

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140802.D
 Acq On : 10 Dec 2024 13:13
 Operator : RC/JU
 Sample : P5175-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-12062024

Quant Time: Dec 10 14:35:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

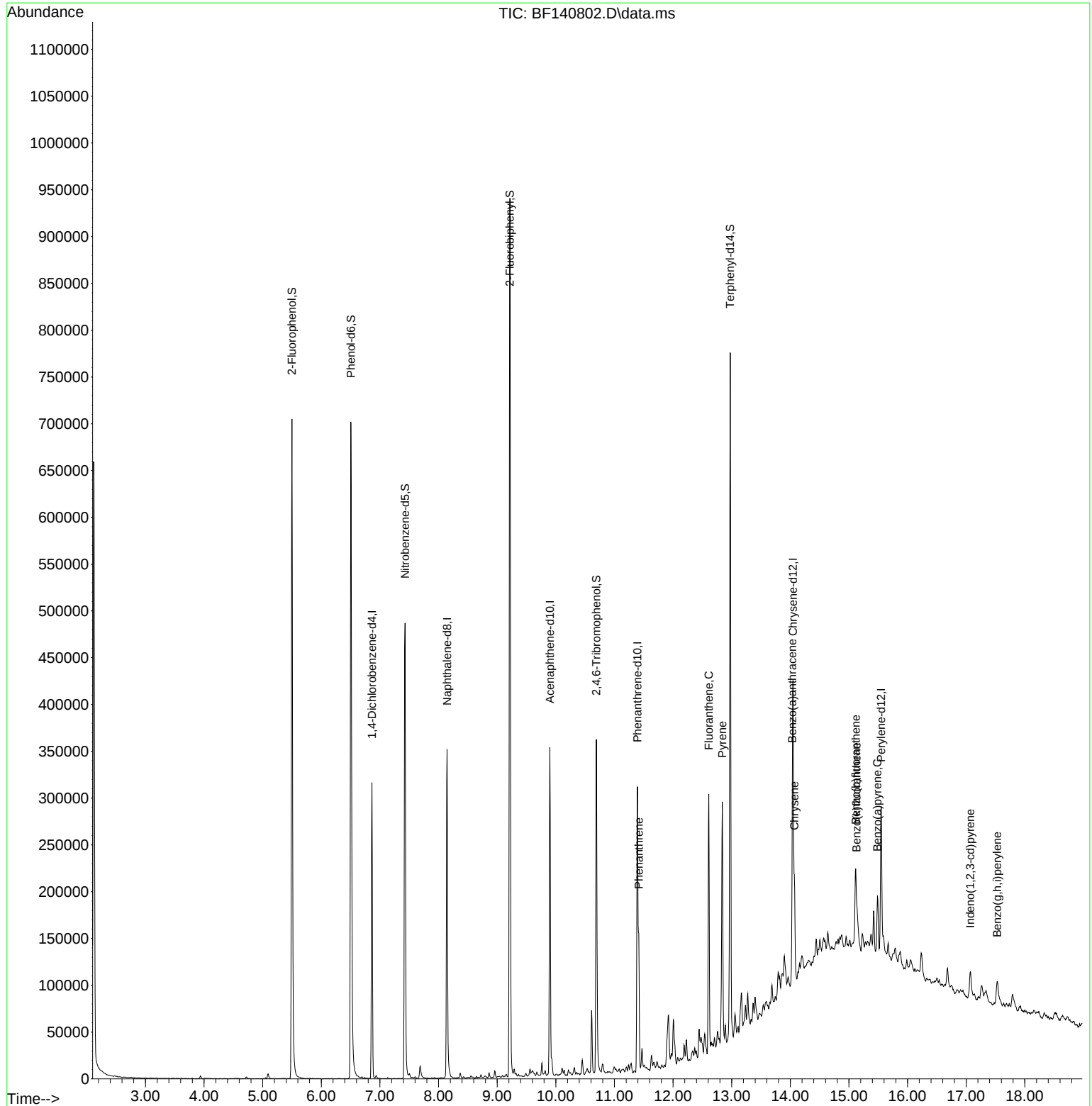
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	67796	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	232540	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	104409	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	164222	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	127054	20.000	ng	0.00
86) Perylene-d12	15.551	264	89066	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	289978	72.978	ng	0.00
7) Phenol-d6	6.504	99	371912	70.799	ng	-0.01
23) Nitrobenzene-d5	7.428	82	237430	52.226	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	64547	57.804	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	418238	59.684	ng	-0.02
79) Terphenyl-d14	12.975	244	351500	43.079	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	76759	9.724	ng	99
75) Fluoranthene	12.610	202	158400	18.481	ng	99
78) Pyrene	12.839	202	147225	12.532	ng	98
81) Benzo(a)anthracene	14.033	228	59367	7.059	ng	94
83) Chrysene	14.069	228	58792	7.645	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	20524	3.536	ng	98
88) Benzo(b)fluoranthene	15.116	252	51717m	9.244	ng	
89) Benzo(k)fluoranthene	15.127	252	22356m	4.567	ng	
90) Benzo(a)pyrene	15.486	252	36172	7.952	ng	# 94
92) Benzo(g,h,i)perylene	17.527	276	23758	4.898	ng	96

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

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Misc :
ALS Vial : 9 Sample Multiplier: 1

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OK-01-12062024

Quant Time: Dec 10 14:35:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

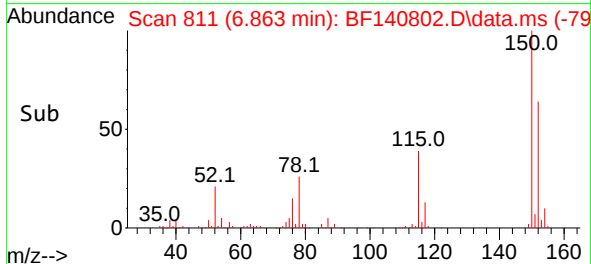
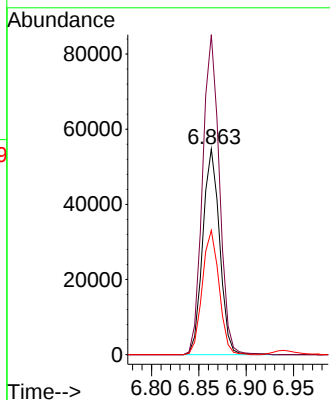
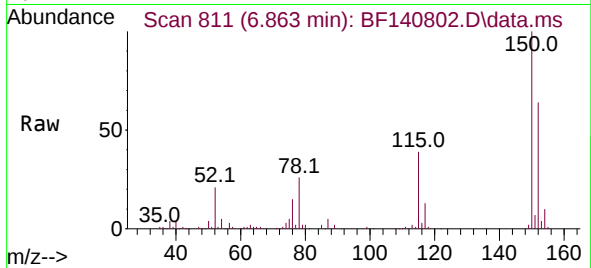




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

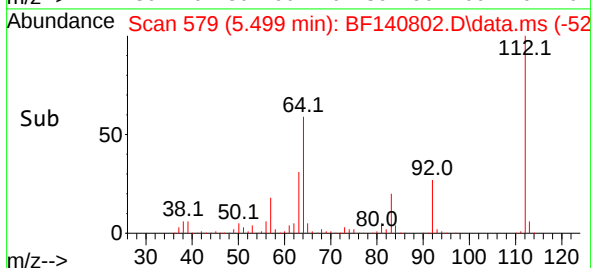
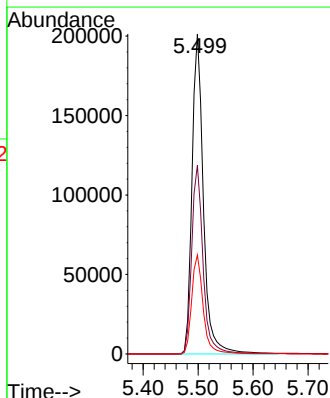
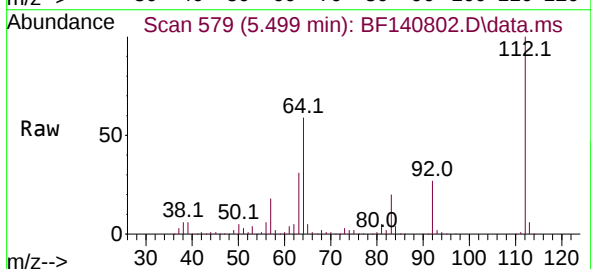
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

Tgt Ion:152 Resp: 67796
Ion Ratio Lower Upper
152 100
150 155.5 128.5 192.7
115 60.4 50.2 75.4



#5
2-Fluorophenol
Concen: 72.978 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

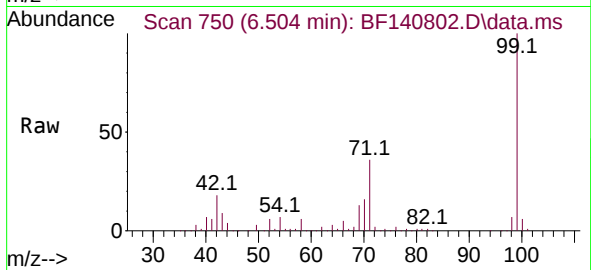
Tgt Ion:112 Resp: 289978
Ion Ratio Lower Upper
112 100
64 59.0 49.2 73.8
63 31.0 27.0 40.4



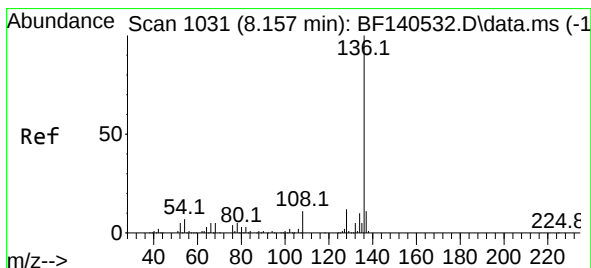
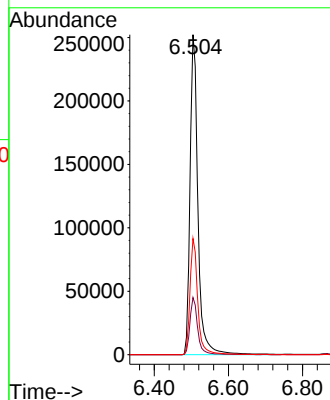
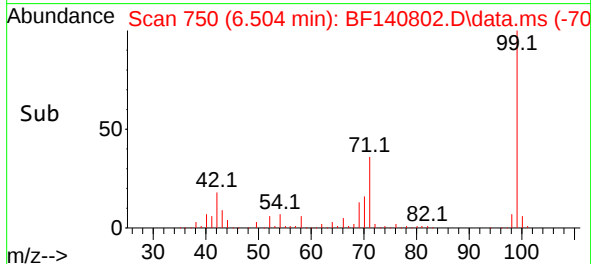


#7
Phenol-d6
Concen: 70.799 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

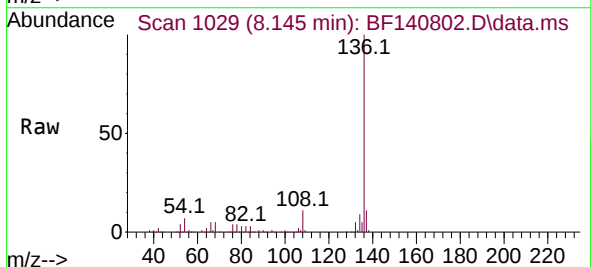
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024



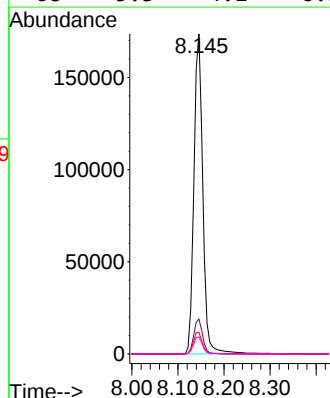
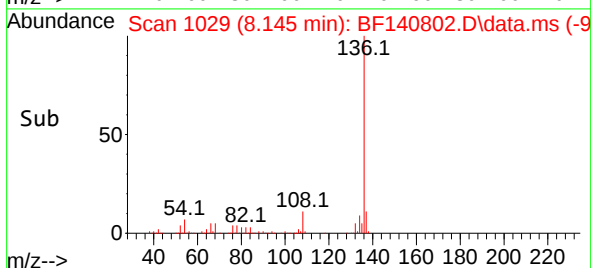
Tgt Ion: 99 Resp: 371912
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.3 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13



Tgt Ion: 136 Resp: 232540
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 6.7 5.8 8.8
68 5.3 4.1 6.1

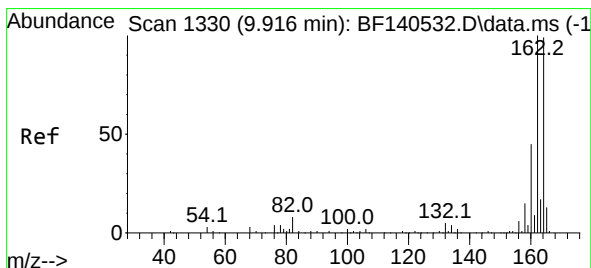
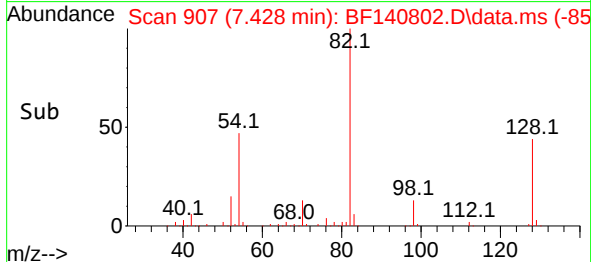
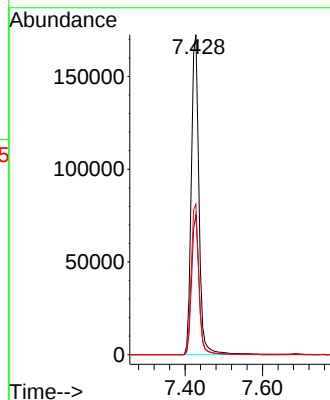
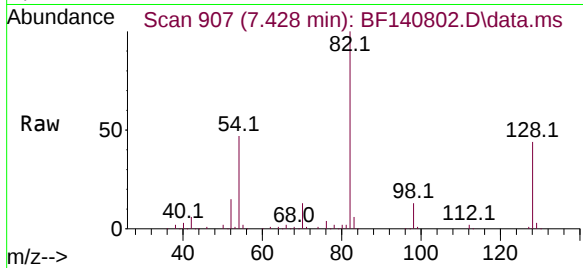




#23
 Nitrobenzene-d5
 Concen: 52.226 ng
 RT: 7.428 min Scan# 909
 Delta R.T. -0.012 min
 Lab File: BF140802.D
 Acq: 10 Dec 2024 13:13

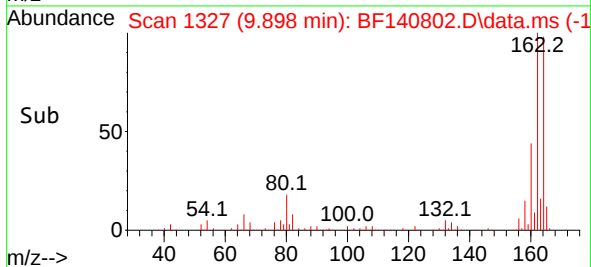
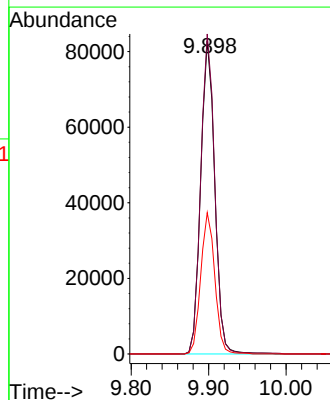
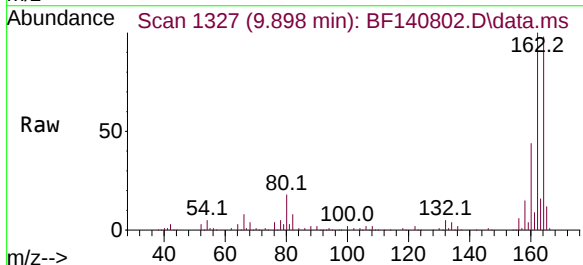
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-12062024

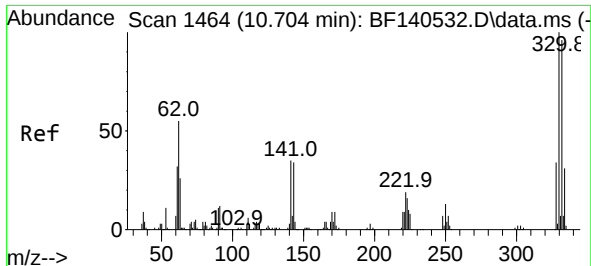
Tgt Ion: 82 Resp: 237430
 Ion Ratio Lower Upper
 82 100
 128 43.6 33.0 49.4
 54 47.0 39.5 59.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.898 min Scan# 1327
 Delta R.T. -0.018 min
 Lab File: BF140802.D
 Acq: 10 Dec 2024 13:13

Tgt Ion:164 Resp: 104409
 Ion Ratio Lower Upper
 164 100
 162 102.2 80.6 120.8
 160 45.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 57.804 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF140802.D

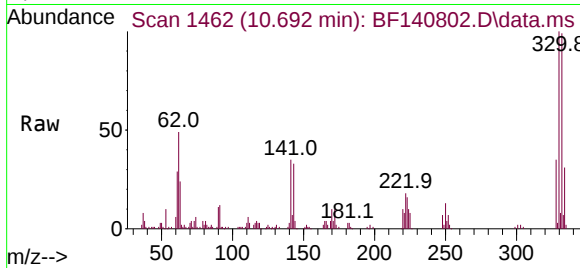
Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024



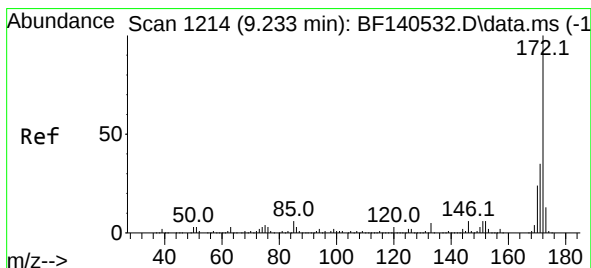
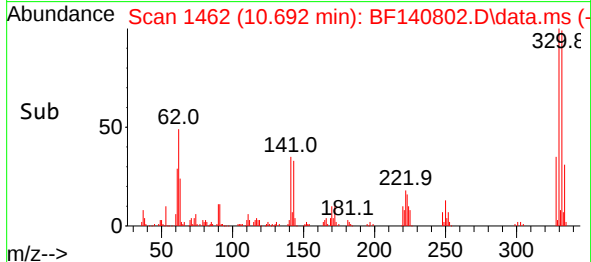
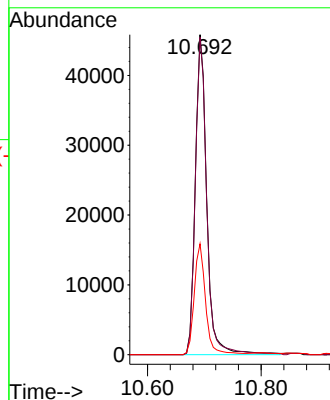
Tgt Ion:330 Resp: 64547

Ion Ratio Lower Upper

330 100

332 98.8 76.9 115.3

141 34.3 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 59.684 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

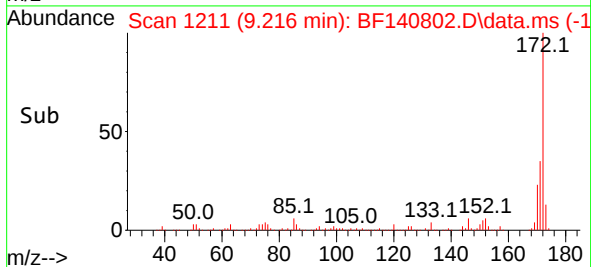
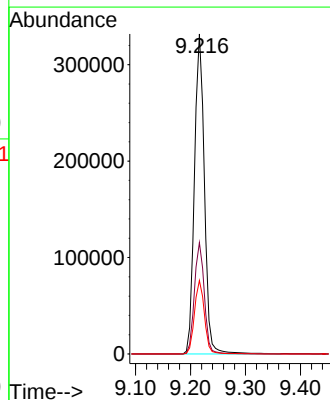
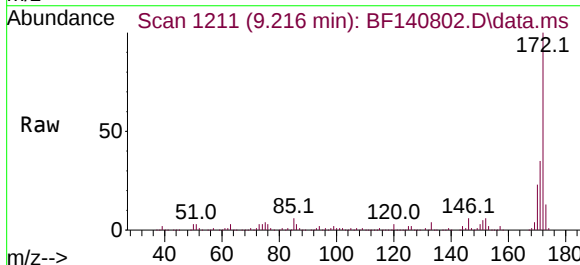
Tgt Ion:172 Resp: 418238

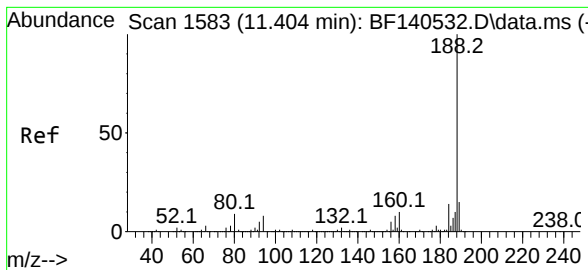
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.0 19.0 28.6

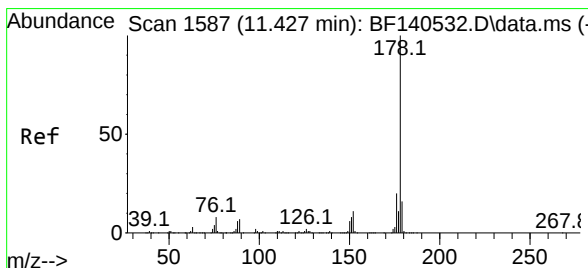
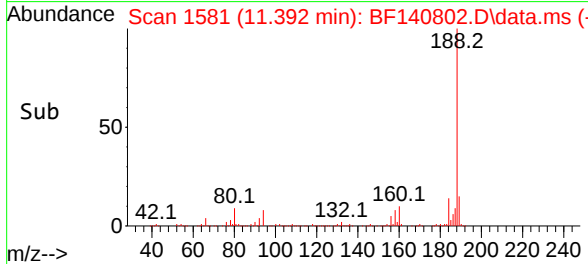
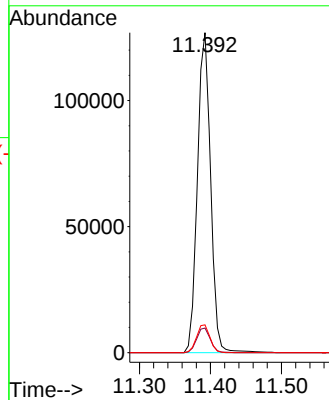
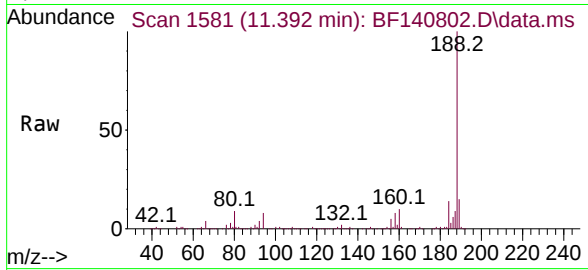




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

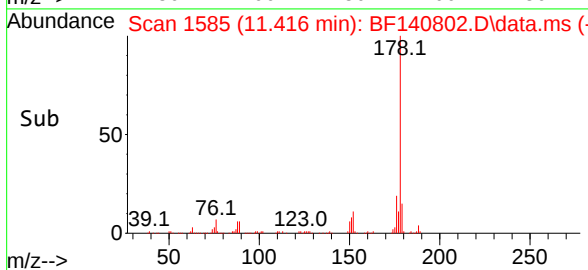
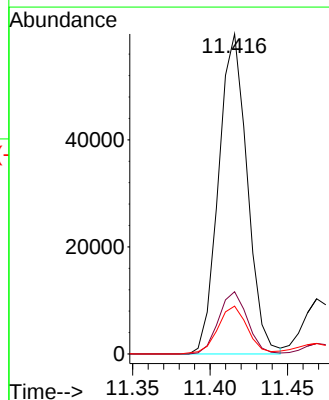
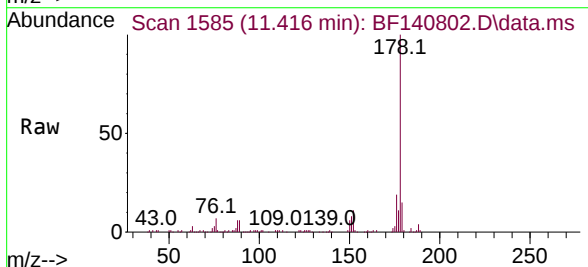
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

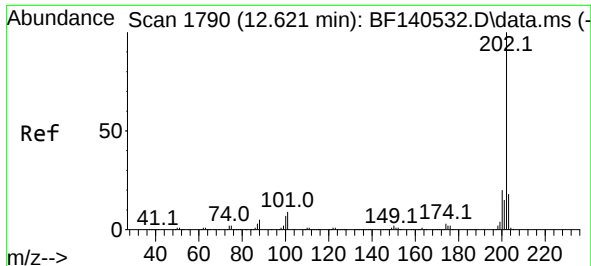
Tgt Ion:188 Resp: 164222
Ion Ratio Lower Upper
188 100
94 7.7 6.4 9.6
80 8.7 6.9 10.3



#71
Phenanthrene
Concen: 9.724 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

Tgt Ion:178 Resp: 76759
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.0 12.4 18.6

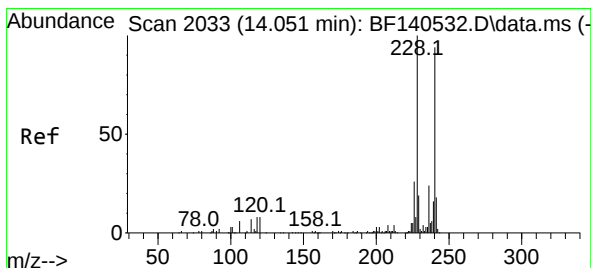
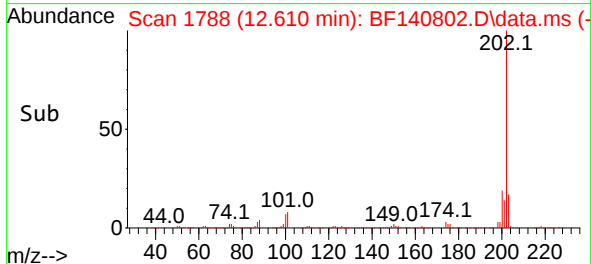
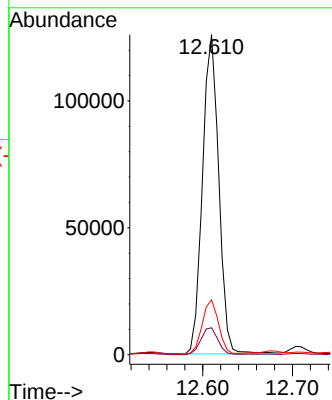
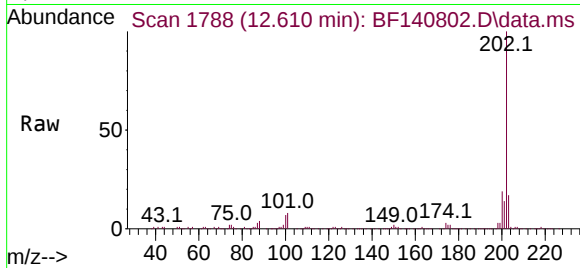




#75
Fluoranthene
Concen: 18.481 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

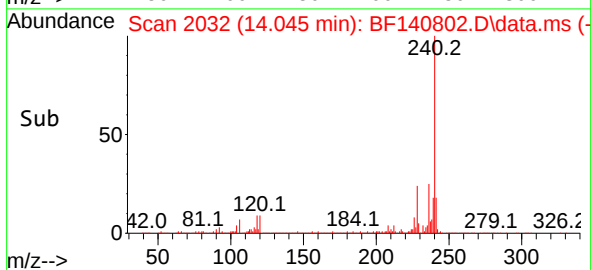
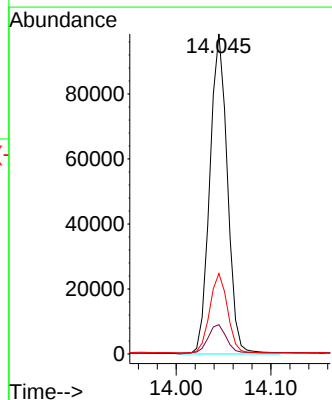
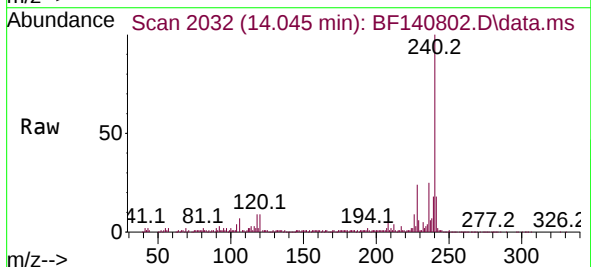
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BNA_F
ClientSampleId :
OK-01-12062024

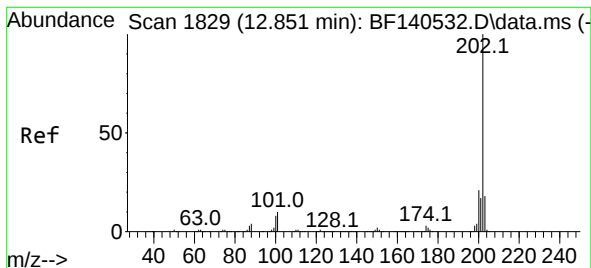
Tgt Ion:202 Resp: 158400
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.9
203 17.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

Tgt Ion:240 Resp: 127054
Ion Ratio Lower Upper
240 100
120 9.1 7.3 10.9
236 25.1 20.6 31.0





#78

Pyrene

Concen: 12.532 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024

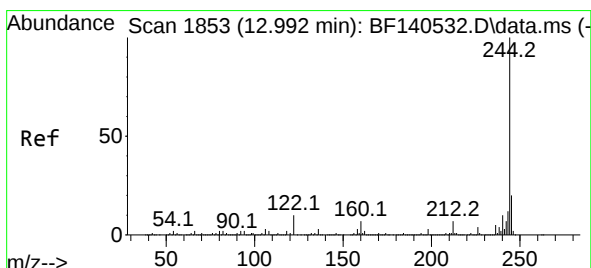
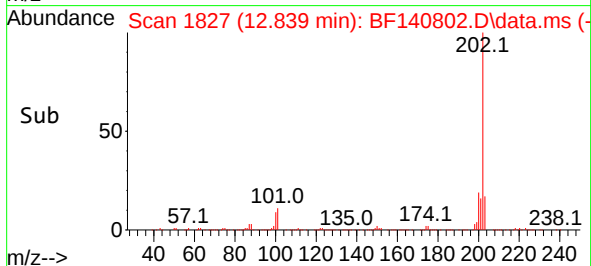
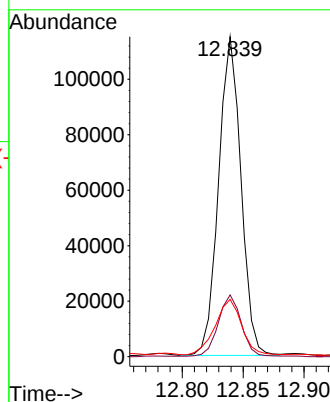
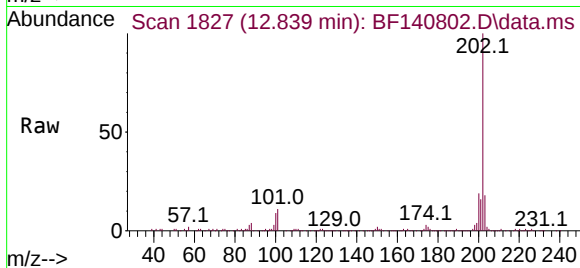
Tgt Ion:202 Resp: 147225

Ion Ratio Lower Upper

202 100

200 19.3 16.5 24.7

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 43.079 ng

RT: 12.975 min Scan# 1850

Delta R.T. -0.018 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

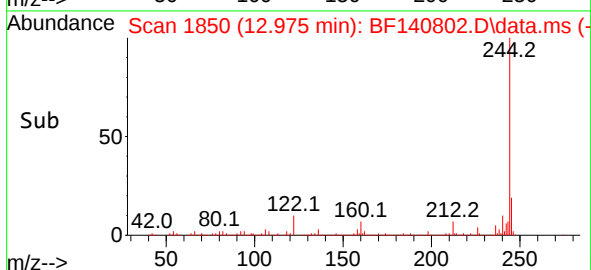
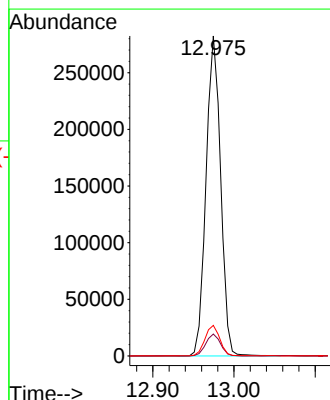
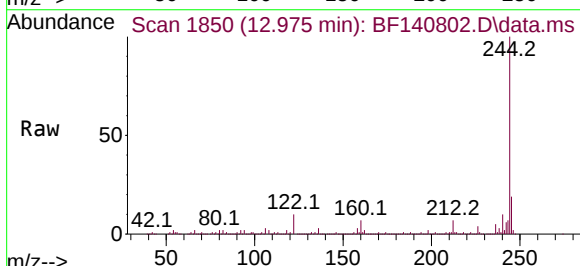
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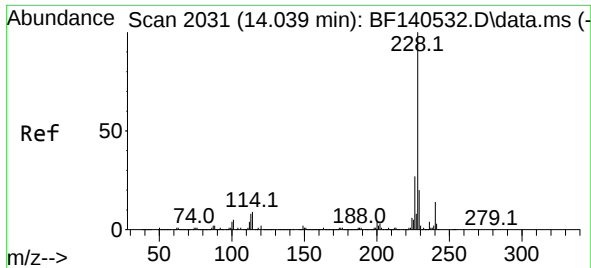
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 9.6 8.0 12.0

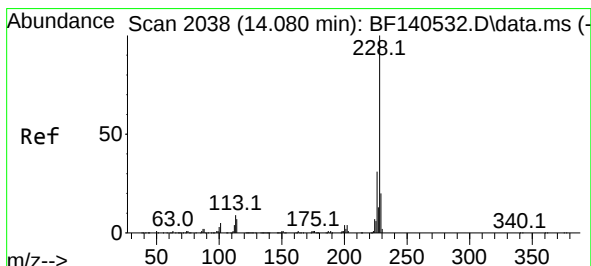
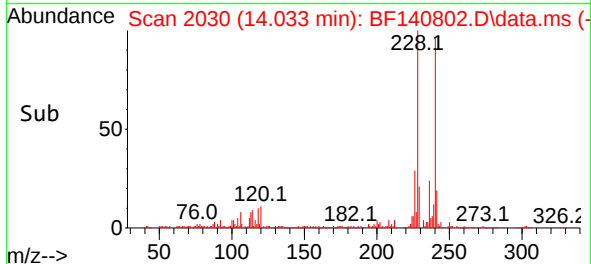
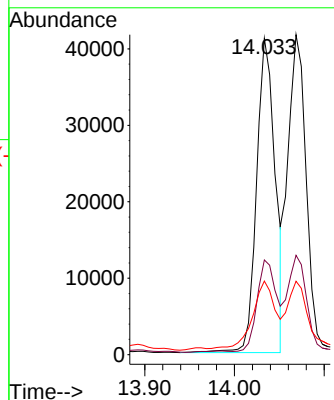
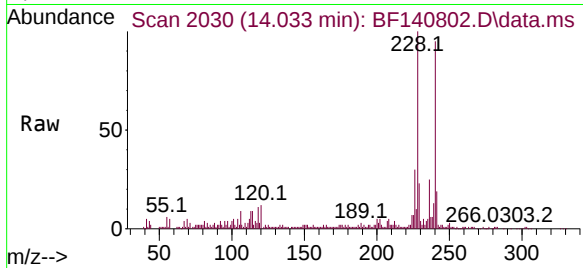




#81
Benzo(a)anthracene
Concen: 7.059 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

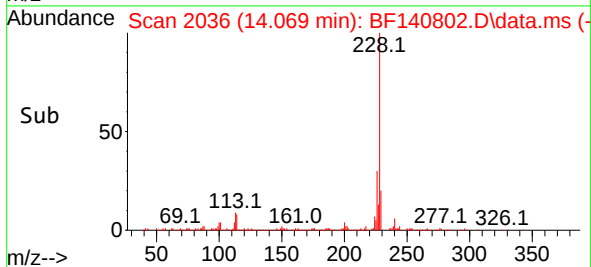
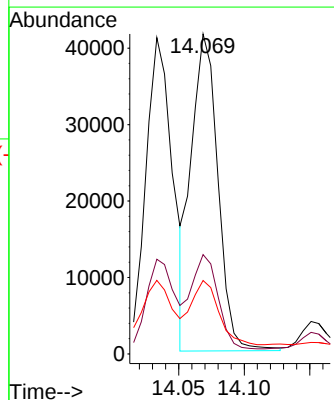
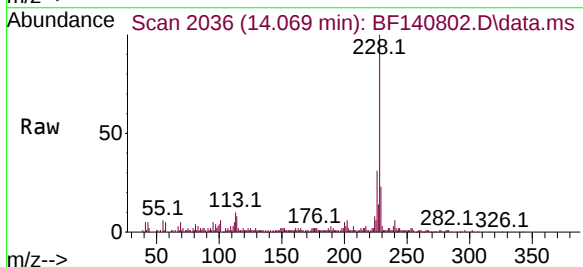
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

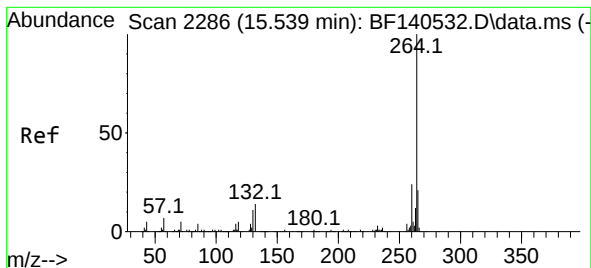
Tgt Ion:228 Resp: 59367
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 23.3 15.8 23.6



#83
Chrysene
Concen: 7.645 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

Tgt Ion:228 Resp: 58792
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 22.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024

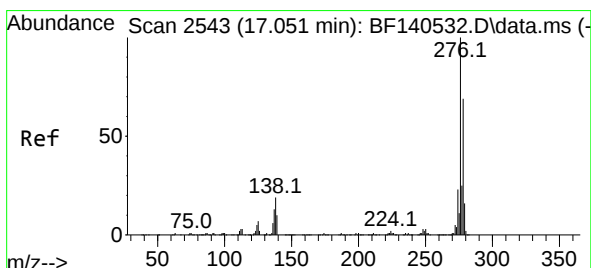
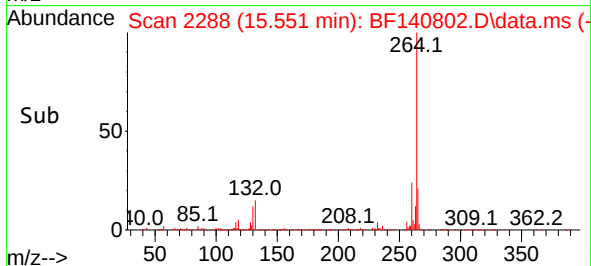
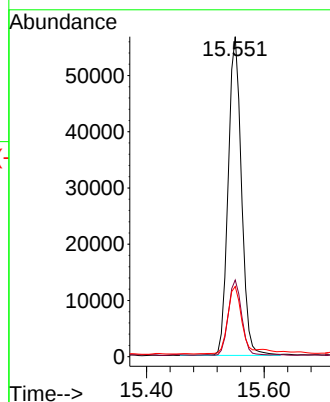
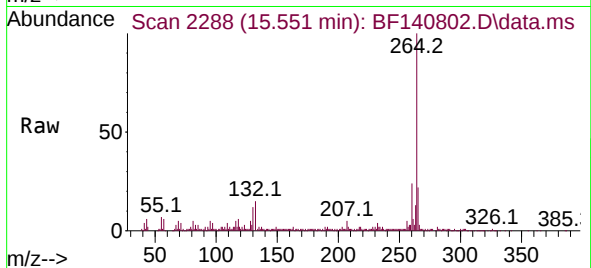
Tgt Ion:264 Resp: 89066

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 22.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.536 ng

RT: 17.068 min Scan# 2546

Delta R.T. 0.018 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

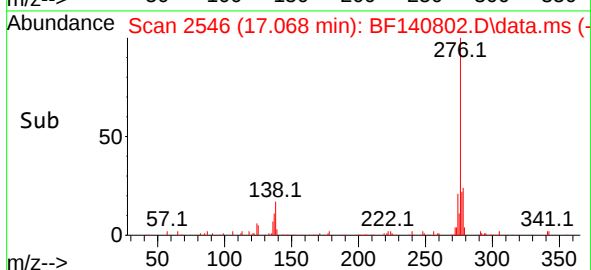
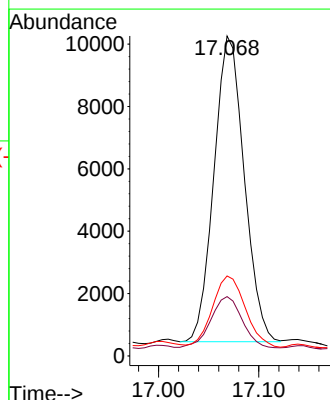
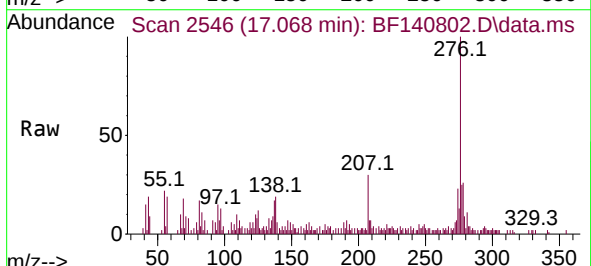
Tgt Ion:276 Resp: 20524

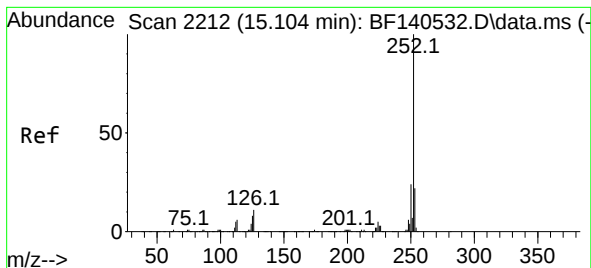
Ion Ratio Lower Upper

276 100

138 17.3 15.5 23.3

277 25.3 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 9.244 ng m

RT: 15.116 min Scan# 2214

Delta R.T. 0.012 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024

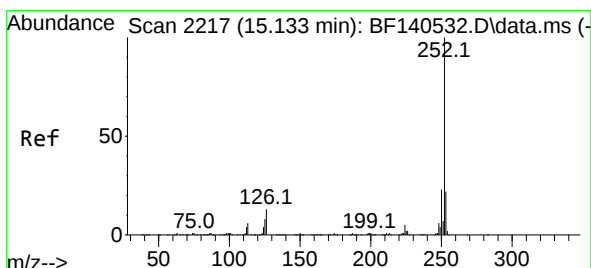
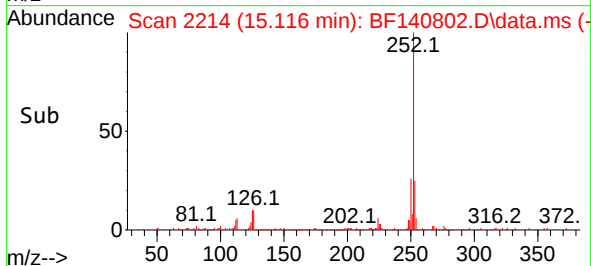
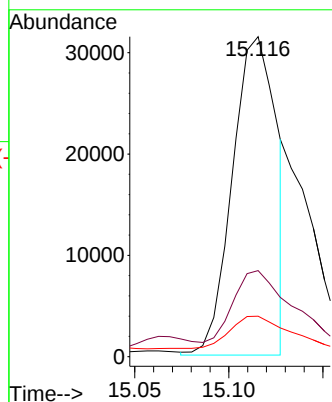
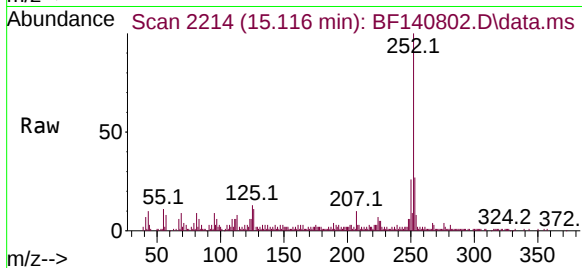
Tgt Ion:252 Resp: 51717

Ion Ratio Lower Upper

252 100

253 26.9 17.2 25.8#

125 12.7 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 4.567 ng m

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

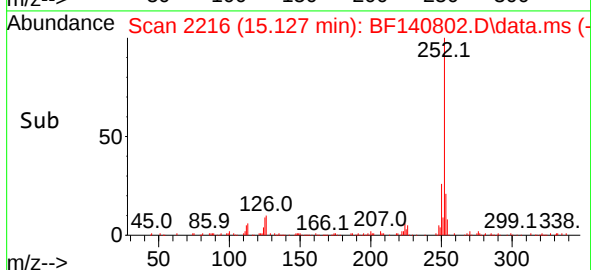
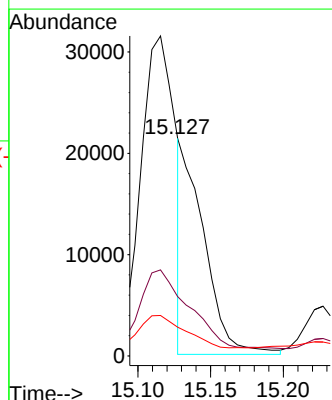
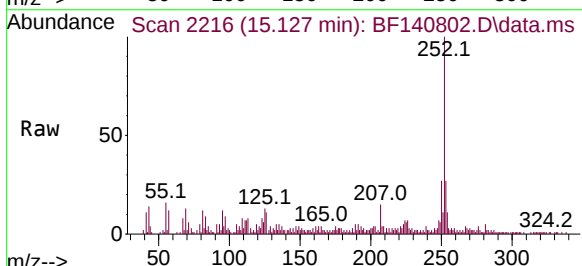
Tgt Ion:252 Resp: 22356

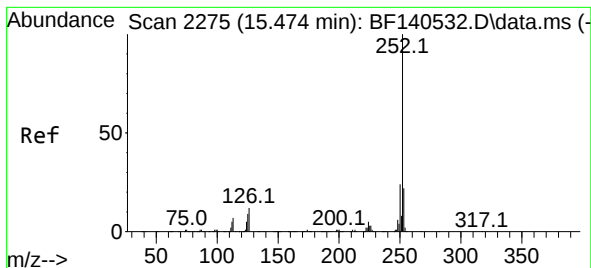
Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

125 13.2 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 7.952 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024

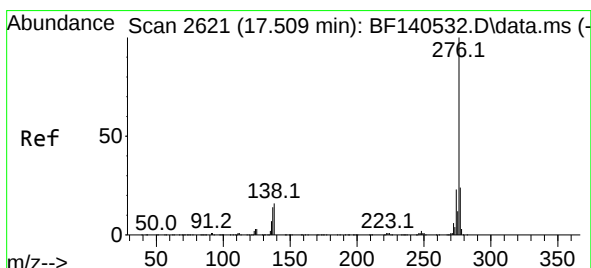
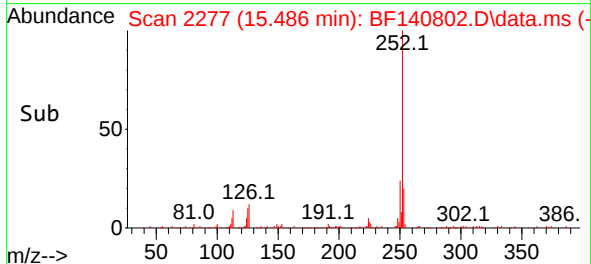
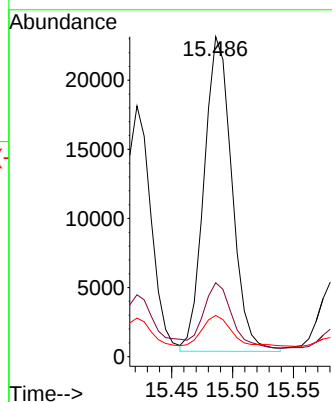
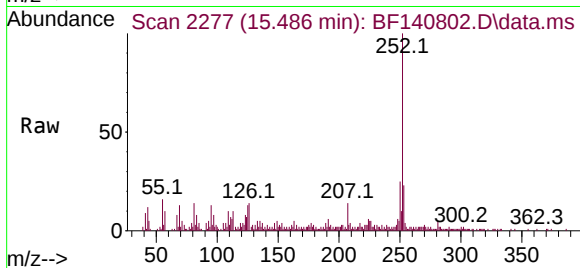
Tgt Ion:252 Resp: 36172

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 12.9 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 4.898 ng

RT: 17.527 min Scan# 2624

Delta R.T. 0.018 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Tgt Ion:276 Resp: 23758

Ion Ratio Lower Upper

276 100

277 25.7 18.9 28.3

138 17.7 13.2 19.8

