

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133590.D
 Acq On : 06 Jun 2023 14:22
 Operator : CG\JU
 Sample : 03006-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-3-060123

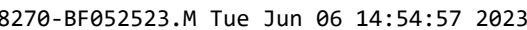
Quant Time: Jun 06 14:54:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

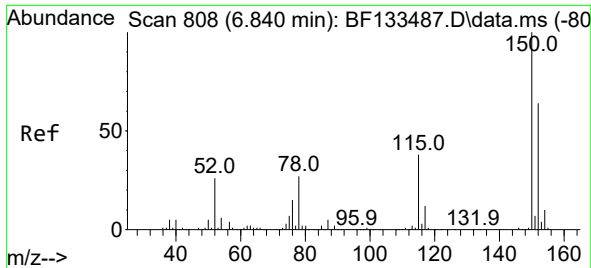
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	127397	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	453571	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	190106	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	305052	20.000	ng	0.00
76) Chrysene-d12	14.010	240	173899	20.000	ng	0.00
86) Perylene-d12	15.474	264	136371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	556790	72.920	ng	0.00
7) Phenol-d6	6.457	99	676301	71.951	ng	0.00
23) Nitrobenzene-d5	7.398	82	439316	64.670	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	141645	74.746	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	745271	60.507	ng	0.00
79) Terphenyl-d14	12.951	244	589612	60.283	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	248	Below Cal	#	74
19) n-Nitroso-di-n-propyla...	7.398	70	58990	9.700	ng	# 76
25) Isophorone	7.398	82	436301	27.558	ng	# 65
26) 2-Nitrophenol	7.734	139	1019	5.019	ng	# 1
32) Benzoic acid	7.910	122	683	7.480	ng	# 17
48) 2-Nitroaniline	9.410	65	776	4.189	ng	# 59
51) 2,6-Dinitrotoluene	9.633	165	1917	4.379	ng	# 40
53) 3-Nitroaniline	9.851	138	1705	3.680	ng	# 22
54) 2,4-Dinitrophenol	10.051	184	57	6.570	ng	# 1
57) 2,4-Dinitrotoluene	10.080	165	1287	5.114	ng	# 61
62) 4-Nitroaniline	10.451	138	349	3.087	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.475	198	70	8.757	ng	# 1
71) Phenanthrene	11.386	178	129390	8.374	ng	99
72) Anthracene	11.433	178	39329	2.473	ng	94
75) Fluoranthene	12.580	202	392319	22.988	ng	97
78) Pyrene	12.810	202	377594	25.516	ng	99
81) Benzo(a)anthracene	13.998	228	152642	13.176	ng	97
83) Chrysene	14.033	228	148292	12.680	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	90000	10.361	ng	92
88) Benzo(b)fluoranthene	15.045	252	240266	27.057	ng	# 88
89) Benzo(k)fluoranthene	15.045	252	240266	27.748	ng	# 89
90) Benzo(a)pyrene	15.410	252	131151	16.231	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	21049	2.989	ng	# 75
92) Benzo(g,h,i)perylene	17.374	276	88733	12.495	ng	99

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

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QLast Update : Tue Jun 06 14:05:12 2023
Response via : Initial Calibration

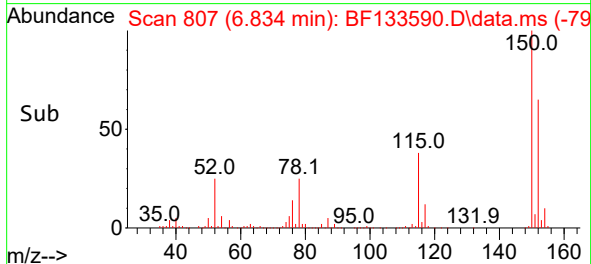
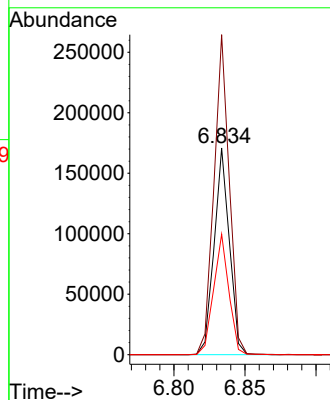
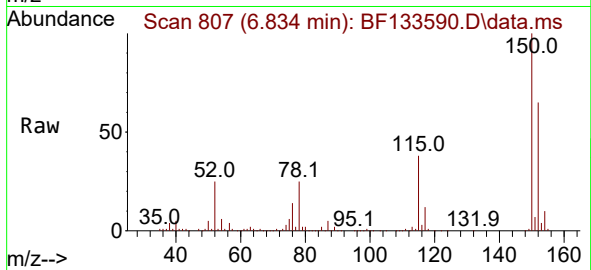




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

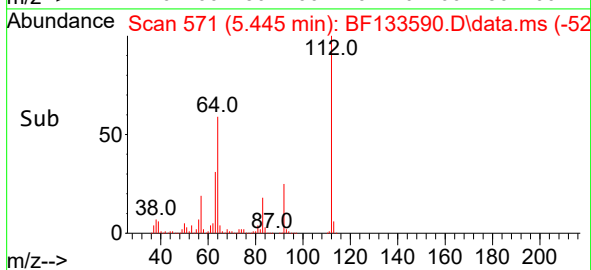
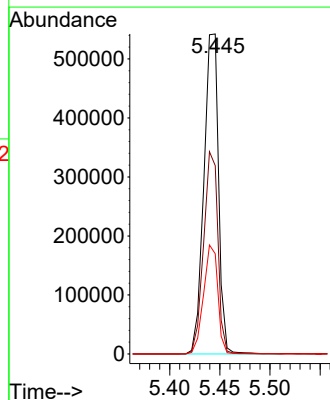
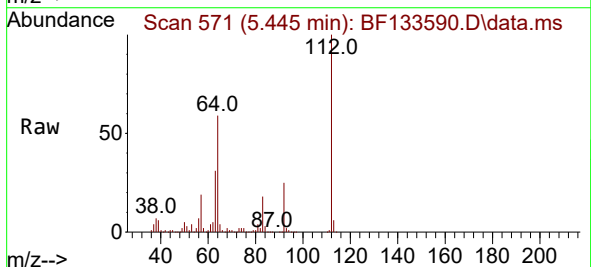
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BNA_F
ClientSampleId :
EO-3-060123

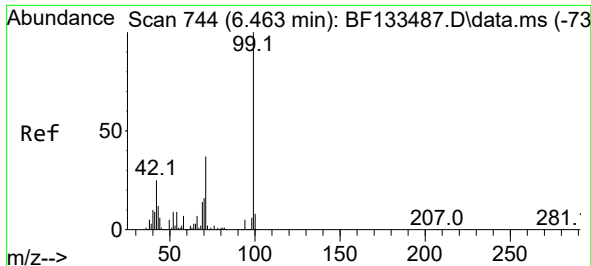
Tgt Ion:152 Resp: 127397
Ion Ratio Lower Upper
152 100
150 154.8 124.9 187.3
115 58.3 48.1 72.1



#5
2-Fluorophenol
Concen: 72.920 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:112 Resp: 556790
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 31.3 27.5 41.3

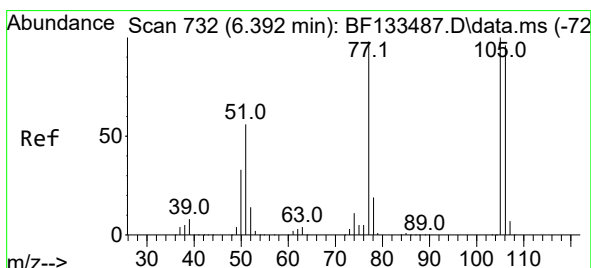
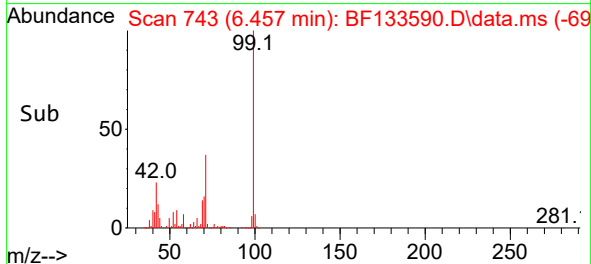
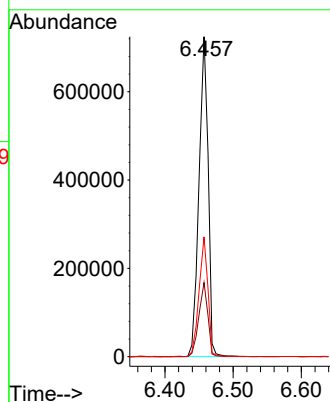
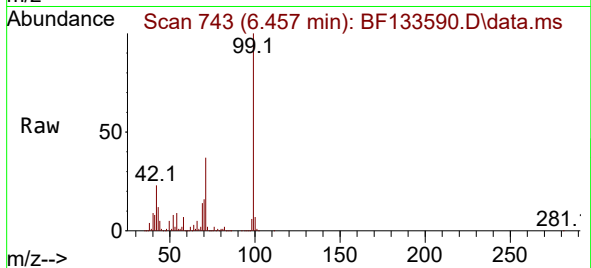




#7
Phenol-d6
Concen: 71.951 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

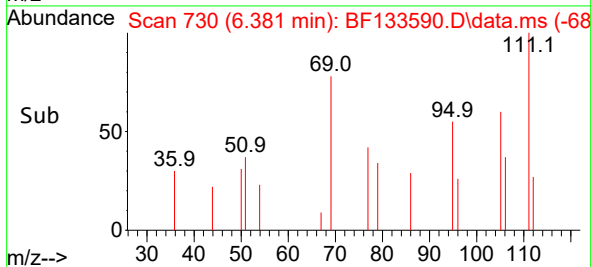
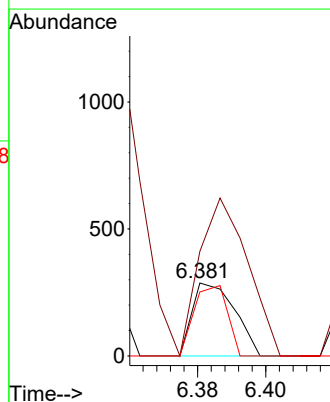
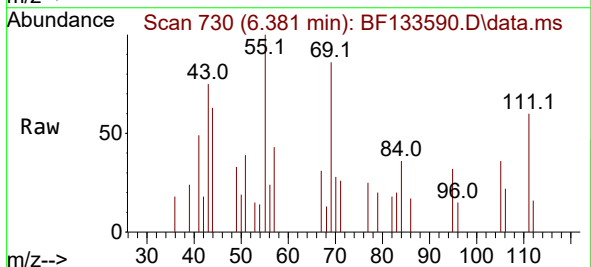
Instrument :
BNA_F
ClientSampleId :
EO-3-060123

Tgt Ion: 99 Resp: 676301
Ion Ratio Lower Upper
99 100
42 23.2 19.7 29.5
71 37.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion: 77 Resp: 248
Ion Ratio Lower Upper
77 100
105 143.6 81.9 121.9#
106 87.8 77.8 117.8

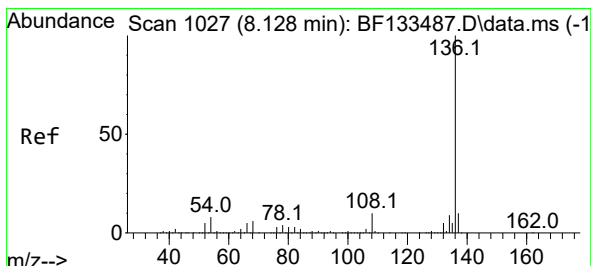
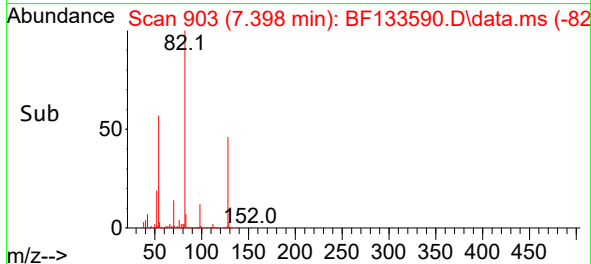
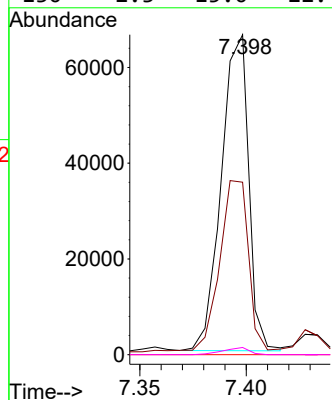
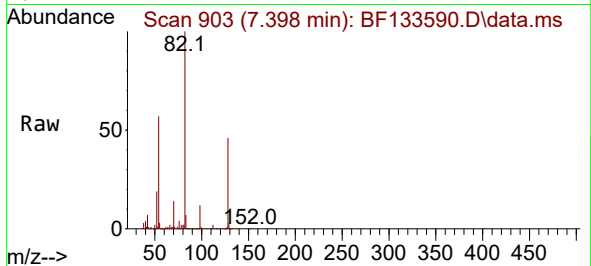




#19
n-Nitroso-di-n-propylamine
Concen: 9.700 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

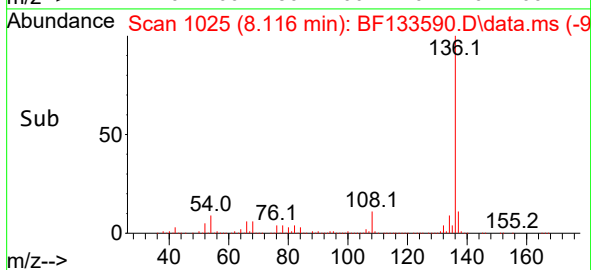
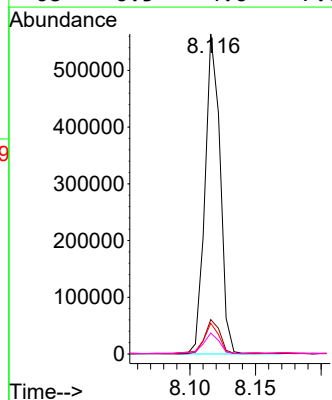
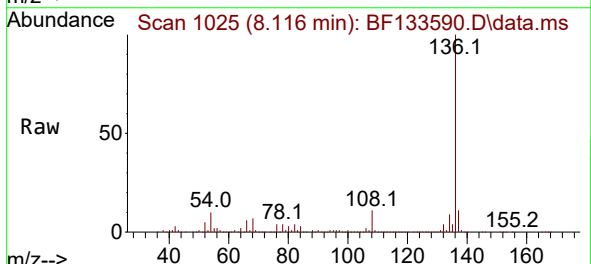
Instrument :
BNA_F
ClientSampleId :
EO-3-060123

Tgt Ion: 70 Resp: 58990
Ion Ratio Lower Upper
70 100
42 53.9 57.2 85.8#
101 0.0 7.3 10.9#
130 2.3 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion: 136 Resp: 453571
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 9.6 6.6 10.0
68 6.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 64.670 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

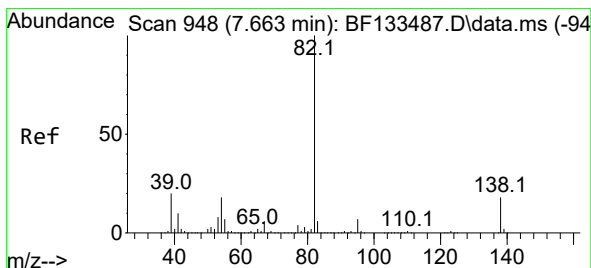
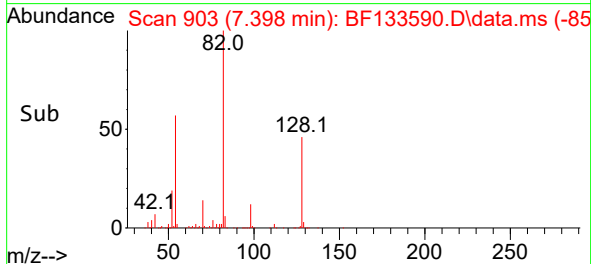
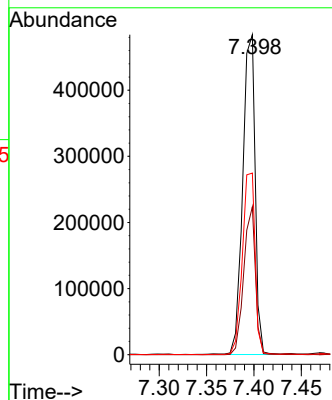
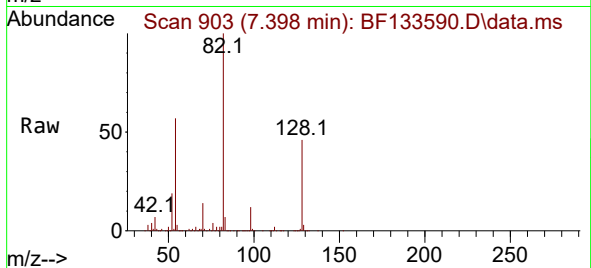
Tgt Ion: 82 Resp: 439316

Ion Ratio Lower Upper

82 100

128 46.2 34.2 51.4

54 56.7 48.2 72.4



#25

Isophorone

Concen: 27.558 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

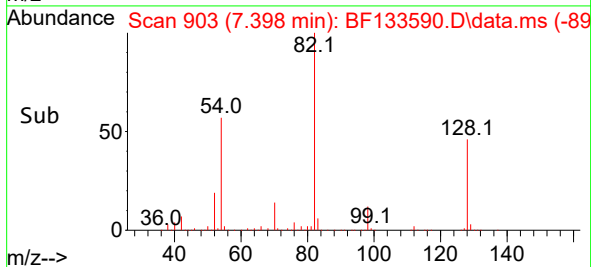
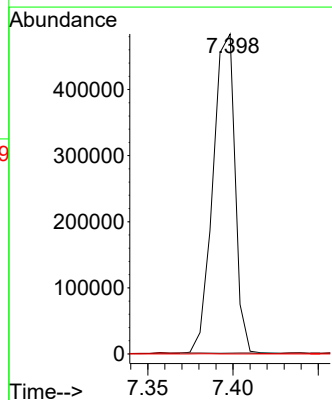
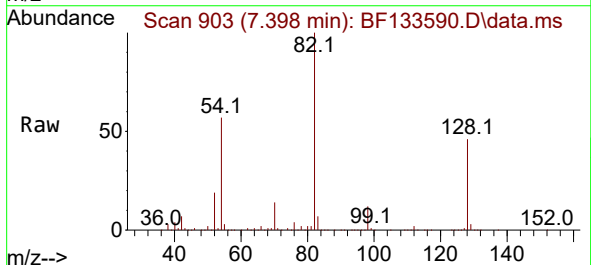
Tgt Ion: 82 Resp: 436301

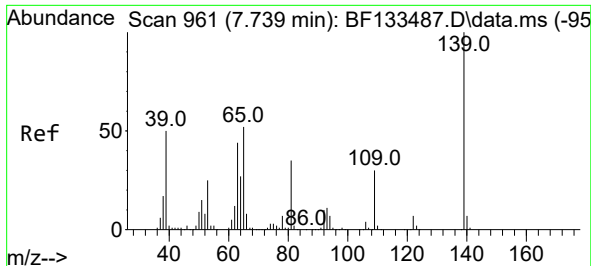
Ion Ratio Lower Upper

82 100

95 0.3 5.7 8.5#

138 0.0 14.2 21.4#

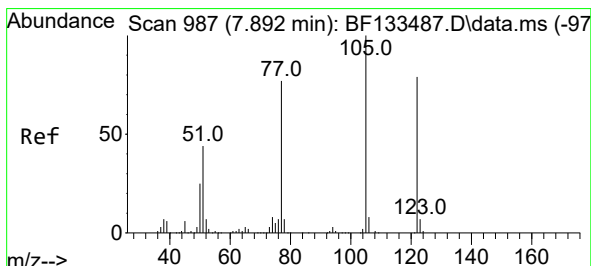
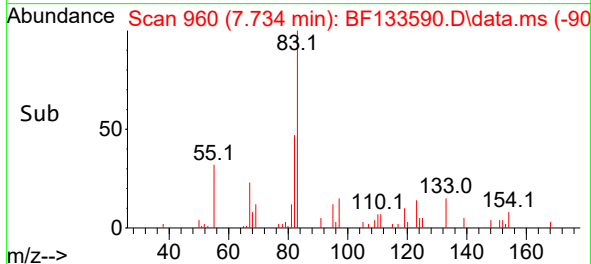
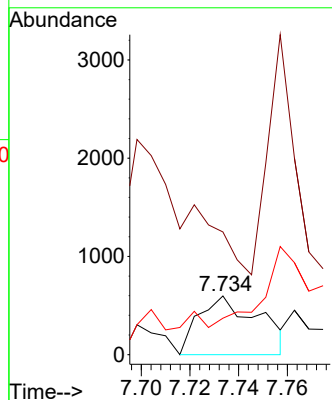
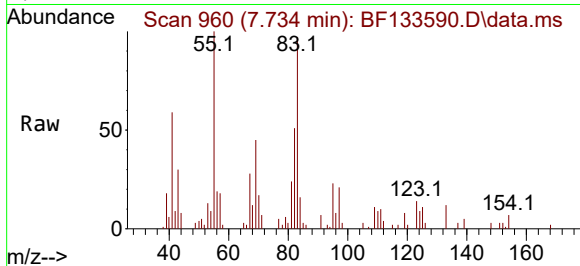




#26
2-Nitrophenol
Concen: 5.019 ng
RT: 7.734 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

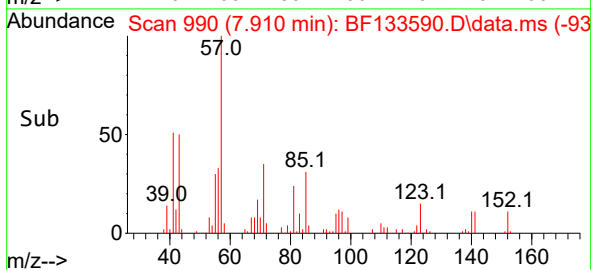
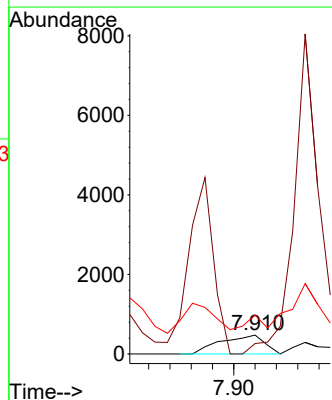
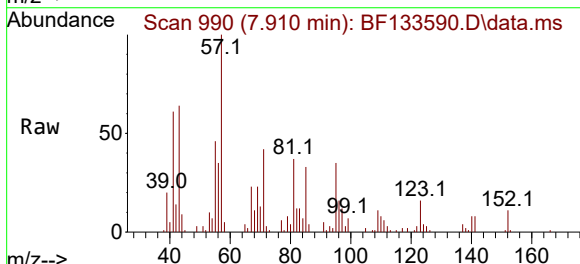
Instrument :
BNA_F
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EO-3-060123

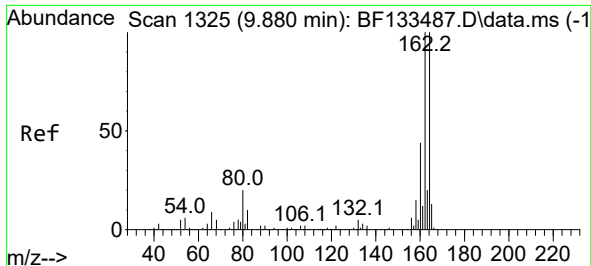
Tgt Ion:139 Resp: 1019
Ion Ratio Lower Upper
139 100
109 208.9 24.0 36.0#
65 62.0 41.7 62.5



#32
Benzoic acid
Concen: 7.480 ng
RT: 7.910 min Scan# 990
Delta R.T. 0.024 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:122 Resp: 683
Ion Ratio Lower Upper
122 100
105 55.0 103.3 143.3#
77 205.9 75.7 115.7#

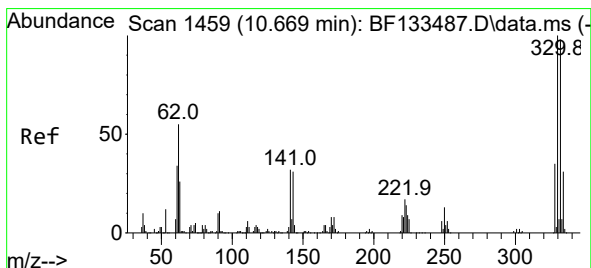
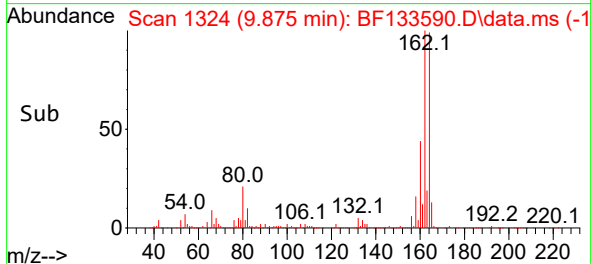
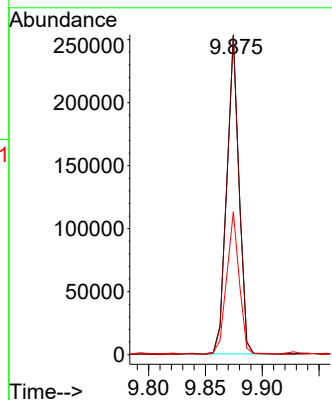
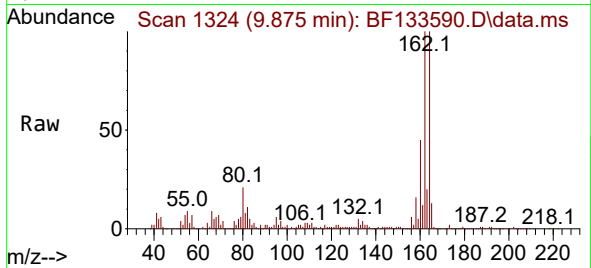




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

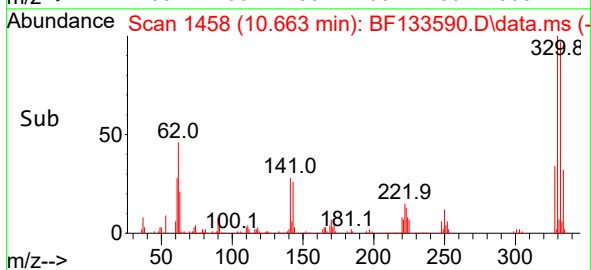
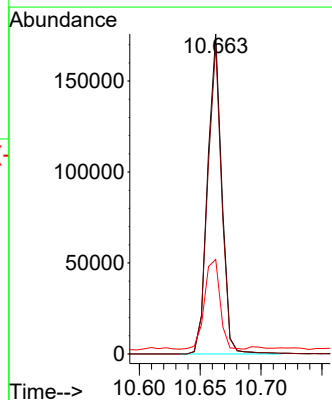
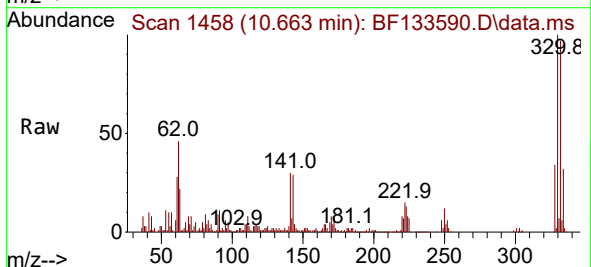
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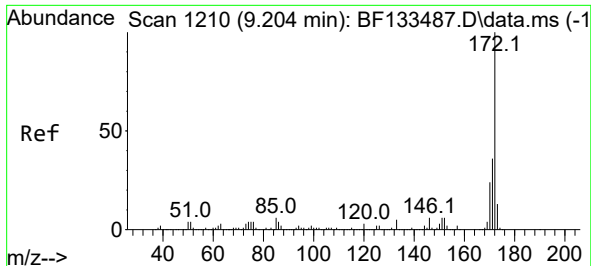
Tgt Ion:164 Resp: 190106
Ion Ratio Lower Upper
164 100
162 100.5 79.7 119.5
160 44.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 74.746 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:330 Resp: 141645
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.6
141 30.9 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 60.507 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

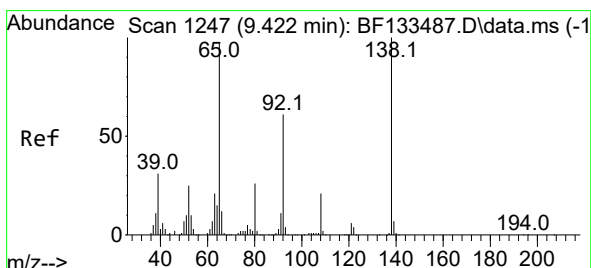
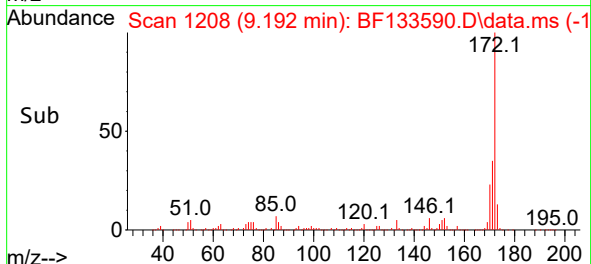
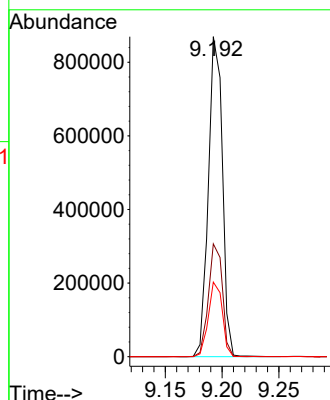
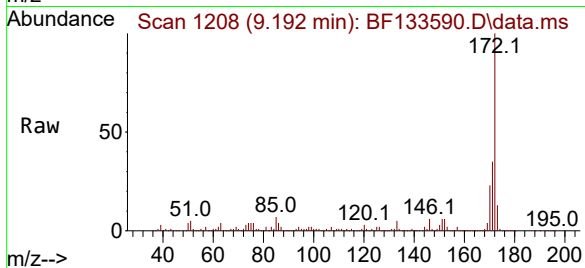
Tgt Ion:172 Resp: 745271

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.3 19.3 28.9



#48

2-Nitroaniline

Concen: 4.189 ng

RT: 9.410 min Scan# 1245

Delta R.T. -0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

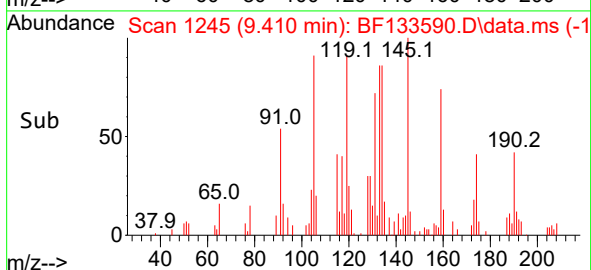
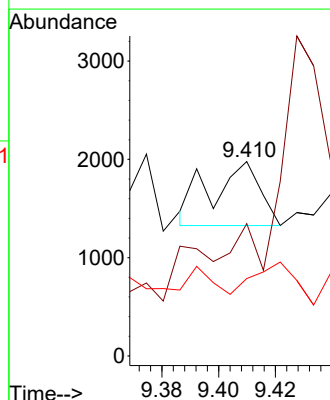
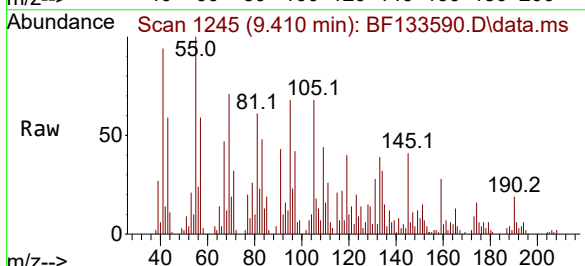
Tgt Ion: 65 Resp: 776

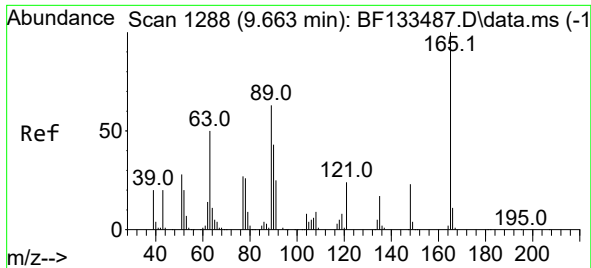
Ion Ratio Lower Upper

65 100

92 68.1 50.8 76.2

138 39.8 82.6 124.0#

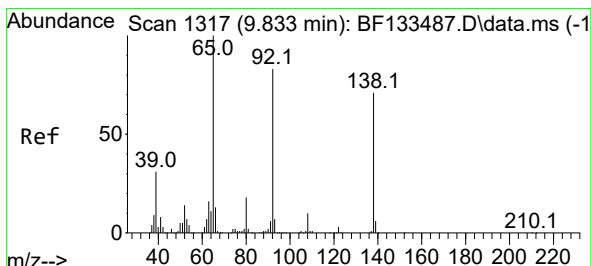
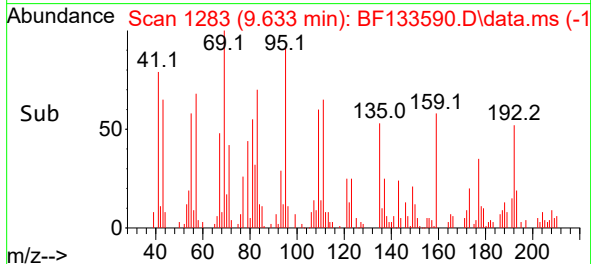
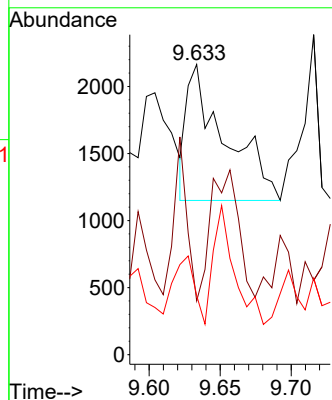
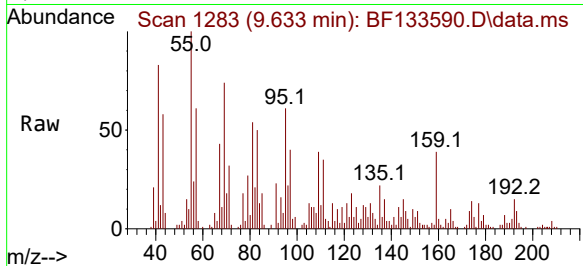




#51
2,6-Dinitrotoluene
Concen: 4.379 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

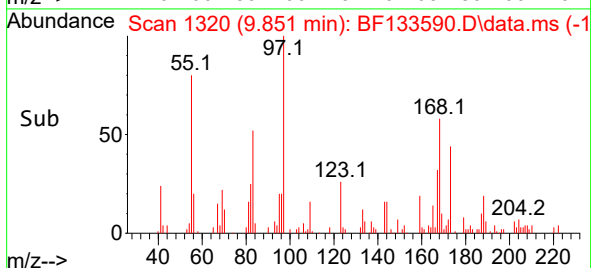
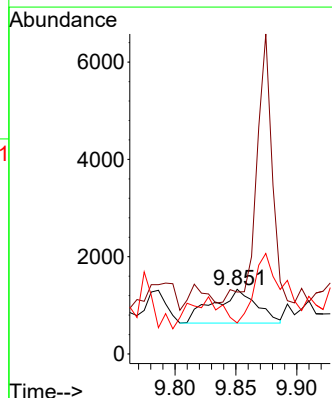
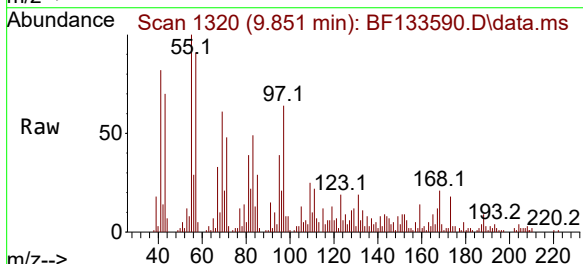
Instrument :
BNA_F
ClientSampleId :
EO-3-060123

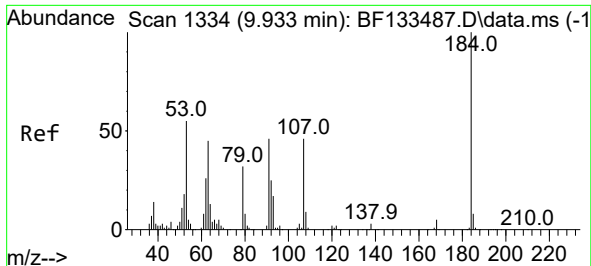
Tgt Ion:165 Resp: 1917
Ion Ratio Lower Upper
165 100
63 18.5 57.0 85.4#
89 20.4 50.8 76.2#



#53
3-Nitroaniline
Concen: 3.680 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.018 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:138 Resp: 1705
Ion Ratio Lower Upper
138 100
108 96.0 11.9 17.9#
92 48.0 93.1 139.7#

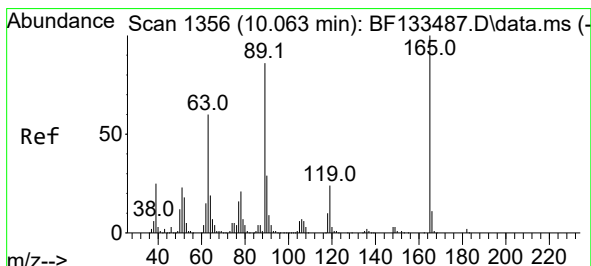
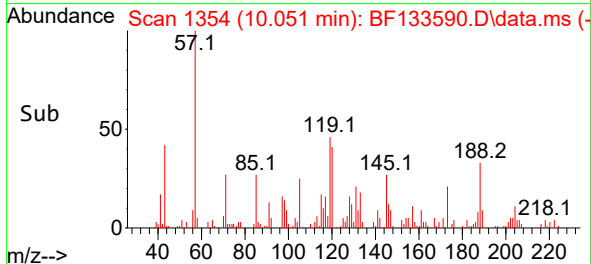
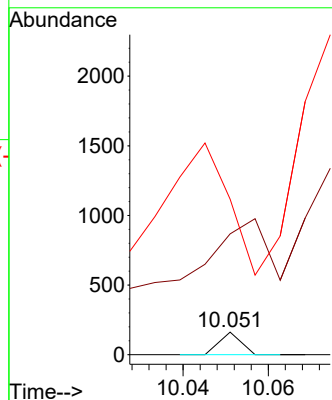
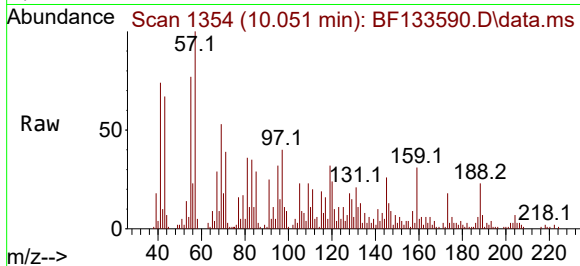




#54
2,4-Dinitrophenol
Concen: 6.570 ng
RT: 10.051 min Scan# 1354
Delta R.T. 0.118 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

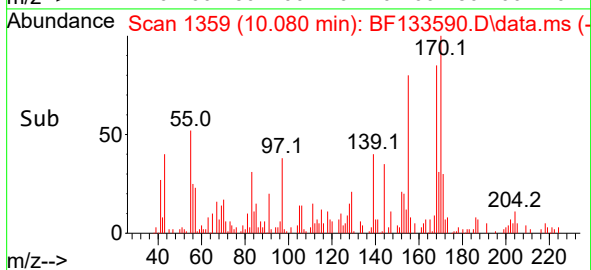
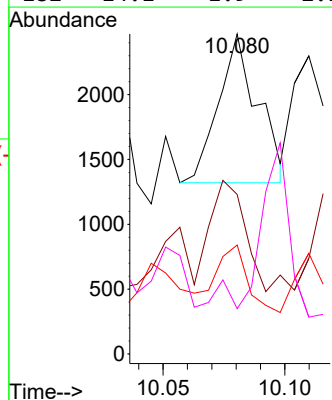
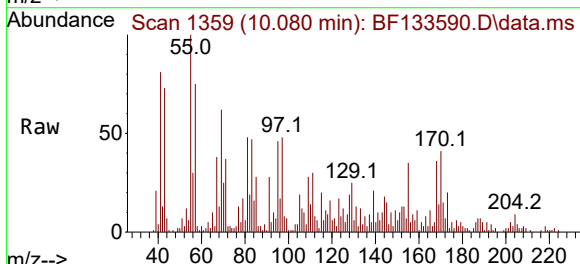
Instrument :
BNA_F
ClientSampleId :
EO-3-060123

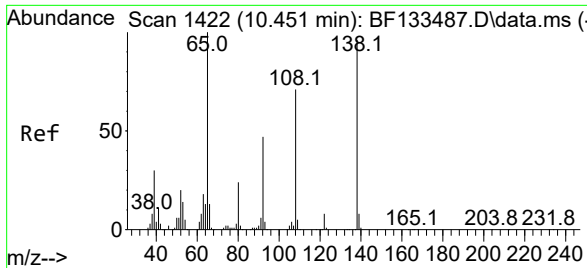
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 535.2 55.7 83.5#
154 689.5 49.3 73.9#



#57
2,4-Dinitrotoluene
Concen: 5.114 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.018 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:165 Resp: 1287
Ion Ratio Lower Upper
165 100
63 49.8 48.1 72.1
89 34.1 68.4 102.6#
182 14.1 1.9 2.9#

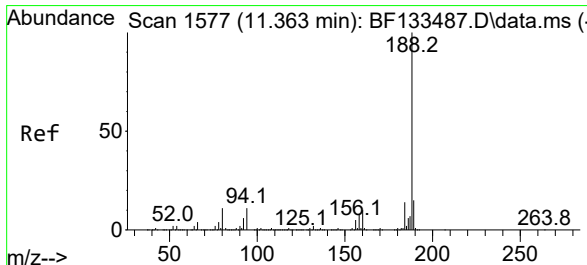
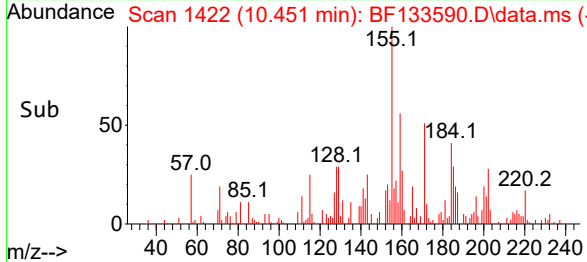
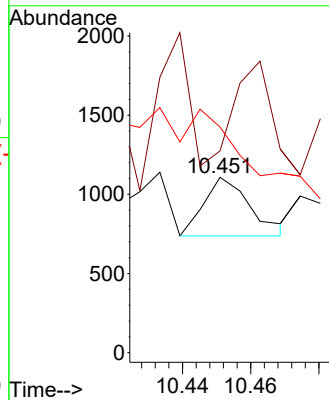
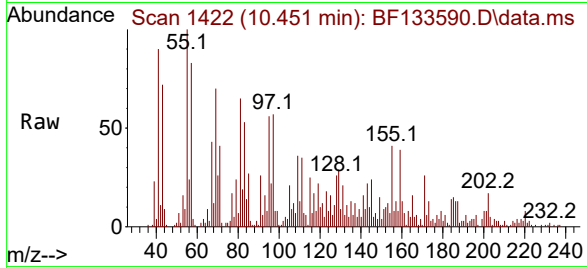




#62
4-Nitroaniline
Concen: 3.087 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

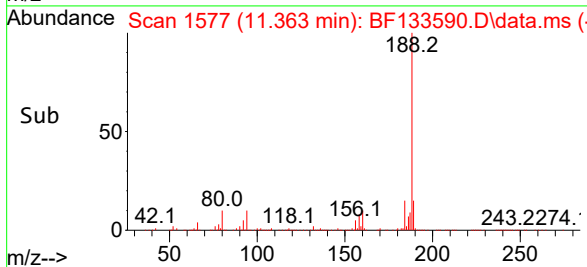
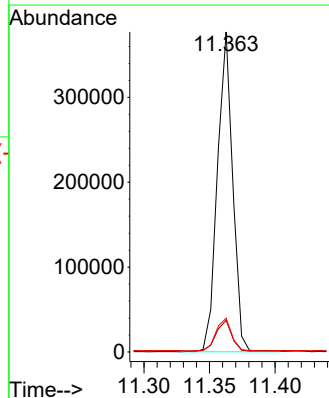
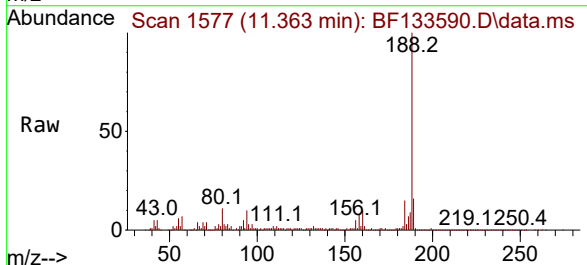
Instrument :
BNA_F
ClientSampleId :
EO-3-060123

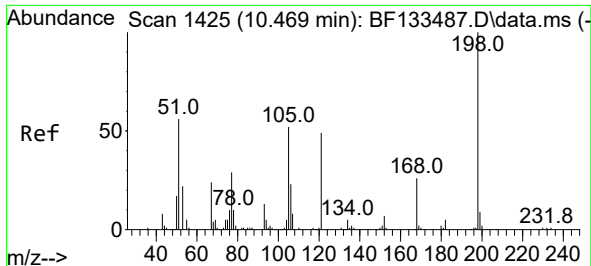
Tgt Ion:138 Resp: 349
Ion Ratio Lower Upper
138 100
92 115.1 28.4 68.4#
108 128.7 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:188 Resp: 305052
Ion Ratio Lower Upper
188 100
94 9.9 8.6 12.8
80 10.5 9.2 13.8

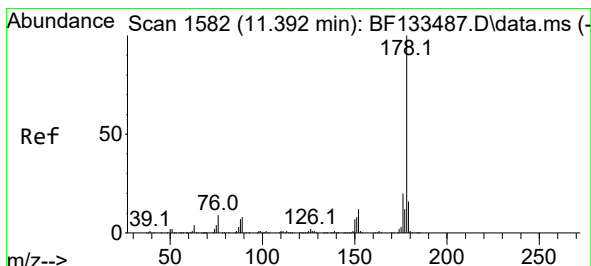
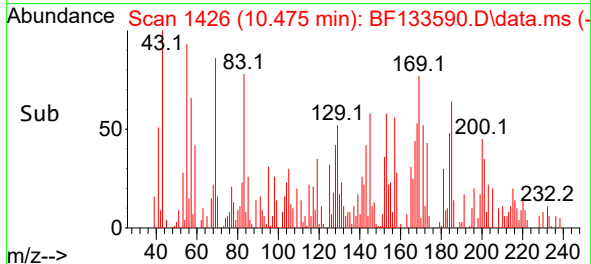
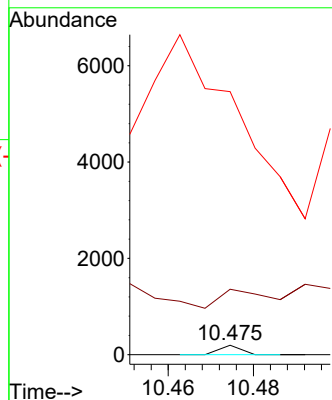
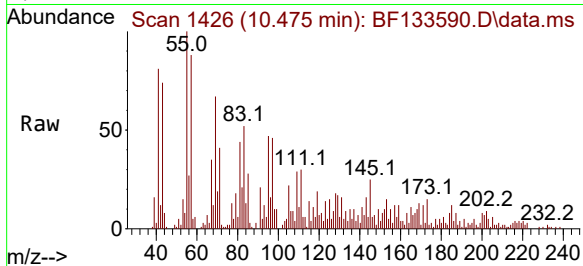




#65
4,6-Dinitro-2-methylphenol
Concen: 8.757 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

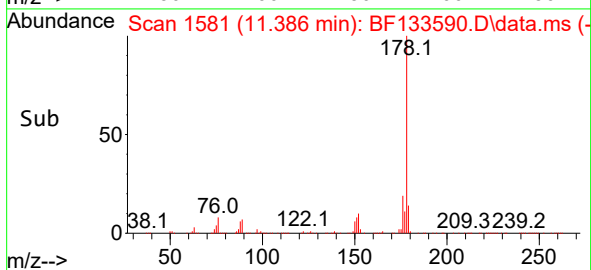
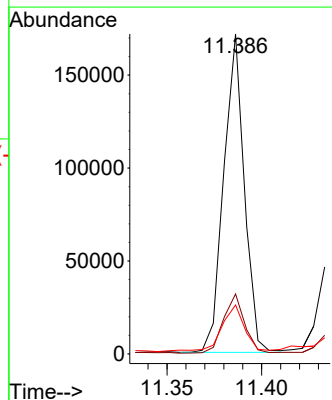
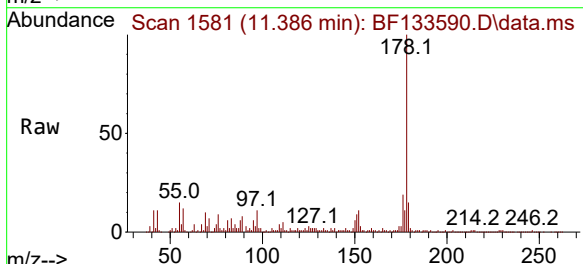
Instrument :
BNA_F
ClientSampleId :
EO-3-060123

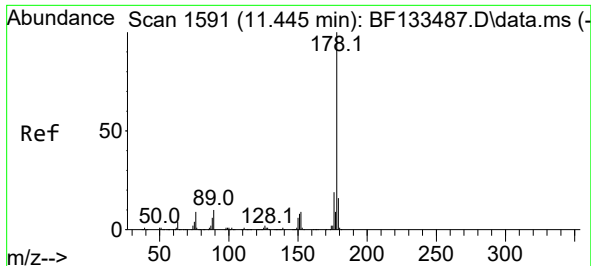
Tgt Ion:198 Resp: 70
Ion Ratio Lower Upper
198 100
51 690.9 53.6 93.6#
105 2773.1 35.9 75.9#



#71
Phenanthrene
Concen: 8.374 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:178 Resp: 129390
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.3 12.4 18.6

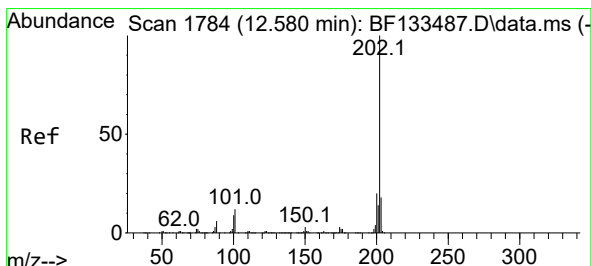
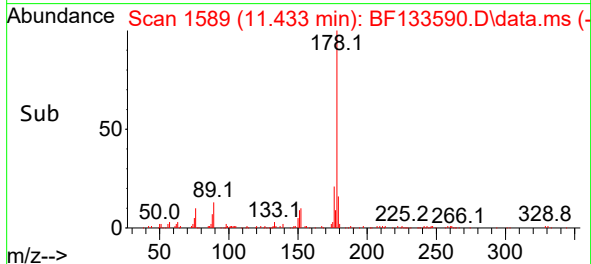
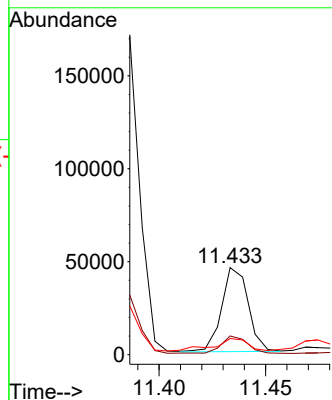
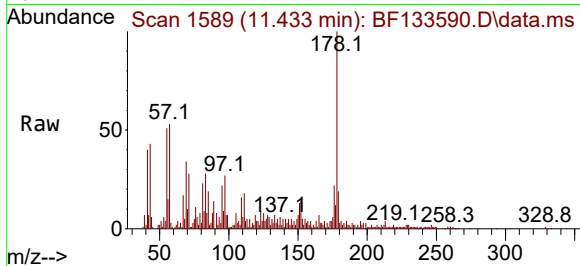




#72
 Anthracene
 Concen: 2.473 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF133590.D
 Acq: 06 Jun 2023 14:22

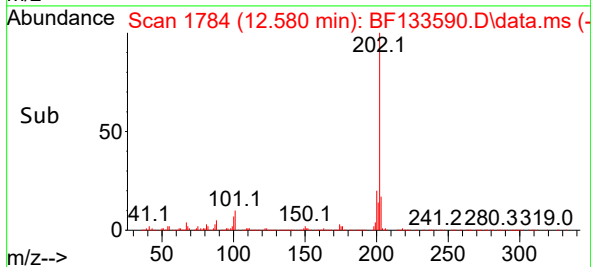
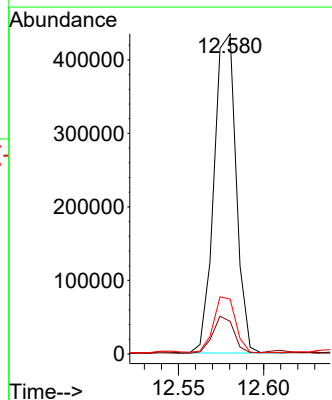
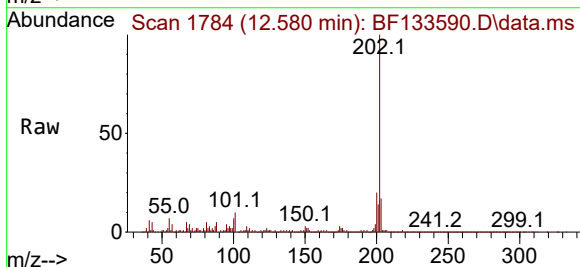
Instrument :
 BNA_F
 ClientSampleId :
 EO-3-060123

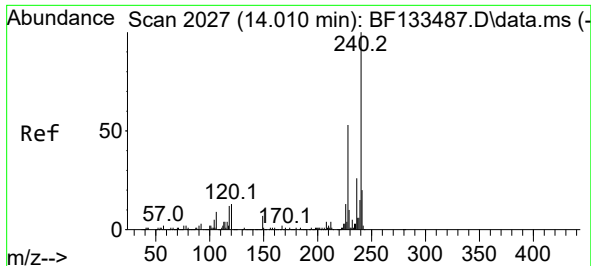
Tgt Ion:178 Resp: 39329
 Ion Ratio Lower Upper
 178 100
 176 21.5 15.3 22.9
 179 18.6 12.6 18.8



#75
 Fluoranthene
 Concen: 22.988 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BF133590.D
 Acq: 06 Jun 2023 14:22

Tgt Ion:202 Resp: 392319
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 32.2
 203 17.1 0.0 37.8

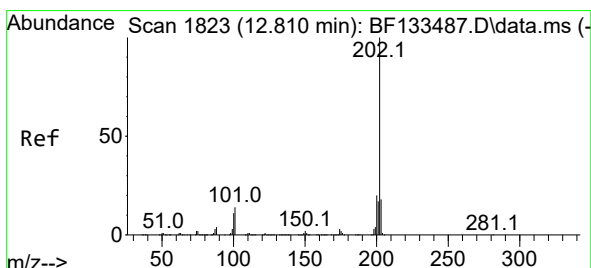
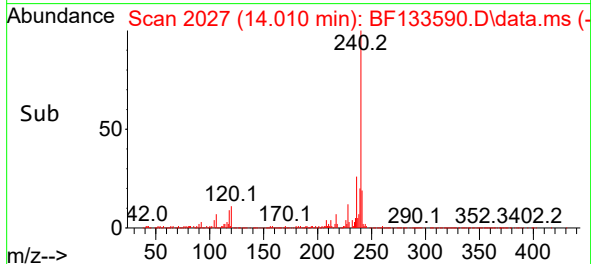
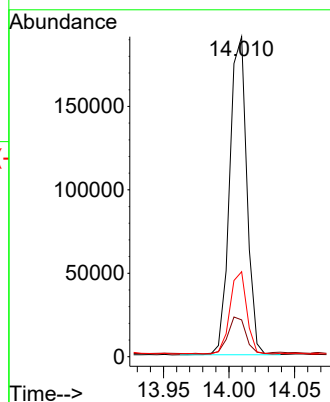
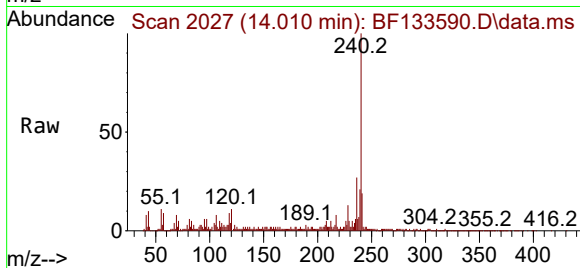




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

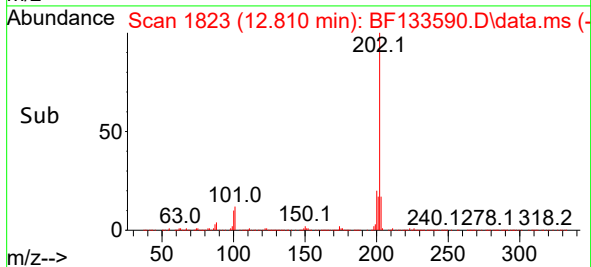
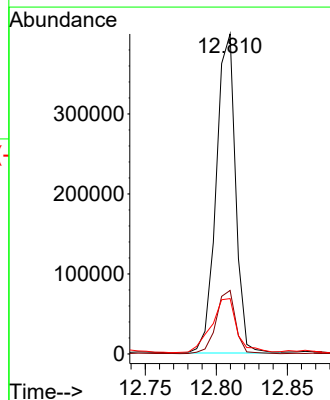
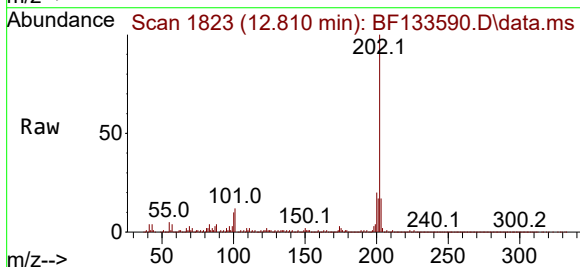
Instrument :
BNA_F
ClientSampleId :
EO-3-060123

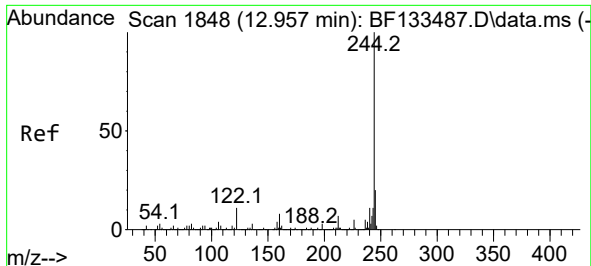
Tgt Ion:240 Resp: 173899
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 26.5 20.5 30.7



#78
Pyrene
Concen: 25.516 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:202 Resp: 377594
Ion Ratio Lower Upper
202 100
200 19.9 16.3 24.5
203 17.3 14.3 21.5

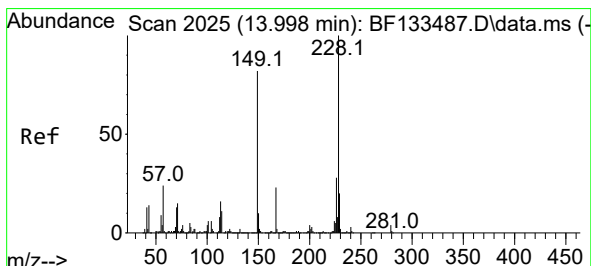
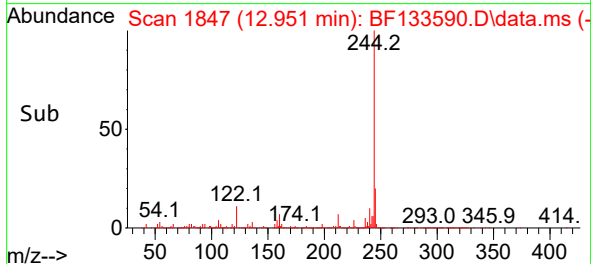
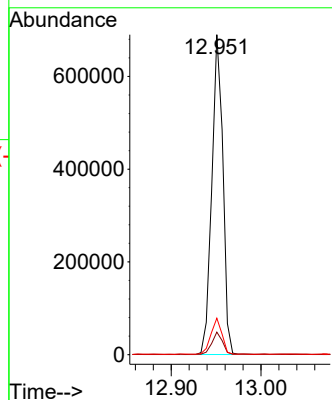
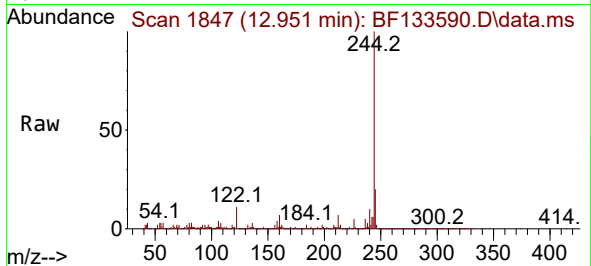




#79
 Terphenyl-d14
 Concen: 60.283 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133590.D
 Acq: 06 Jun 2023 14:22

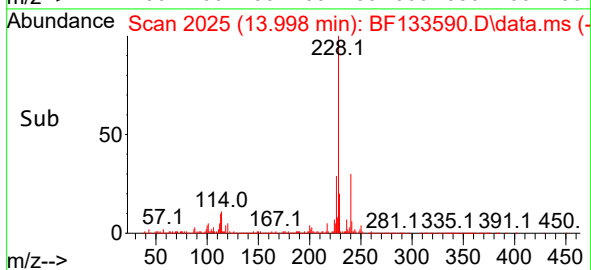
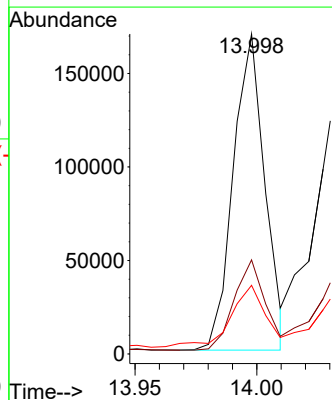
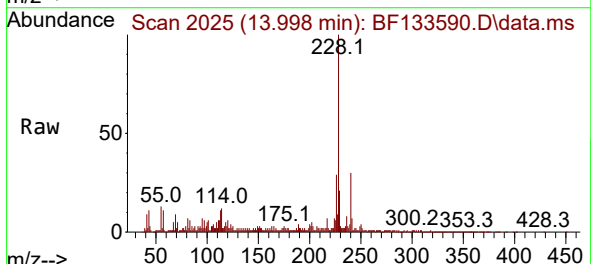
Instrument :
 BNA_F
 ClientSampleId :
 EO-3-060123

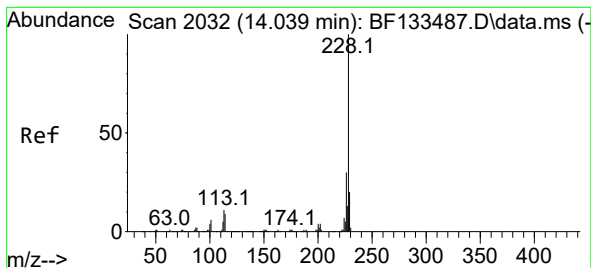
Tgt Ion:244 Resp: 589612
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 11.4 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 13.176 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF133590.D
 Acq: 06 Jun 2023 14:22

Tgt Ion:228 Resp: 152642
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.3 33.5
 229 21.4 16.1 24.1





#83

Chrysene

Concen: 12.680 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

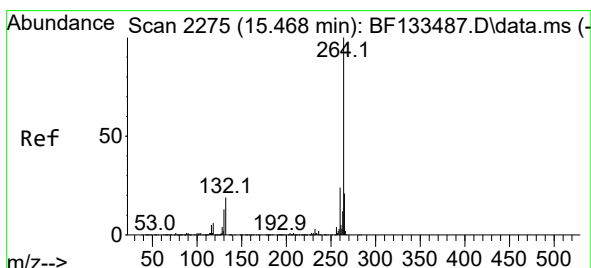
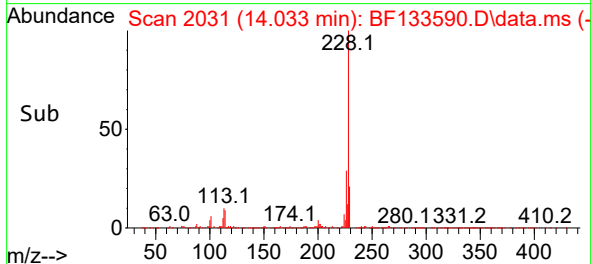
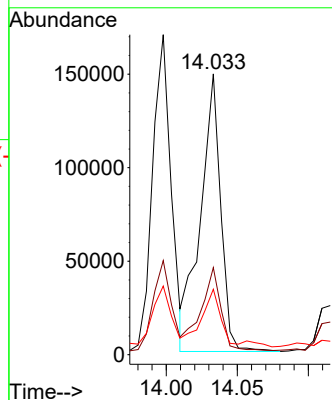
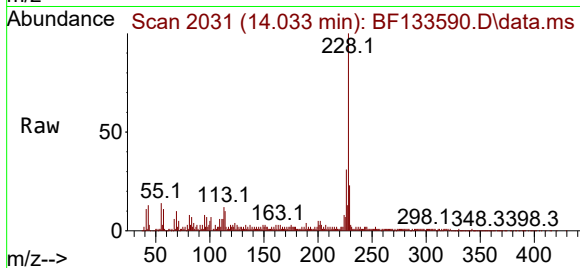
Tgt Ion:228 Resp: 148292

Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

229 23.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

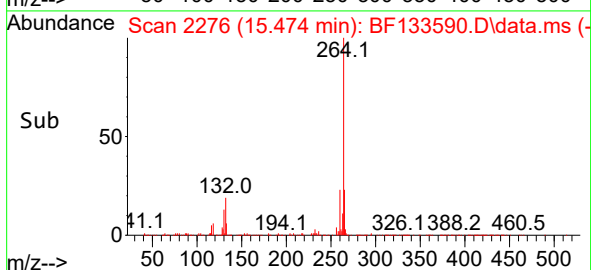
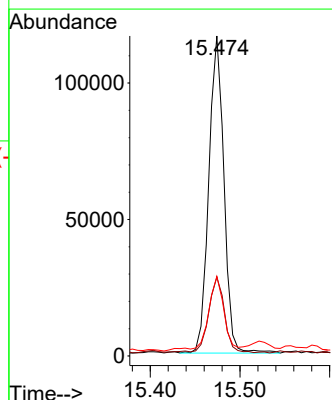
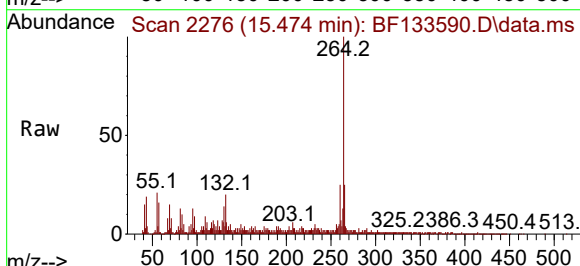
Tgt Ion:264 Resp: 136371

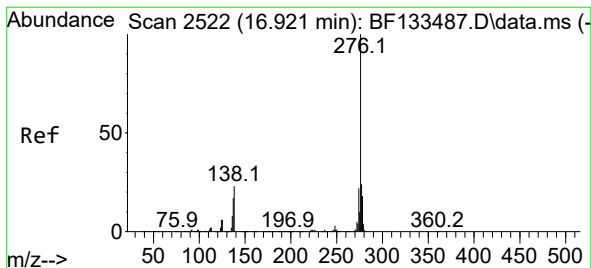
Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.4

265 24.8 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.361 ng

RT: 16.933 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

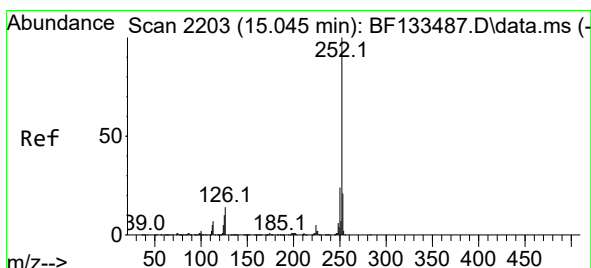
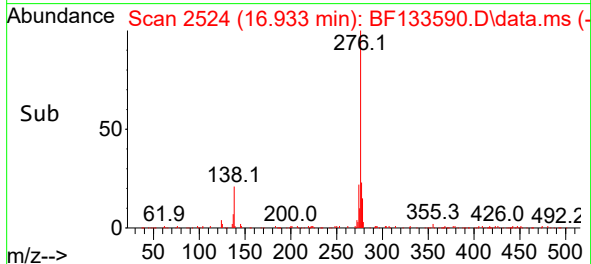
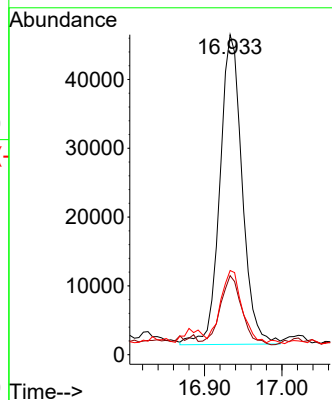
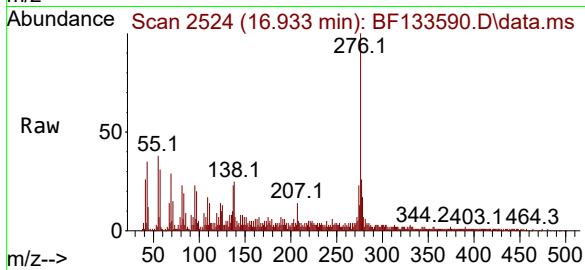
Tgt Ion:276 Resp: 90000

Ion Ratio Lower Upper

276 100

138 21.5 21.4 32.2

277 22.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 27.057 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

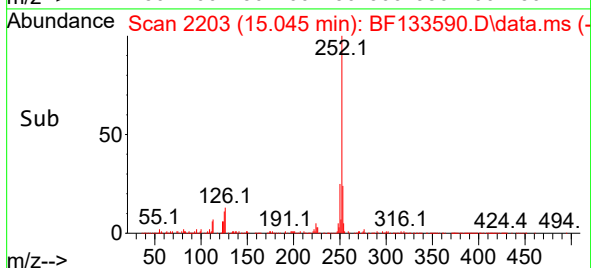
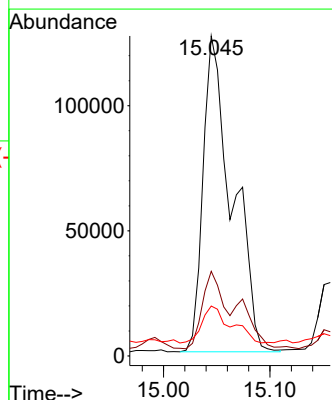
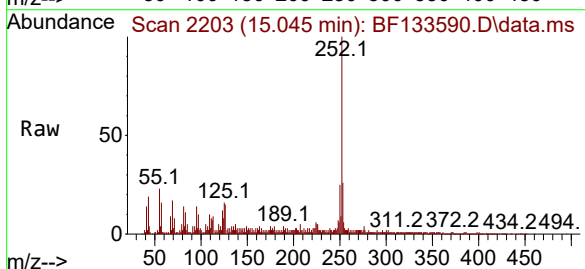
Tgt Ion:252 Resp: 240266

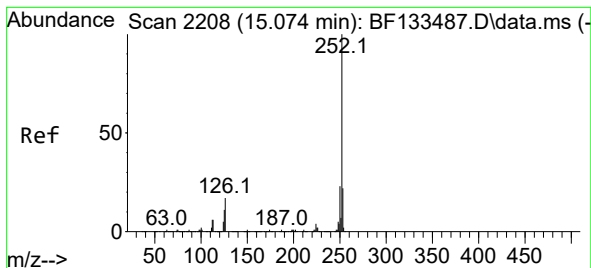
Ion Ratio Lower Upper

252 100

253 26.5 17.2 25.8#

125 15.6 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 27.748 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

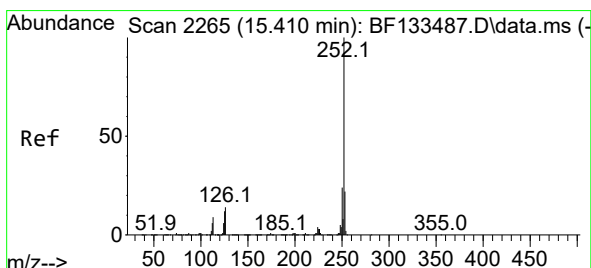
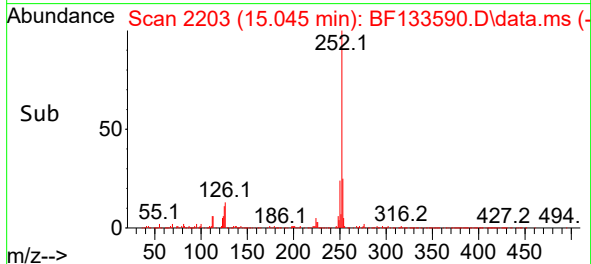
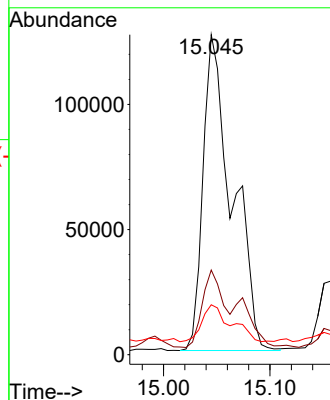
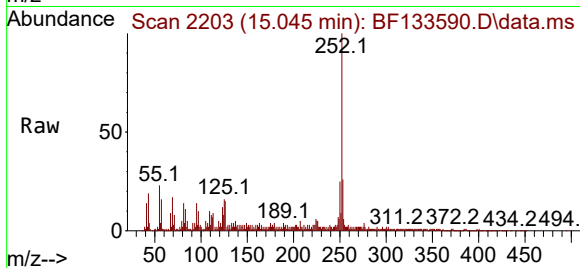
Tgt Ion:252 Resp: 240266

Ion Ratio Lower Upper

252 100

253 26.5 17.4 26.2#

125 15.6 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 16.231 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

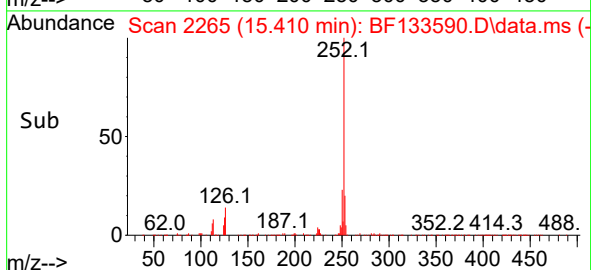
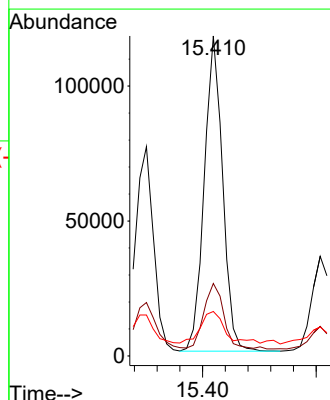
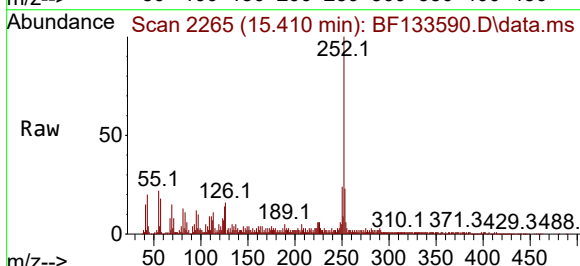
Tgt Ion:252 Resp: 131151

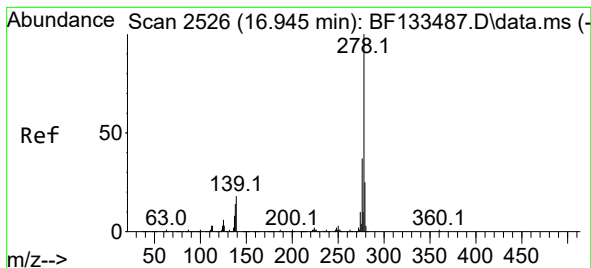
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 13.9 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 2.989 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

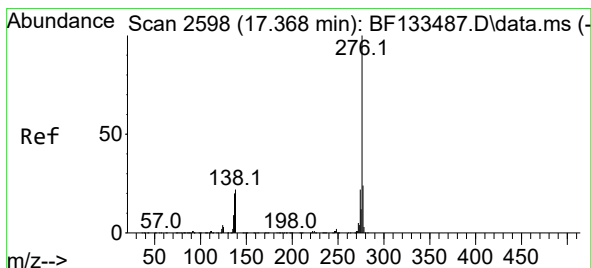
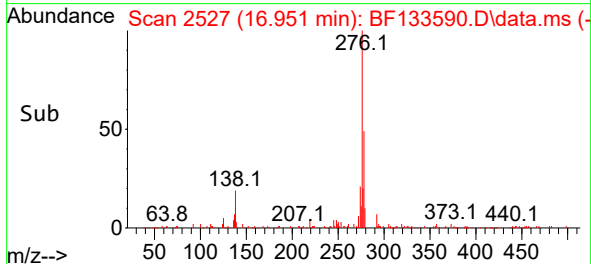
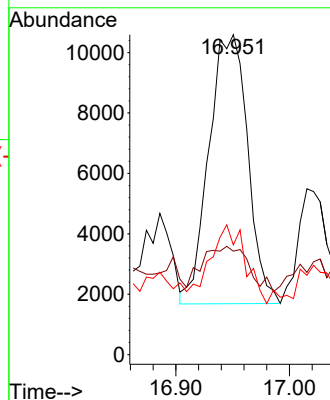
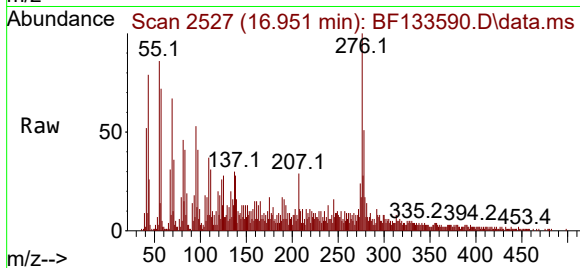
Tgt Ion:278 Resp: 21049

Ion Ratio Lower Upper

278 100

139 32.3 14.1 21.1#

279 34.3 19.7 29.5#



#92

Benzo(g,h,i)perylene

Concen: 12.495 ng

RT: 17.374 min Scan# 2599

Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Tgt Ion:276 Resp: 88733

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 22.9 17.8 26.6

