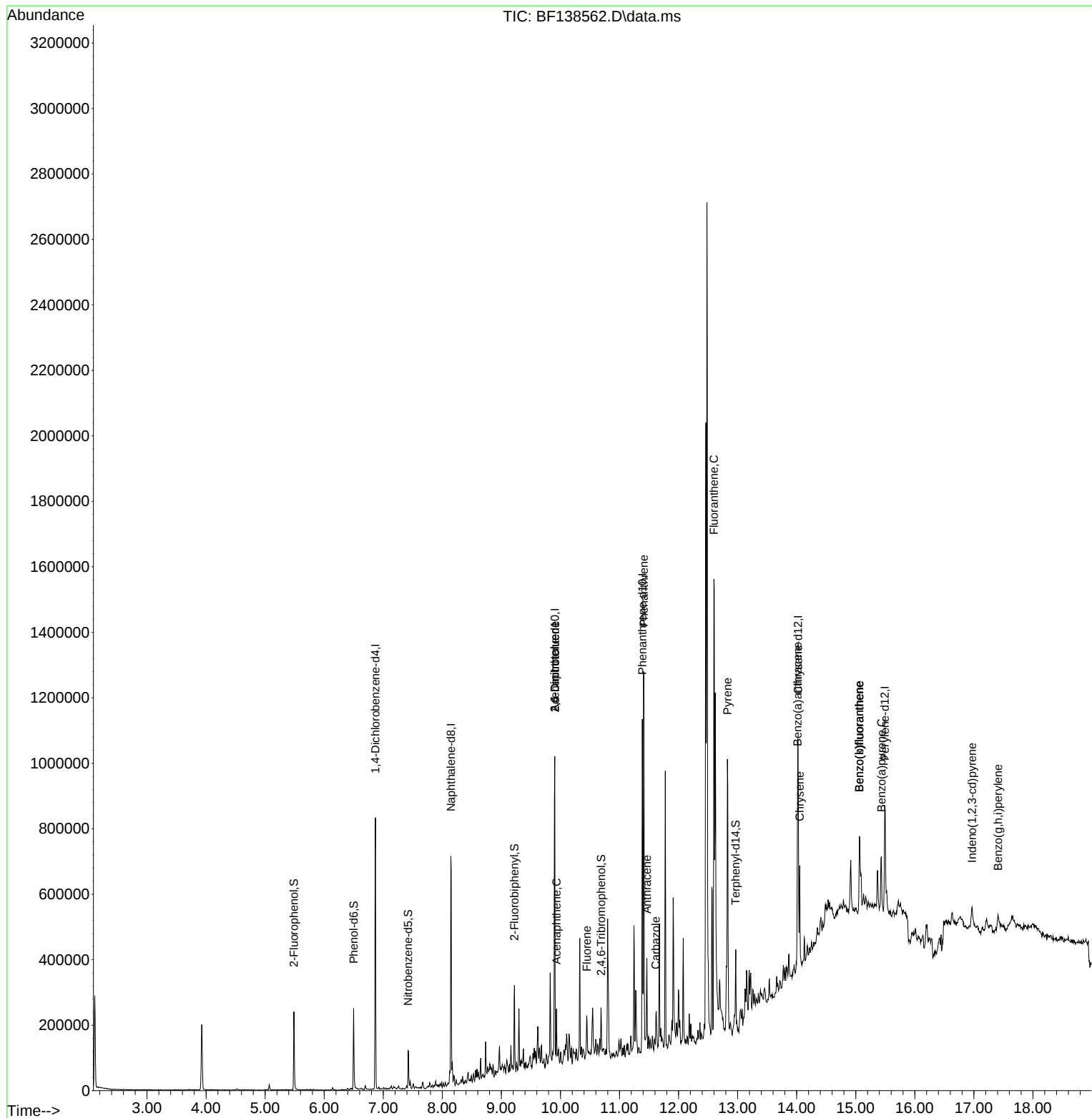
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	112301	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	286107	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	182170	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	330190	20.000	ng	0.00
76) Chrysene-d12	14.021	240	175686	20.000	ng	0.00
86) Perylene-d12	15.492	264	167026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	59409	8.378	ng	0.00
7) Phenol-d6	6.498	99	74681	7.917	ng	0.00
23) Nitrobenzene-d5	7.422	82	33997	5.834	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	13479	7.917	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	72066	6.183	ng	0.00
79) Terphenyl-d14	12.969	244	69795	6.472	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.904	165	24756	9.128	ng	# 24
52) Acenaphthene	9.933	154	24166	2.455	ng	94
57) 2,4-Dinitrotoluene	9.904	165	24756	7.055	ng	# 19
58) Fluorene	10.445	166	31034	2.747	ng	94
71) Phenanthrene	11.410	178	386125	23.147	ng	99
72) Anthracene	11.463	178	89452	5.402	ng	99
73) Carbazole	11.616	167	36205	2.433	ng	96
75) Fluoranthene	12.598	202	471577	27.705	ng	96
78) Pyrene	12.827	202	334994	18.783	ng	99
81) Benzo(a)anthracene	14.016	228	136337	11.565	ng	99
83) Chrysene	14.051	228	118974	10.668	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	46000	4.100	ng	94
88) Benzo(b)fluoranthene	15.063	252	168255	17.887	ng	# 92
89) Benzo(k)fluoranthene	15.063	252	168255	18.340	ng	# 92
90) Benzo(a)pyrene	15.433	252	87886	10.636	ng	# 95
92) Benzo(g,h,i)perylene	17.409	276	41876	4.303	ng	# 85

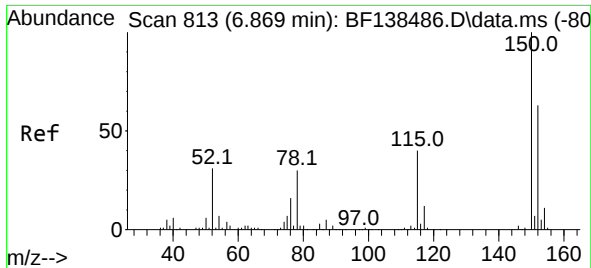
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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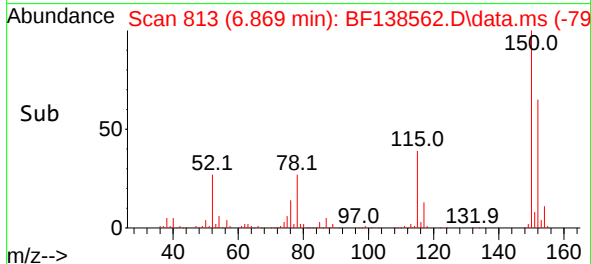
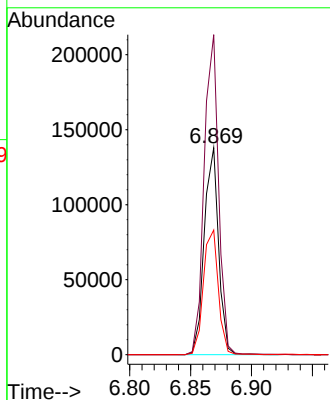
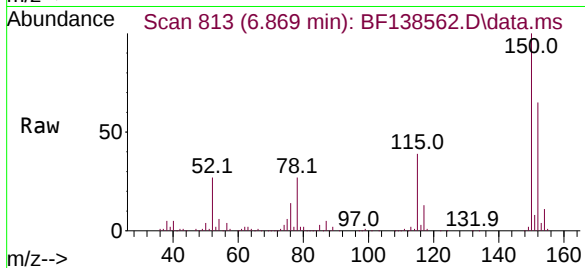




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

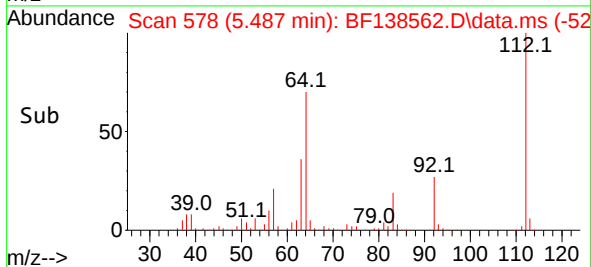
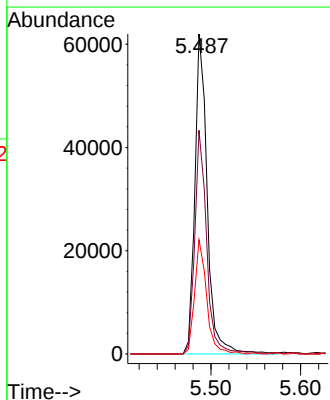
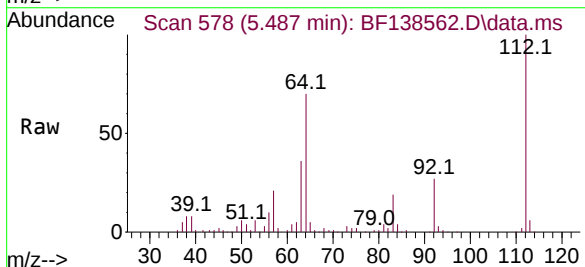
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024

Tgt Ion:152 Resp: 112301
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.4
115 60.2 50.3 75.5



#5
2-Fluorophenol
Concen: 8.378 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

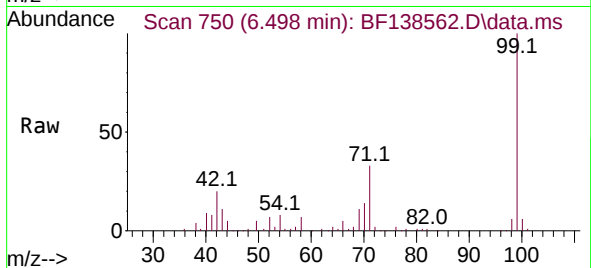
Tgt Ion:112 Resp: 59409
Ion Ratio Lower Upper
112 100
64 69.9 55.1 82.7
63 35.7 29.0 43.6





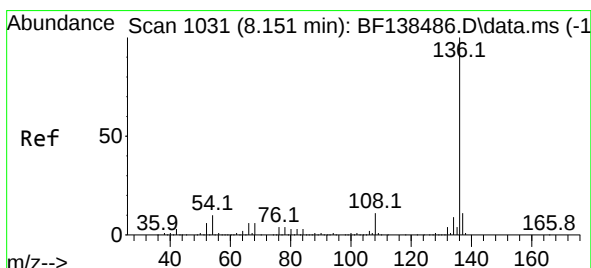
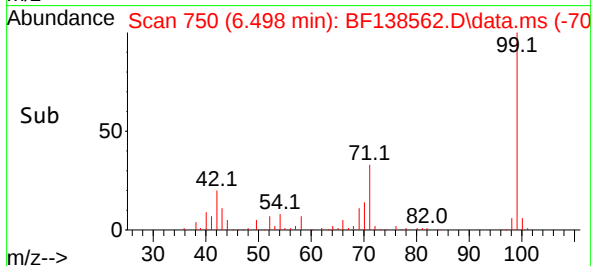
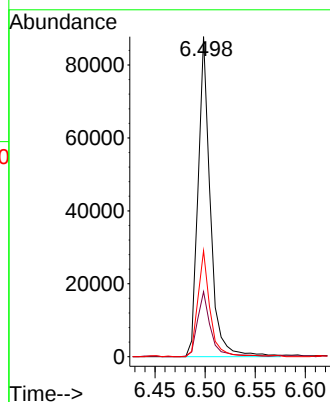
#7
Phenol-d6
Concen: 7.917 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

Instrument :
BNA_F
ClientSampleId :
EO-03-07112024



Tgt Ion: 99 Resp: 74681

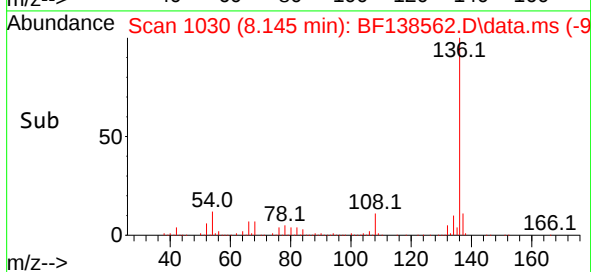
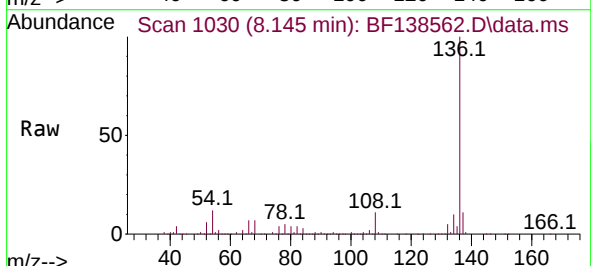
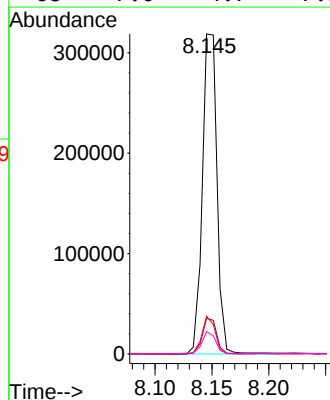
Ion	Ratio	Lower	Upper
99	100		
42	20.3	19.7	29.5
71	33.1	29.9	44.9

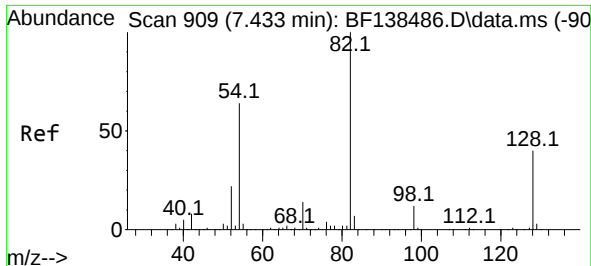


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

Tgt Ion: 136 Resp: 286107

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.8	8.1	12.1
68	7.0	4.7	7.1





#23

Nitrobenzene-d5

Concen: 5.834 ng

RT: 7.422 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

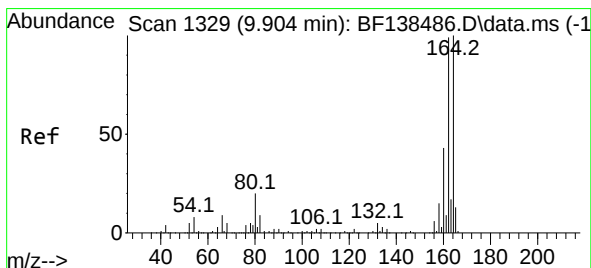
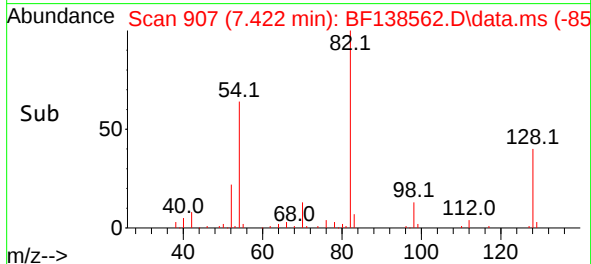
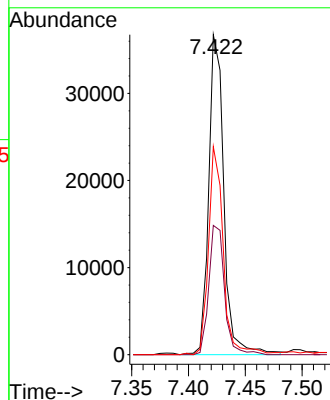
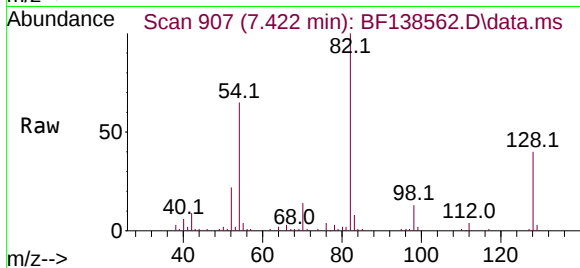
Tgt Ion: 82 Resp: 33997

Ion Ratio Lower Upper

82 100

128 40.4 32.3 48.5

54 65.0 51.4 77.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.000 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

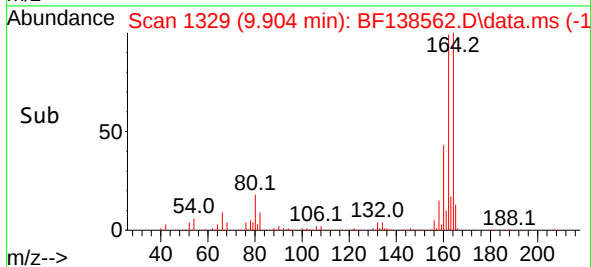
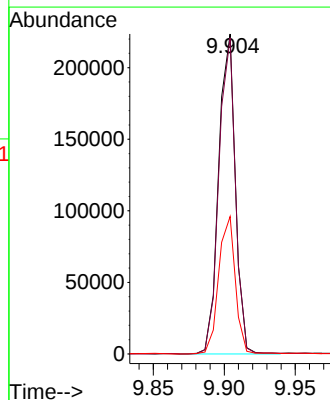
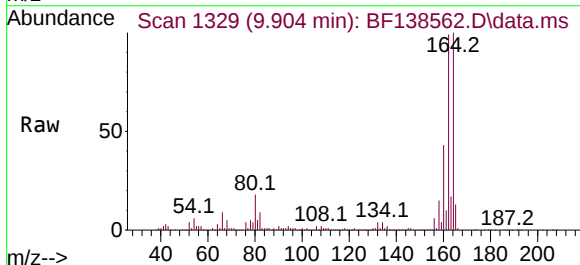
Tgt Ion: 164 Resp: 182170

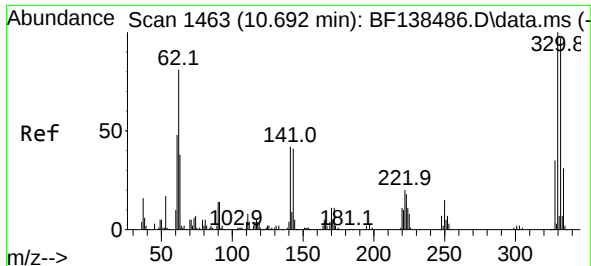
Ion Ratio Lower Upper

164 100

162 98.8 79.0 118.6

160 43.0 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 7.917 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

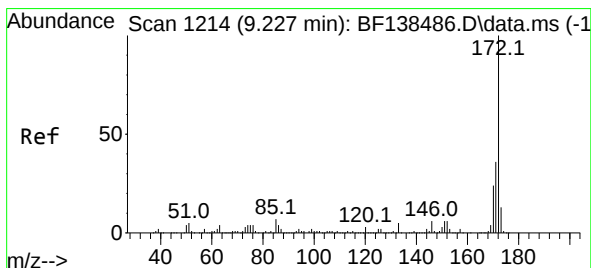
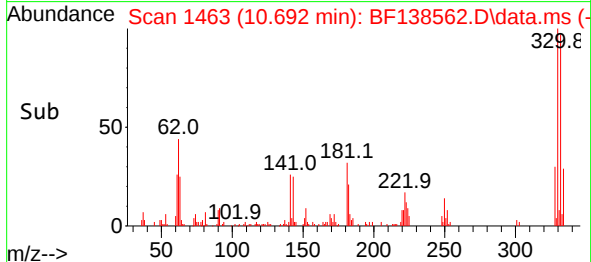
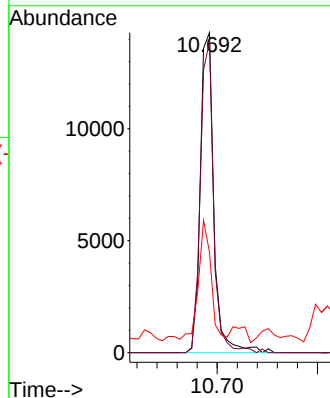
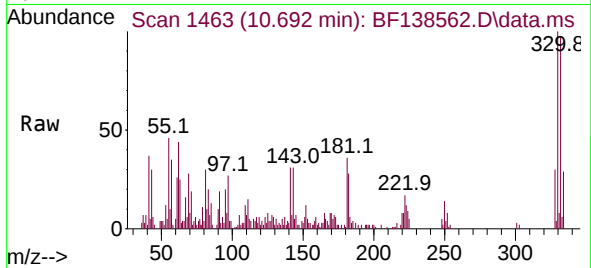
Tgt Ion:330 Resp: 13479

Ion Ratio Lower Upper

330 100

332 94.8 76.8 115.2

141 37.1 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 6.183 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

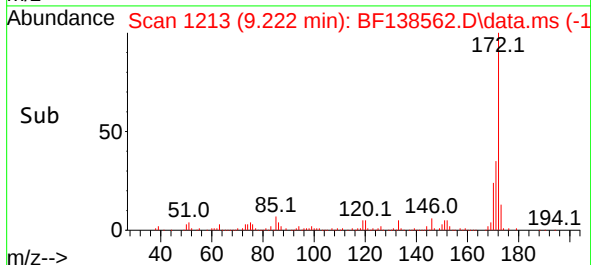
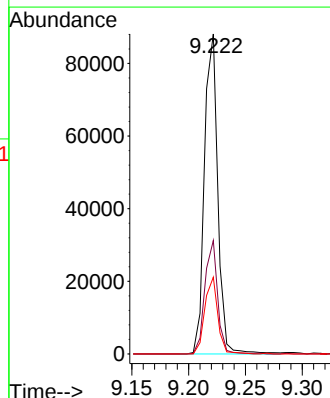
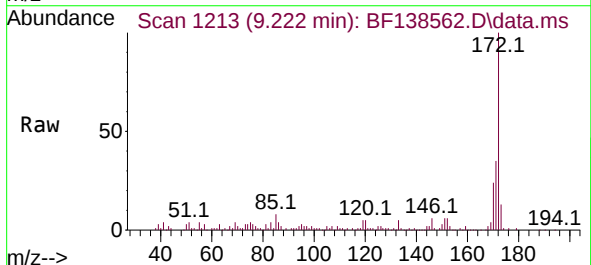
Tgt Ion:172 Resp: 72066

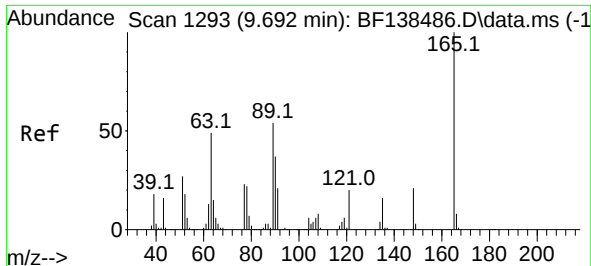
Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

170 24.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.128 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

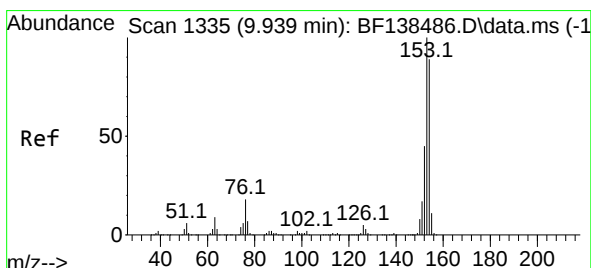
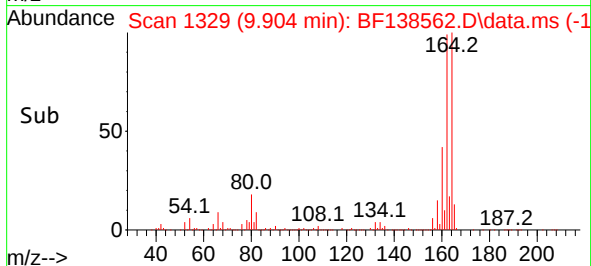
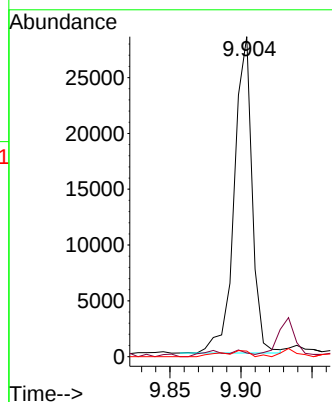
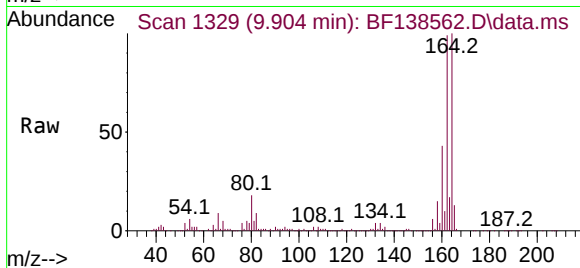
Tgt Ion:165 Resp: 24756

Ion Ratio Lower Upper

165 100

63 1.1 48.1 72.1#

89 1.7 43.0 64.6#



#52

Acenaphthene

Concen: 2.455 ng

RT: 9.933 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

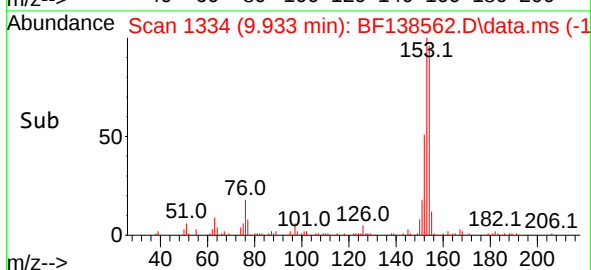
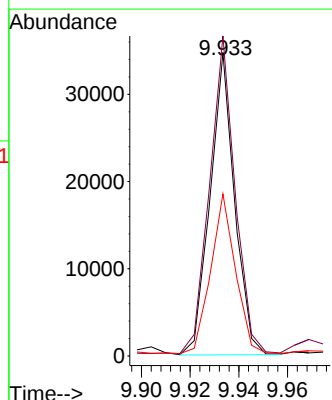
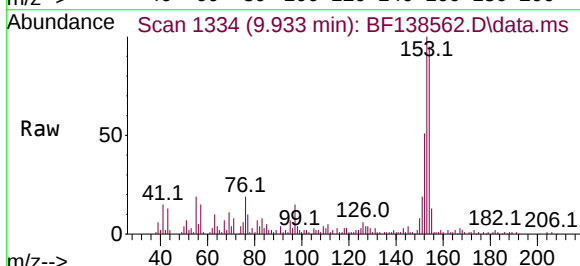
Tgt Ion:154 Resp: 24166

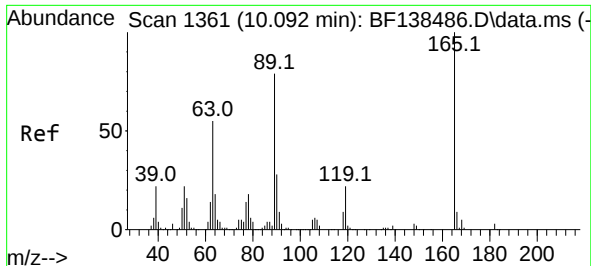
Ion Ratio Lower Upper

154 100

153 105.4 90.4 135.6

152 53.4 41.1 61.7

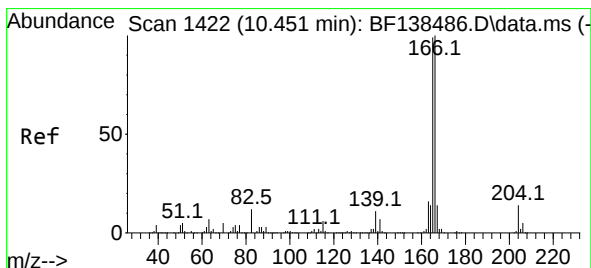
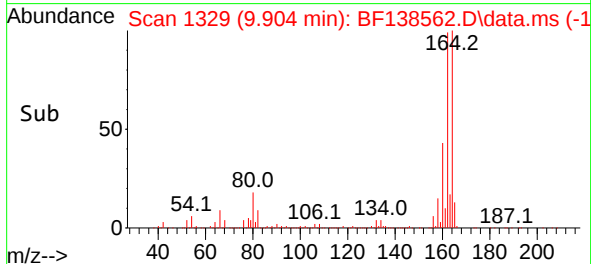
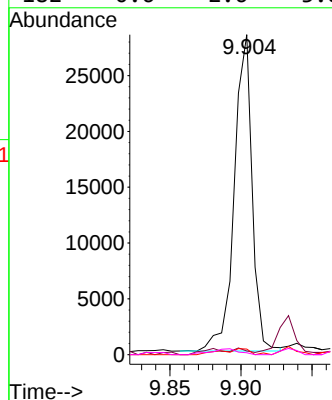
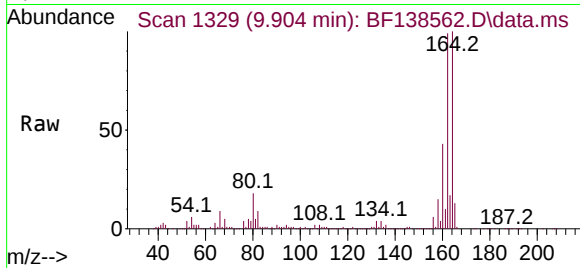




#57
2,4-Dinitrotoluene
Concen: 7.055 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

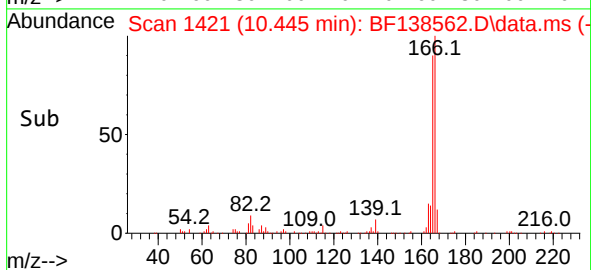
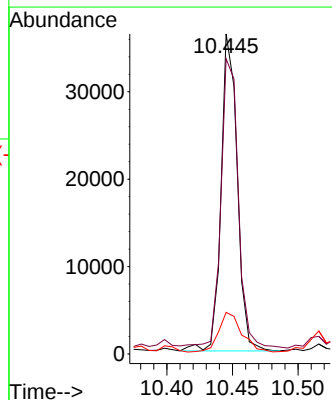
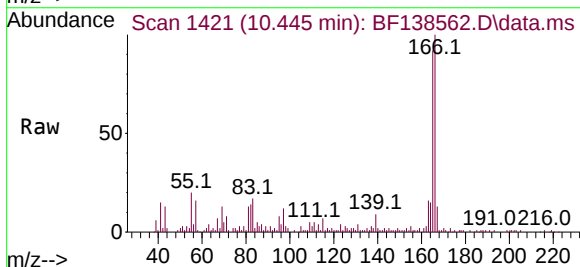
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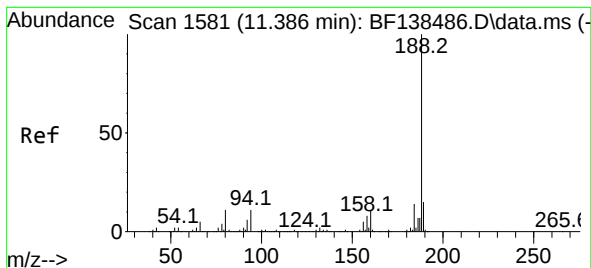
Tgt Ion:165 Resp: 24756
Ion Ratio Lower Upper
165 100
63 1.1 44.6 66.8#
89 1.7 63.4 95.2#
182 0.6 2.6 3.8#



#58
Fluorene
Concen: 2.747 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

Tgt Ion:166 Resp: 31034
Ion Ratio Lower Upper
166 100
165 92.3 79.1 118.7
167 13.0 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

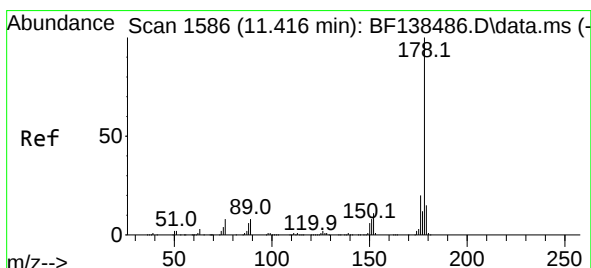
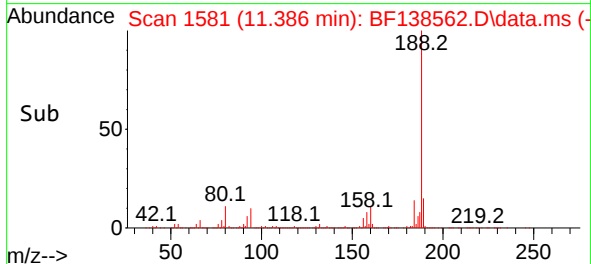
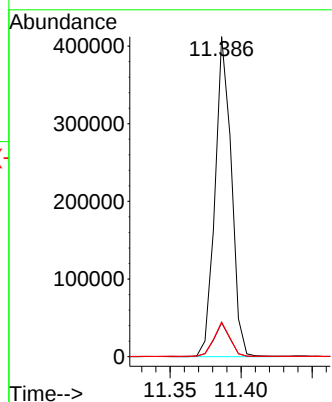
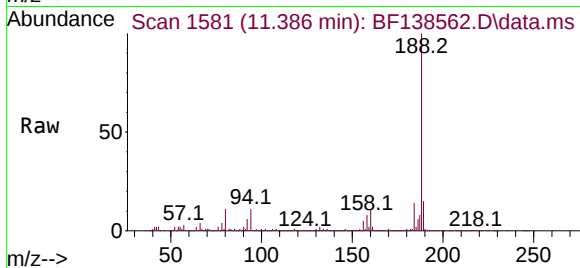
Tgt Ion:188 Resp: 330190

Ion Ratio Lower Upper

188 100

94 10.6 8.7 13.1

80 10.9 9.0 13.4



#71

Phenanthrene

Concen: 23.147 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

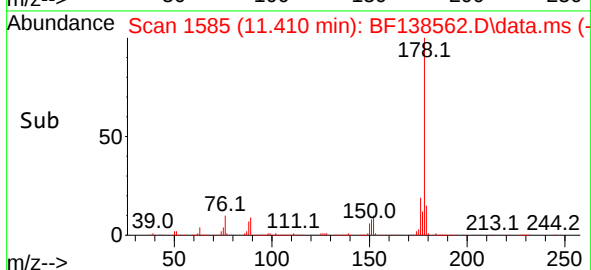
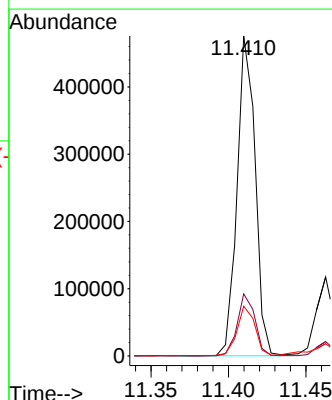
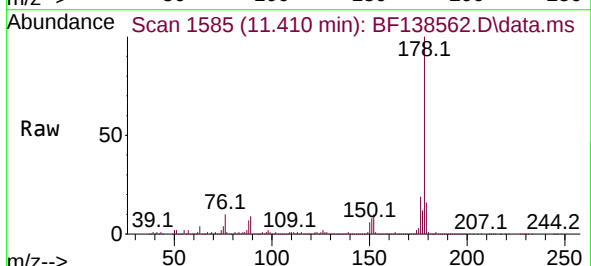
Tgt Ion:178 Resp: 386125

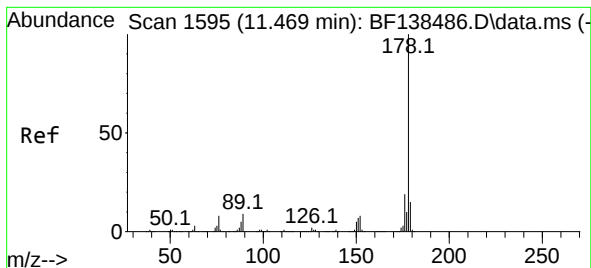
Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 15.5 12.2 18.2





#72

Anthracene

Concen: 5.402 ng

RT: 11.463 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

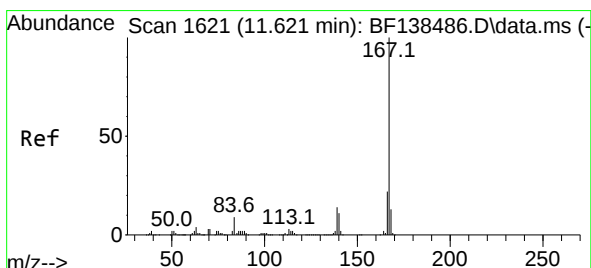
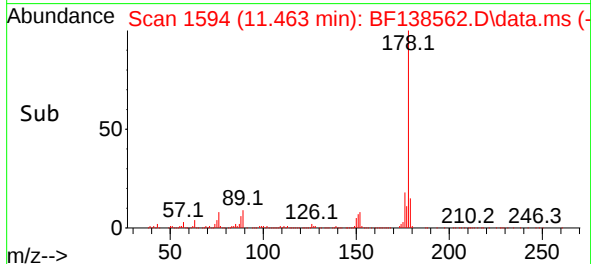
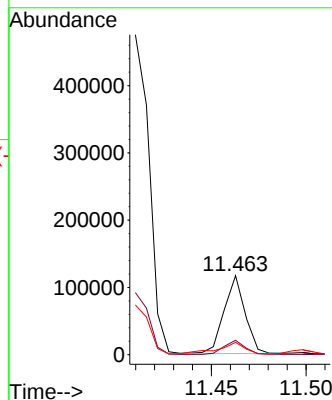
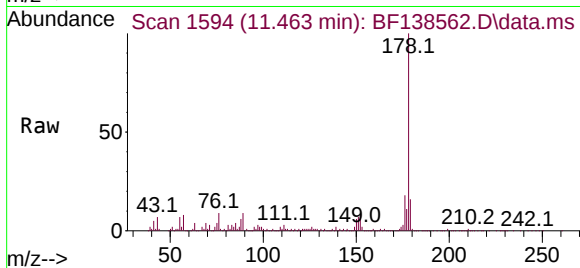
Tgt Ion:178 Resp: 89452

Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

179 15.6 12.2 18.4



#73

Carbazole

Concen: 2.433 ng

RT: 11.616 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

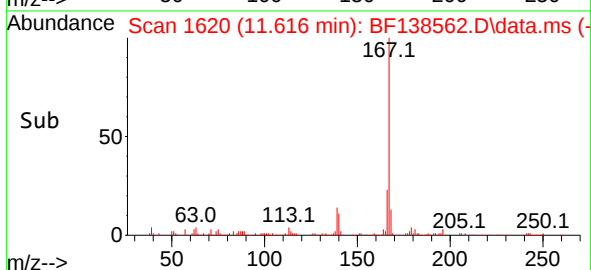
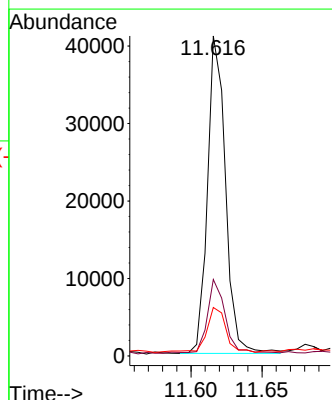
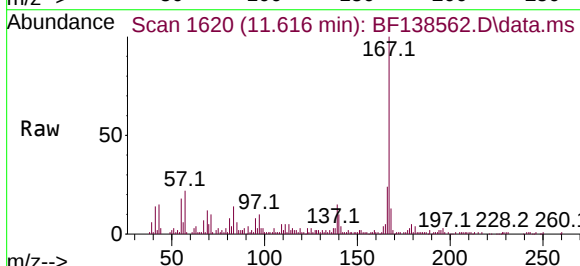
Tgt Ion:167 Resp: 36205

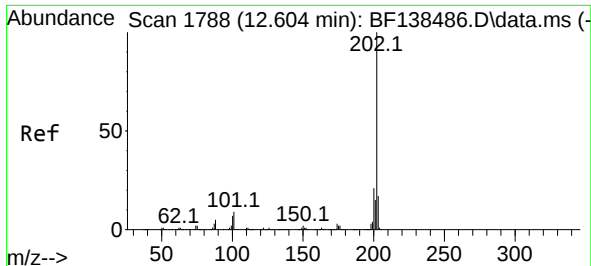
Ion Ratio Lower Upper

167 100

166 23.9 17.8 26.6

139 15.2 11.0 16.4

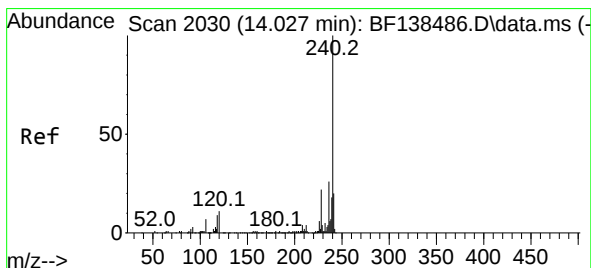
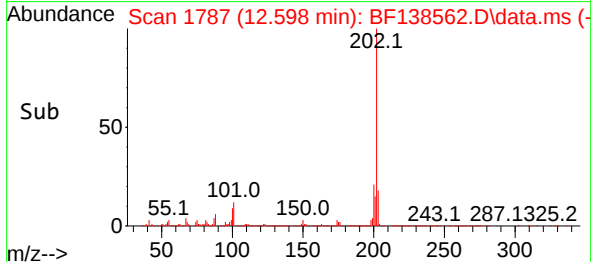
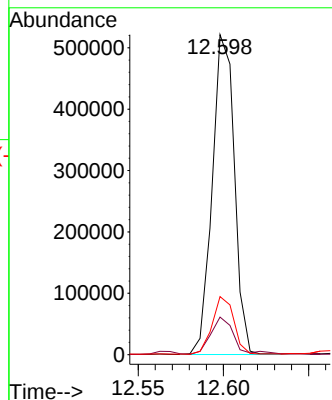
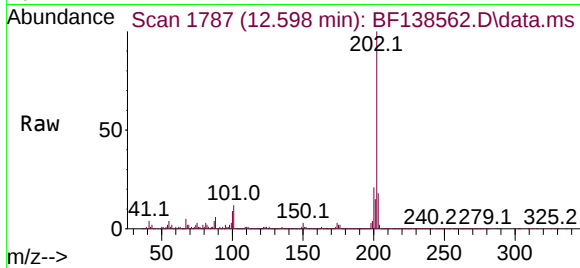




#75
Fluoranthene
Concen: 27.705 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

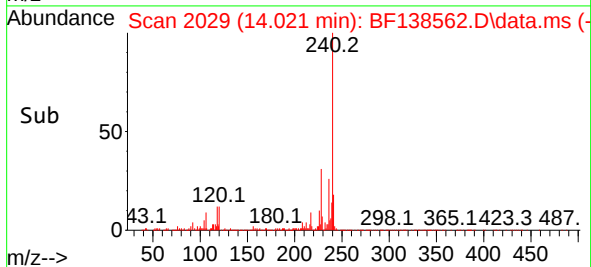
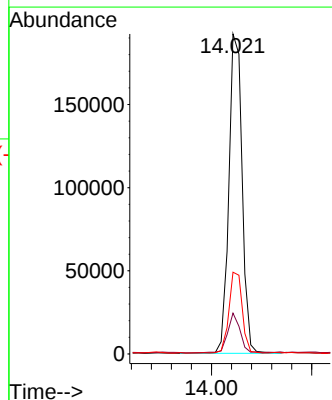
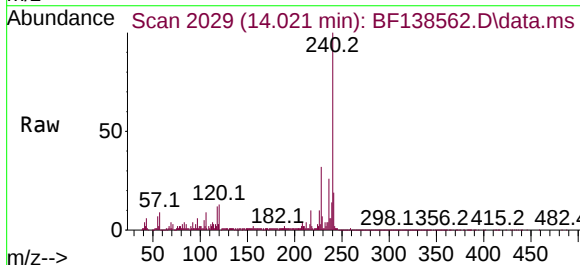
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024

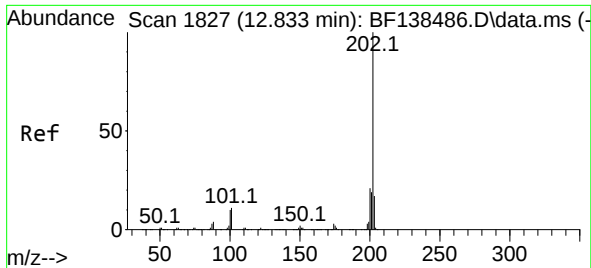
Tgt Ion:202 Resp: 471577
Ion Ratio Lower Upper
202 100
101 11.8 0.0 29.2
203 18.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

Tgt Ion:240 Resp: 175686
Ion Ratio Lower Upper
240 100
120 12.7 8.6 12.8
236 25.5 21.0 31.6

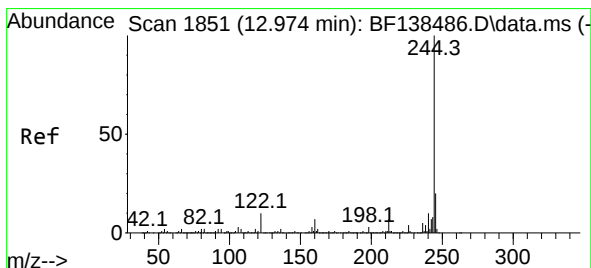
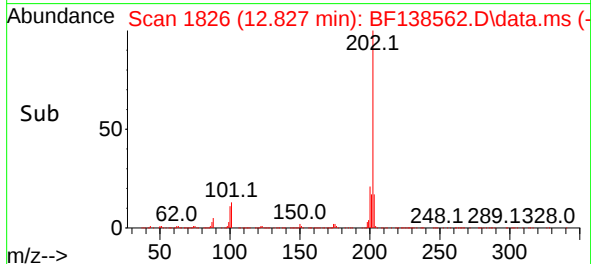
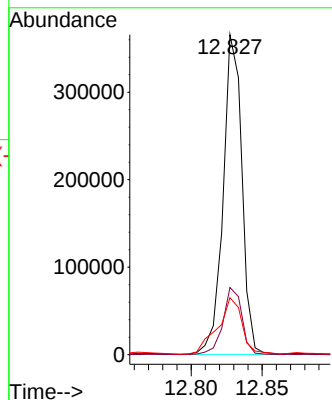
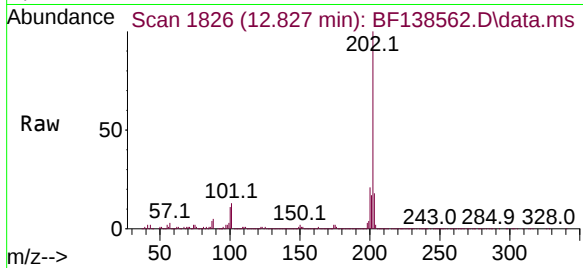




#78
 Pyrene
 Concen: 18.783 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF138562.D
 Acq: 12 Jul 2024 23:12

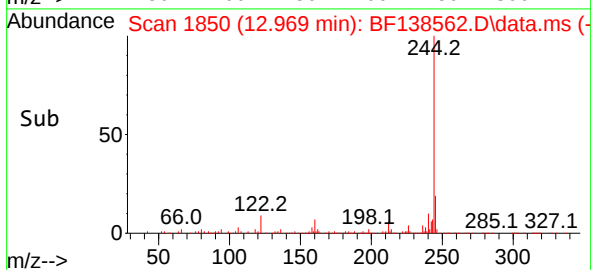
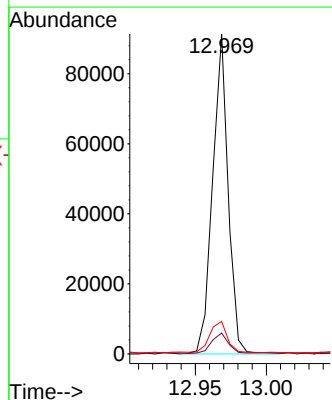
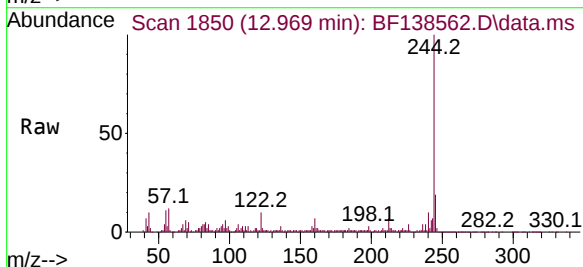
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-07112024

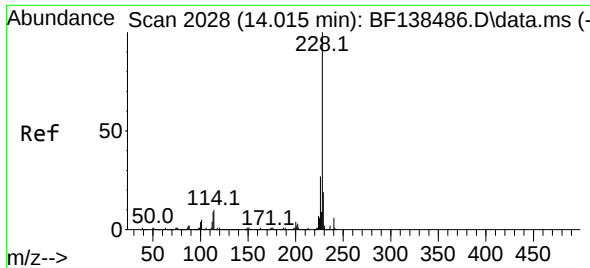
Tgt Ion:202 Resp: 334994
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.6
 203 17.8 13.7 20.5



#79
 Terphenyl-d14
 Concen: 6.472 ng
 RT: 12.969 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF138562.D
 Acq: 12 Jul 2024 23:12

Tgt Ion:244 Resp: 69795
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 10.1 7.8 11.8

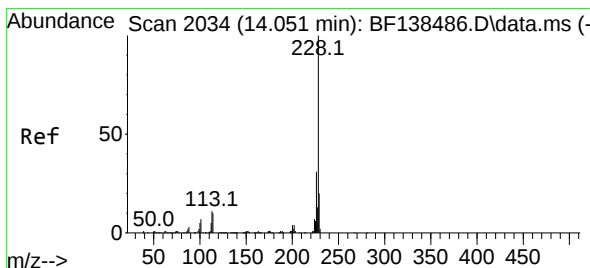
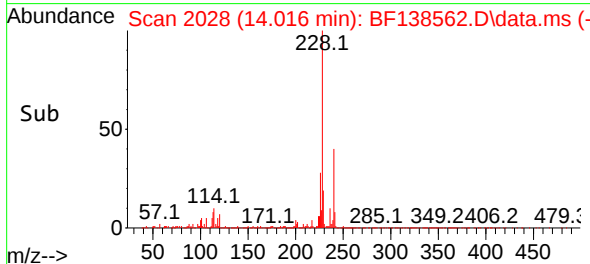
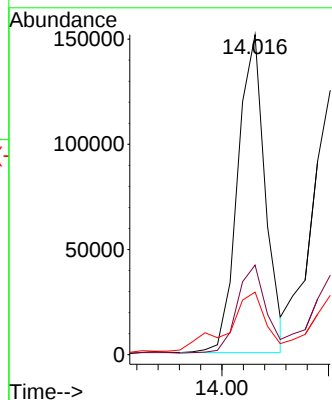
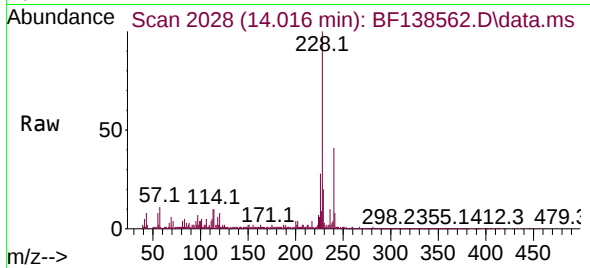




#81
Benzo(a)anthracene
Concen: 11.565 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

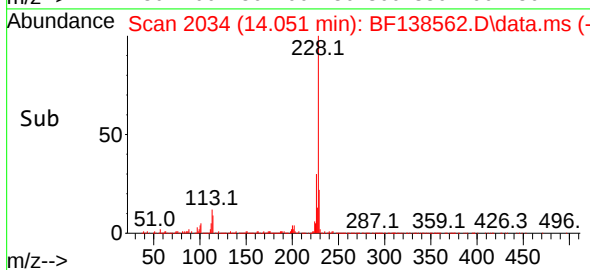
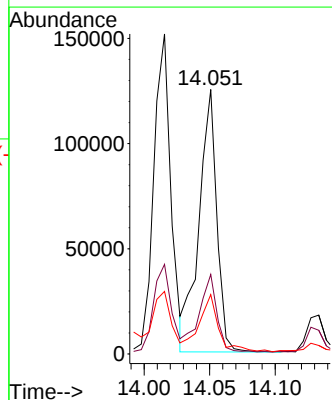
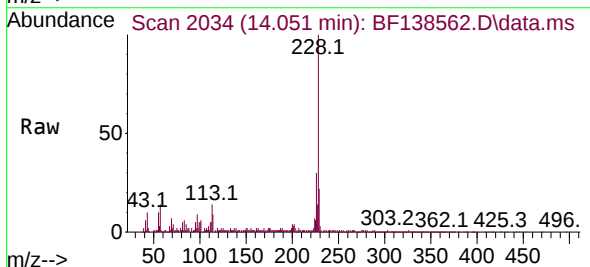
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024

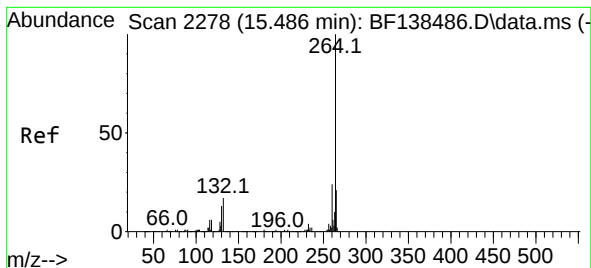
Tgt Ion:228 Resp: 136337
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 19.6 15.5 23.3



#83
Chrysene
Concen: 10.668 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

Tgt Ion:228 Resp: 118974
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.5 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

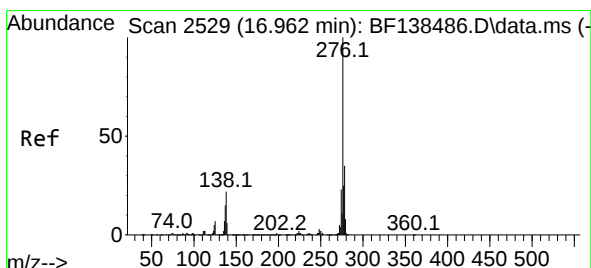
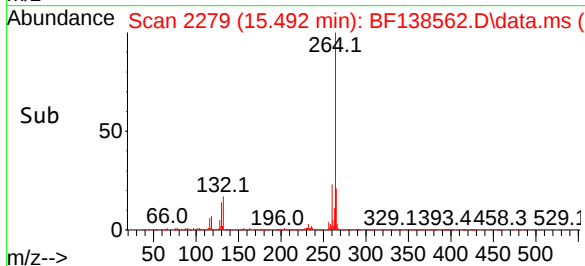
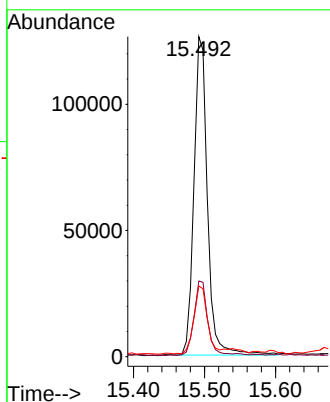
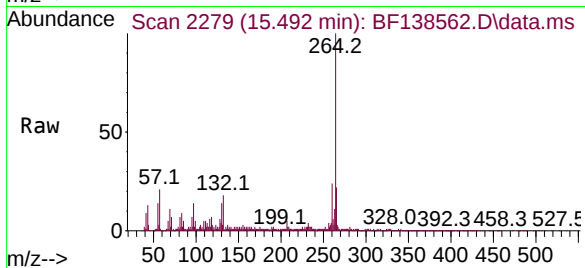
Tgt Ion:264 Resp: 167026

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 22.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.100 ng

RT: 16.968 min Scan# 2530

Delta R.T. 0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

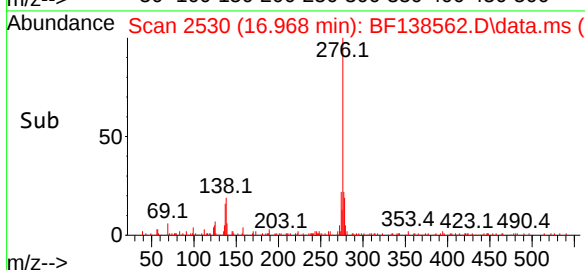
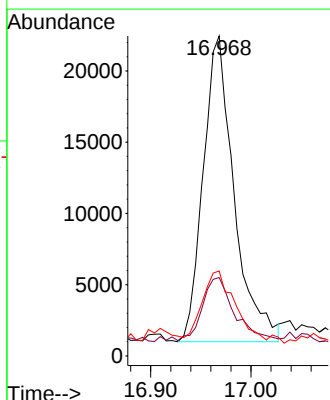
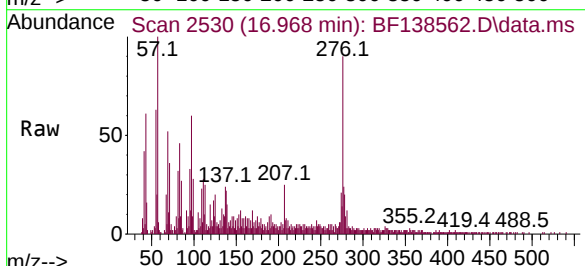
Tgt Ion:276 Resp: 46000

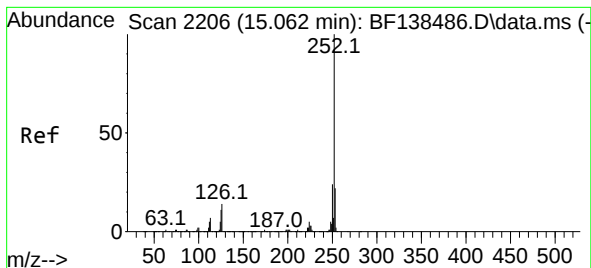
Ion Ratio Lower Upper

276 100

138 21.4 19.6 29.4

277 22.8 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 17.887 ng

RT: 15.063 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

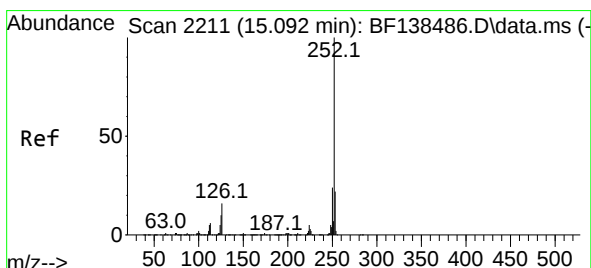
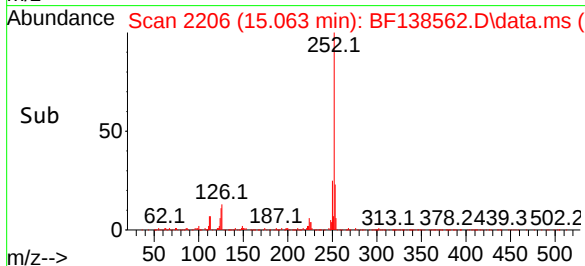
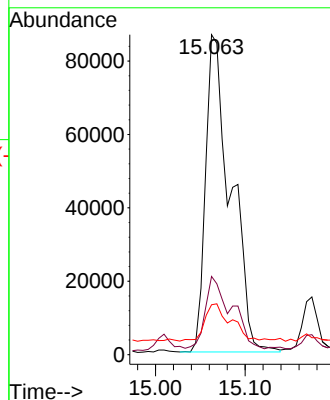
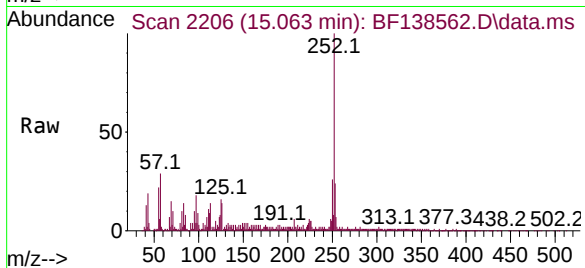
Tgt Ion:252 Resp: 168255

Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

125 15.6 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 18.340 ng

RT: 15.063 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

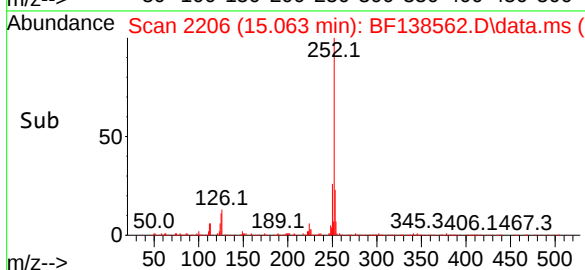
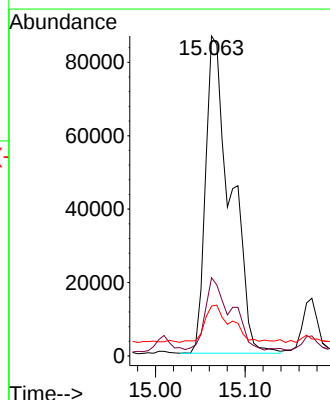
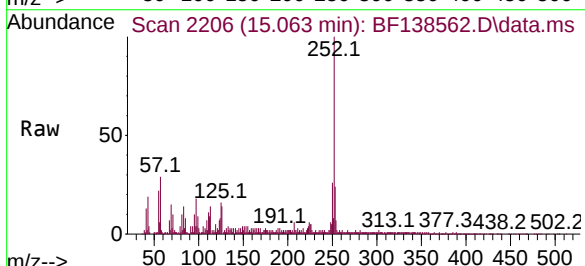
Tgt Ion:252 Resp: 168255

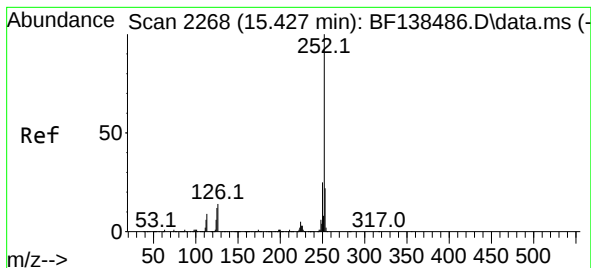
Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 15.6 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 10.636 ng

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

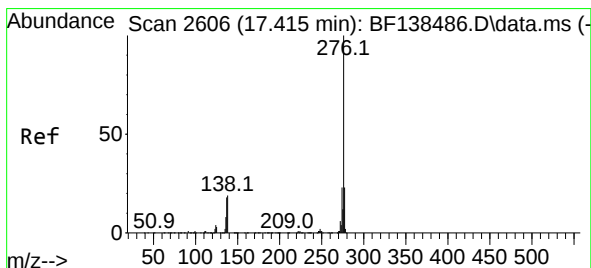
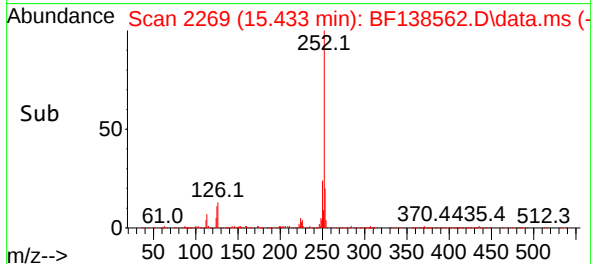
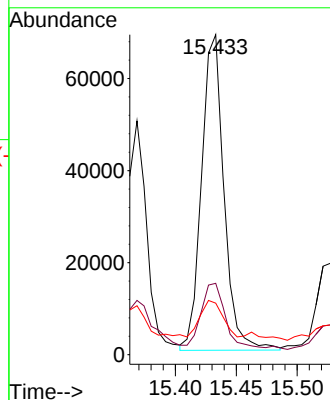
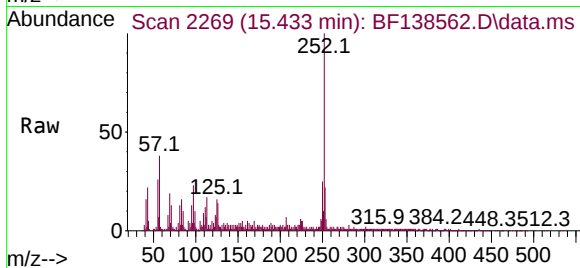
Tgt Ion:252 Resp: 87886

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 16.1 9.4 14.2#



#92

Benzo(g,h,i)perylene

Concen: 4.303 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Tgt Ion:276 Resp: 41876

Ion Ratio Lower Upper

276 100

277 29.1 18.0 27.0#

138 27.0 15.5 23.3#

