

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140198.D
 Acq On : 31 Oct 2024 19:13
 Operator : RC/JU
 Sample : P4639-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-103024

Quant Time: Nov 01 01:15:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

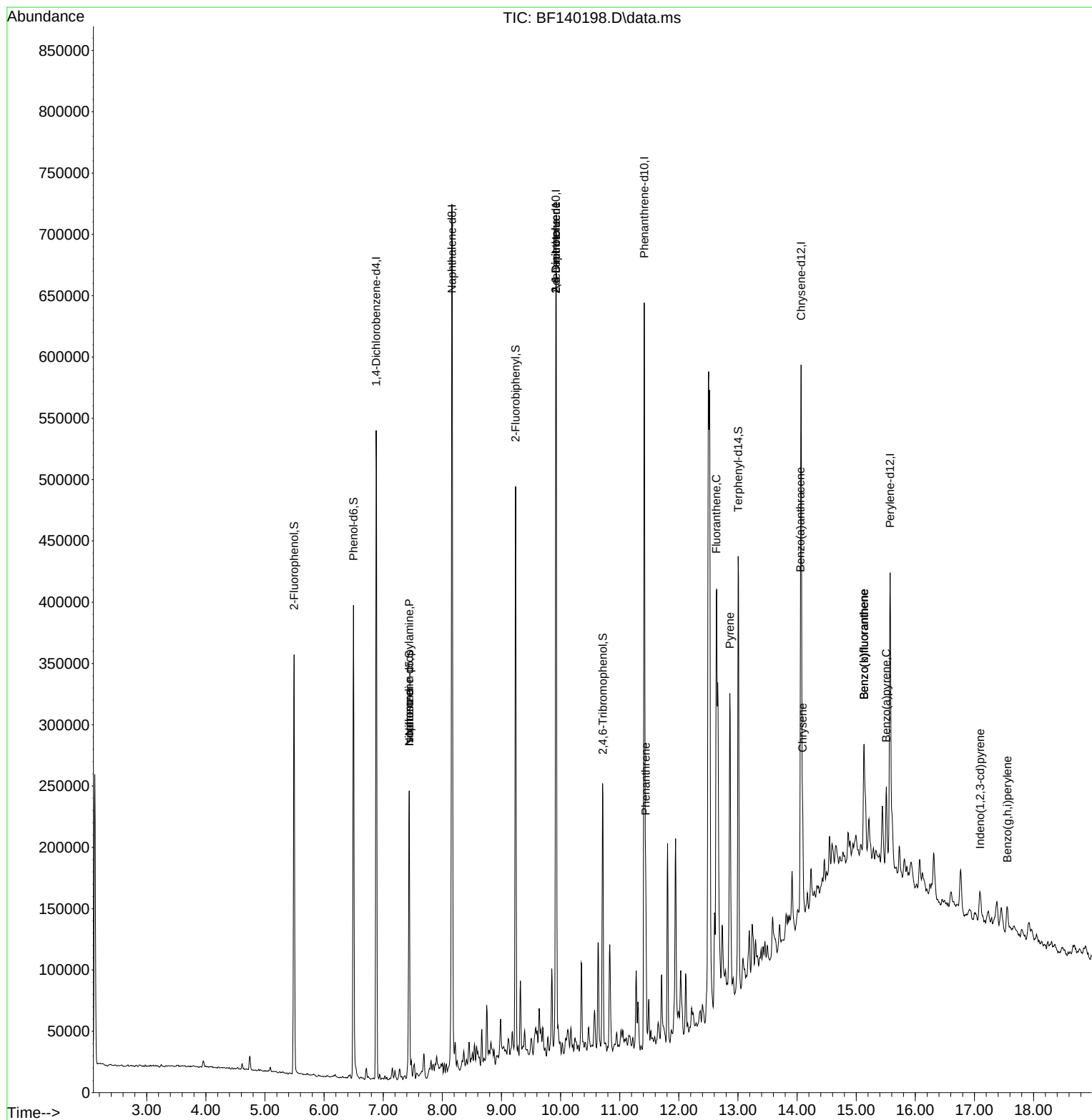
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	106403	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	407266	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	199904	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	307148	20.000	ng	0.00
76) Chrysene-d12	14.068	240	180193	20.000	ng	0.02
86) Perylene-d12	15.574	264	145832	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	120089	17.668	ng	0.00
7) Phenol-d6	6.498	99	164879	18.730	ng	-0.01
23) Nitrobenzene-d5	7.439	82	99007	13.474	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	33974	18.169	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	196528	16.248	ng	-0.01
79) Terphenyl-d14	13.004	244	174641	15.793	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	14321	2.682	ng	# 79
25) Isophorone	7.439	82	97902	7.020	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	25815	9.575	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	25886	7.808	ng	# 21
71) Phenanthrene	11.439	178	73567	5.071	ng	98
75) Fluoranthene	12.633	202	146728	10.004	ng	99
78) Pyrene	12.863	202	135666	8.601	ng	98
81) Benzo(a)anthracene	14.057	228	57523	4.904	ng	93
83) Chrysene	14.092	228	48473	4.507	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.098	276	21656	2.308	ng	93
88) Benzo(b)fluoranthene	15.133	252	71918	8.096	ng	# 90
89) Benzo(k)fluoranthene	15.133	252	71918	9.387	ng	# 90
90) Benzo(a)pyrene	15.509	252	38962	5.330	ng	# 92
92) Benzo(g,h,i)perylene	17.556	276	21716	2.778	ng	93

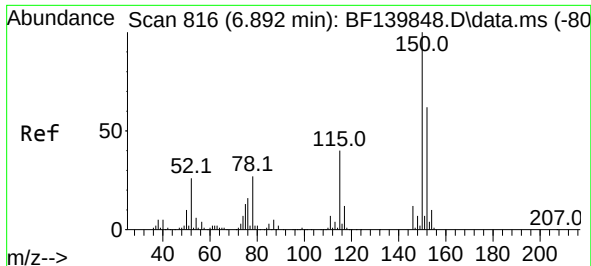
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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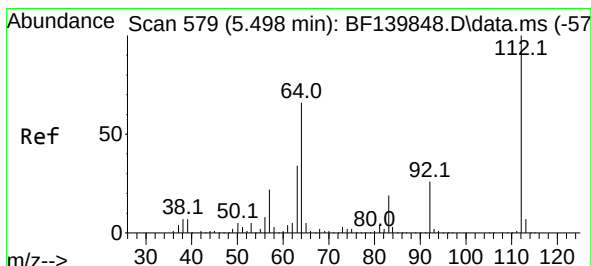
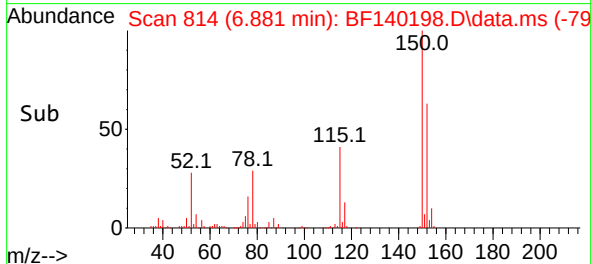
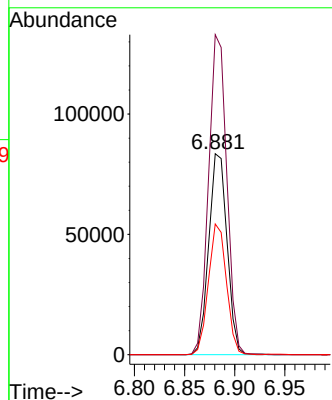
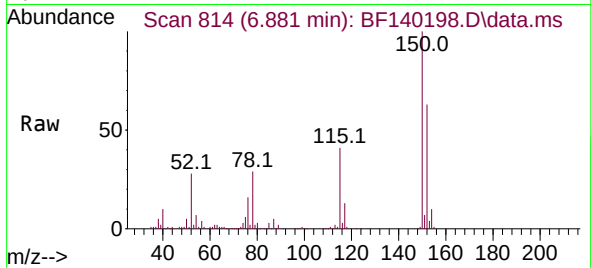




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

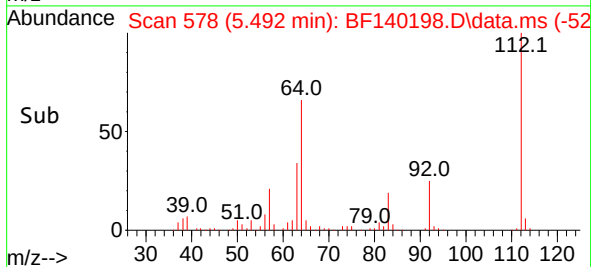
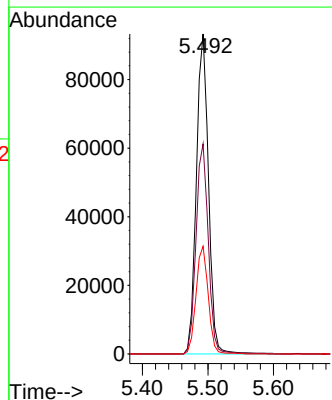
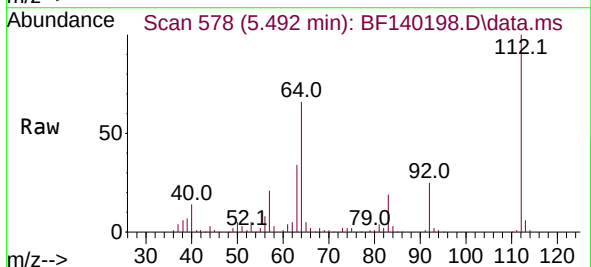
Instrument :
BNA_F
ClientSampleId :
EO-01-103024

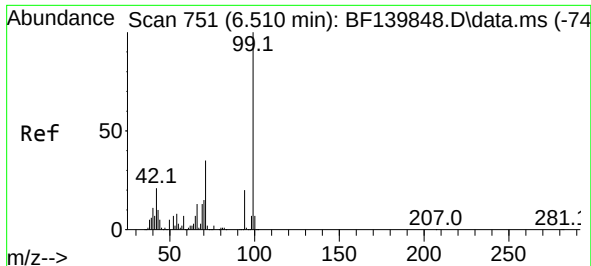
Tgt Ion:152 Resp: 106403
Ion Ratio Lower Upper
152 100
150 159.2 130.2 195.2
115 65.0 51.4 77.2



#5
2-Fluorophenol
Concen: 17.668 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:112 Resp: 120089
Ion Ratio Lower Upper
112 100
64 65.7 53.0 79.6
63 33.6 27.0 40.4

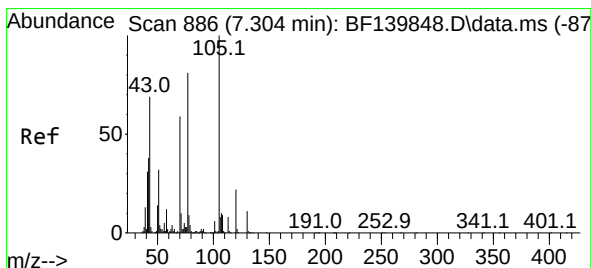
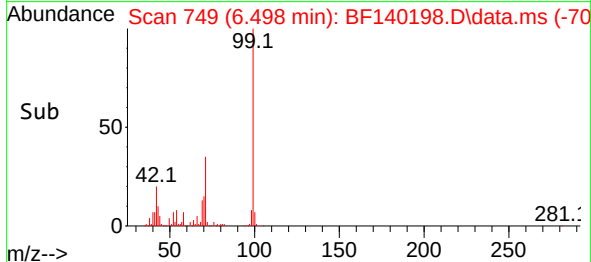
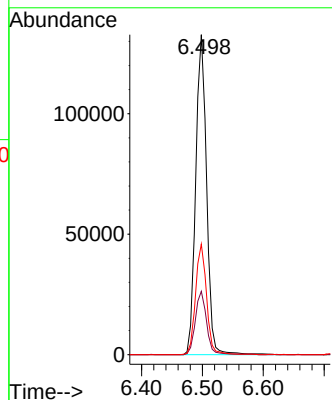
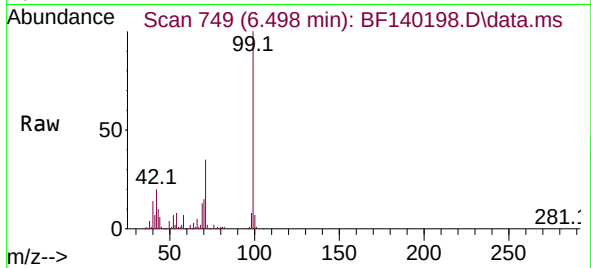




#7
Phenol-d6
Concen: 18.730 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

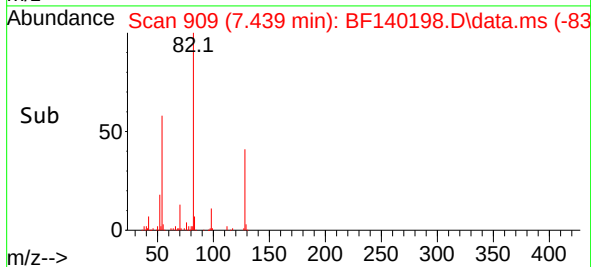
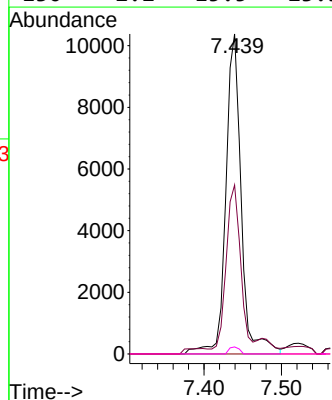
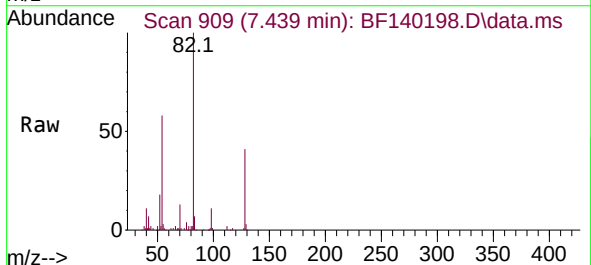
Instrument :
BNA_F
ClientSampleId :
EO-01-103024

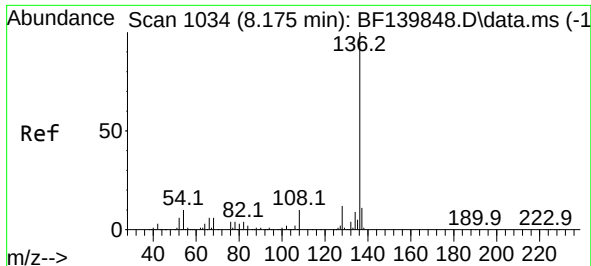
Tgt Ion: 99 Resp: 164879
Ion Ratio Lower Upper
99 100
42 19.8 16.7 25.1
71 34.5 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.682 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion: 70 Resp: 14321
Ion Ratio Lower Upper
70 100
42 52.8 51.5 77.3
101 0.0 7.5 11.3#
130 2.2 15.5 23.3#

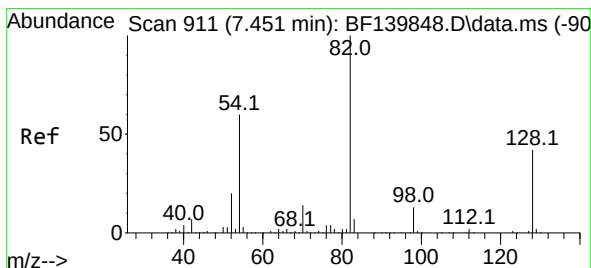
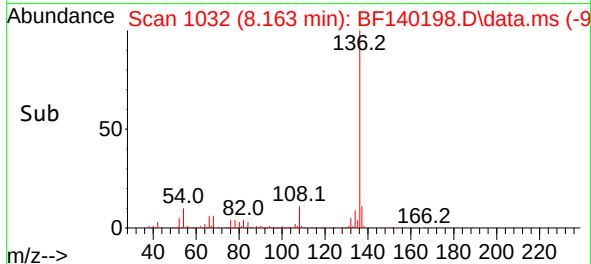
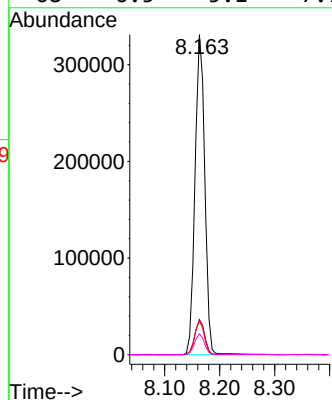
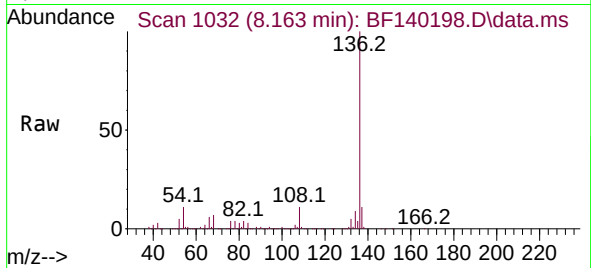




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

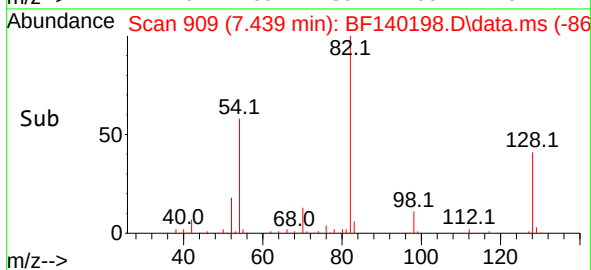
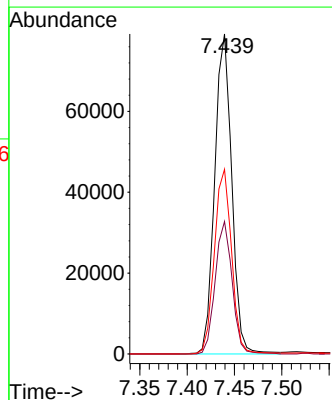
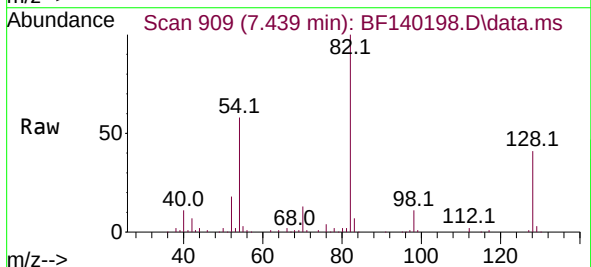
Instrument :
BNA_F
ClientSampleId :
EO-01-103024

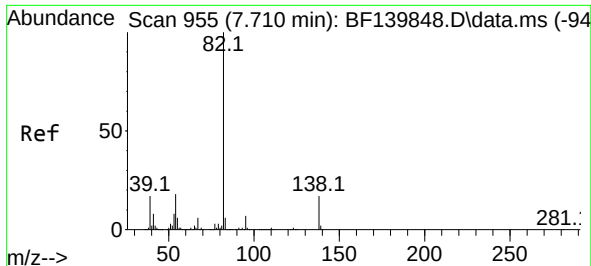
Tgt Ion:	136	Resp:	407266
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	12.8
54	10.6	8.4	12.6
68	6.5	5.1	7.7



#23
Nitrobenzene-d5
Concen: 13.474 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:	82	Resp:	99007
Ion Ratio	Lower	Upper	
82	100		
128	41.4	33.4	50.0
54	57.7	47.8	71.8

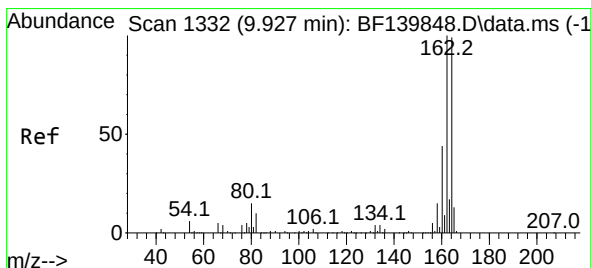
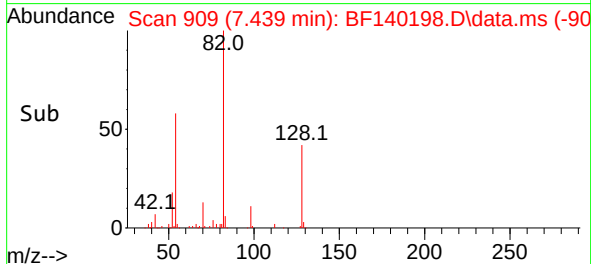
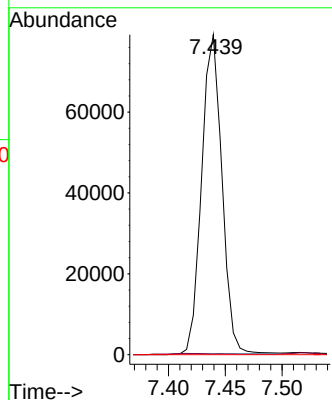
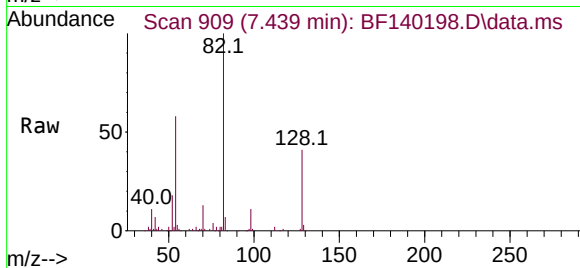




#25
Isophorone
Concen: 7.020 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

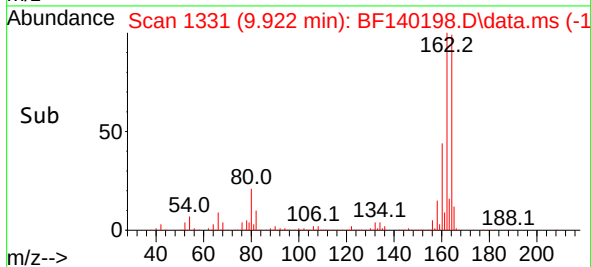
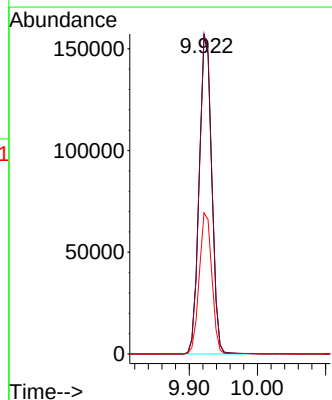
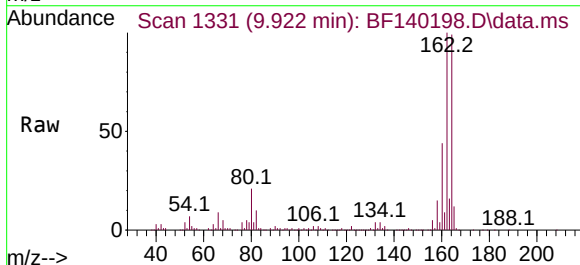
Instrument :
BNA_F
ClientSampleId :
EO-01-103024

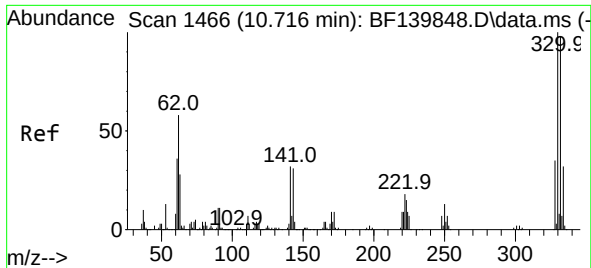
Tgt Ion: 82 Resp: 97902
Ion Ratio Lower Upper
82 100
95 0.3 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

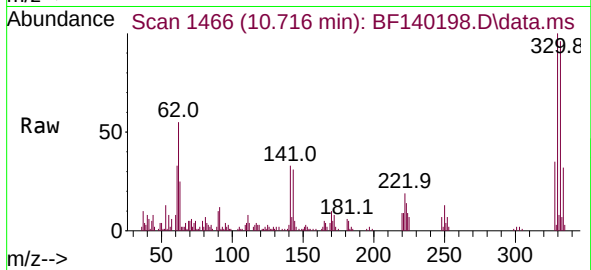
Tgt Ion: 164 Resp: 199904
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 44.5 35.4 53.0



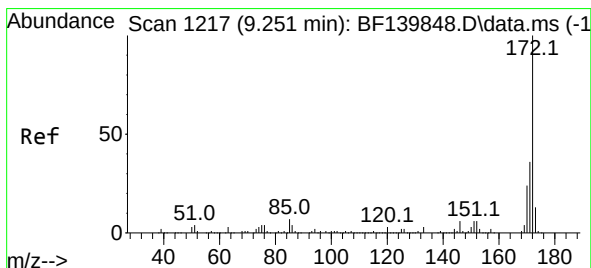
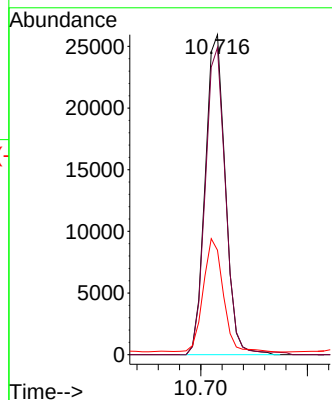
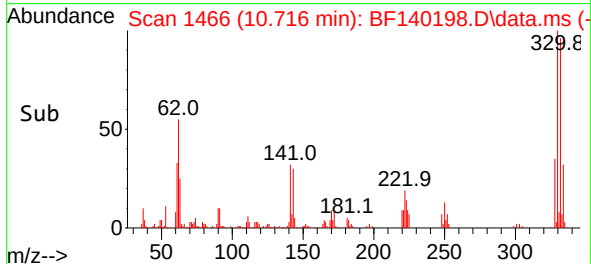


#42
2,4,6-Tribromophenol
Concen: 18.169 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Instrument :
BNA_F
ClientSampleId :
EO-01-103024

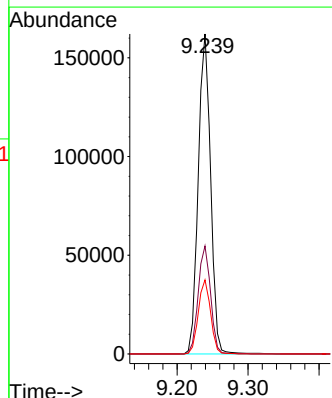
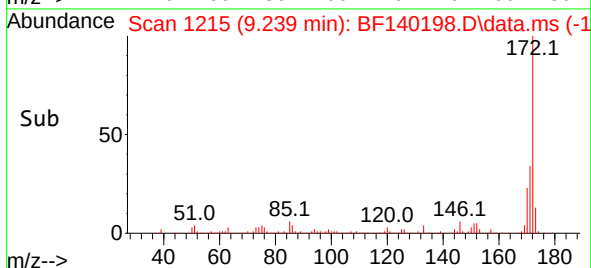
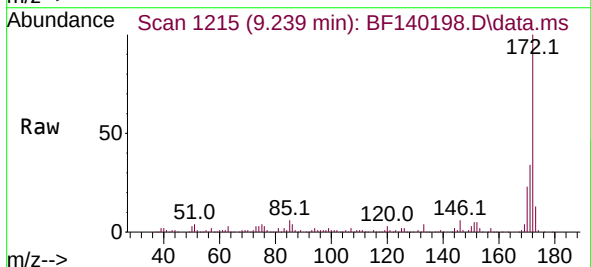


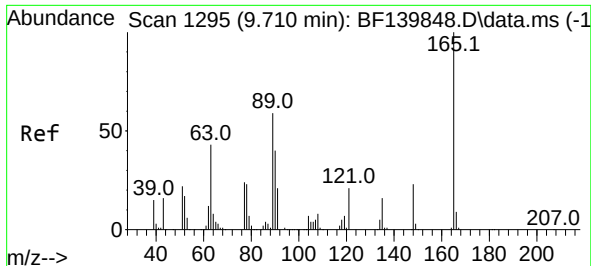
Tgt Ion: 330 Resp: 33974
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 35.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 16.248 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion: 172 Resp: 196528
Ion Ratio Lower Upper
172 100
171 33.8 28.6 43.0
170 23.1 19.1 28.7

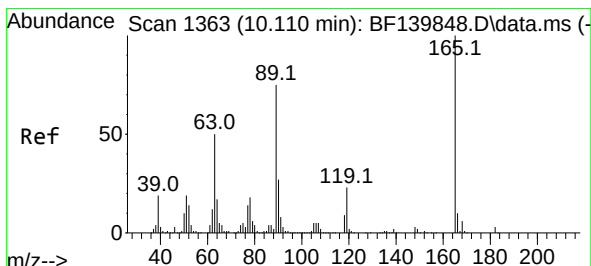
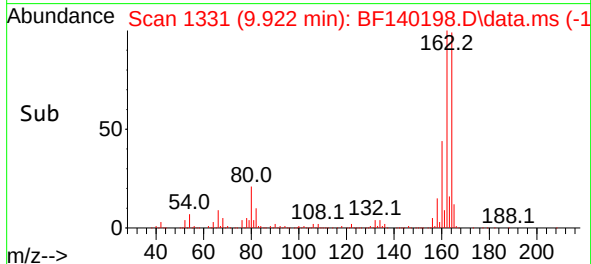
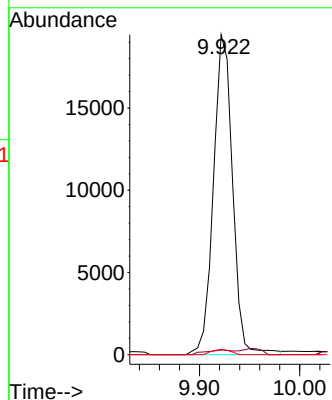
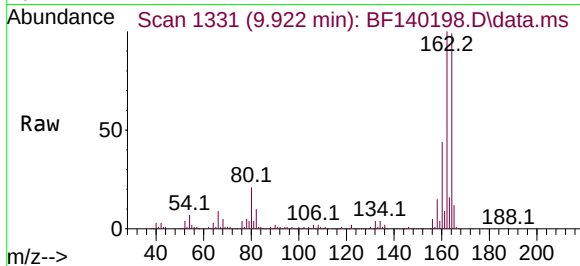




#51
2,6-Dinitrotoluene
Concen: 9.575 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

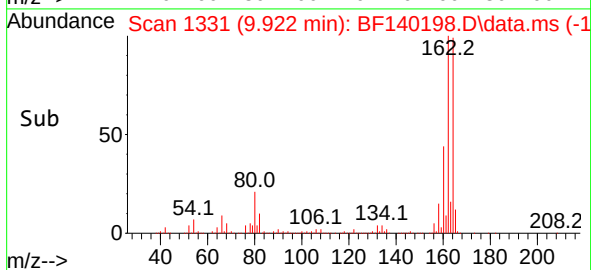
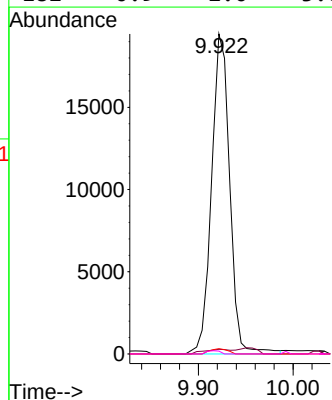
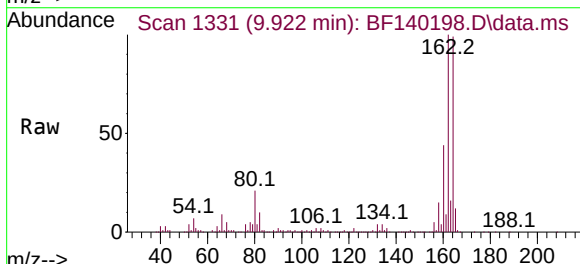
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EO-01-103024

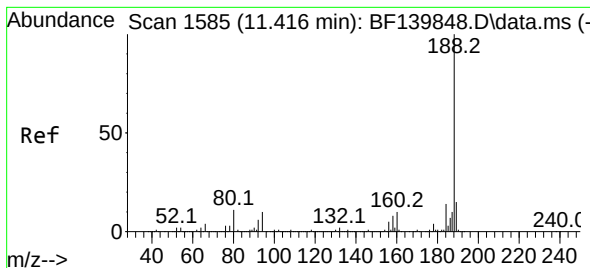
Tgt Ion:165 Resp: 25815
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.6 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.808 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:165 Resp: 25886
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.6 60.4 90.6#
182 0.9 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024

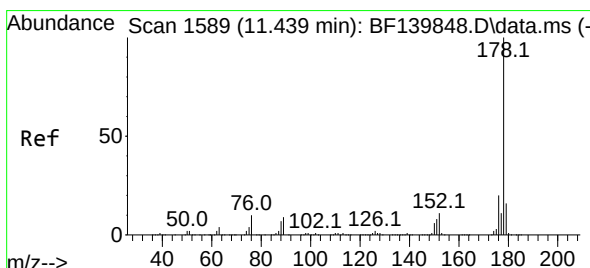
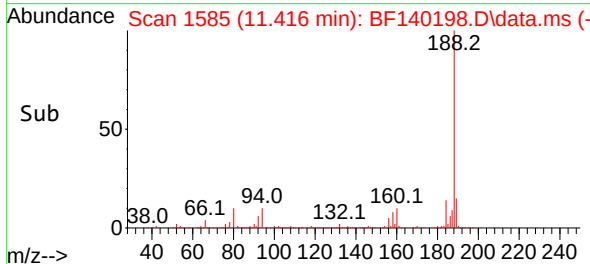
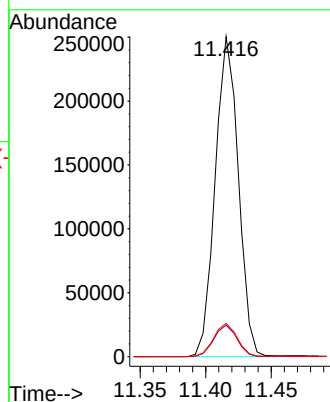
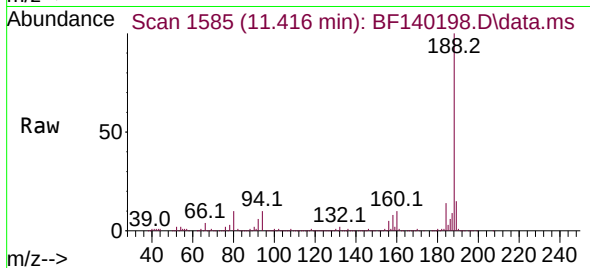
Tgt Ion:188 Resp: 307148

Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.4 9.0 13.4



#71

Phenanthrene

Concen: 5.071 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

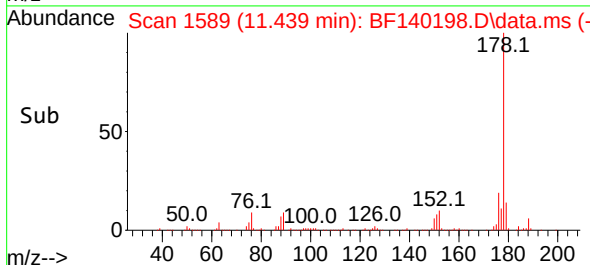
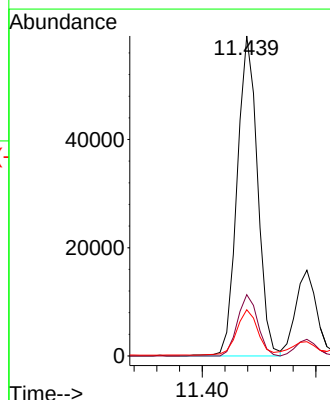
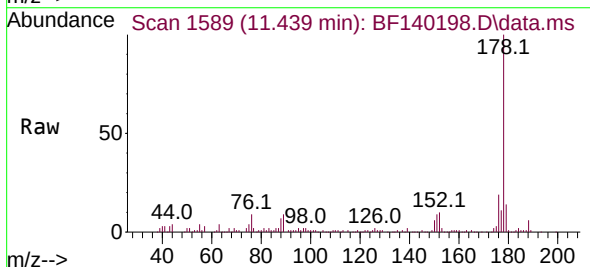
Tgt Ion:178 Resp: 73567

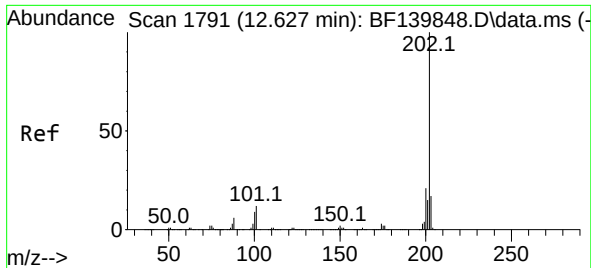
Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

179 14.5 12.6 18.8

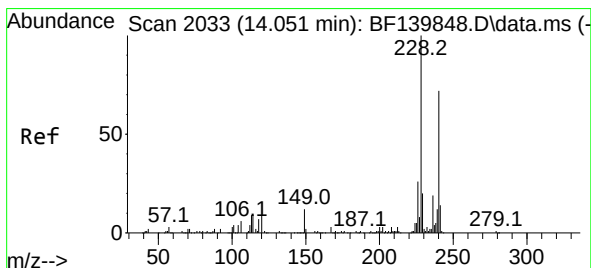
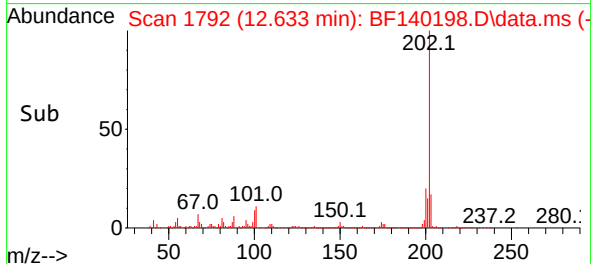
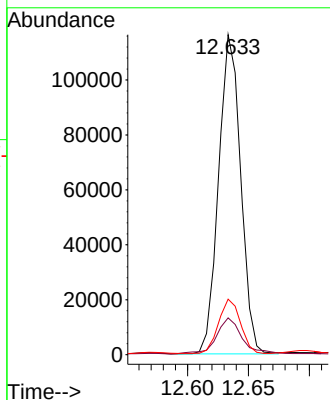
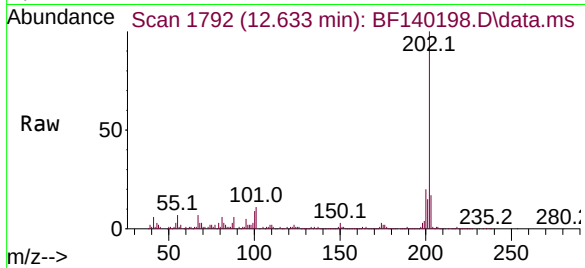




#75
Fluoranthene
Concen: 10.004 ng
RT: 12.633 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

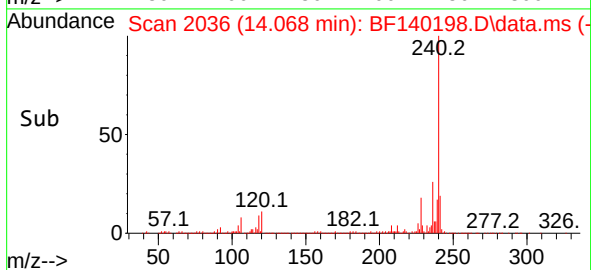
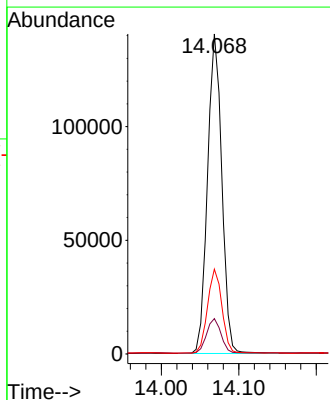
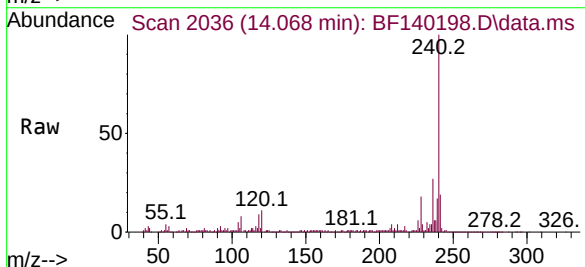
Instrument :
BNA_F
ClientSampleId :
EO-01-103024

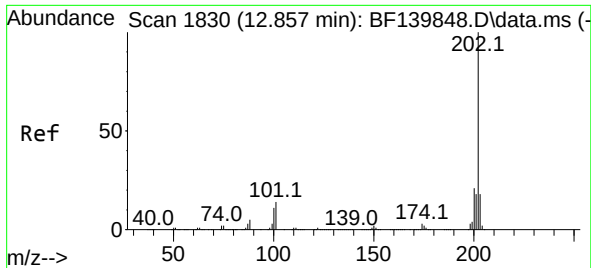
Tgt Ion:202 Resp: 146728
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:240 Resp: 180193
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.5 20.9 31.3

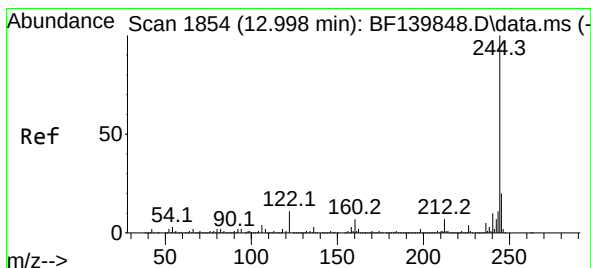
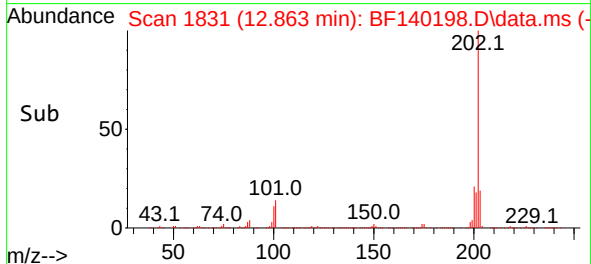
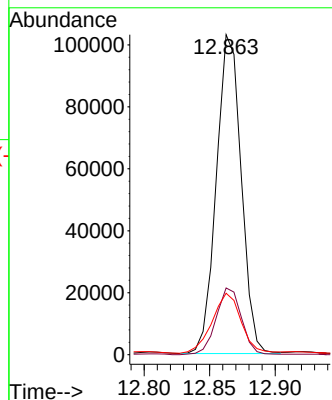
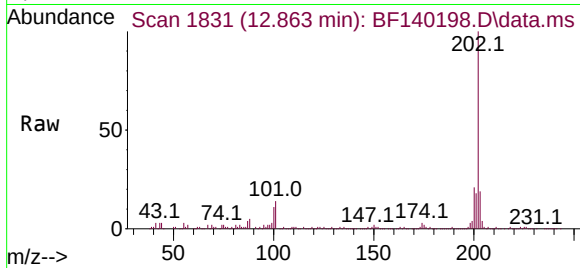




#78
Pyrene
Concen: 8.601 ng
RT: 12.863 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

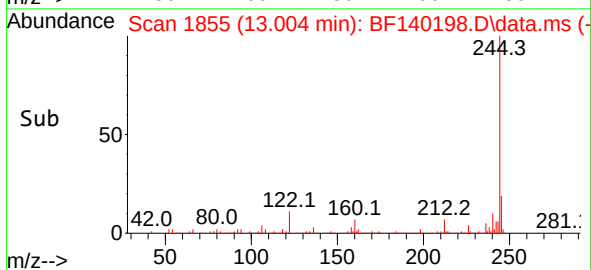
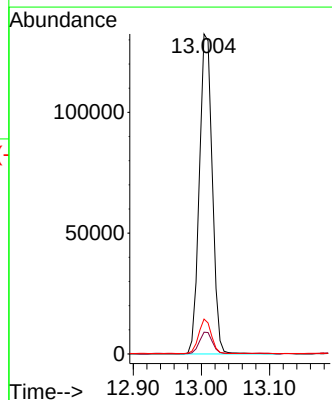
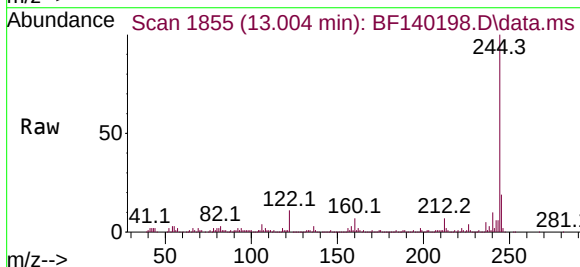
Instrument :
BNA_F
ClientSampleId :
EO-01-103024

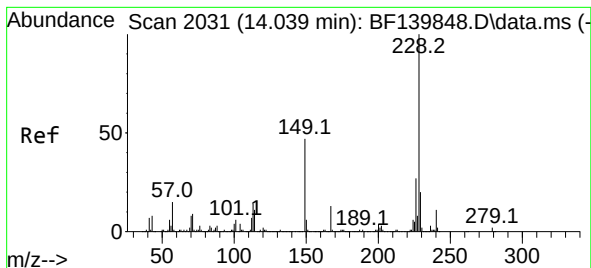
Tgt Ion:202 Resp: 135666
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 19.2 14.2 21.4



#79
Terphenyl-d14
Concen: 15.793 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:244 Resp: 174641
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.9 8.6 13.0





#81

Benzo(a)anthracene

Concen: 4.904 ng

RT: 14.057 min Scan# 2031

Delta R.T. 0.018 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024

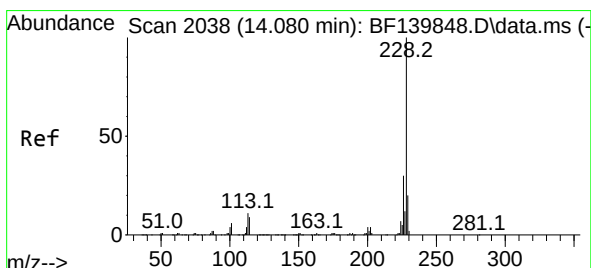
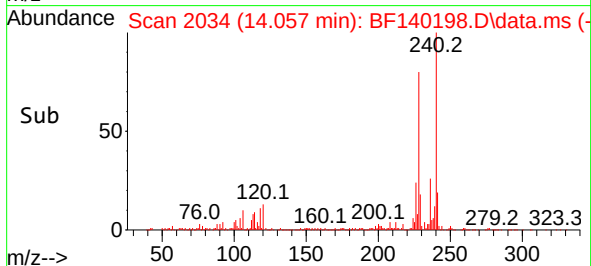
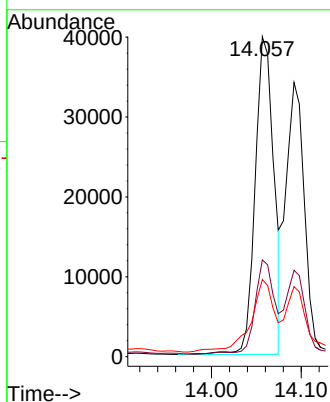
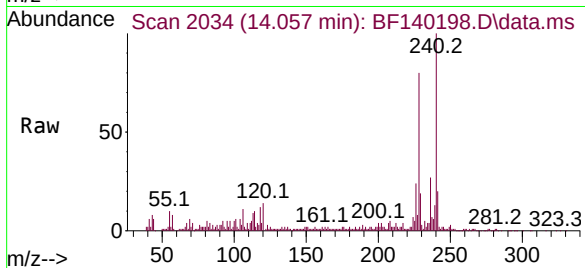
Tgt Ion:228 Resp: 57523

Ion Ratio Lower Upper

228 100

226 30.3 21.6 32.4

229 24.1 16.1 24.1



#83

Chrysene

Concen: 4.507 ng

RT: 14.092 min Scan# 2040

Delta R.T. 0.012 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

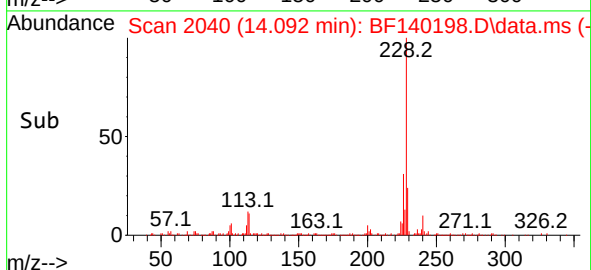
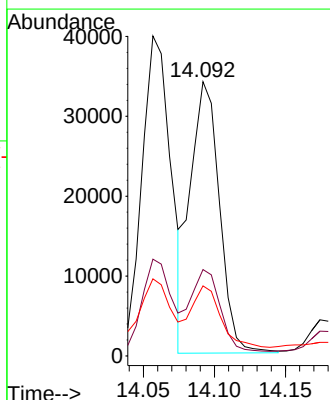
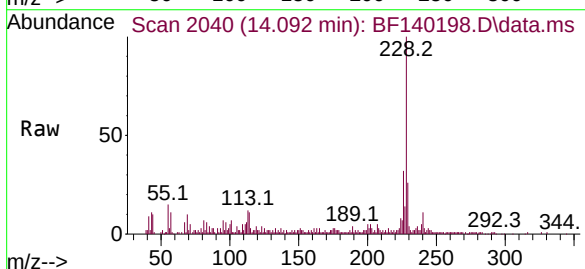
Tgt Ion:228 Resp: 48473

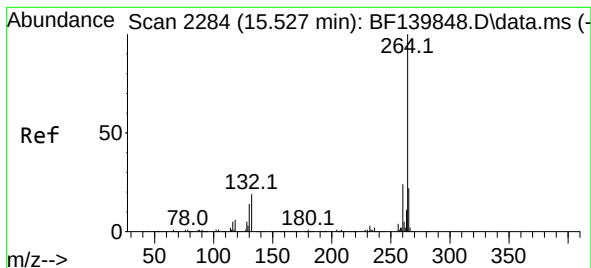
Ion Ratio Lower Upper

228 100

226 31.5 24.1 36.1

229 25.6 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024

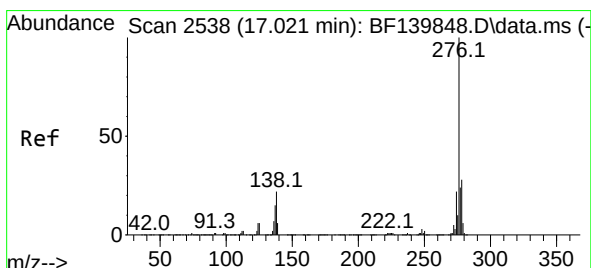
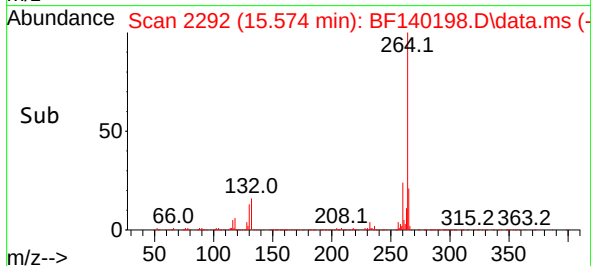
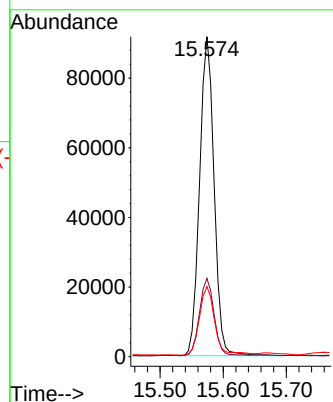
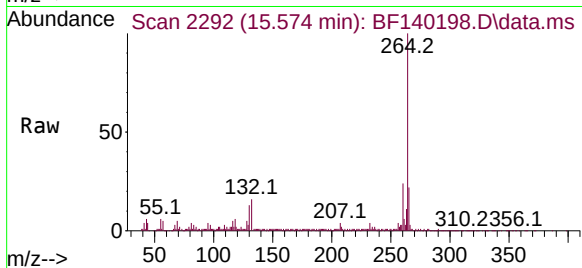
Tgt Ion:264 Resp: 145832

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.308 ng

RT: 17.098 min Scan# 2551

Delta R.T. 0.076 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

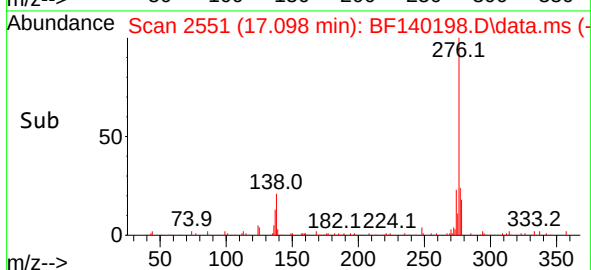
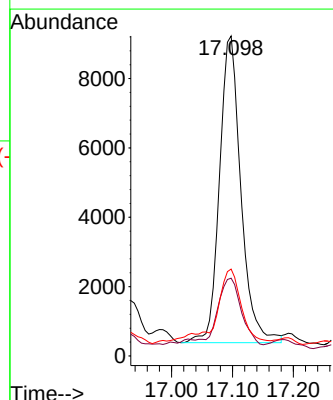
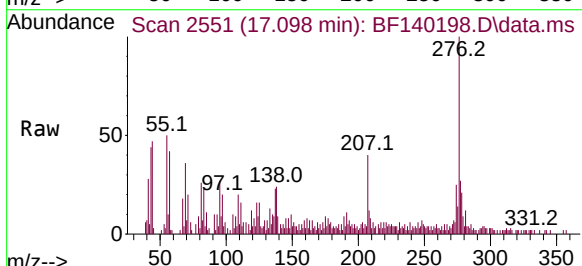
Tgt Ion:276 Resp: 21656

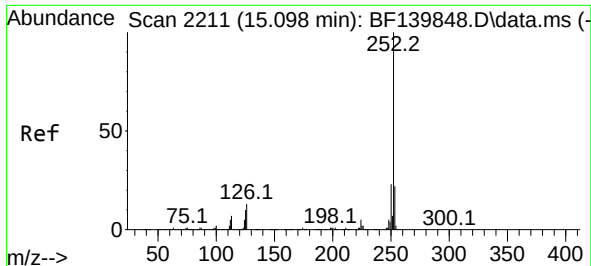
Ion Ratio Lower Upper

276 100

138 22.9 20.4 30.6

277 29.3 20.2 30.4

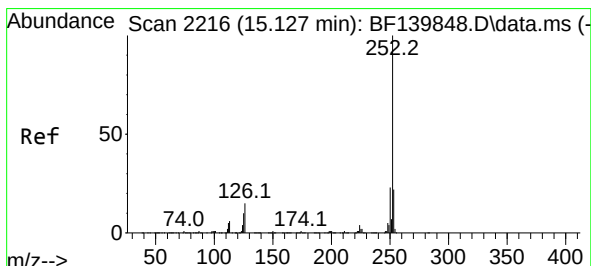
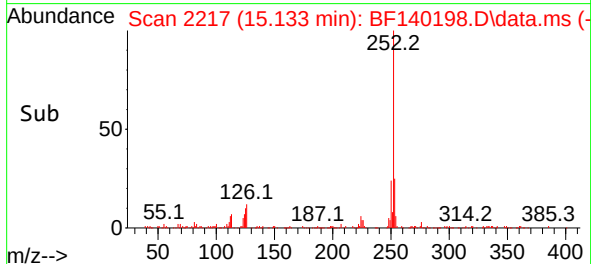
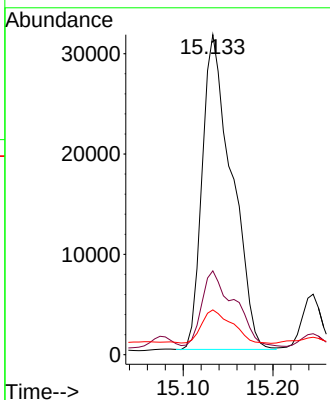
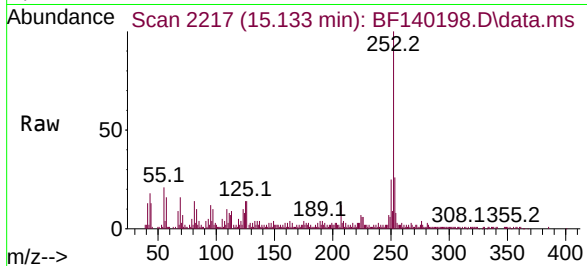




#88
Benzo(b)fluoranthene
Concen: 8.096 ng
RT: 15.133 min Scan# 2217
Delta R.T. 0.035 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

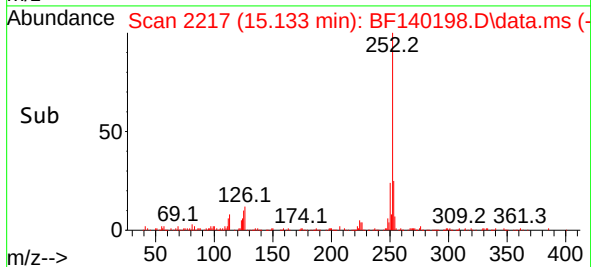
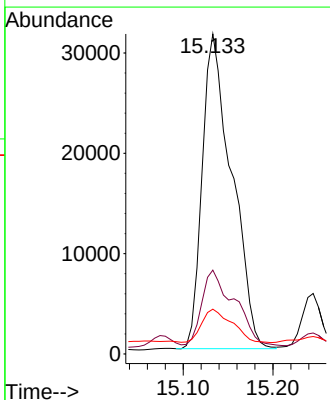
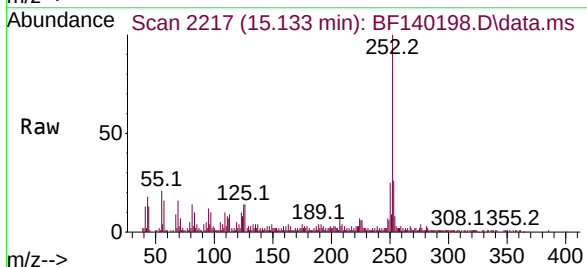
Instrument :
BNA_F
ClientSampleId :
EO-01-103024

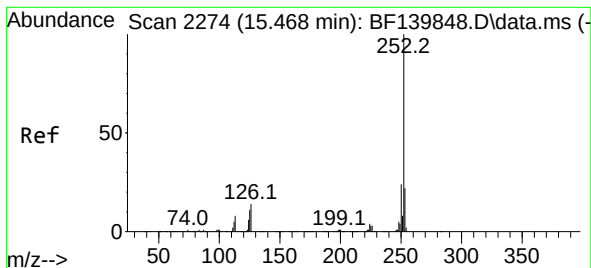
Tgt Ion:252 Resp: 71918
Ion Ratio Lower Upper
252 100
253 26.2 17.6 26.4
125 14.0 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 9.387 ng
RT: 15.133 min Scan# 2217
Delta R.T. 0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:252 Resp: 71918
Ion Ratio Lower Upper
252 100
253 26.2 17.6 26.4
125 14.0 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 5.330 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024

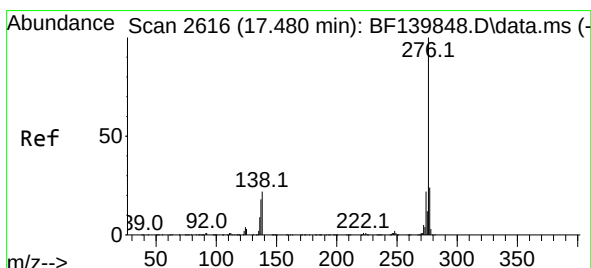
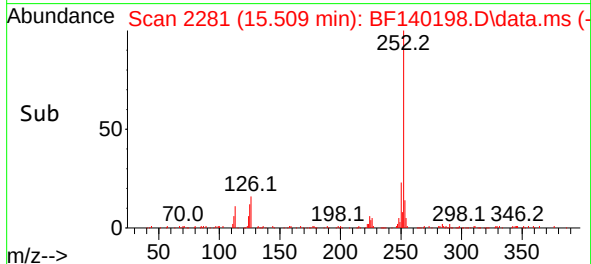
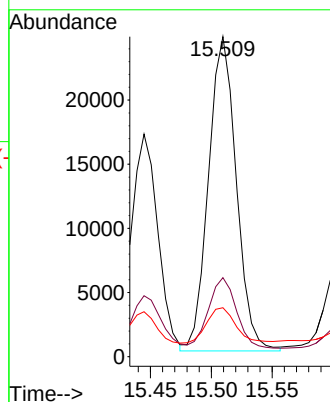
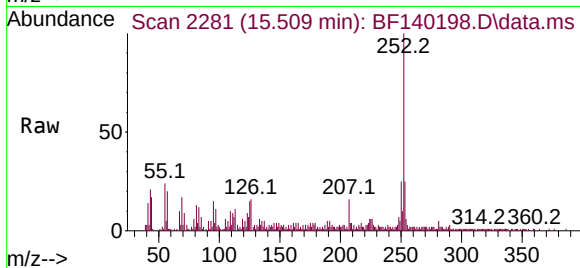
Tgt Ion:252 Resp: 38962

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 15.3 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.778 ng

RT: 17.556 min Scan# 2629

Delta R.T. 0.077 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

Tgt Ion:276 Resp: 21716

Ion Ratio Lower Upper

276 100

277 26.6 19.0 28.6

138 25.3 17.4 26.0

