

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139968.D
 Acq On : 23 Oct 2024 17:01
 Operator : RC/JU
 Sample : P4443-06DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-30DL

Quant Time: Oct 23 17:27:31 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)

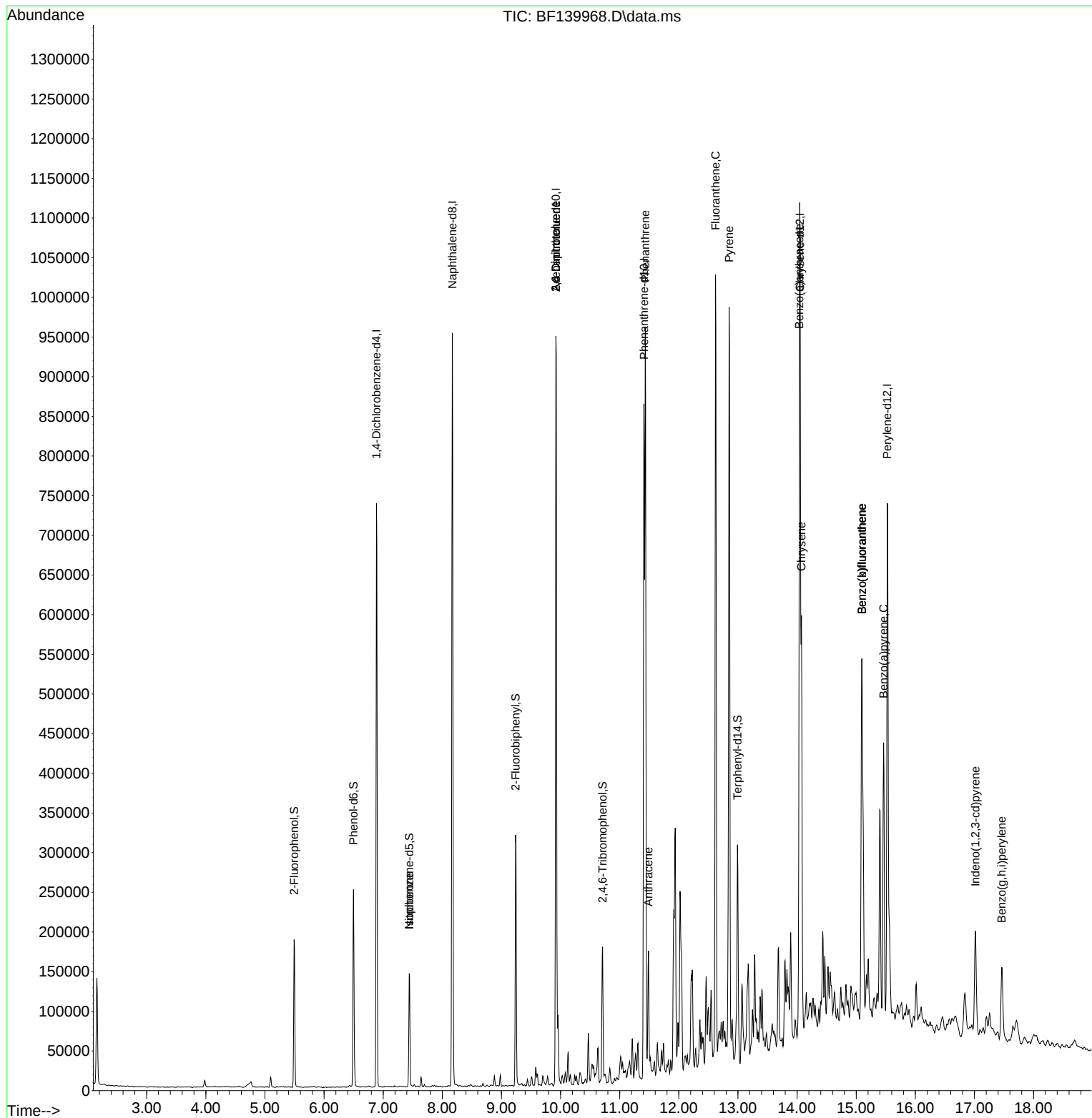
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	153196	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	564160	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	291321	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	448826	20.000	ng	0.00
76) Chrysene-d12	14.051	240	321776	20.000	ng	0.00
86) Perylene-d12	15.527	264	388344	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	66780	6.824	ng	0.00
7) Phenol-d6	6.498	99	105849	8.352	ng	-0.01
23) Nitrobenzene-d5	7.439	82	61316	6.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	24115	8.850	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	144730	8.211	ng	-0.01
79) Terphenyl-d14	12.992	244	119979	6.076	ng	0.00
Target Compounds					Qvalue	
25) Isophorone	7.439	82	61260	3.171	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	37539	9.555	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	37744	7.812	ng	# 21
71) Phenanthrene	11.433	178	487495	22.994	ng	99
72) Anthracene	11.486	178	87338	4.222	ng	99
75) Fluoranthene	12.621	202	540777	25.232	ng	100
78) Pyrene	12.851	202	539800	19.165	ng	98
81) Benzo(a)anthracene	14.039	228	288670	13.781	ng	98
83) Chrysene	14.074	228	264214	13.757	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	98601	3.947	ng	94
88) Benzo(b)fluoranthene	15.098	252	405987	17.162	ng	98
89) Benzo(k)fluoranthene	15.098	252	405987	19.900	ng	98
90) Benzo(a)pyrene	15.462	252	215170	11.054	ng	99
92) Benzo(g,h,i)perylene	17.462	276	84961	4.081	ng	100

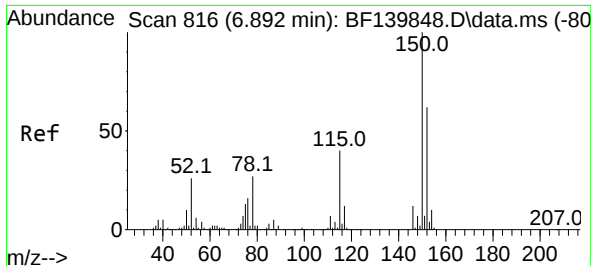
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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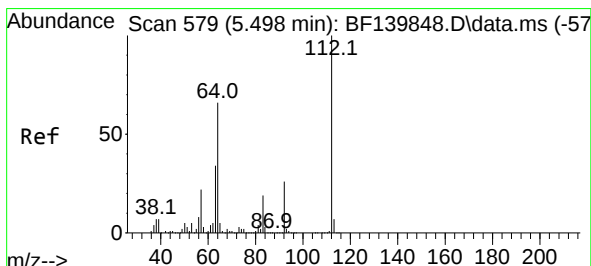
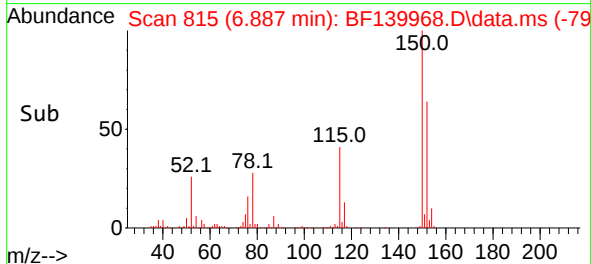
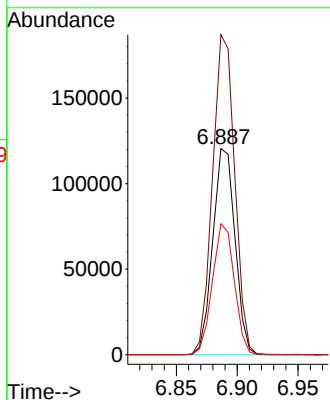
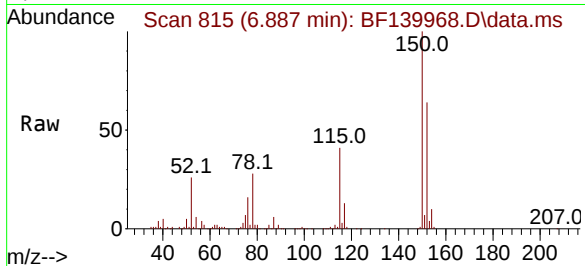




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

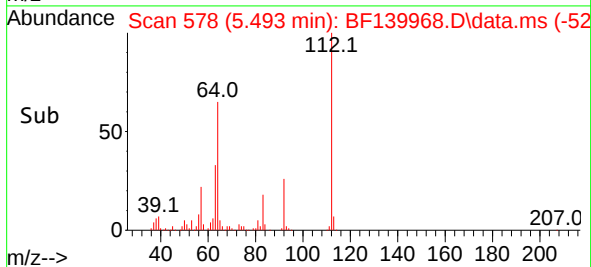
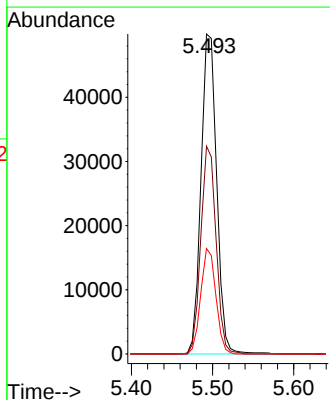
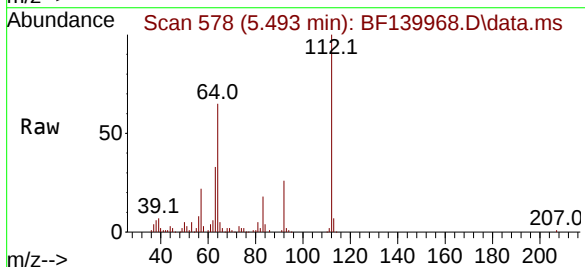
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL

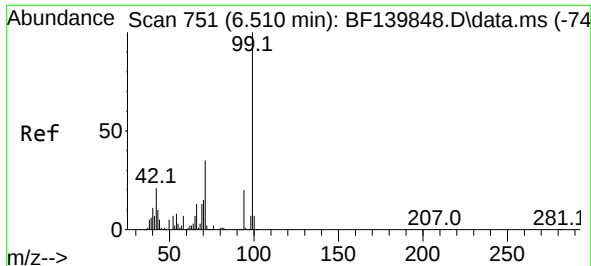
Tgt Ion:152 Resp: 153196
Ion Ratio Lower Upper
152 100
150 155.3 130.2 195.2
115 63.5 51.4 77.2



#5
2-Fluorophenol
Concen: 6.824 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

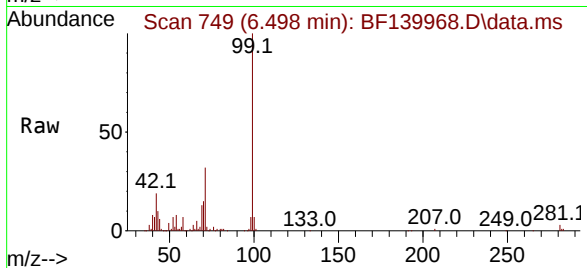
Tgt Ion:112 Resp: 66780
Ion Ratio Lower Upper
112 100
64 65.0 53.0 79.6
63 32.9 27.0 40.4



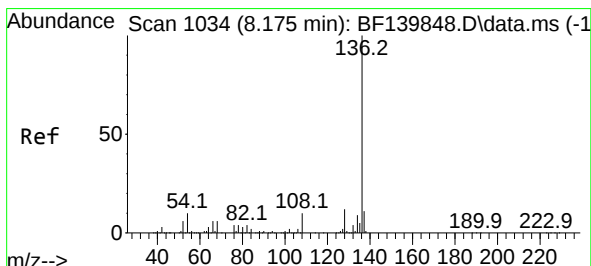
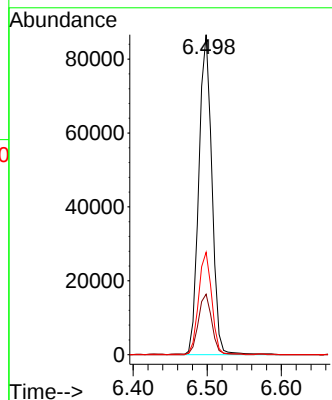
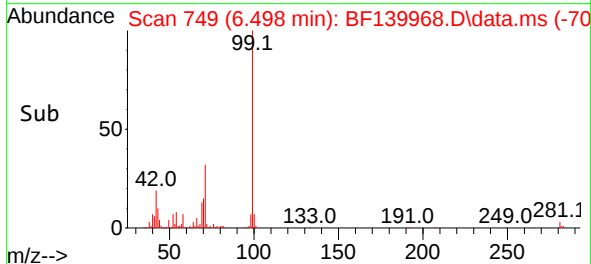


#7
Phenol-d6
Concen: 8.352 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL

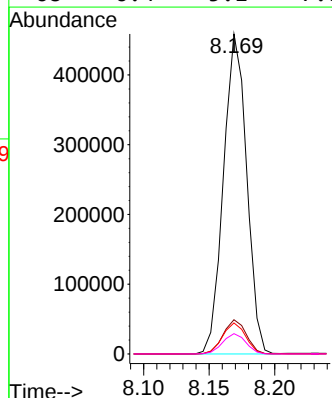
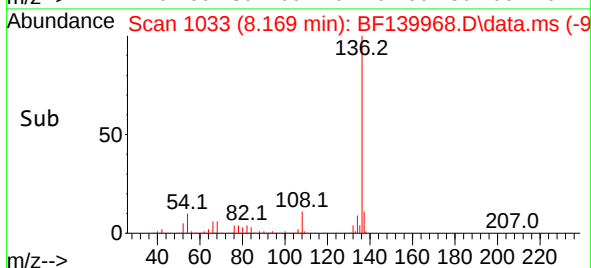
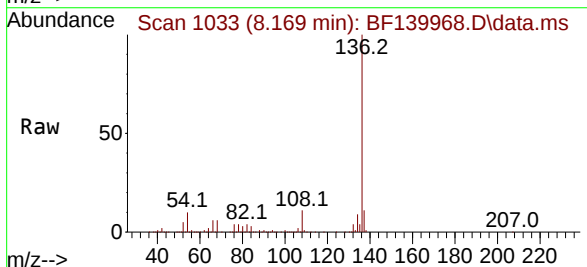


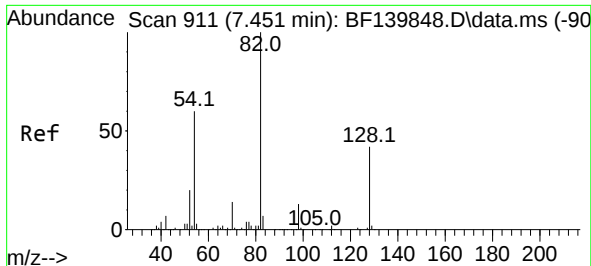
Tgt Ion: 99 Resp: 105849
Ion Ratio Lower Upper
99 100
42 18.9 16.7 25.1
71 32.0 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion: 136 Resp: 564160
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 8.4 12.6
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 6.024 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF139968.D

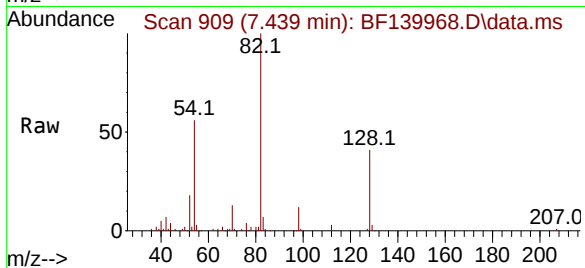
Acq: 23 Oct 2024 17:01

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30DL



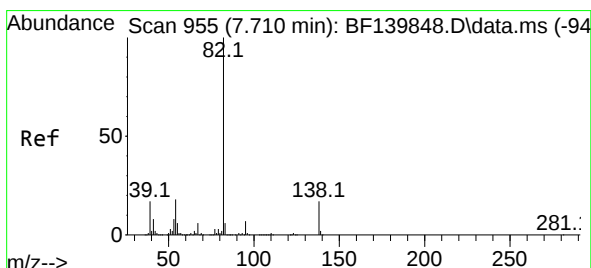
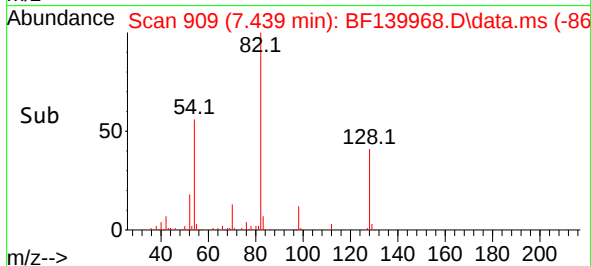
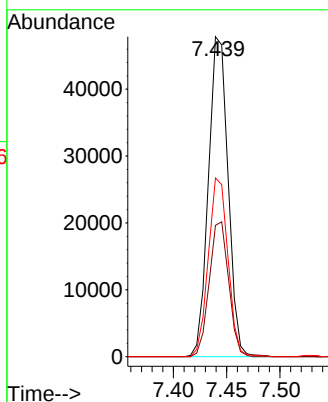
Tgt Ion: 82 Resp: 61316

Ion Ratio Lower Upper

82 100

128 41.1 33.4 50.0

54 55.9 47.8 71.8



#25

Isophorone

Concen: 3.171 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.270 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

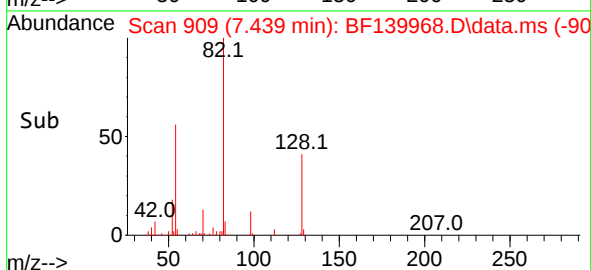
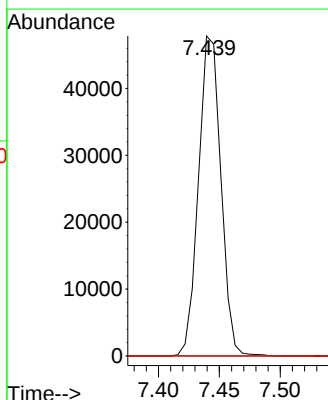
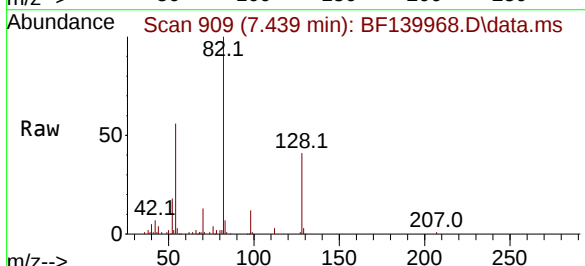
Tgt Ion: 82 Resp: 61260

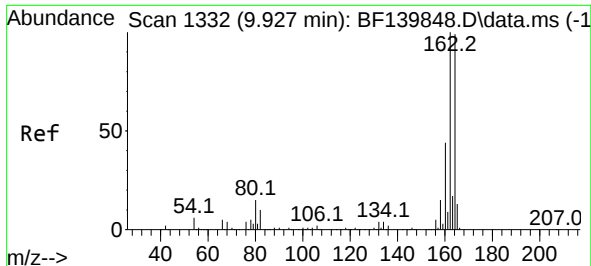
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.2 19.8#

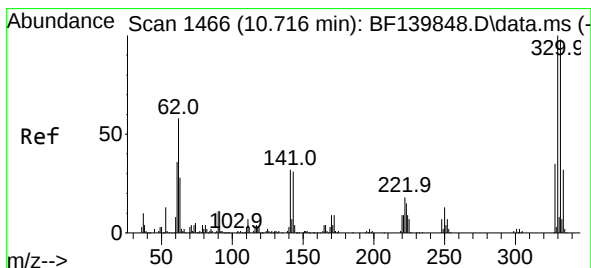
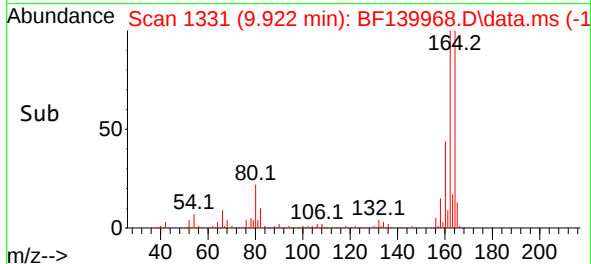
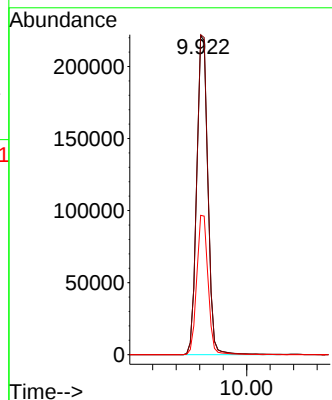
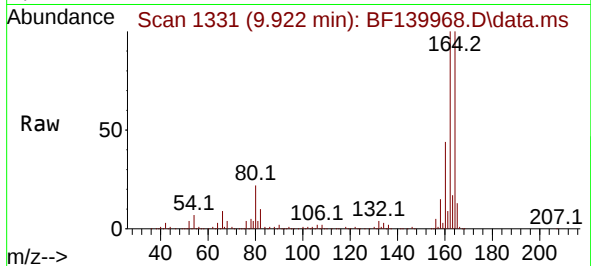




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

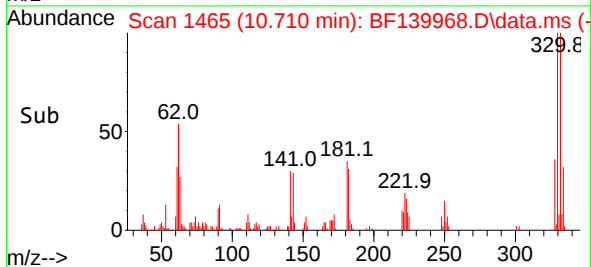
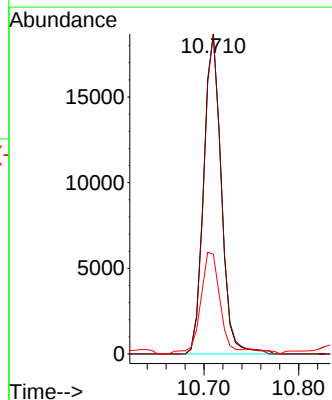
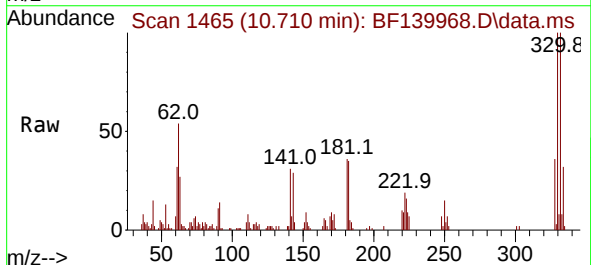
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL

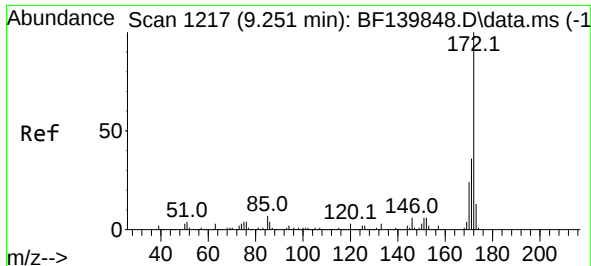
Tgt Ion:164 Resp: 291321
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 43.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 8.850 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion:330 Resp: 24115
Ion Ratio Lower Upper
330 100
332 99.4 78.1 117.1
141 34.9 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 8.211 ng

RT: 9.239 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30DL

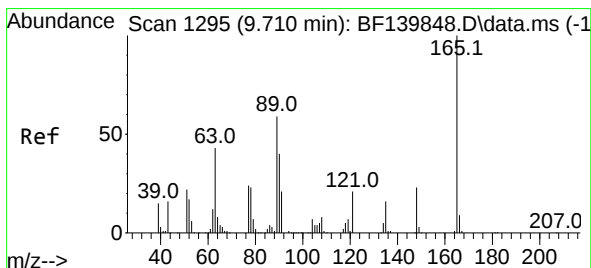
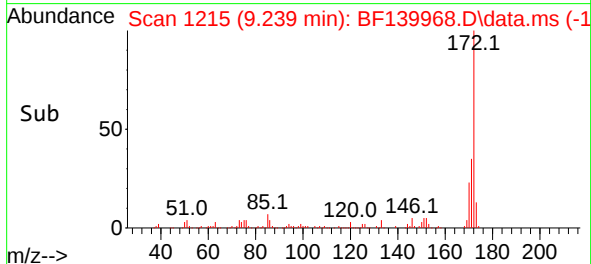
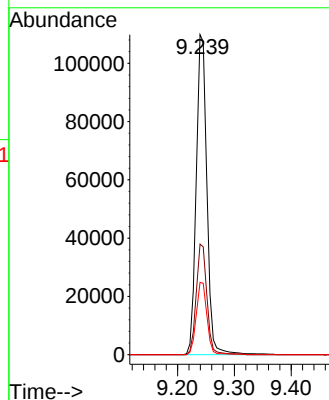
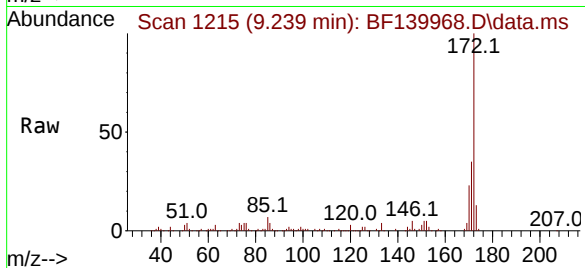
Tgt Ion:172 Resp: 144730

Ion Ratio Lower Upper

172 100

171 34.5 28.6 43.0

170 22.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.555 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

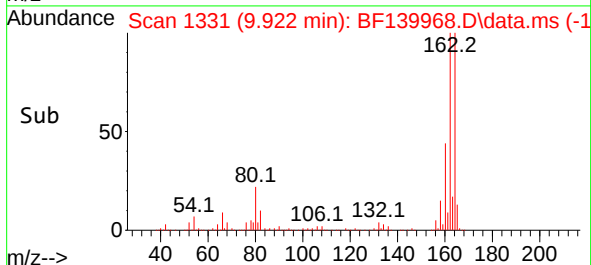
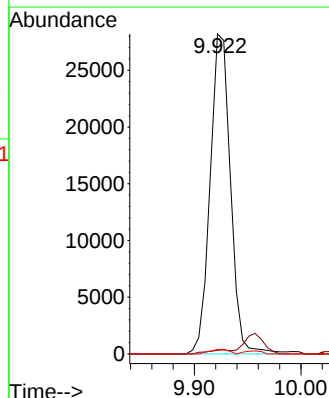
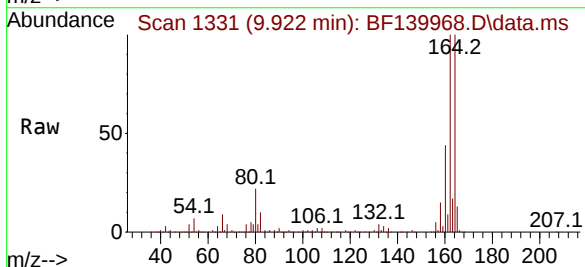
Tgt Ion:165 Resp: 37539

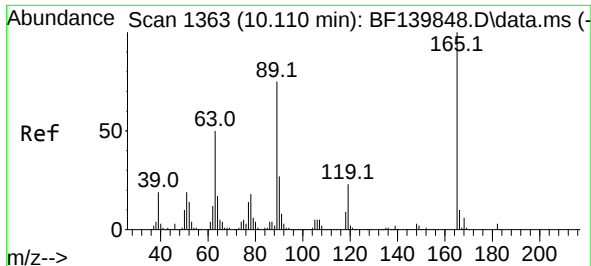
Ion Ratio Lower Upper

165 100

63 1.2 50.6 75.8#

89 1.4 47.5 71.3#

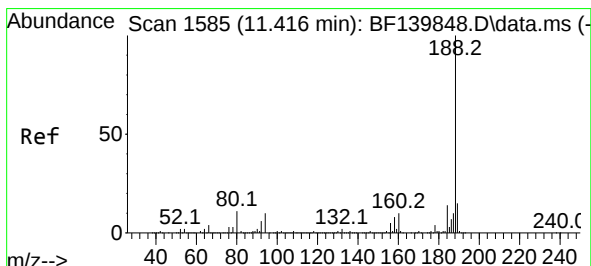
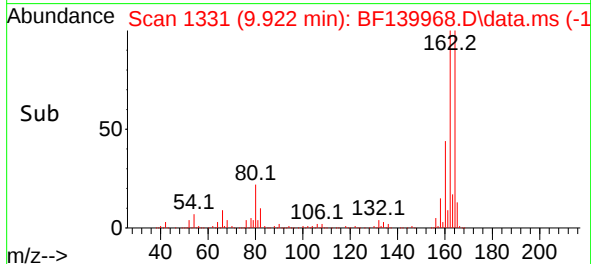
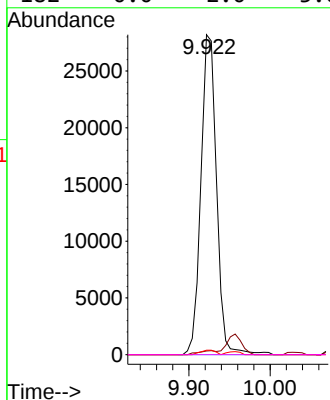
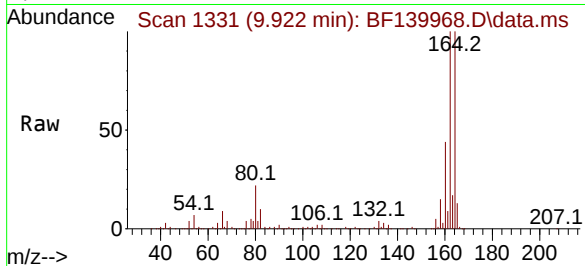




#57
2,4-Dinitrotoluene
Concen: 7.812 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

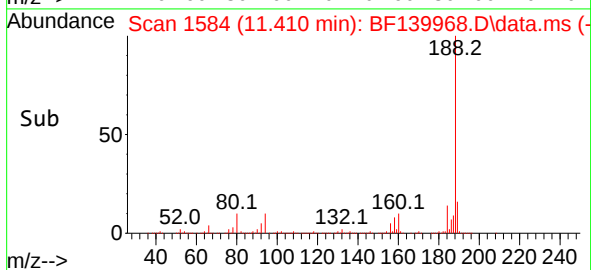
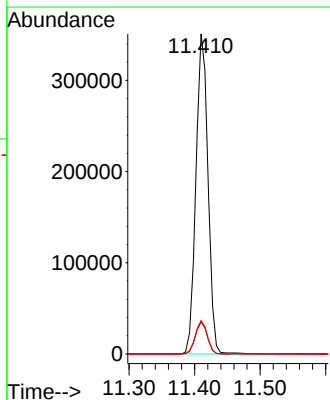
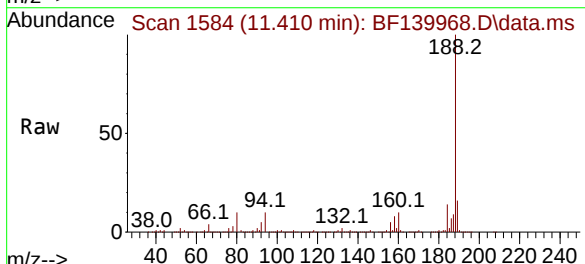
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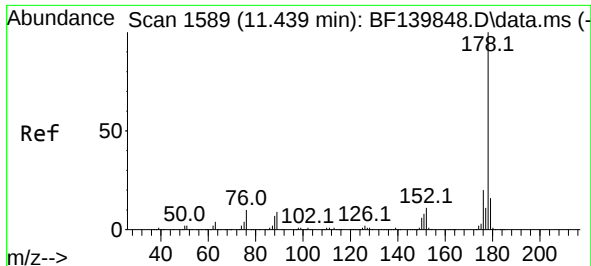
Tgt Ion:165 Resp: 37744
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 1.4 60.4 90.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion:188 Resp: 448826
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.5 9.0 13.4

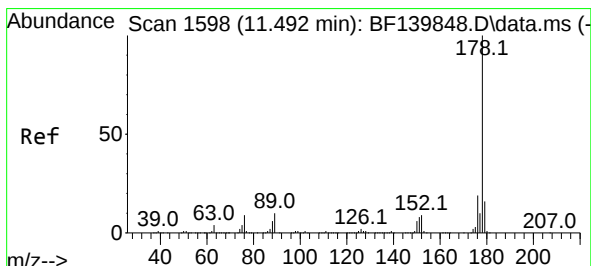
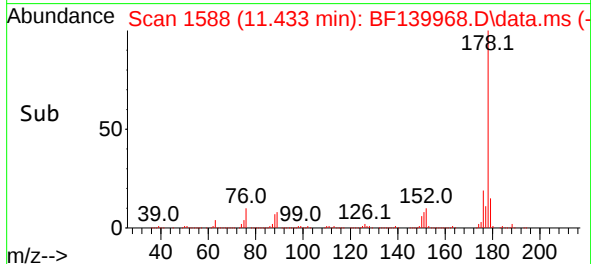
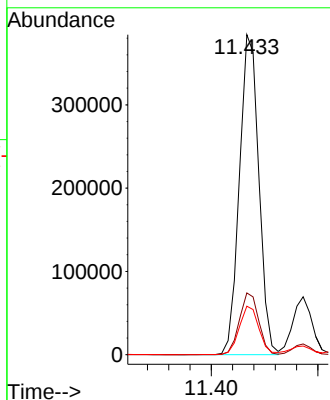
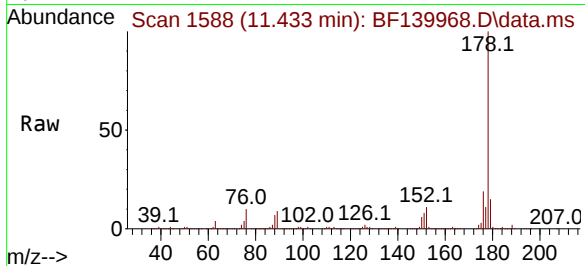




#71
Phenanthrene
Concen: 22.994 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

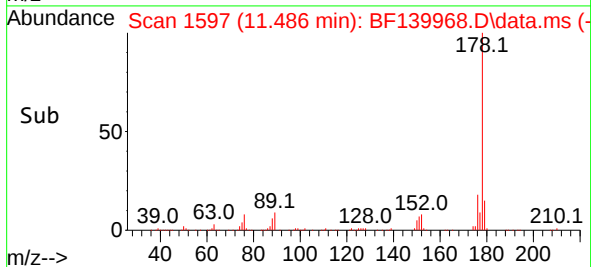
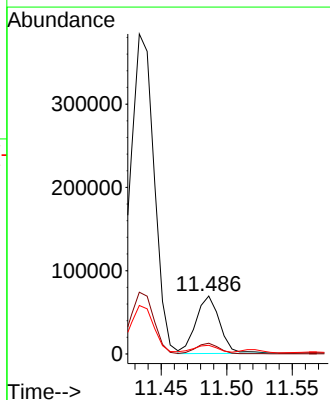
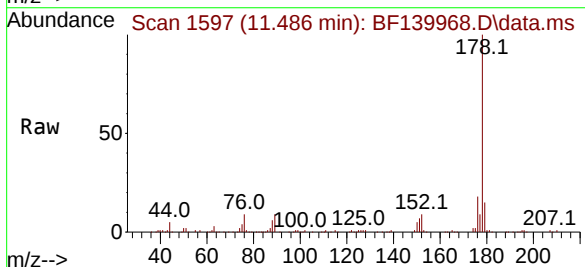
Instrument :
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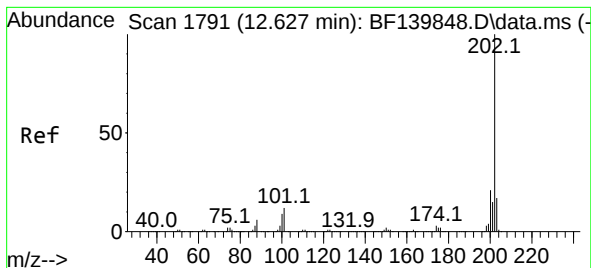
Tgt Ion:178 Resp: 487495
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.1 12.6 18.8



#72
Anthracene
Concen: 4.222 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion:178 Resp: 87338
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.9 12.4 18.6

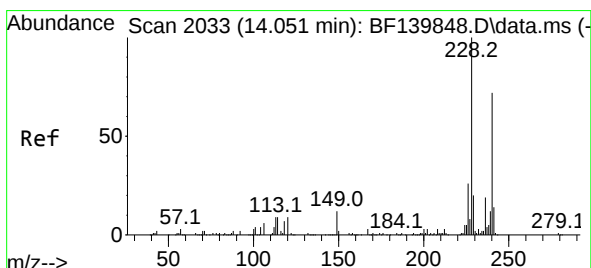
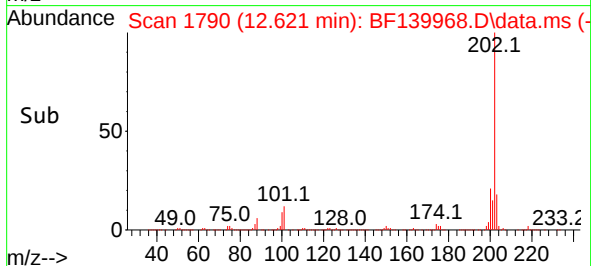
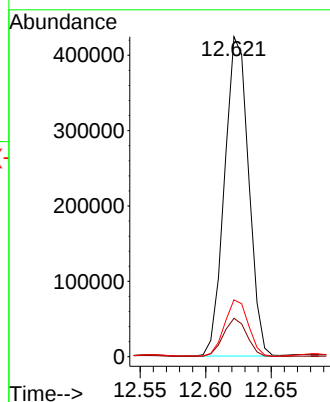
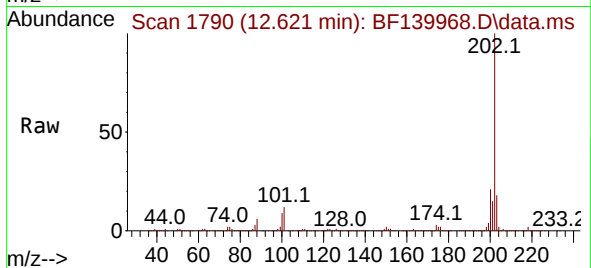




#75
Fluoranthene
Concen: 25.232 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

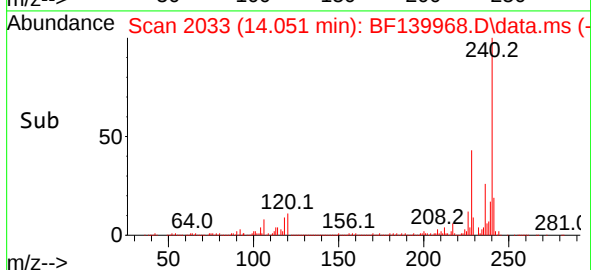
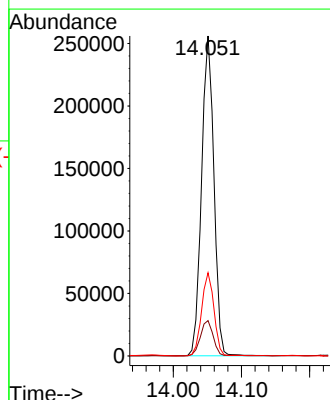
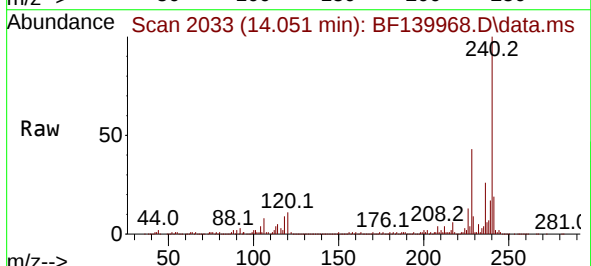
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL

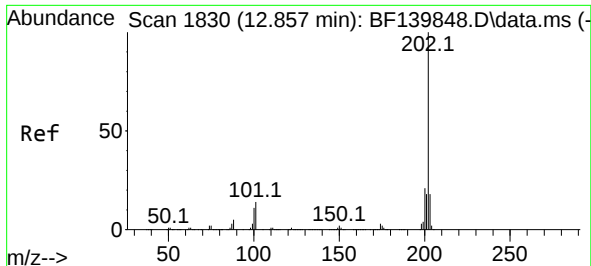
Tgt Ion:202 Resp: 540777
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.9
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion:240 Resp: 321776
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.0 20.9 31.3

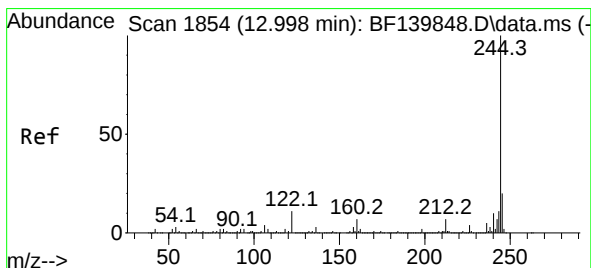
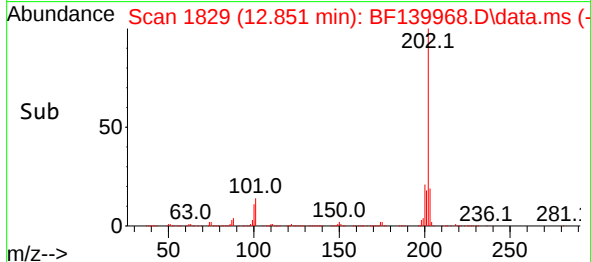
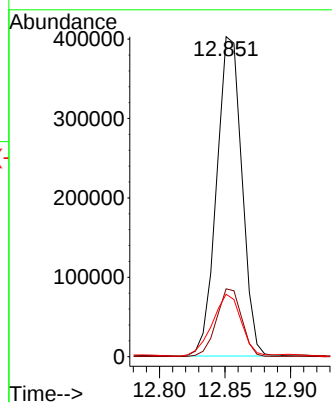
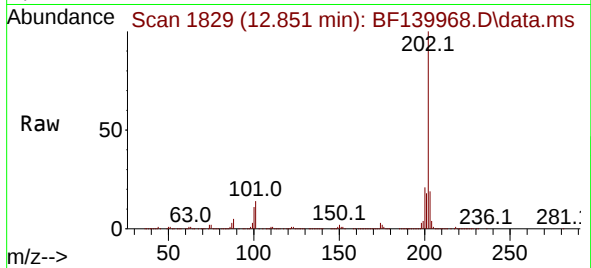




#78
Pyrene
Concen: 19.165 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

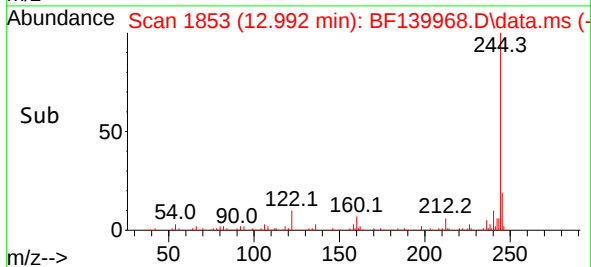
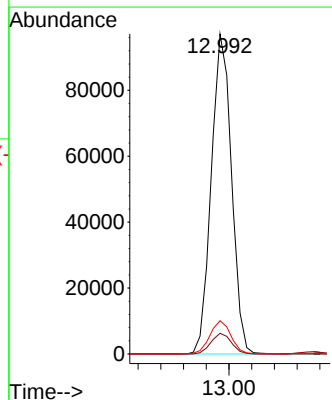
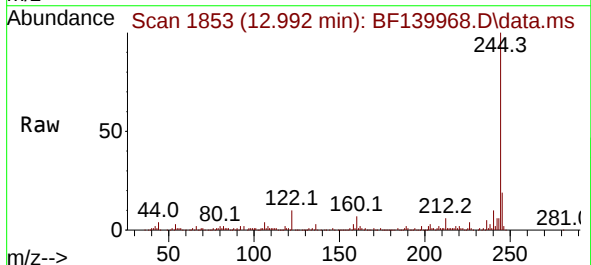
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL

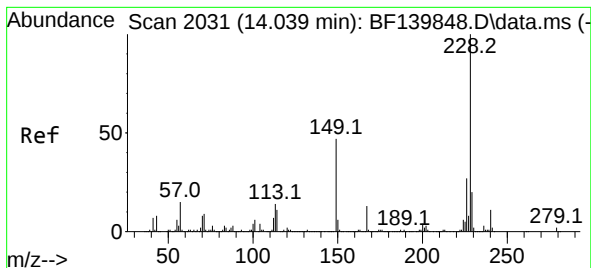
Tgt Ion:202 Resp: 539800
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 19.5 14.2 21.4



#79
Terphenyl-d14
Concen: 6.076 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion:244 Resp: 119979
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 10.4 8.6 13.0





#81

Benzo(a)anthracene

Concen: 13.781 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30DL

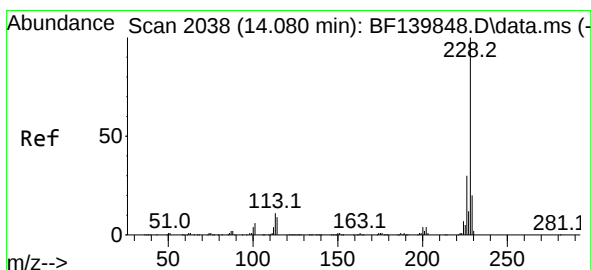
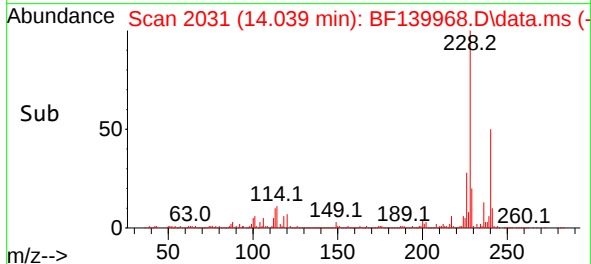
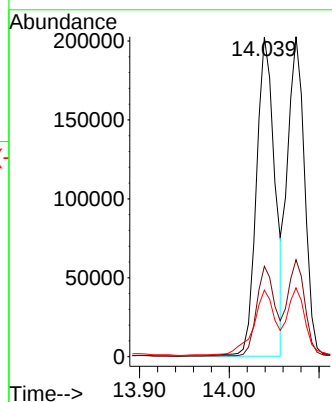
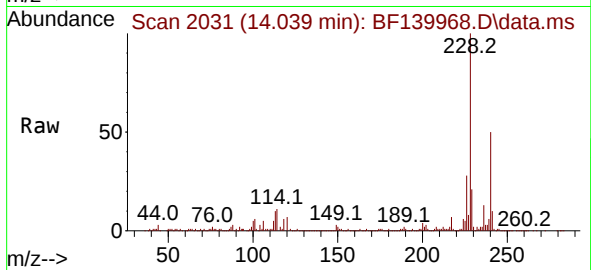
Tgt Ion:228 Resp: 288670

Ion Ratio Lower Upper

228 100

226 28.3 21.6 32.4

229 20.8 16.1 24.1



#83

Chrysene

Concen: 13.757 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

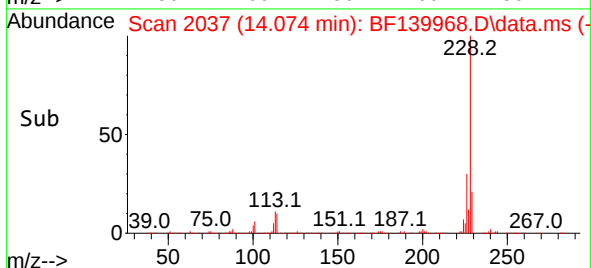
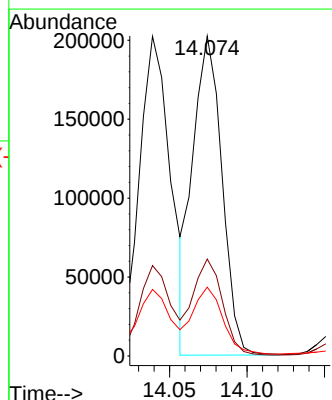
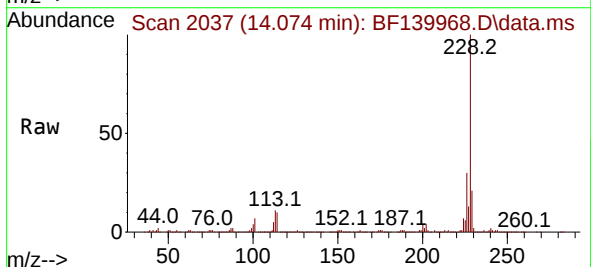
Tgt Ion:228 Resp: 264214

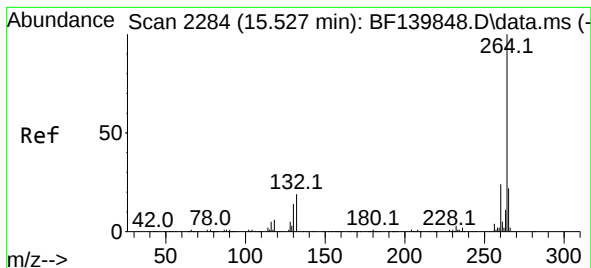
Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 21.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30DL

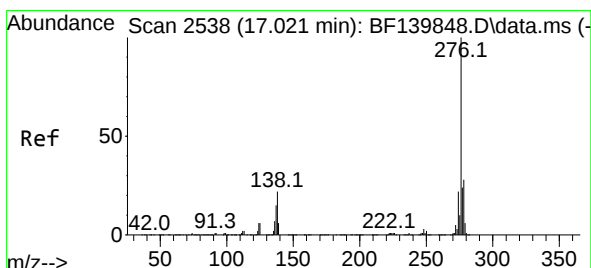
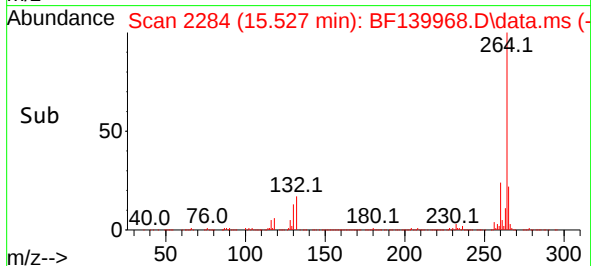
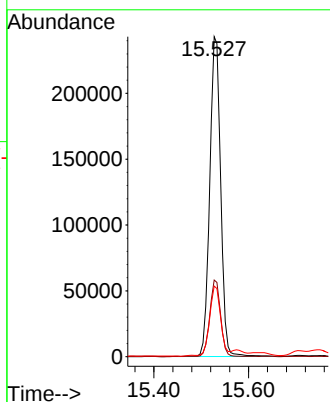
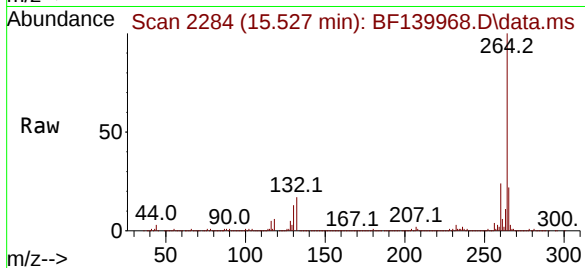
Tgt Ion:264 Resp: 388344

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 22.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.947 ng

RT: 17.015 min Scan# 2537

Delta R.T. -0.006 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

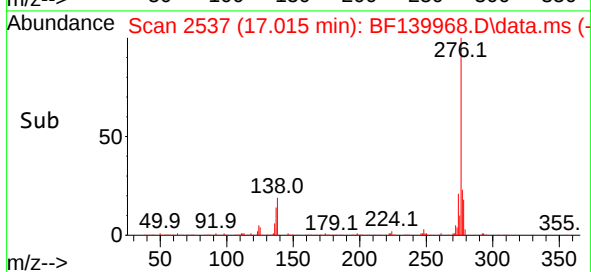
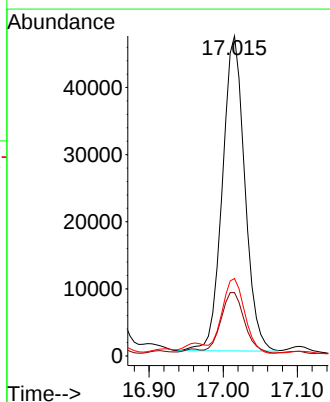
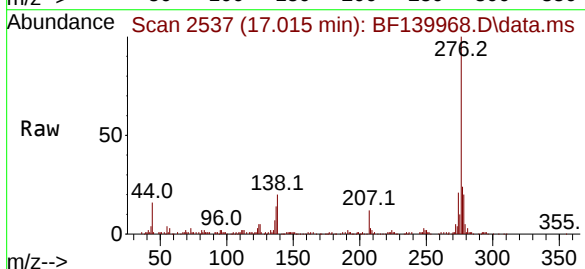
Tgt Ion:276 Resp: 98601

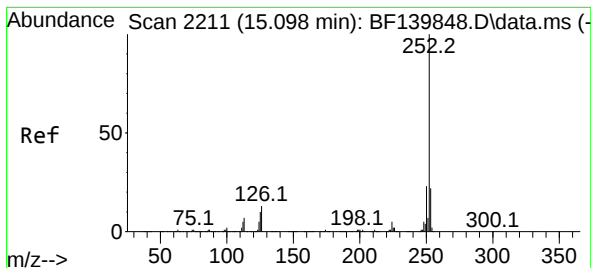
Ion Ratio Lower Upper

276 100

138 20.6 20.4 30.6

277 23.8 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 17.162 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30DL

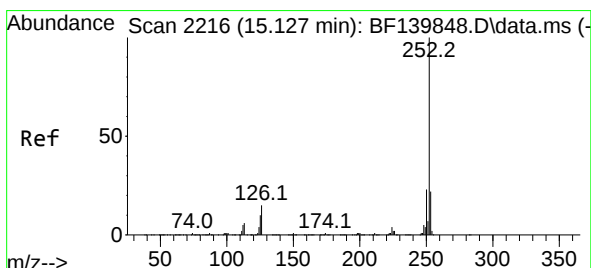
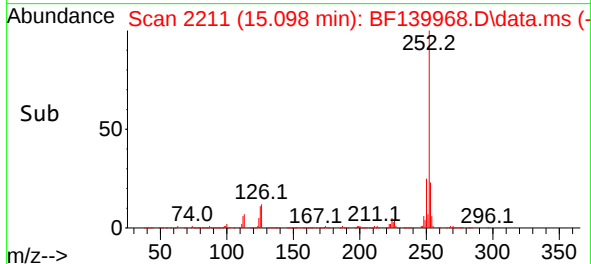
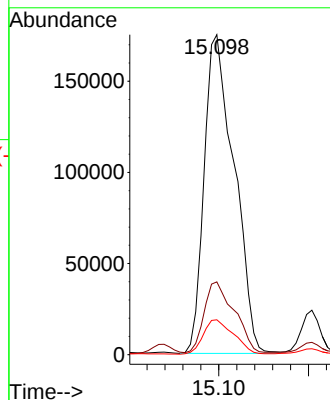
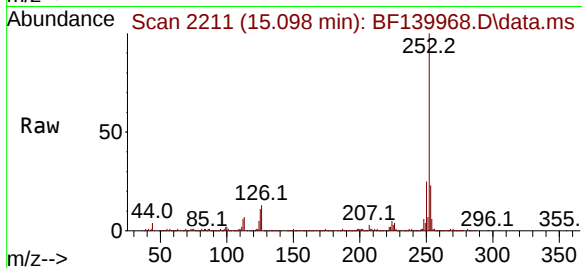
Tgt Ion:252 Resp: 405987

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 10.9 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 19.900 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.029 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

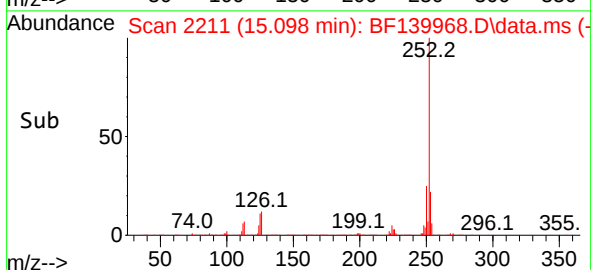
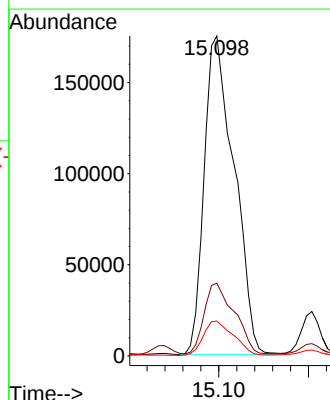
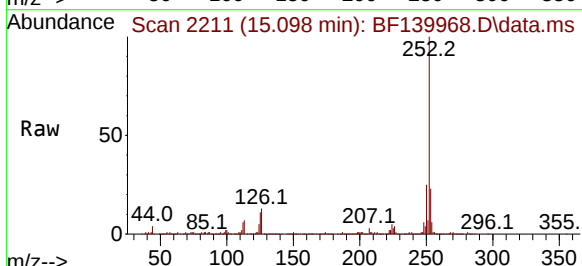
Tgt Ion:252 Resp: 405987

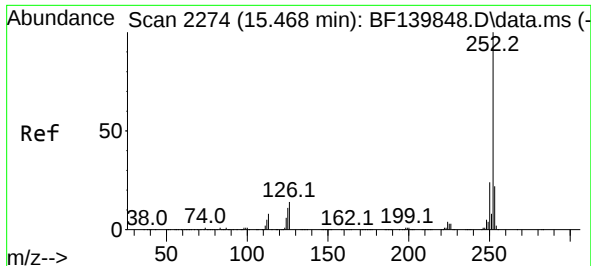
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 10.9 7.9 11.9

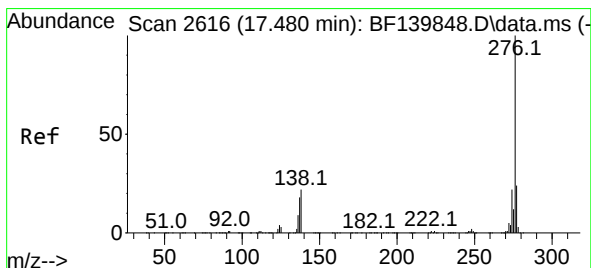
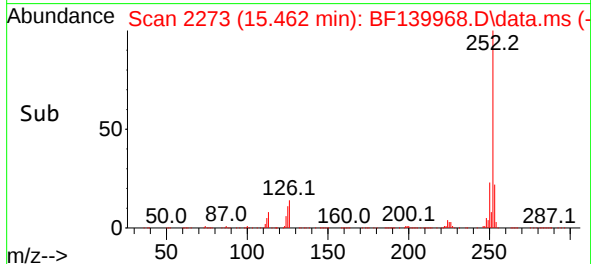
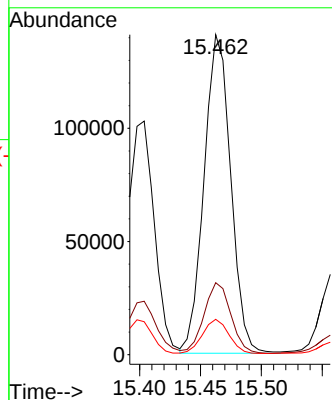
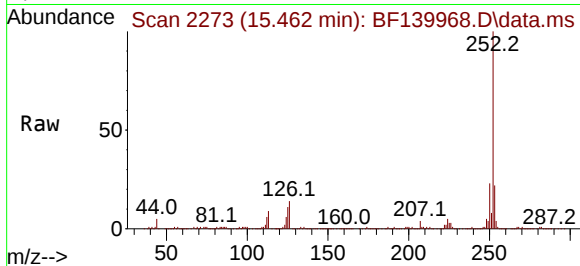




#90
Benzo(a)pyrene
Concen: 11.054 ng
RT: 15.462 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL

Tgt Ion:252 Resp: 215170
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 11.0 8.7 13.1



#92
Benzo(g,h,i)perylene
Concen: 4.081 ng
RT: 17.462 min Scan# 2613
Delta R.T. -0.018 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion:276 Resp: 84961
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 21.7 17.4 26.0

