

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134046.D
 Acq On : 29 Jun 2023 20:18
 Operator : CG\JU
 Sample : 03362-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-32-37RE

Quant Time: Jun 30 05:13:59 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)

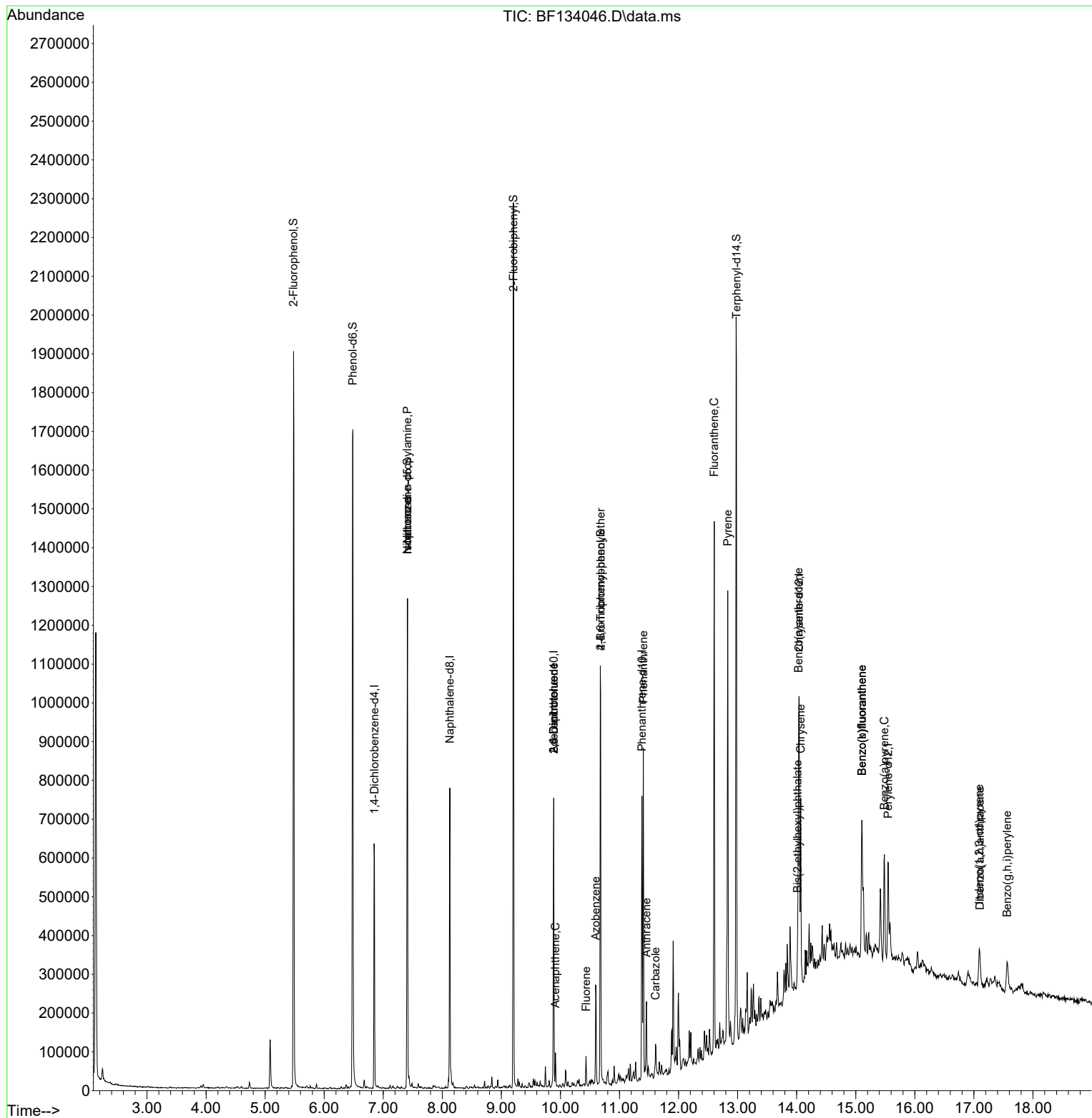
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	95583	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	305798	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	129152	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	256463	20.000	ng	0.00
76) Chrysene-d12	14.039	240	160024	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	134146	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	491109	85.947	ng	0.00
7) Phenol-d6	6.486	99	555967	79.117	ng	0.00
23) Nitrobenzene-d5	7.410	82	355282	62.628	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	130255	80.439	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	603295	67.914	ng	0.00
79) Terphenyl-d14	12.980	244	685022	68.895	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	752	Below Cal	#	57
19) n-Nitroso-di-n-propyla...	7.410	70	50379	11.305	ng	# 77
25) Isophorone	7.410	82	355275	34.459	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	17026	8.432	ng	# 24
52) Acenaphthene	9.916	154	15319	2.039	ng	93
57) 2,4-Dinitrotoluene	9.886	165	17026	6.385	ng	# 23
58) Fluorene	10.433	166	19795	2.167	ng	# 95
63) Azobenzene	10.598	77	43981	4.760	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	8231	3.020	ng	# 1
71) Phenanthrene	11.404	178	285549	22.117	ng	100
72) Anthracene	11.457	178	75416	5.616	ng	100
73) Carbazole	11.610	167	33282	2.708	ng	99
75) Fluoranthene	12.604	202	533609	38.230	ng	98
78) Pyrene	12.833	202	475178	31.907	ng	100
81) Benzo(a)anthracene	14.033	228	218374	19.677	ng	98
83) Chrysene	14.068	228	197826	18.404	ng	98
84) Bis(2-ethylhexyl)phtha...	14.015	149	24970	3.891	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	79285	8.518	ng	95
88) Benzo(b)fluoranthene	15.104	252	280823	35.602	ng	96
89) Benzo(k)fluoranthene	15.104	252	280823	34.967	ng	96
90) Benzo(a)pyrene	15.486	252	141503	18.552	ng	99
91) Dibenzo(a,h)anthracene	17.103	278	19907	2.618	ng	# 86
92) Benzo(g,h,i)perylene	17.562	276	75491	9.628	ng	97

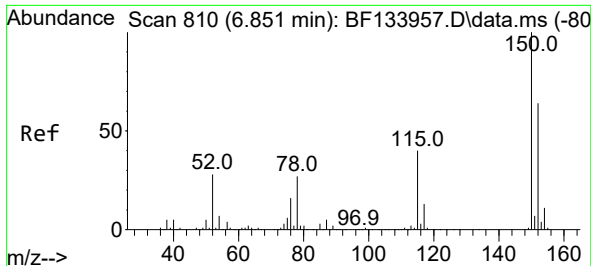
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
Data File : BF134046.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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COMPOSIT-SB-32-37RE

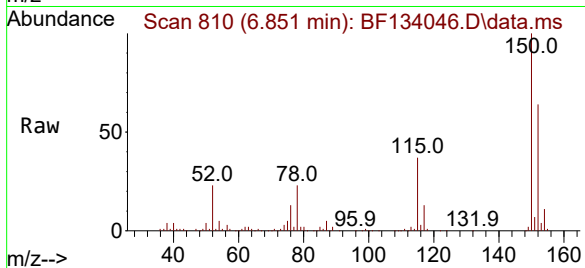
Quant Time: Jun 30 05:13:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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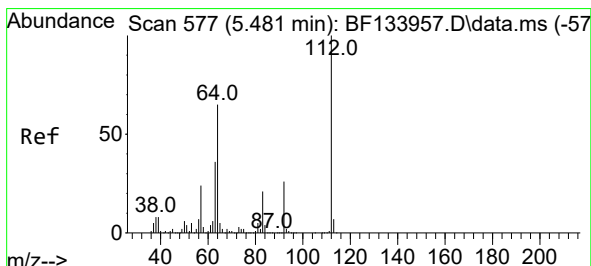
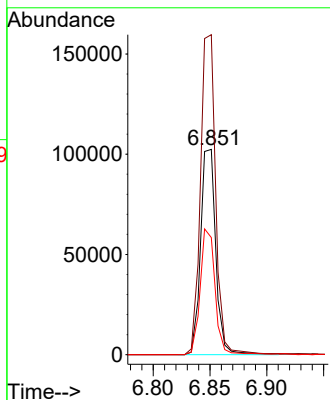
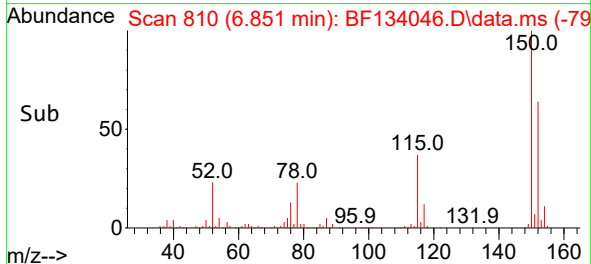


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

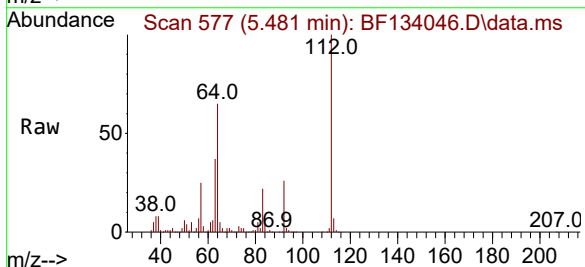
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE



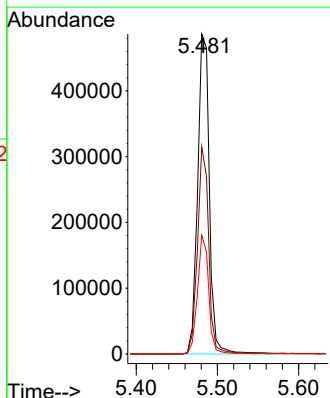
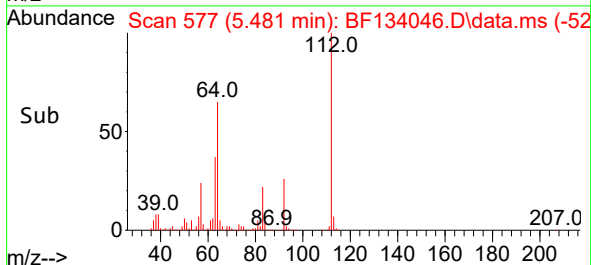
Tgt Ion:152 Resp: 95583
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 57.1 50.2 75.2

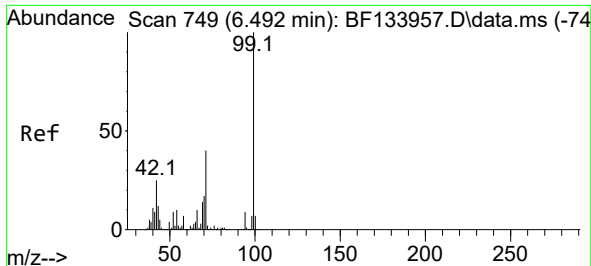


#5
2-Fluorophenol
Concen: 85.947 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18



Tgt Ion:112 Resp: 491109
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 37.1 28.6 42.8

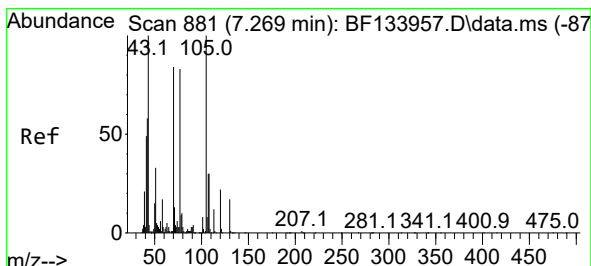
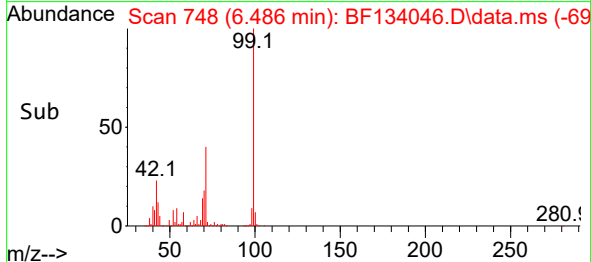
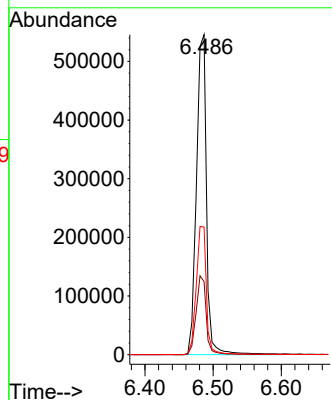
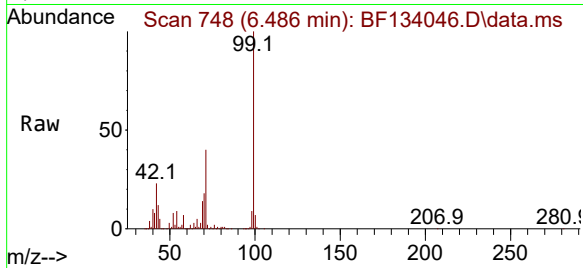




#7
Phenol-d6
Concen: 79.117 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

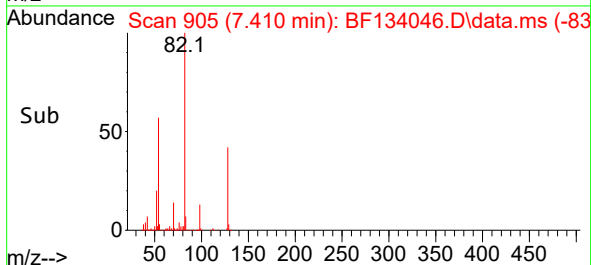
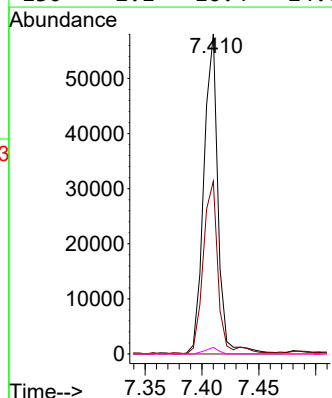
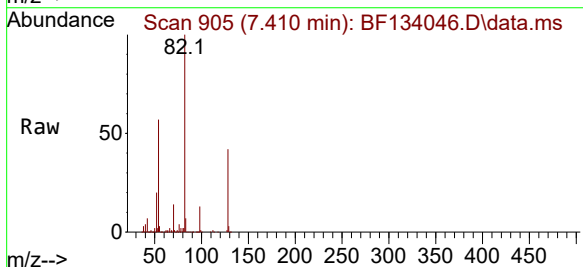
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

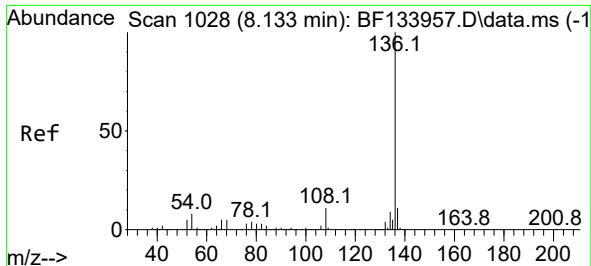
Tgt Ion: 99 Resp: 555967
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.6
71 39.9 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.305 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion: 70 Resp: 50379
Ion Ratio Lower Upper
70 100
42 54.0 54.7 82.1#
101 0.0 7.7 11.5#
130 2.1 16.4 24.6#



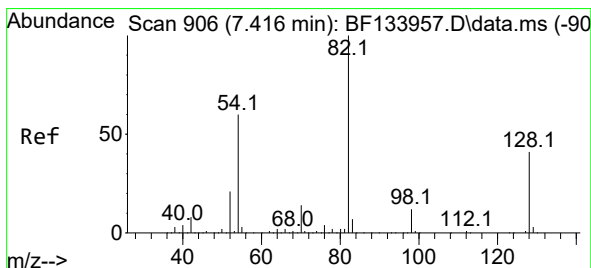
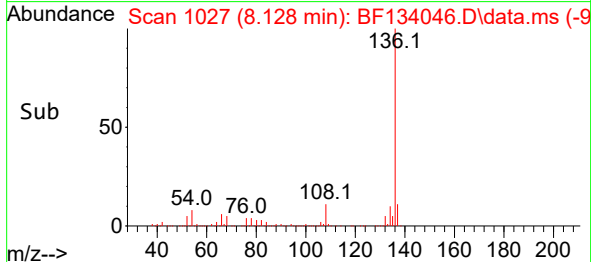
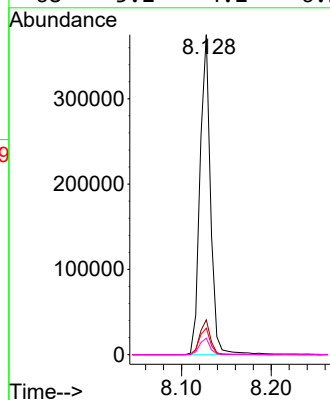
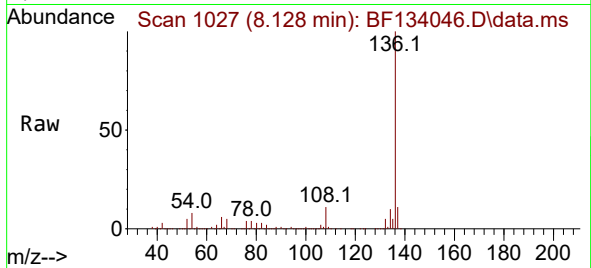


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

Tgt Ion:136 Resp: 305798

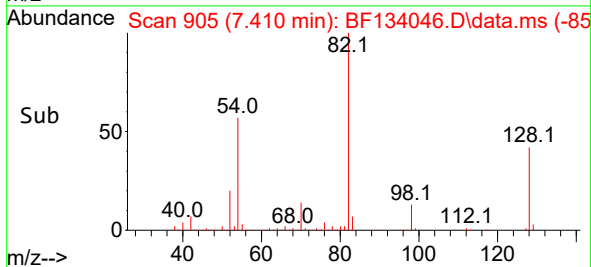
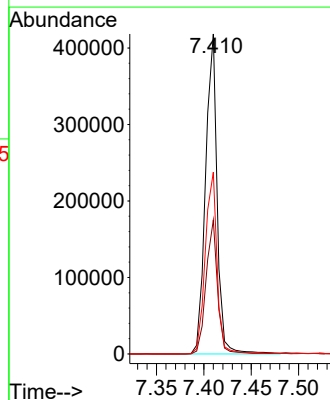
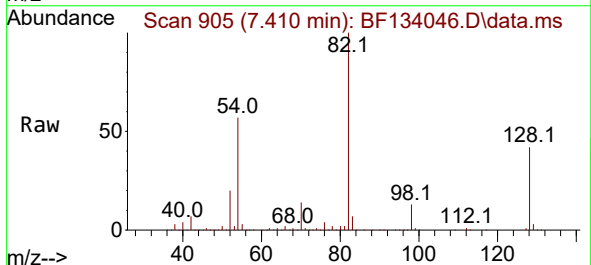
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.3	6.5	9.7
68	5.2	4.2	6.2

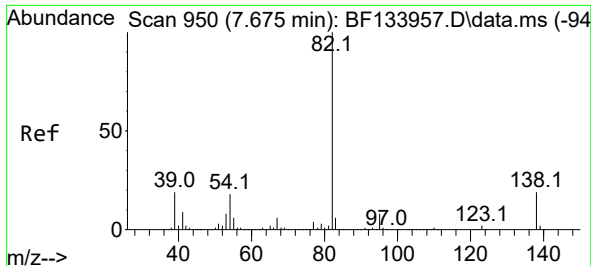


#23
Nitrobenzene-d5
Concen: 62.628 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion: 82 Resp: 355282

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.5	48.7
54	56.8	48.2	72.2

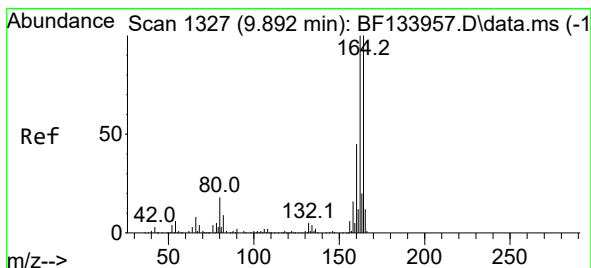
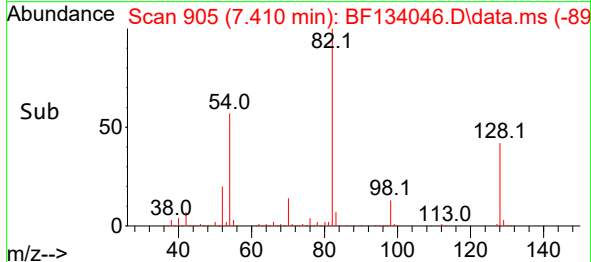
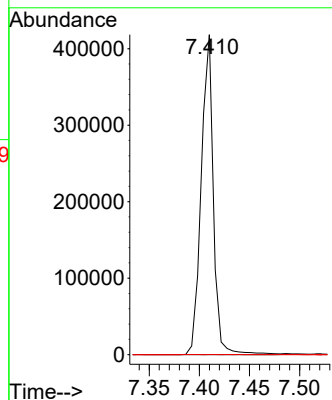
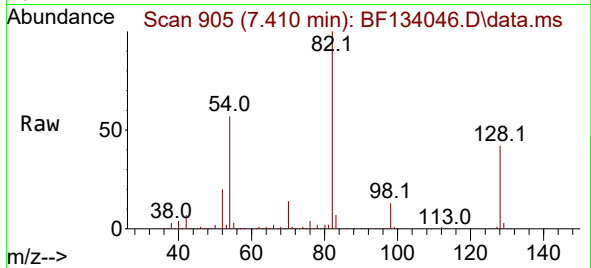




#25
Isophorone
Concen: 34.459 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

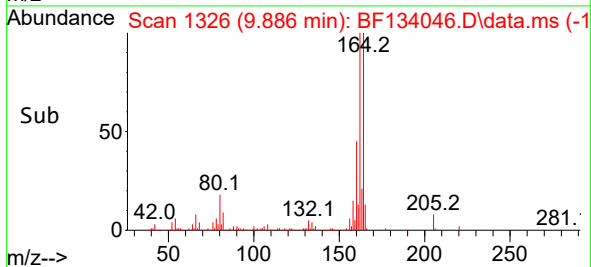
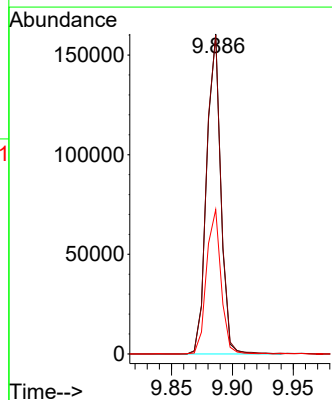
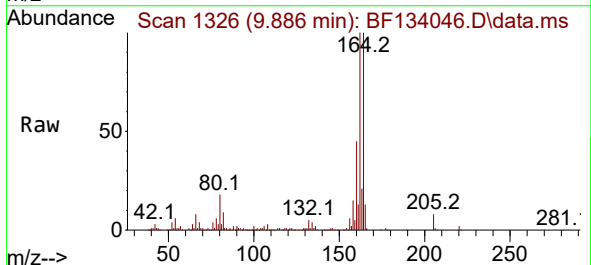
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

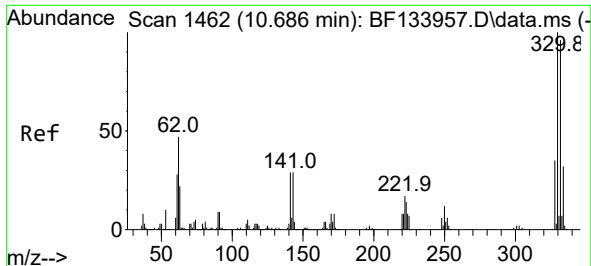
Tgt Ion: 82 Resp: 355275
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:164 Resp: 129152
Ion Ratio Lower Upper
164 100
162 99.6 80.0 120.0
160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 80.439 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF134046.D

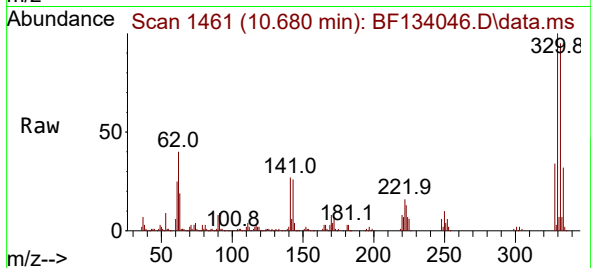
Acq: 29 Jun 2023 20:18

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37RE



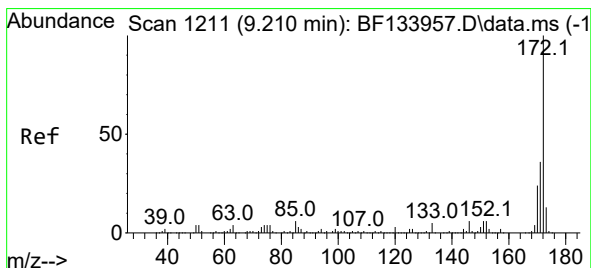
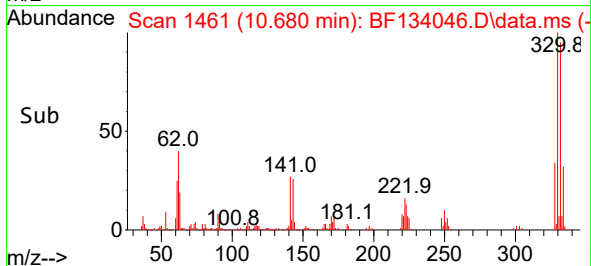
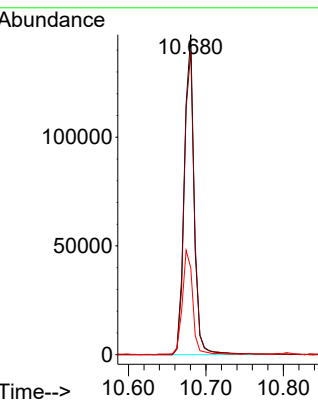
Tgt Ion:330 Resp: 130255

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

141 34.8 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 67.914 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

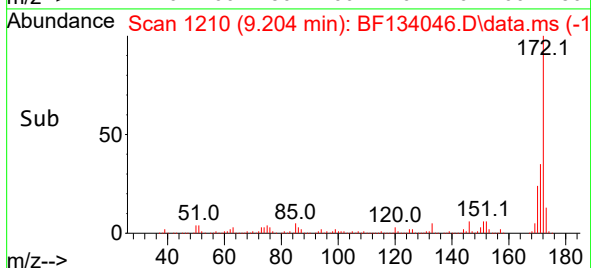
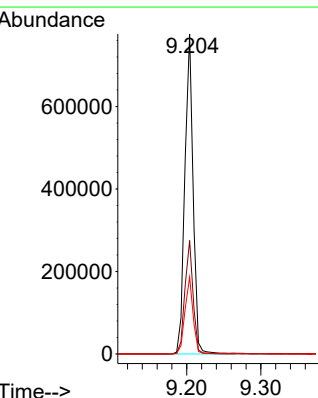
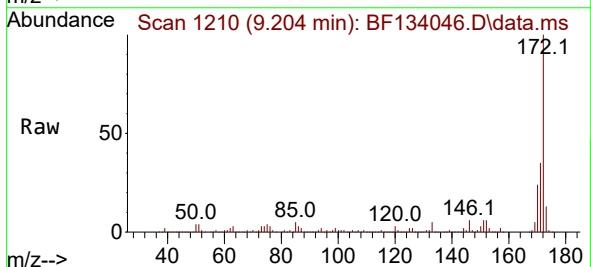
Tgt Ion:172 Resp: 603295

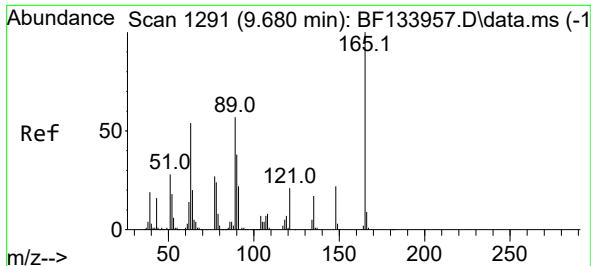
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 24.0 19.4 29.0

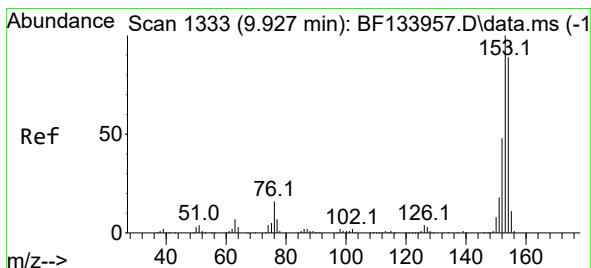
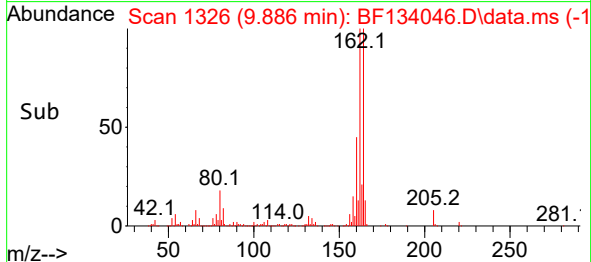
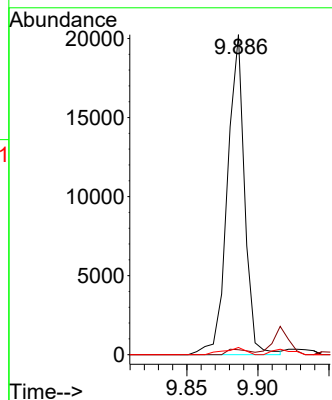
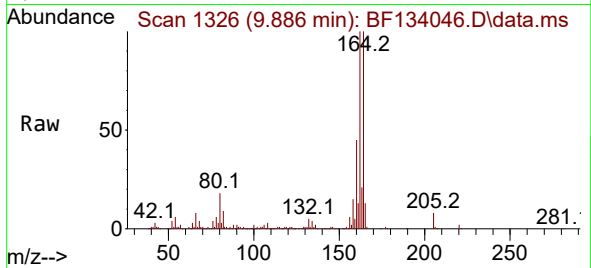




#51
2,6-Dinitrotoluene
Concen: 8.432 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

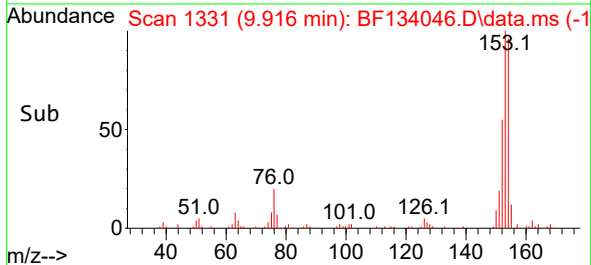
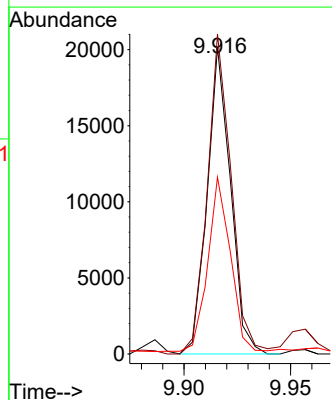
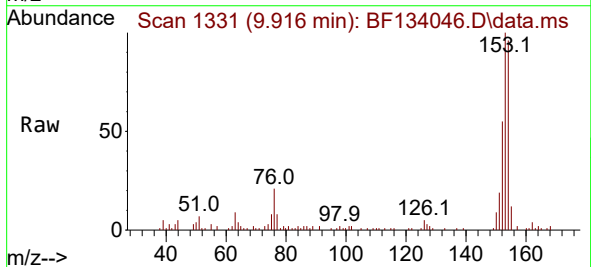
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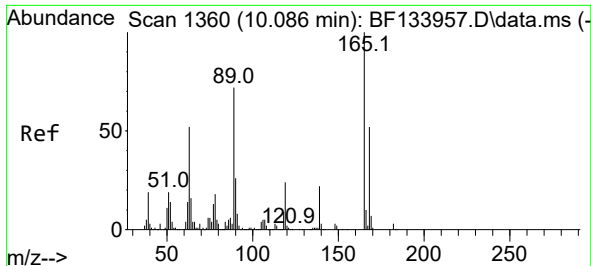
Tgt Ion:165 Resp: 17026
Ion Ratio Lower Upper
165 100
63 1.6 48.5 72.7#
89 2.2 45.5 68.3#



#52
Acenaphthene
Concen: 2.039 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.011 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

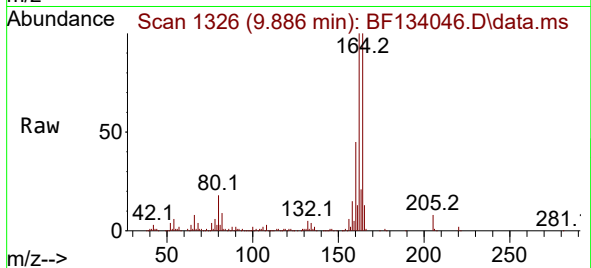
Tgt Ion:154 Resp: 15319
Ion Ratio Lower Upper
154 100
153 104.2 89.4 134.2
152 57.6 42.8 64.2



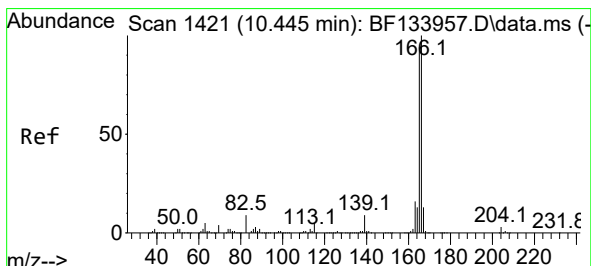
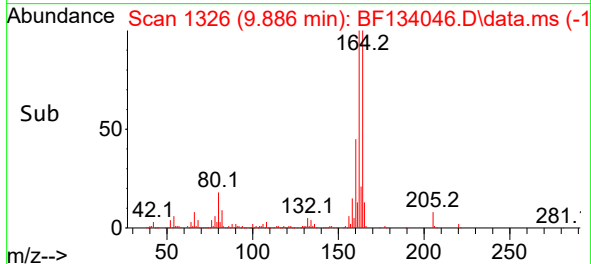
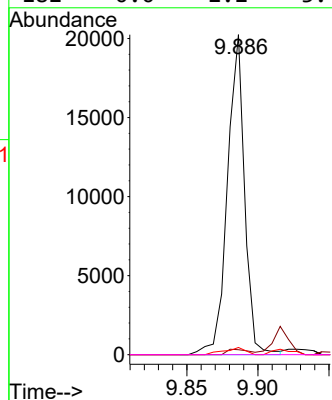


#57
2,4-Dinitrotoluene
Concen: 6.385 ng
RT: 9.886 min Scan# 1419
Delta R.T. -0.200 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

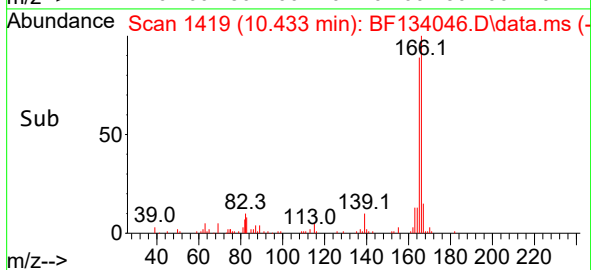
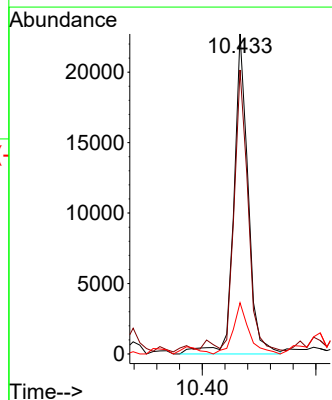
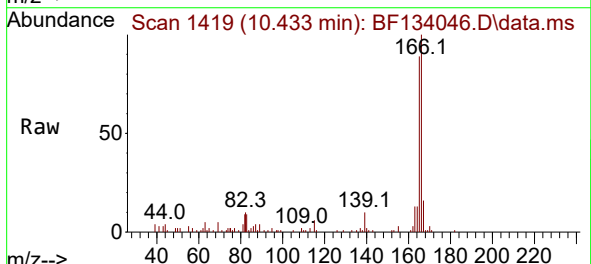


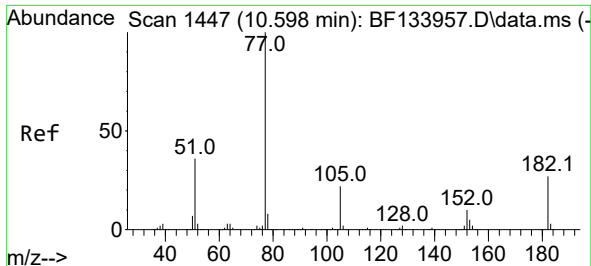
Tgt Ion:165 Resp: 17026
Ion Ratio Lower Upper
165 100
63 1.6 42.2 63.2#
89 2.2 57.4 86.2#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 2.167 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:166 Resp: 19795
Ion Ratio Lower Upper
166 100
165 88.7 75.0 112.4
167 16.0 10.6 15.8#

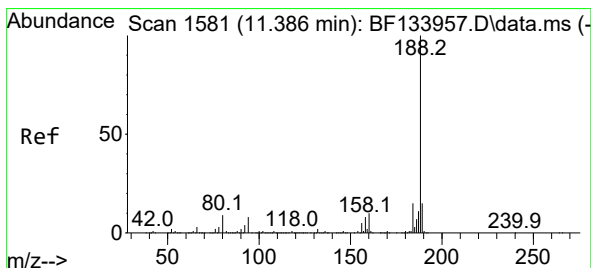
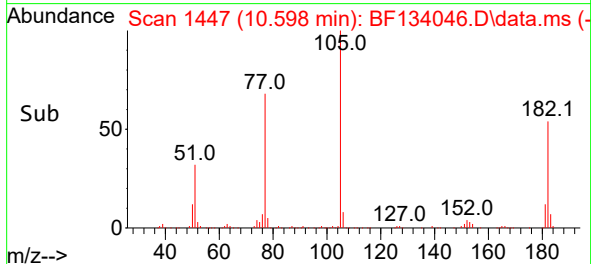
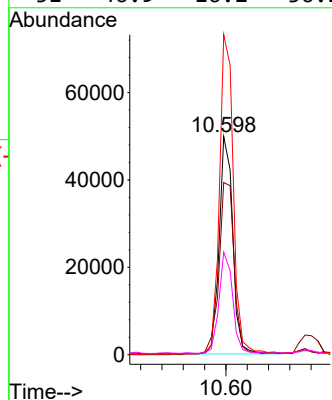
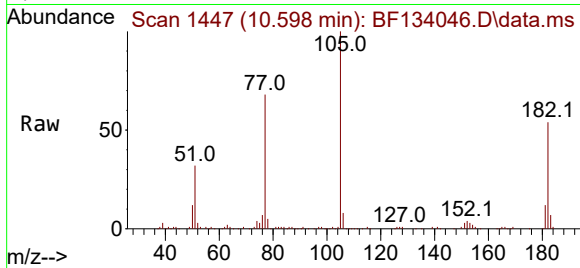




#63
Azobenzene
Concen: 4.760 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

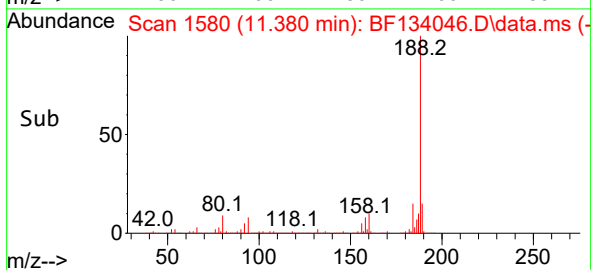
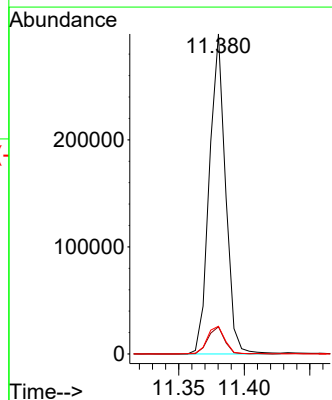
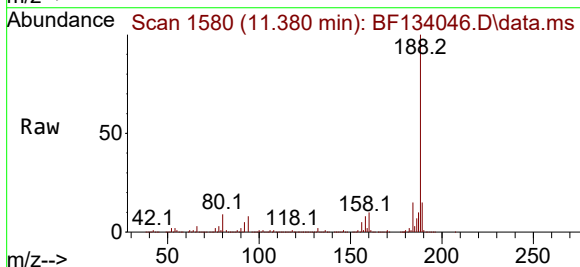
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

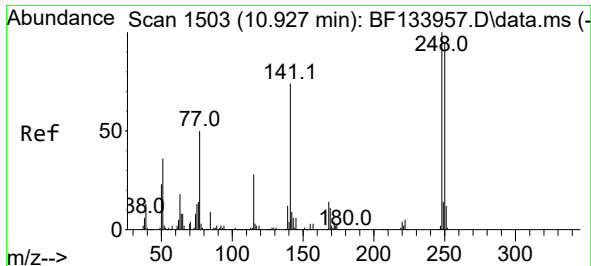
Tgt Ion: 77	Resp: 43981
Ion Ratio	Lower Upper
77 100	
182 78.9	6.8 46.8#
105 146.7	2.3 42.3#
51 46.9	16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion: 188	Resp: 256463
Ion Ratio	Lower Upper
188 100	
94 8.5	6.4 9.6
80 8.7	7.3 10.9

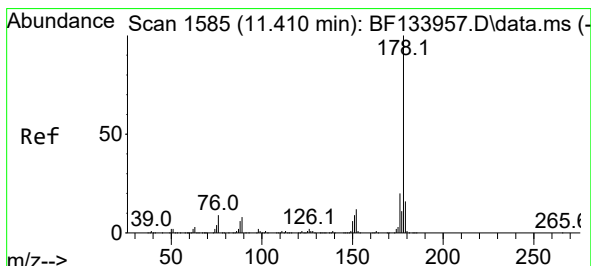
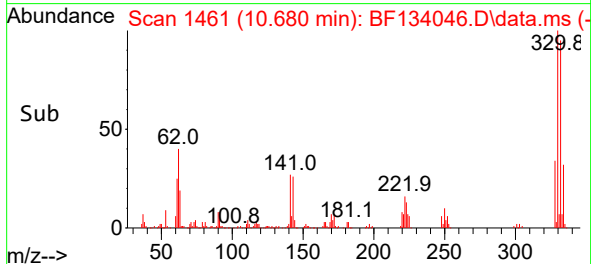
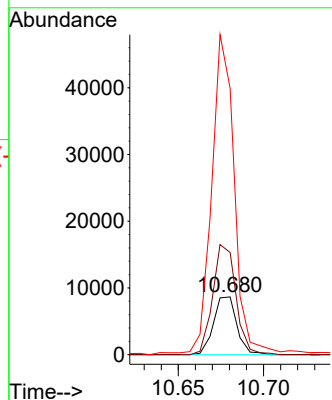
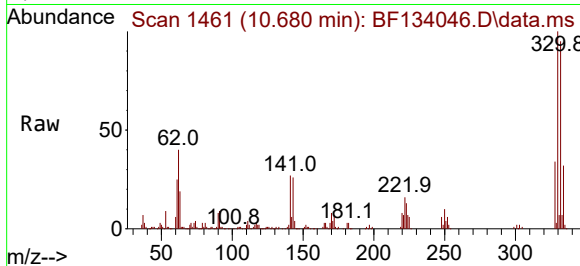




#67
4-Bromophenyl-phenylether
Concen: 3.020 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

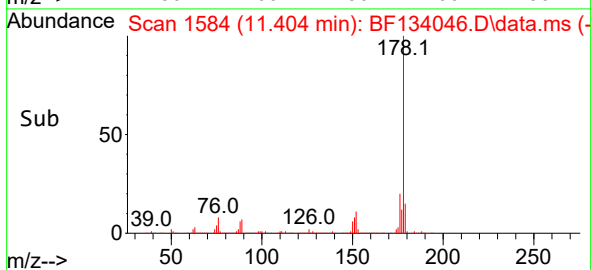
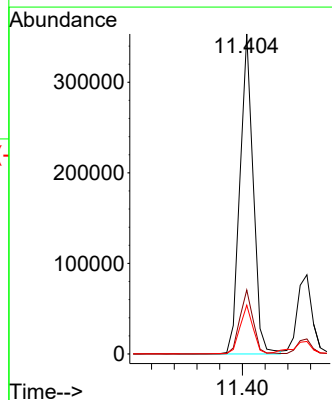
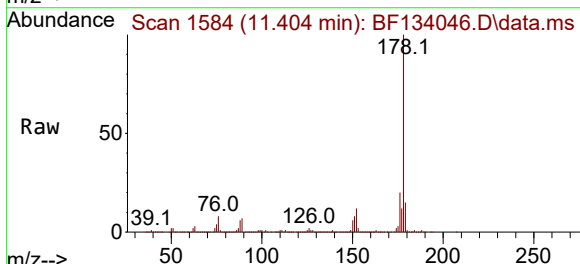
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

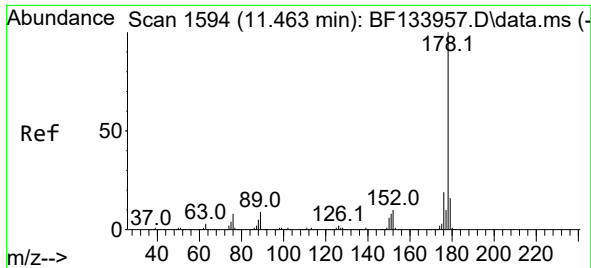
Tgt Ion:248 Resp: 8231
Ion Ratio Lower Upper
248 100
250 176.7 76.2 114.4#
141 460.8 59.0 88.4#



#71
Phenanthrene
Concen: 22.117 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:178 Resp: 285549
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.2 12.4 18.6

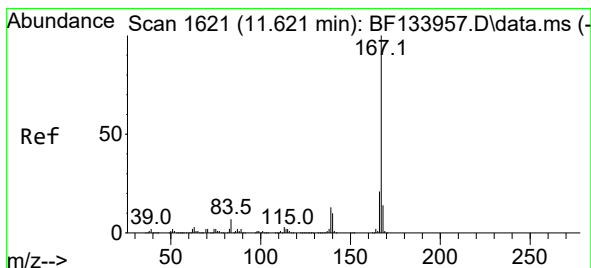
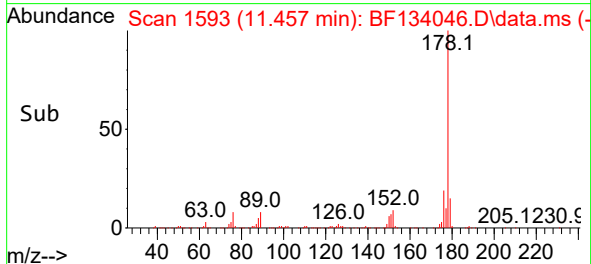
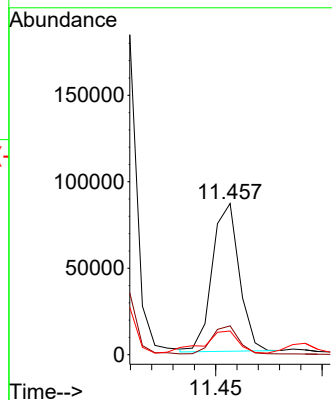
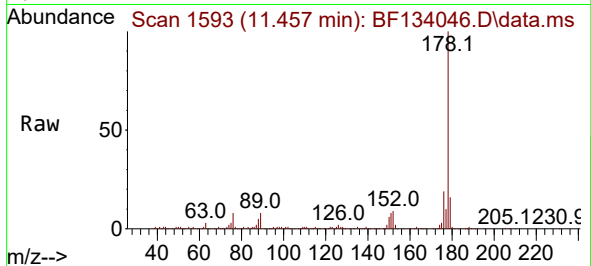




#72
 Anthracene
 Concen: 5.616 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134046.D
 Acq: 29 Jun 2023 20:18

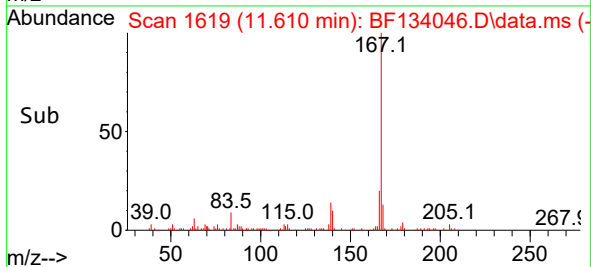
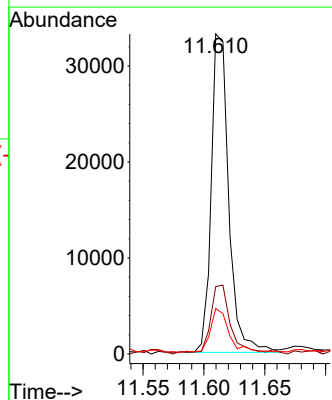
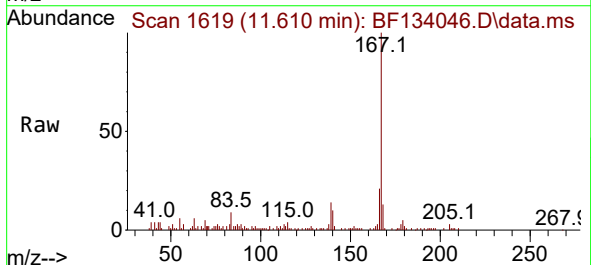
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-32-37RE

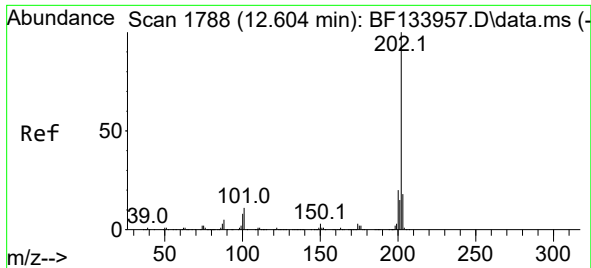
Tgt Ion:178 Resp: 75416
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.7 12.4 18.6



#73
 Carbazole
 Concen: 2.708 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.012 min
 Lab File: BF134046.D
 Acq: 29 Jun 2023 20:18

Tgt Ion:167 Resp: 33282
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.6
 139 14.2 10.4 15.6

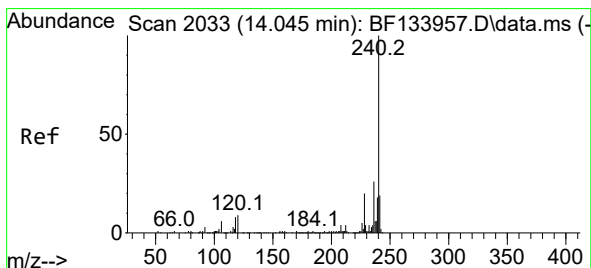
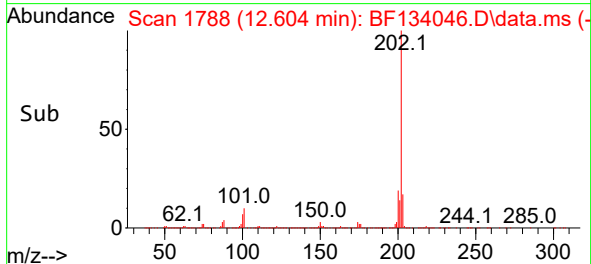
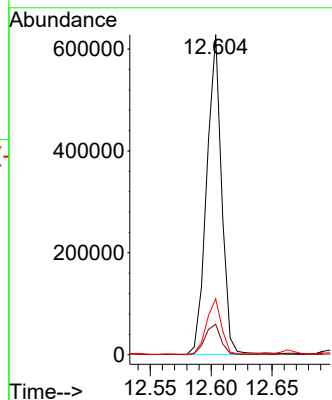
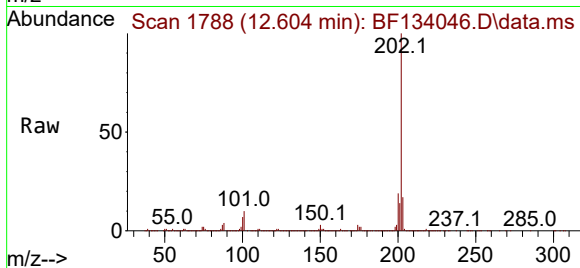




#75
Fluoranthene
Concen: 38.230 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

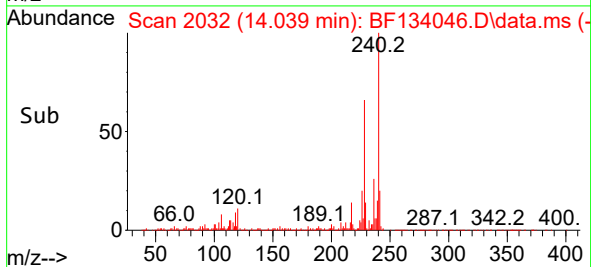
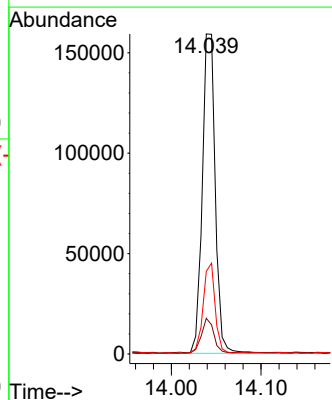
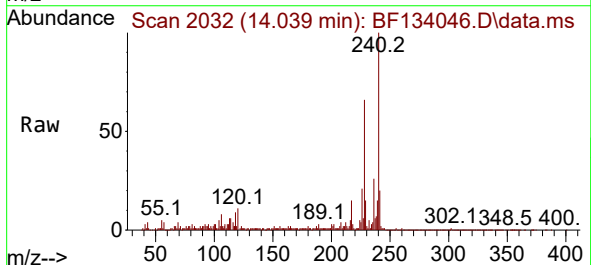
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

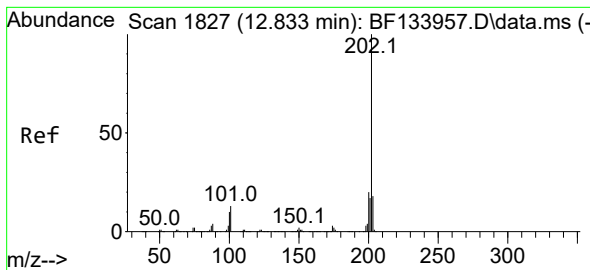
Tgt Ion:202 Resp: 533609
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:240 Resp: 160024
Ion Ratio Lower Upper
240 100
120 11.1 7.4 11.0#
236 25.8 21.0 31.6





#78

Pyrene

Concen: 31.907 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37RE

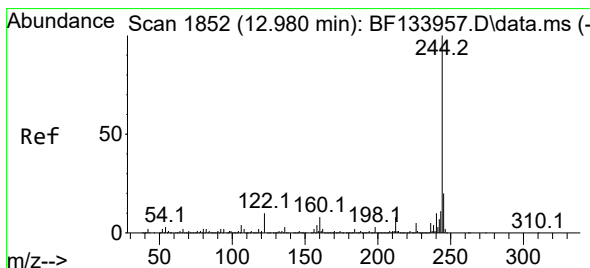
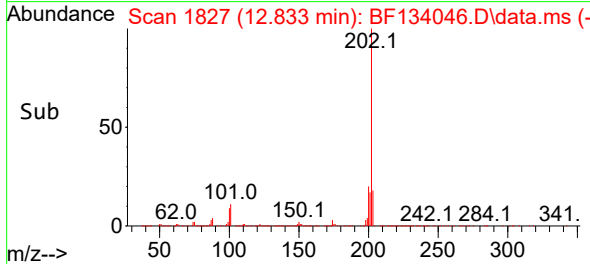
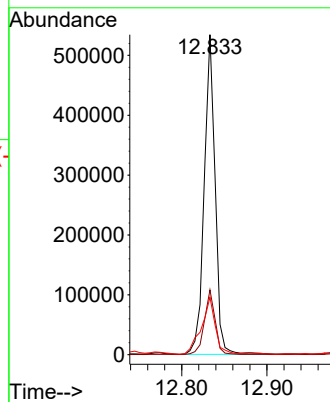
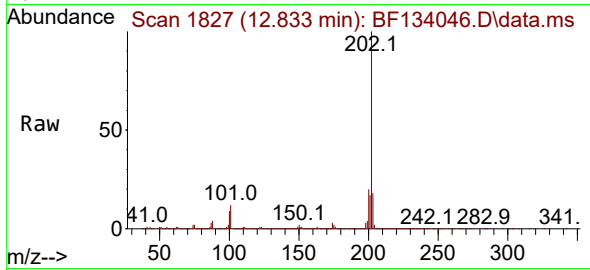
Tgt Ion:202 Resp: 475178

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 17.9 14.3 21.5



#79

Terphenyl-d14

Concen: 68.895 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

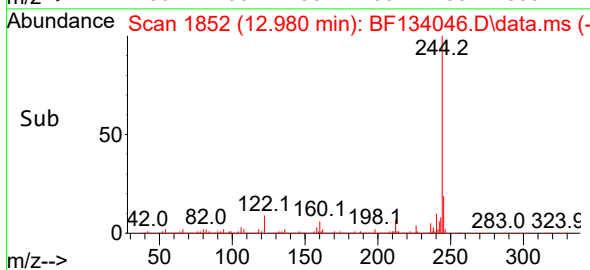
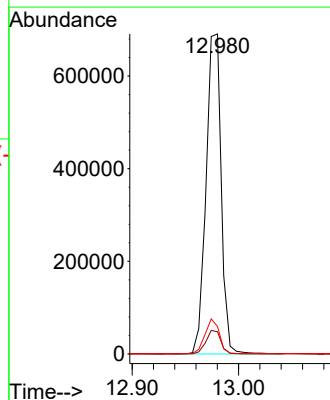
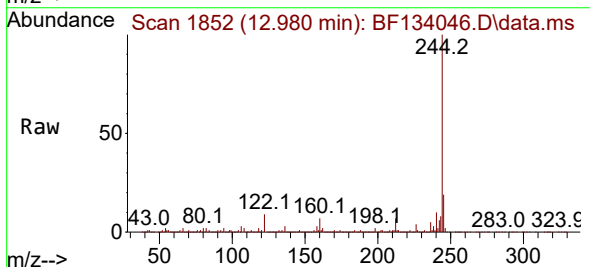
Tgt Ion:244 Resp: 685022

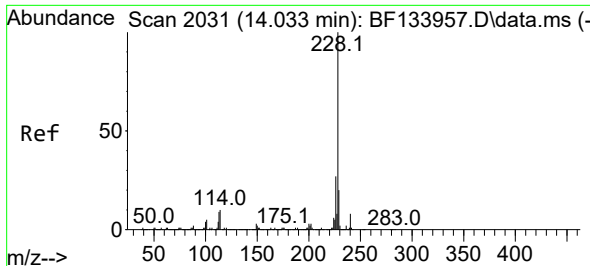
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.6 8.3 12.5

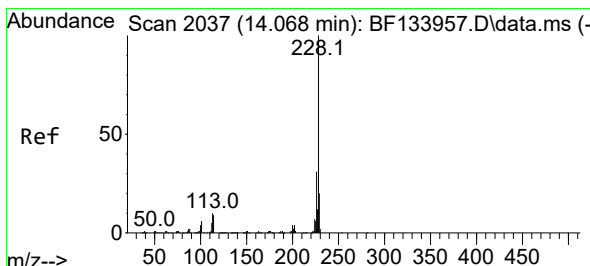
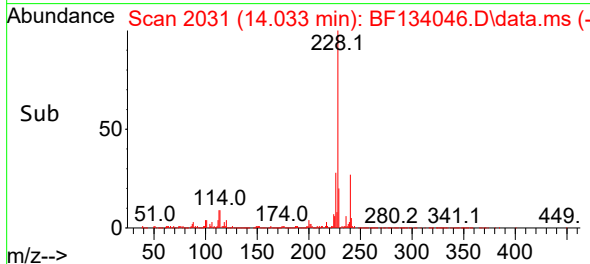
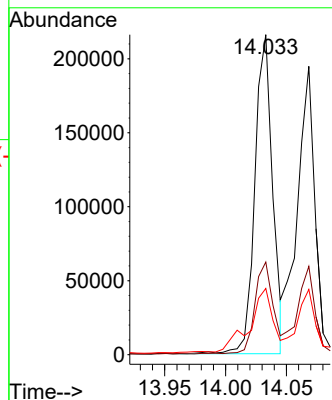
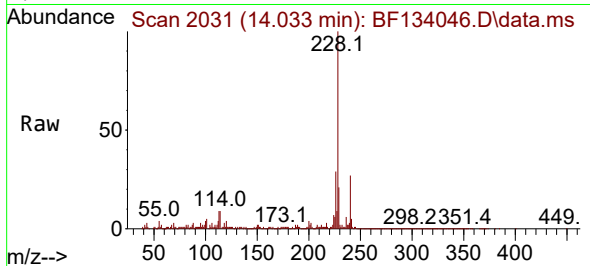




#81
Benzo(a)anthracene
Concen: 19.677 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

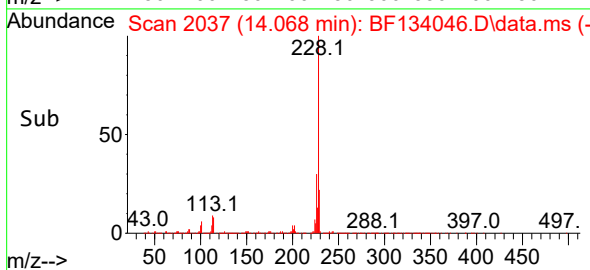
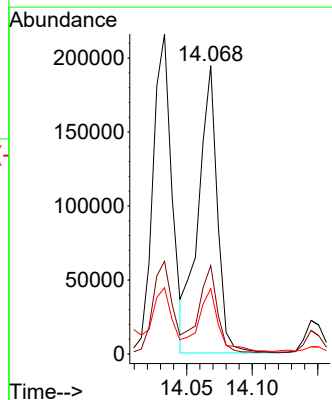
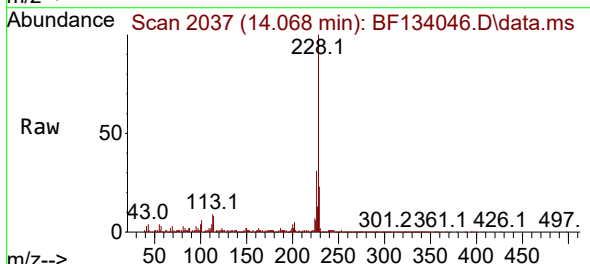
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

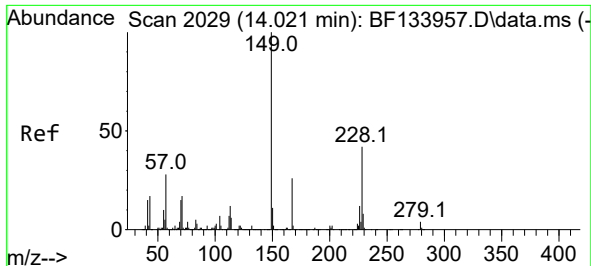
Tgt Ion:228 Resp: 218374
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 20.7 16.3 24.5



#83
Chrysene
Concen: 18.404 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:228 Resp: 197826
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.6 16.1 24.1

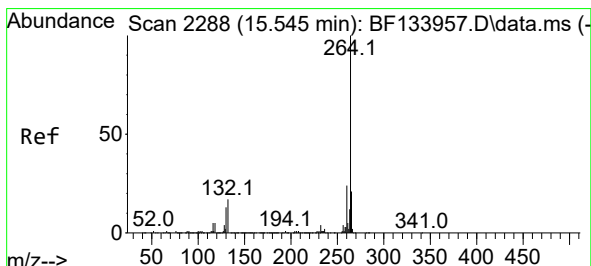
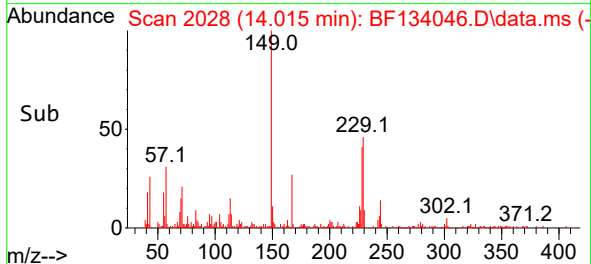
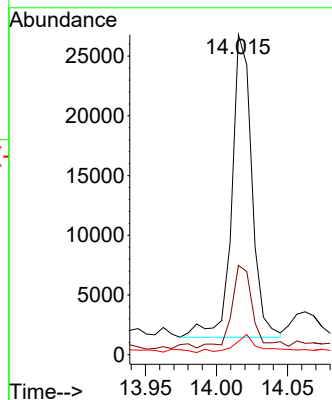
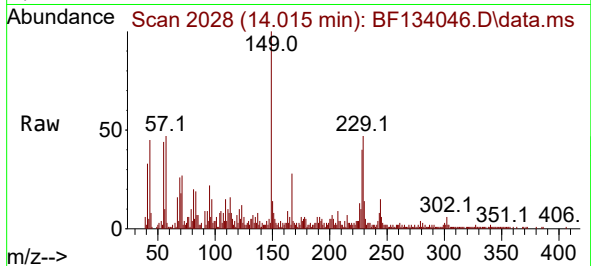




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.891 ng
RT: 14.015 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

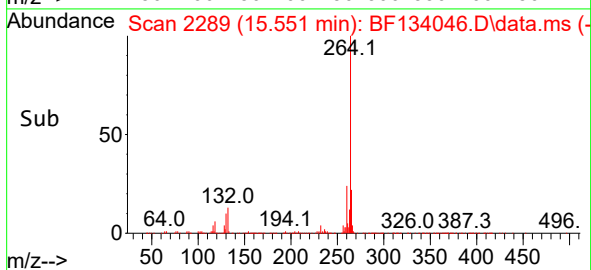
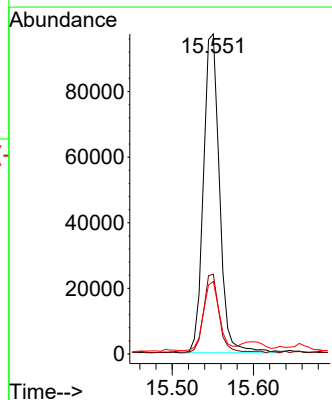
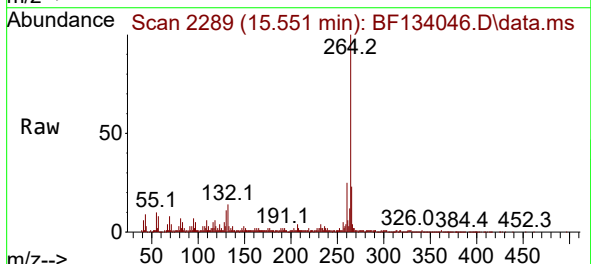
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

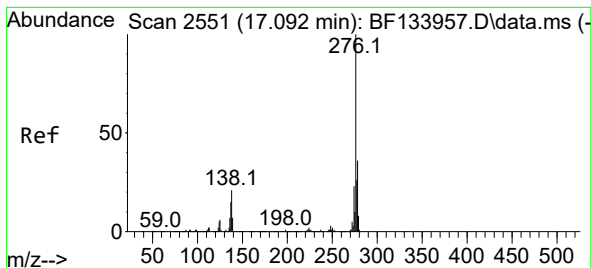
Tgt Ion:149 Resp: 24970
Ion Ratio Lower Upper
149 100
167 27.9 21.0 31.4
279 4.1 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:264 Resp: 134146
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 22.6 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.518 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37RE

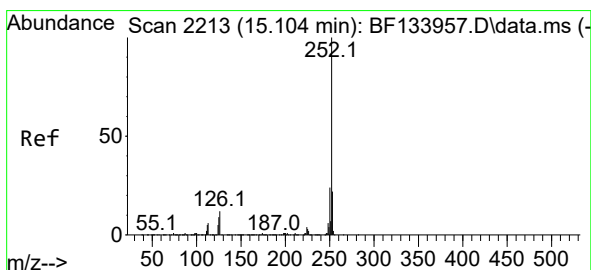
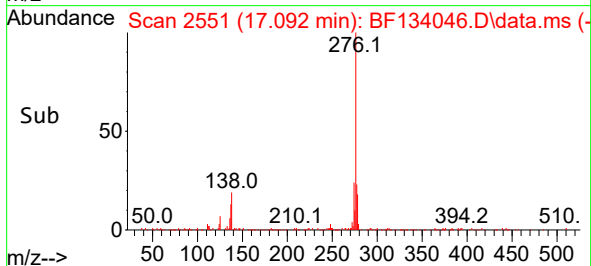
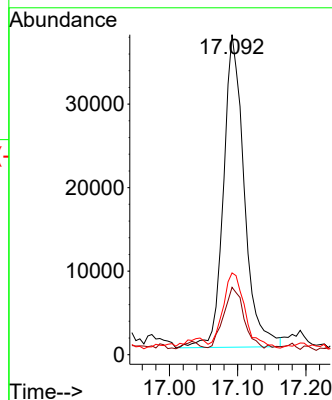
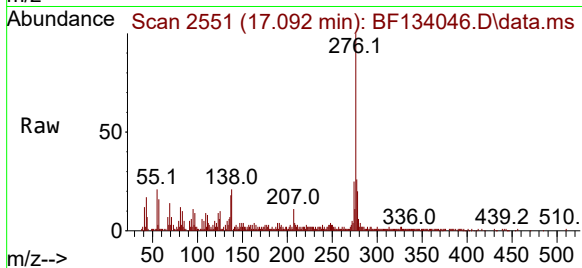
Tgt Ion:276 Resp: 79285

Ion Ratio Lower Upper

276 100

138 18.8 18.7 28.1

277 25.3 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 35.602 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

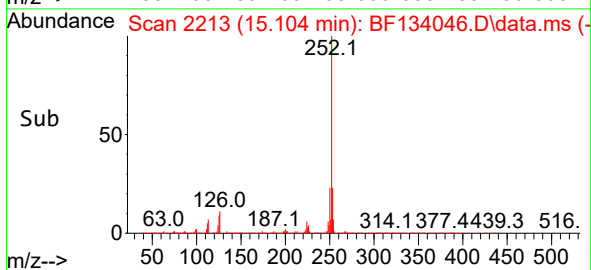
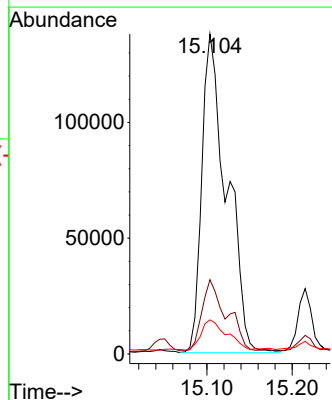
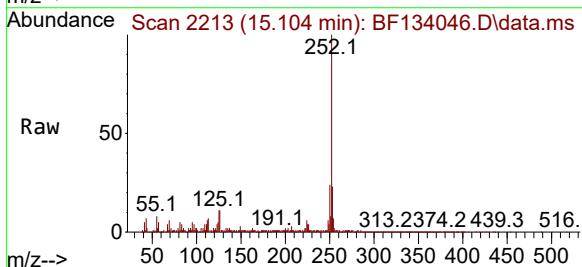
Tgt Ion:252 Resp: 280823

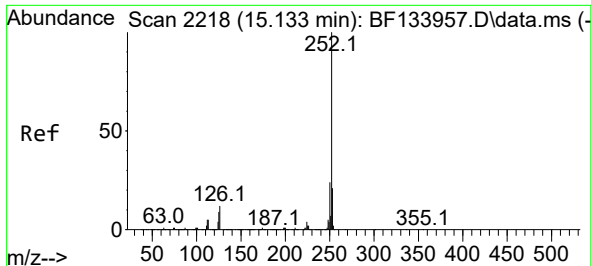
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 10.6 7.1 10.7

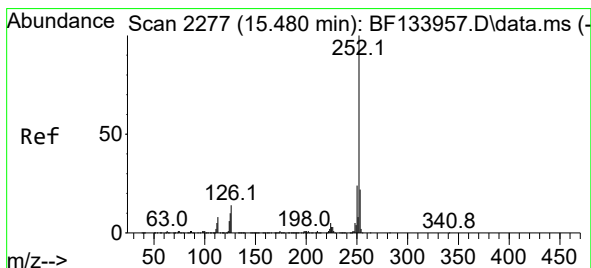
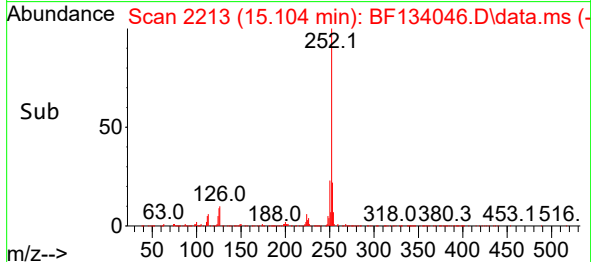
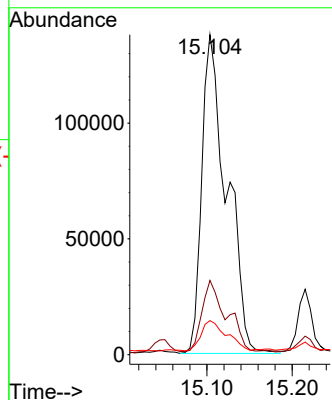
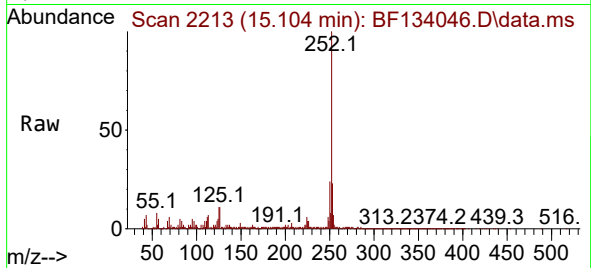




#89
Benzo(k)fluoranthene
Concen: 34.967 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

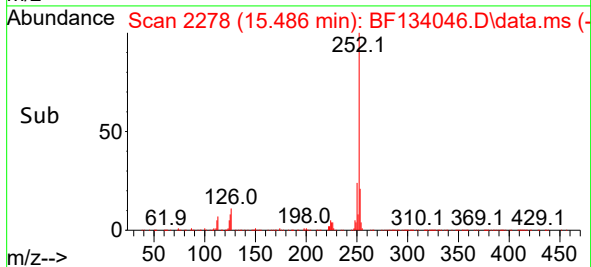
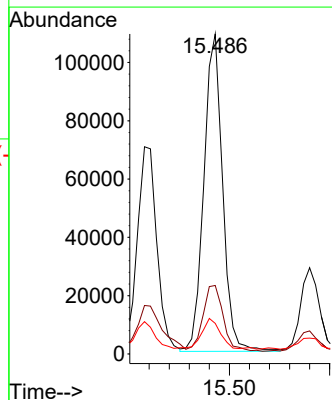
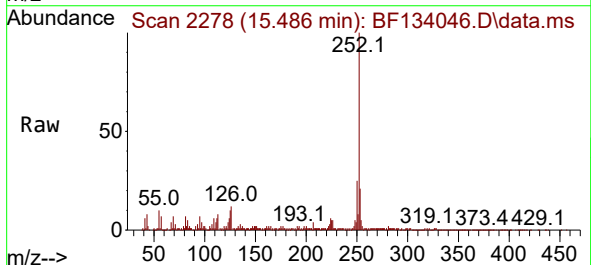
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37RE

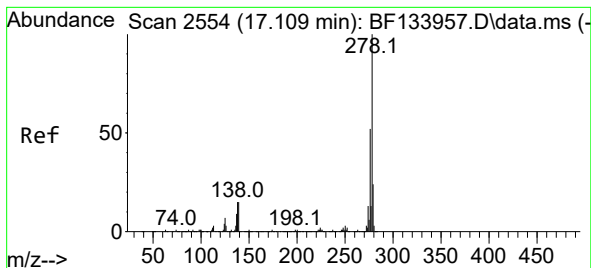
Tgt Ion:252 Resp: 280823
Ion Ratio Lower Upper
252 100
253 23.2 16.9 25.3
125 10.6 7.4 11.2



#90
Benzo(a)pyrene
Concen: 18.552 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF134046.D
Acq: 29 Jun 2023 20:18

Tgt Ion:252 Resp: 141503
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 9.6 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.618 ng

RT: 17.103 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37RE

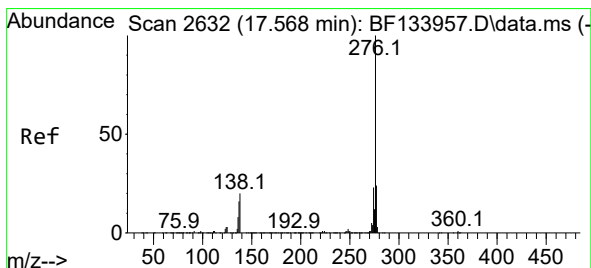
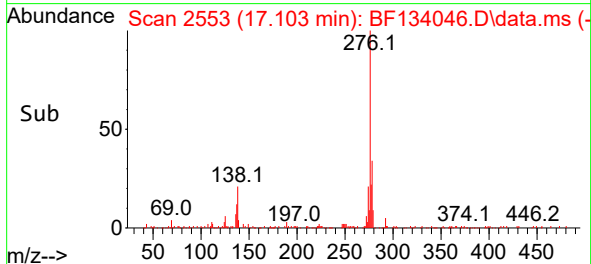
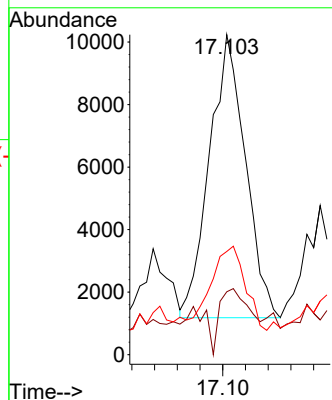
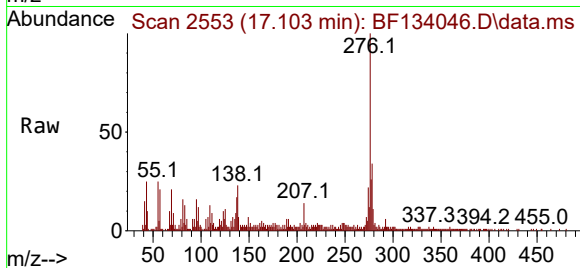
Tgt Ion:278 Resp: 19907

Ion Ratio Lower Upper

278 100

139 19.7 12.2 18.4#

279 32.3 19.4 29.2#



#92

Benzo(g,h,i)perylene

Concen: 9.628 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134046.D

Acq: 29 Jun 2023 20:18

Tgt Ion:276 Resp: 75491

Ion Ratio Lower Upper

276 100

277 25.9 19.0 28.6

138 20.0 16.2 24.2

