

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139948.D
 Acq On : 23 Oct 2024 00:40
 Operator : RC/JU
 Sample : P4443-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-29

Quant Time: Oct 23 01:15:24 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)

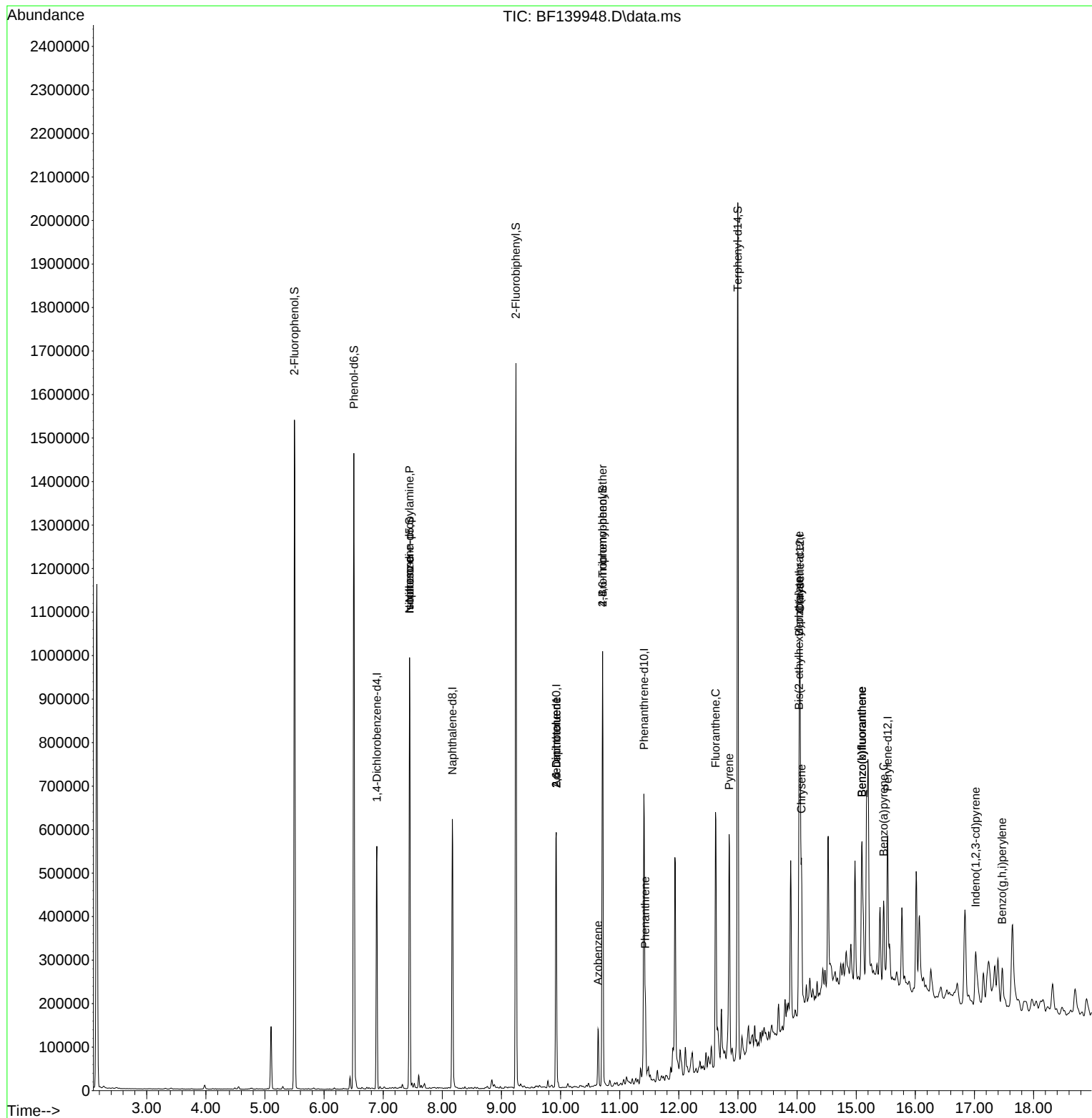
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	113022	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	368389	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	177730	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	339935	20.000	ng	0.00
76) Chrysene-d12	14.051	240	284746	20.000	ng	0.00
86) Perylene-d12	15.533	264	206032	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	559874	77.549	ng	0.00
7) Phenol-d6	6.504	99	655574	70.111	ng	0.00
23) Nitrobenzene-d5	7.445	82	412824	62.109	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	164280	98.819	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	723495	67.277	ng	0.00
79) Terphenyl-d14	12.998	244	967794	55.383	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	55362	9.762	ng	# 77
25) Isophorone	7.445	82	411643	32.630	ng	# 67
51) 2,6-Dinitrotoluene	9.928	165	22700	9.470	ng	# 22
57) 2,4-Dinitrotoluene	9.928	165	22700	7.701	ng	# 21
63) Azobenzene	10.633	77	33033	2.867	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10642	3.039	ng	# 1
71) Phenanthrene	11.433	178	93895	5.848	ng	99
75) Fluoranthene	12.621	202	318276	19.607	ng	99
78) Pyrene	12.851	202	297694	11.944	ng	99
81) Benzo(a)anthracene	14.039	228	177243	9.562	ng	97
83) Chrysene	14.074	228	184412	10.851	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	109914	13.110	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	81040	6.114	ng	95
88) Benzo(b)fluoranthene	15.098	252	279910	22.303	ng	97
89) Benzo(k)fluoranthene	15.098	252	279910	25.860	ng	97
90) Benzo(a)pyrene	15.462	252	110483	10.698	ng	97
92) Benzo(g,h,i)perylene	17.468	276	85137	7.708	ng	100

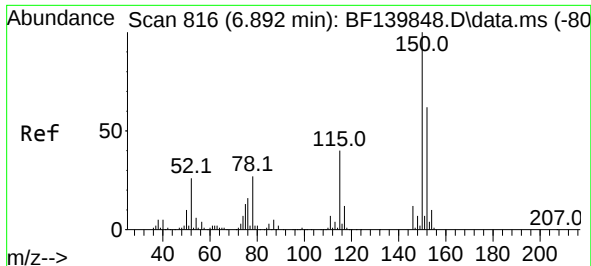
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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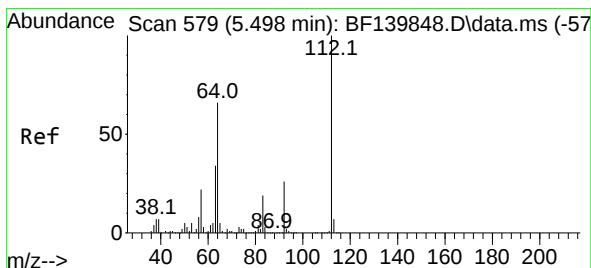
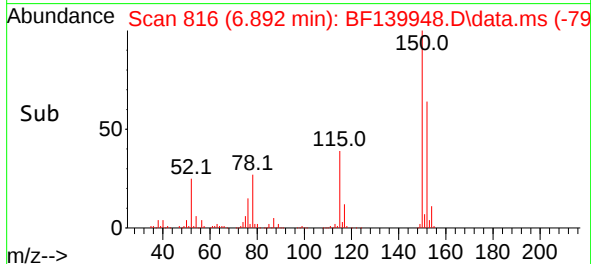
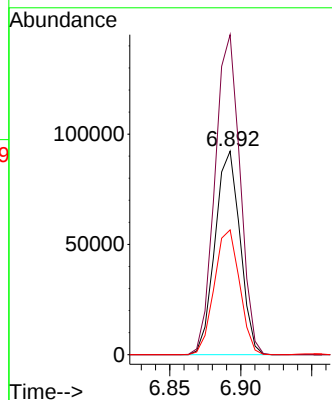
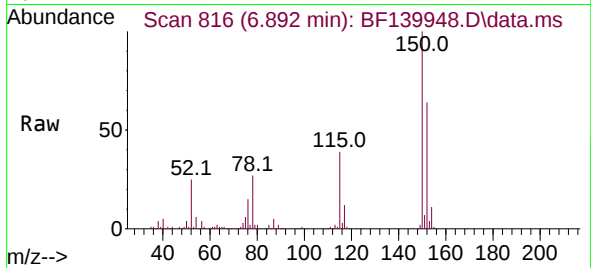




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

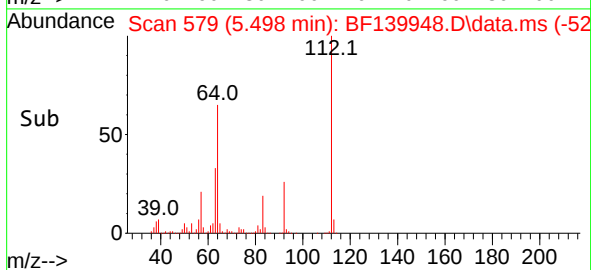
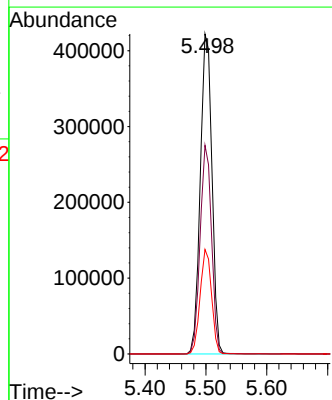
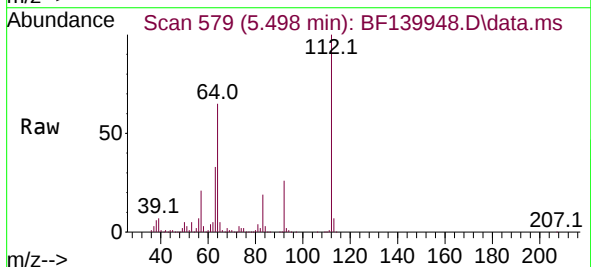
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

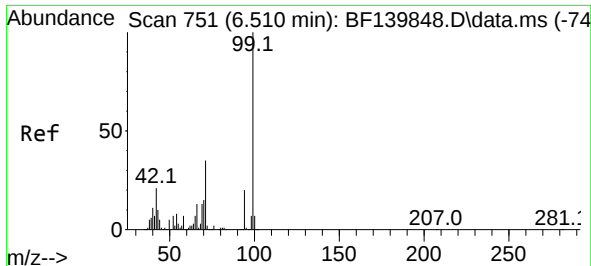
Tgt Ion:152 Resp: 113022
Ion Ratio Lower Upper
152 100
150 157.2 130.2 195.2
115 61.3 51.4 77.2



#5
2-Fluorophenol
Concen: 77.549 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion:112 Resp: 559874
Ion Ratio Lower Upper
112 100
64 65.2 53.0 79.6
63 32.7 27.0 40.4

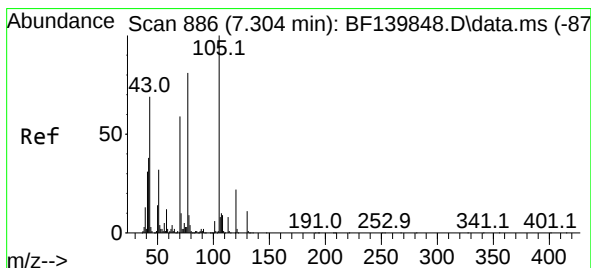
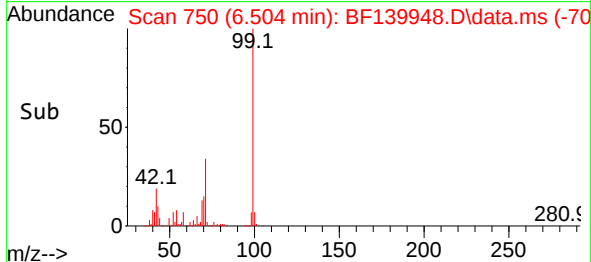
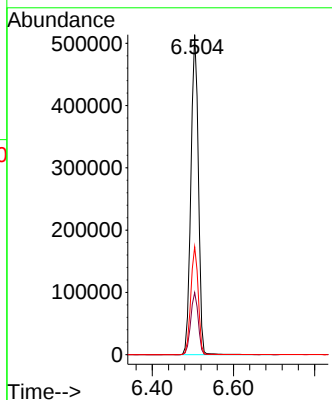
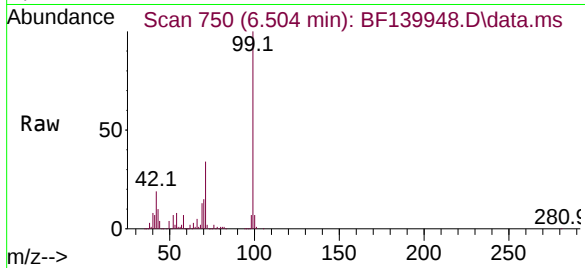




#7
Phenol-d6
Concen: 70.111 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

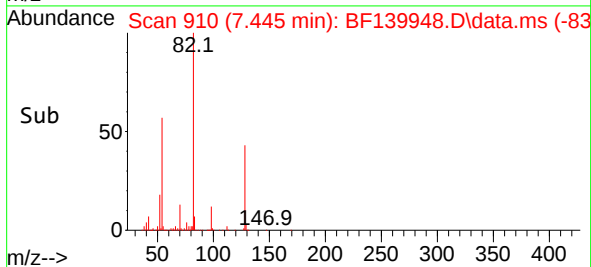
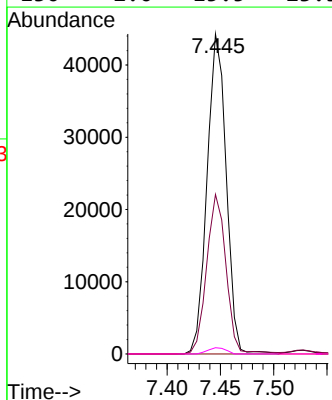
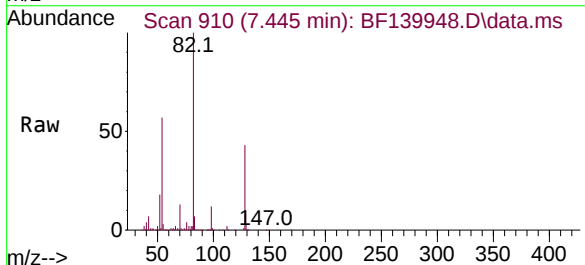
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

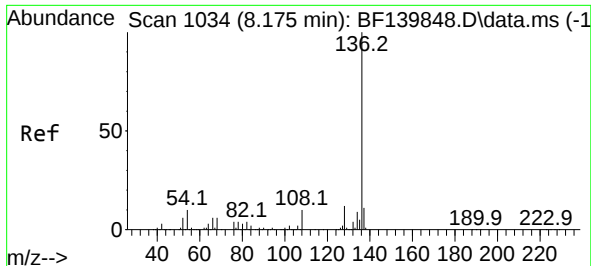
Tgt Ion: 99 Resp: 655574
Ion Ratio Lower Upper
99 100
42 19.4 16.7 25.1
71 33.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.762 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion: 70 Resp: 55362
Ion Ratio Lower Upper
70 100
42 49.8 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



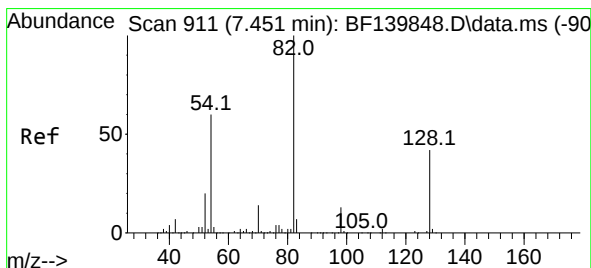
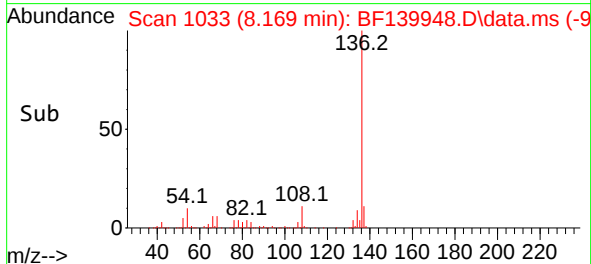
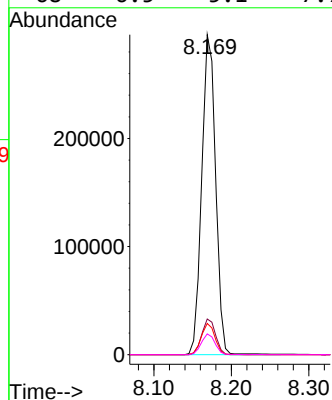
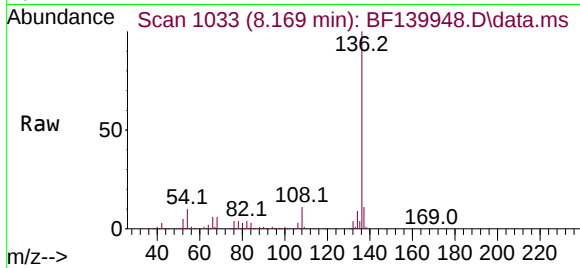


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

Tgt Ion:136 Resp: 368389

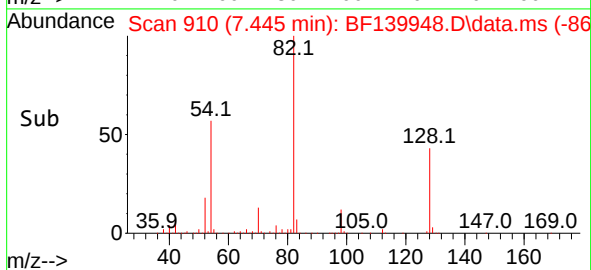
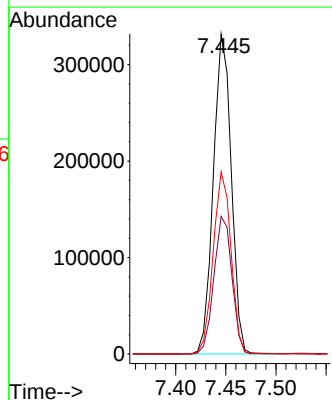
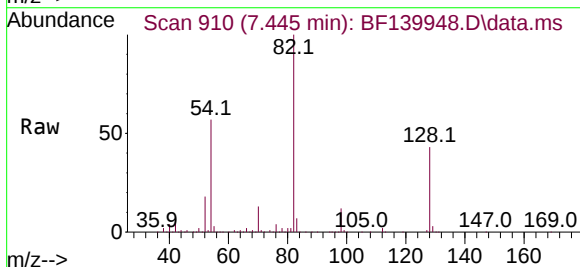
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	9.8	8.4	12.6
68	6.5	5.1	7.7

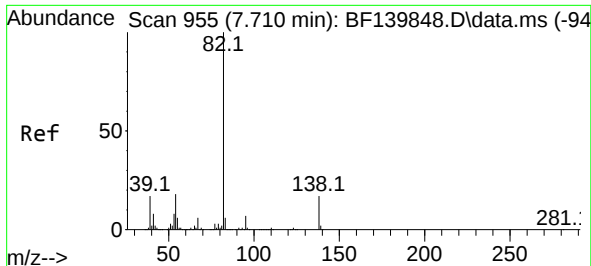


#23
Nitrobenzene-d5
Concen: 62.109 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion: 82 Resp: 412824

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	56.9	47.8	71.8

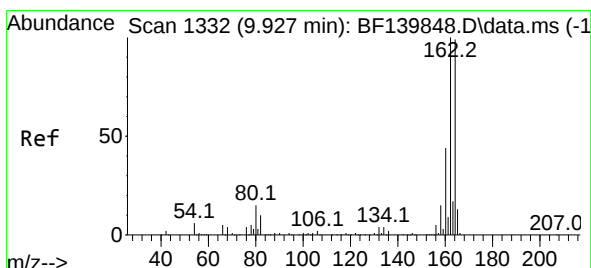
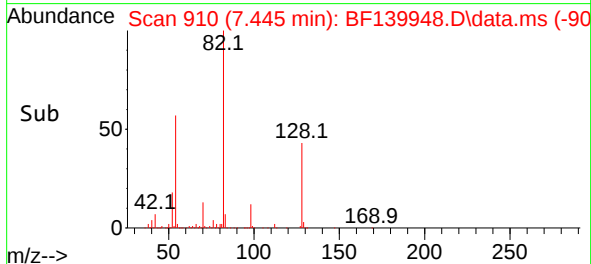
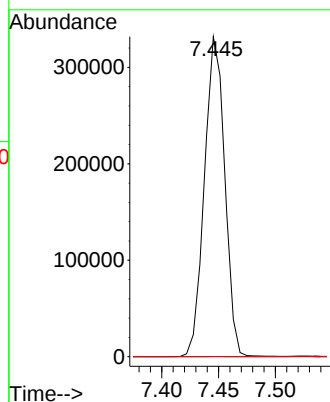
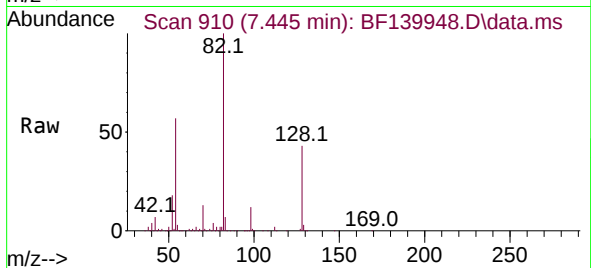




#25
Isophorone
Concen: 32.630 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

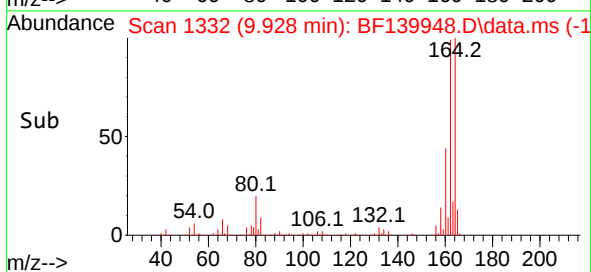
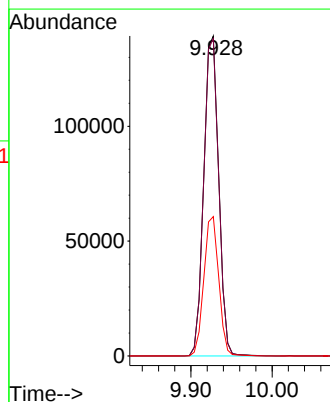
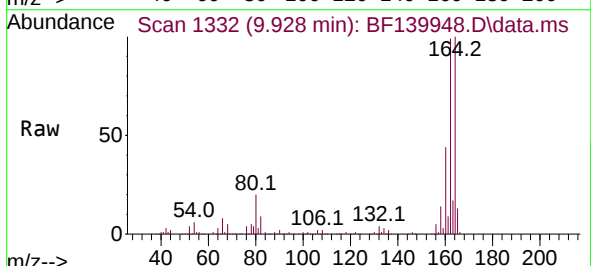
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

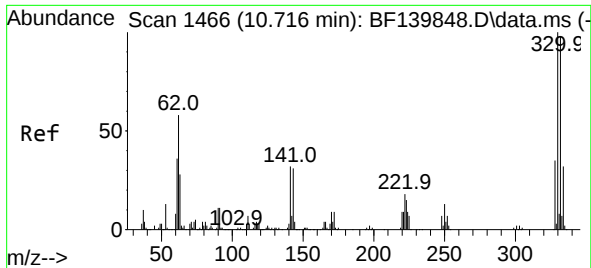
Tgt Ion: 82 Resp: 411643
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

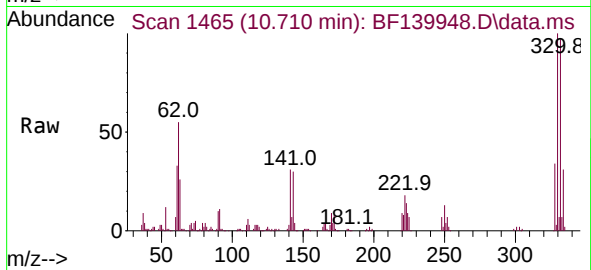
Tgt Ion: 164 Resp: 177730
Ion Ratio Lower Upper
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162 99.1 81.0 121.4
160 43.5 35.4 53.0



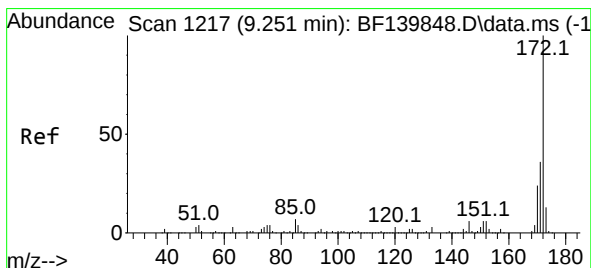
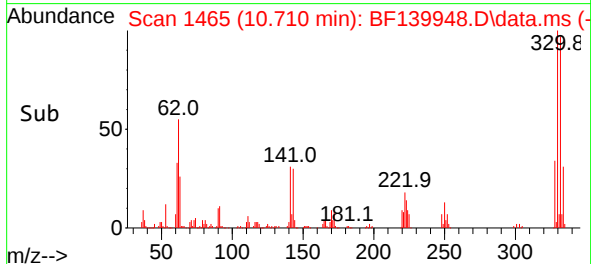
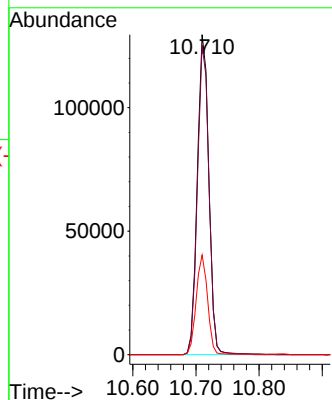


#42
2,4,6-Tribromophenol
Concen: 98.819 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

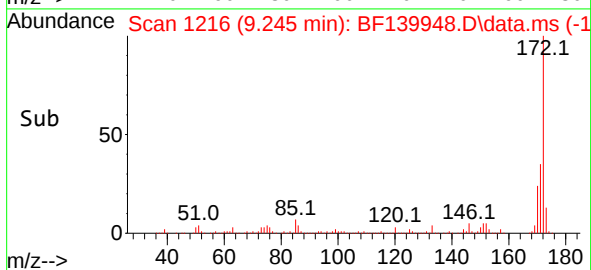
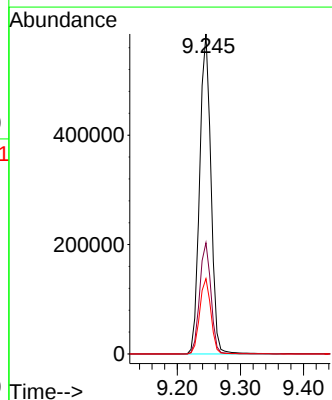
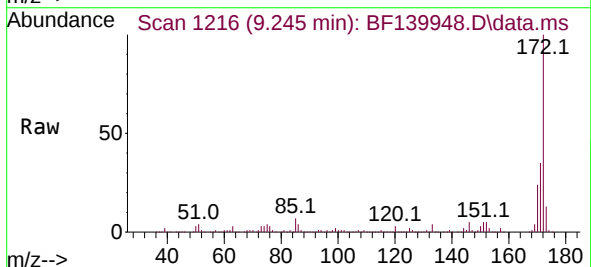


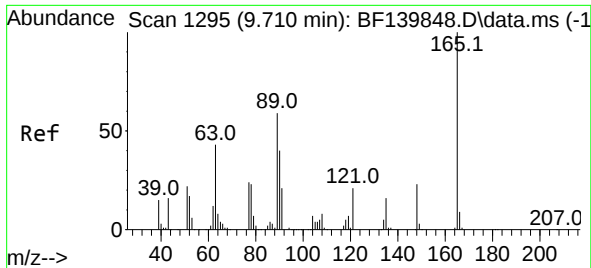
Tgt Ion: 330 Resp: 164280
Ion Ratio Lower Upper
330 100
332 96.7 78.1 117.1
141 30.9 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 67.277 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion: 172 Resp: 723495
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 23.6 19.1 28.7

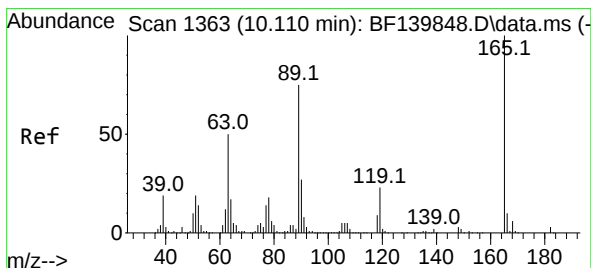
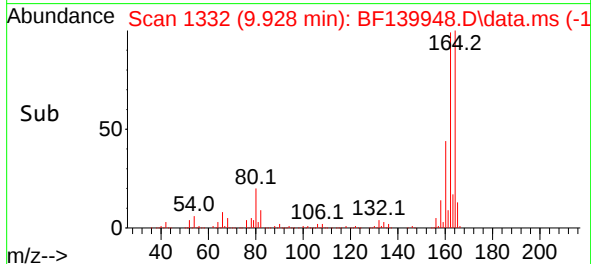
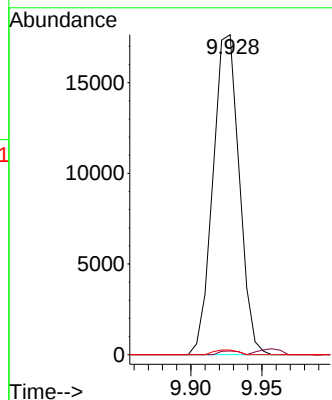
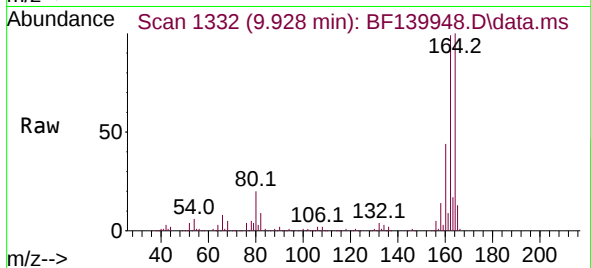




#51
2,6-Dinitrotoluene
Concen: 9.470 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

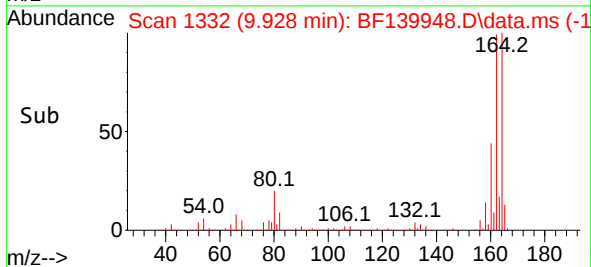
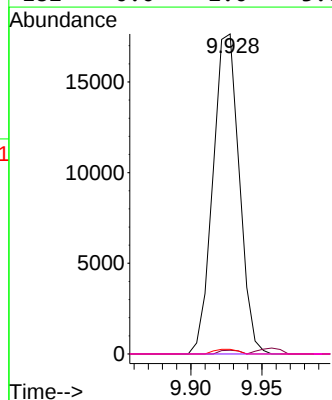
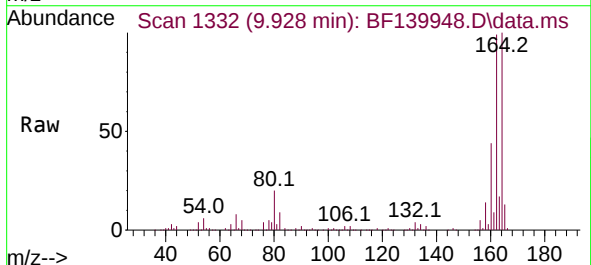
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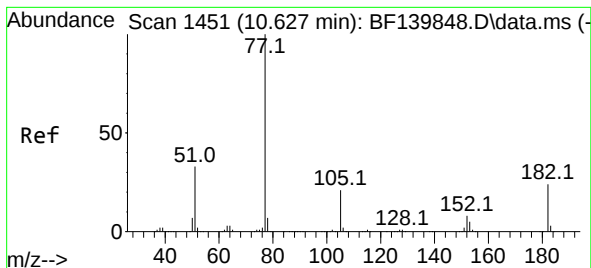
Tgt Ion:165 Resp: 22700
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 1.4 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.701 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.182 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion:165 Resp: 22700
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 1.4 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.867 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139948.D

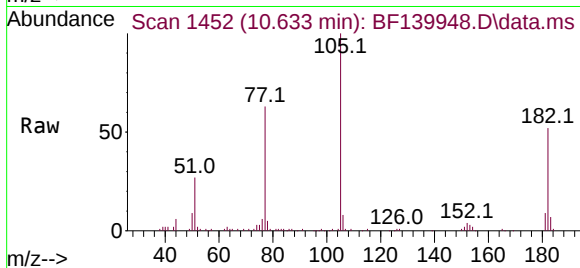
Acq: 23 Oct 2024 00:40

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-29



Tgt Ion: 77 Resp: 33033

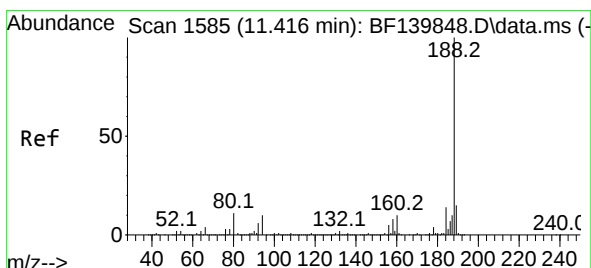
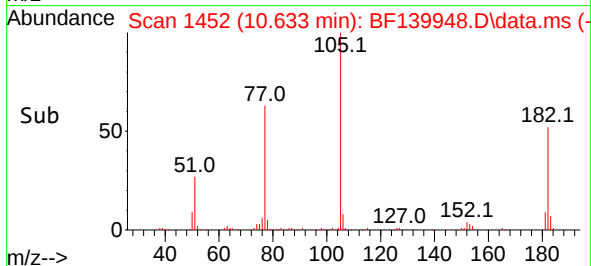
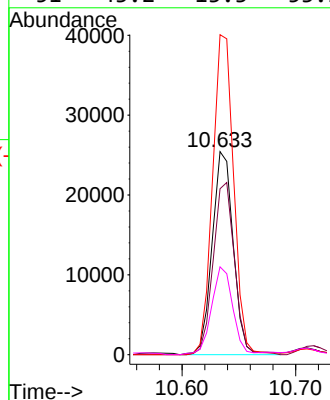
Ion Ratio Lower Upper

77 100

182 81.8 3.3 43.3#

105 157.6 1.2 41.2#

51 43.2 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

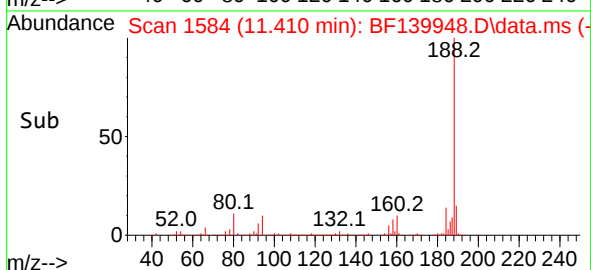
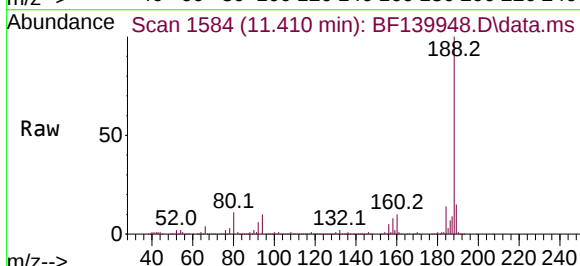
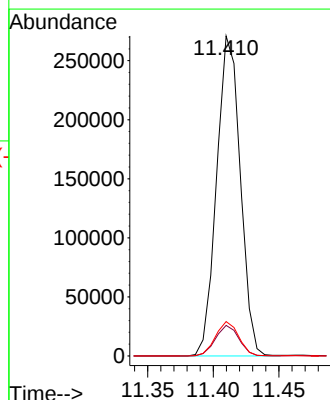
Tgt Ion: 188 Resp: 339935

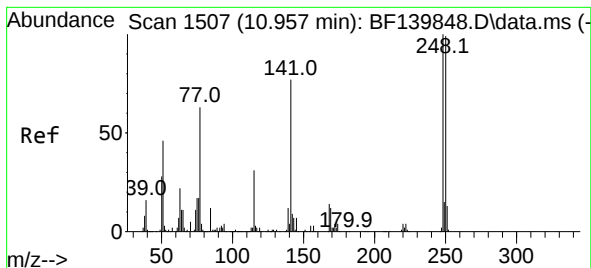
Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 10.7 9.0 13.4

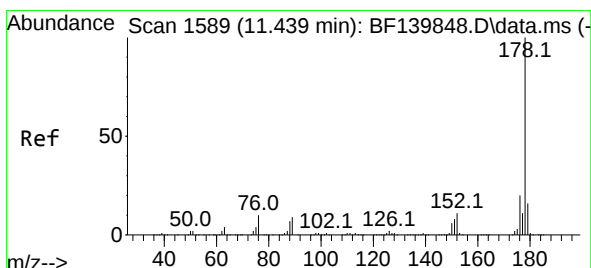
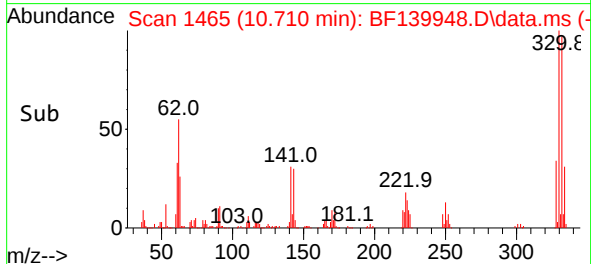
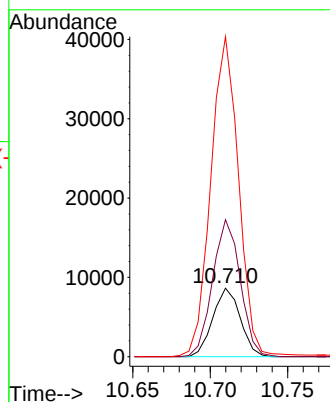
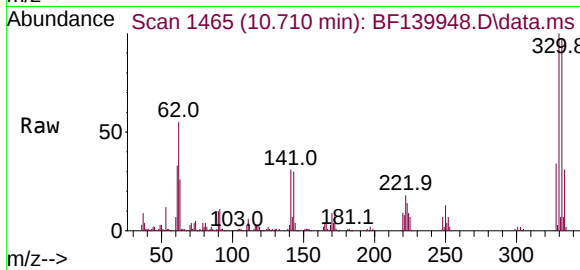




#67
4-Bromophenyl-phenylether
Concen: 3.039 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

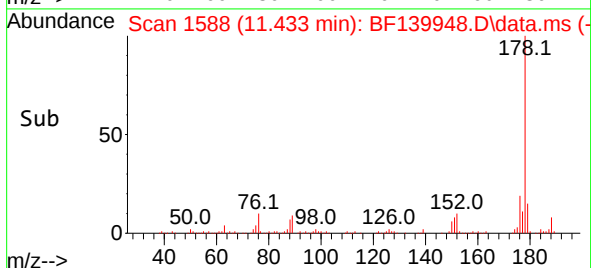
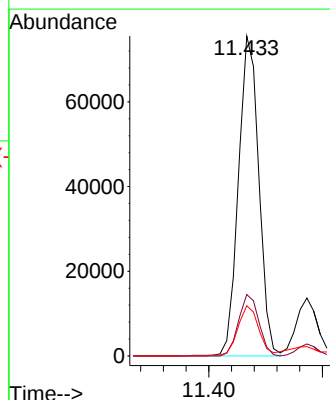
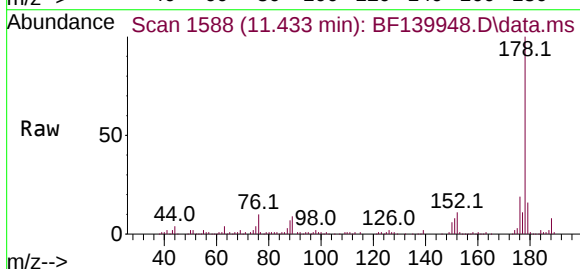
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

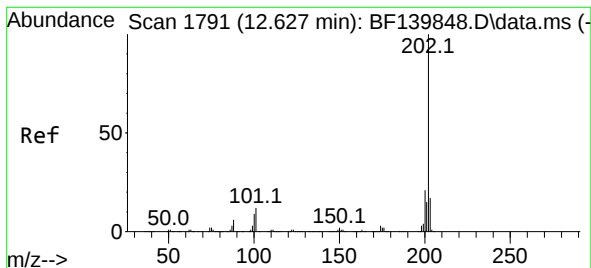
Tgt Ion:248 Resp: 10642
Ion Ratio Lower Upper
248 100
250 199.7 79.0 118.6#
141 466.8 61.7 92.5#



#71
Phenanthrene
Concen: 5.848 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion:178 Resp: 93895
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.7 12.6 18.8





#75

Fluoranthene

Concen: 19.607 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-29

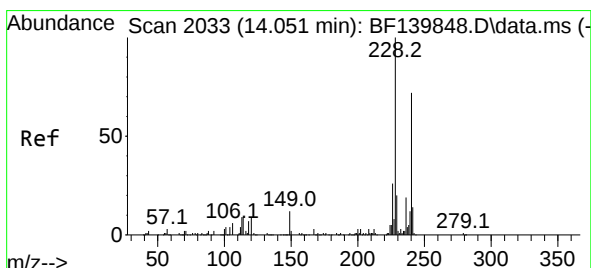
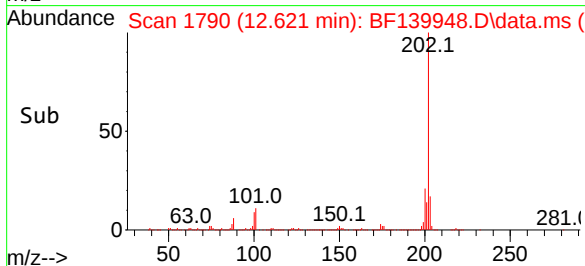
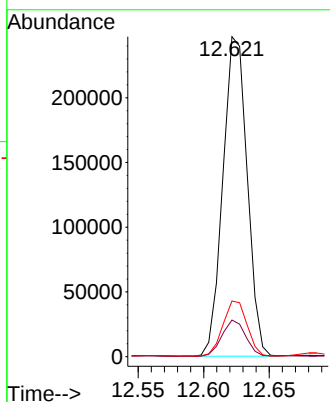
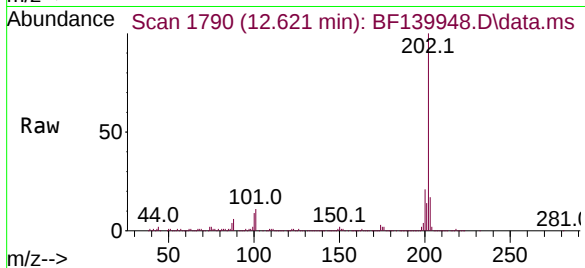
Tgt Ion:202 Resp: 318276

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: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

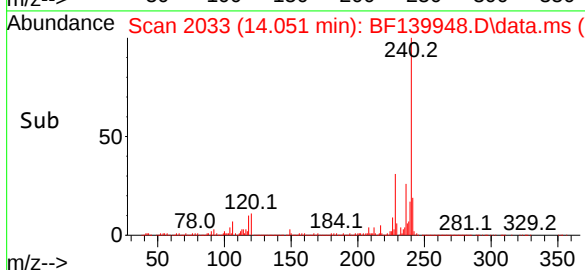
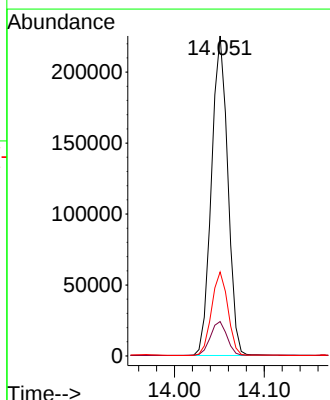
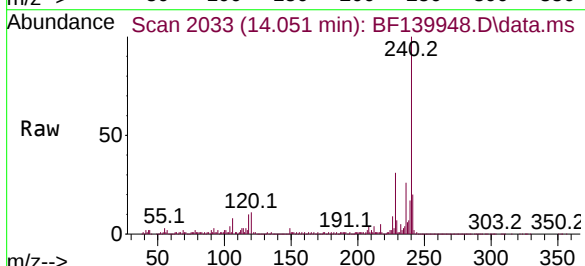
Tgt Ion:240 Resp: 284746

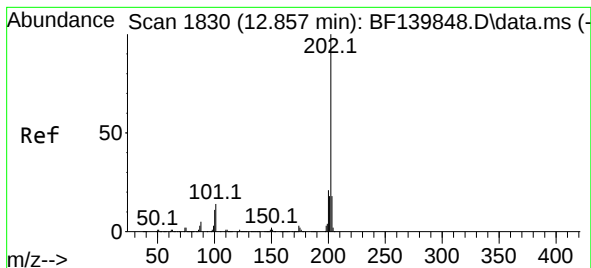
Ion Ratio Lower Upper

240 100

120 10.8 9.4 14.2

236 26.3 20.9 31.3





#78

Pyrene

Concen: 11.944 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-29

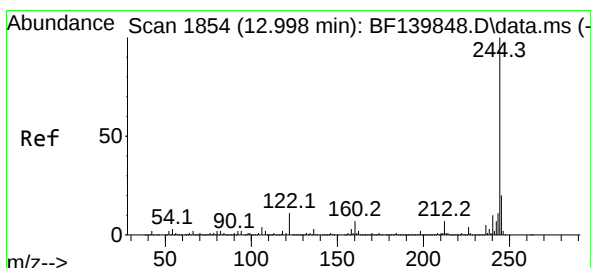
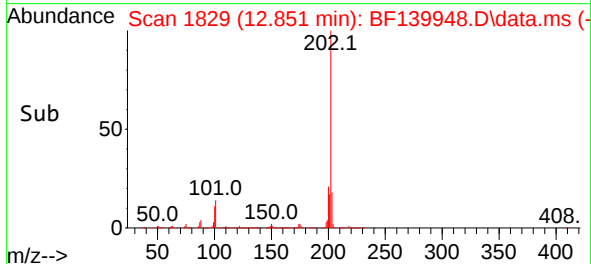
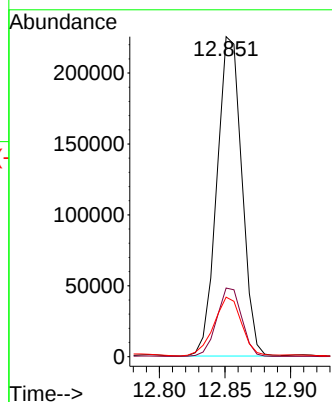
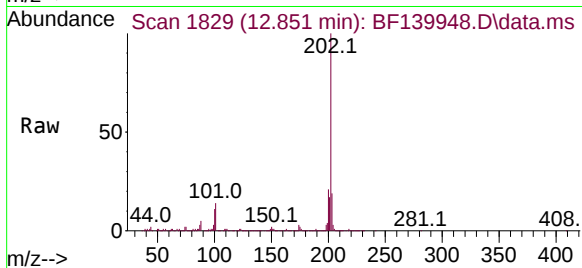
Tgt Ion:202 Resp: 297694

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 18.6 14.2 21.4



#79

Terphenyl-d14

Concen: 55.383 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

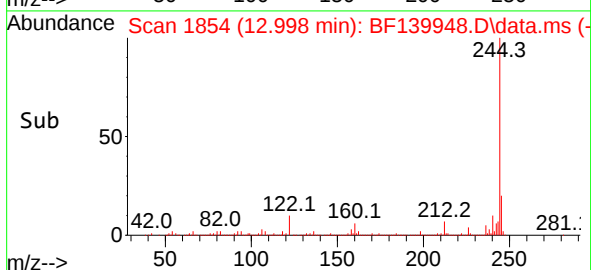
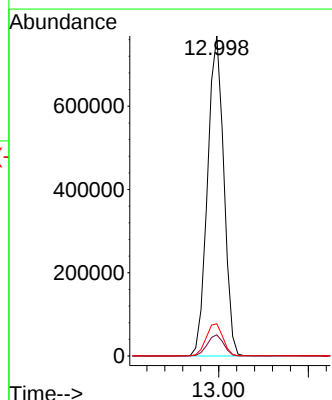
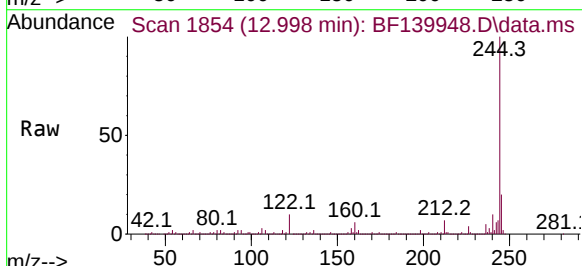
Tgt Ion:244 Resp: 967794

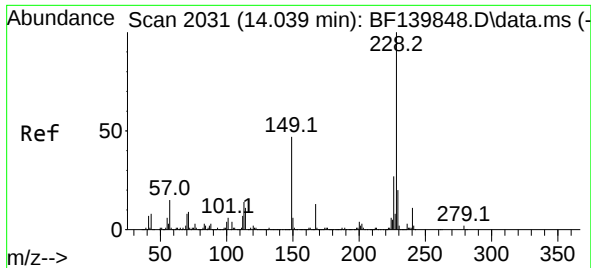
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.1 8.6 13.0

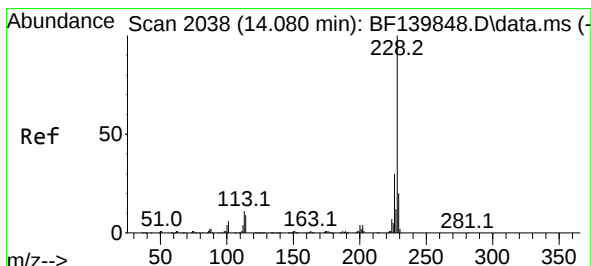
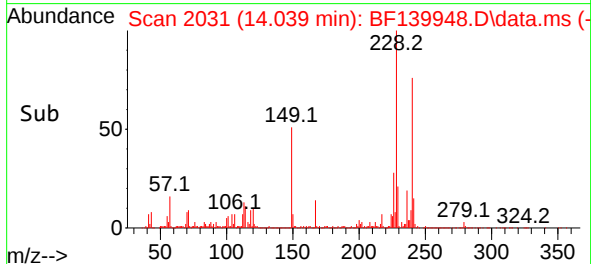
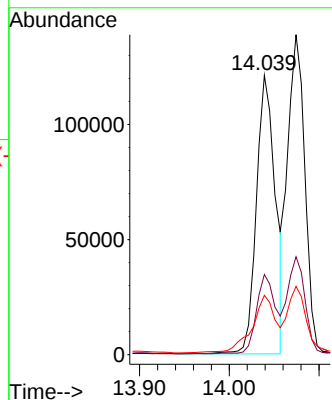
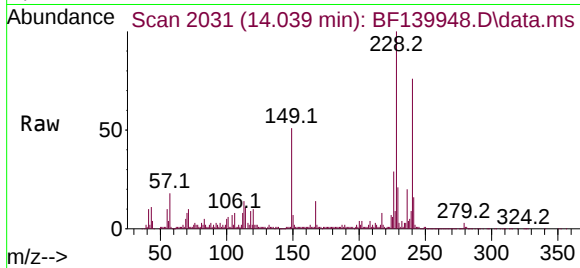




#81
Benzo(a)anthracene
Concen: 9.562 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

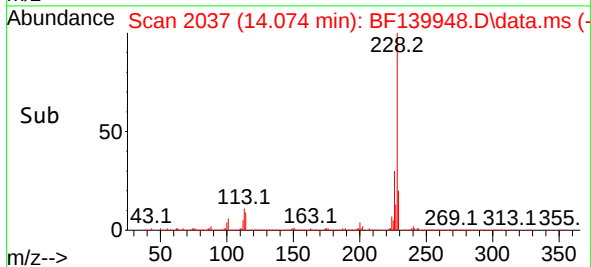
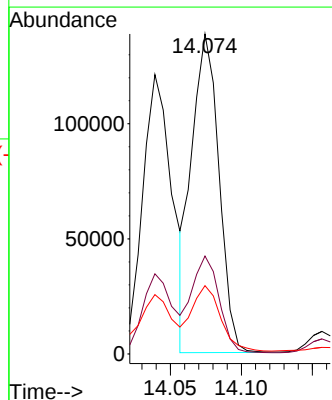
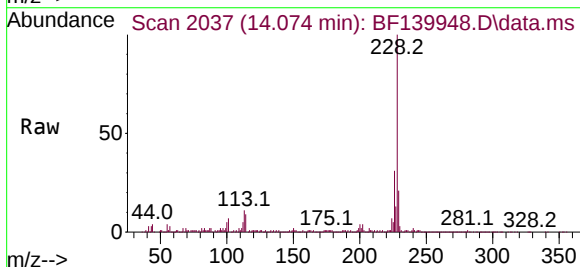
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

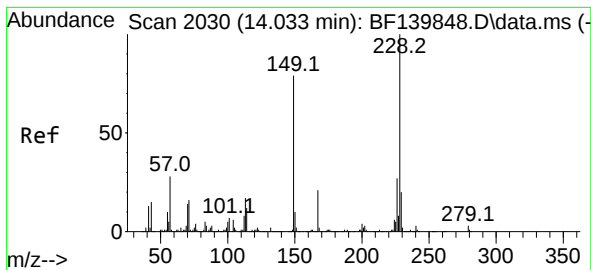
Tgt Ion:228 Resp: 177243
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 21.3 16.1 24.1



#83
Chrysene
Concen: 10.851 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion:228 Resp: 184412
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 21.4 15.8 23.6

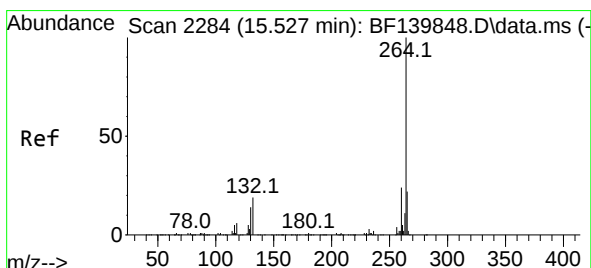
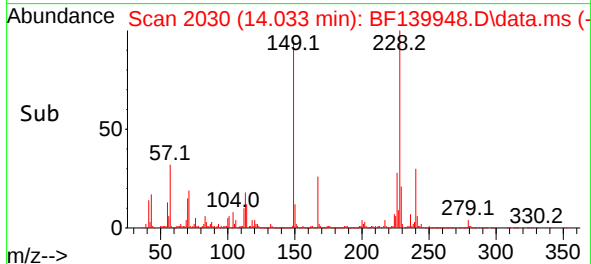
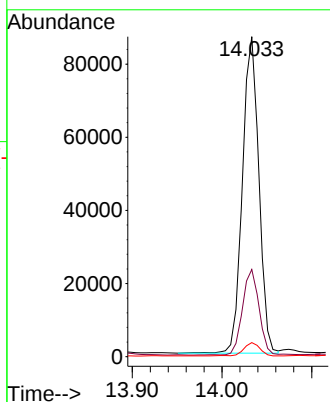
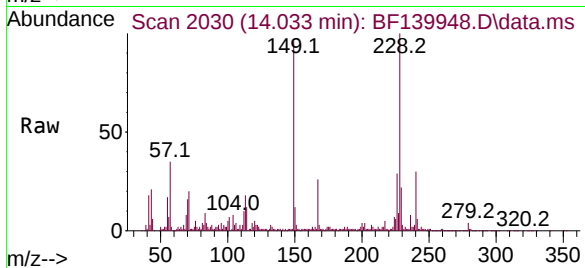




#84
Bis(2-ethylhexyl)phthalate
Concen: 13.110 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

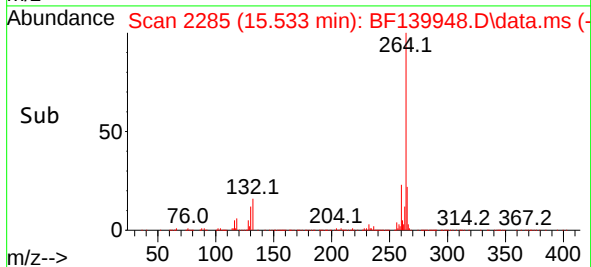
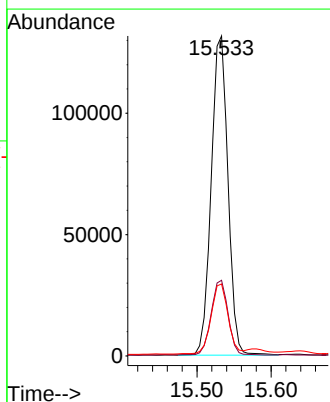
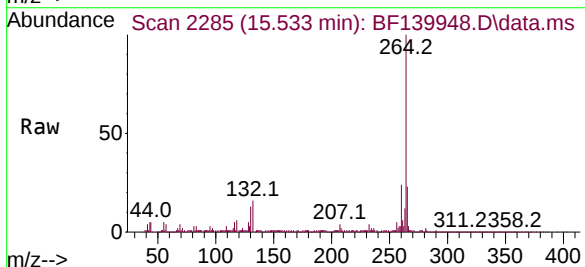
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

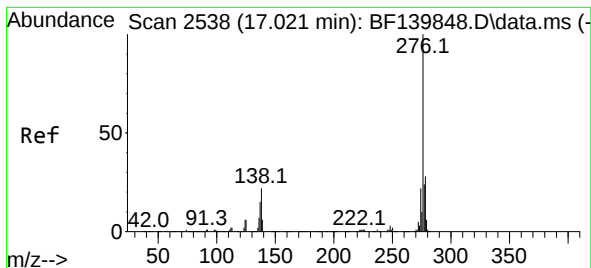
Tgt Ion:149 Resp: 109914
Ion Ratio Lower Upper
149 100
167 27.3 21.4 32.0
279 4.4 3.0 4.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion:264 Resp: 206032
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.114 ng

RT: 17.021 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-29

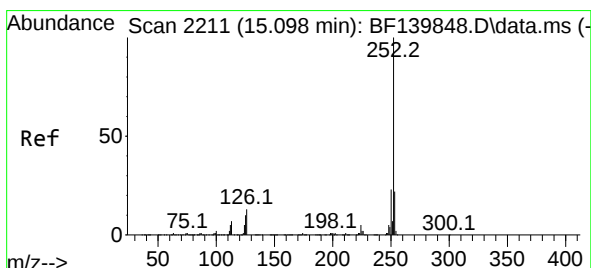
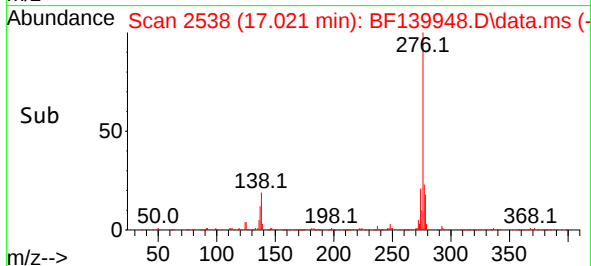
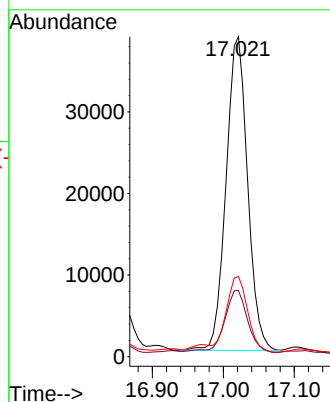
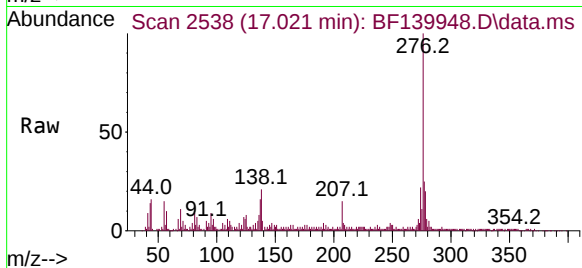
Tgt Ion:276 Resp: 81040

Ion Ratio Lower Upper

276 100

138 21.5 20.4 30.6

277 23.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 22.303 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

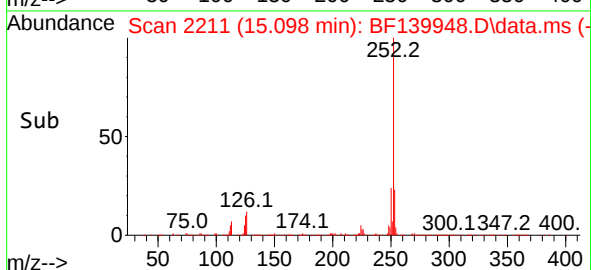
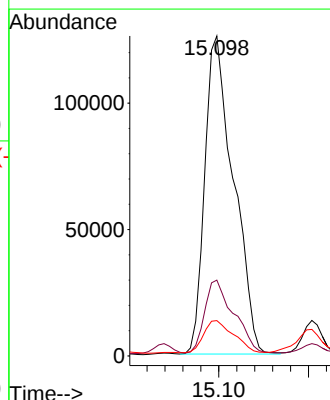
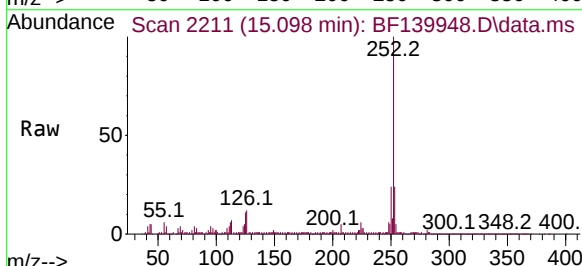
Tgt Ion:252 Resp: 279910

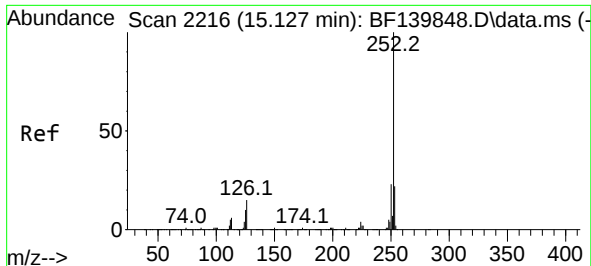
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 11.1 7.9 11.9

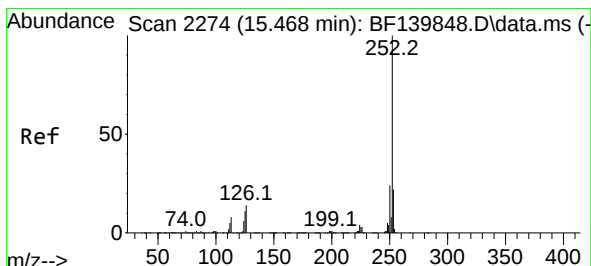
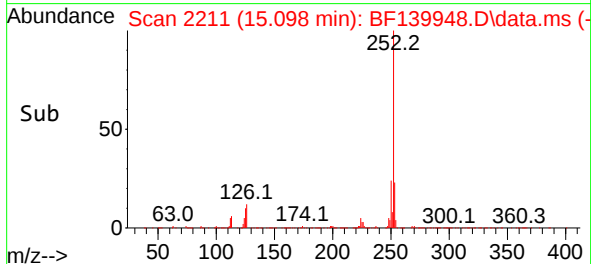
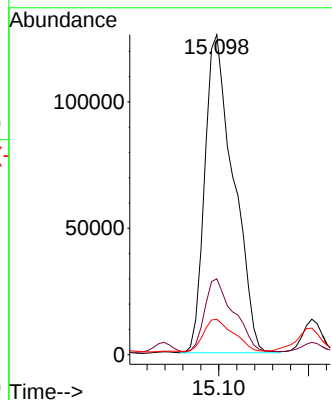
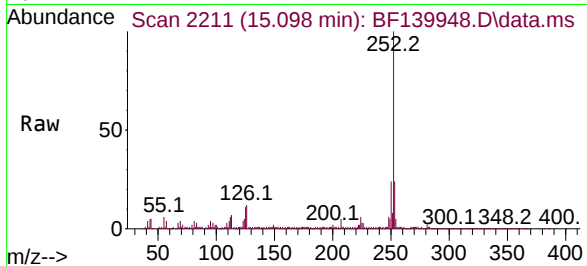




#89
Benzo(k)fluoranthene
Concen: 25.860 ng
RT: 15.098 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

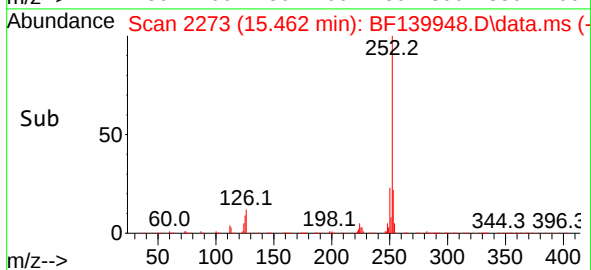
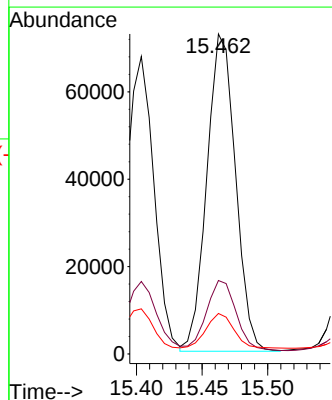
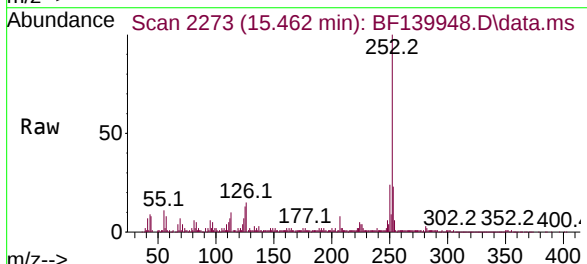
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-29

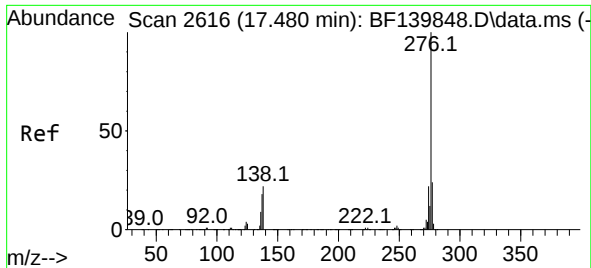
Tgt Ion:252 Resp: 279910
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 11.1 7.9 11.9



#90
Benzo(a)pyrene
Concen: 10.698 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139948.D
Acq: 23 Oct 2024 00:40

Tgt Ion:252 Resp: 110483
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 12.7 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 7.708 ng
 RT: 17.468 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF139948.D
 Acq: 23 Oct 2024 00:40

Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-29

Tgt Ion:276 Resp: 85137
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.0 28.6
 138 21.6 17.4 26.0

