

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082824\
 Data File : BF139207.D
 Acq On : 28 Aug 2024 14:20
 Operator : RC/JU
 Sample : P3767-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-5-COMPOSITE

Quant Time: Aug 28 14:50:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

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

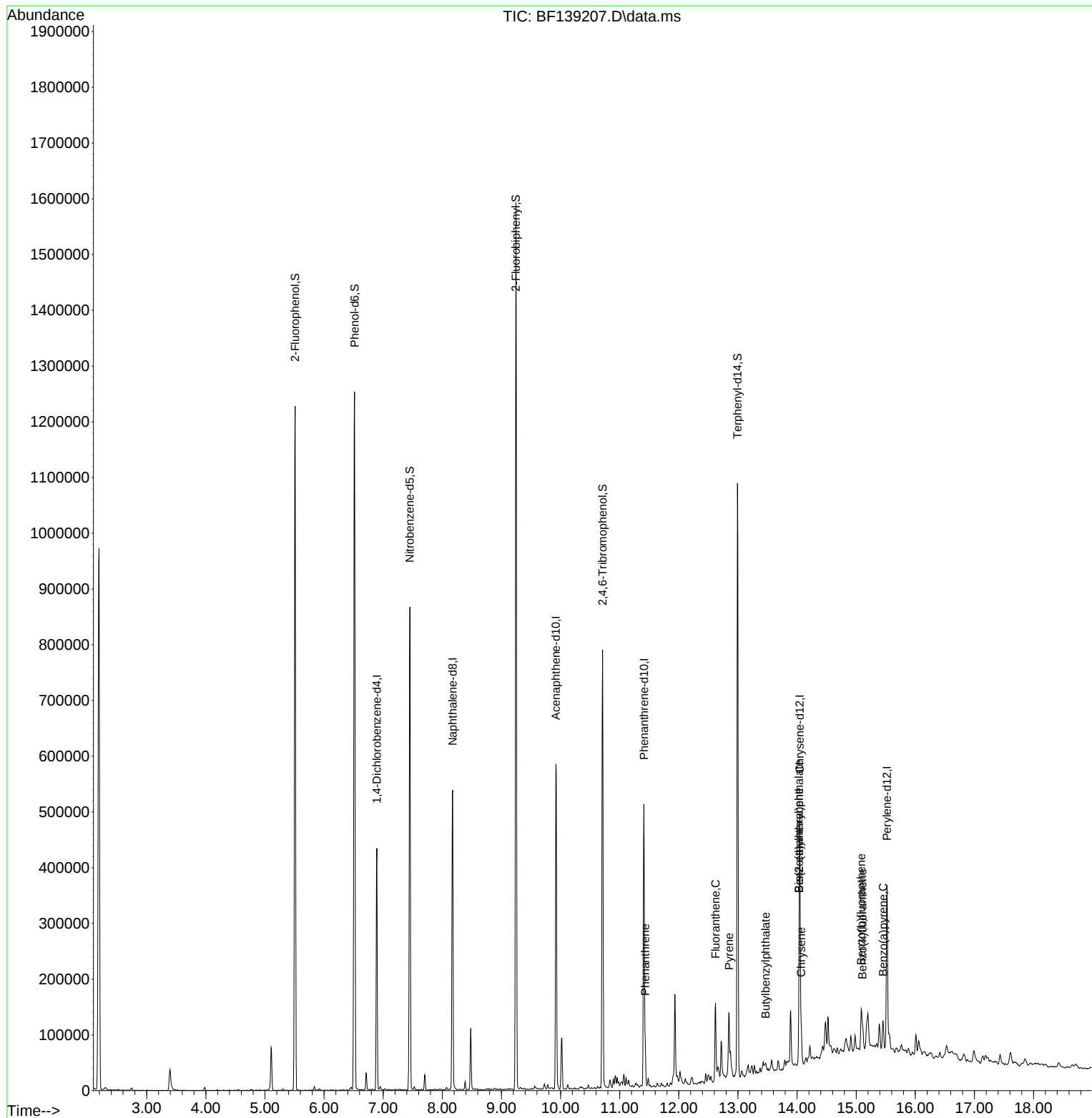
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	84219	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	318115	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	174944	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	254267	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175144	20.000	ng	0.00
86) Perylene-d12	15.521	264	168948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	420452	83.890	ng	0.00
7) Phenol-d6	6.516	99	563474	81.918	ng	0.00
23) Nitrobenzene-d5	7.451	82	383639	66.811	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	119107	79.494	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	652160	57.906	ng	0.00
79) Terphenyl-d14	12.992	244	506540	45.127	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	40832	3.178	ng	97
75) Fluoranthene	12.621	202	72095	5.782	ng	99
78) Pyrene	12.851	202	66990	4.072	ng	99
80) Butylbenzylphthalate	13.468	149	1968	5.005	ng	# 78
81) Benzo(a)anthracene	14.033	228	38706	3.335	ng	94
83) Chrysene	14.068	228	36288	3.467	ng	96
84) Bis(2-ethylhexyl)phtha...	14.033	149	8304	5.764	ng	98
88) Benzo(b)fluoranthene	15.086	252	46501m	4.705	ng	
89) Benzo(k)fluoranthene	15.104	252	18258m	2.043	ng	
90) Benzo(a)pyrene	15.457	252	29928	3.568	ng	96

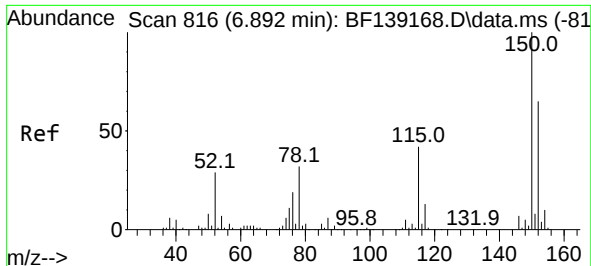
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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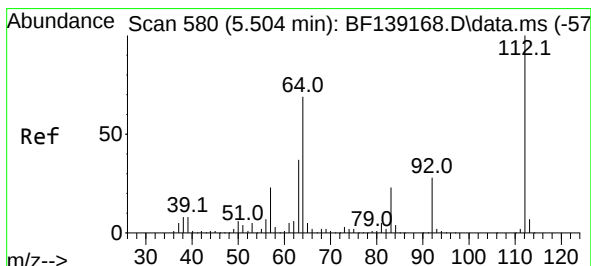
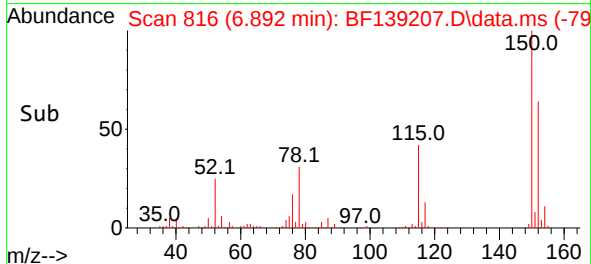
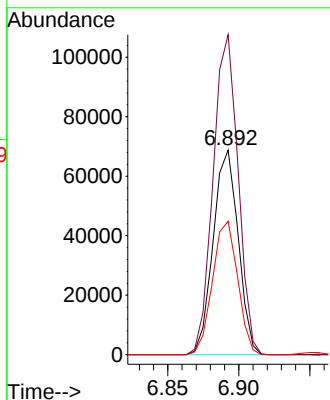
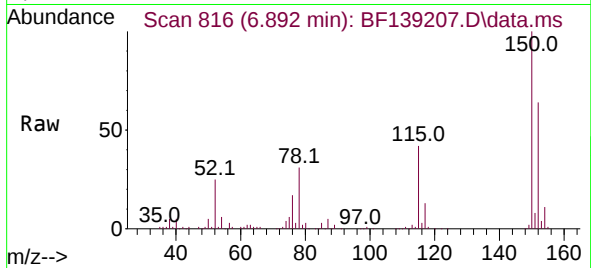




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

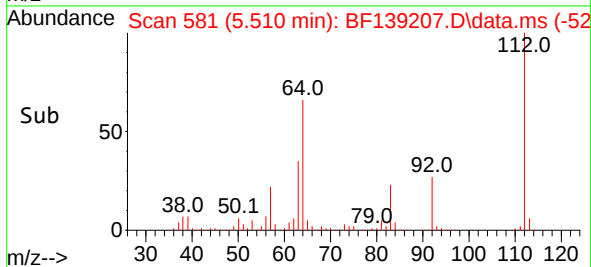
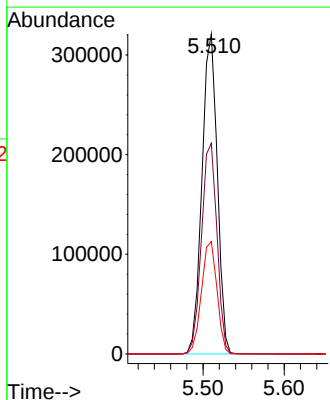
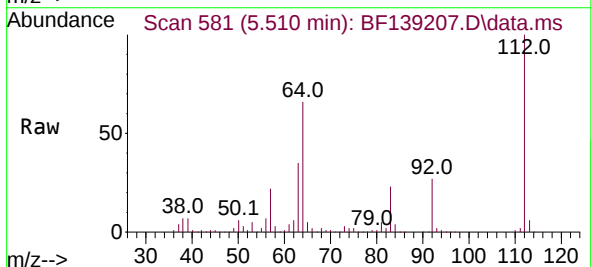
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

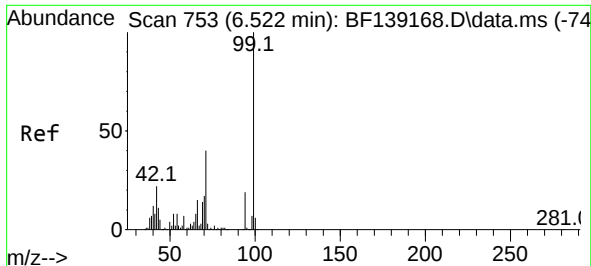
Tgt Ion:152 Resp: 84219
Ion Ratio Lower Upper
152 100
150 156.4 123.7 185.5
115 65.2 51.8 77.8



#5
2-Fluorophenol
Concen: 83.890 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:112 Resp: 420452
Ion Ratio Lower Upper
112 100
64 65.9 55.5 83.3
63 35.2 29.8 44.6

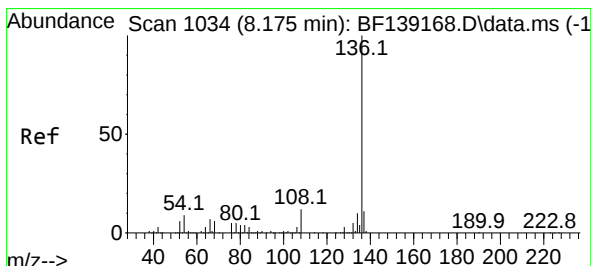
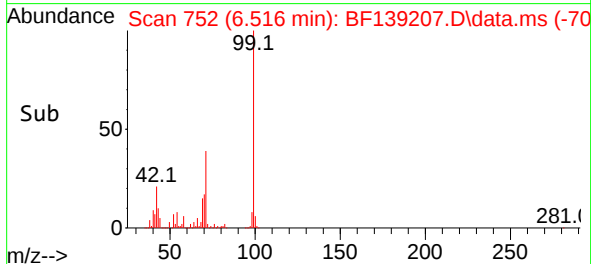
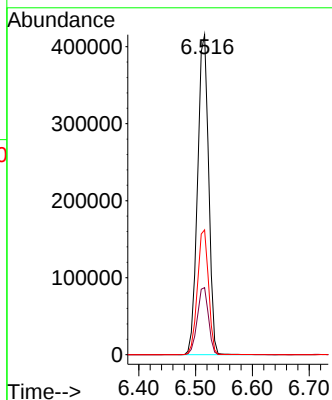
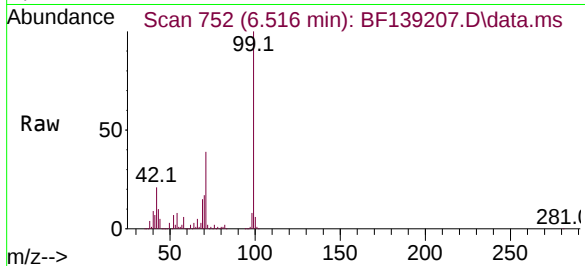




#7
Phenol-d6
Concen: 81.918 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

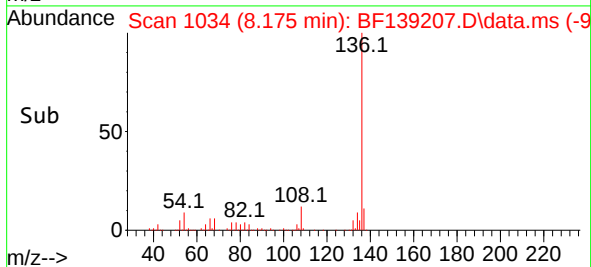
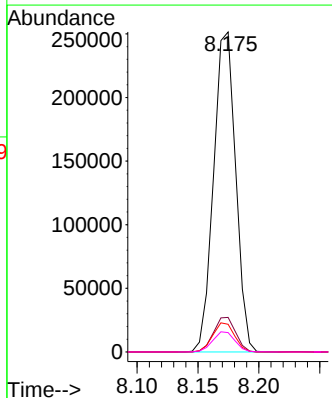
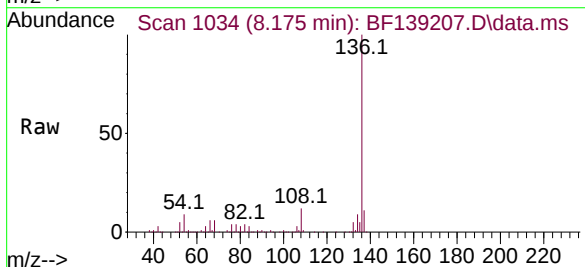
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

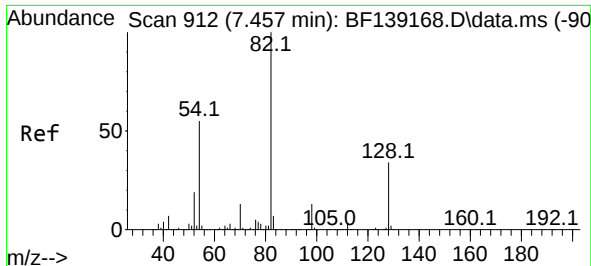
Tgt Ion: 99 Resp: 563474
Ion Ratio Lower Upper
99 100
42 20.9 17.9 26.9
71 39.0 31.7 47.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion: 136 Resp: 318115
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.6 7.6 11.4
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 66.811 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

P-5-COMPOSITE

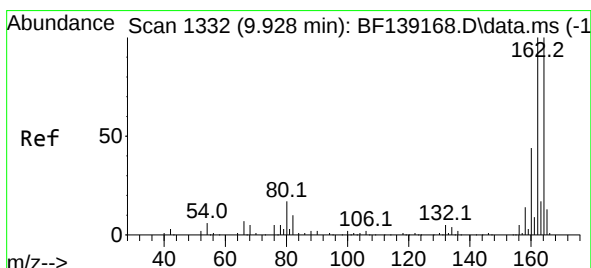
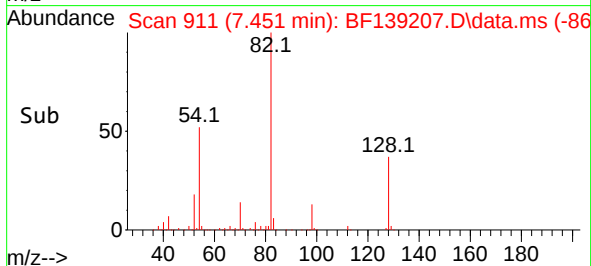
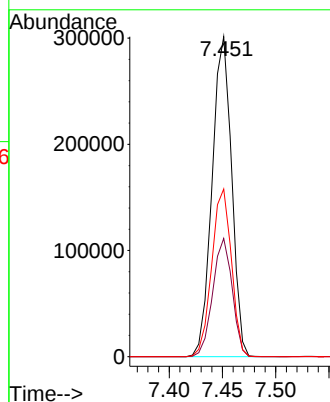
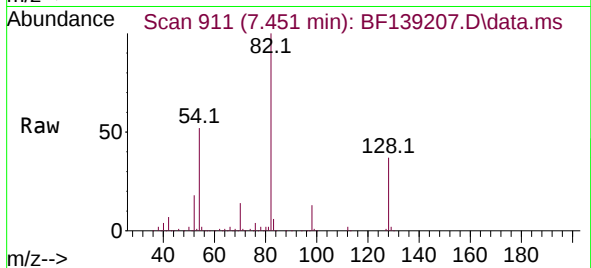
Tgt Ion: 82 Resp: 383639

Ion Ratio Lower Upper

82 100

128 37.0 27.1 40.7

54 52.4 44.2 66.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

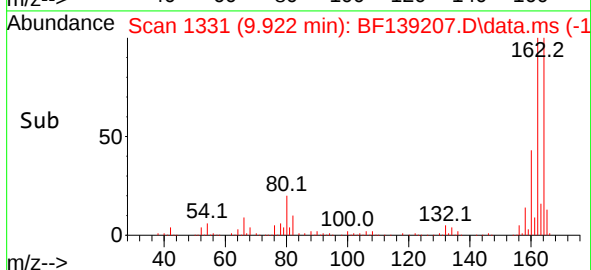
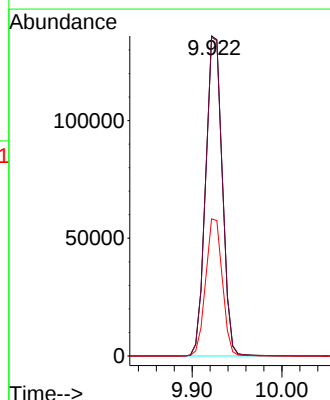
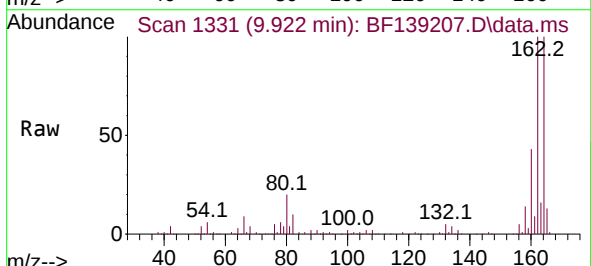
Tgt Ion: 164 Resp: 174944

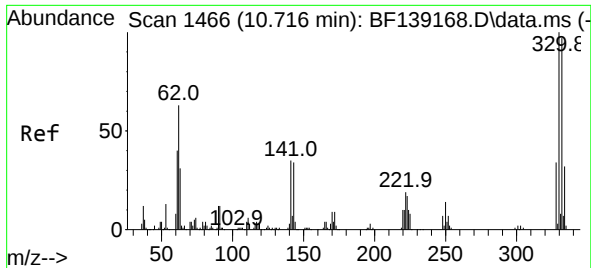
Ion Ratio Lower Upper

164 100

162 99.6 80.0 120.0

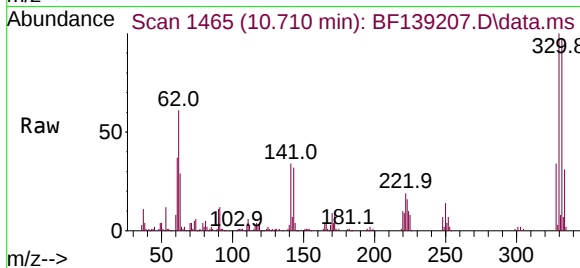
160 42.8 35.0 52.6



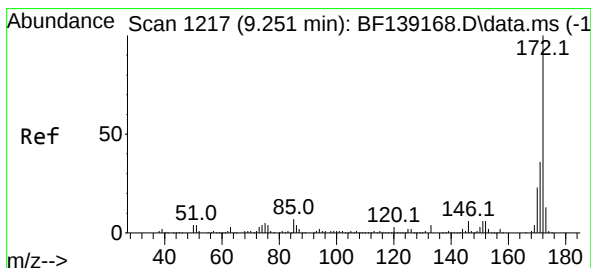
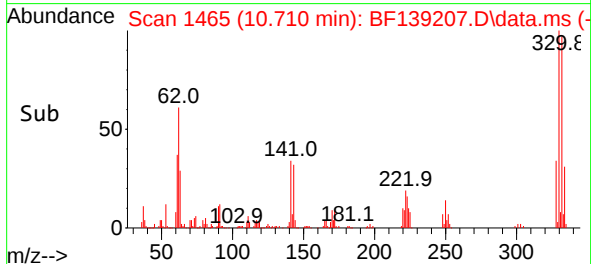
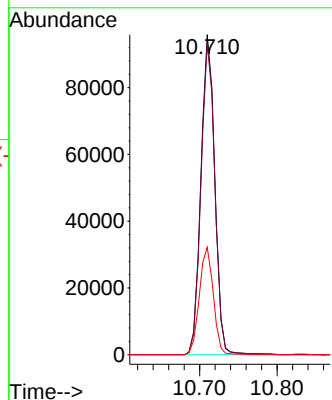


#42
2,4,6-Tribromophenol
Concen: 79.494 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

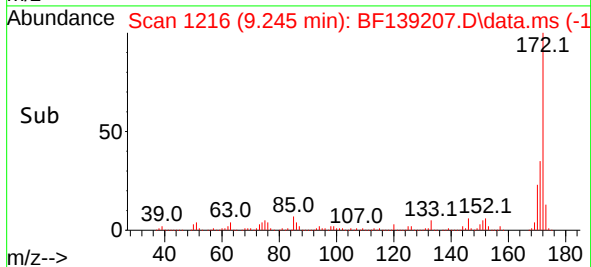
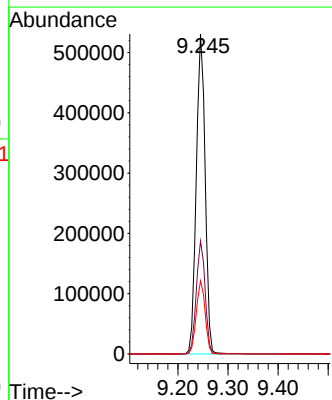
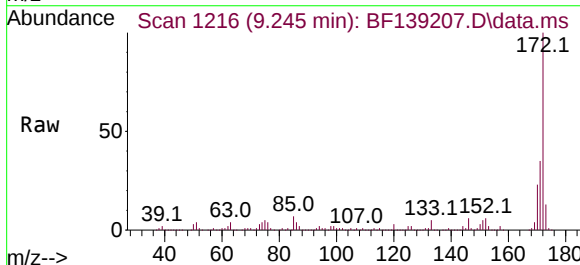


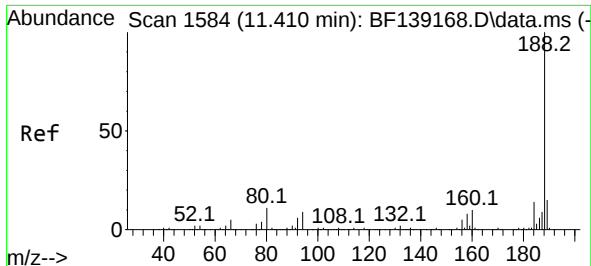
Tgt Ion:330 Resp: 119107
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 33.7 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 57.906 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:172 Resp: 652160
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 22.9 18.8 28.2

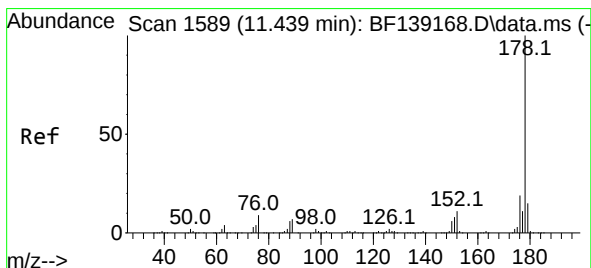
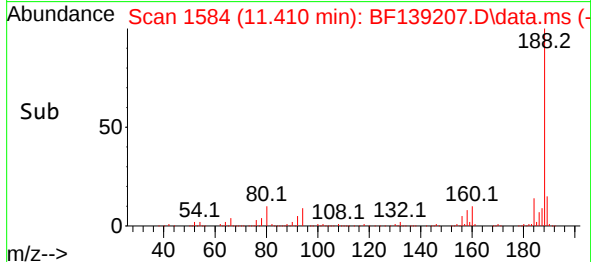
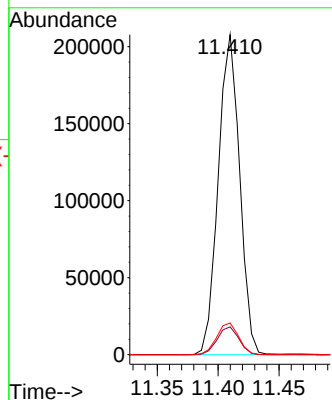
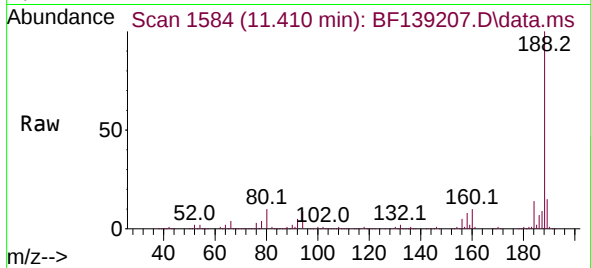




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

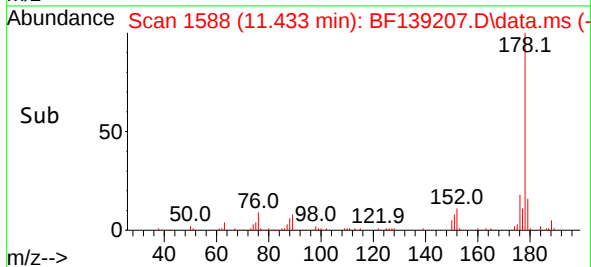
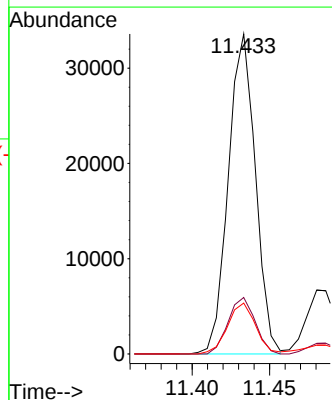
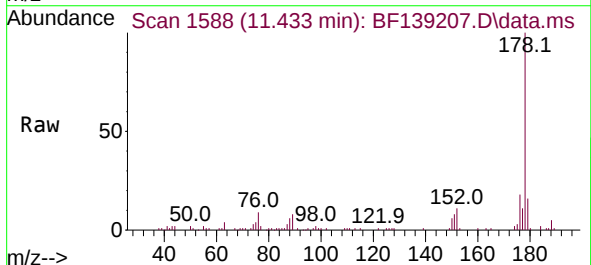
Instrument :
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ClientSampleId :
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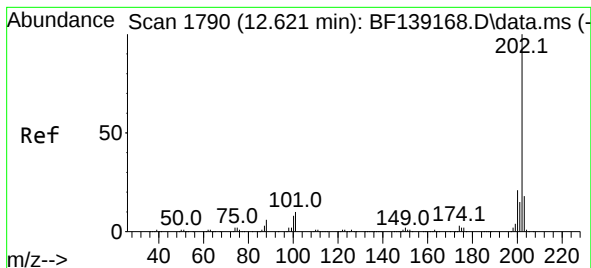
Tgt Ion:188 Resp: 254267
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.9 8.9 13.3



#71
Phenanthrene
Concen: 3.178 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:178 Resp: 40832
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 15.9 12.2 18.4





#75

Fluoranthene

Concen: 5.782 ng

RT: 12.621 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

P-5-COMPOSITE

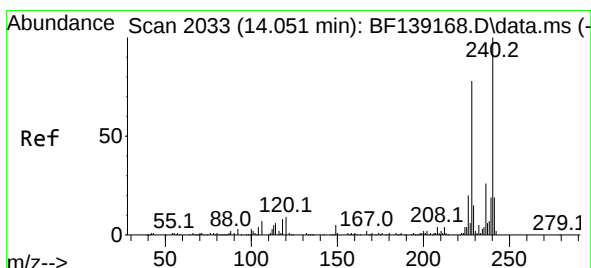
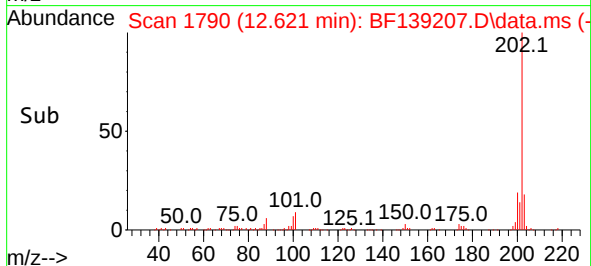
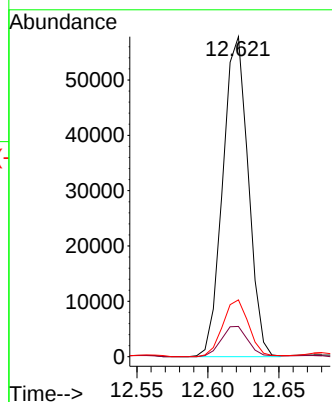
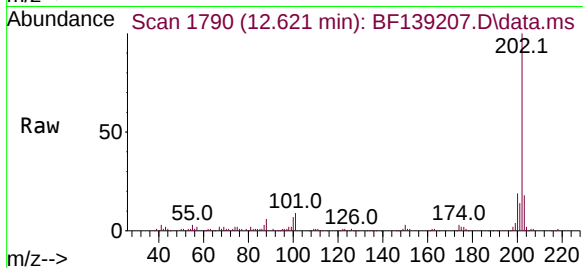
Tgt Ion:202 Resp: 72095

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.1

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

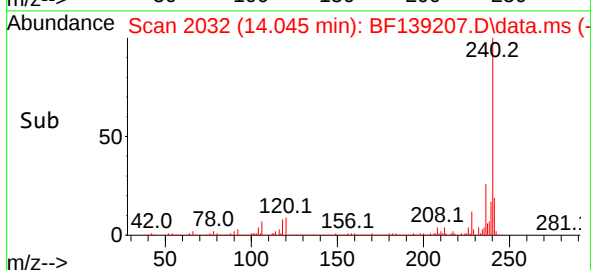
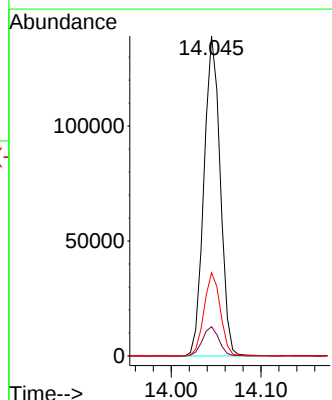
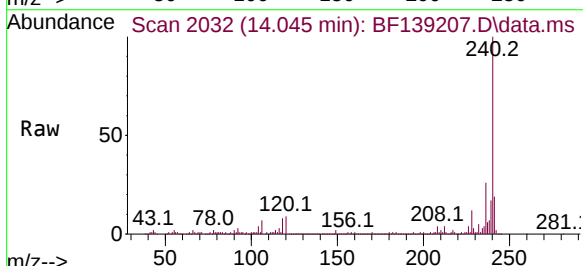
Tgt Ion:240 Resp: 175144

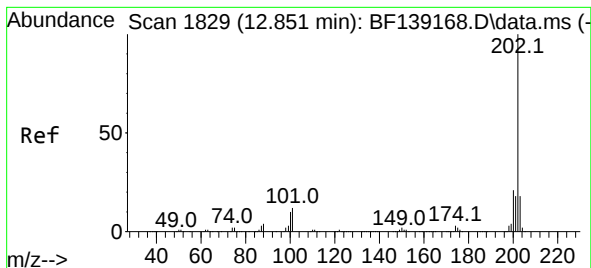
Ion Ratio Lower Upper

240 100

120 9.2 6.9 10.3

236 26.0 20.9 31.3





#78

Pyrene

Concen: 4.072 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

P-5-COMPOSITE

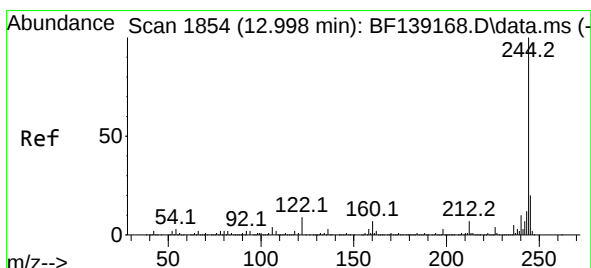
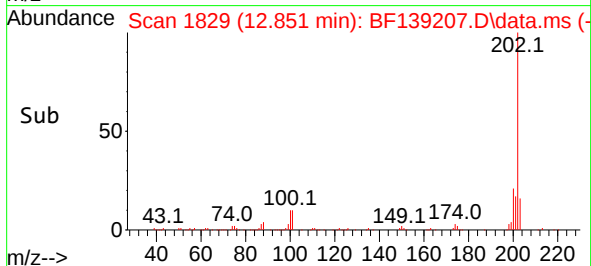
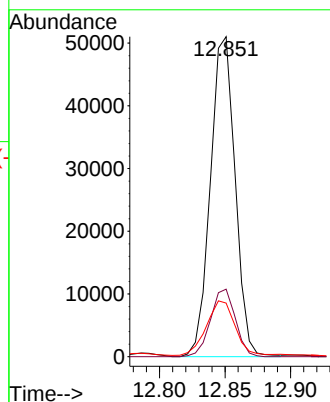
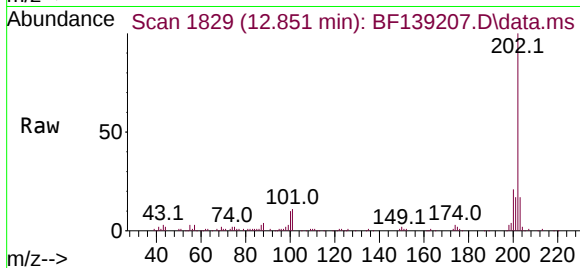
Tgt Ion:202 Resp: 66990

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 16.7 14.1 21.1



#79

Terphenyl-d14

Concen: 45.127 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

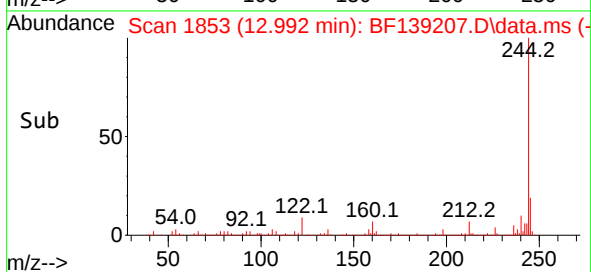
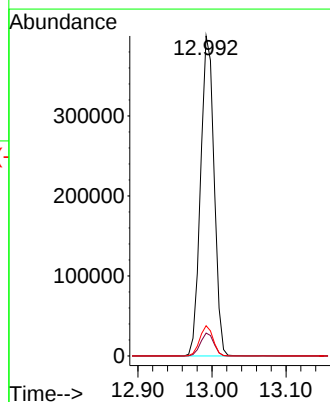
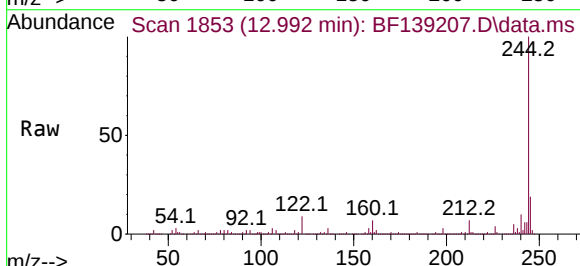
Tgt Ion:244 Resp: 506540

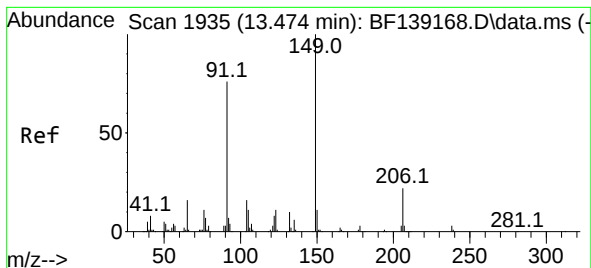
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.5 7.6 11.4





#80

Butylbenzylphthalate

Concen: 5.005 ng

RT: 13.468 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

P-5-COMPOSITE

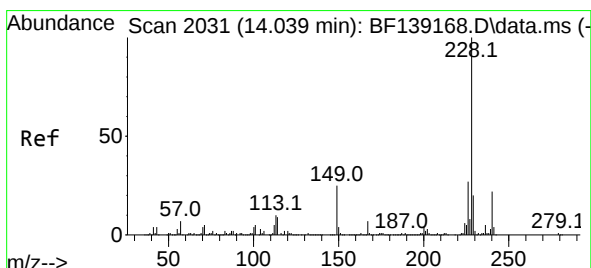
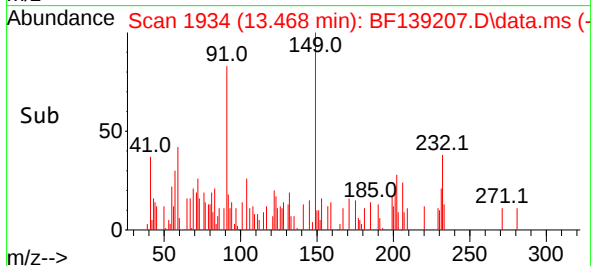
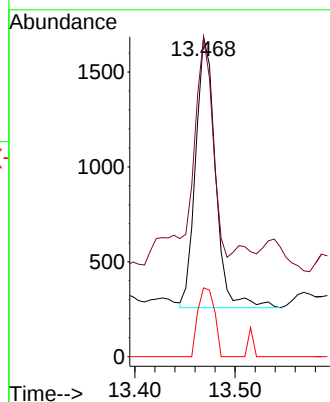
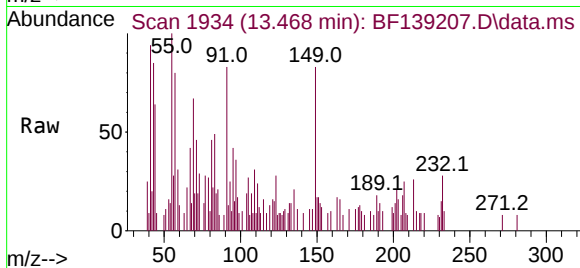
Tgt Ion:149 Resp: 1968

Ion Ratio Lower Upper

149 100

91 99.7 60.9 91.3#

206 21.5 17.7 26.5



#81

Benzo(a)anthracene

Concen: 3.335 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

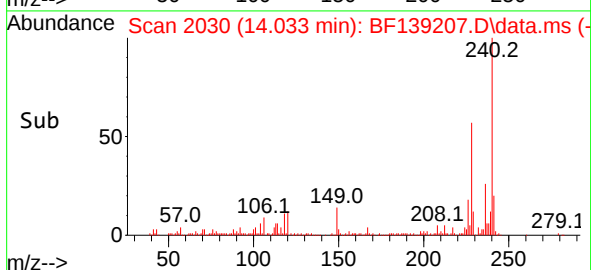
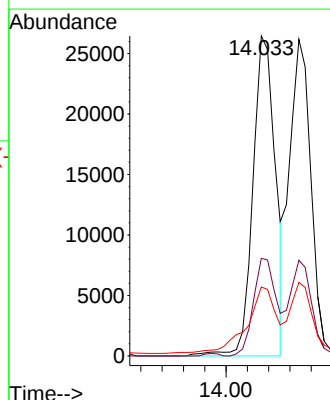
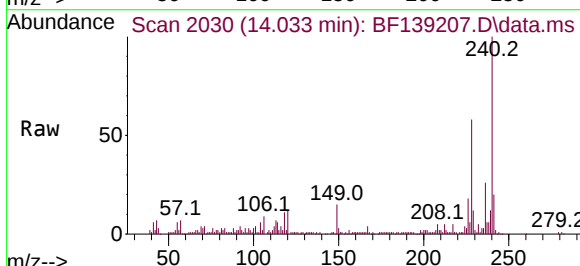
Tgt Ion:228 Resp: 38706

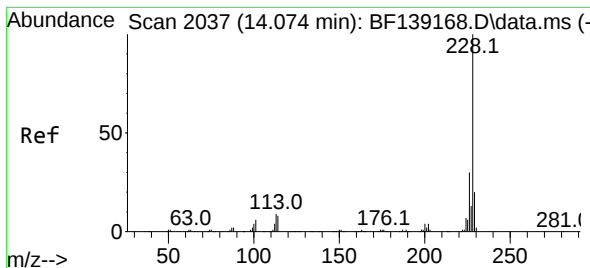
Ion Ratio Lower Upper

228 100

226 30.5 21.4 32.2

229 21.6 15.7 23.5





#83

Chrysene

Concen: 3.467 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

P-5-COMPOSITE

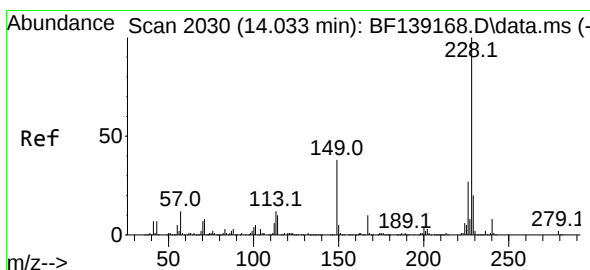
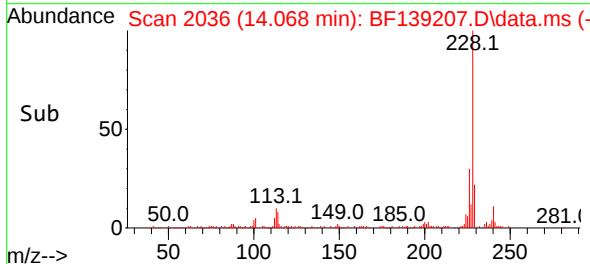
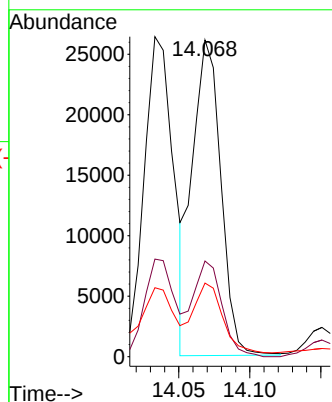
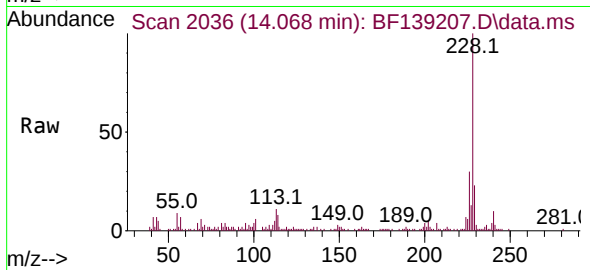
Tgt Ion:228 Resp: 36288

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

229 23.3 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.764 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

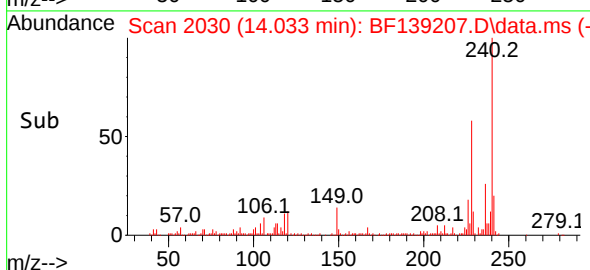
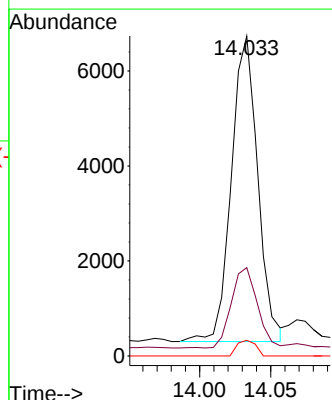
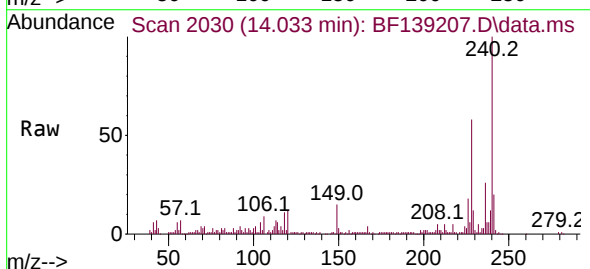
Tgt Ion:149 Resp: 8304

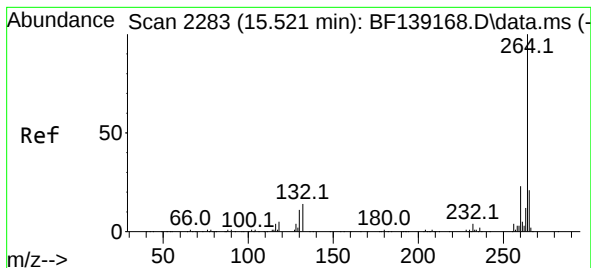
Ion Ratio Lower Upper

149 100

167 27.6 21.3 31.9

279 4.9 3.4 5.0

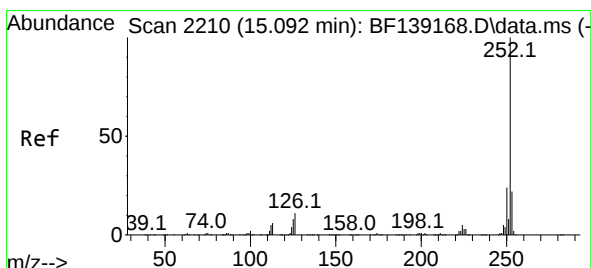
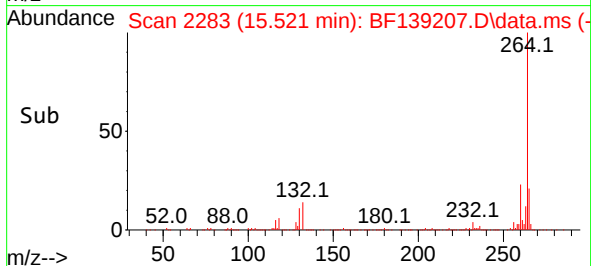
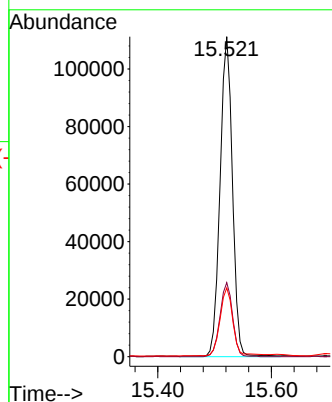
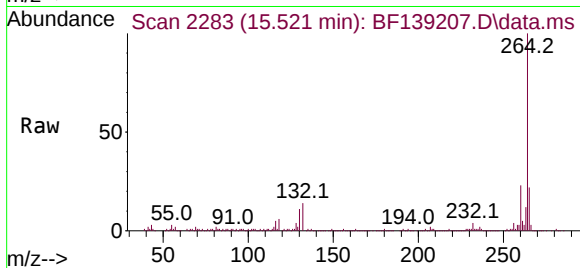




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

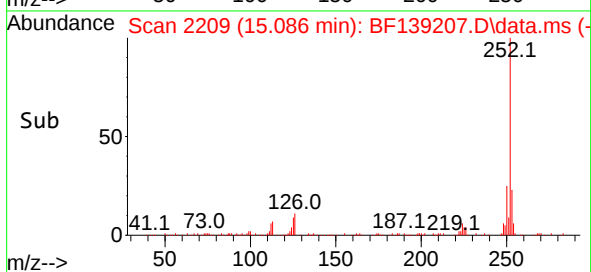
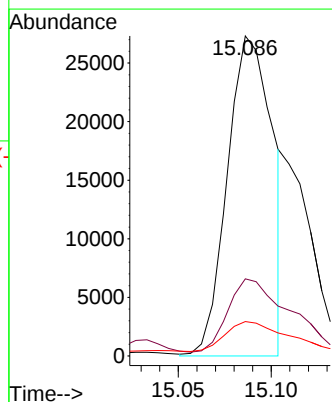
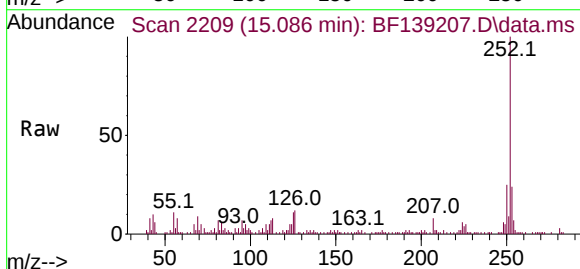
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

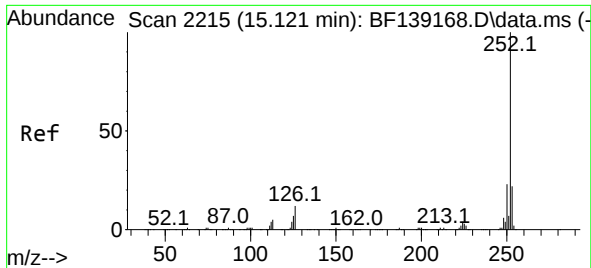
Tgt Ion:264 Resp: 168948
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 21.5 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 4.705 ng m
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:252 Resp: 46501
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 10.8 6.7 10.1#

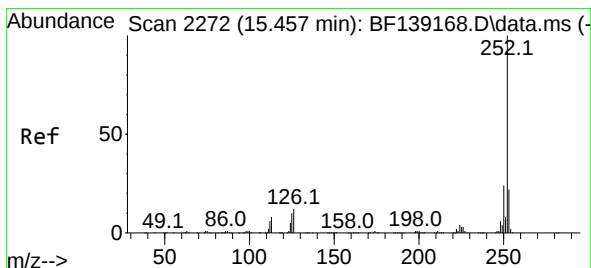
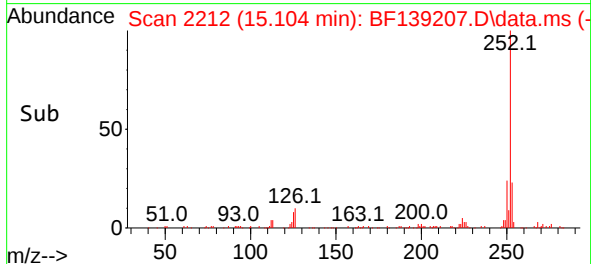
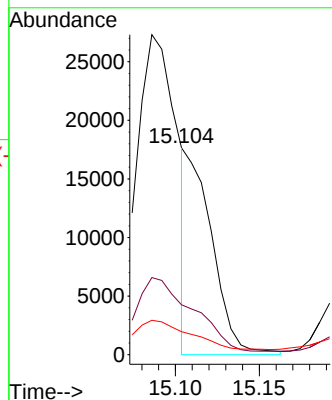
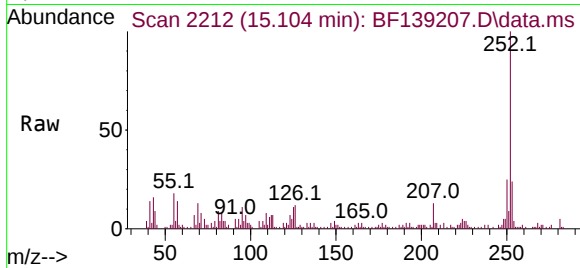




#89
Benzo(k)fluoranthene
Concen: 2.043 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

Tgt Ion:252 Resp: 18258
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 11.1 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 3.568 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:252 Resp: 29928
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 10.8 7.8 11.6

