

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132489.D
 Acq On : 20 Feb 2023 20:43
 Operator : CG\JU
 Sample : 01552-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

Quant Time: Feb 21 00:05:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

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

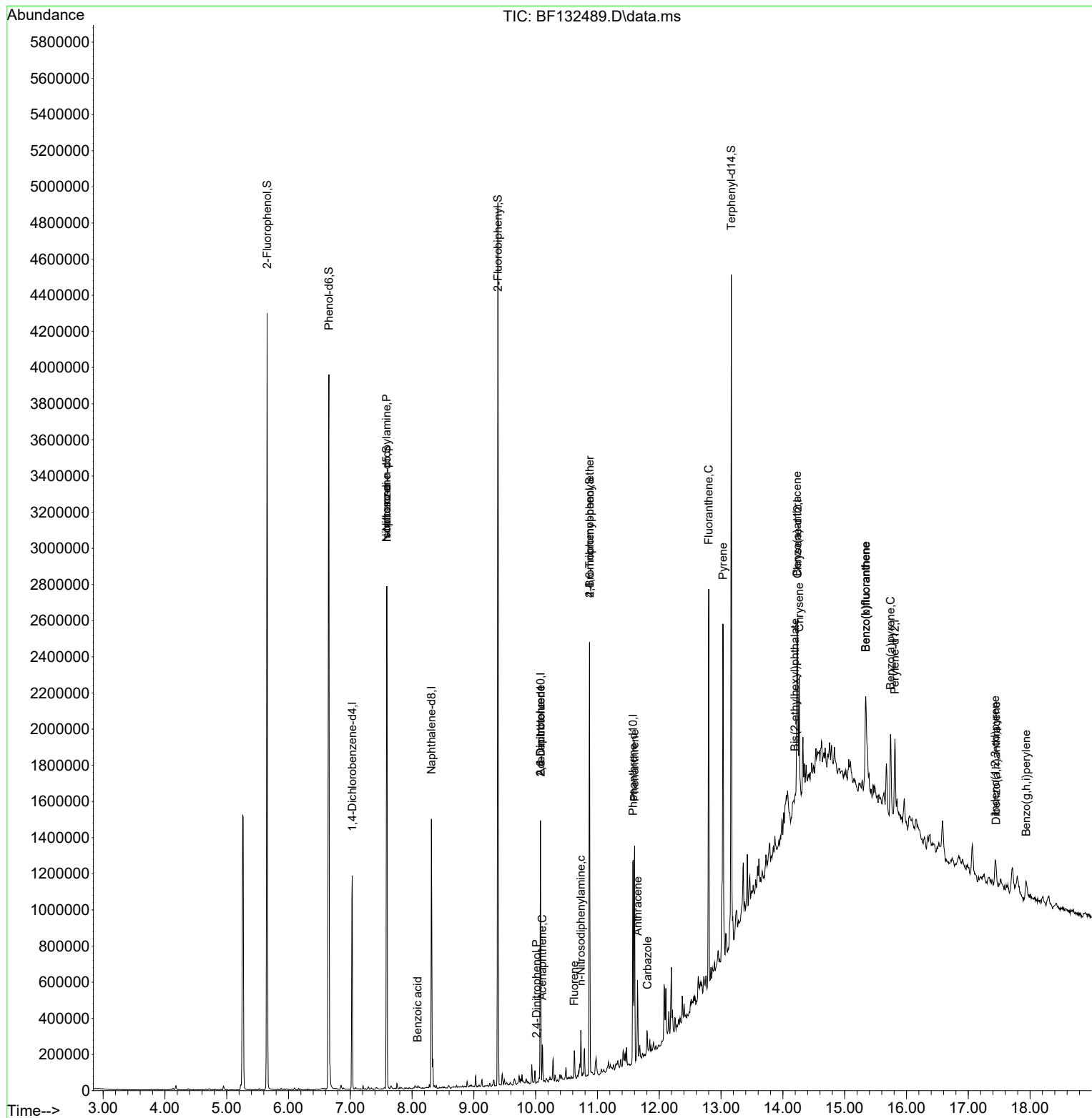
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.031	152	173318	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	577457	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	253085	20.000	ng	0.00
64) Phenanthrene-d10	11.577	188	450332	20.000	ng	0.00
76) Chrysene-d12	14.236	240	227884	20.000	ng	# 0.00
86) Perylene-d12	15.812	264	196019	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	1150884	106.402	ng	0.01
7) Phenol-d6	6.654	99	1434190	101.545	ng	0.00
23) Nitrobenzene-d5	7.589	82	894332	74.416	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	253036	100.207	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1348138	82.262	ng	0.00
79) Terphenyl-d14	13.166	244	1263612	100.985	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.589	70	120036	13.863	ng	# 78
25) Isophorone	7.589	82	894449	37.876	ng	# 68
32) Benzoic acid	8.089	122	606	7.227	ng	# 61
51) 2,6-Dinitrotoluene	10.078	165	34739	8.571	ng	# 20
52) Acenaphthene	10.107	154	41905	2.757	ng	99
54) 2,4-Dinitrophenol	10.013	184	110	5.169	ng	# 8
57) 2,4-Dinitrotoluene	10.078	165	34739	6.511	ng	# 20
58) Fluorene	10.625	166	40451	2.372	ng	96
66) n-Nitrosodiphenylamine	10.730	169	57863	4.186	ng	99
67) 4-Bromophenyl-phenylether	10.872	248	17270	3.499	ng	# 1
71) Phenanthrene	11.601	178	437710	18.872	ng	99
72) Anthracene	11.648	178	159679	6.697	ng	100
73) Carbazole	11.807	167	44096	2.055	ng	97
75) Fluoranthene	12.801	202	862991	33.364	ng	99
78) Pyrene	13.030	202	793524	40.991	ng	100
81) Benzo(a)anthracene	14.230	228	321039	19.235	ng	96
83) Chrysene	14.265	228	292129	18.319	ng	97
84) Bis(2-ethylhexyl)phtha...	14.195	149	26774	2.863	ng	# 81
87) Indeno(1,2,3-cd)pyrene	17.436	276	115043	9.181	ng	# 92
88) Benzo(b)fluoranthene	15.342	252	420573	32.627	ng	# 89
89) Benzo(k)fluoranthene	15.342	252	420573	32.604	ng	# 90
90) Benzo(a)pyrene	15.742	252	223845	18.686	ng	# 92
91) Dibenzo(a,h)anthracene	17.454	278	29485	2.857	ng	# 55
92) Benzo(g,h,i)perylene	17.936	276	110372	10.414	ng	96

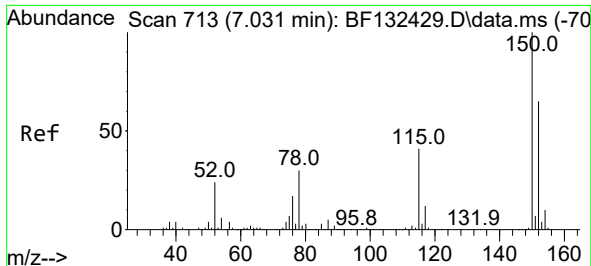
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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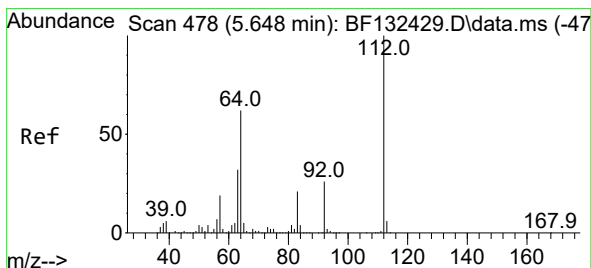
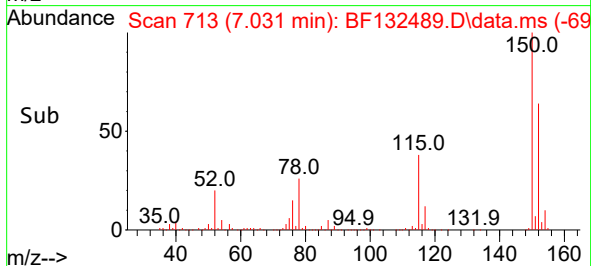
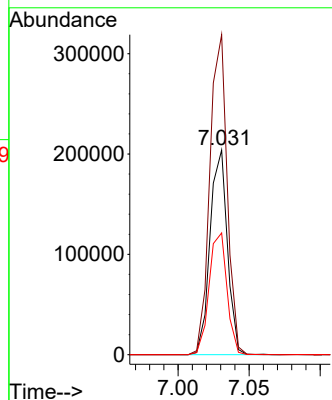
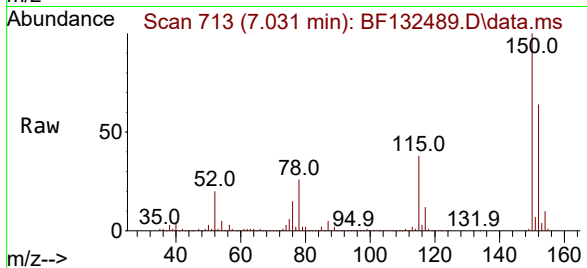




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.031 min Scan# 713
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

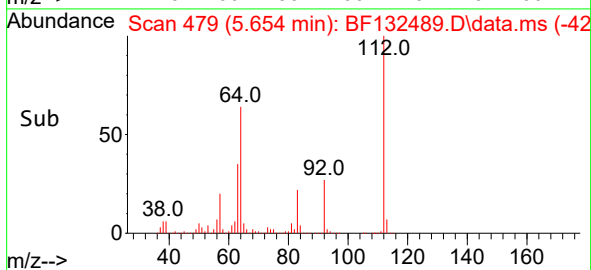
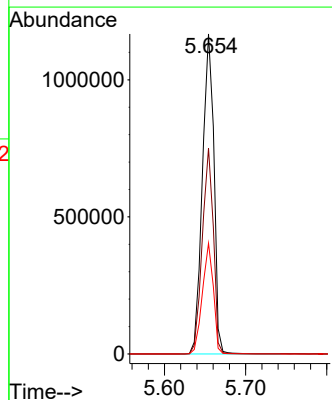
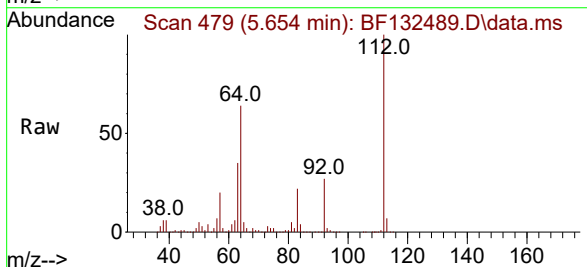
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BNA_F
ClientSampleId :
SB-06-0-2.0

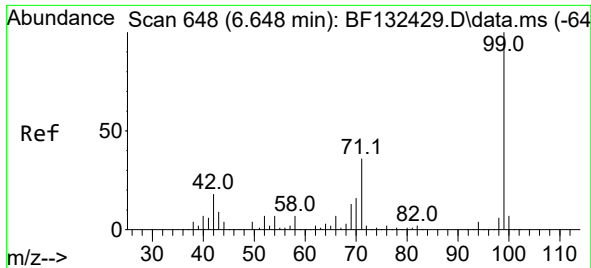
Tgt Ion:152 Resp: 173318
Ion Ratio Lower Upper
152 100
150 156.4 123.8 185.8
115 59.5 50.4 75.6



#5
2-Fluorophenol
Concen: 106.402 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.012 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:112 Resp: 1150884
Ion Ratio Lower Upper
112 100
64 64.3 49.7 74.5
63 34.6 25.8 38.8

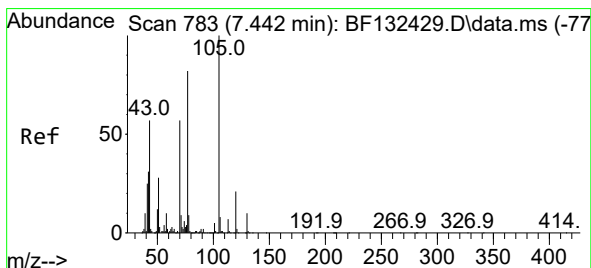
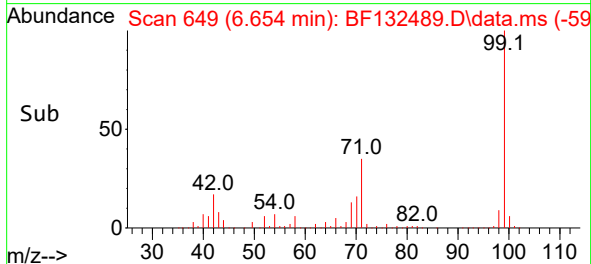
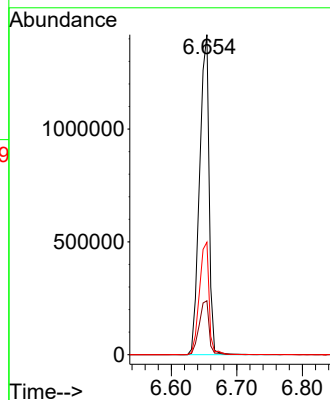
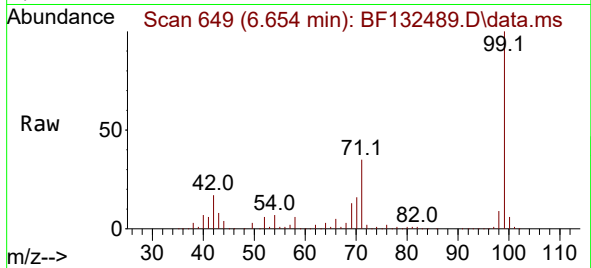




#7
Phenol-d6
Concen: 101.545 ng
RT: 6.654 min Scan# 64
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

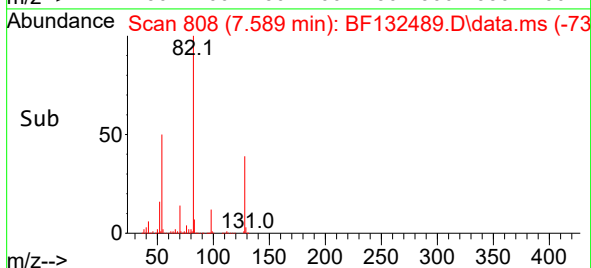
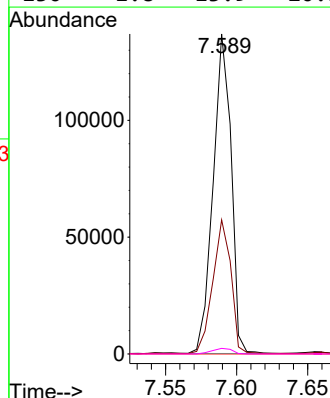
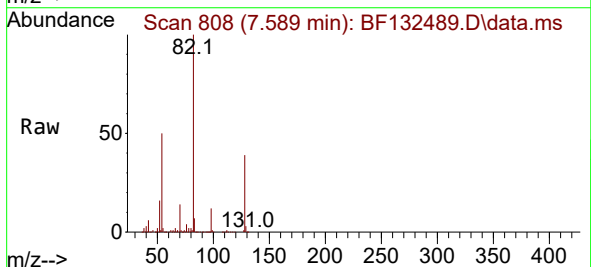
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

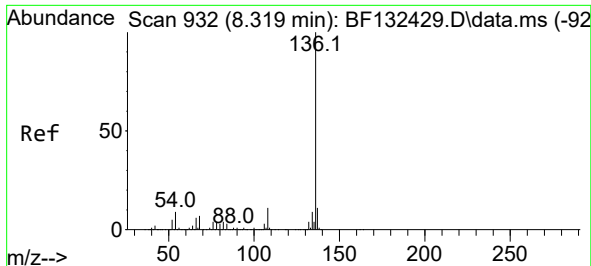
Tgt Ion: 99 Resp: 1434190
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 35.2 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.863 ng
RT: 7.589 min Scan# 808
Delta R.T. 0.153 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion: 70 Resp: 120036
Ion Ratio Lower Upper
70 100
42 41.9 43.5 65.3#
101 0.0 7.3 10.9#
130 1.8 13.9 20.9#

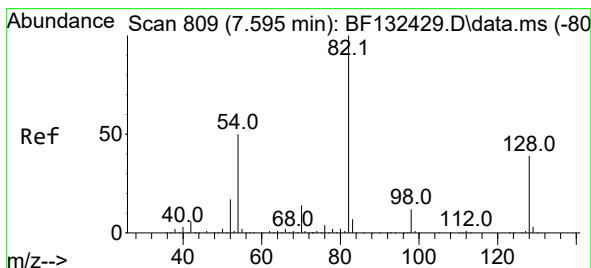
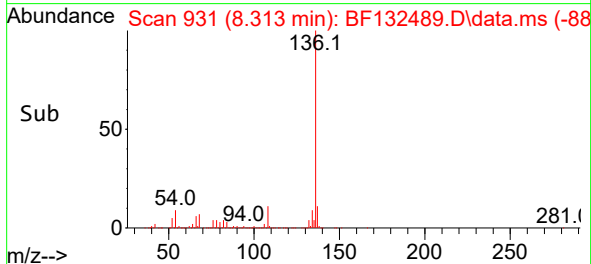
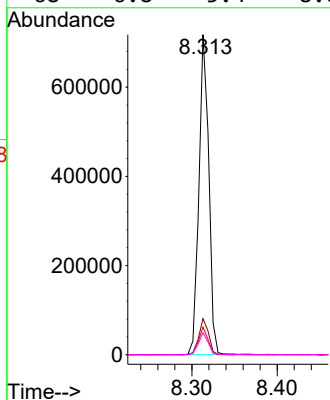
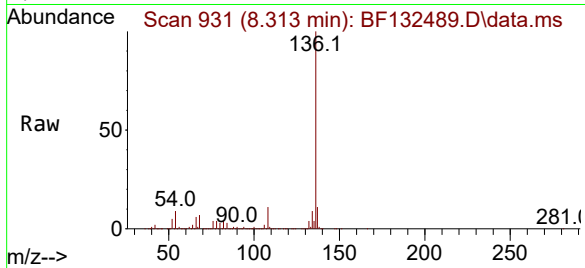




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

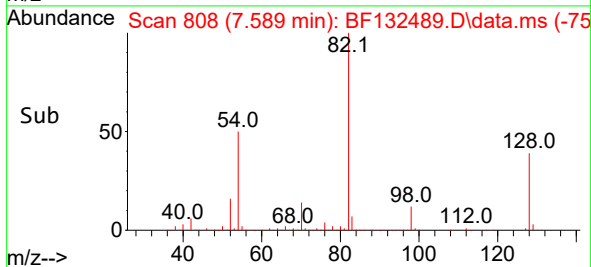
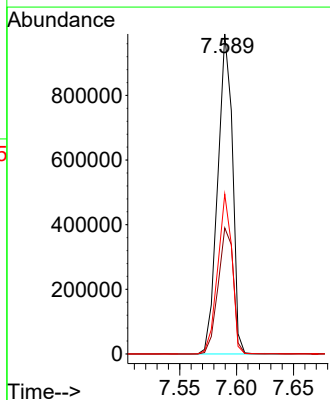
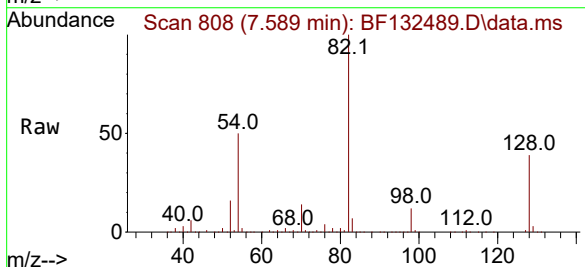
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ClientSampleId :
SB-06-0-2.0

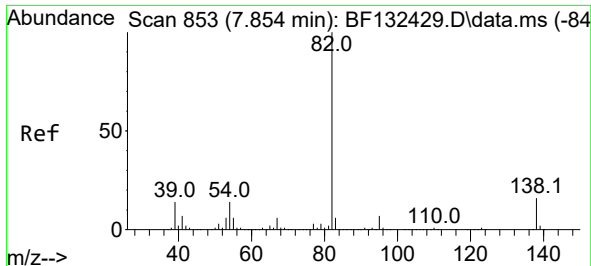
Tgt Ion:136 Resp: 577457
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.6 6.9 10.3
68 6.8 5.4 8.0



#23
Nitrobenzene-d5
Concen: 74.416 ng
RT: 7.589 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion: 82 Resp: 894332
Ion Ratio Lower Upper
82 100
128 39.4 30.8 46.2
54 49.9 40.2 60.4

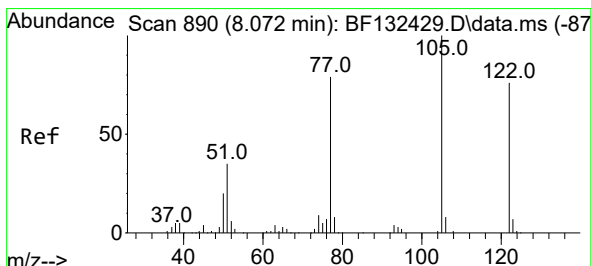
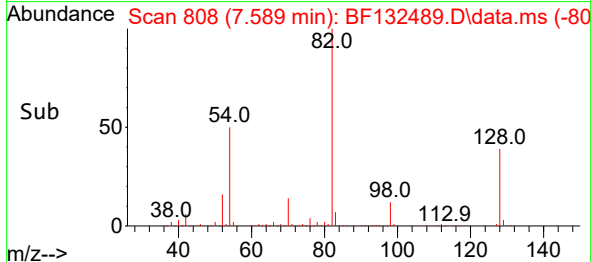
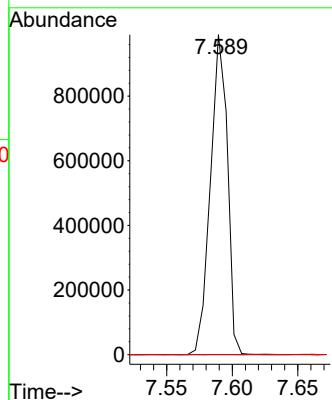
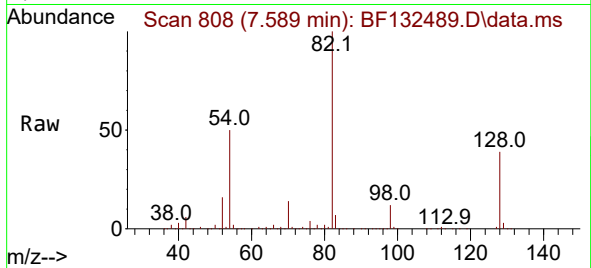




#25
Isophorone
Concen: 37.876 ng
RT: 7.589 min Scan# 80
Delta R.T. -0.259 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

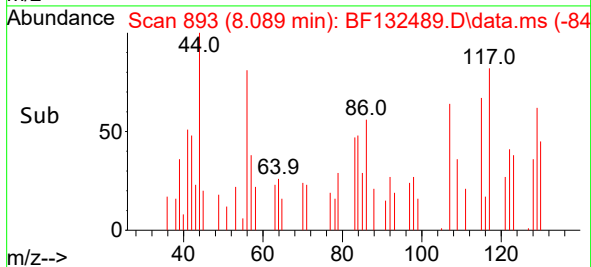
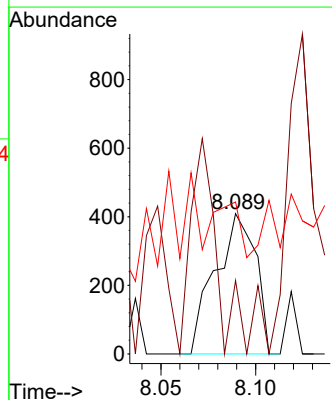
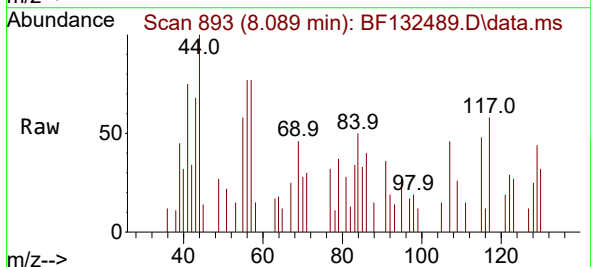
Instrument :
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ClientSampleId :
SB-06-0-2.0

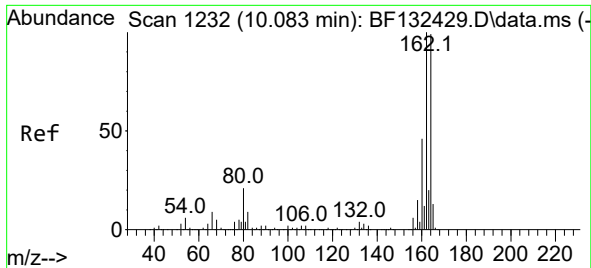
Tgt Ion: 82 Resp: 894449
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.227 ng
RT: 8.089 min Scan# 893
Delta R.T. 0.012 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:122 Resp: 606
Ion Ratio Lower Upper
122 100
105 52.3 109.7 149.7#
77 108.3 83.8 123.8

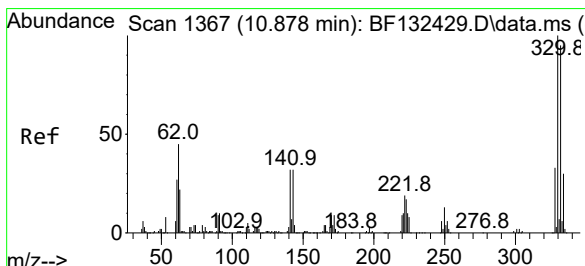
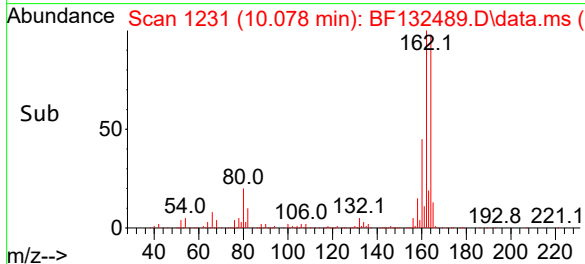
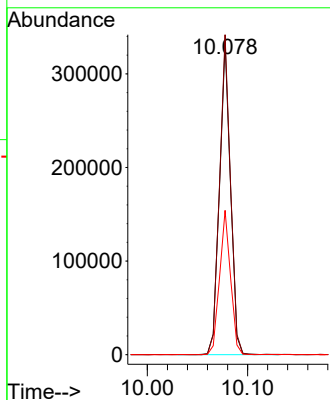
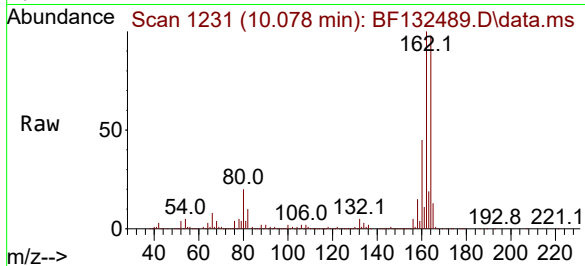




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.078 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF132489.D
 Acq: 20 Feb 2023 20:43

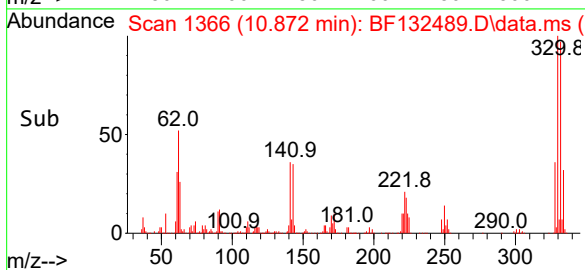
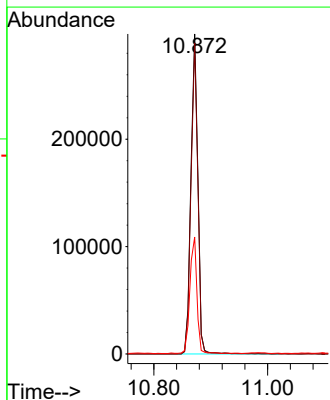
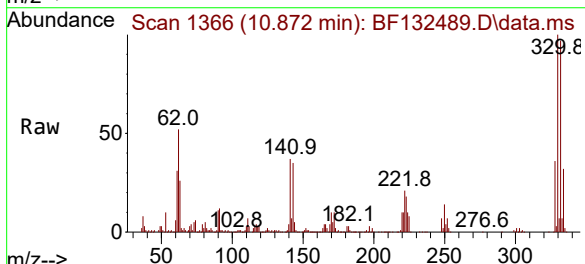
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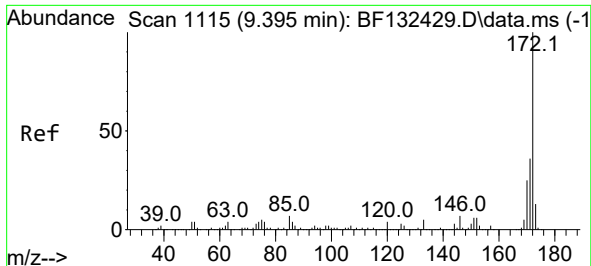
Tgt Ion:164 Resp: 253085
 Ion Ratio Lower Upper
 164 100
 162 102.4 80.8 121.2
 160 46.2 37.2 55.8



#42
 2,4,6-Tribromophenol
 Concen: 100.207 ng
 RT: 10.872 min Scan# 1366
 Delta R.T. 0.000 min
 Lab File: BF132489.D
 Acq: 20 Feb 2023 20:43

Tgt Ion:330 Resp: 253036
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.3 114.5
 141 36.9 30.3 45.5

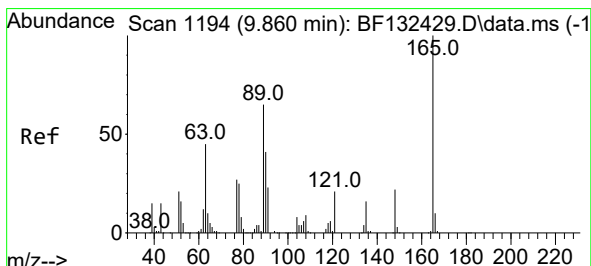
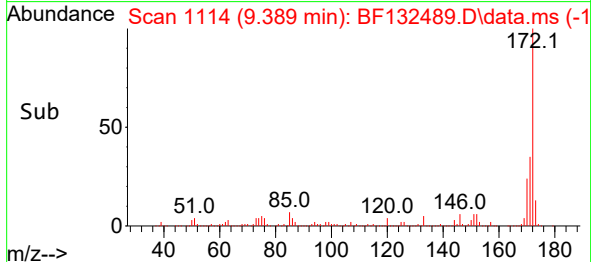
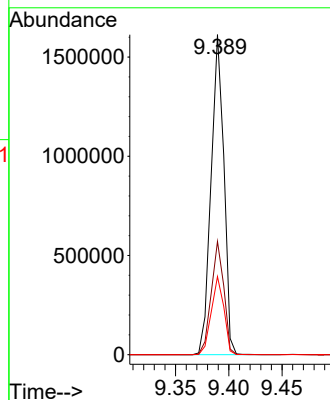
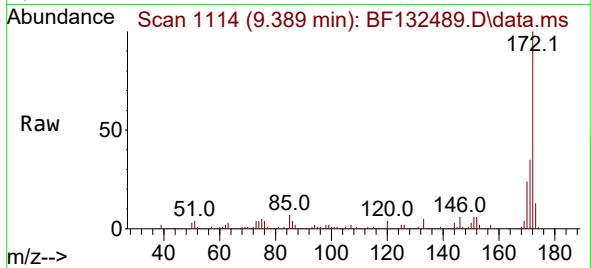




#45
2-Fluorobiphenyl
Concen: 82.262 ng
RT: 9.389 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

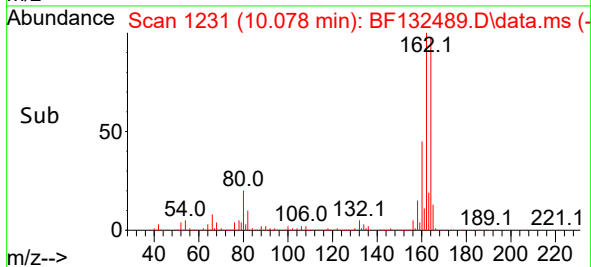
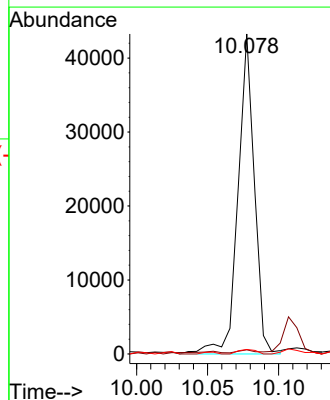
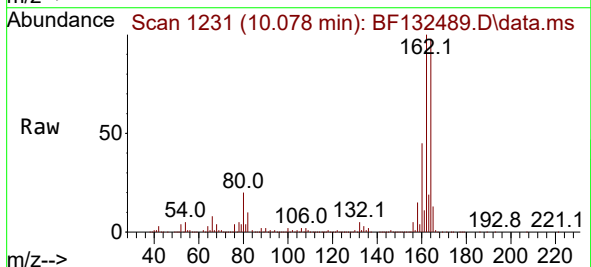
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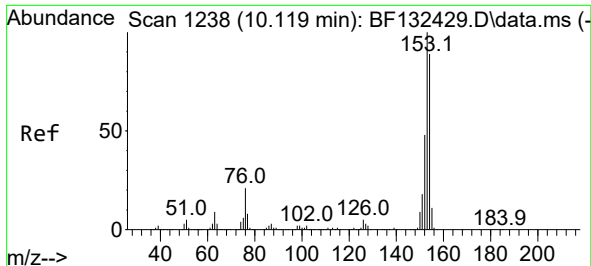
Tgt Ion:172 Resp: 1348138
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 24.4 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 8.571 ng
RT: 10.078 min Scan# 1231
Delta R.T. 0.224 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:165 Resp: 34739
Ion Ratio Lower Upper
165 100
63 1.3 50.4 75.6#
89 1.4 52.2 78.2#

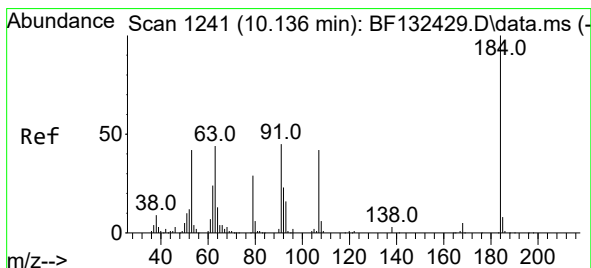
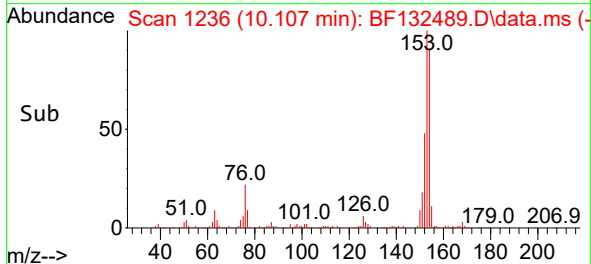
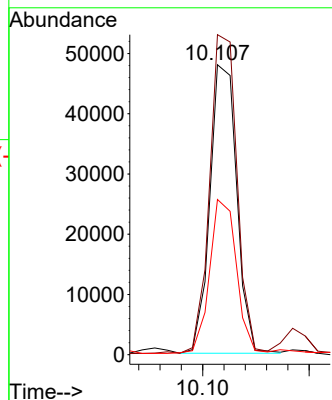
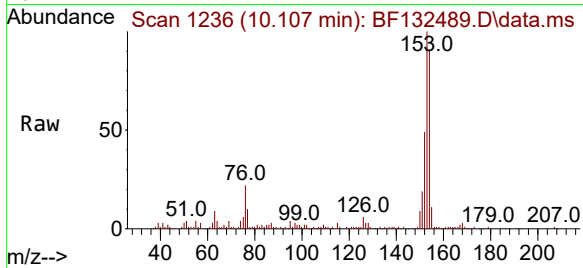




#52
Acenaphthene
Concen: 2.757 ng
RT: 10.107 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

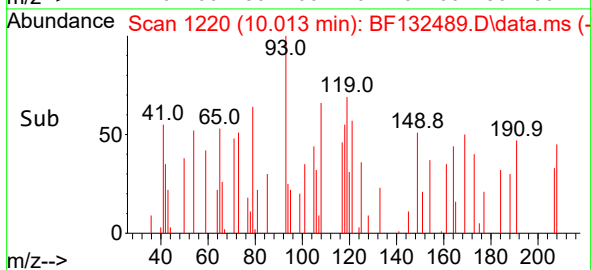
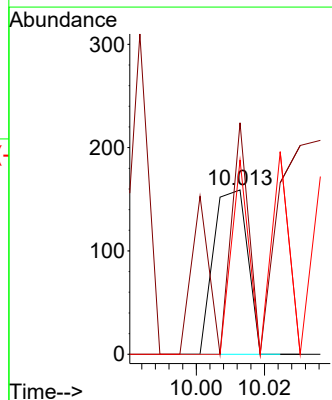
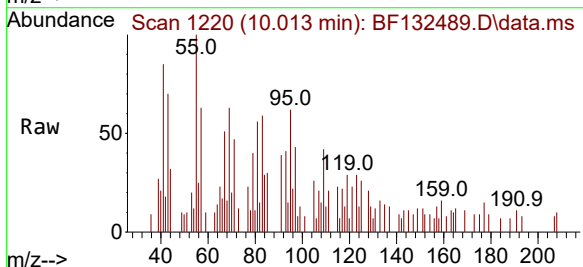
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SB-06-0-2.0

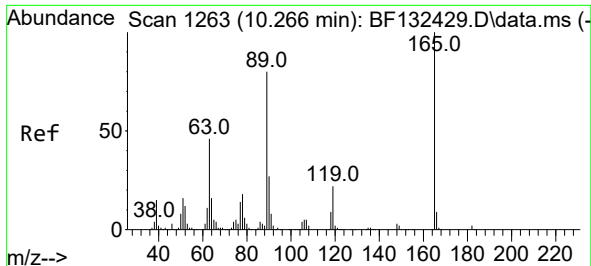
Tgt Ion:154 Resp: 41905
Ion Ratio Lower Upper
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153 110.4 89.7 134.5
152 53.5 43.4 65.0



#54
2,4-Dinitrophenol
Concen: 5.169 ng
RT: 10.013 min Scan# 1220
Delta R.T. -0.118 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
63 140.9 47.0 70.6#
154 118.2 49.0 73.6#





#57

2,4-Dinitrotoluene

Concen: 6.511 ng

RT: 10.078 min Scan# 1

Delta R.T. -0.182 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

Tgt Ion:165 Resp: 34739

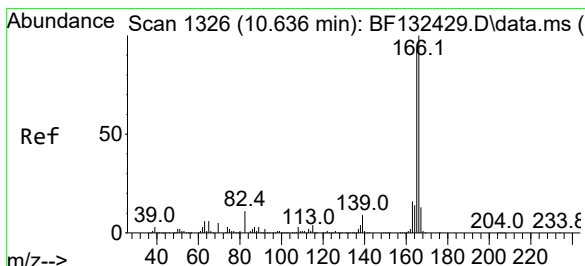
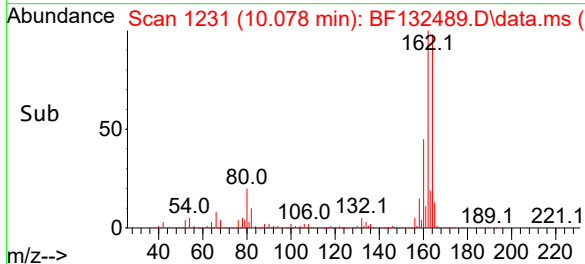
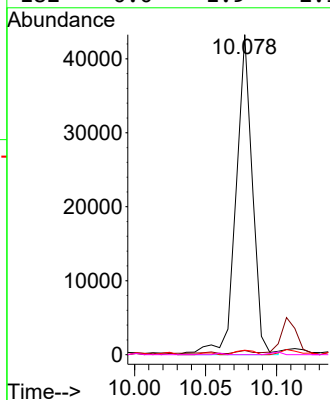
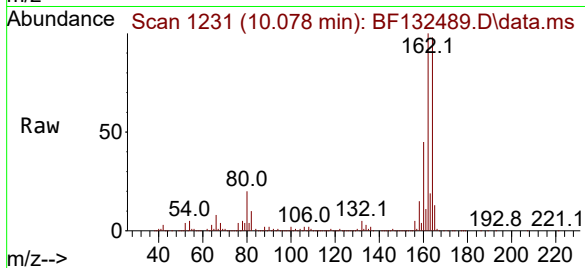
Ion Ratio Lower Upper

165 100

63 1.3 37.1 55.7#

89 1.4 63.6 95.4#

182 0.0 1.9 2.9#



#58

Fluorene

Concen: 2.372 ng

RT: 10.625 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

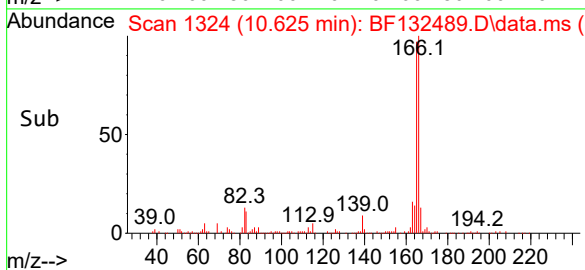
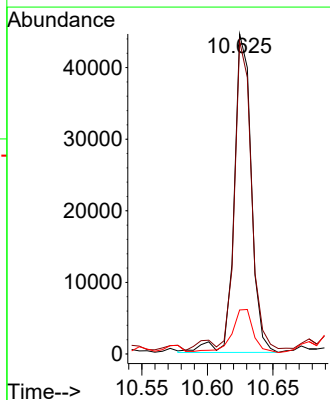
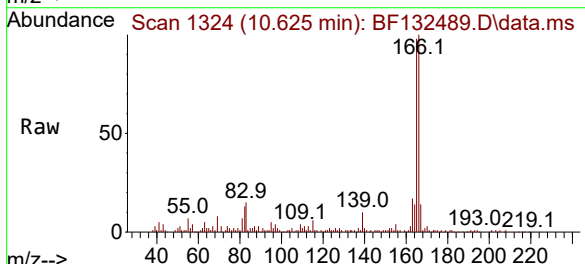
Tgt Ion:166 Resp: 40451

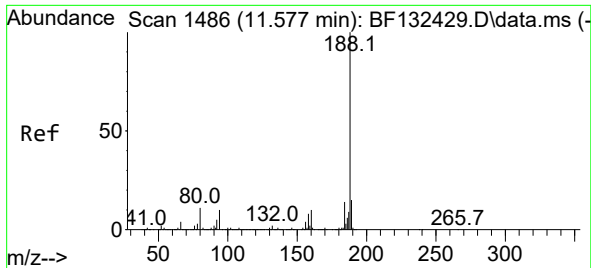
Ion Ratio Lower Upper

166 100

165 97.8 74.6 111.8

167 13.8 10.8 16.2

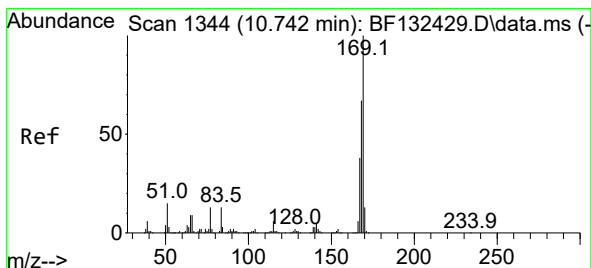
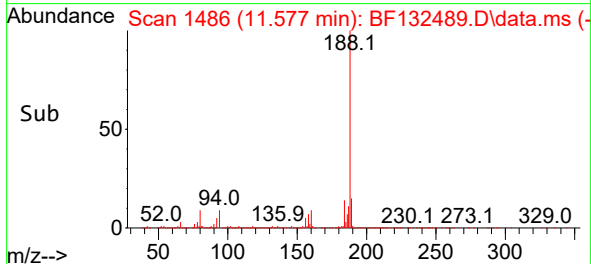
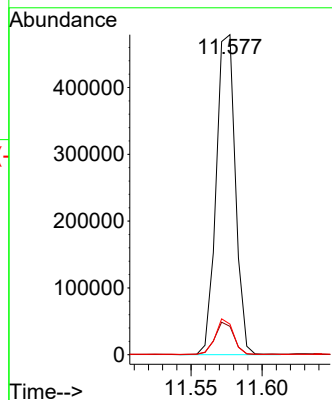
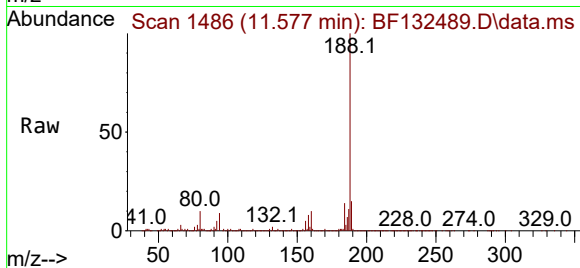




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.577 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

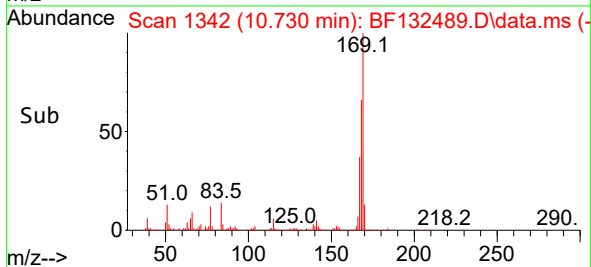
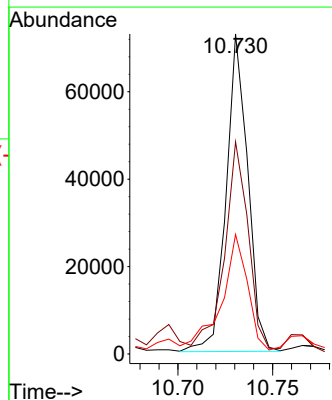
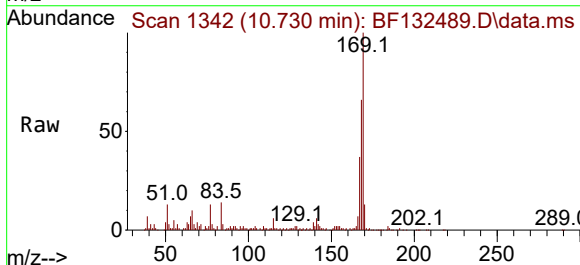
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

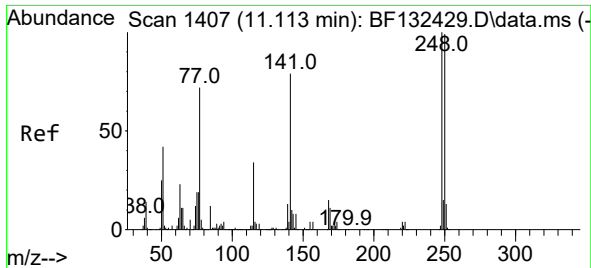
Tgt Ion:188 Resp: 450332
Ion Ratio Lower Upper
188 100
94 8.9 8.0 12.0
80 9.5 8.6 12.8



#66
n-Nitrosodiphenylamine
Concen: 4.186 ng
RT: 10.730 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:169 Resp: 57863
Ion Ratio Lower Upper
169 100
168 66.3 53.5 80.3
167 37.4 30.2 45.2

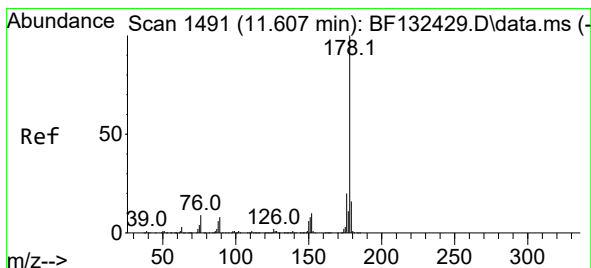
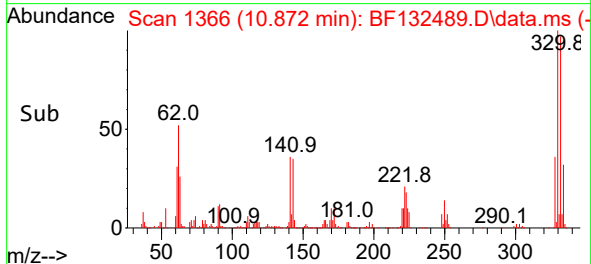
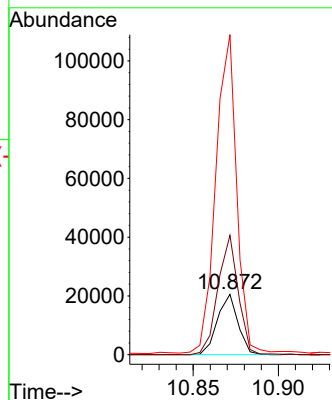
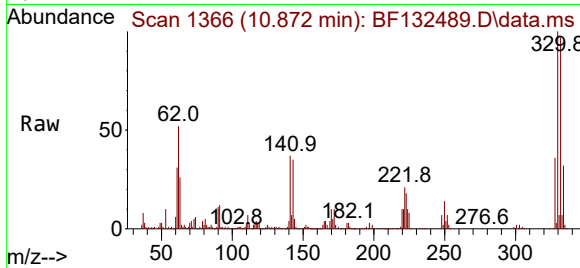




#67
4-Bromophenyl-phenylether
Concen: 3.499 ng
RT: 10.872 min Scan# 11
Delta R.T. -0.235 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

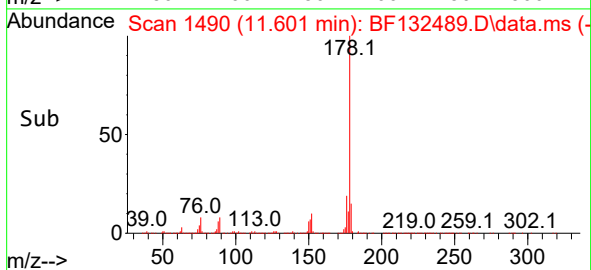
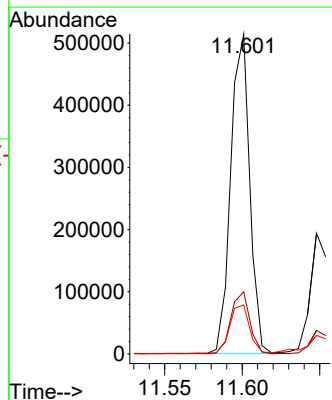
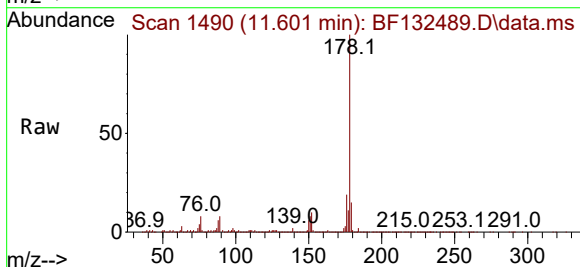
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

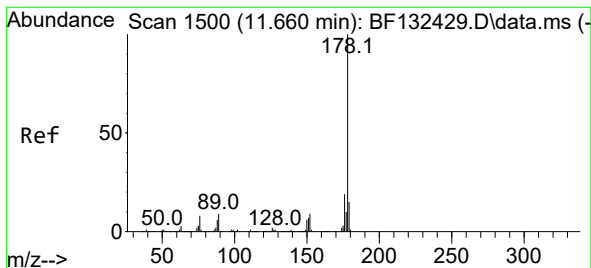
Tgt Ion:248 Resp: 17270
Ion Ratio Lower Upper
248 100
250 197.6 79.0 118.4#
141 529.8 63.3 94.9#



#71
Phenanthrene
Concen: 18.872 ng
RT: 11.601 min Scan# 1490
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:178 Resp: 437710
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 15.3 12.6 18.8





#72

Anthracene

Concen: 6.697 ng

RT: 11.648 min Scan# 1498

Delta R.T. 0.000 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

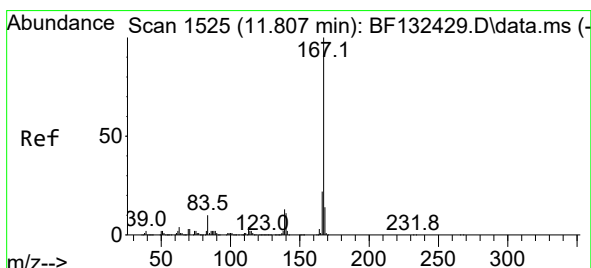
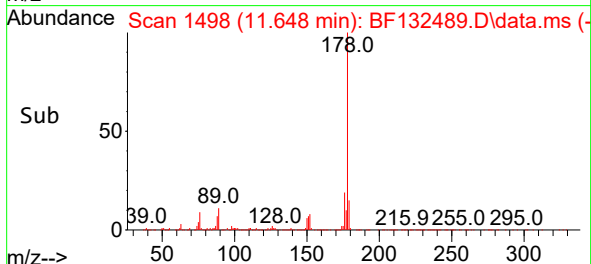
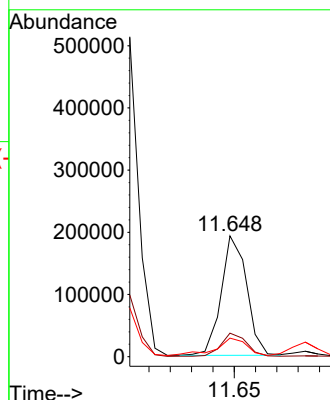
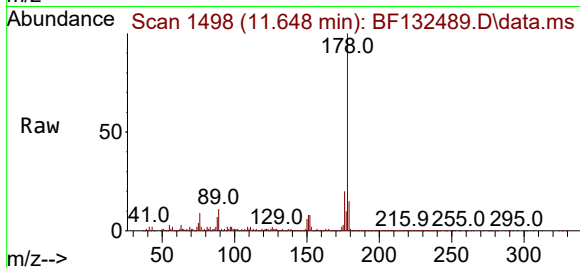
Tgt Ion:178 Resp: 159679

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.4 12.4 18.6



#73

Carbazole

Concen: 2.055 ng

RT: 11.807 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

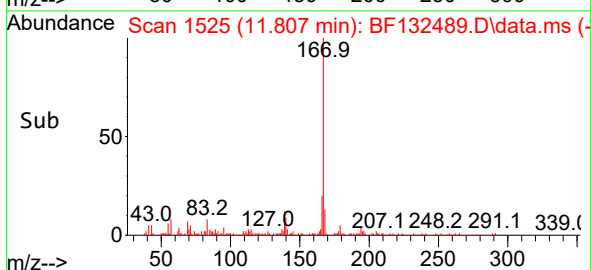
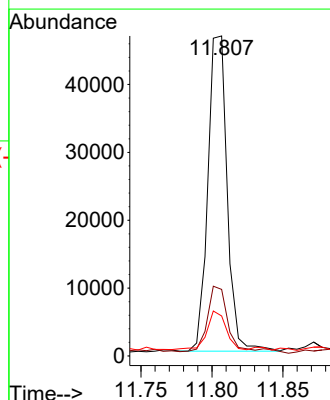
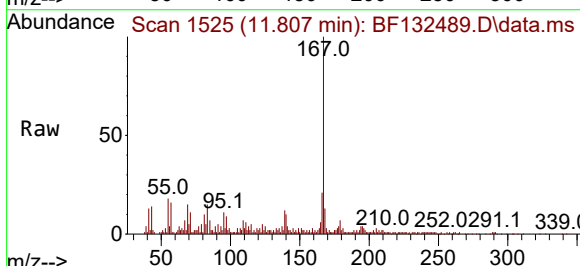
Tgt Ion:167 Resp: 44096

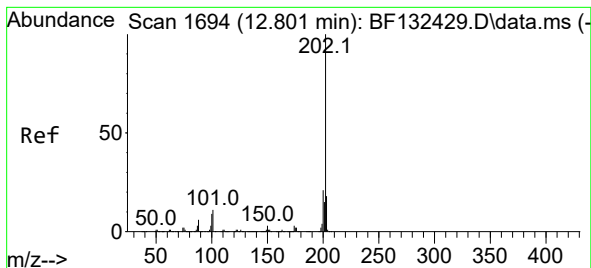
Ion Ratio Lower Upper

167 100

166 20.8 17.8 26.8

139 12.5 10.7 16.1





#75

Fluoranthene

Concen: 33.364 ng

RT: 12.801 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

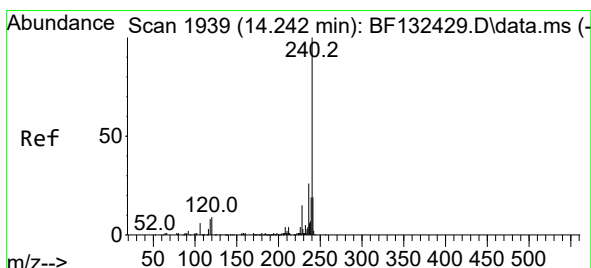
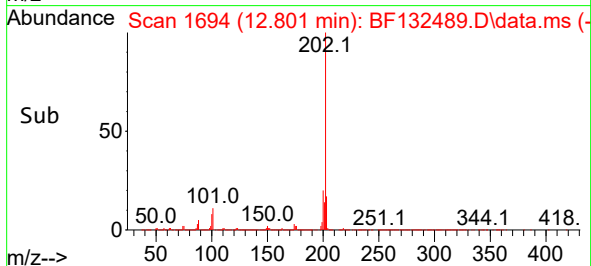
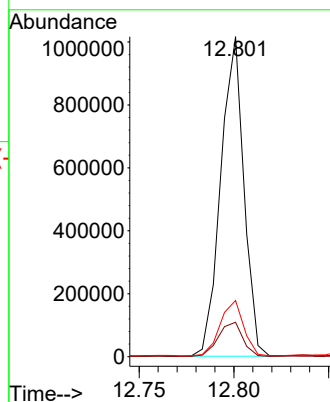
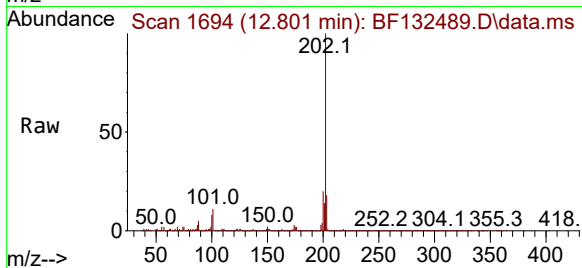
Tgt Ion:202 Resp: 862991

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.3

203 17.5 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.236 min Scan# 1938

Delta R.T. 0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

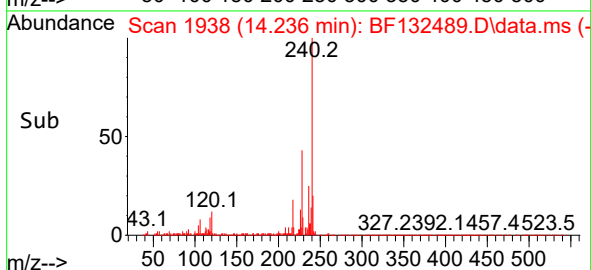
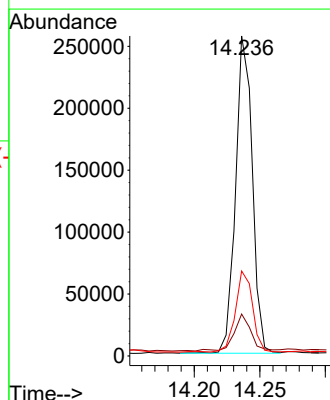
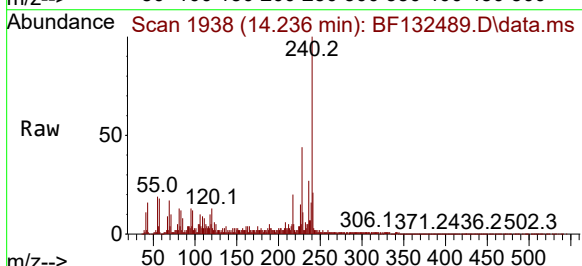
Tgt Ion:240 Resp: 227884

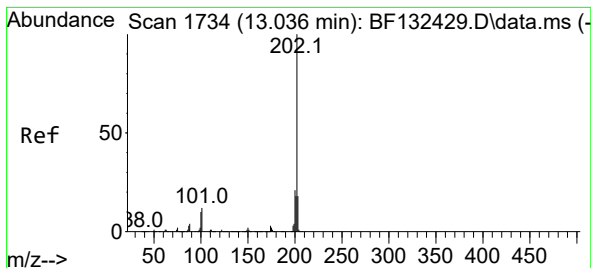
Ion Ratio Lower Upper

240 100

120 13.1 7.5 11.3#

236 26.5 21.0 31.6





#78

Pyrene

Concen: 40.991 ng

RT: 13.030 min Scan# 1733

Delta R.T. 0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

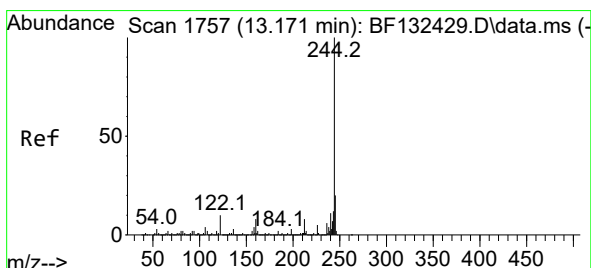
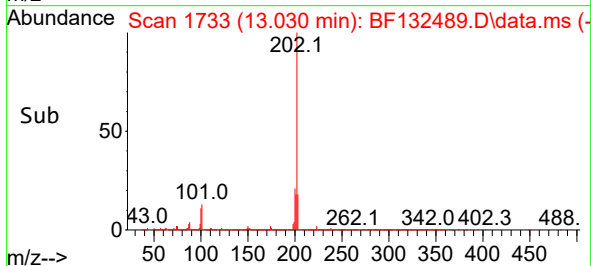
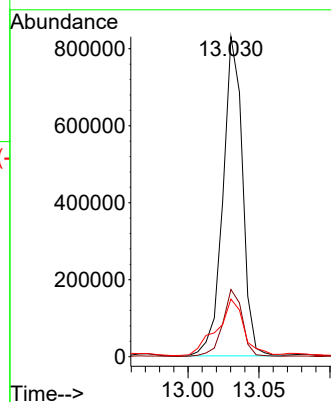
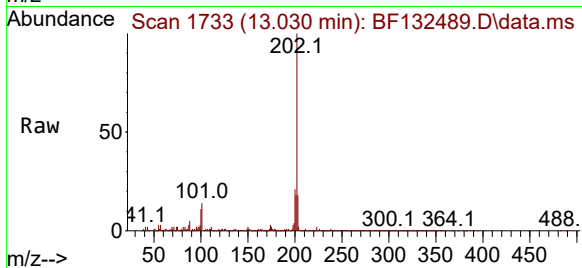
Tgt Ion:202 Resp: 793524

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

203 18.0 14.3 21.5



#79

Terphenyl-d14

Concen: 100.985 ng

RT: 13.166 min Scan# 1756

Delta R.T. 0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

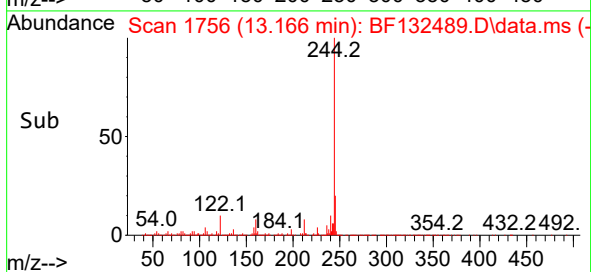
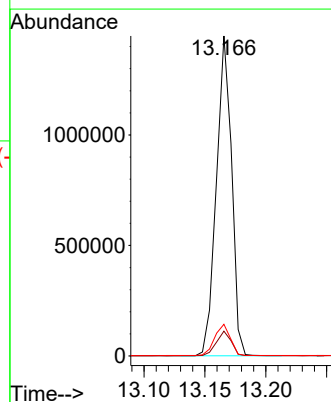
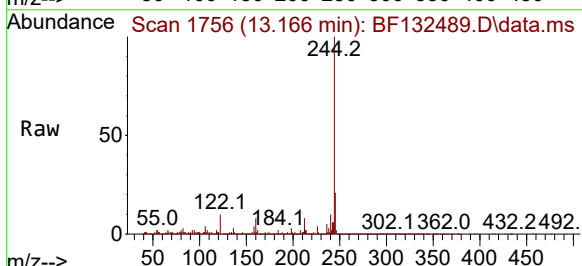
Tgt Ion:244 Resp: 1263612

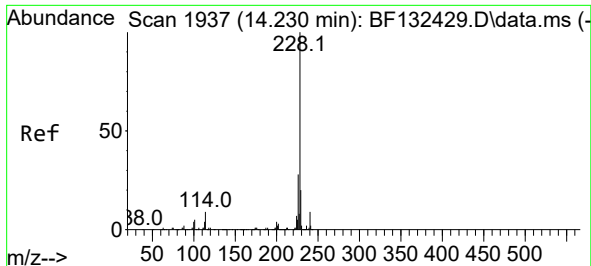
Ion Ratio Lower Upper

244 100

212 7.7 6.7 10.1

122 9.9 7.7 11.5

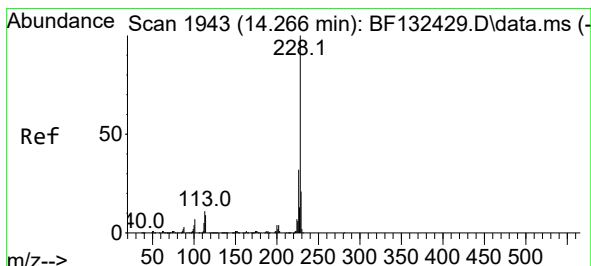
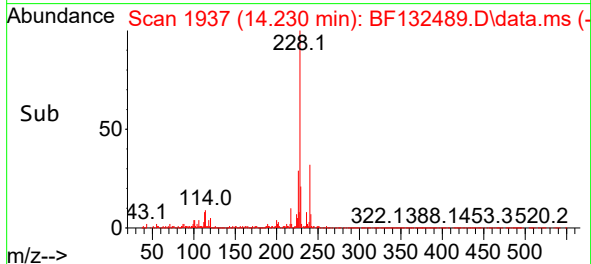
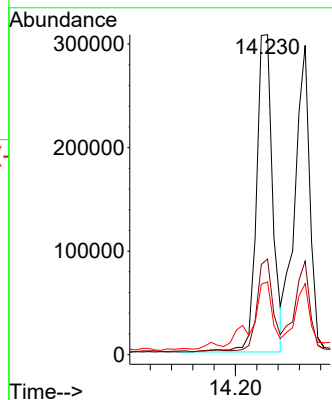
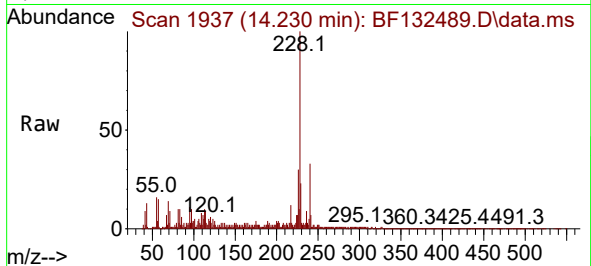




#81
Benzo(a)anthracene
Concen: 19.235 ng
RT: 14.230 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

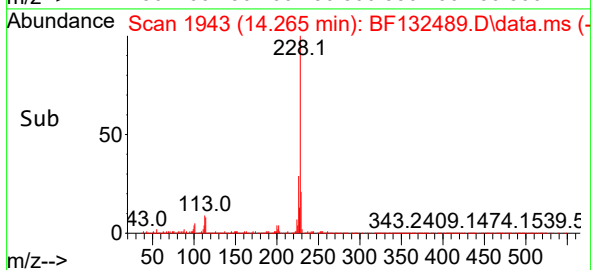
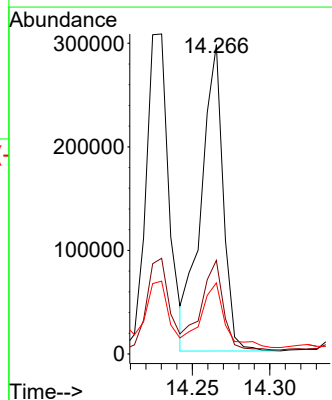
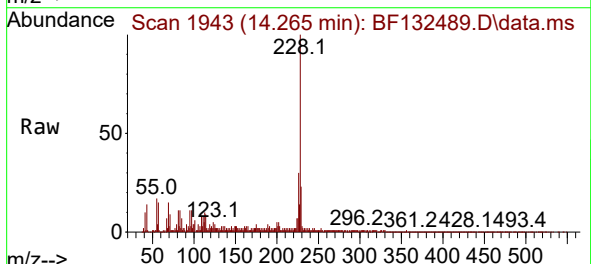
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

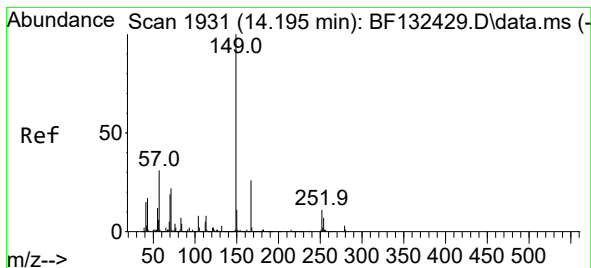
Tgt Ion:228 Resp: 321039
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 22.7 16.2 24.4



#83
Chrysene
Concen: 18.319 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:228 Resp: 292129
Ion Ratio Lower Upper
228 100
226 30.3 25.4 38.2
229 23.0 16.6 25.0

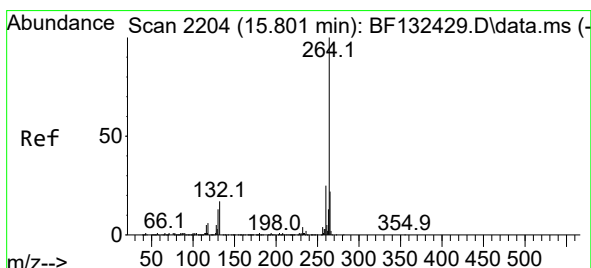
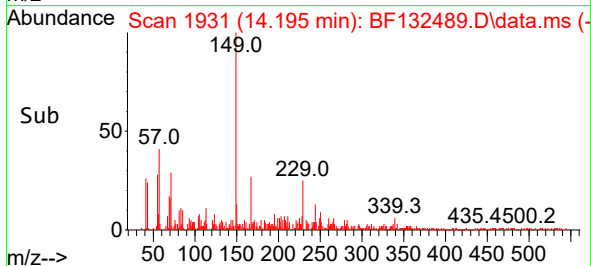
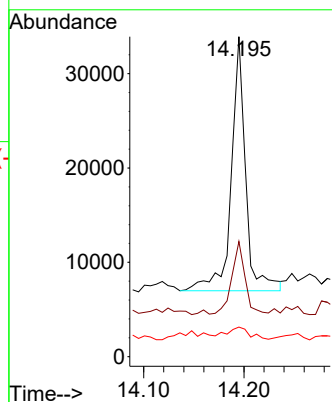
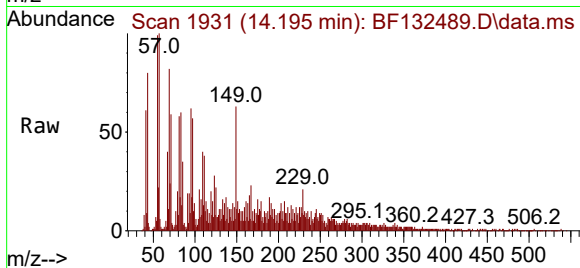




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.863 ng
RT: 14.195 min Scan# 1931
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

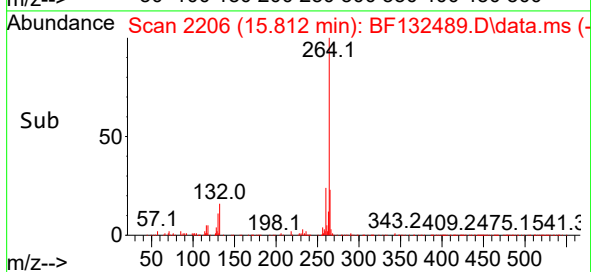
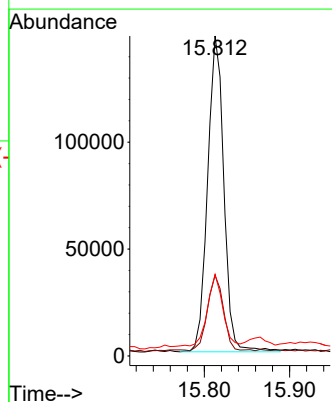
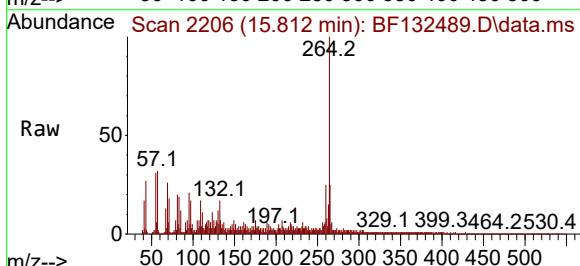
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

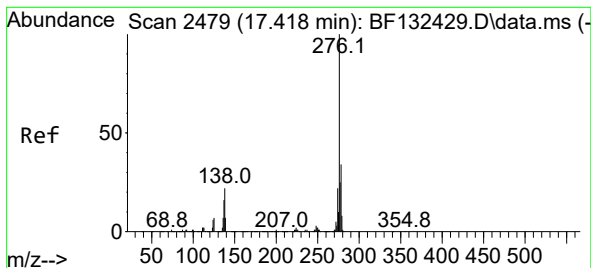
Tgt Ion:149 Resp: 26774
Ion Ratio Lower Upper
149 100
167 36.0 21.0 31.6#
279 9.3 2.5 3.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.812 min Scan# 2206
Delta R.T. 0.029 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:264 Resp: 196019
Ion Ratio Lower Upper
264 100
260 25.2 20.0 30.0
265 25.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.181 ng

RT: 17.436 min Scan# 2479

Delta R.T. 0.035 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

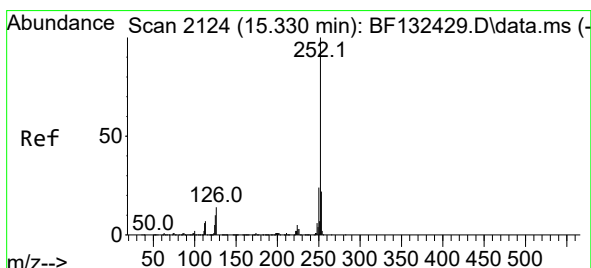
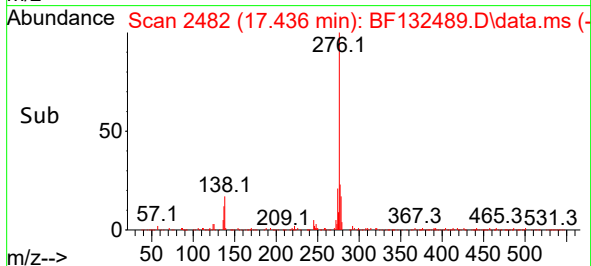
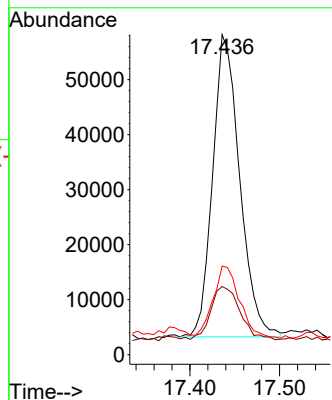
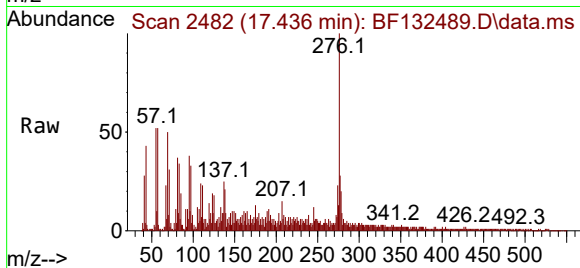
Tgt Ion:276 Resp: 115043

Ion Ratio Lower Upper

276 100

138 18.6 20.2 30.4#

277 24.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 32.627 ng

RT: 15.342 min Scan# 2126

Delta R.T. 0.024 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

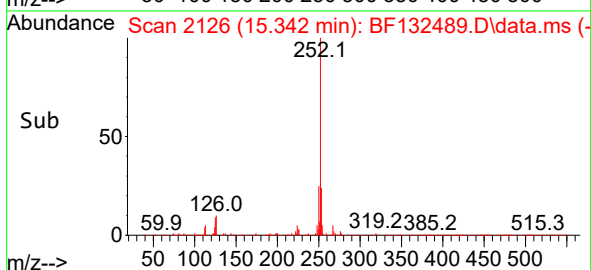
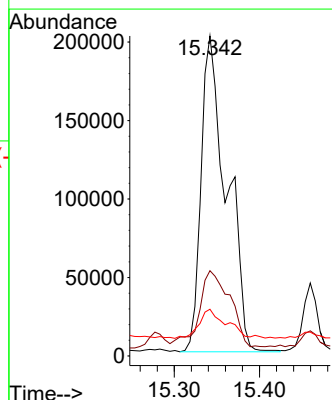
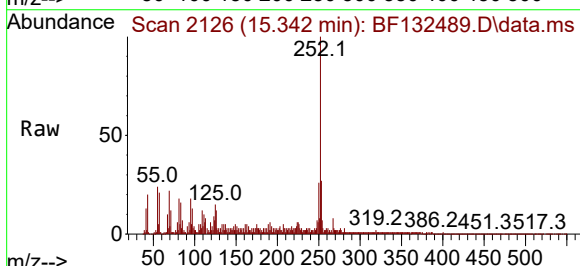
Tgt Ion:252 Resp: 420573

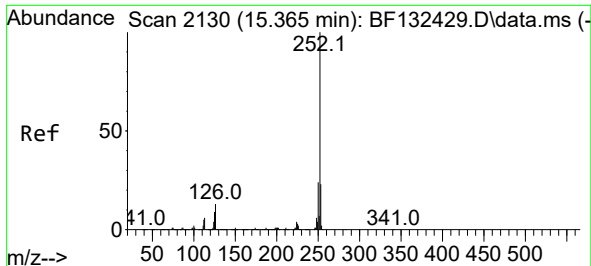
Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

125 14.6 7.6 11.4#

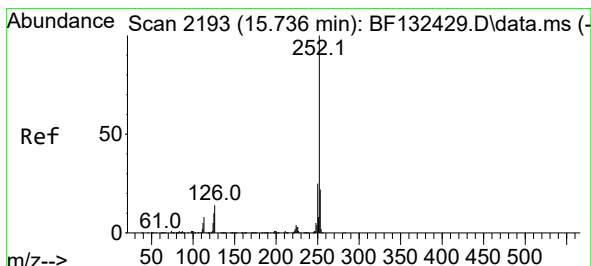
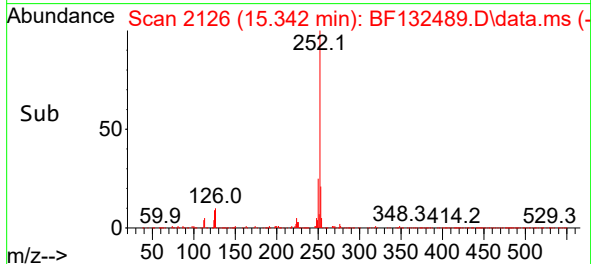
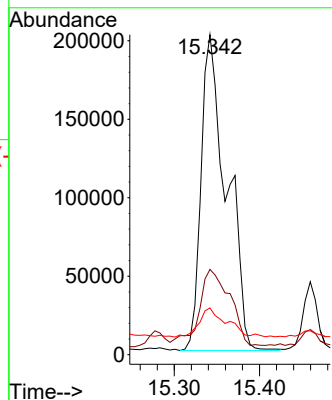
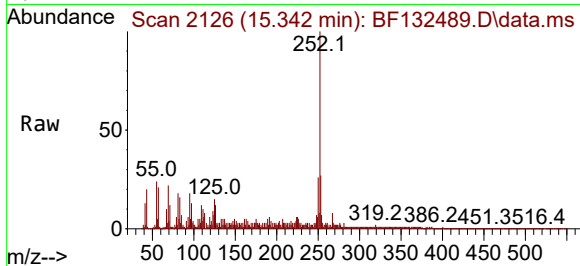




#89
Benzo(k)fluoranthene
Concen: 32.604 ng
RT: 15.342 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

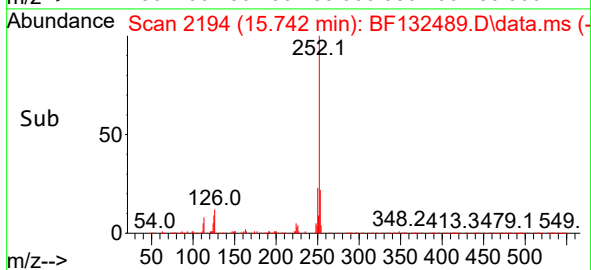
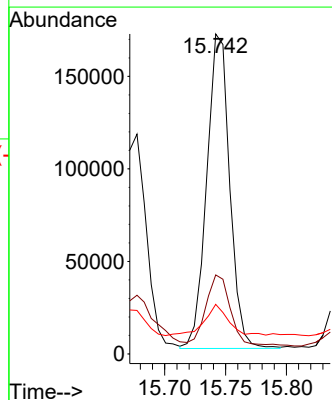
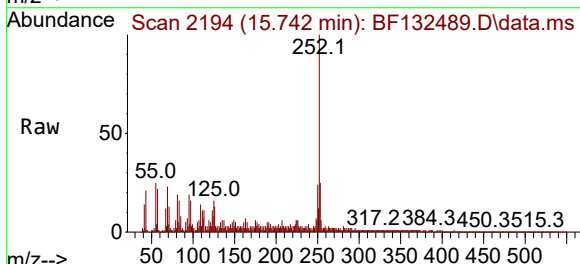
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

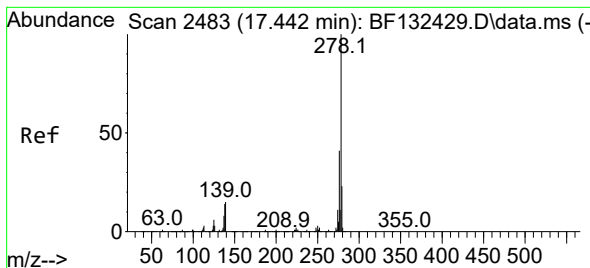
Tgt Ion:252 Resp: 420573
Ion Ratio Lower Upper
252 100
253 26.7 18.2 27.2
125 14.6 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 18.686 ng
RT: 15.742 min Scan# 2194
Delta R.T. 0.024 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:252 Resp: 223845
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 15.5 8.2 12.4#





#91

Dibenzo(a,h)anthracene

Concen: 2.857 ng

RT: 17.454 min Scan# 2485

Delta R.T. 0.035 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

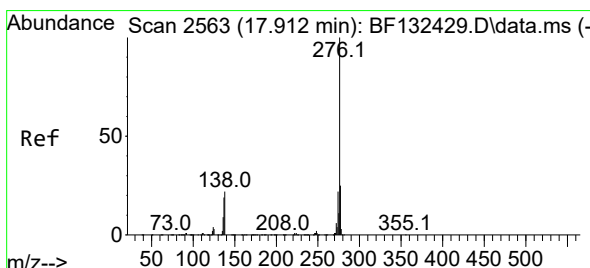
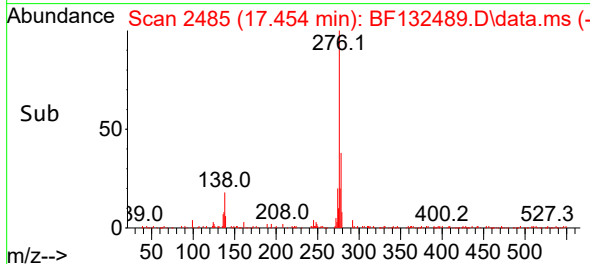
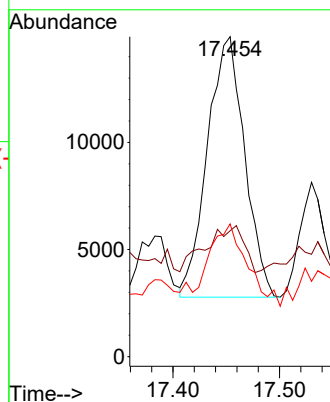
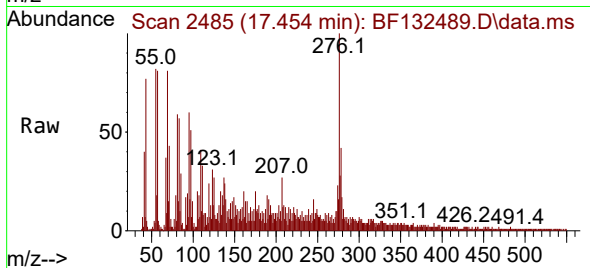
Tgt Ion:278 Resp: 29485

Ion Ratio Lower Upper

278 100

139 39.4 12.2 18.2#

279 41.5 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 10.414 ng

RT: 17.936 min Scan# 2567

Delta R.T. 0.041 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Tgt Ion:276 Resp: 110372

Ion Ratio Lower Upper

276 100

277 28.1 19.6 29.4

138 22.8 17.7 26.5

