

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
 Data File : BF134524.D
 Acq On : 28 Jul 2023 19:59
 Operator : CG\JU
 Sample : 03753-01 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-072523

Quant Time: Jul 29 01:27:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 12:16:03 2023
 Response via : Initial Calibration

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

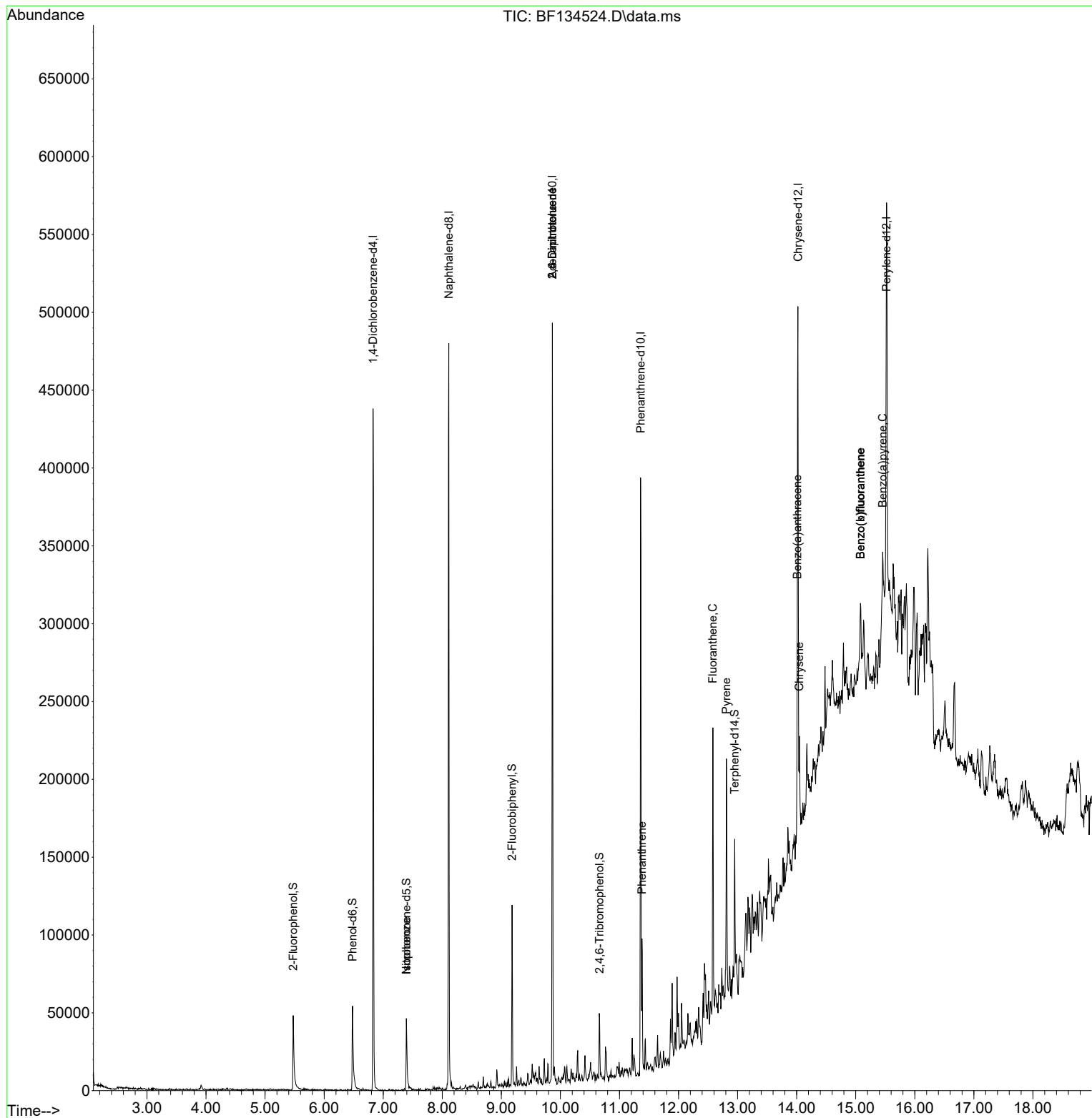
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	66518	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	208219	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	89259	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	143327	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	106515	20.000	ng	0.00
86) Perylene-d12	15.521	264	104457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	20193	5.016	ng	0.01
7) Phenol-d6	6.481	99	25653	5.201	ng	0.00
23) Nitrobenzene-d5	7.392	82	17249	4.191	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	5499	4.336	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	32148	4.728	ng	0.00
79) Terphenyl-d14	12.951	244	30638	5.021	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.392	82	17249	2.515	ng	# 65
51) 2,6-Dinitrotoluene	9.863	165	11617	8.001	ng	# 18
57) 2,4-Dinitrotoluene	9.863	165	11617	5.957	ng	# 19
71) Phenanthrene	11.380	178	30205	4.033	ng	97
75) Fluoranthene	12.580	202	67243	7.705	ng	99
78) Pyrene	12.810	202	60693	7.166	ng	98
81) Benzo(a)anthracene	14.010	228	26050	3.505	ng	# 93
83) Chrysene	14.045	228	22975	3.232	ng	97
88) Benzo(b)fluoranthene	15.080	252	30658	4.691	ng	# 71
89) Benzo(k)fluoranthene	15.080	252	30658	4.771	ng	# 73
90) Benzo(a)pyrene	15.457	252	19337	3.201	ng	# 77

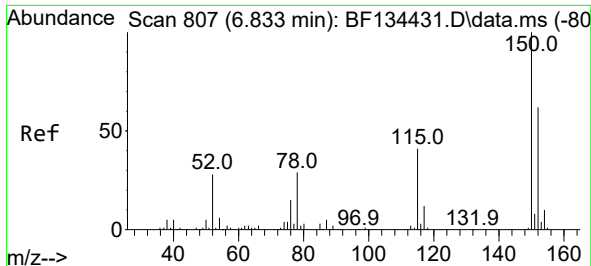
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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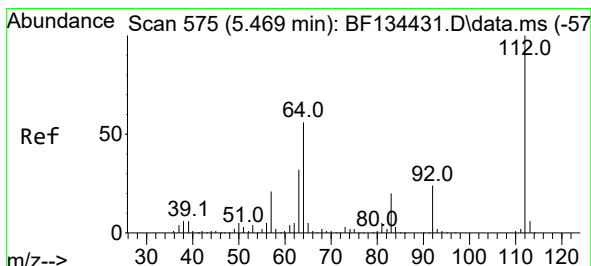
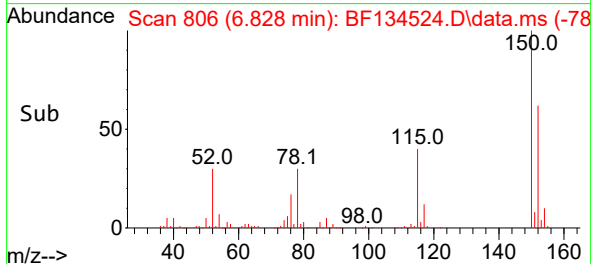
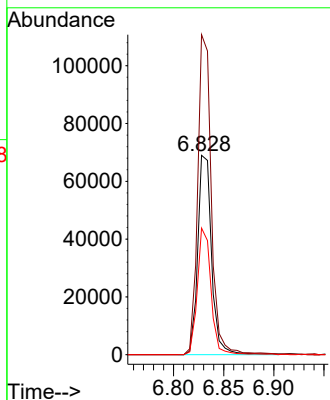
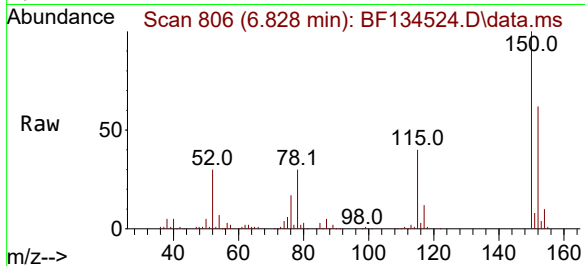




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

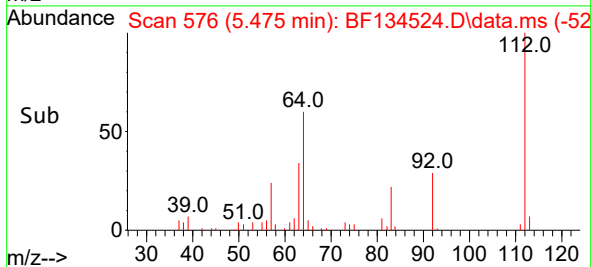
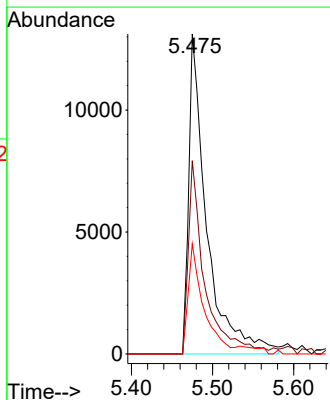
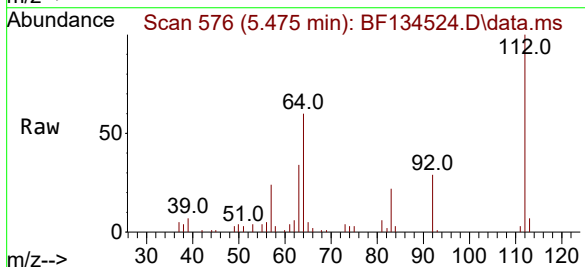
Instrument :
BNA_F
ClientSampleId :
OK-2-072523

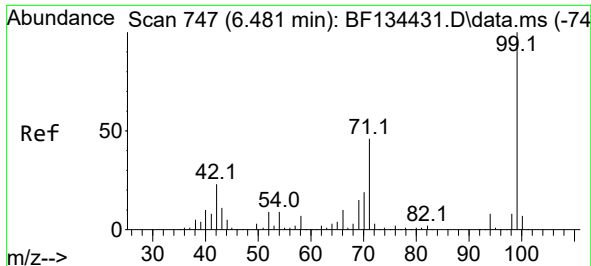
Tgt Ion:152 Resp: 66518
Ion Ratio Lower Upper
152 100
150 160.5 128.3 192.5
115 63.5 52.4 78.6



#5
2-Fluorophenol
Concen: 5.016 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

Tgt Ion:112 Resp: 20193
Ion Ratio Lower Upper
112 100
64 60.4 44.9 67.3
63 34.4 25.4 38.0

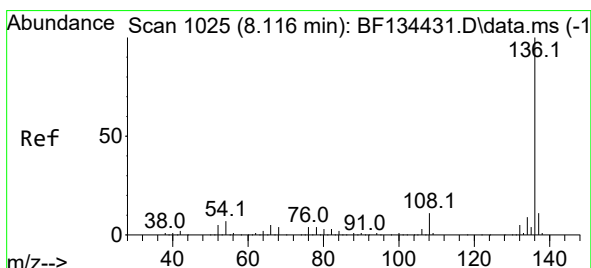
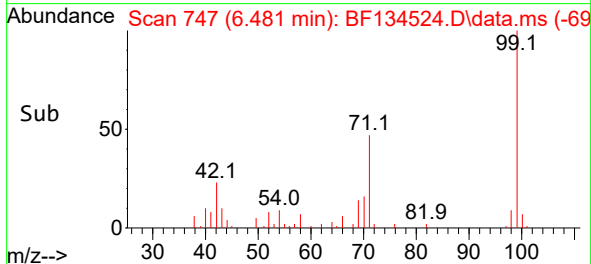
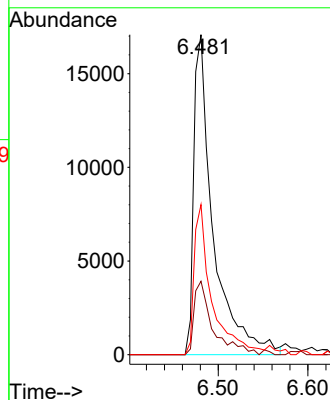
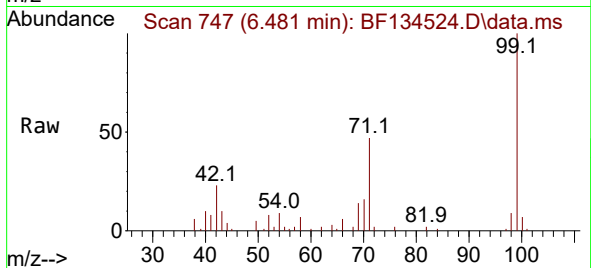




#7
Phenol-d6
Concen: 5.201 ng
RT: 6.481 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

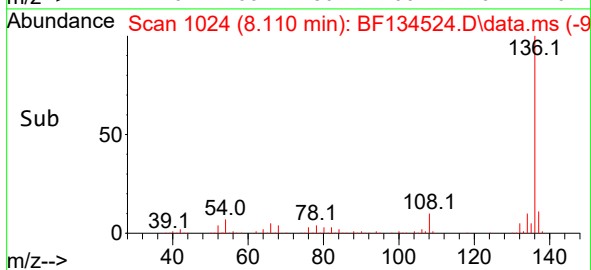
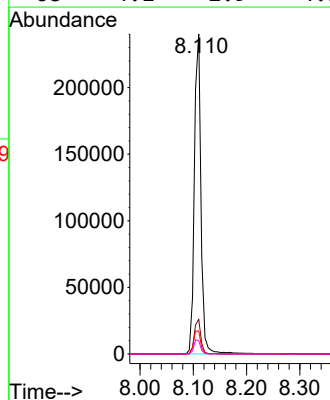
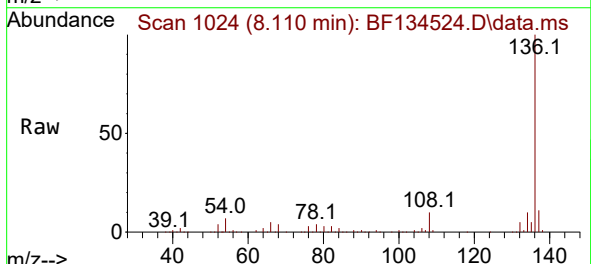
Instrument :
BNA_F
ClientSampleId :
OK-2-072523

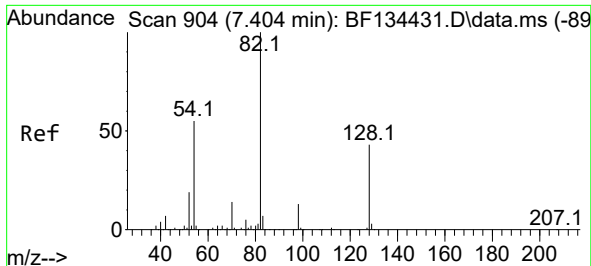
Tgt Ion: 99 Resp: 25653
Ion Ratio Lower Upper
99 100
42 23.0 18.7 28.1
71 46.9 36.4 54.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

Tgt Ion: 136 Resp: 208219
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.2 5.2 7.8
68 4.1 2.9 4.3

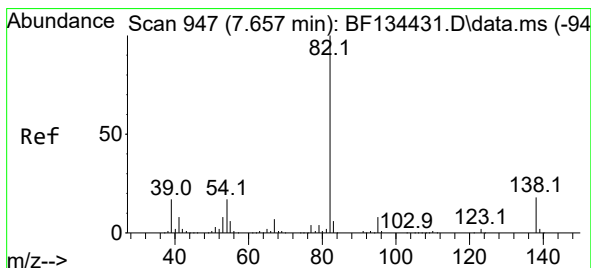
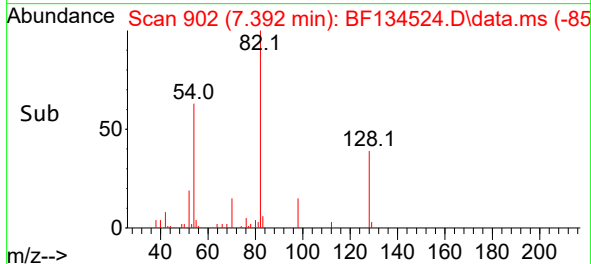
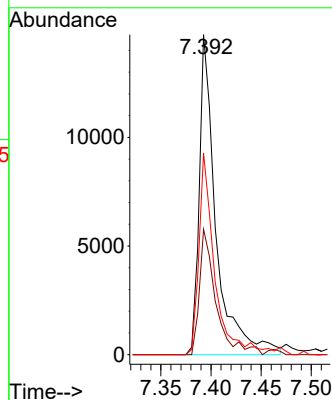
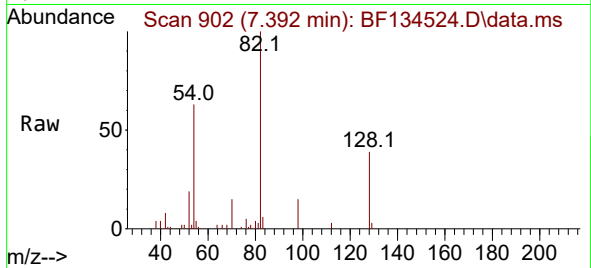




#23
Nitrobenzene-d5
Concen: 4.191 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

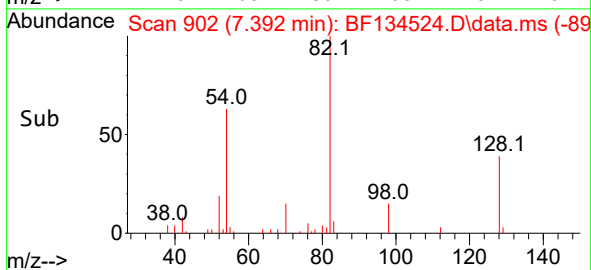
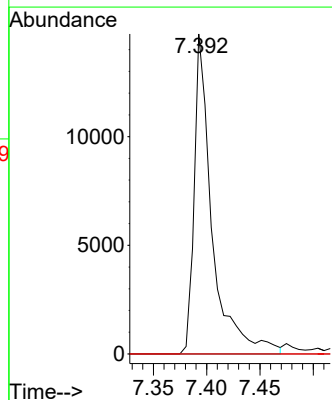
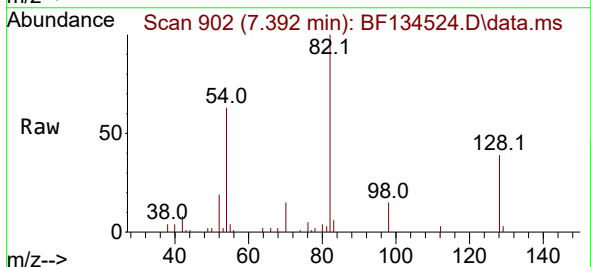
Instrument :
BNA_F
ClientSampleId :
OK-2-072523

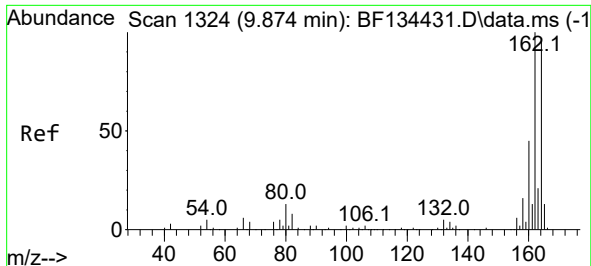
Tgt Ion: 82 Resp: 17249
Ion Ratio Lower Upper
82 100
128 39.2 34.3 51.5
54 63.1 43.8 65.6



#25
Isophorone
Concen: 2.515 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.259 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

Tgt Ion: 82 Resp: 17249
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#

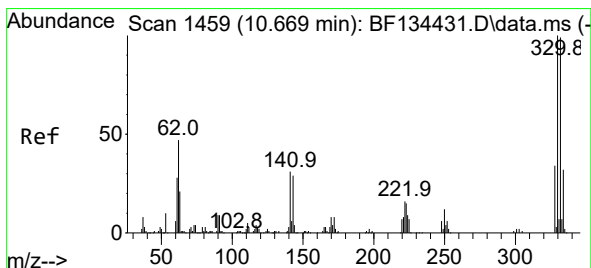
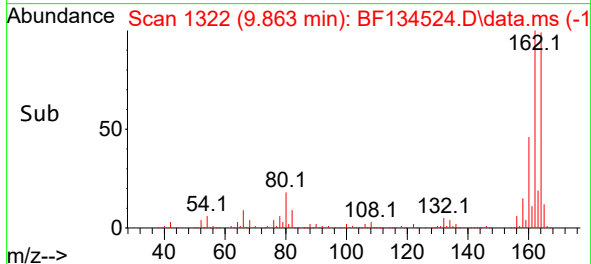
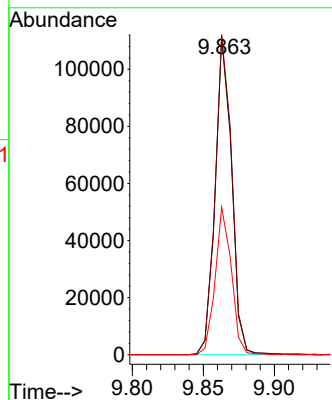
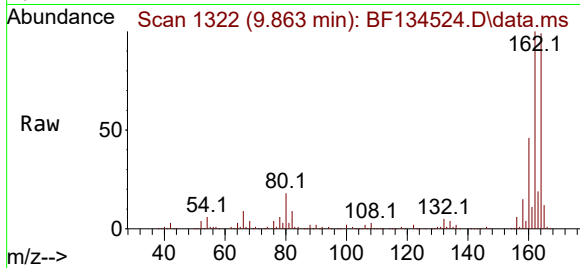




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

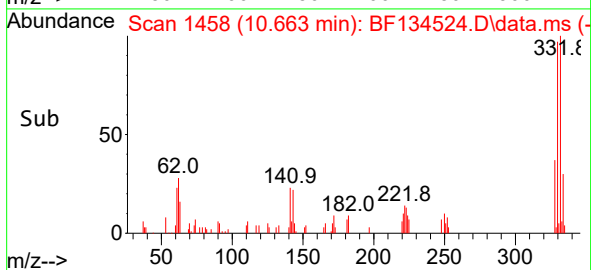
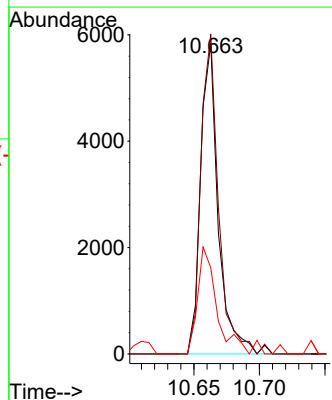
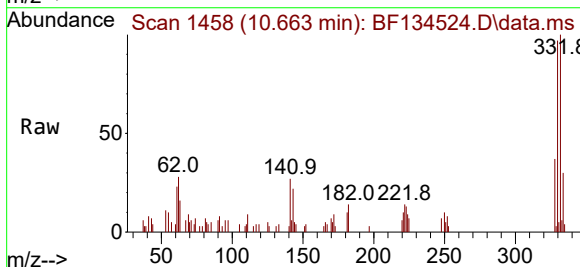
Instrument :
BNA_F
ClientSampleId :
OK-2-072523

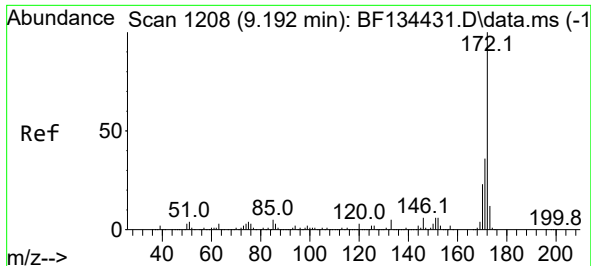
Tgt Ion:164 Resp: 89259
Ion Ratio Lower Upper
164 100
162 100.7 82.6 123.8
160 46.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 4.336 ng
RT: 10.663 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

Tgt Ion:330 Resp: 5499
Ion Ratio Lower Upper
330 100
332 103.2 78.8 118.2
141 36.8 25.4 38.2

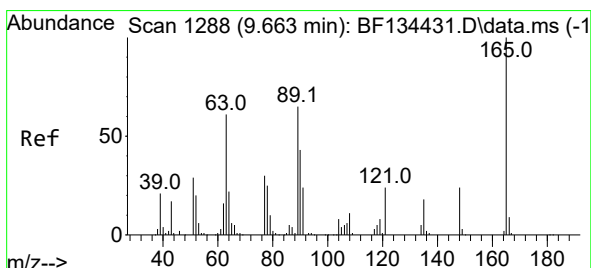
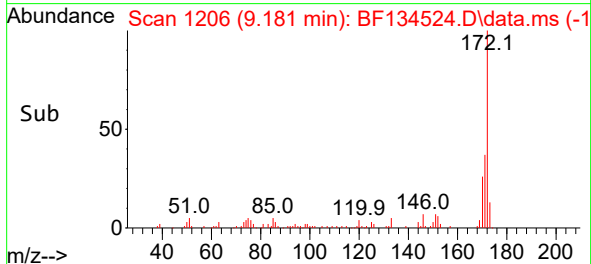
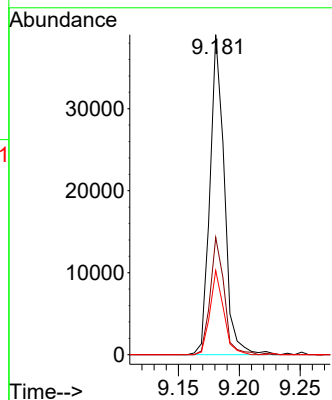
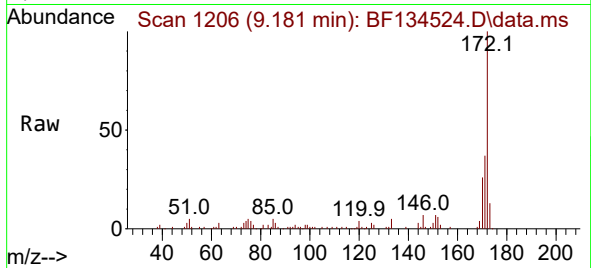




#45
2-Fluorobiphenyl
Concen: 4.728 ng
RT: 9.181 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

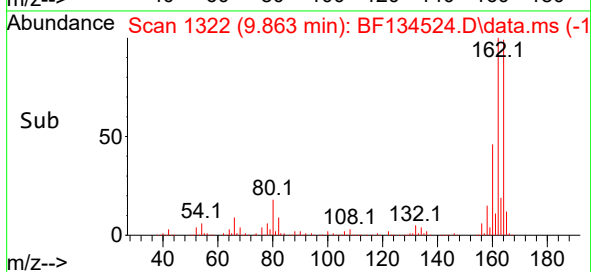
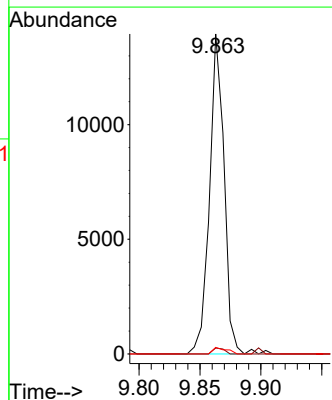
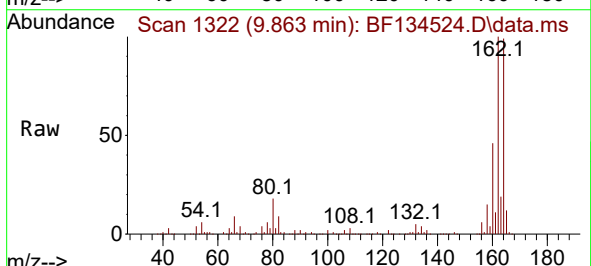
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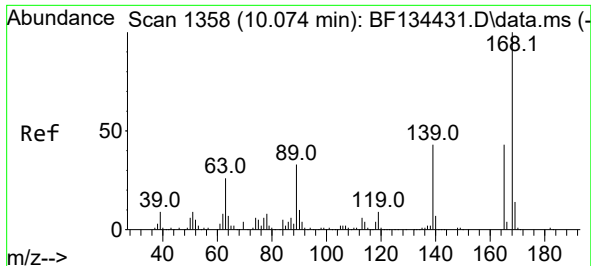
Tgt Ion:172 Resp: 32148
Ion Ratio Lower Upper
172 100
171 36.7 28.8 43.2
170 26.3 18.7 28.1



#51
2,6-Dinitrotoluene
Concen: 8.001 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.206 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

Tgt Ion:165 Resp: 11617
Ion Ratio Lower Upper
165 100
63 1.8 57.8 86.6#
89 2.0 51.8 77.8#

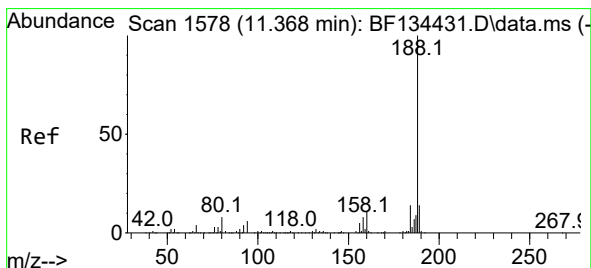
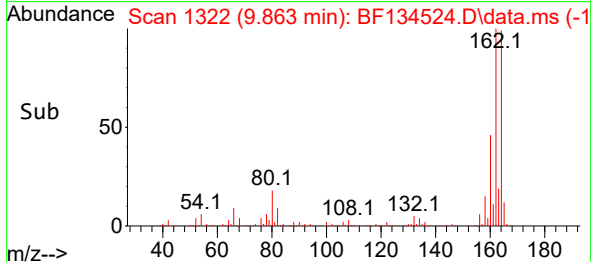
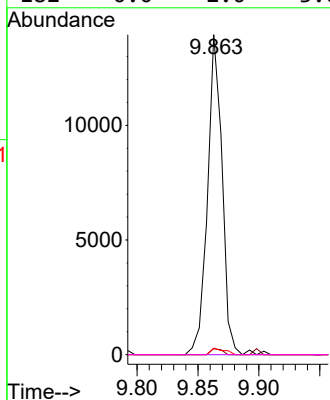
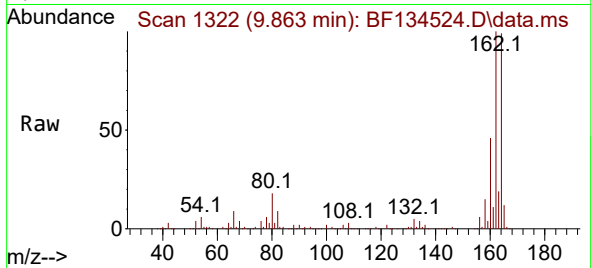




#57
2,4-Dinitrotoluene
Concen: 5.957 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

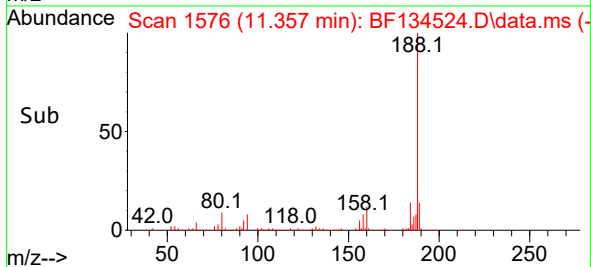
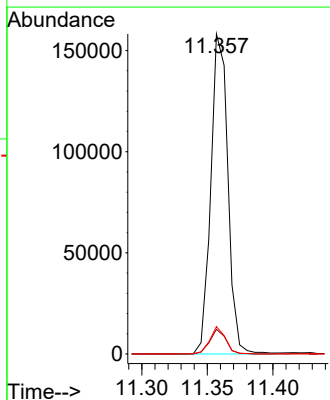
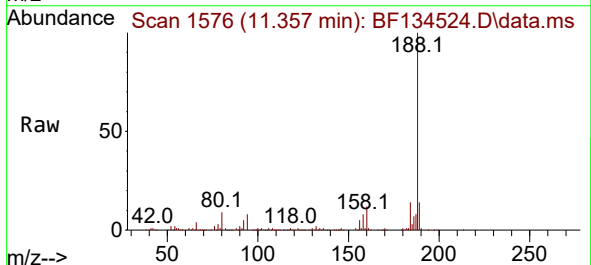
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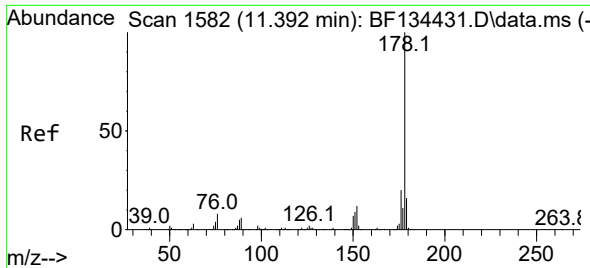
Tgt Ion:165 Resp: 11617
Ion Ratio Lower Upper
165 100
63 1.8 48.9 73.3#
89 2.0 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

Tgt Ion:188 Resp: 143327
Ion Ratio Lower Upper
188 100
94 7.7 5.1 7.7#
80 8.5 6.6 9.8

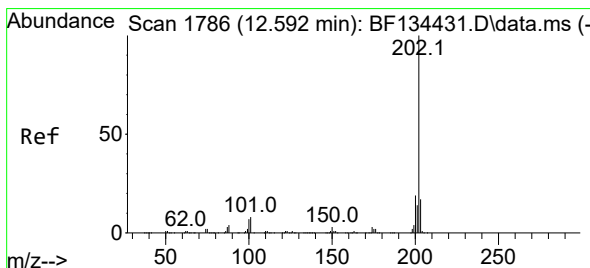
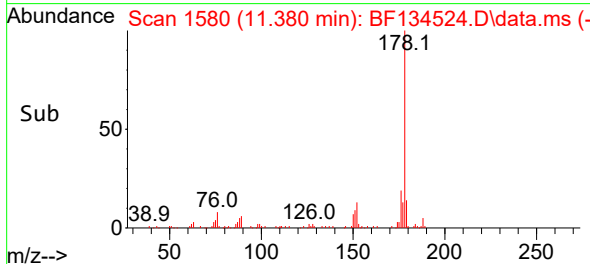
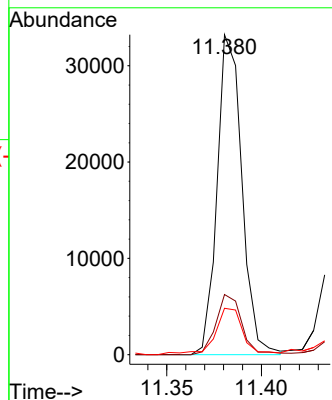
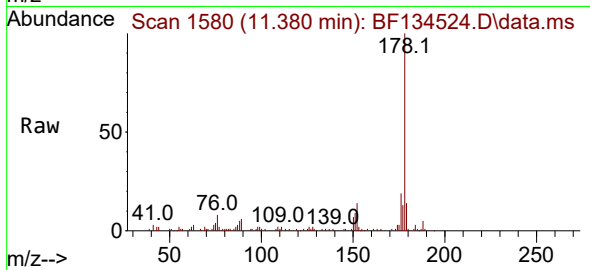




#71
Phenanthrene
Concen: 4.033 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

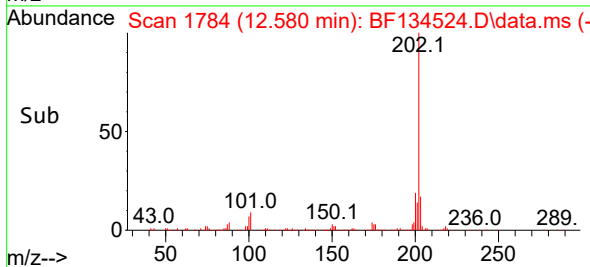
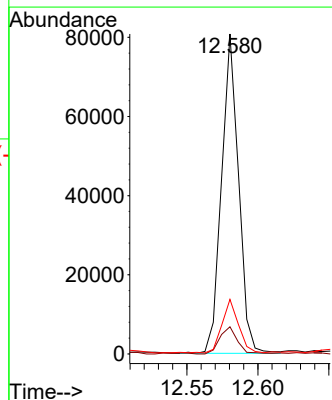
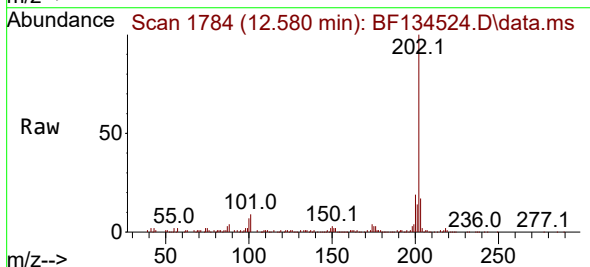
Instrument :
BNA_F
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OK-2-072523

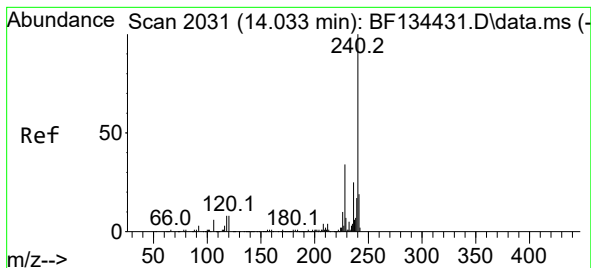
Tgt Ion:178 Resp: 30205
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 14.5 12.7 19.1



#75
Fluoranthene
Concen: 7.705 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BF134524.D
Acq: 28 Jul 2023 19:59

Tgt Ion:202 Resp: 67243
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.5
203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF134524.D

Acq: 28 Jul 2023 19:59

Instrument :

BNA_F

ClientSampleId :

OK-2-072523

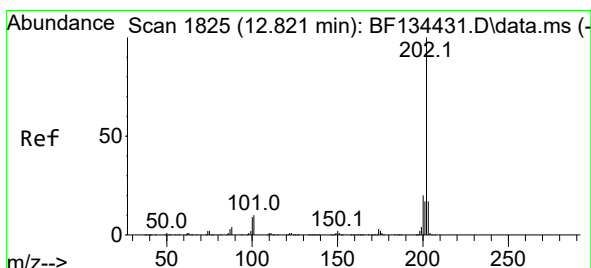
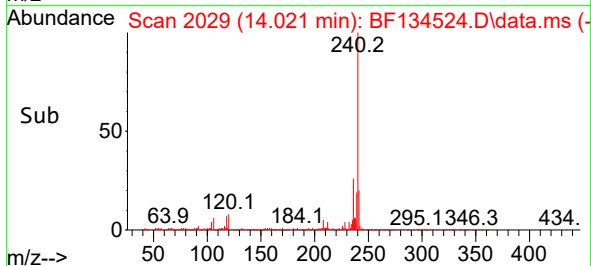
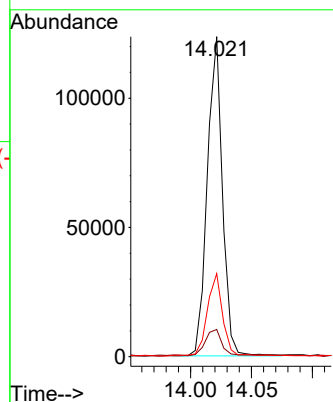
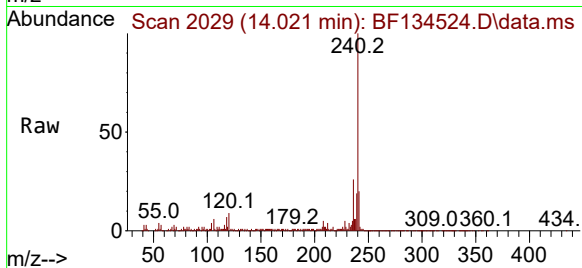
Tgt Ion:240 Resp: 106515

Ion Ratio Lower Upper

240 100

120 8.5 6.6 10.0

236 26.0 20.2 30.2



#78

Pyrene

Concen: 7.166 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.000 min

Lab File: BF134524.D

Acq: 28 Jul 2023 19:59

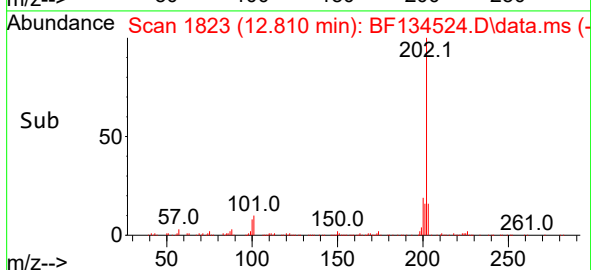
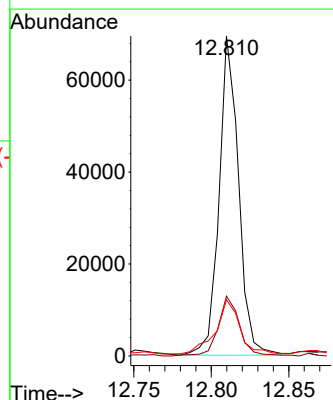
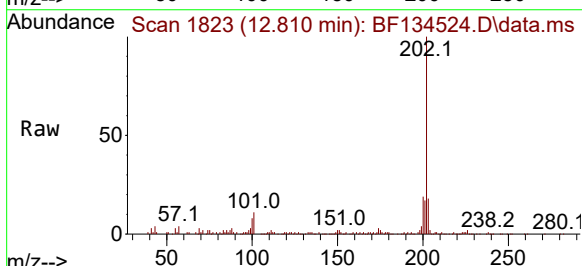
Tgt Ion:202 Resp: 60693

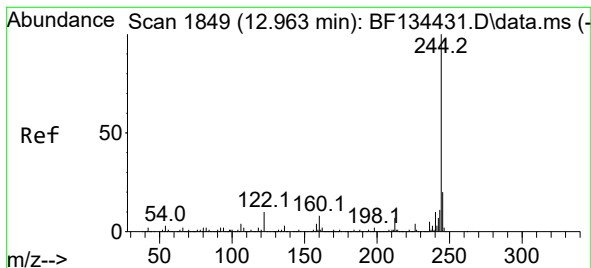
Ion Ratio Lower Upper

202 100

200 18.7 15.8 23.8

203 17.5 13.5 20.3





#79

Terphenyl-d14

Concen: 5.021 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.000 min

Lab File: BF134524.D

Acq: 28 Jul 2023 19:59

Instrument :

BNA_F

ClientSampleId :

OK-2-072523

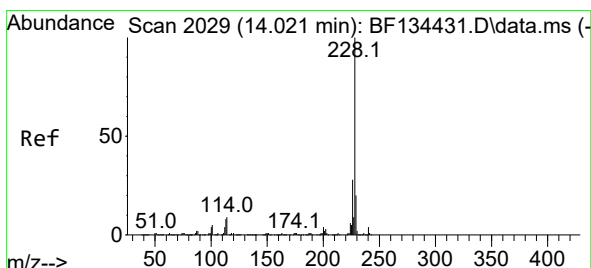
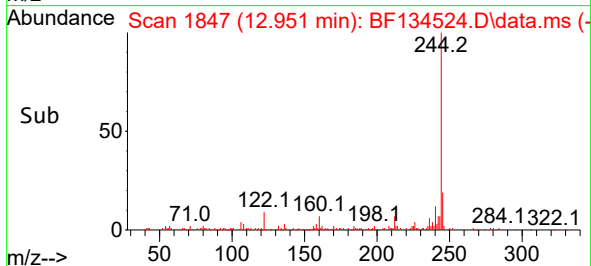
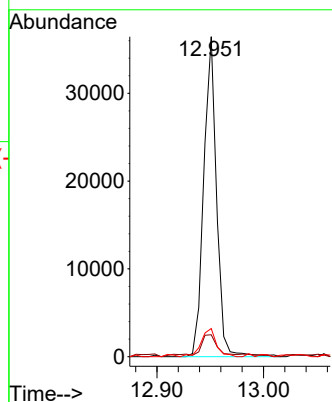
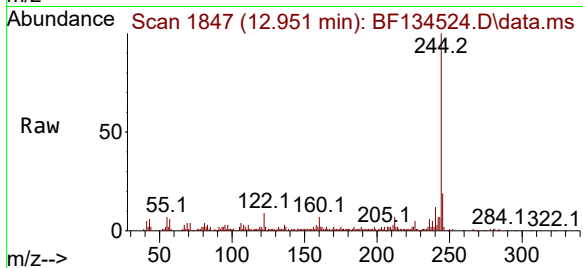
Tgt Ion:244 Resp: 30638

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 8.8 8.0 12.0



#81

Benzo(a)anthracene

Concen: 3.505 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF134524.D

Acq: 28 Jul 2023 19:59

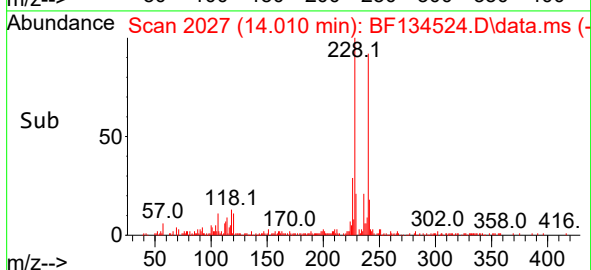
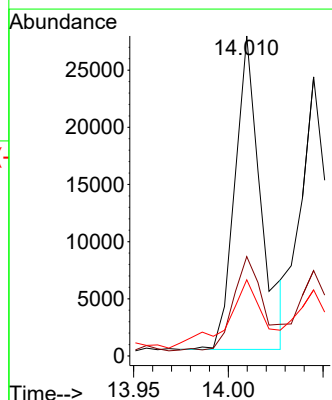
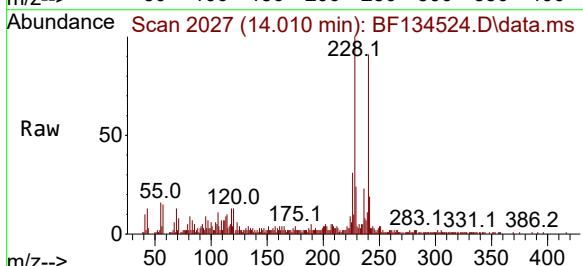
Tgt Ion:228 Resp: 26050

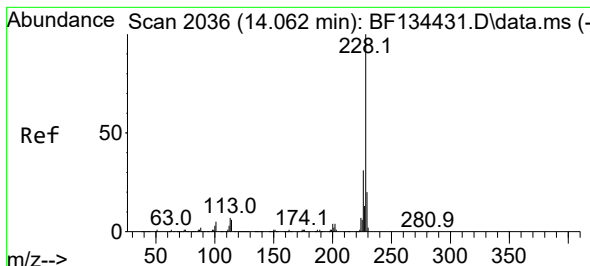
Ion Ratio Lower Upper

228 100

226 31.1 22.3 33.5

229 23.8 15.8 23.6#





#83

Chrysene

Concen: 3.232 ng

RT: 14.045 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF134524.D

Acq: 28 Jul 2023 19:59

Instrument :

BNA_F

ClientSampleId :

OK-2-072523

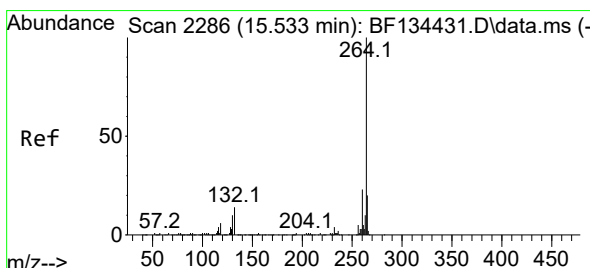
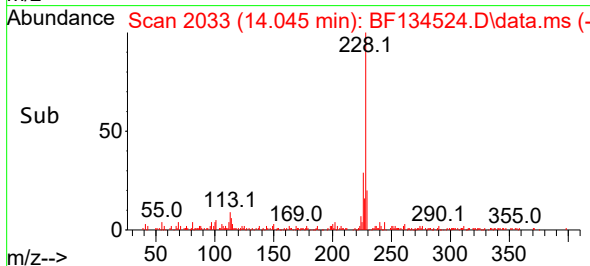
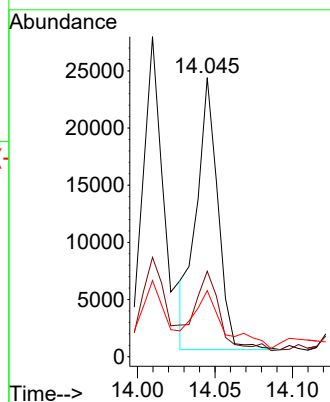
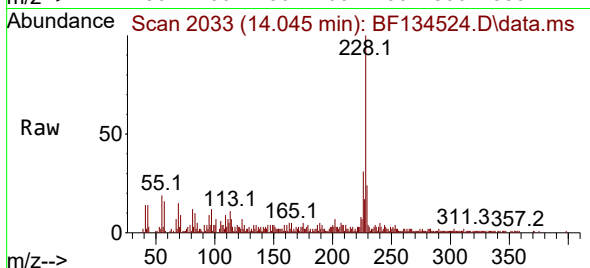
Tgt Ion:228 Resp: 22975

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

229 23.7 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF134524.D

Acq: 28 Jul 2023 19:59

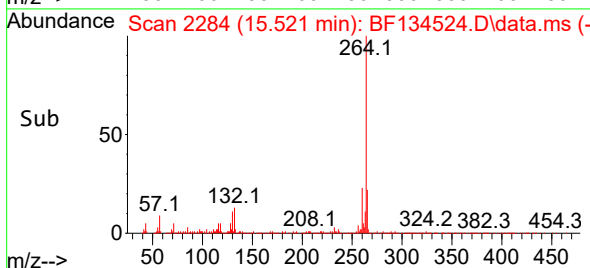
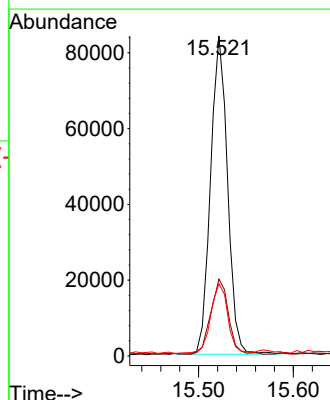
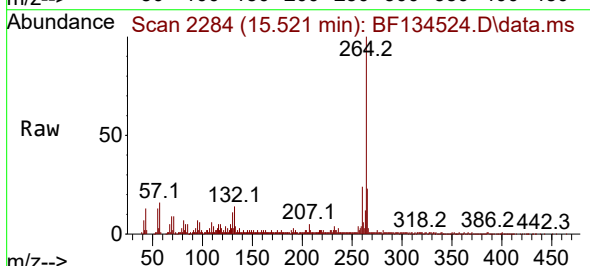
Tgt Ion:264 Resp: 104457

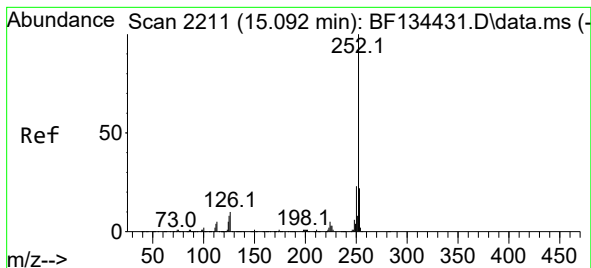
Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 22.6 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 4.691 ng

RT: 15.080 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134524.D

Acq: 28 Jul 2023 19:59

Instrument :

BNA_F

ClientSampleId :

OK-2-072523

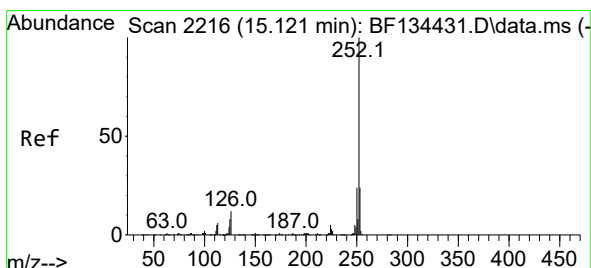
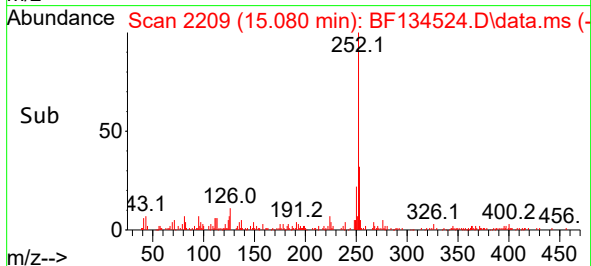
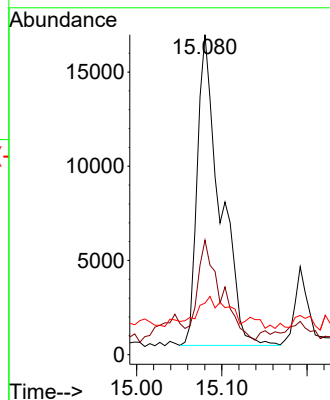
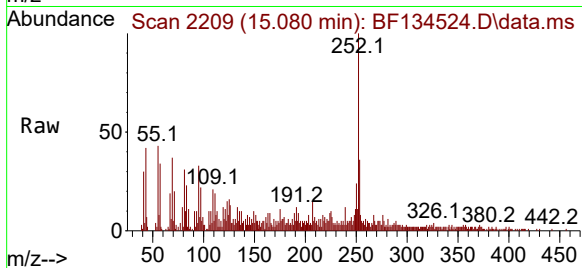
Tgt Ion:252 Resp: 30658

Ion Ratio Lower Upper

252 100

253 35.8 17.3 25.9#

125 16.1 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 4.771 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.023 min

Lab File: BF134524.D

Acq: 28 Jul 2023 19:59

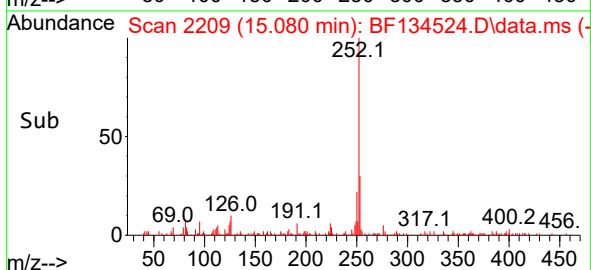
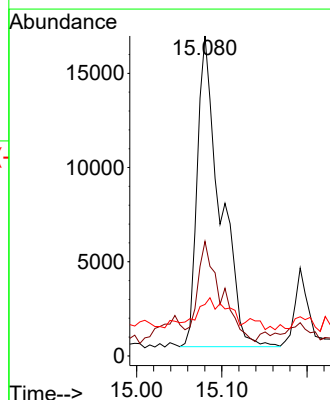
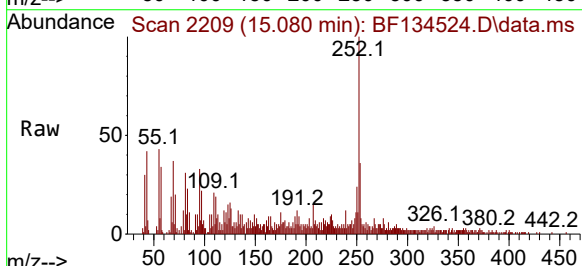
Tgt Ion:252 Resp: 30658

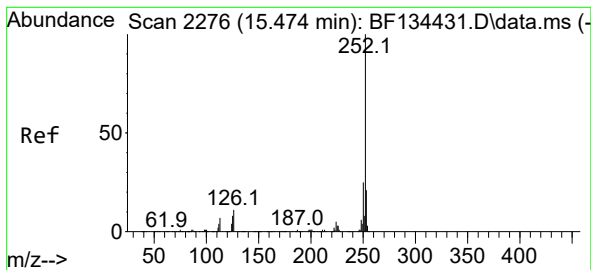
Ion Ratio Lower Upper

252 100

253 35.8 17.9 26.9#

125 16.1 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 3.201 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134524.D

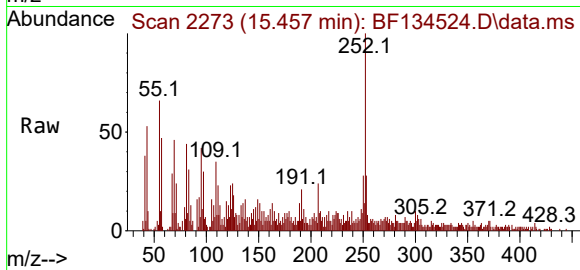
Acq: 28 Jul 2023 19:59

Instrument :

BNA_F

ClientSampleId :

OK-2-072523



Tgt Ion:252 Resp: 19337

Ion Ratio Lower Upper

252 100

253 28.0 17.0 25.4#

125 24.4 6.2 9.4#

