

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134013.D
 Acq On : 28 Jun 2023 04:49
 Operator : CG\JU
 Sample : 03361-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-31-36

Quant Time: Jun 28 05:37:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

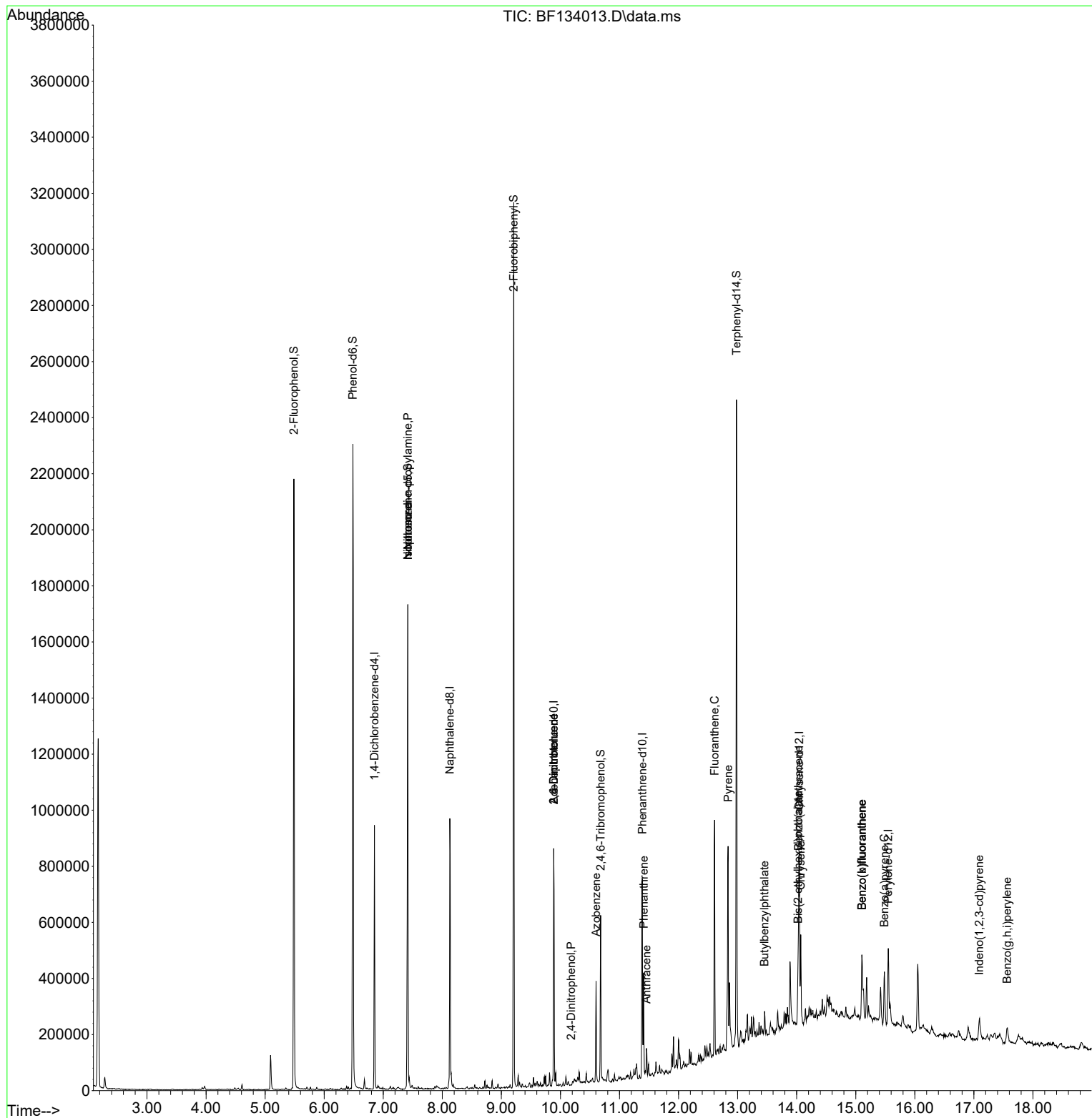
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	118597	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	413136	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	162749	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	279381	20.000	ng	0.00
76) Chrysene-d12	14.045	240	167270	20.000	ng	0.00
86) Perylene-d12	15.551	264	132100	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	557600	78.647	ng	0.00
7) Phenol-d6	6.487	99	761114	87.292	ng	0.00
23) Nitrobenzene-d5	7.416	82	500685	65.329	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	65308	32.005	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	851657	76.081	ng	0.00
79) Terphenyl-d14	12.980	244	795396	76.530	ng	0.00
Target Compounds						
9) Benzaldehyde	6.404	77	1489	Below Cal	Qvalue	# 62
19) n-Nitroso-di-n-propyla...	7.416	70	72288	13.073	ng	# 76
25) Isophorone	7.416	82	499787	35.881	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	21602	8.490	ng	# 24
54) 2,4-Dinitrophenol	10.180	184	56	3.900	ng	# 15
57) 2,4-Dinitrotoluene	9.886	165	21598	6.427	ng	# 23
63) Azobenzene	10.604	77	56969	4.893	ng	# 1
71) Phenanthrene	11.410	178	136258	9.688	ng	97
72) Anthracene	11.457	178	38125	2.606	ng	97
75) Fluoranthene	12.610	202	338019	22.231	ng	96
78) Pyrene	12.839	202	318750	20.476	ng	99
80) Butylbenzylphthalate	13.457	149	18651	3.195	ng	97
81) Benzo(a)anthracene	14.033	228	141053	12.159	ng	96
83) Chrysene	14.068	228	119233	10.612	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	40085	5.975	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	56639	6.179	ng	96
88) Benzo(b)fluoranthene	15.104	252	174993	22.529	ng	# 96
89) Benzo(k)fluoranthene	15.104	252	174993	22.127	ng	# 95
90) Benzo(a)pyrene	15.486	252	93828	12.492	ng	96
92) Benzo(g,h,i)perylene	17.562	276	60980	7.898	ng	97

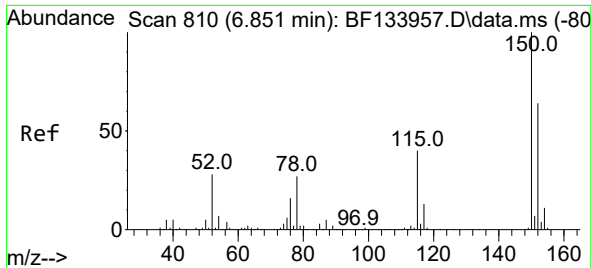
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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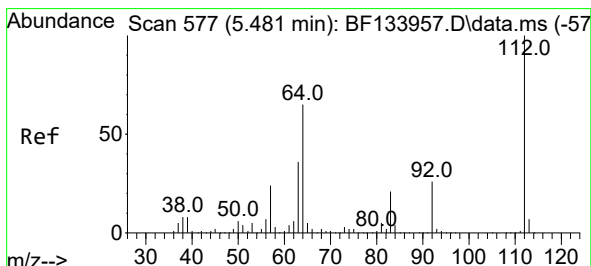
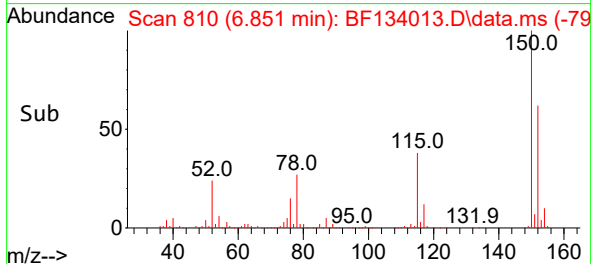
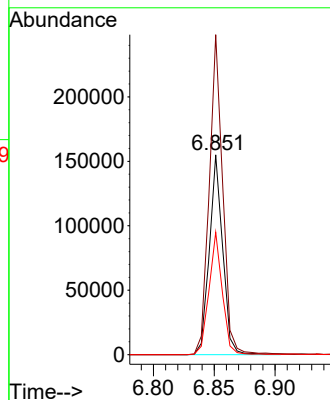
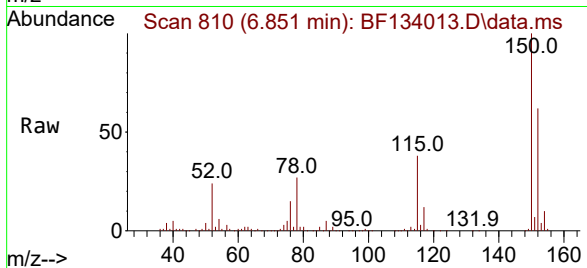




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

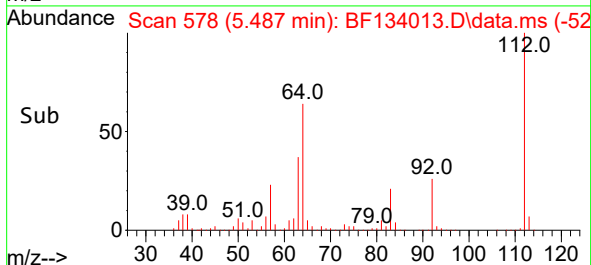
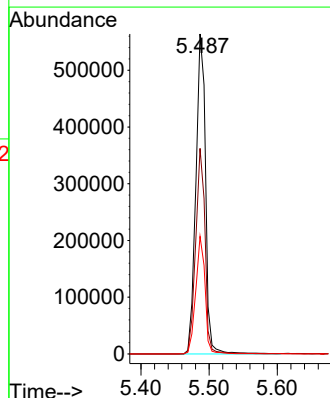
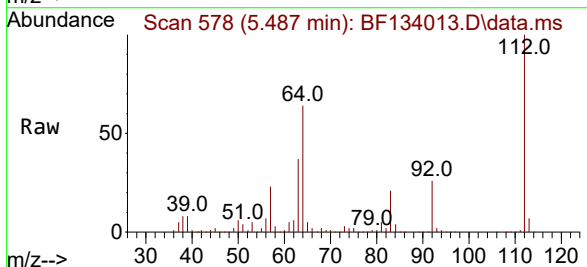
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BNA_F
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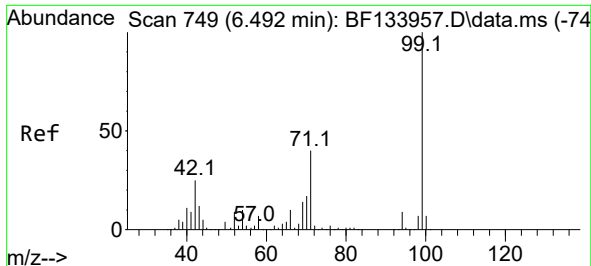
Tgt Ion:152 Resp: 118597
Ion Ratio Lower Upper
152 100
150 160.1 124.5 186.7
115 61.3 50.2 75.2



#5
2-Fluorophenol
Concen: 78.647 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion:112 Resp: 557600
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 36.7 28.6 42.8

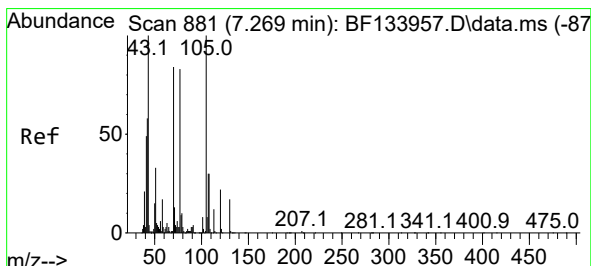
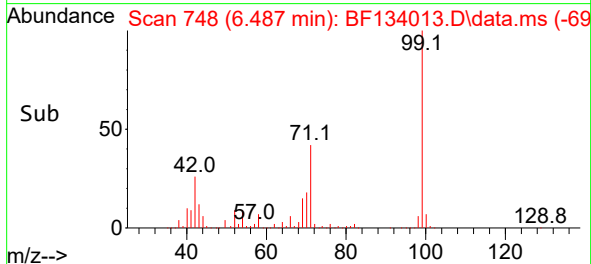
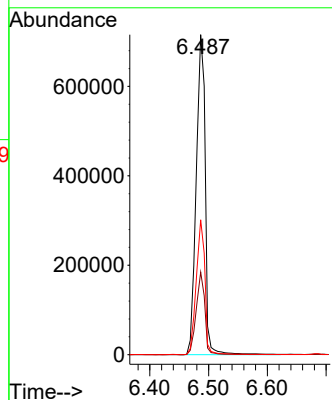
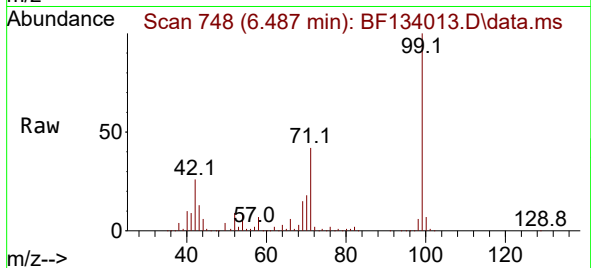




#7
Phenol-d6
Concen: 87.292 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

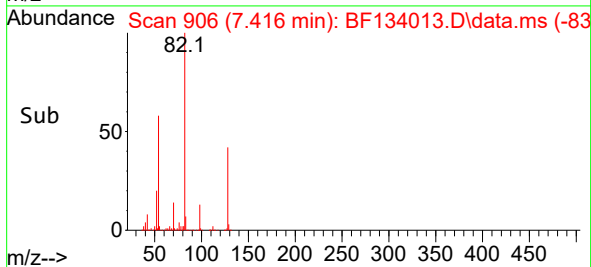
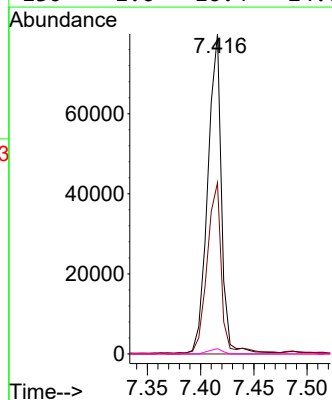
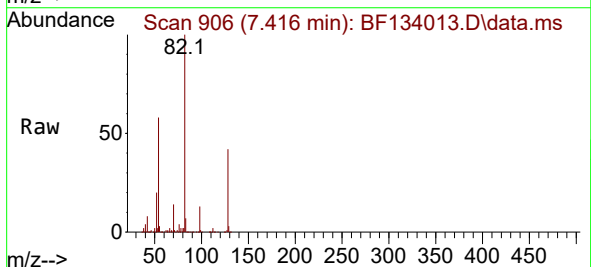
Instrument :
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ClientSampleId :
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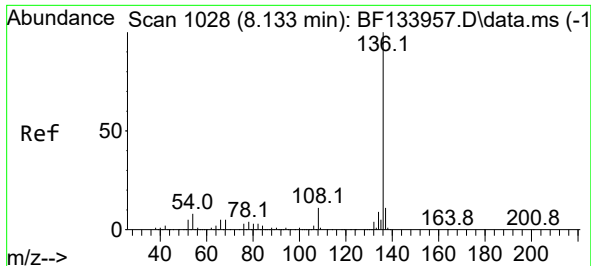
Tgt Ion: 99 Resp: 761114
Ion Ratio Lower Upper
99 100
42 25.8 19.8 29.6
71 42.2 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.073 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion: 70 Resp: 72288
Ion Ratio Lower Upper
70 100
42 53.5 54.7 82.1#
101 0.0 7.7 11.5#
130 1.6 16.4 24.6#

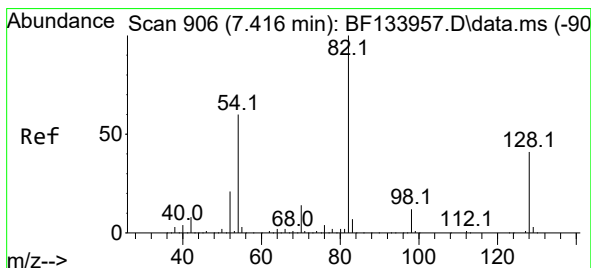
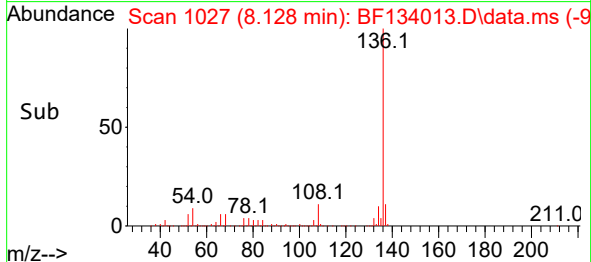
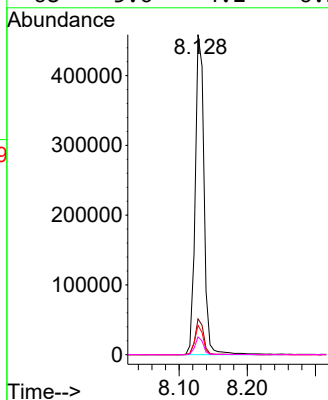
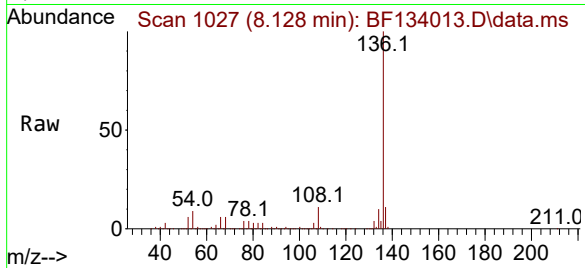




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

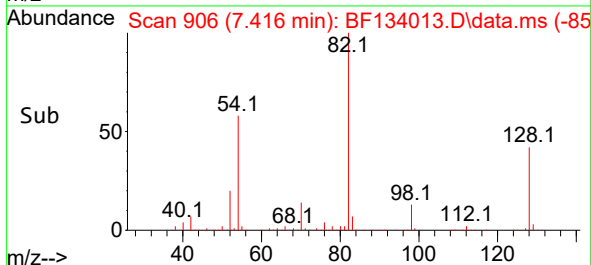
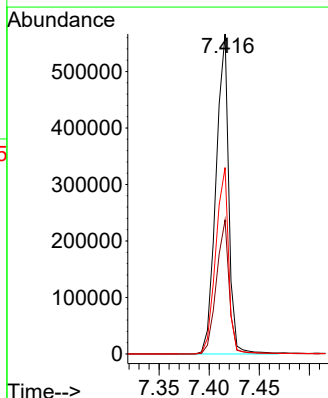
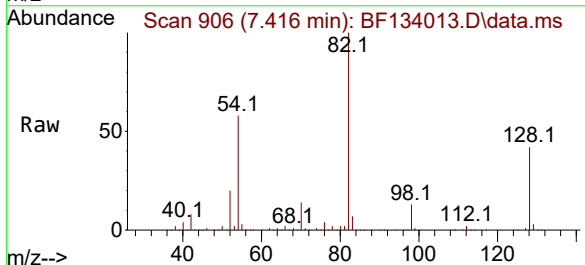
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36

Tgt Ion:136 Resp: 413136
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.1 6.5 9.7
68 5.6 4.2 6.2



#23
Nitrobenzene-d5
Concen: 65.329 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion: 82 Resp: 500685
Ion Ratio Lower Upper
82 100
128 41.9 32.5 48.7
54 58.3 48.2 72.2

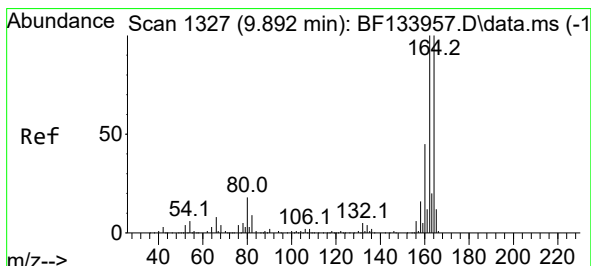
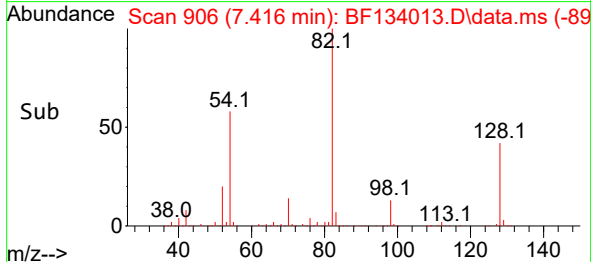
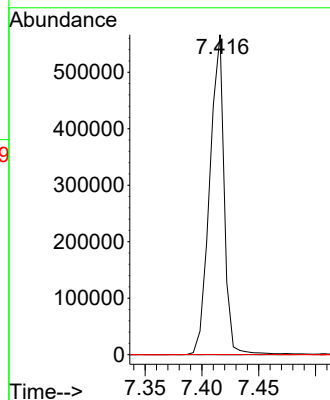
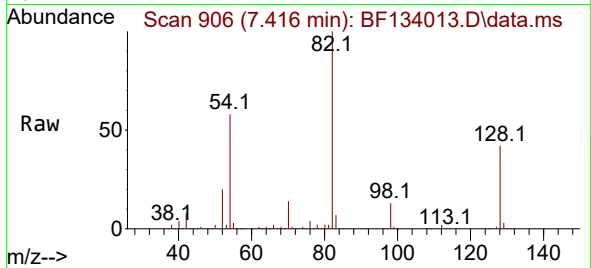




#25
Isophorone
Concen: 35.881 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

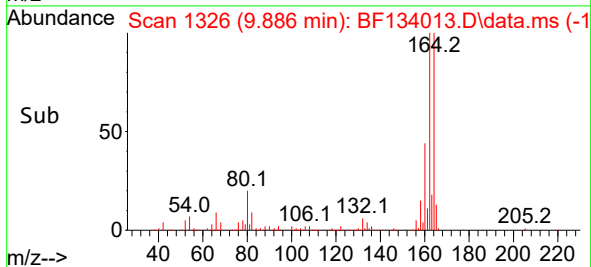
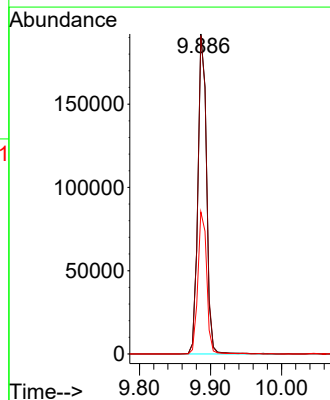
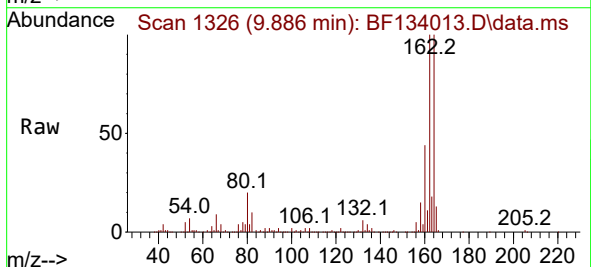
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36

Tgt Ion: 82 Resp: 499787
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion:164 Resp: 162749
Ion Ratio Lower Upper
164 100
162 99.5 80.0 120.0
160 44.4 35.9 53.9

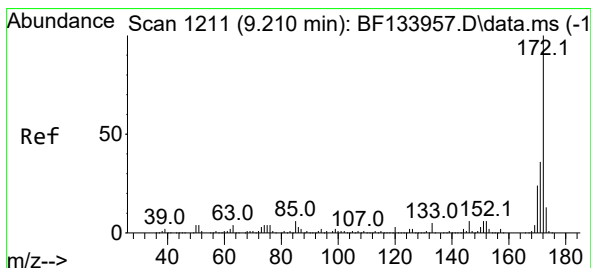
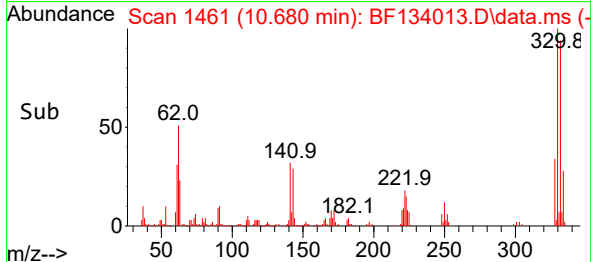
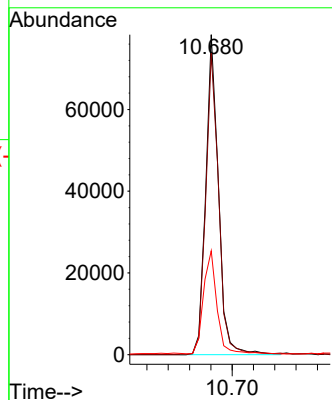
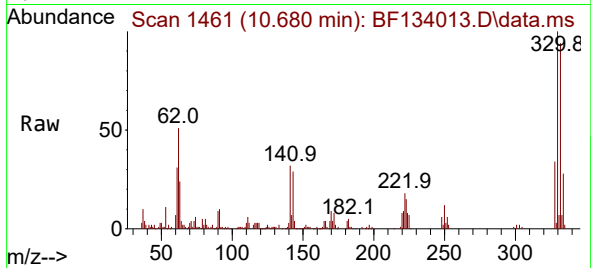




#42
2,4,6-Tribromophenol
Concen: 32.005 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

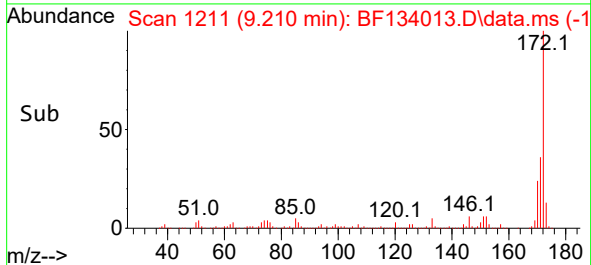
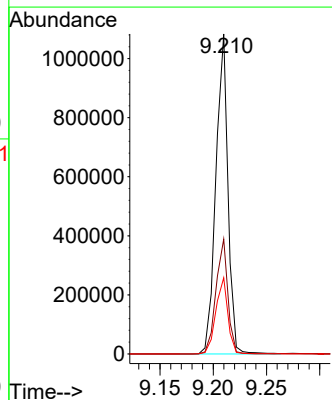
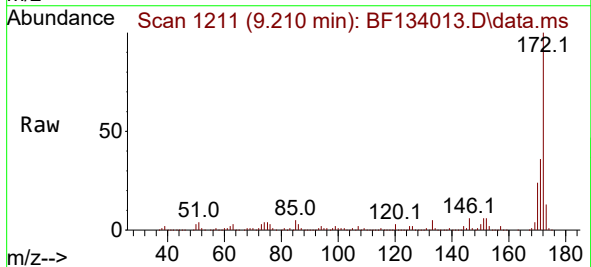
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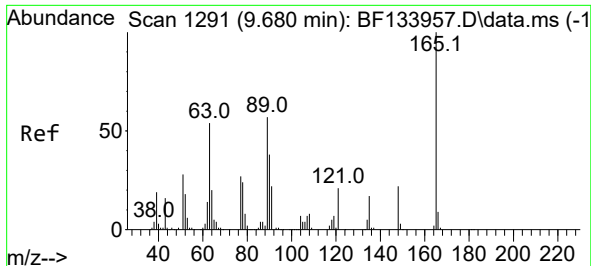
Tgt Ion:330 Resp: 65308
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 33.9 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 76.081 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion:172 Resp: 851657
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.490 ng

RT: 9.886 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36

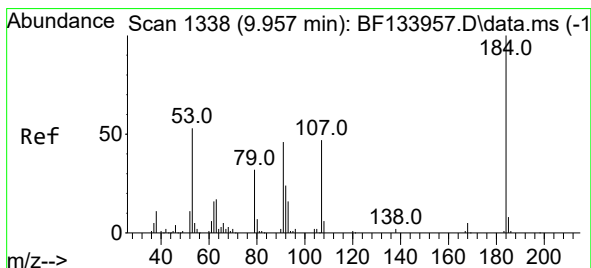
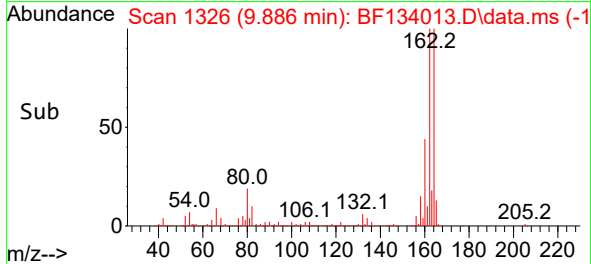
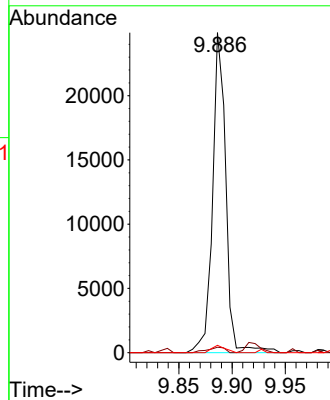
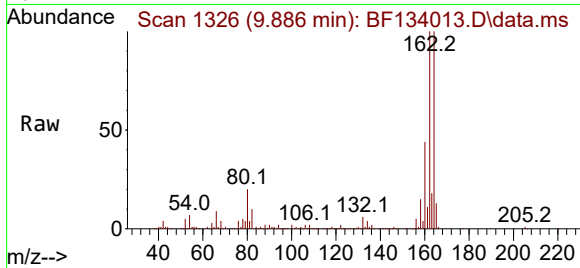
Tgt Ion:165 Resp: 21602

Ion Ratio Lower Upper

165 100

63 1.7 48.5 72.7#

89 2.3 45.5 68.3#



#54

2,4-Dinitrophenol

Concen: 3.900 ng

RT: 10.180 min Scan# 1376

Delta R.T. 0.223 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

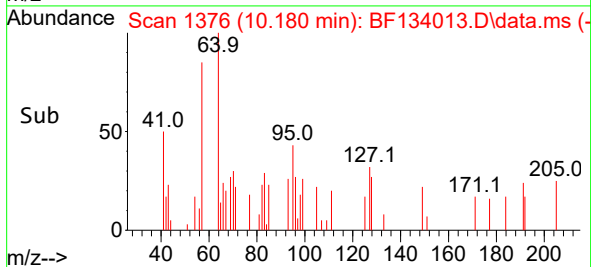
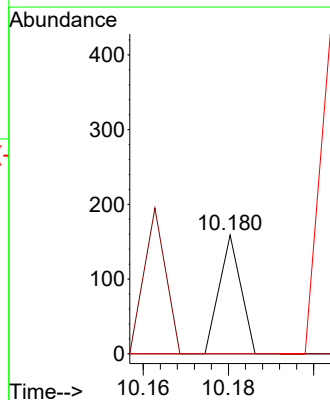
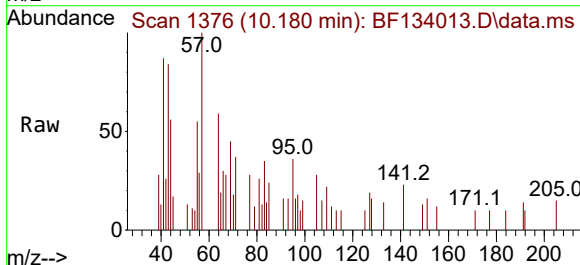
Tgt Ion:184 Resp: 56

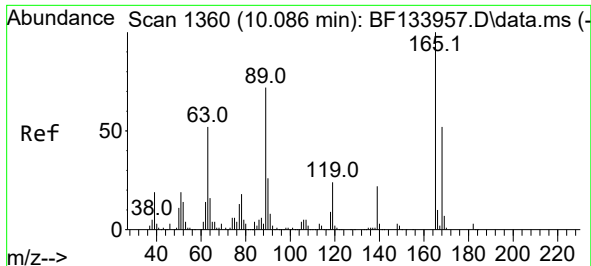
Ion Ratio Lower Upper

184 100

63 0.0 56.9 85.3#

154 0.0 55.4 83.0#

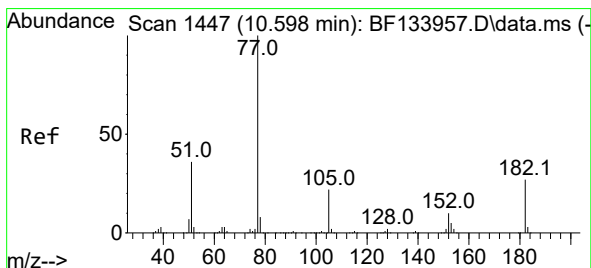
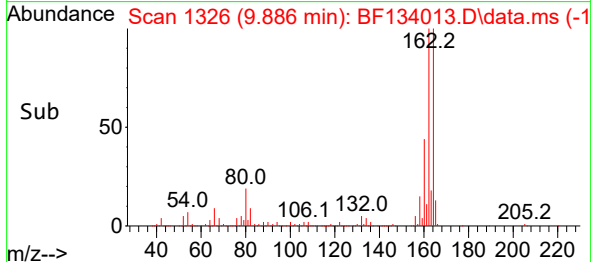
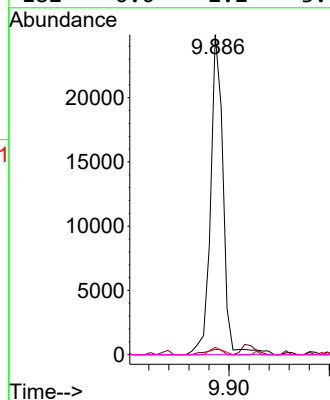
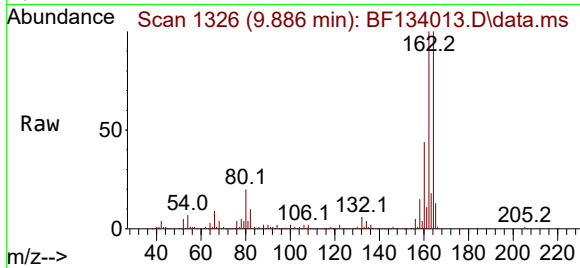




#57
2,4-Dinitrotoluene
Concen: 6.427 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

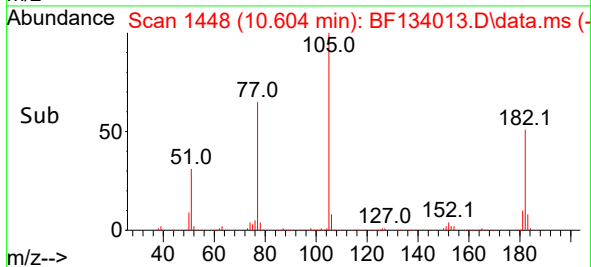
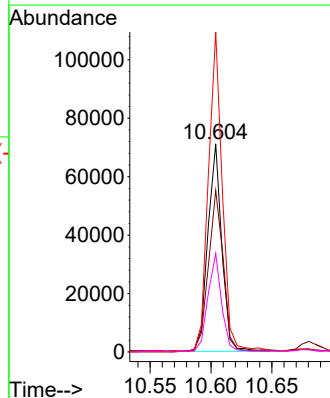
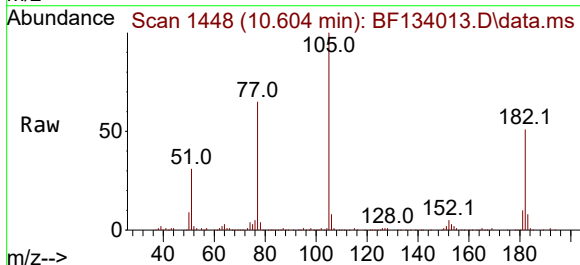
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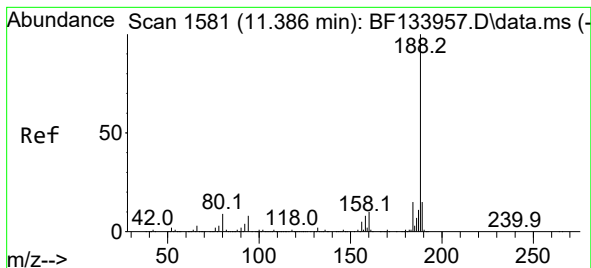
Tgt Ion:165 Resp: 21598
Ion Ratio Lower Upper
165 100
63 1.7 42.2 63.2#
89 2.3 57.4 86.2#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 4.893 ng
RT: 10.604 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion: 77 Resp: 56969
Ion Ratio Lower Upper
77 100
182 77.6 6.8 46.8#
105 153.7 2.3 42.3#
51 47.3 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36

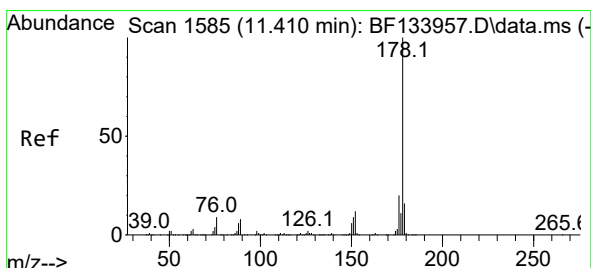
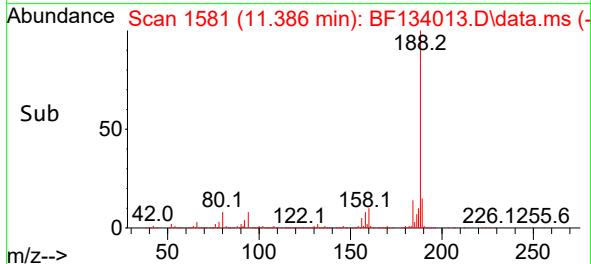
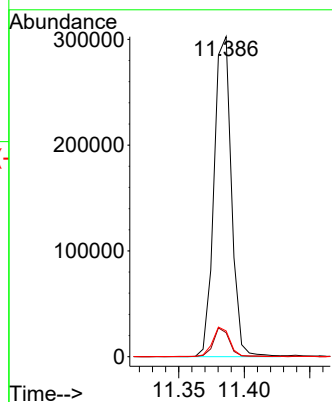
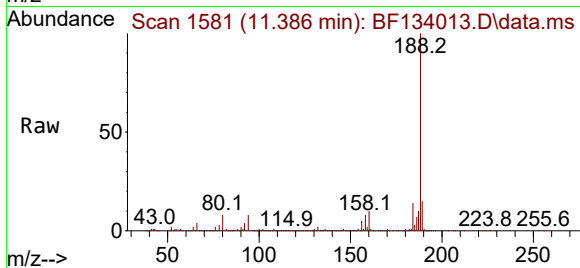
Tgt Ion:188 Resp: 279381

Ion Ratio Lower Upper

188 100

94 7.5 6.4 9.6

80 8.0 7.3 10.9



#71

Phenanthrene

Concen: 9.688 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

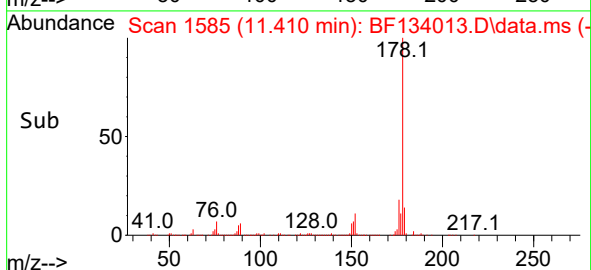
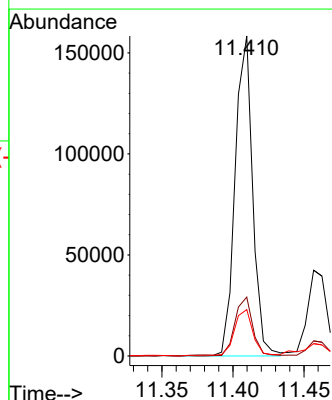
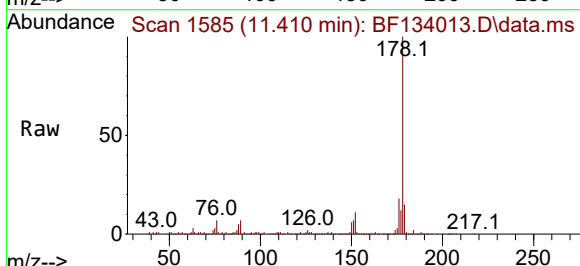
Tgt Ion:178 Resp: 136258

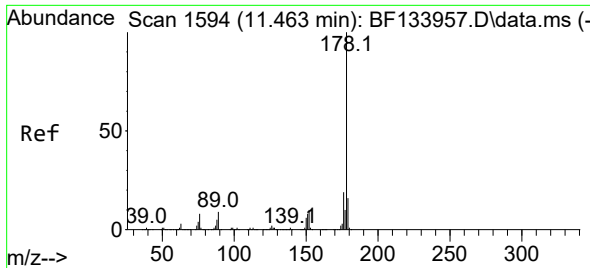
Ion Ratio Lower Upper

178 100

176 18.4 16.0 24.0

179 14.5 12.4 18.6

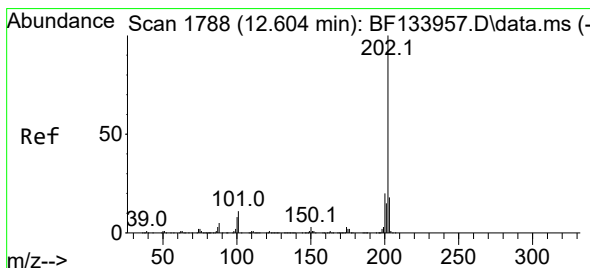
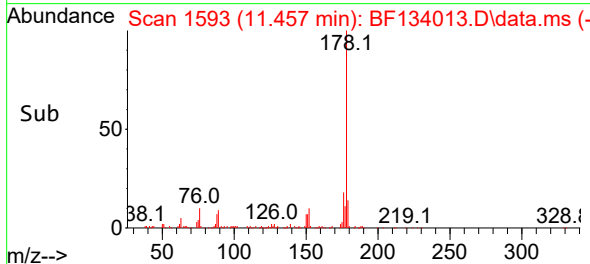
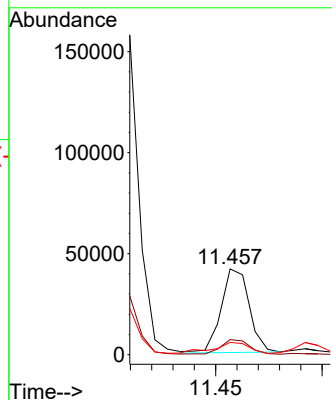
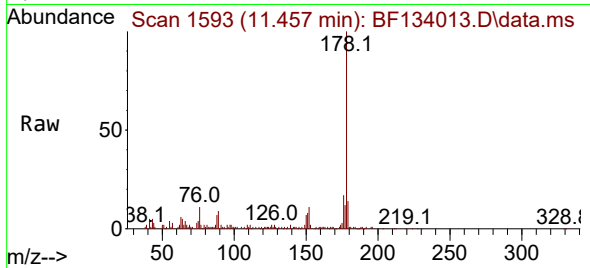




#72
 Anthracene
 Concen: 2.606 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134013.D
 Acq: 28 Jun 2023 04:49

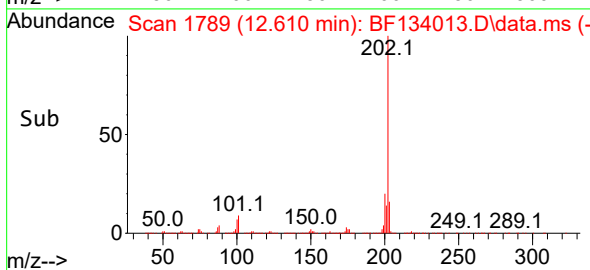
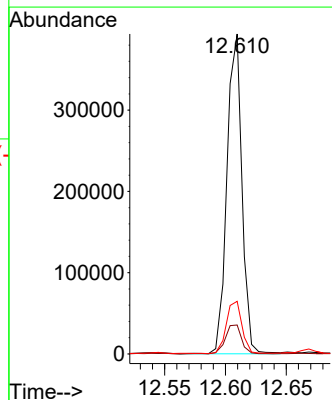
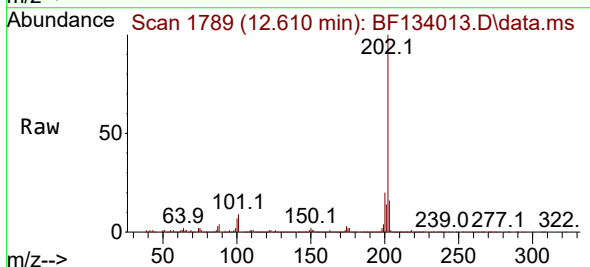
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-31-36

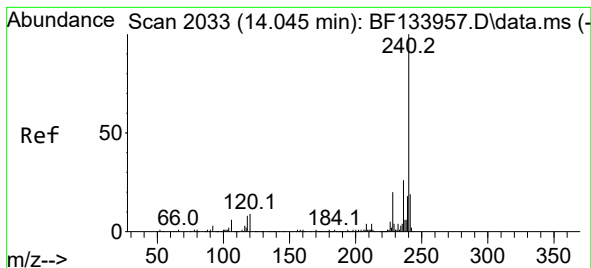
Tgt Ion:178 Resp: 38125
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.3 22.9
 179 14.5 12.4 18.6



#75
 Fluoranthene
 Concen: 22.231 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134013.D
 Acq: 28 Jun 2023 04:49

Tgt Ion:202 Resp: 338019
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.0
 203 16.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36

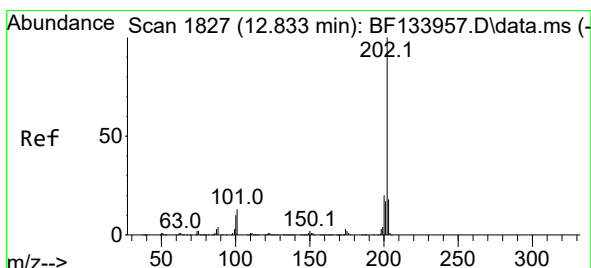
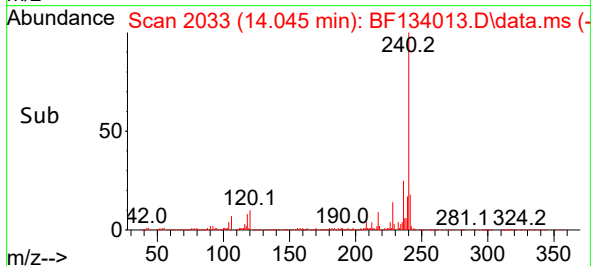
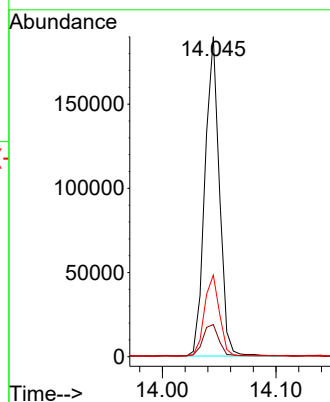
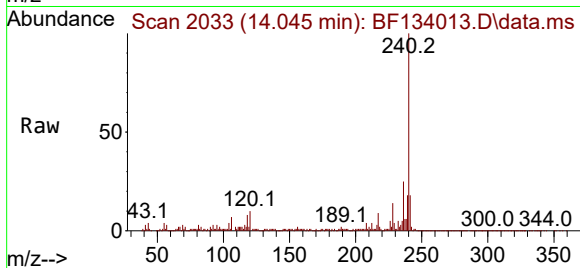
Tgt Ion:240 Resp: 167270

Ion Ratio Lower Upper

240 100

120 10.0 7.4 11.0

236 25.5 21.0 31.6



#78

Pyrene

Concen: 20.476 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.006 min

Lab File: BF134013.D

Acq: 28 Jun 2023 04:49

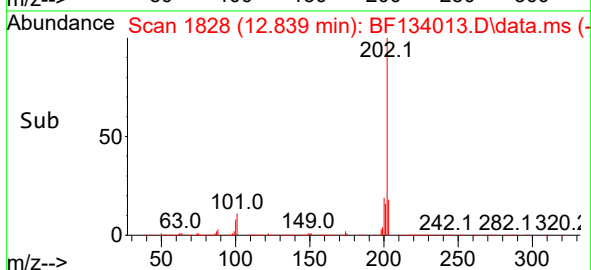
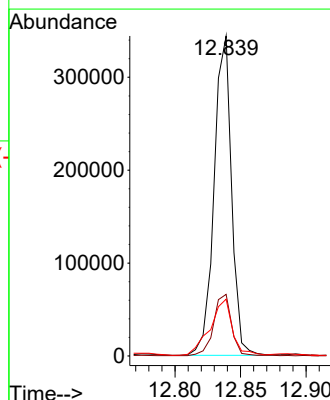
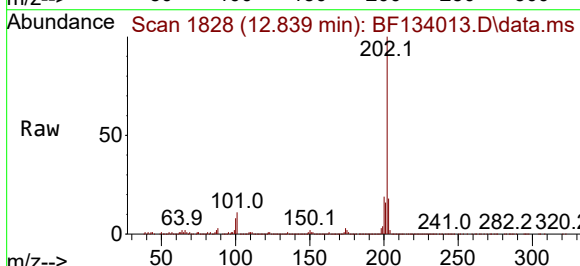
Tgt Ion:202 Resp: 318750

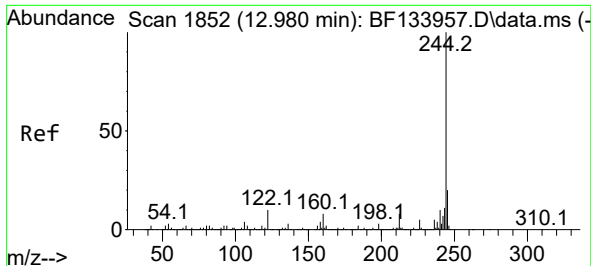
Ion Ratio Lower Upper

202 100

200 19.3 16.1 24.1

203 17.8 14.3 21.5

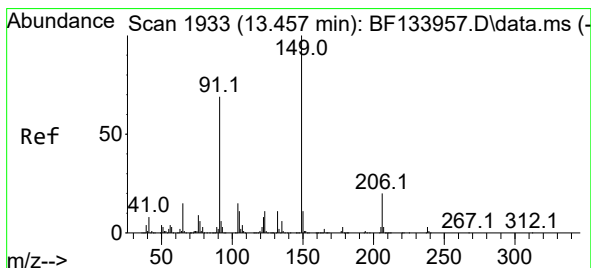
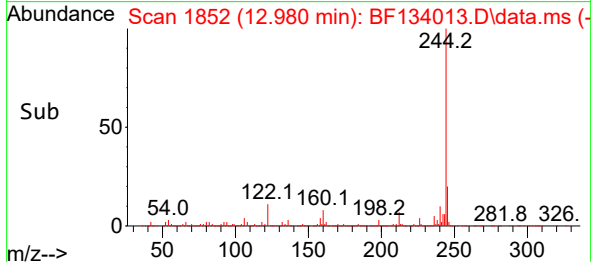
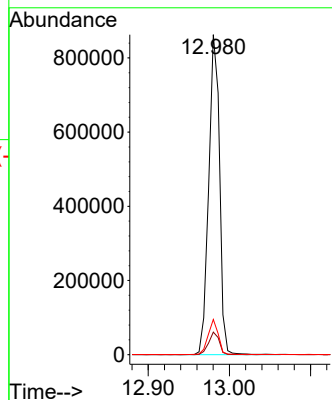
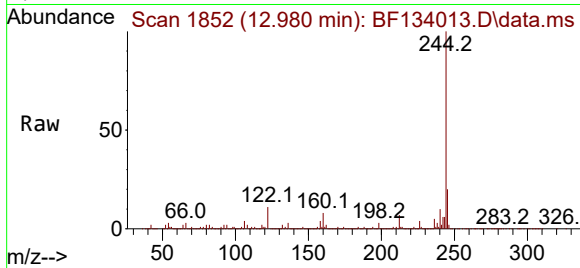




#79
 Terphenyl-d14
 Concen: 76.530 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF134013.D
 Acq: 28 Jun 2023 04:49

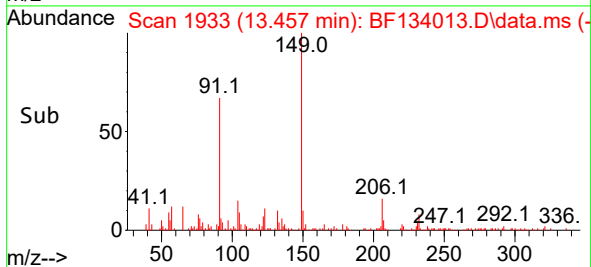
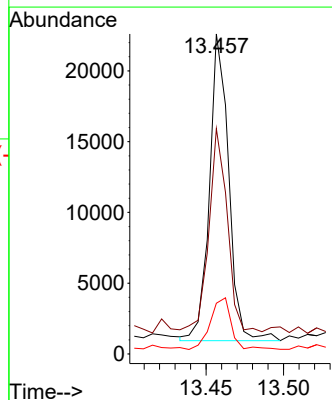
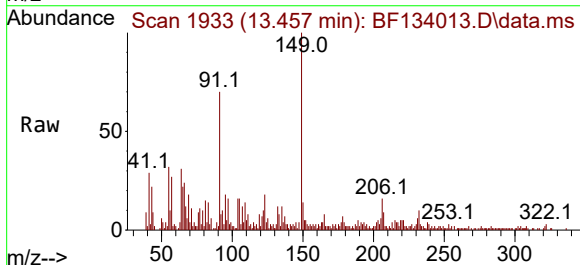
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-31-36

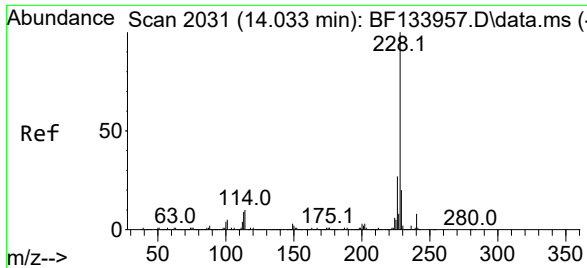
Tgt Ion:244 Resp: 795396
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 11.0 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 3.195 ng
 RT: 13.457 min Scan# 1933
 Delta R.T. 0.000 min
 Lab File: BF134013.D
 Acq: 28 Jun 2023 04:49

Tgt Ion:149 Resp: 18651
 Ion Ratio Lower Upper
 149 100
 91 70.4 55.1 82.7
 206 15.8 15.7 23.5

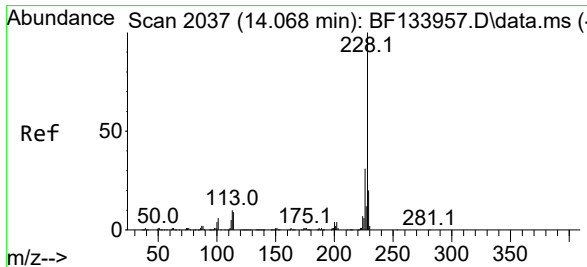
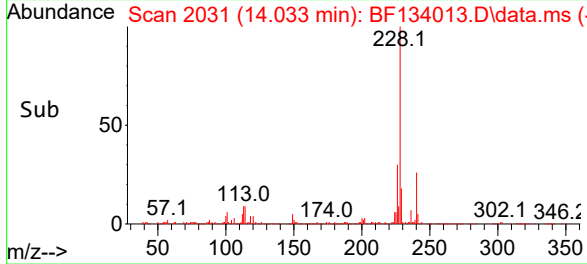
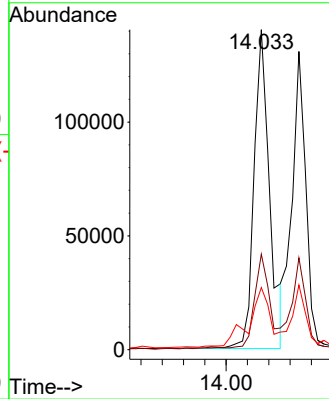
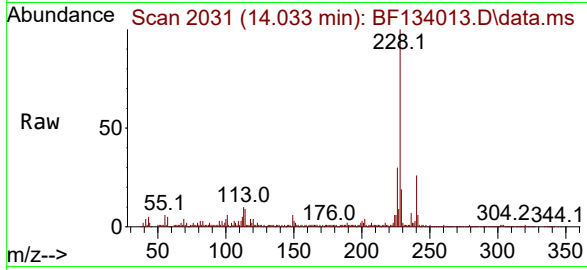




#81
Benzo(a)anthracene
Concen: 12.159 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

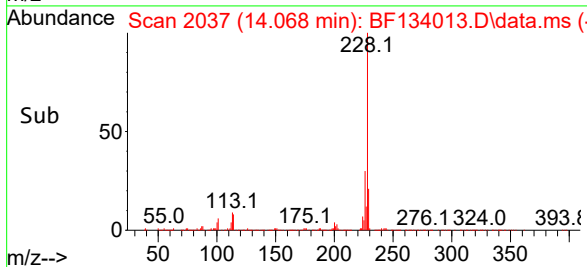
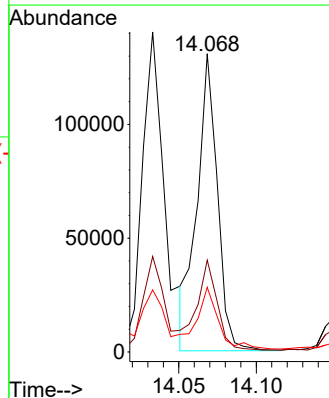
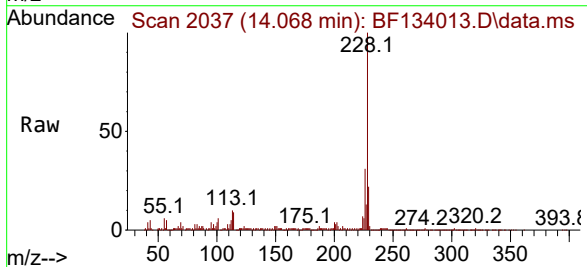
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36

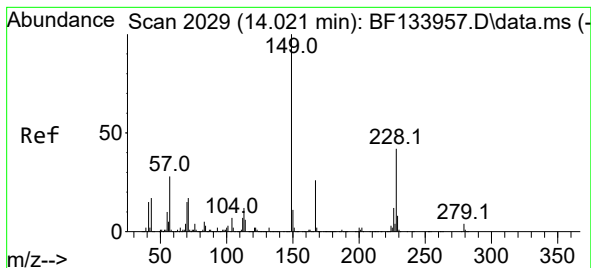
Tgt Ion:228 Resp: 141053
Ion Ratio Lower Upper
228 100
226 29.9 22.0 33.0
229 19.4 16.3 24.5



#83
Chrysene
Concen: 10.612 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion:228 Resp: 119233
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 21.7 16.1 24.1

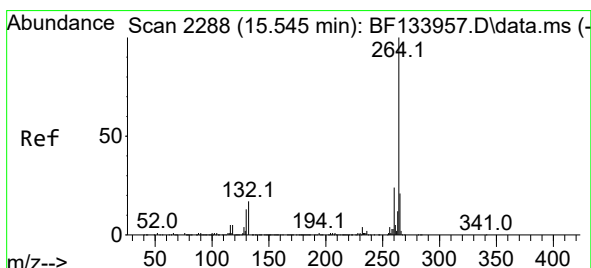
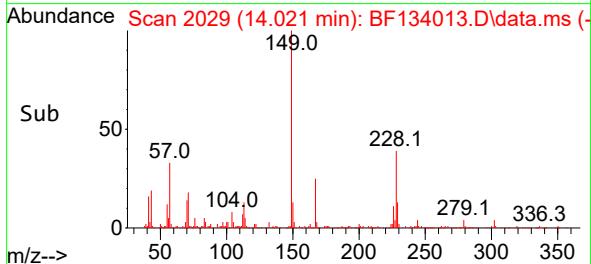
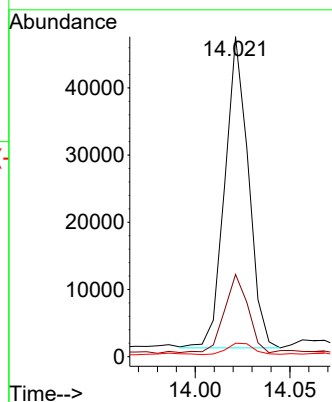
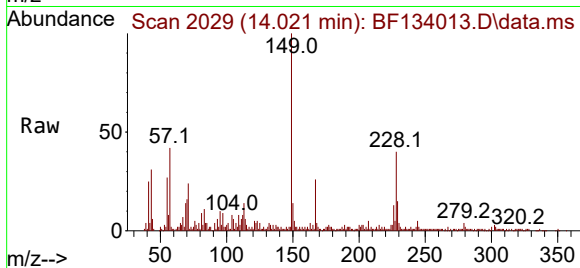




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.975 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

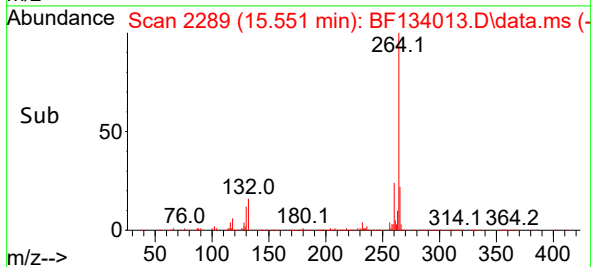
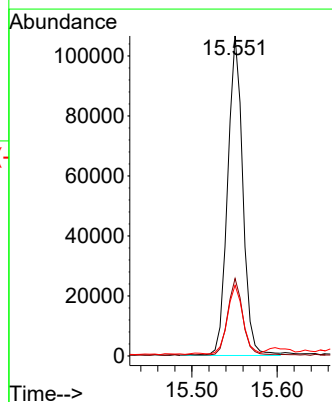
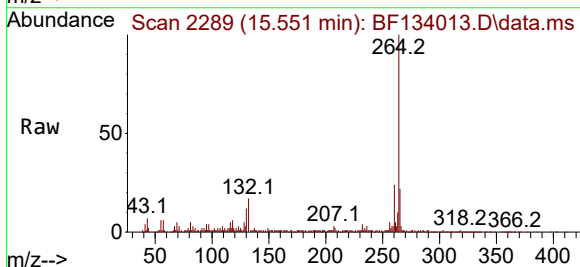
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36

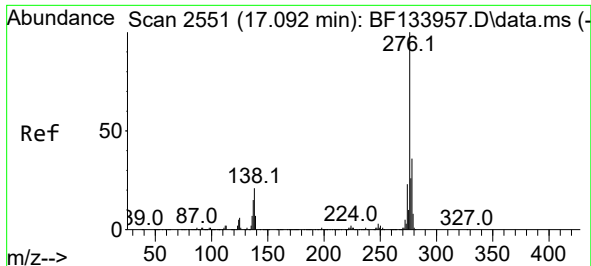
Tgt Ion:149 Resp: 40085
Ion Ratio Lower Upper
149 100
167 25.7 21.0 31.4
279 4.2 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion:264 Resp: 132100
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.1 16.6 25.0

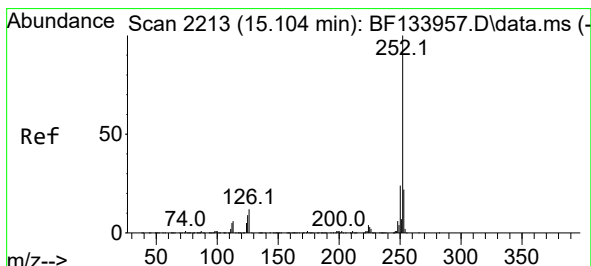
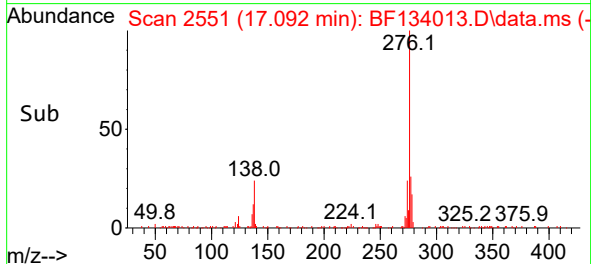
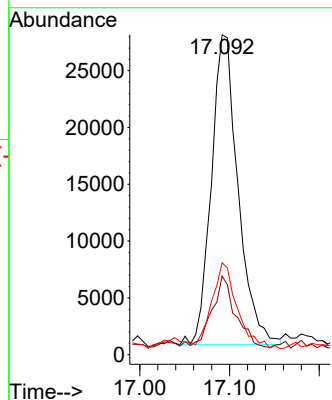
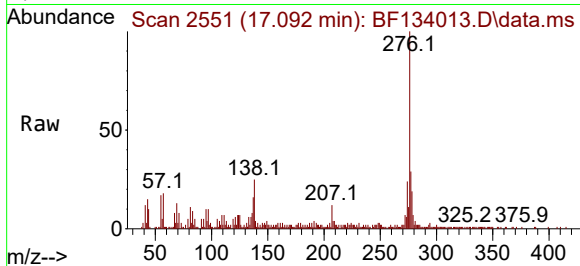




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.179 ng
 RT: 17.092 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF134013.D
 Acq: 28 Jun 2023 04:49

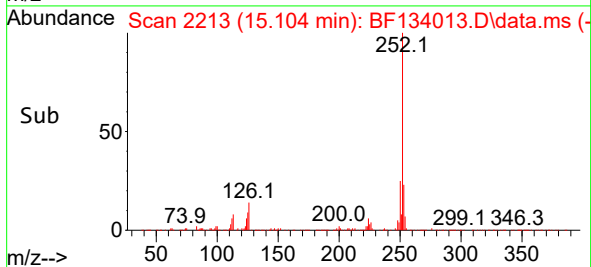
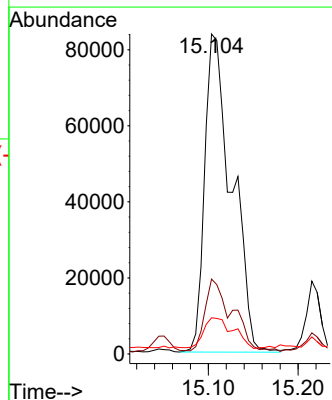
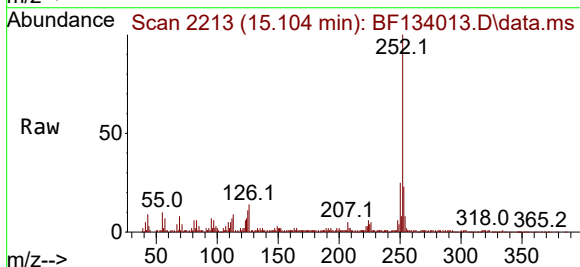
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 COMPOSIT-SB-31-36

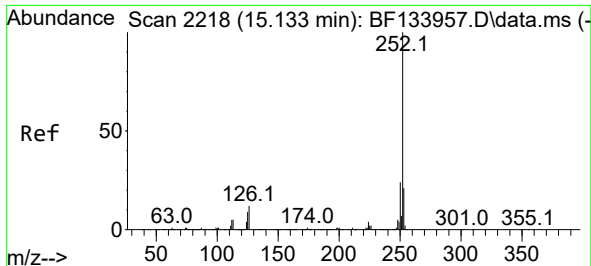
Tgt Ion:276 Resp: 56639
 Ion Ratio Lower Upper
 276 100
 138 20.6 18.7 28.1
 277 26.3 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 22.529 ng
 RT: 15.104 min Scan# 2213
 Delta R.T. 0.000 min
 Lab File: BF134013.D
 Acq: 28 Jun 2023 04:49

Tgt Ion:252 Resp: 174993
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.4 26.0
 125 11.3 7.1 10.7#

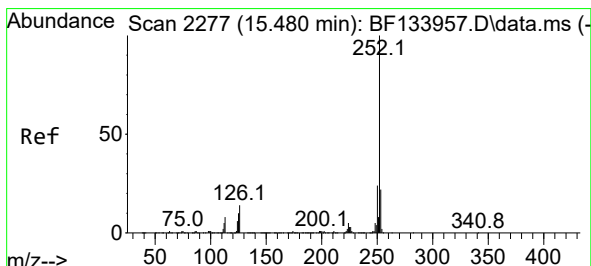
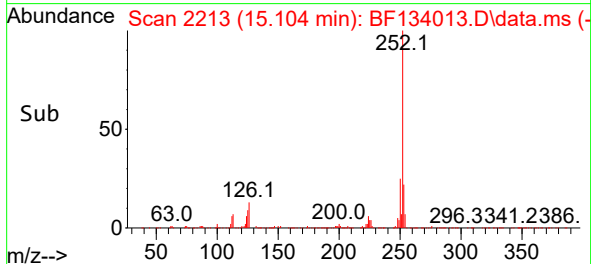
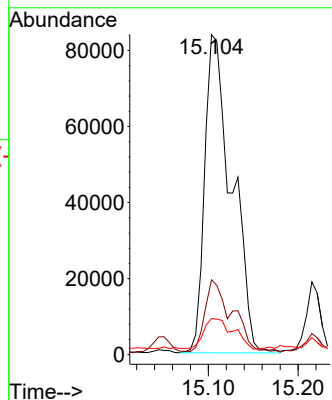
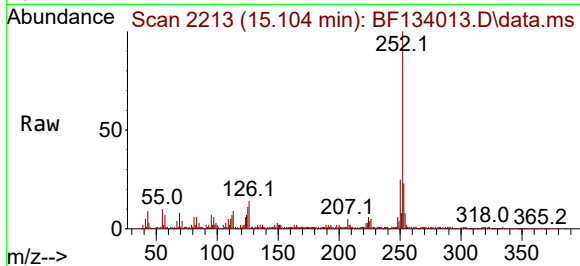




#89
Benzo(k)fluoranthene
Concen: 22.127 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

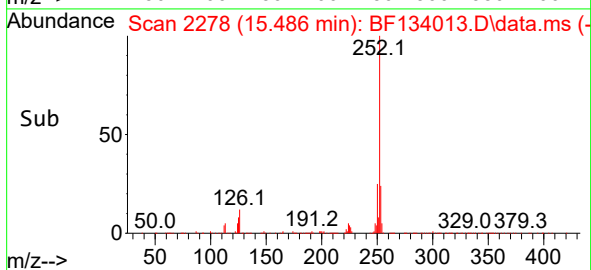
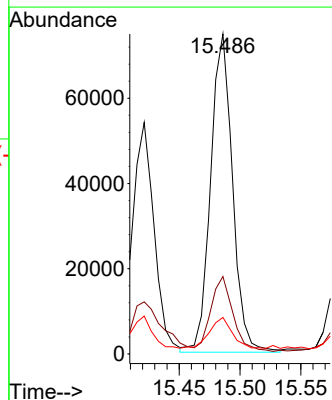
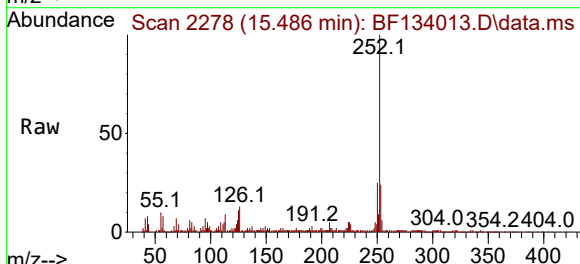
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BNA_F
ClientSampleId :
COMPOSIT-SB-31-36

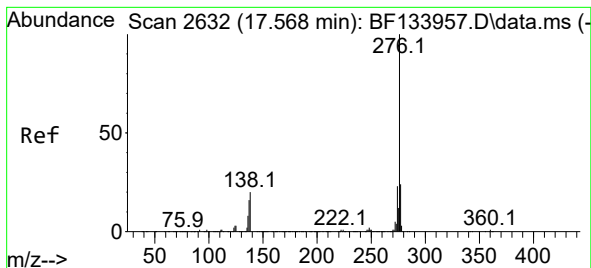
Tgt Ion:252 Resp: 174993
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 11.3 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 12.492 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF134013.D
Acq: 28 Jun 2023 04:49

Tgt Ion:252 Resp: 93828
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 11.4 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 7.898 ng

RT: 17.562 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF134013.D

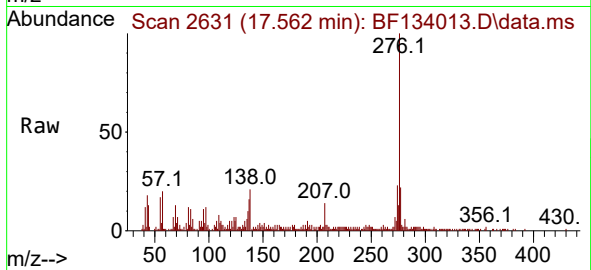
Acq: 28 Jun 2023 04:49

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36



Tgt Ion:276 Resp: 60980

Ion Ratio Lower Upper

276 100

277 21.9 19.0 28.6

138 20.8 16.2 24.2

