

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)

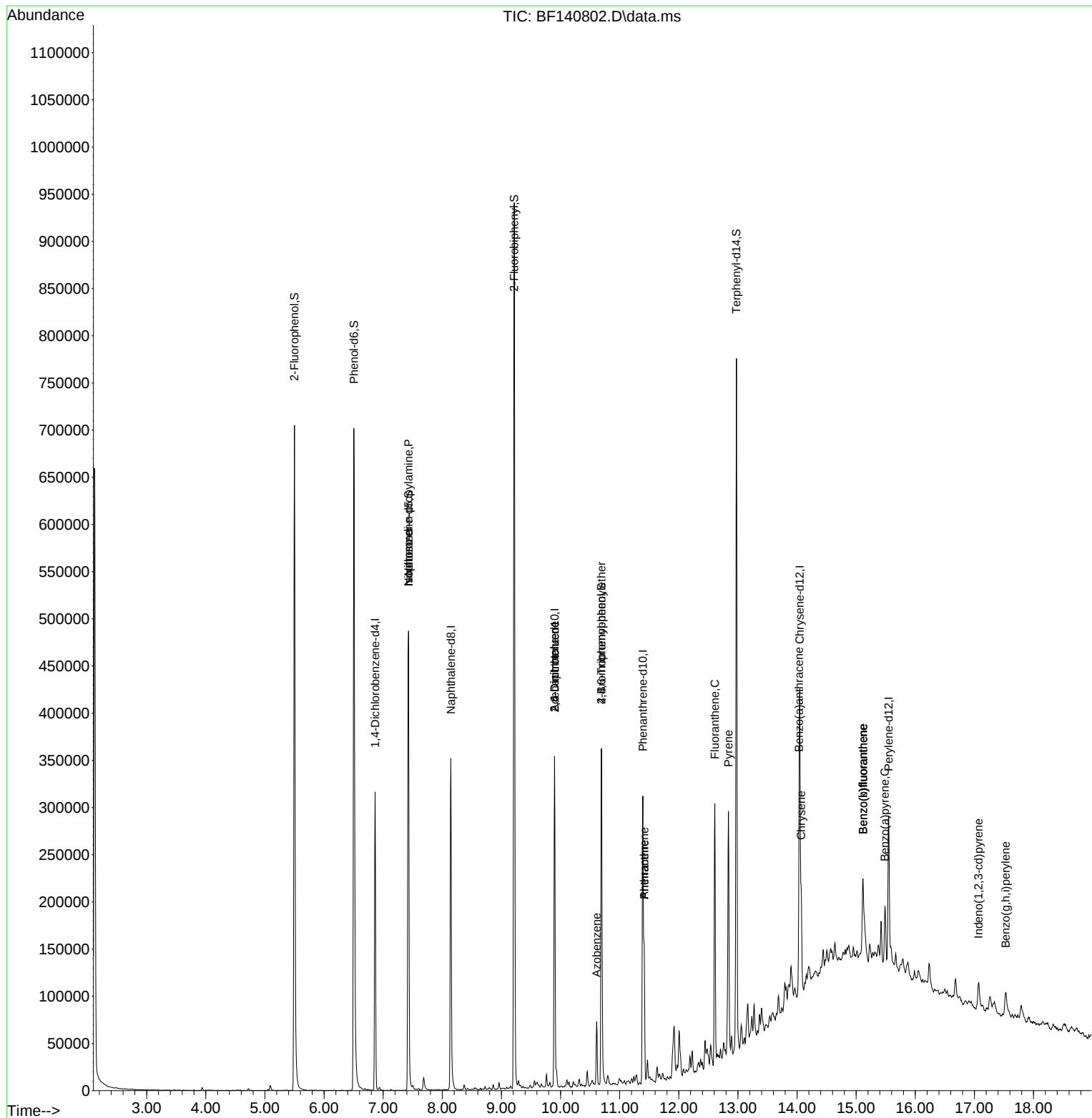
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	67796	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	232540	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	104409	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	164222	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	127054	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.428	70	30803	9.922	ng	# 73
25) Isophorone	7.428	82	233933	30.851	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13502	8.658	ng	# 19
57) 2,4-Dinitrotoluene	9.898	165	13502	6.514	ng	# 17
63) Azobenzene	10.610	77	18536	2.802	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4048	2.394	ng	# 1
71) Phenanthrene	11.416	178	76759	9.724	ng	99
72) Anthracene	11.416	178	76759	9.941	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	72059	12.881	ng	# 88
89) Benzo(k)fluoranthene	15.116	252	72059	14.719	ng	# 89
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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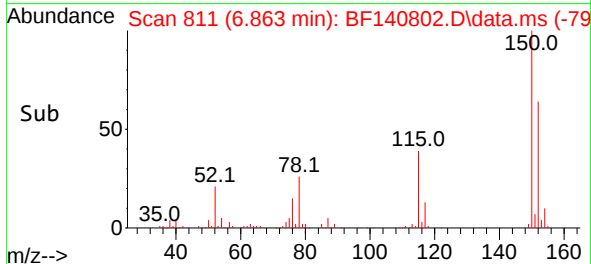
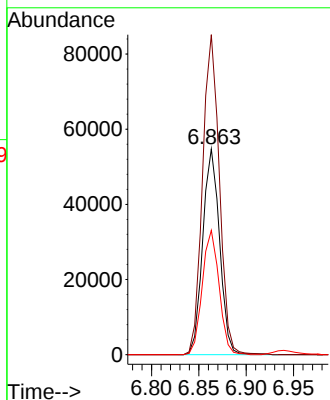
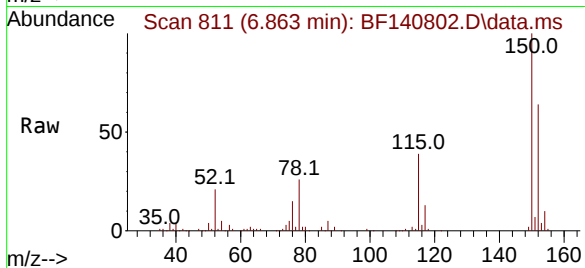




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

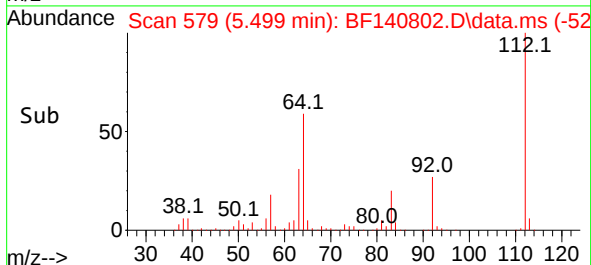
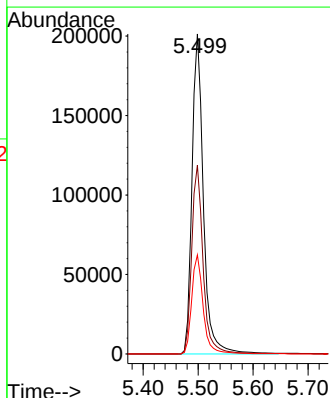
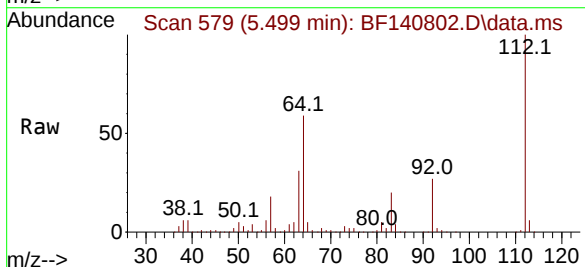
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

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

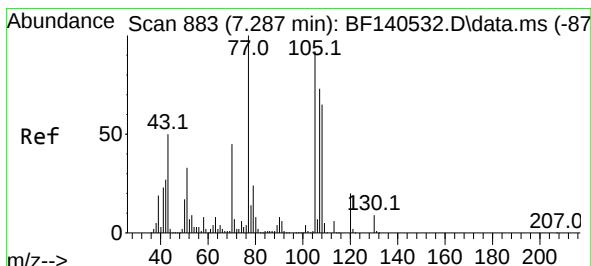
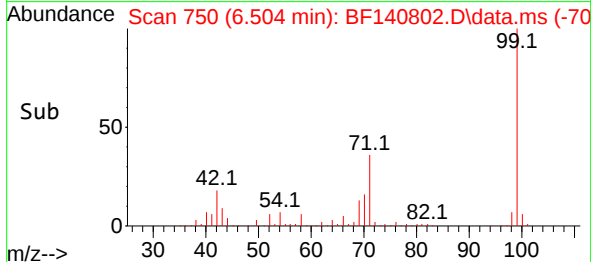
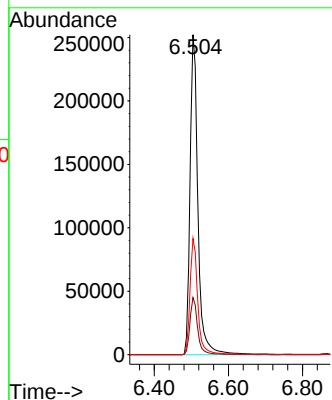
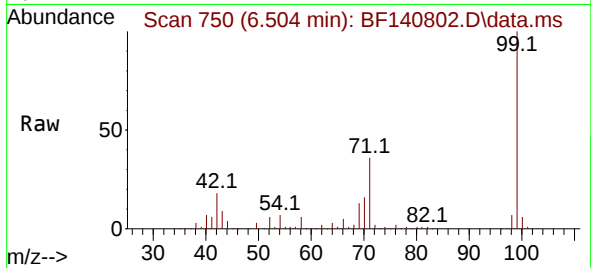




#7
Phenol-d6
Concen: 70.799 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

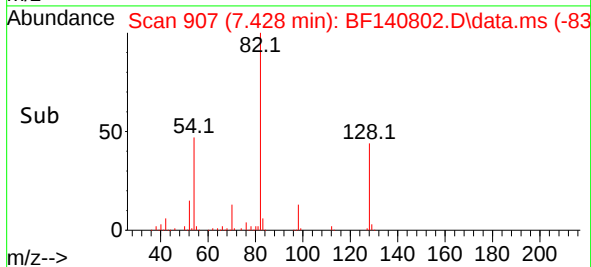
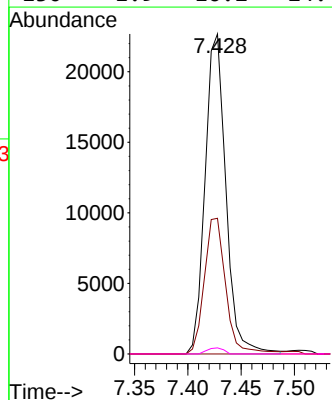
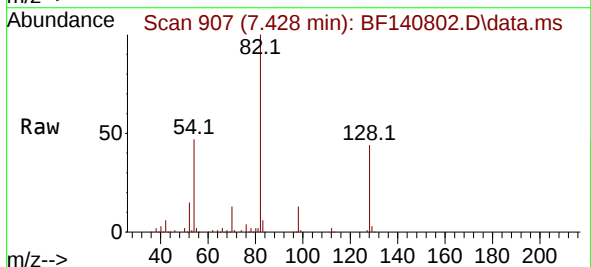
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

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



#19
n-Nitroso-di-n-propylamine
Concen: 9.922 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

Tgt Ion: 70 Resp: 30803
Ion Ratio Lower Upper
70 100
42 42.4 47.6 71.4#
101 0.0 7.6 11.4#
130 1.9 16.2 24.4#



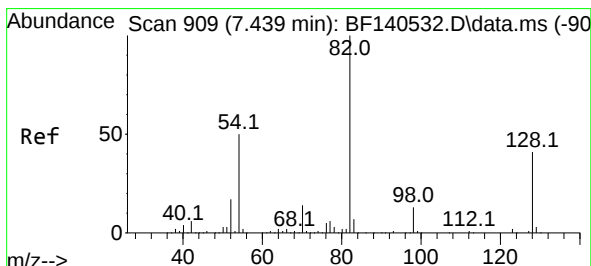
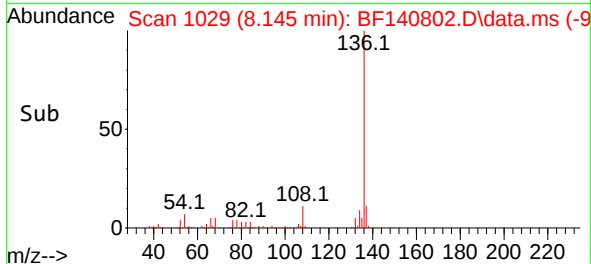
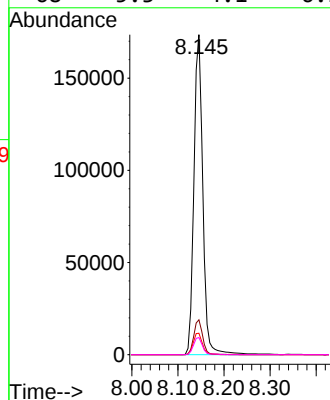
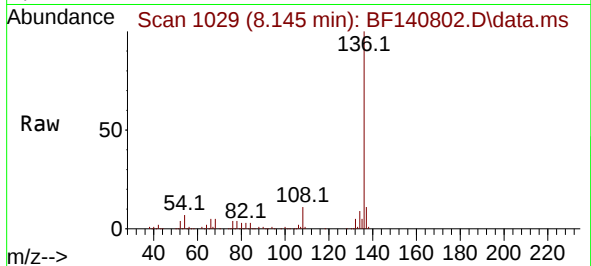


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

Tgt Ion:136 Resp: 232540

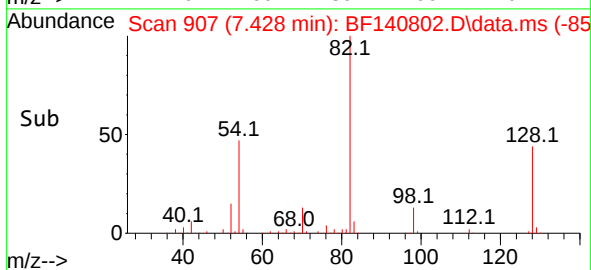
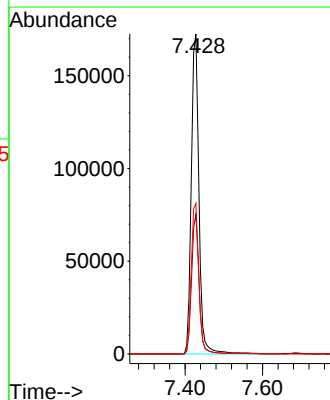
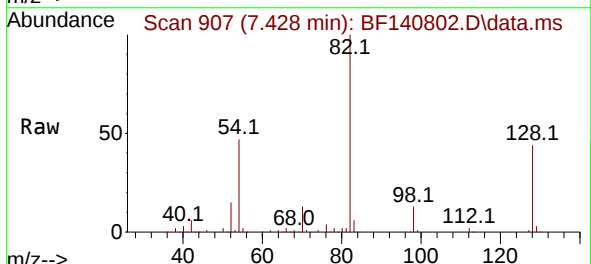
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.7	5.8	8.8
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 52.226 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

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

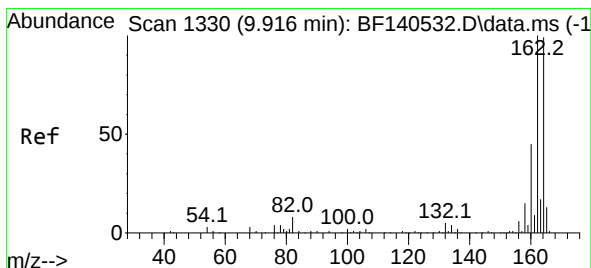
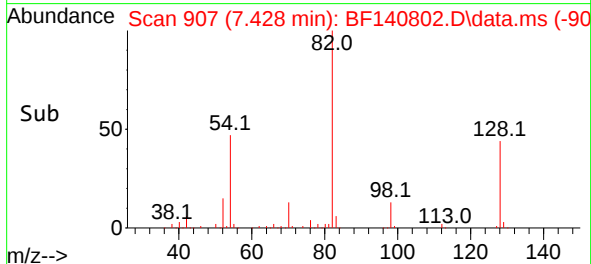
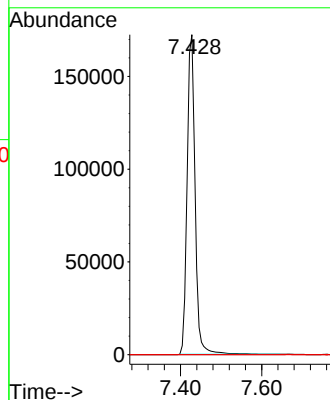
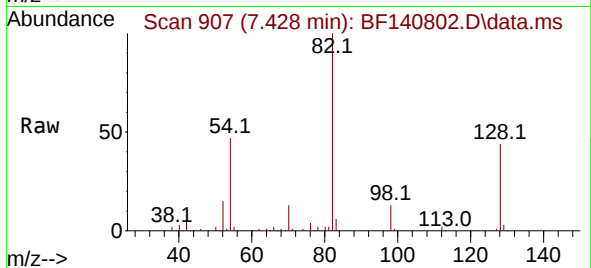




#25
Isophorone
Concen: 30.851 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

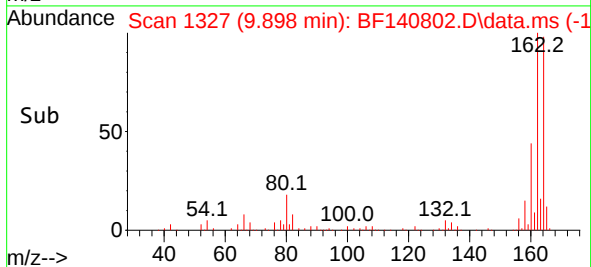
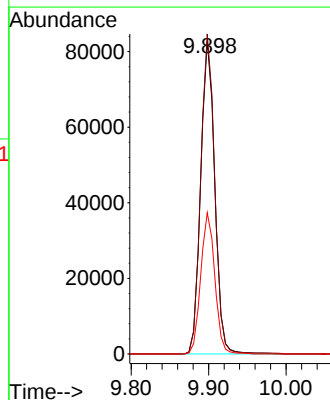
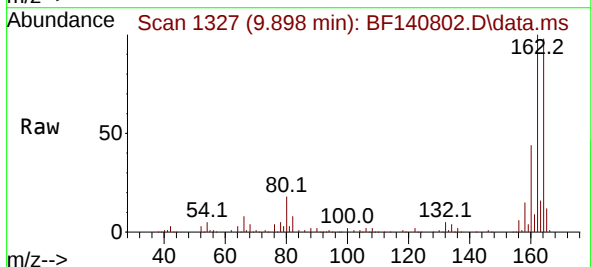
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

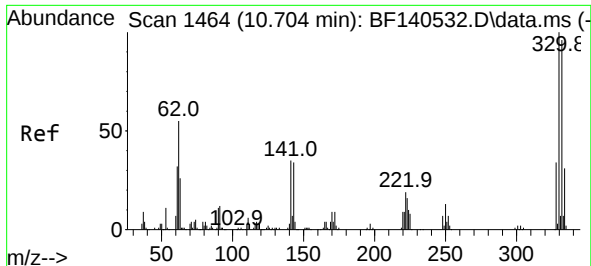
Tgt Ion: 82 Resp: 233933
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#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

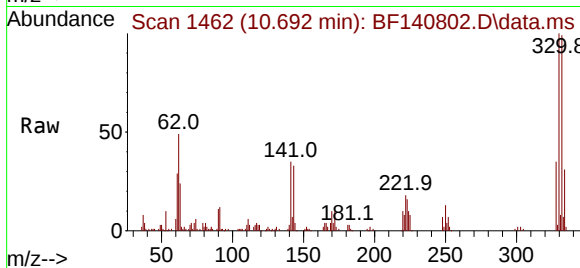
Tgt Ion:164 Resp: 104409
Ion Ratio Lower Upper
164 100
162 102.2 80.6 120.8
160 45.1 36.2 54.4



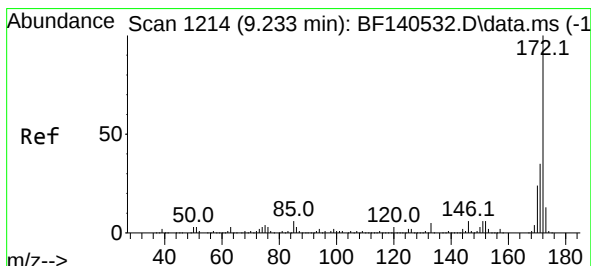
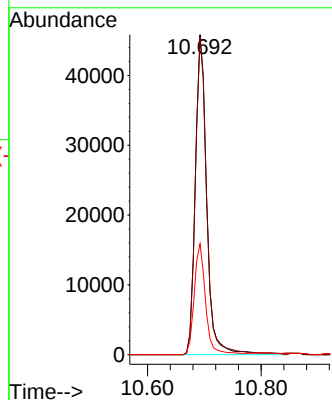
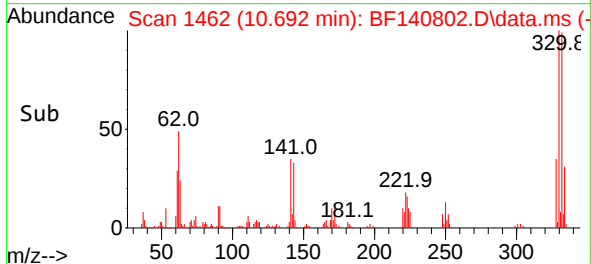


#42
2,4,6-Tribromophenol
Concen: 57.804 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

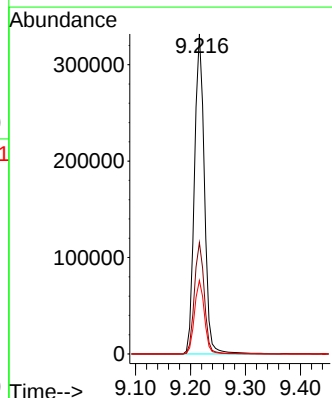
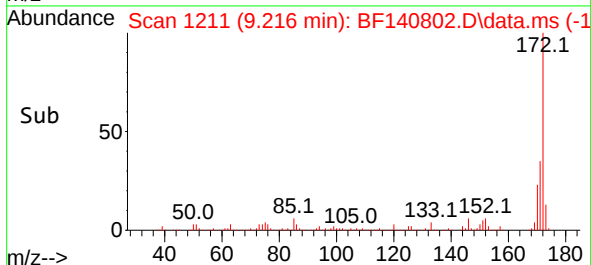
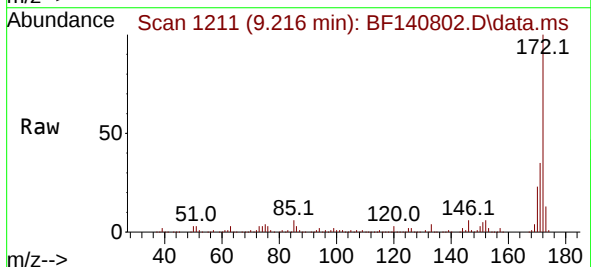


Tgt Ion:330 Resp: 64547
Ion Ratio Lower Upper
330 100
332 98.8 76.9 115.3
141 34.3 26.7 40.1



#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





#51

2,6-Dinitrotoluene

Concen: 8.658 ng

RT: 9.898 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024

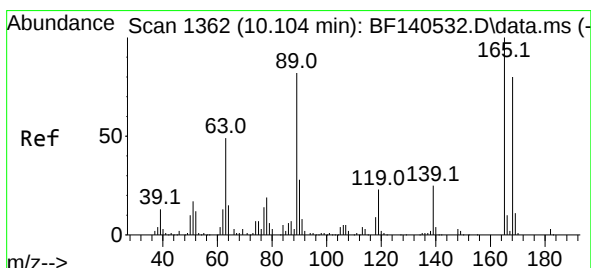
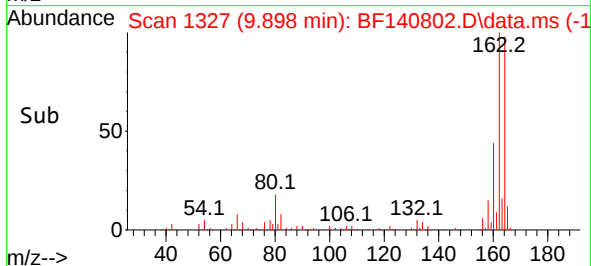
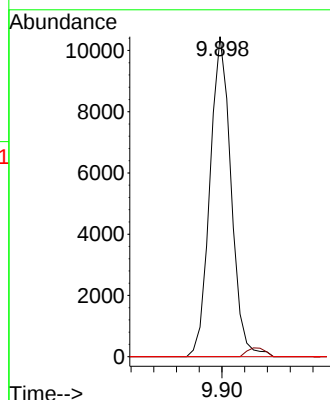
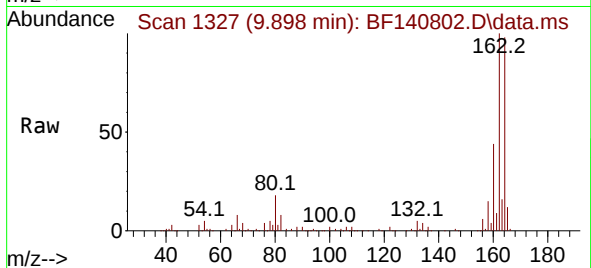
Tgt Ion:165 Resp: 13502

Ion Ratio Lower Upper

165 100

63 0.0 49.9 74.9#

89 0.0 50.9 76.3#



#57

2,4-Dinitrotoluene

Concen: 6.514 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.206 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Tgt Ion:165 Resp: 13502

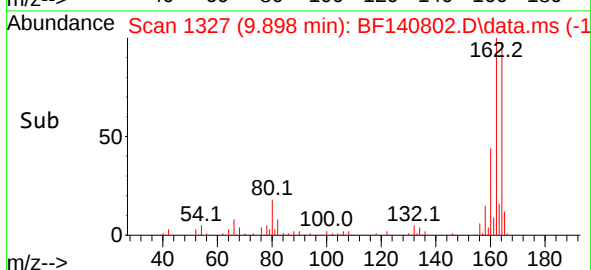
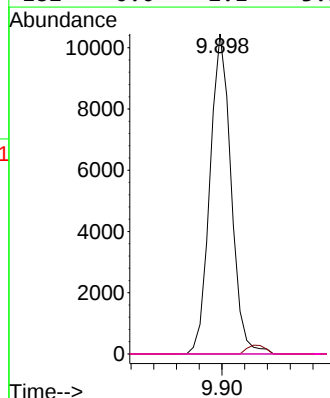
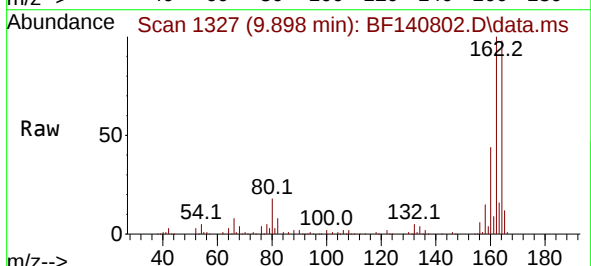
Ion Ratio Lower Upper

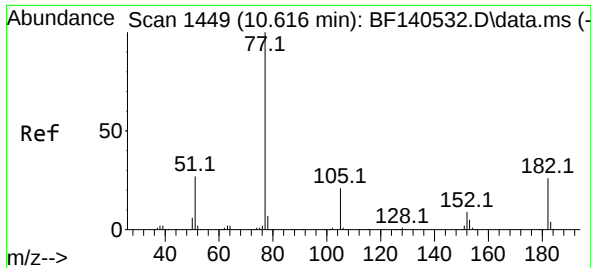
165 100

63 0.0 41.7 62.5#

89 0.0 65.8 98.8#

182 0.0 2.1 3.1#

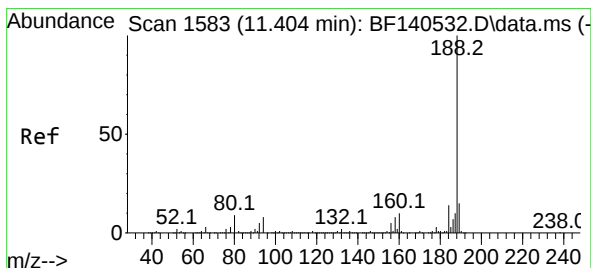
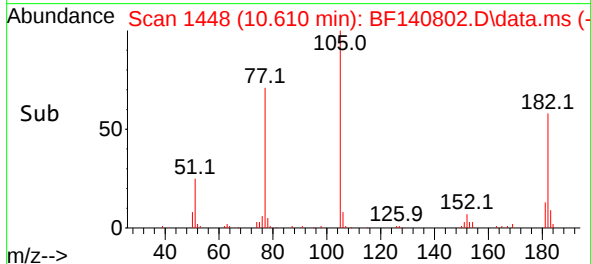
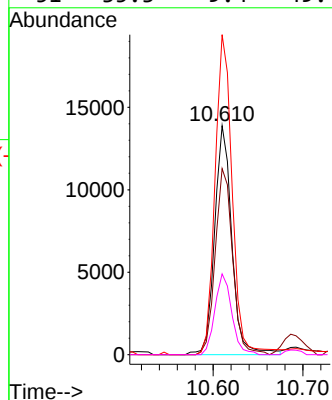
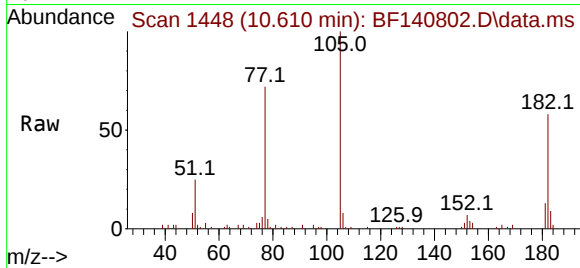




#63
Azobenzene
Concen: 2.802 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

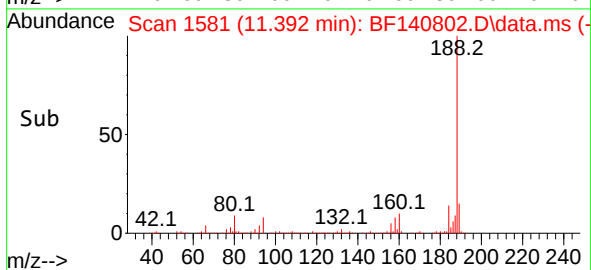
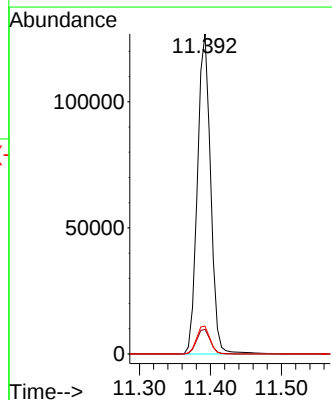
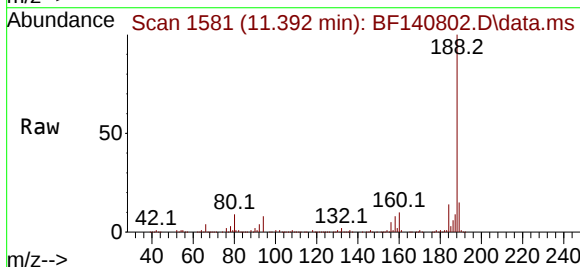
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

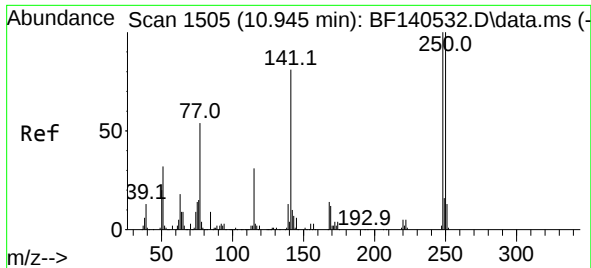
Tgt Ion: 77	Resp: 18536
Ion Ratio	Lower Upper
77 100	
182 81.3	5.3 45.3#
105 139.8	0.3 40.3#
51 35.3	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

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

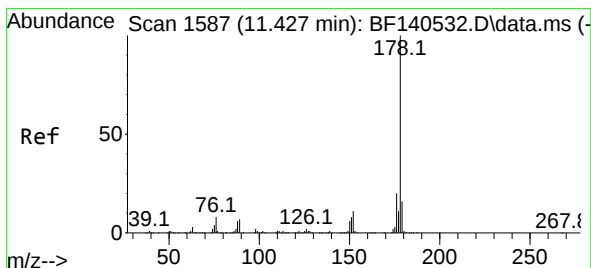
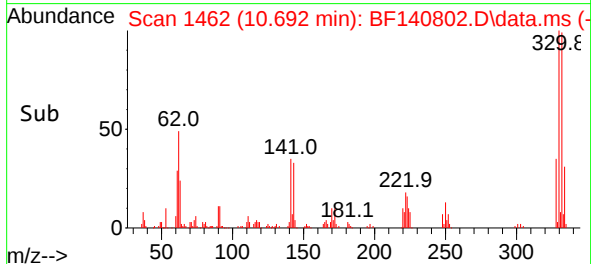
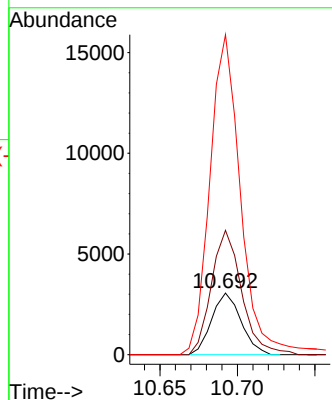
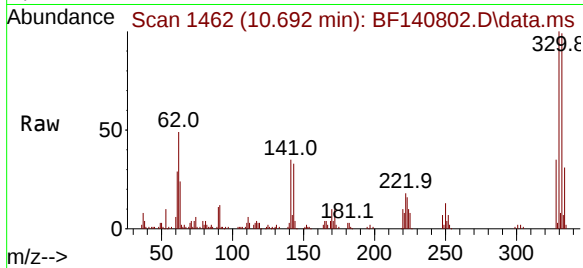




#67
4-Bromophenyl-phenylether
Concen: 2.394 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

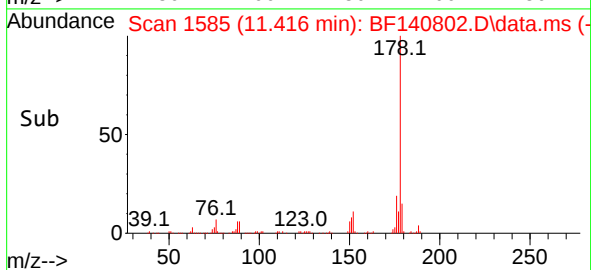
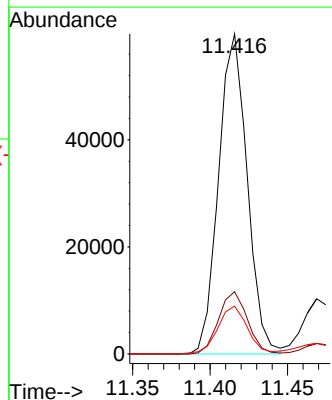
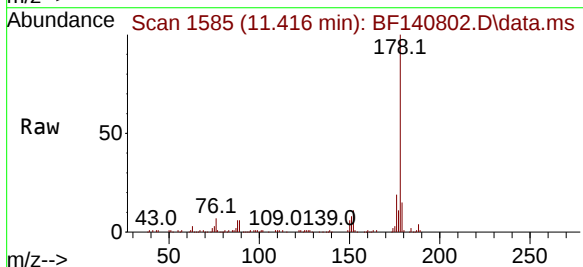
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

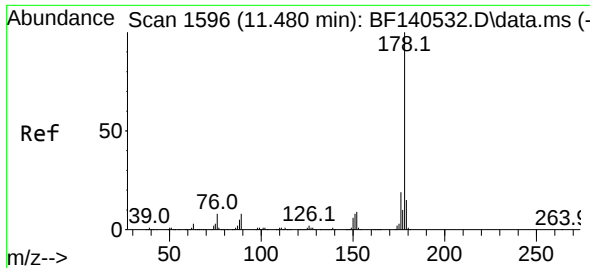
Tgt Ion:248 Resp: 4048
Ion Ratio Lower Upper
248 100
250 201.6 79.8 119.8#
141 519.0 64.7 97.1#



#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

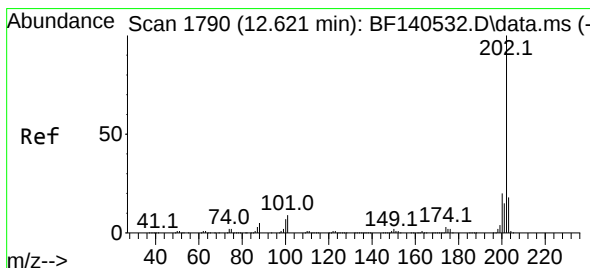
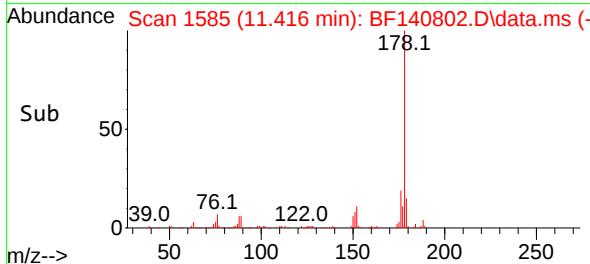
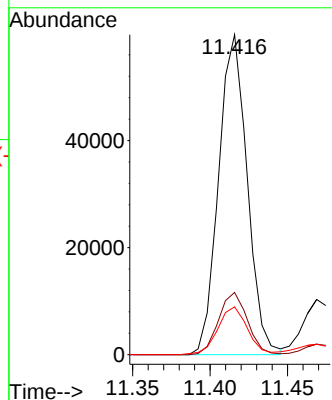
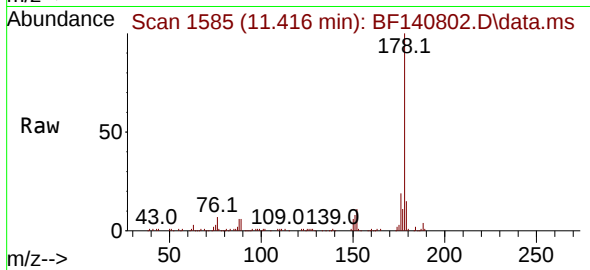




#72
 Anthracene
 Concen: 9.941 ng
 RT: 11.416 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF140802.D
 Acq: 10 Dec 2024 13:13

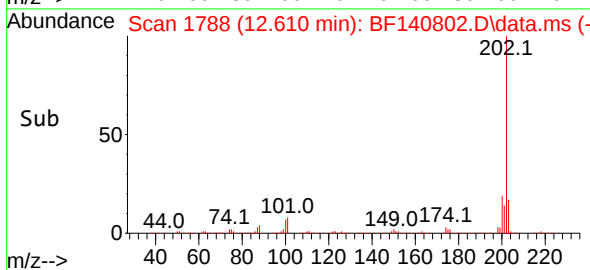
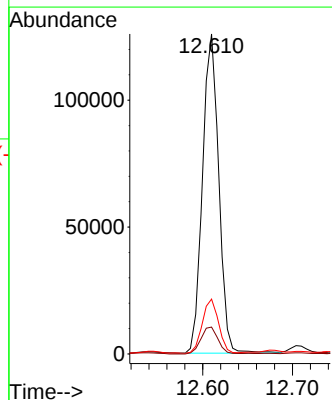
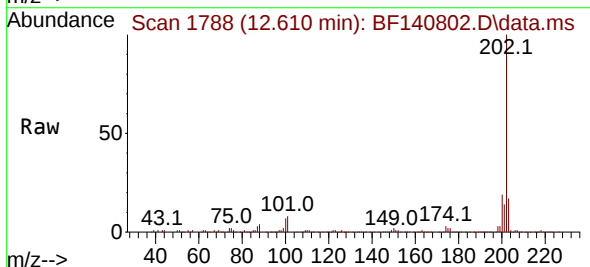
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-12062024

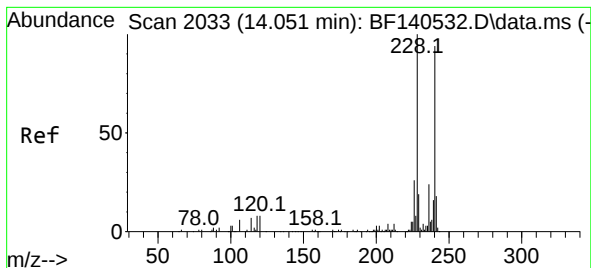
Tgt Ion:178	Resp:	76759
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.0 22.4
179	15.0	12.2 18.4



#75
 Fluoranthene
 Concen: 18.481 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.012 min
 Lab File: BF140802.D
 Acq: 10 Dec 2024 13:13

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# 2033

Delta R.T. -0.006 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024

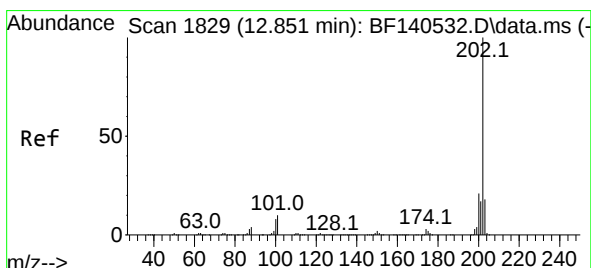
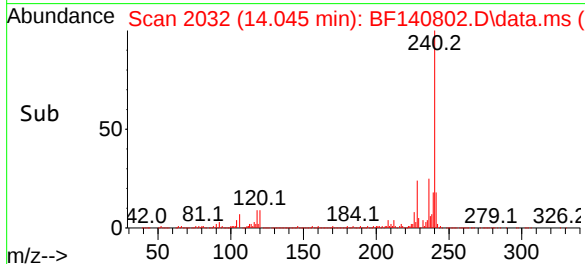
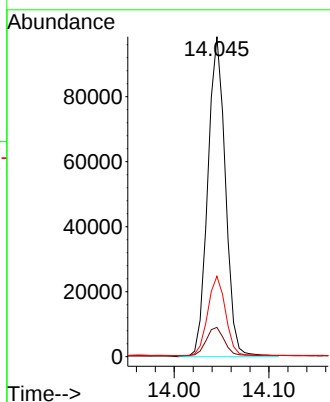
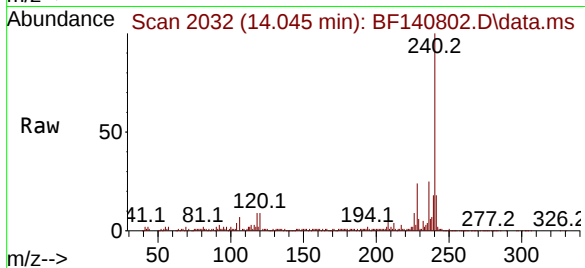
Tgt Ion:240 Resp: 127054

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

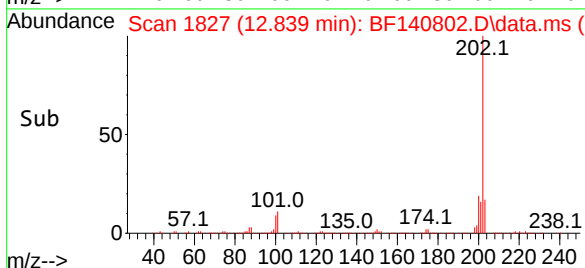
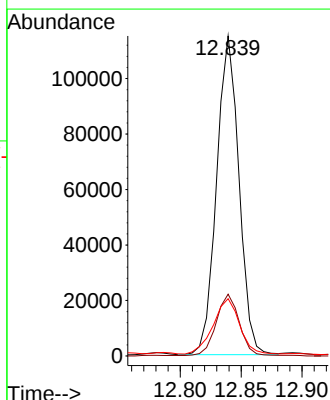
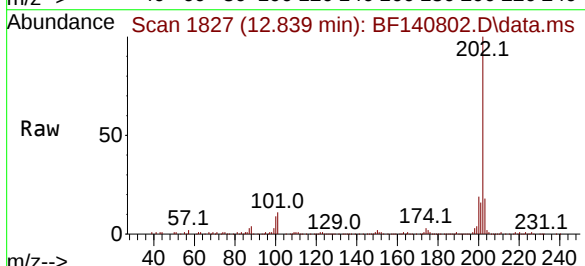
Tgt Ion:202 Resp: 147225

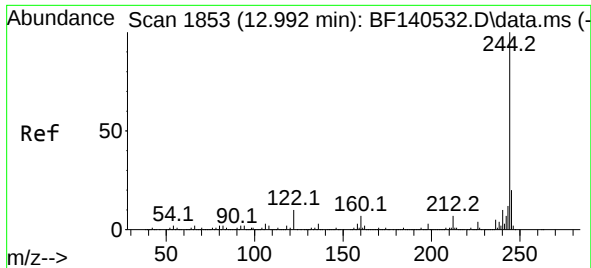
Ion Ratio Lower Upper

202 100

200 19.3 16.5 24.7

203 17.9 14.2 21.4

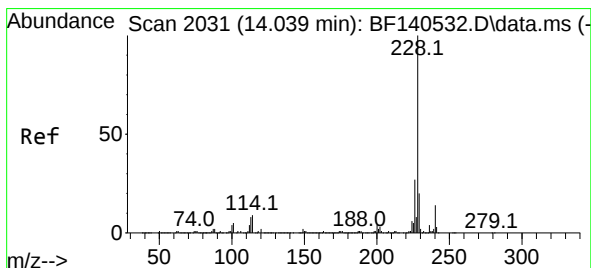
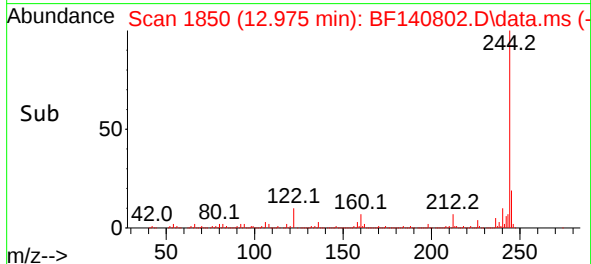
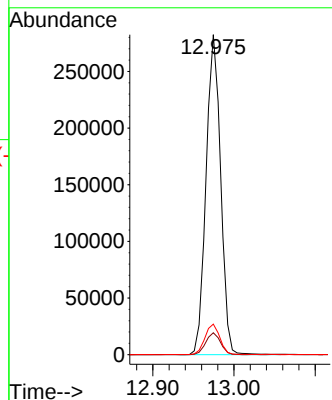
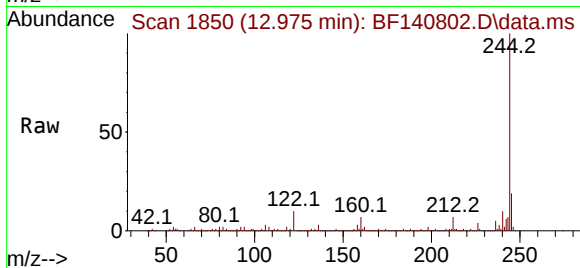




#79
 Terphenyl-d14
 Concen: 43.079 ng
 RT: 12.975 min Scan# 1850
 Delta R.T. -0.018 min
 Lab File: BF140802.D
 Acq: 10 Dec 2024 13:13

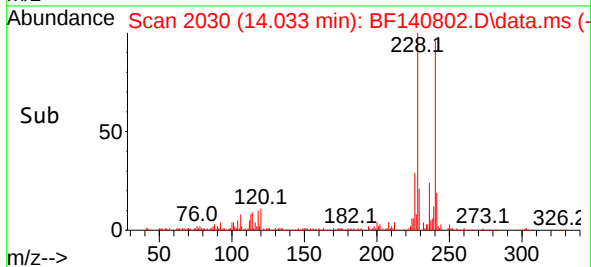
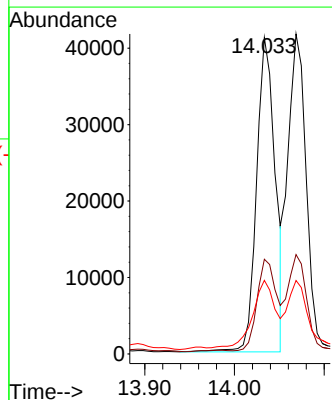
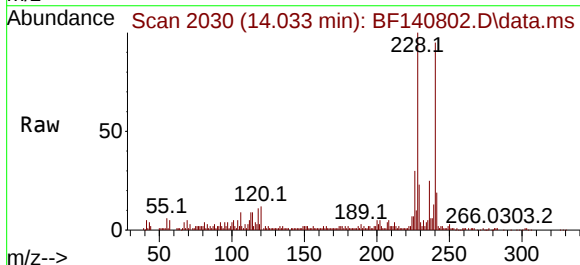
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-12062024

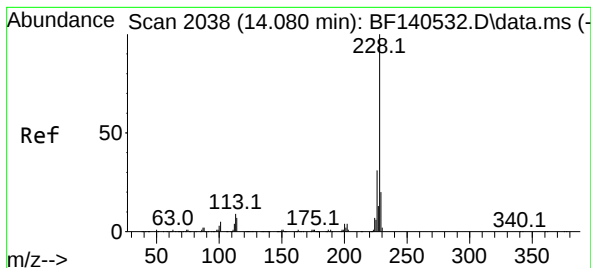
Tgt Ion:244 Resp: 351500
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 9.6 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 7.059 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140802.D
 Acq: 10 Dec 2024 13:13

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# 2038

Delta R.T. -0.012 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024

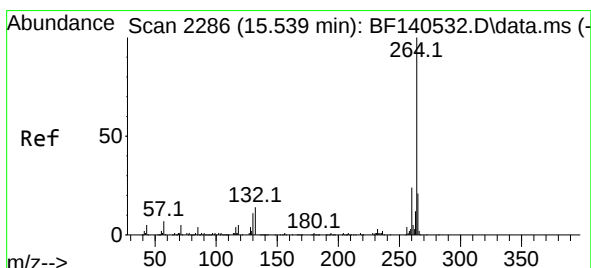
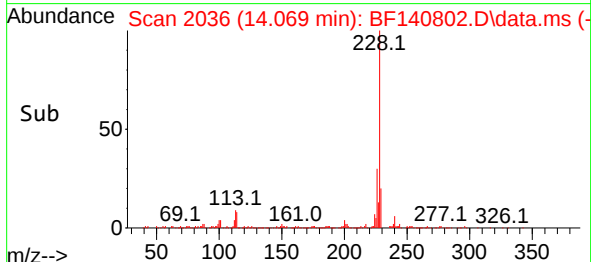
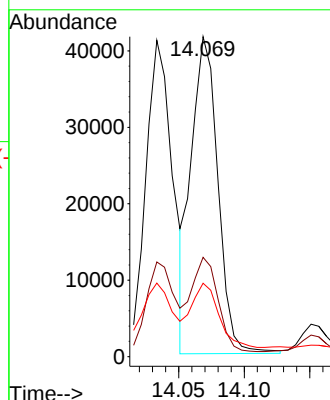
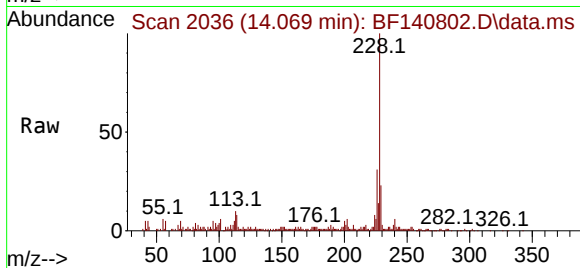
Tgt Ion:228 Resp: 58792

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# 2288

Delta R.T. 0.012 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

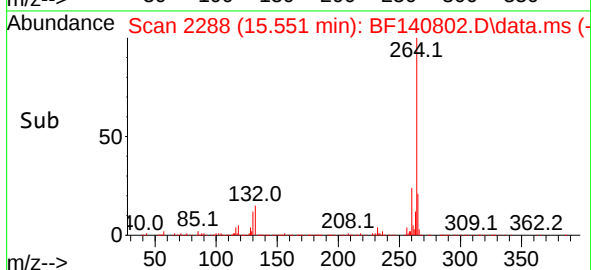
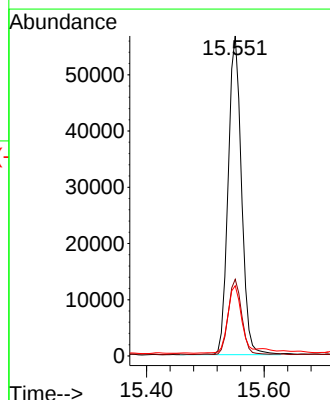
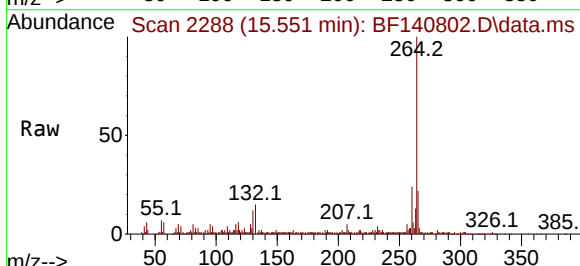
Tgt Ion:264 Resp: 89066

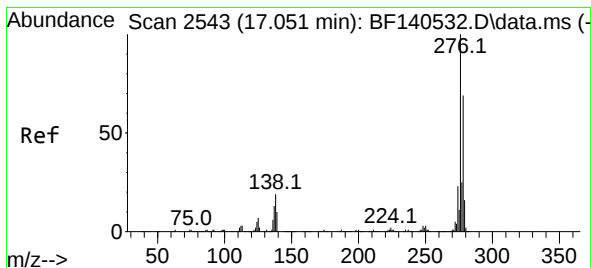
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.018 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024

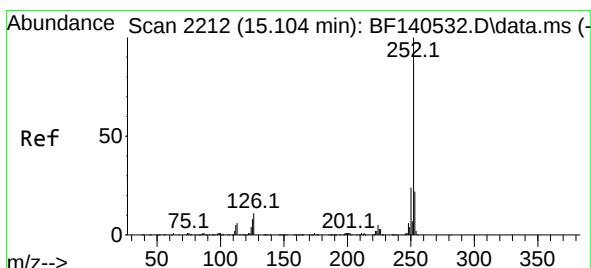
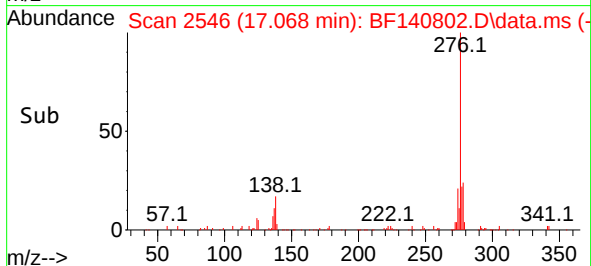
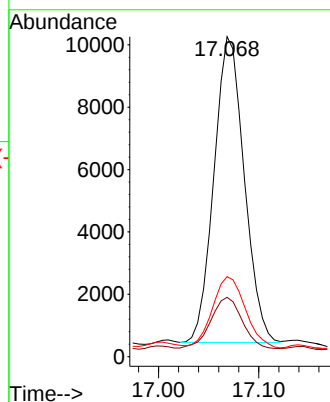
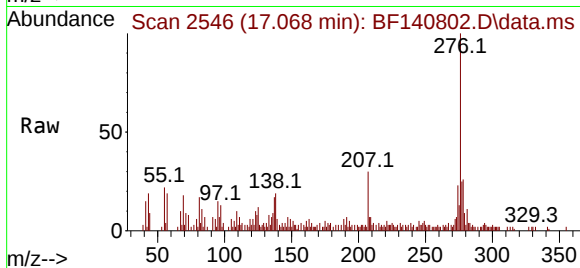
Tgt Ion:276 Resp: 20524

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: 12.881 ng

RT: 15.116 min Scan# 2214

Delta R.T. 0.012 min

Lab File: BF140802.D

Acq: 10 Dec 2024 13:13

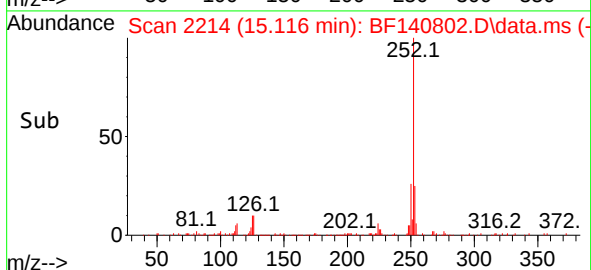
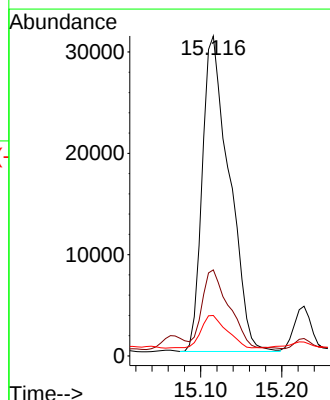
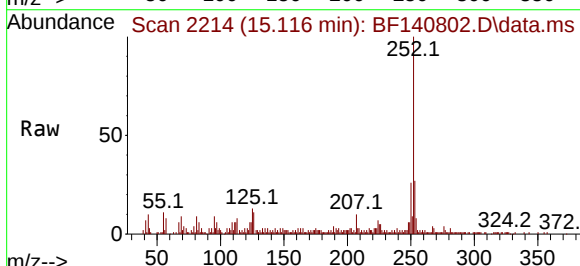
Tgt Ion:252 Resp: 72059

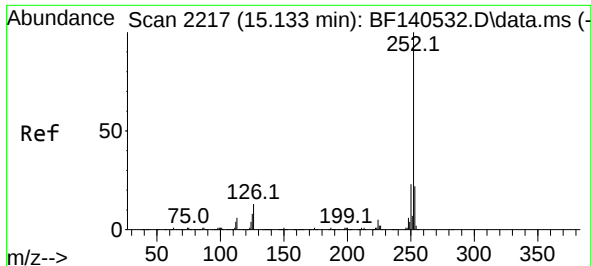
Ion Ratio Lower Upper

252 100

253 26.9 17.2 25.8#

125 12.7 6.7 10.1#

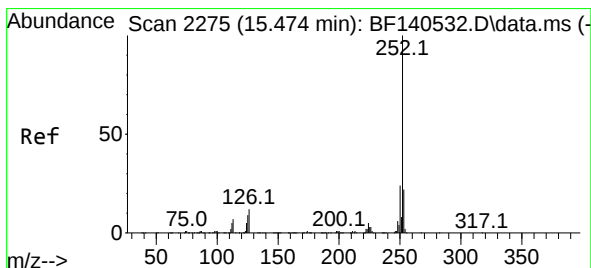
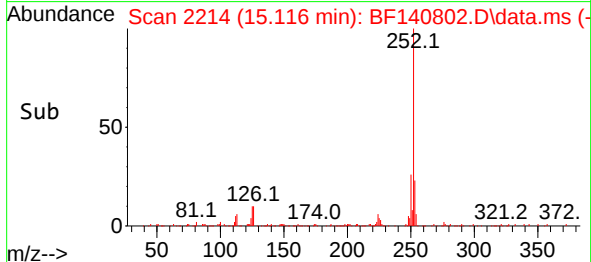
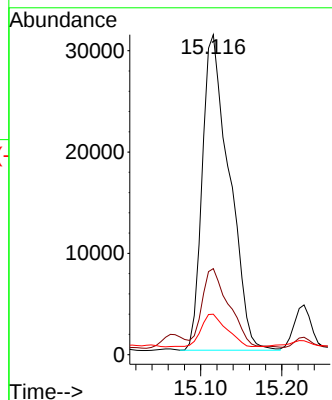
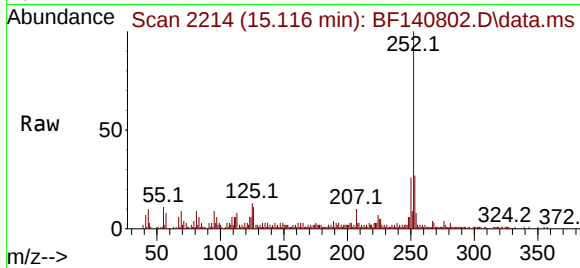




#89
Benzo(k)fluoranthene
Concen: 14.719 ng
RT: 15.116 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

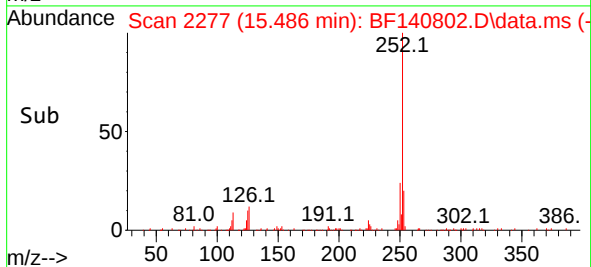
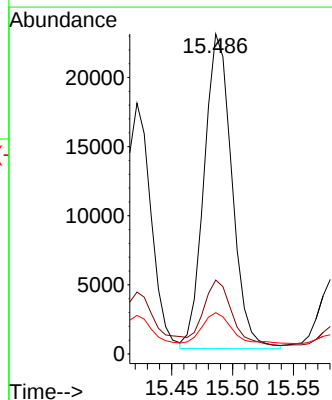
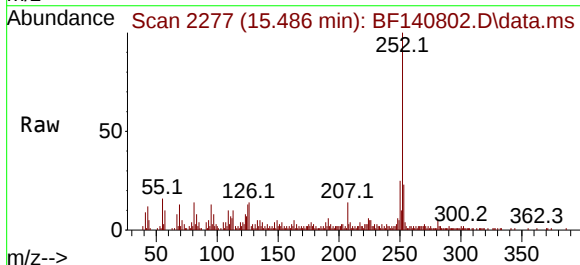
Instrument :
BNA_F
ClientSampleId :
OK-01-12062024

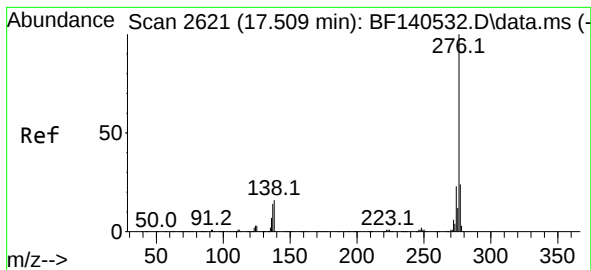
Tgt Ion:252 Resp: 72059
Ion Ratio Lower Upper
252 100
253 26.9 17.5 26.3#
125 12.7 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 7.952 ng
RT: 15.486 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF140802.D
Acq: 10 Dec 2024 13:13

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# 20

Delta R.T. 0.018 min

Lab File: BF140802.D

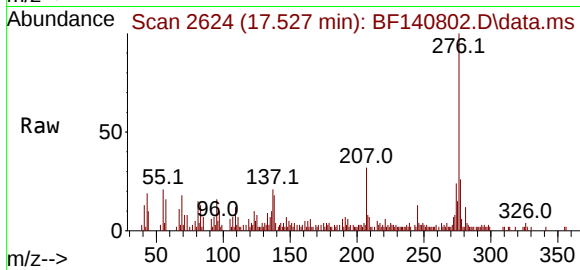
Acq: 10 Dec 2024 13:13

Instrument :

BNA_F

ClientSampleId :

OK-01-12062024



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

