

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
 Data File : BF138670.D
 Acq On : 29 Jul 2024 15:04
 Operator : RC/JU
 Sample : P3363-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-072524

Quant Time: Jul 29 15:46:01 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)

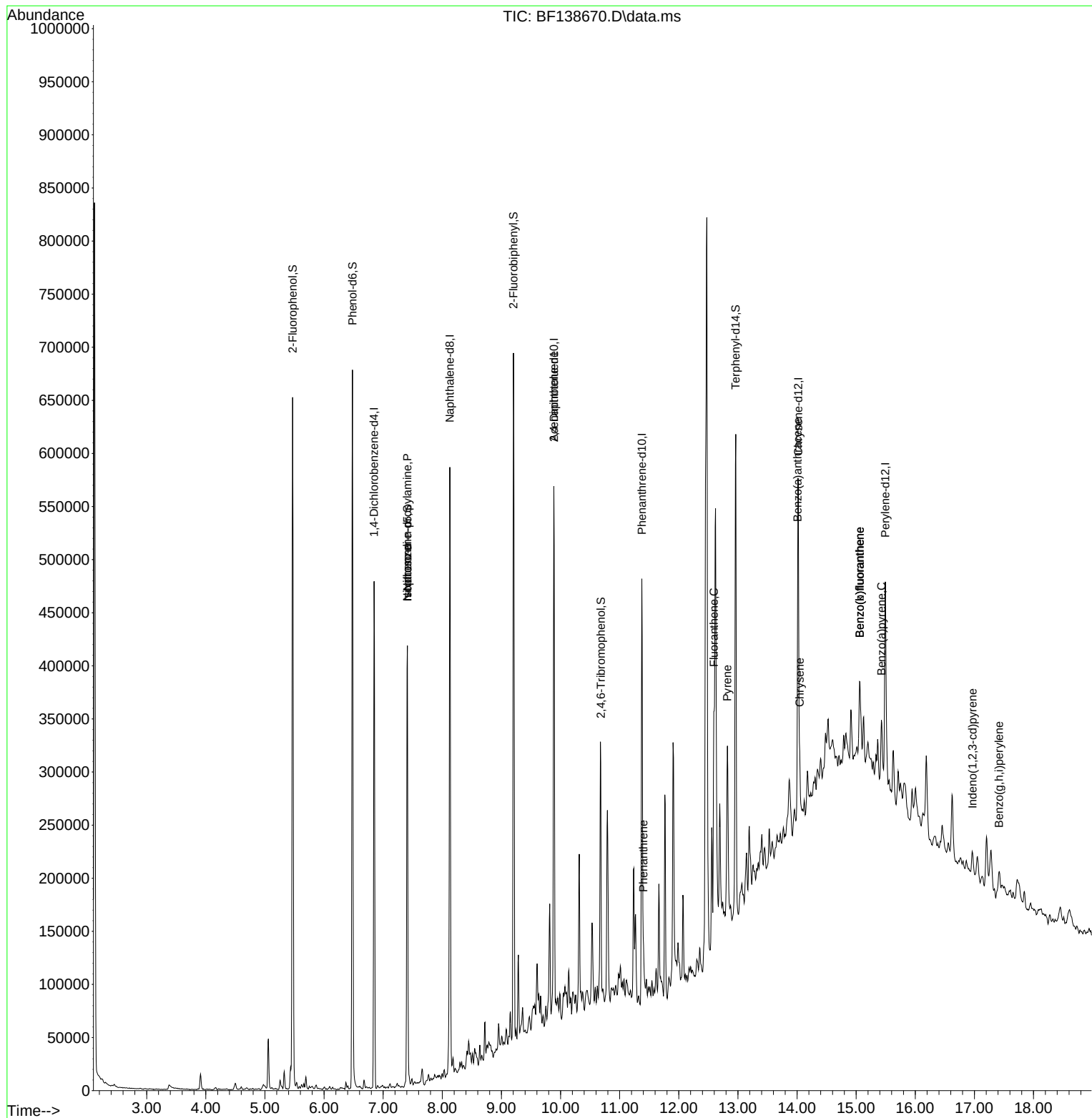
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	93518	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	330079	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	138905	20.000	ng	-0.02
64) Phenanthrene-d10	11.375	188	193361	20.000	ng	-0.01
76) Chrysene-d12	14.021	240	126308	20.000	ng	0.00
86) Perylene-d12	15.492	264	100939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	217260	36.794	ng	-0.02
7) Phenol-d6	6.481	99	288109	36.678	ng	-0.02
23) Nitrobenzene-d5	7.410	82	176957	26.322	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	37189	28.646	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	266955	30.037	ng	-0.02
79) Terphenyl-d14	12.963	244	216157	27.880	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	24466	5.041	ng	# 75
25) Isophorone	7.410	82	176954	15.327	ng	# 68
57) 2,4-Dinitrotoluene	9.886	165	19907	7.440	ng	# 19
71) Phenanthrene	11.398	178	25153	2.575	ng	# 95
75) Fluoranthene	12.592	202	79588	7.984	ng	98
78) Pyrene	12.822	202	82453	6.431	ng	98
81) Benzo(a)anthracene	14.010	228	41396	4.884	ng	# 93
83) Chrysene	14.045	228	31123	3.882	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.968	276	16086	2.373	ng	98
88) Benzo(b)fluoranthene	15.063	252	47642	8.381	ng	# 82
89) Benzo(k)fluoranthene	15.063	252	47642	8.593	ng	# 82
90) Benzo(a)pyrene	15.427	252	24357	4.878	ng	# 81
92) Benzo(g,h,i)perylene	17.415	276	18495	3.145	ng	# 88

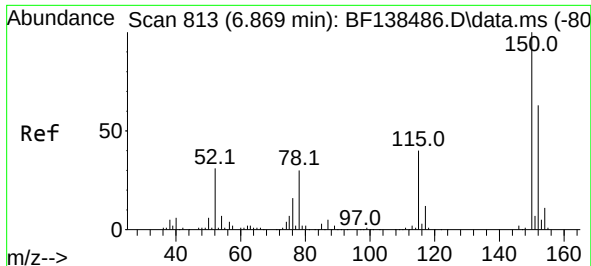
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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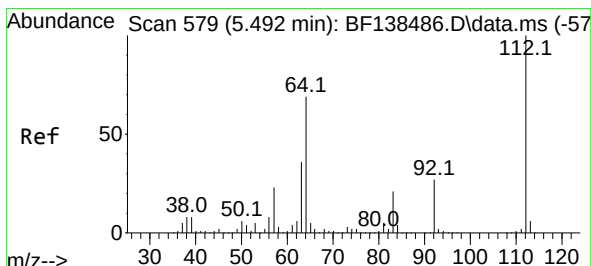
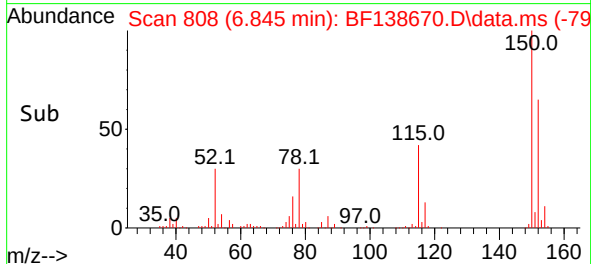
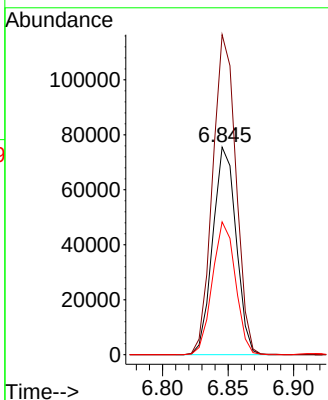
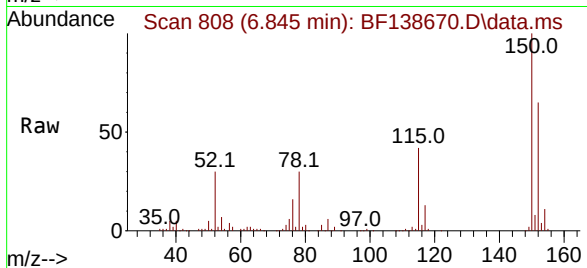




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.024 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

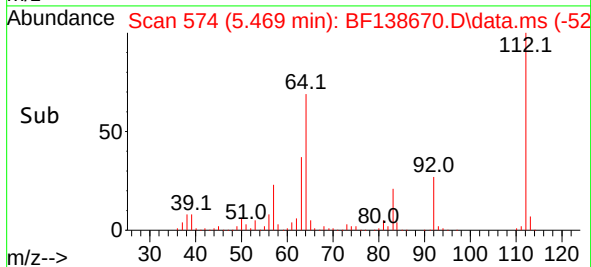
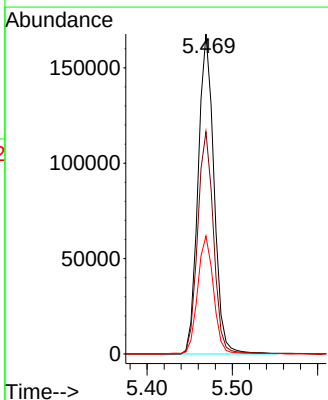
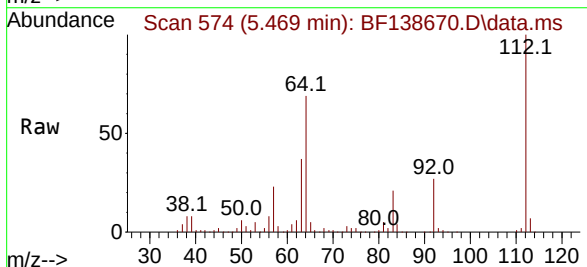
Instrument :
BNA_F
ClientSampleId :
EO-01-072524

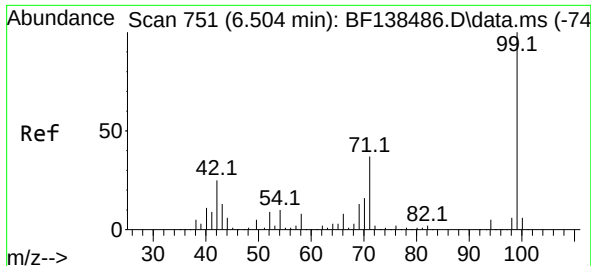
Tgt Ion:152 Resp: 93518
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.4
115 64.0 50.3 75.5



#5
2-Fluorophenol
Concen: 36.794 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.023 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:112 Resp: 217260
Ion Ratio Lower Upper
112 100
64 69.4 55.1 82.7
63 36.9 29.0 43.6

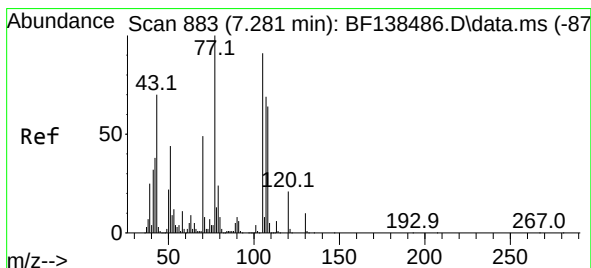
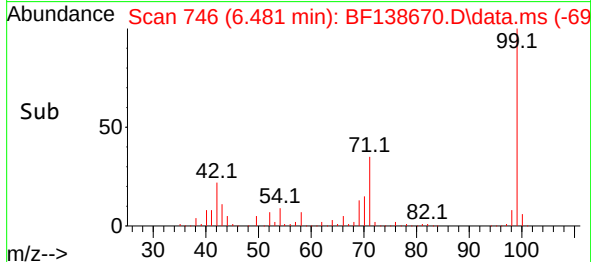
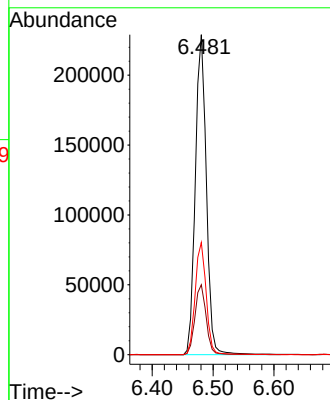
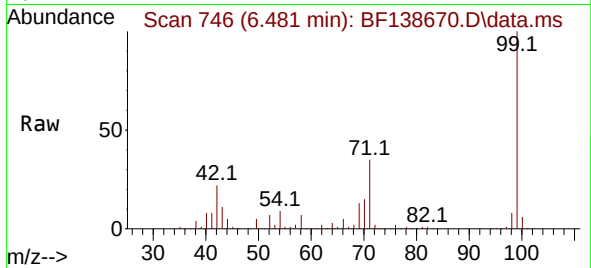




#7
Phenol-d6
Concen: 36.678 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.023 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

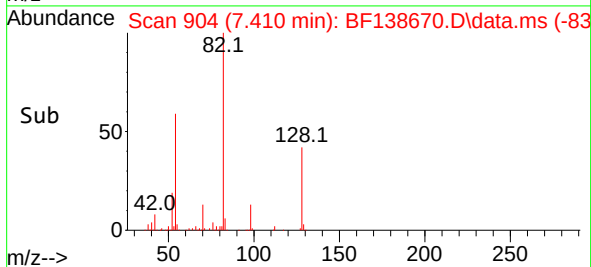
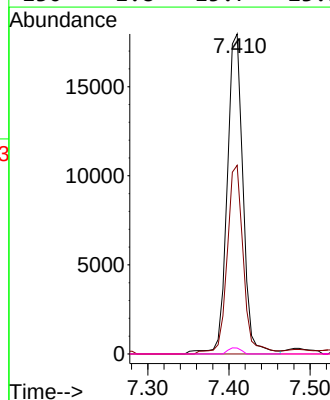
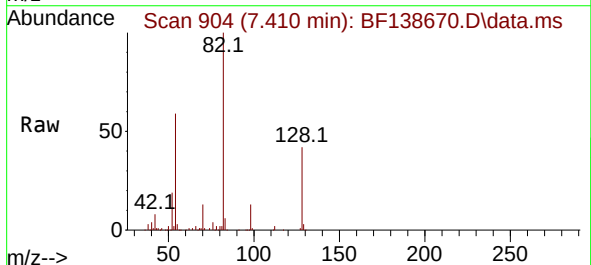
Instrument :
BNA_F
ClientSampleId :
EO-01-072524

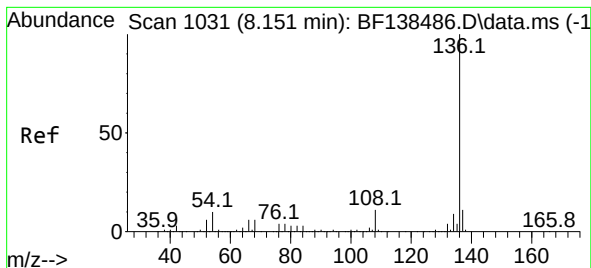
Tgt Ion: 99 Resp: 288109
Ion Ratio Lower Upper
99 100
42 21.9 19.7 29.5
71 35.1 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.041 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.130 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion: 70 Resp: 24466
Ion Ratio Lower Upper
70 100
42 58.9 62.4 93.6#
101 0.0 7.2 10.8#
130 1.8 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

Tgt Ion:136 Resp: 330079

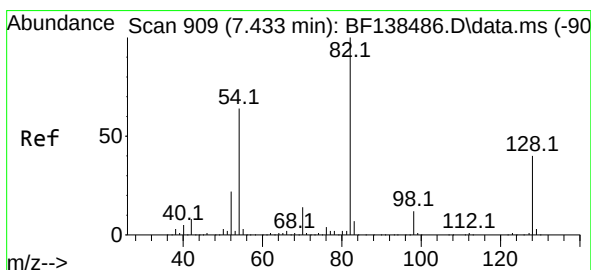
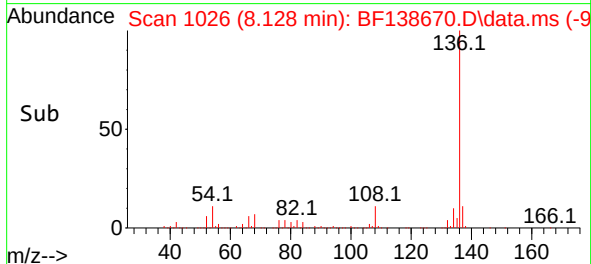
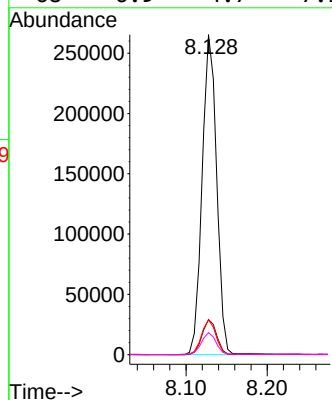
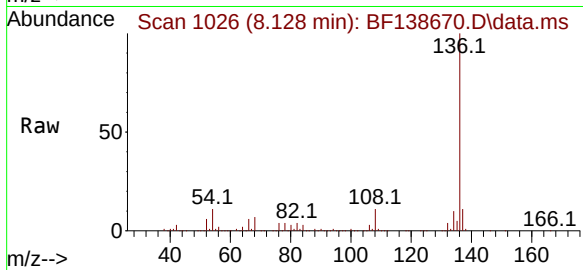
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.9 8.1 12.1

68 6.9 4.7 7.1



#23

Nitrobenzene-d5

Concen: 26.322 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.023 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

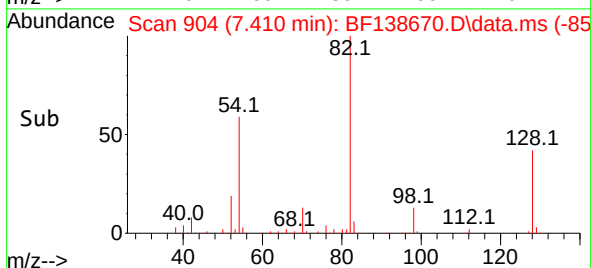
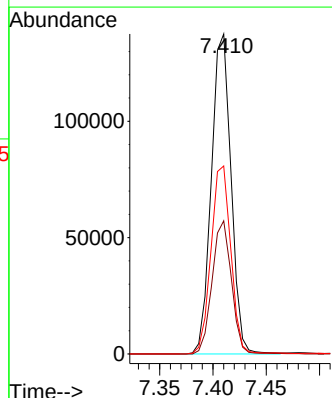
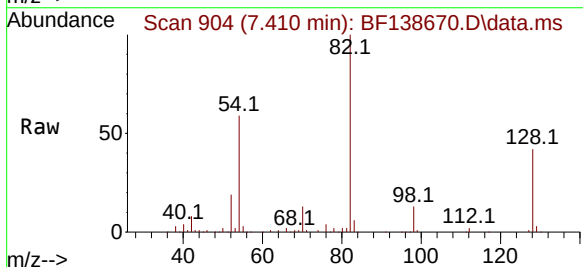
Tgt Ion: 82 Resp: 176957

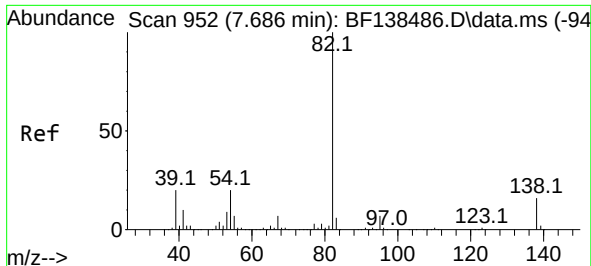
Ion Ratio Lower Upper

82 100

128 41.6 32.3 48.5

54 58.8 51.4 77.0

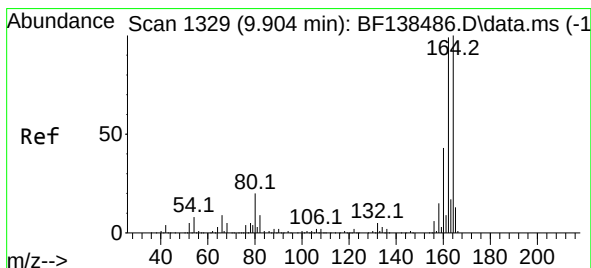
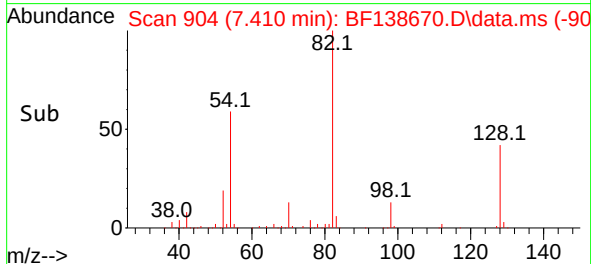
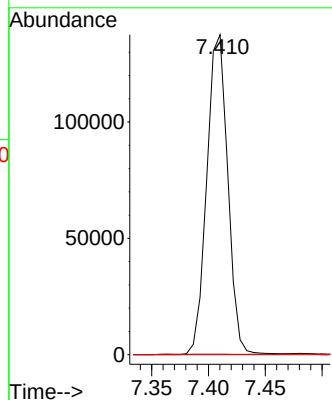
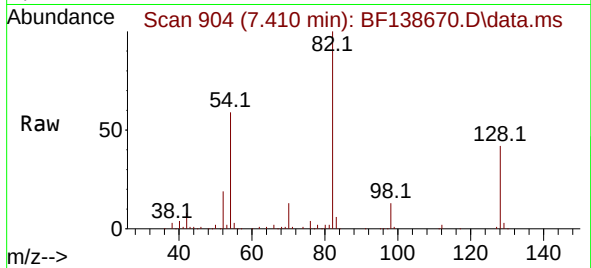




#25
Isophorone
Concen: 15.327 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

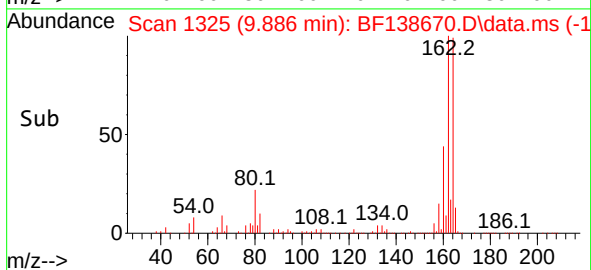
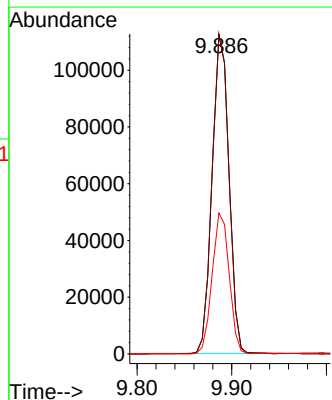
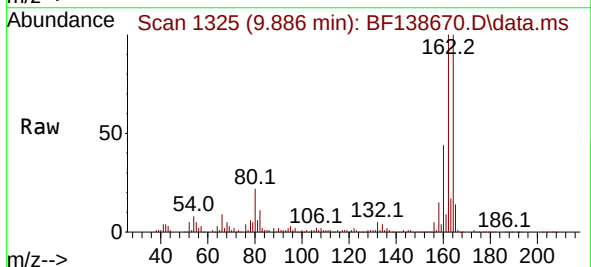
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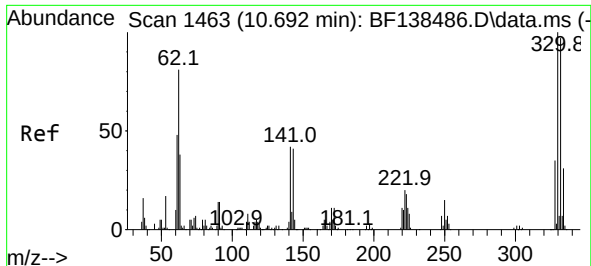
Tgt Ion: 82 Resp: 176954
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:164 Resp: 138905
Ion Ratio Lower Upper
164 100
162 100.5 79.0 118.6
160 44.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 28.646 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF138670.D

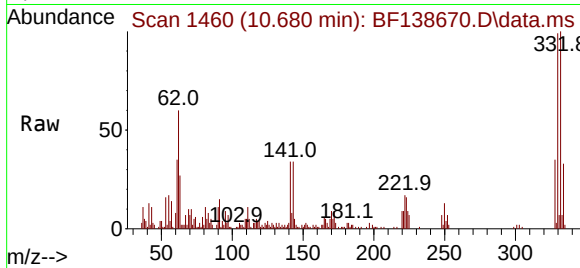
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Instrument :

BNA_F

ClientSampleId :

EO-01-072524



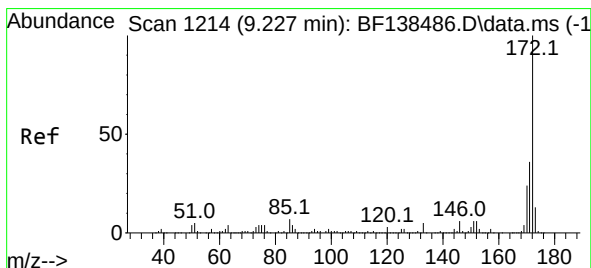
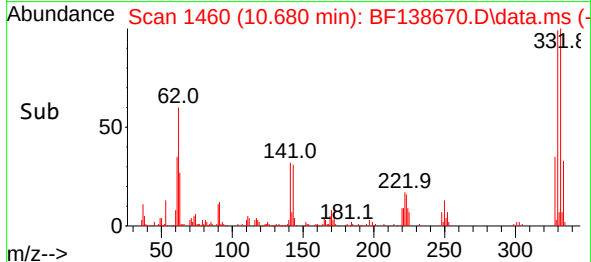
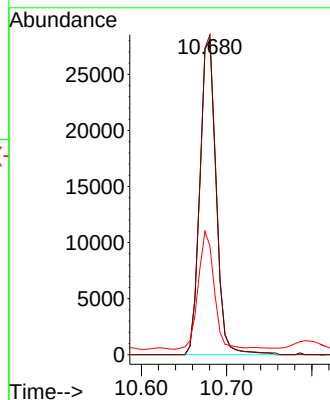
Tgt Ion:330 Resp: 37189

Ion Ratio Lower Upper

330 100

332 101.1 76.8 115.2

141 36.8 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 30.037 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.023 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

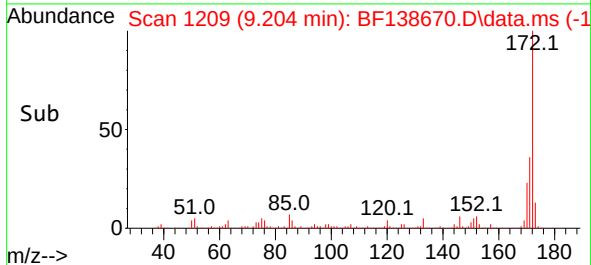
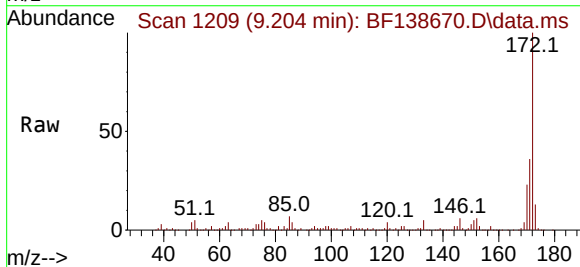
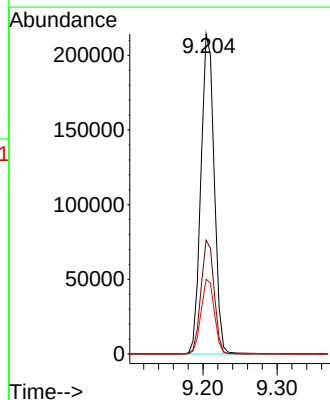
Tgt Ion:172 Resp: 266955

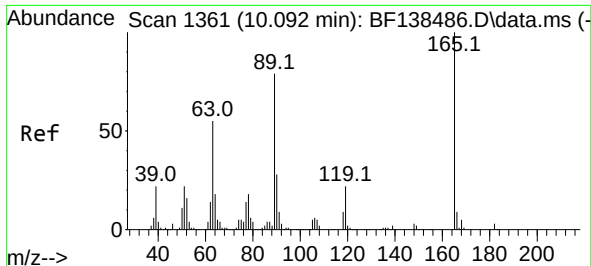
Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

170 23.4 18.9 28.3

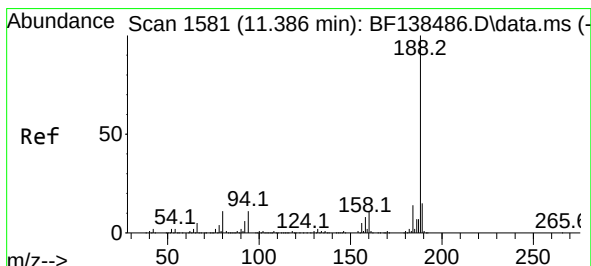
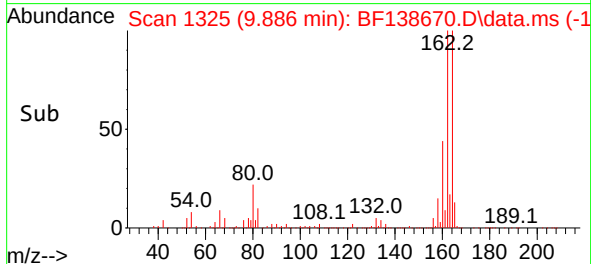
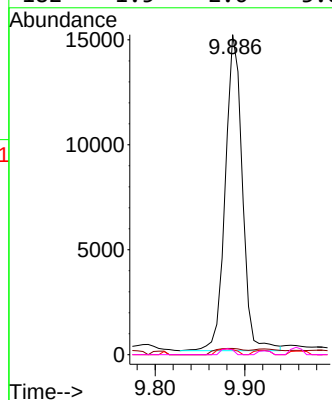
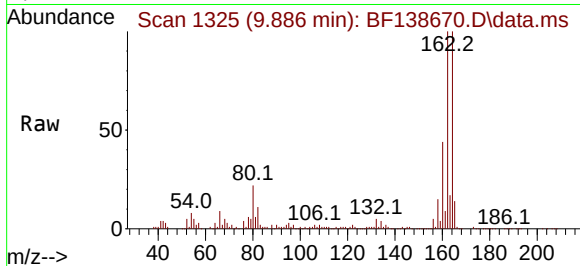




#57
2,4-Dinitrotoluene
Concen: 7.440 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

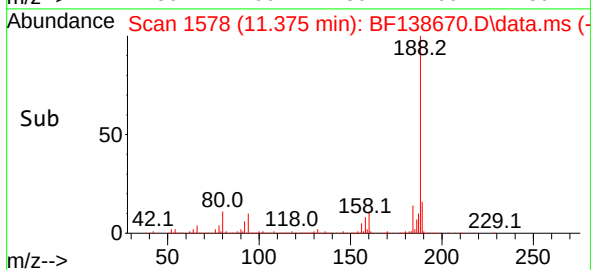
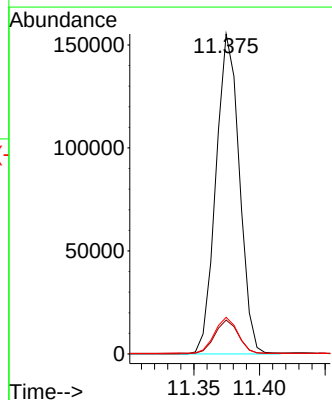
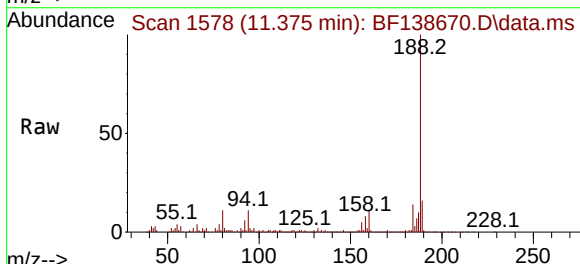
Instrument :
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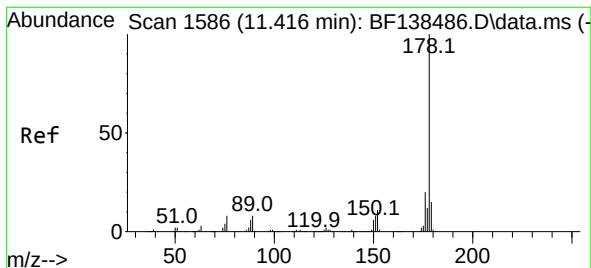
Tgt Ion:	165	Resp:	19907
Ion Ratio	Lower	Upper	
165	100		
63	2.0	44.6	66.8#
89	1.6	63.4	95.2#
182	1.5	2.6	3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:	188	Resp:	193361
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.7	13.1
80	11.4	9.0	13.4





#71

Phenanthrene

Concen: 2.575 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

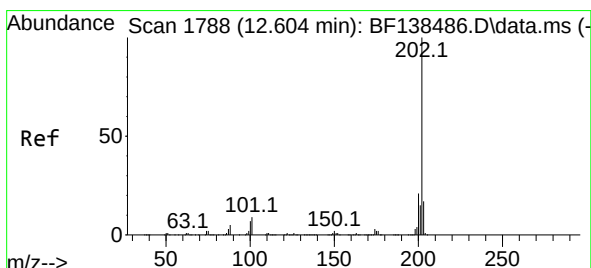
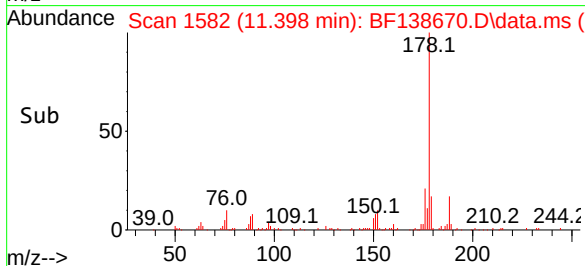
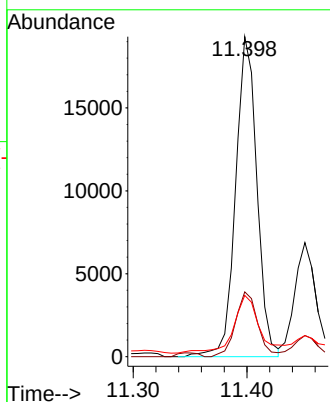
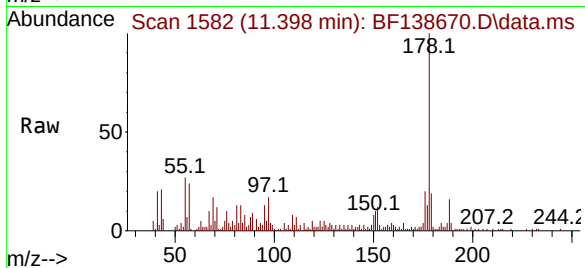
Tgt Ion:178 Resp: 25153

Ion Ratio Lower Upper

178 100

176 20.2 15.7 23.5

179 19.2 12.2 18.2#



#75

Fluoranthene

Concen: 7.984 ng

RT: 12.592 min Scan# 1785

Delta R.T. -0.012 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

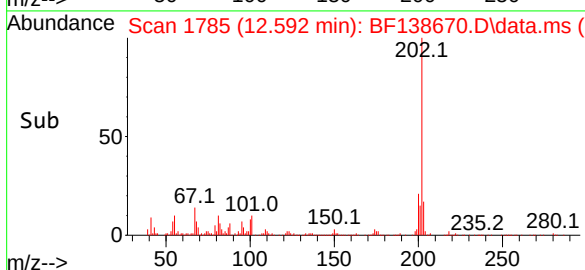
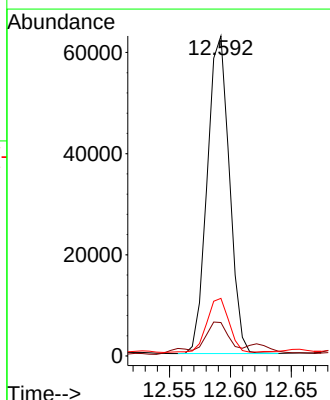
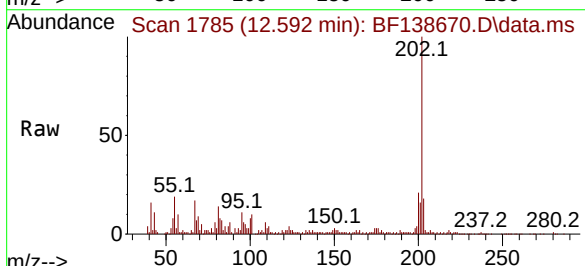
Tgt Ion:202 Resp: 79588

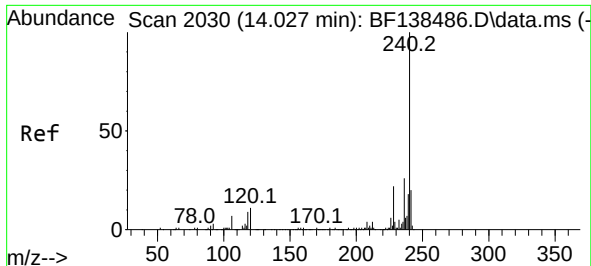
Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.2

203 18.0 0.0 37.3

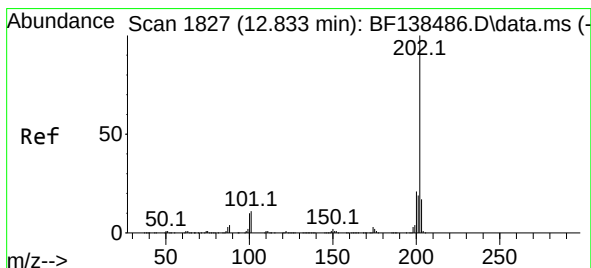
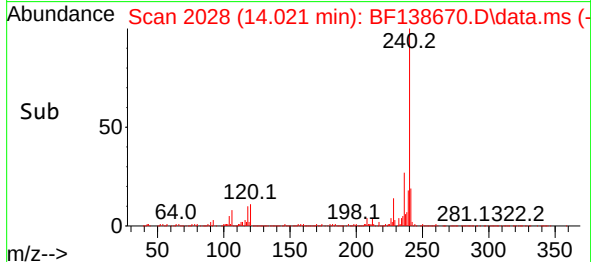
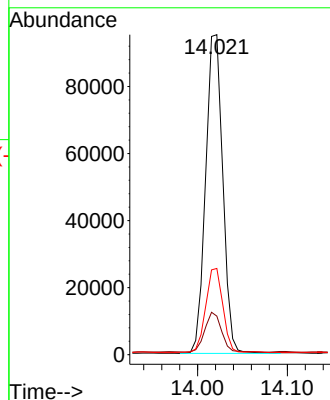
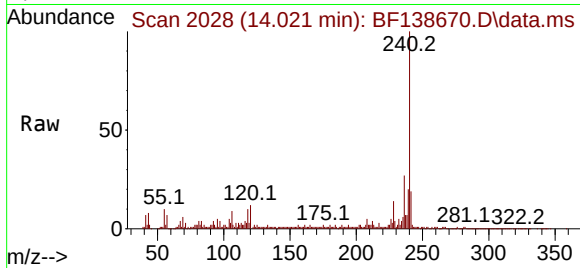




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

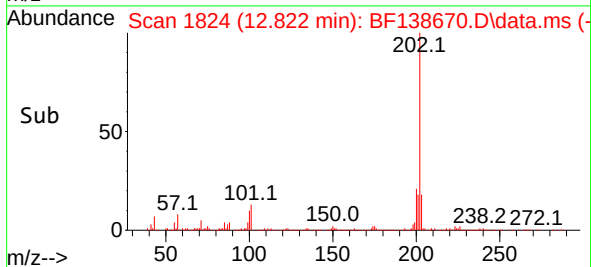
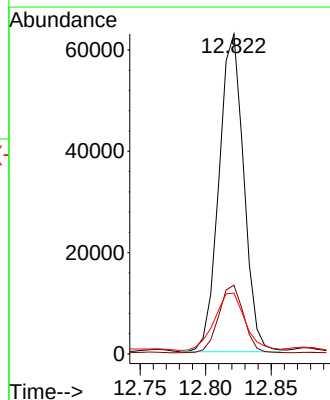
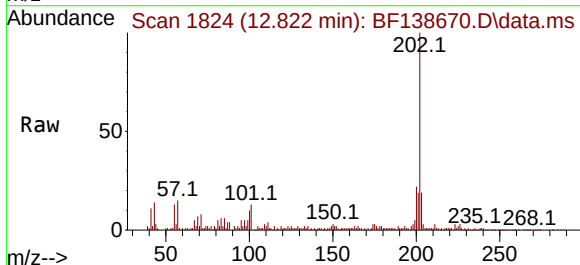
Instrument :
BNA_F
ClientSampleId :
EO-01-072524

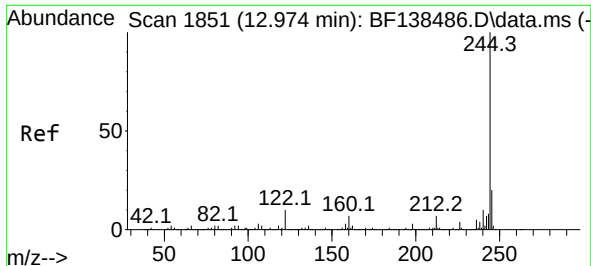
Tgt Ion:240 Resp: 126308
Ion Ratio Lower Upper
240 100
120 12.1 8.6 12.8
236 27.0 21.0 31.6



#78
Pyrene
Concen: 6.431 ng
RT: 12.822 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:202 Resp: 82453
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 19.0 13.7 20.5

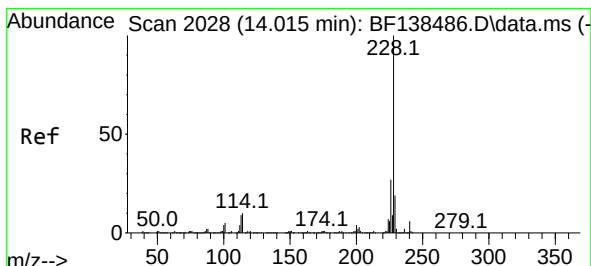
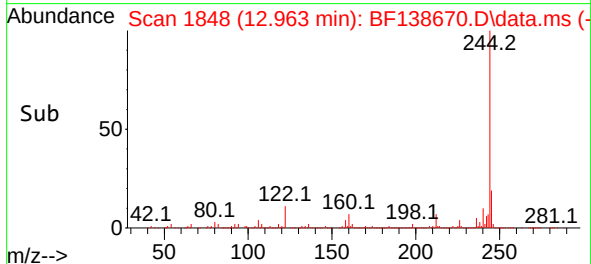
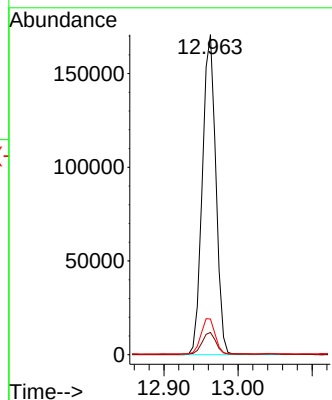
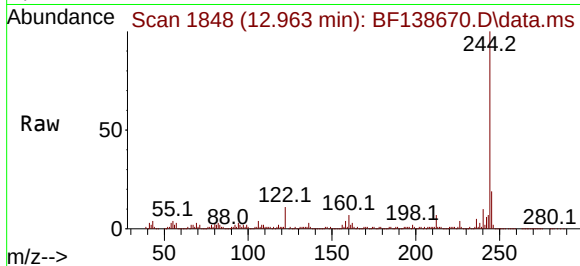




#79
 Terphenyl-d14
 Concen: 27.880 ng
 RT: 12.963 min Scan# 1848
 Delta R.T. -0.012 min
 Lab File: BF138670.D
 Acq: 29 Jul 2024 15:04

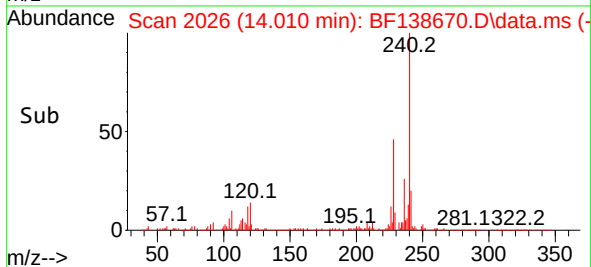
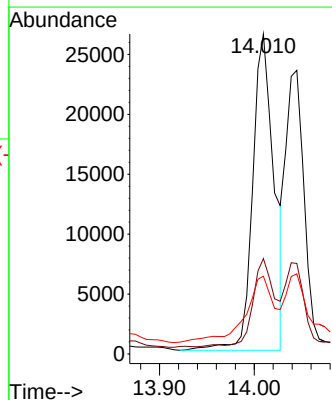
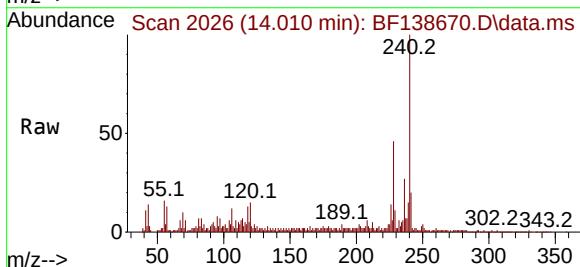
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-072524

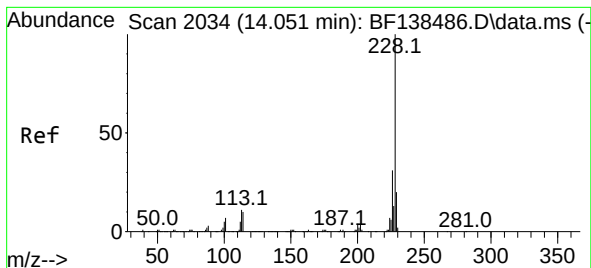
Tgt Ion:244 Resp: 216157
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 11.2 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 4.884 ng
 RT: 14.010 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF138670.D
 Acq: 29 Jul 2024 15:04

Tgt Ion:228 Resp: 41396
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.9 32.9
 229 24.3 15.5 23.3#





#83

Chrysene

Concen: 3.882 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

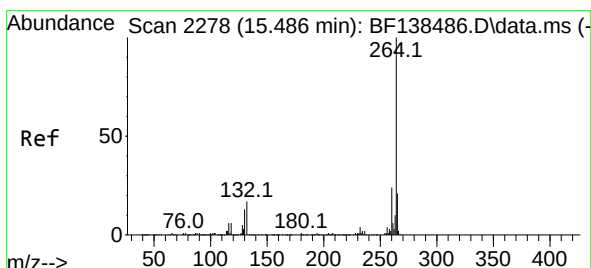
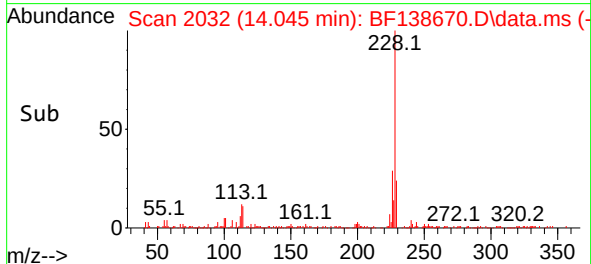
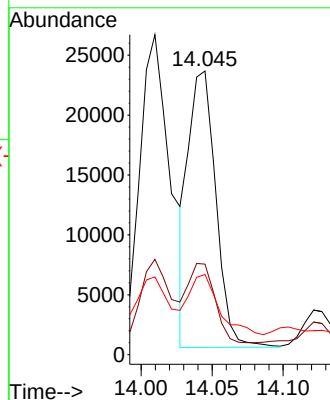
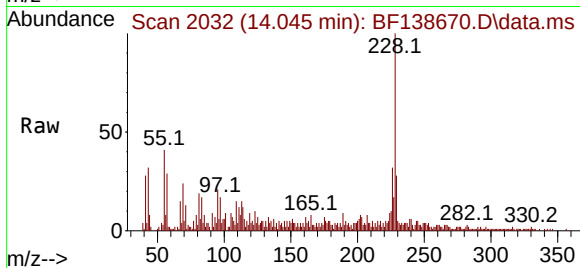
Tgt Ion:228 Resp: 31123

Ion Ratio Lower Upper

228 100

226 31.9 24.4 36.6

229 28.3 16.0 24.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

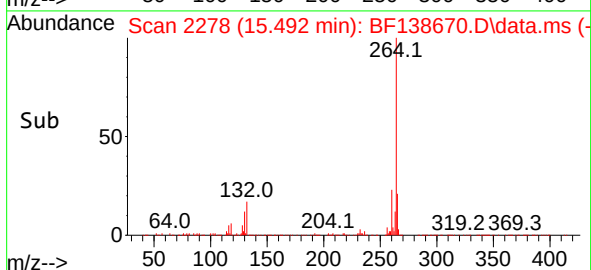
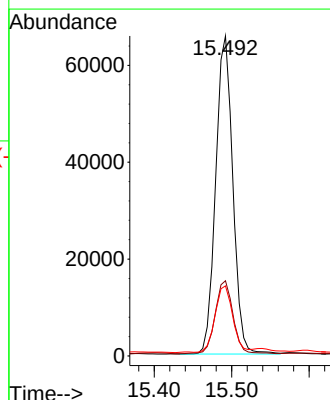
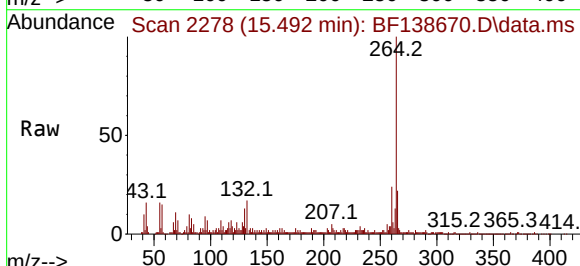
Tgt Ion:264 Resp: 100939

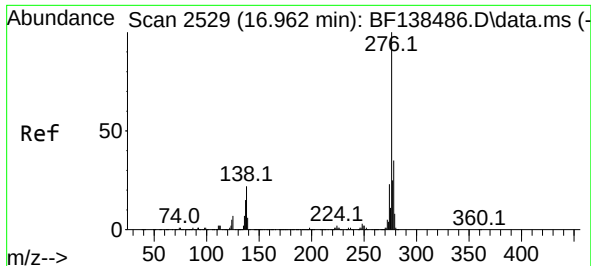
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.9 17.0 25.4

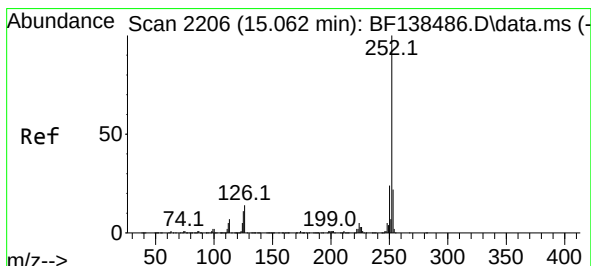
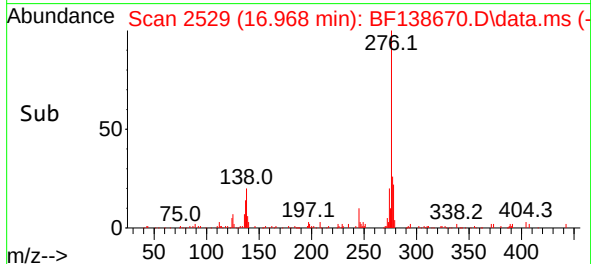
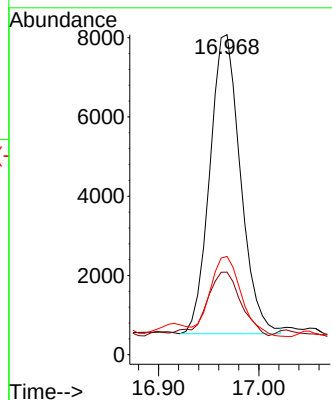
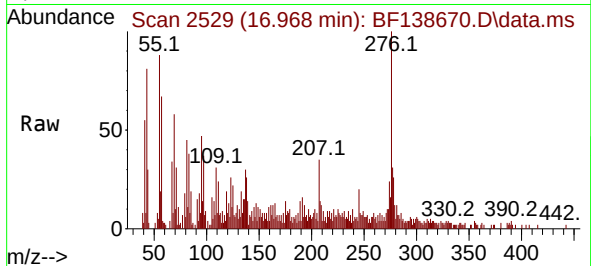




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.373 ng
RT: 16.968 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

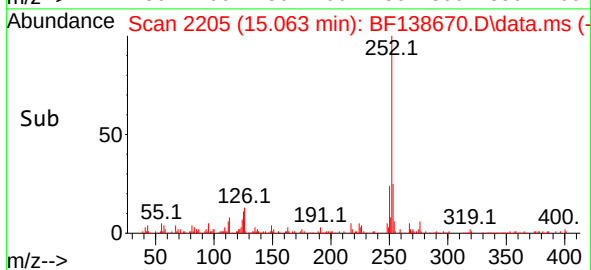
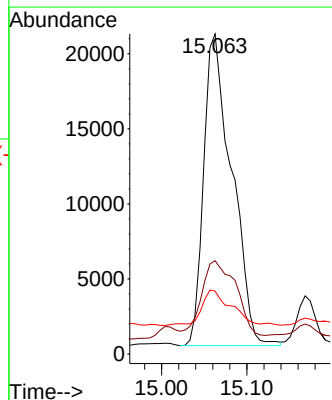
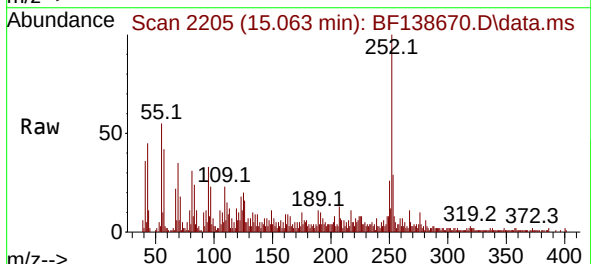
Instrument :
BNA_F
ClientSampleId :
EO-01-072524

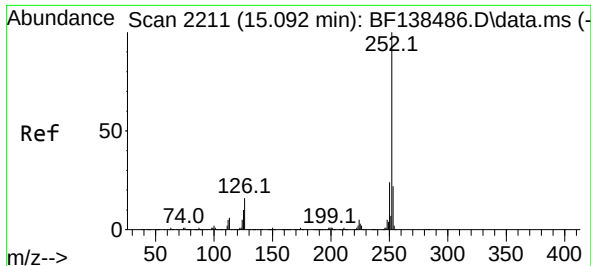
Tgt Ion:	276	Resp:	16086
Ion Ratio	Lower	Upper	
276	100		
138	25.2	19.6	29.4
277	27.4	20.5	30.7



#88
Benzo(b)fluoranthene
Concen: 8.381 ng
RT: 15.063 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:	252	Resp:	47642
Ion Ratio	Lower	Upper	
252	100		
253	29.2	17.3	25.9#
125	19.6	8.6	13.0#





#89

Benzo(k)fluoranthene

Concen: 8.593 ng

RT: 15.063 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

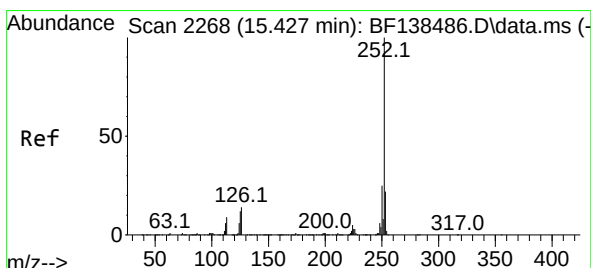
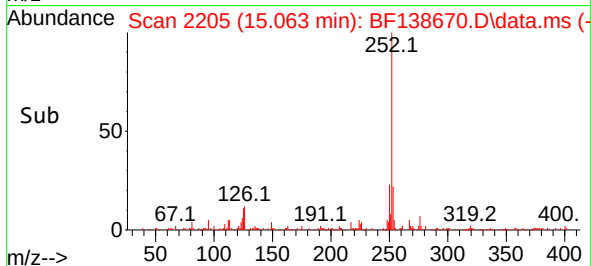
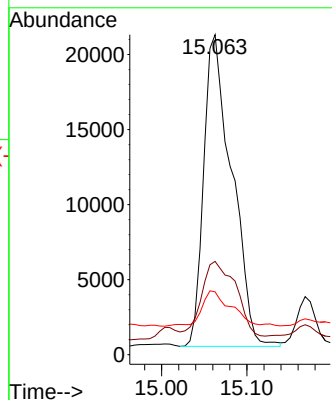
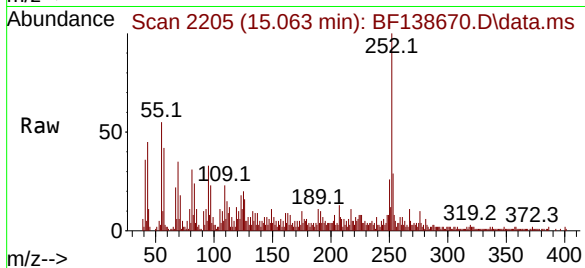
Tgt Ion:252 Resp: 47642

Ion Ratio Lower Upper

252 100

253 29.2 17.7 26.5#

125 19.6 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 4.878 ng

RT: 15.427 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

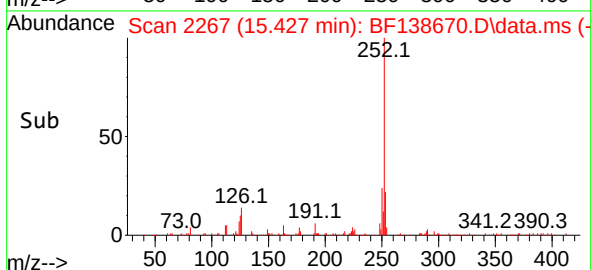
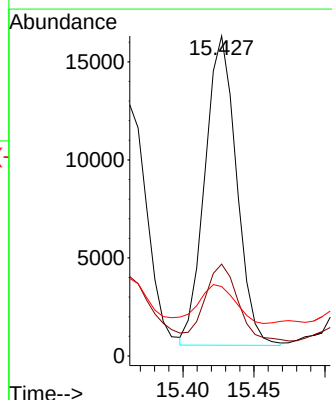
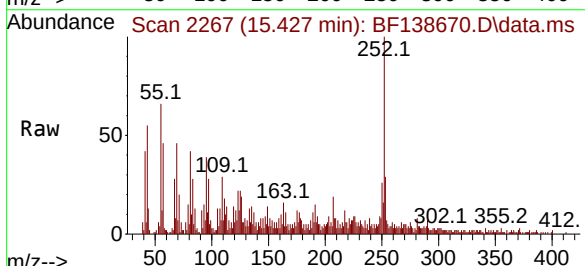
Tgt Ion:252 Resp: 24357

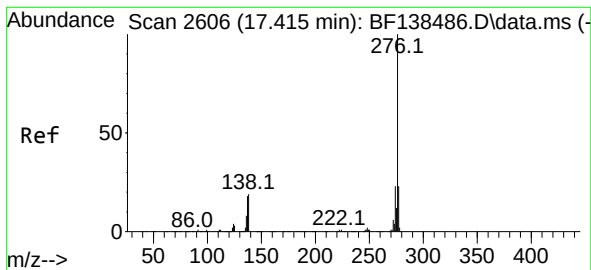
Ion Ratio Lower Upper

252 100

253 28.7 17.4 26.0#

125 21.7 9.4 14.2#





#92

Benzo(g,h,i)perylene

Concen: 3.145 ng

RT: 17.415 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF138670.D

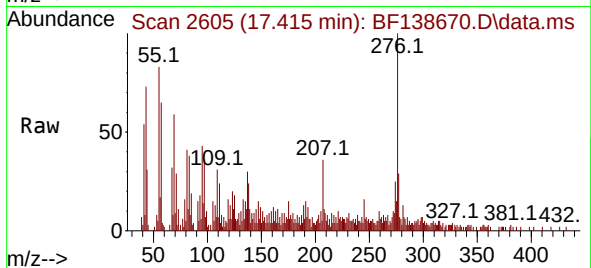
Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524



Tgt Ion:276 Resp: 18495

Ion Ratio Lower Upper

276 100

277 29.1 18.0 27.0#

138 23.8 15.5 23.3#

