

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133924.D
 Acq On : 23 Jun 2023 03:38
 Operator : CG\JU
 Sample :
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-0-8

Quant Time: Jun 23 05:07:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 02:21:26 2023
 Response via : Initial Calibration

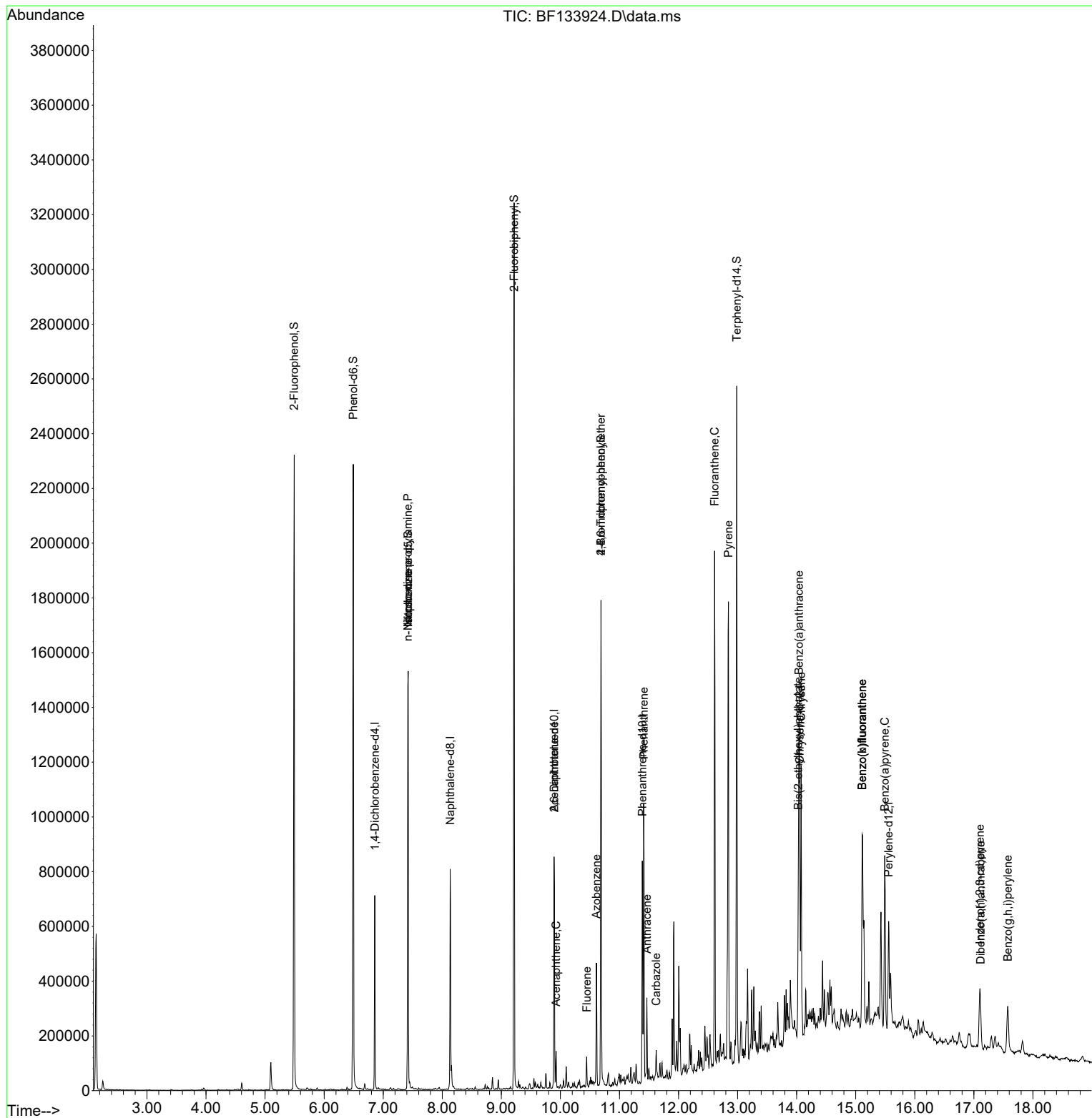
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	91346	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	344597	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	164295	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	288741	20.000	ng	0.00
76) Chrysene-d12	14.051	240	189611	20.000	ng	0.00
86) Perylene-d12	15.557	264	191762	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	594520	113.305	ng	0.00
7) Phenol-d6	6.493	99	704277	103.117	ng	0.00
23) Nitrobenzene-d5	7.422	82	482716	76.298	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	204553	98.358	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	908339	78.591	ng	0.00
79) Terphenyl-d14	12.986	244	814744	66.488	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.416	70	67495	15.532	ng	# 78
25) Isophorone	7.422	82	482713	41.559	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	20864	8.243	ng	# 28
52) Acenaphthene	9.928	154	25403	2.623	ng	96
58) Fluorene	10.445	166	29434	2.605	ng	95
63) Azobenzene	10.610	77	70930	6.003	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	12399	3.847	ng	# 1
71) Phenanthrene	11.410	178	365120	24.924	ng	100
72) Anthracene	11.463	178	104185	6.821	ng	97
73) Carbazole	11.622	167	39119	2.750	ng	97
75) Fluoranthene	12.610	202	719358	46.242	ng	98
78) Pyrene	12.845	202	768167	43.490	ng	99
81) Benzo(a)anthracene	14.039	228	412030	31.416	ng	97
83) Chrysene	14.074	228	346166	27.906	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	106425	11.591	ng	98
87) Indeno(1,2,3-cd)pyrene	17.104	276	164550	12.473	ng	95
88) Benzo(b)fluoranthene	15.110	252	574914	49.354	ng	97
89) Benzo(k)fluoranthene	15.110	252	574914	50.666	ng	97
90) Benzo(a)pyrene	15.492	252	317345	29.354	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	43016	3.938	ng	92
92) Benzo(g,h,i)perylene	17.574	276	155096	14.322	ng	98

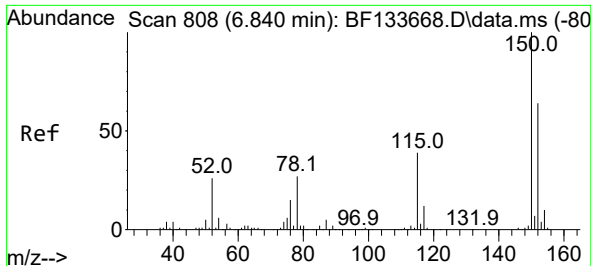
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133924.D
Acq On : 23 Jun 2023 03:38
Operator : CG\JU
Sample :
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

Quant Time: Jun 23 05:07:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 02:21:26 2023
Response via : Initial Calibration

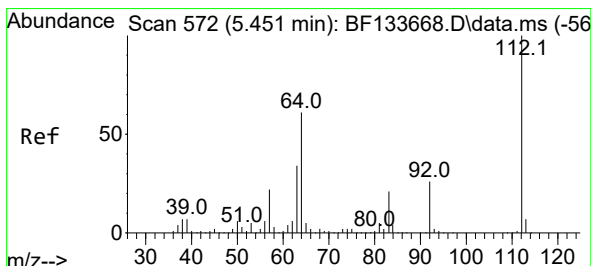
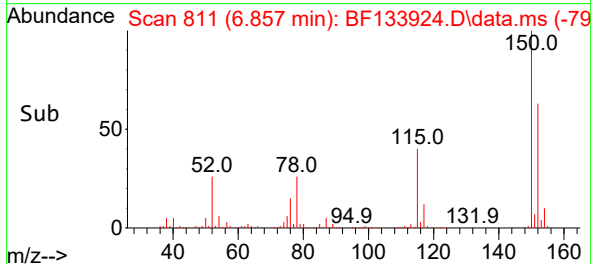
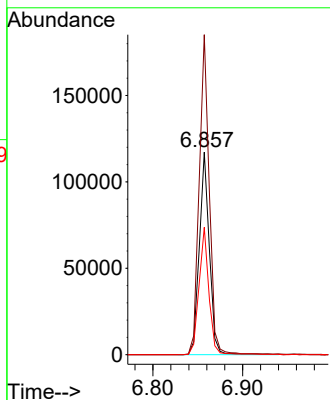
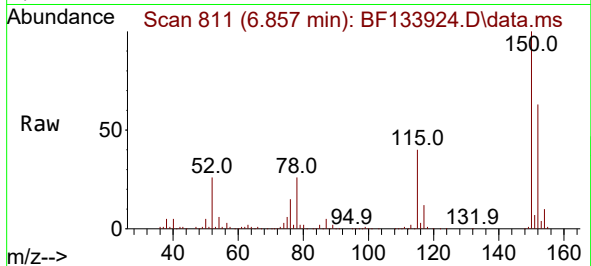




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

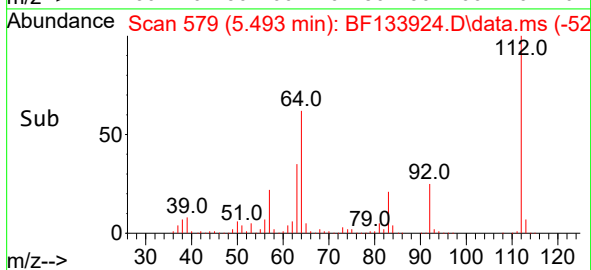
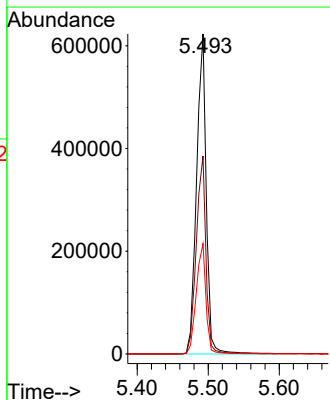
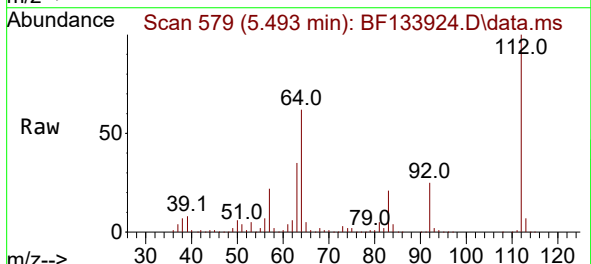
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

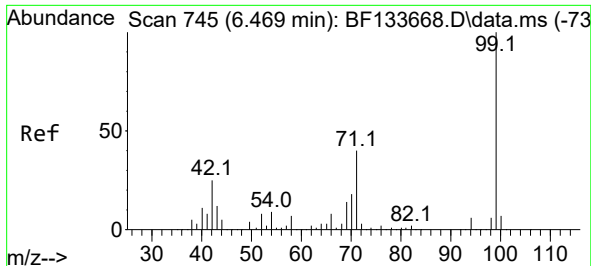
Tgt Ion:152 Resp: 91346
Ion Ratio Lower Upper
152 100
150 158.0 124.3 186.5
115 62.9 48.5 72.7



#5
2-Fluorophenol
Concen: 113.305 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:112 Resp: 594520
Ion Ratio Lower Upper
112 100
64 61.9 49.0 73.4
63 34.5 26.8 40.2

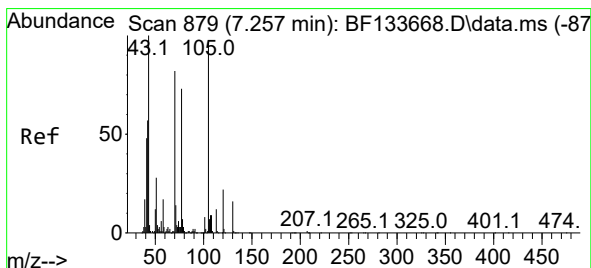
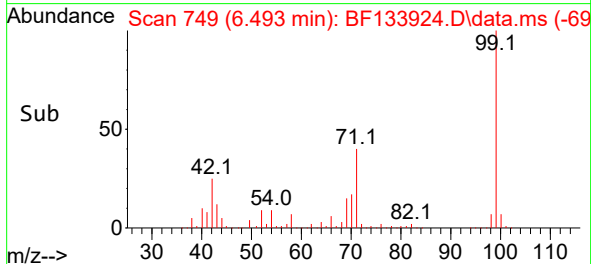
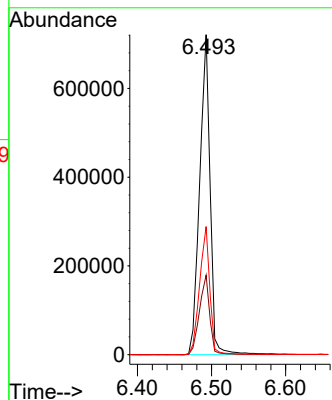
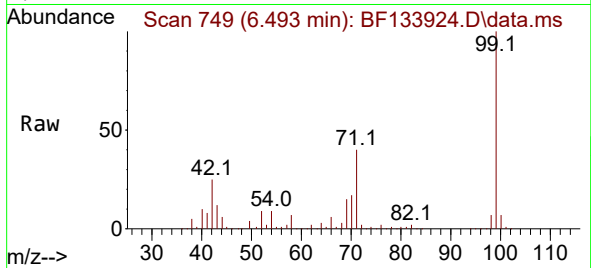




#7
Phenol-d6
Concen: 103.117 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

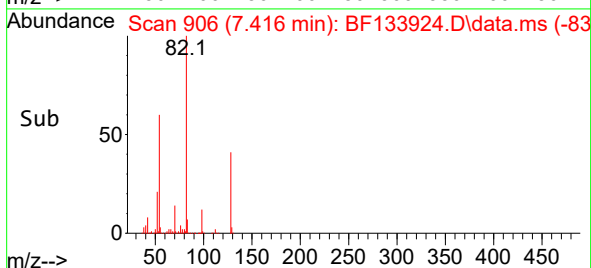
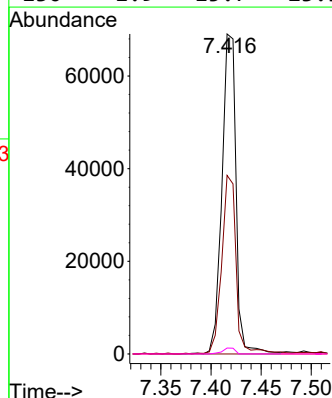
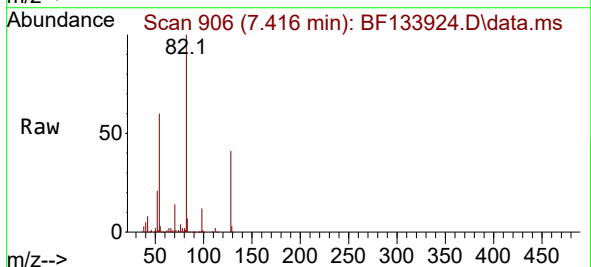
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

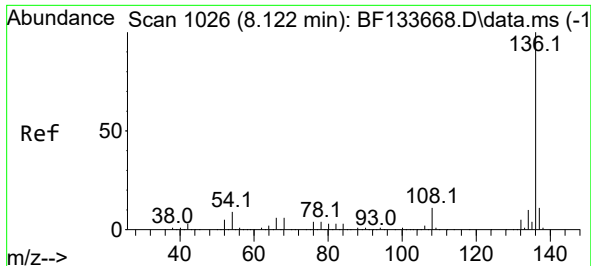
Tgt Ion: 99 Resp: 704277
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 40.1 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.532 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion: 70 Resp: 67495
Ion Ratio Lower Upper
70 100
42 55.8 55.8 83.8#
101 0.0 8.1 12.1#
130 1.9 15.7 23.5#

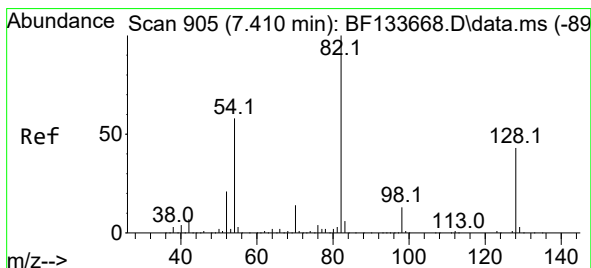
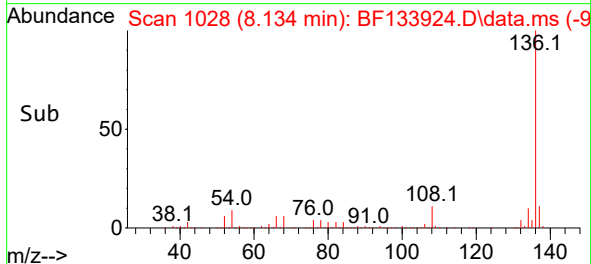
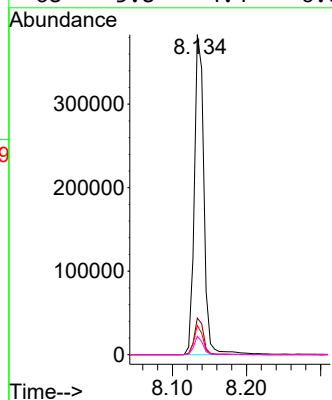
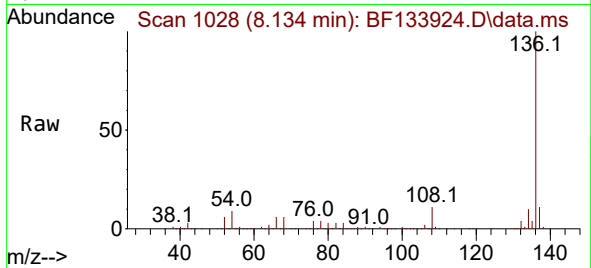




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

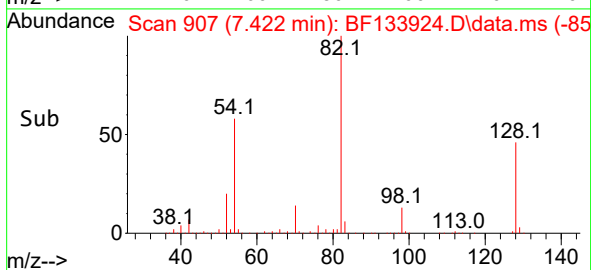
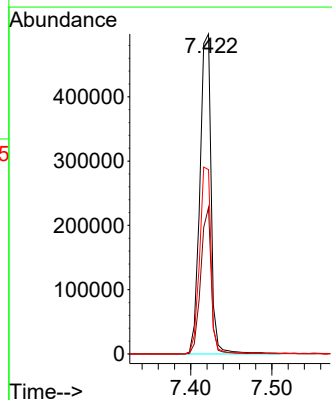
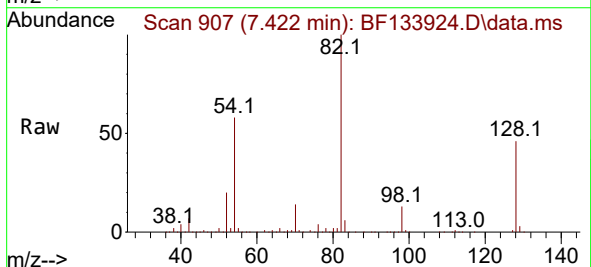
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

Tgt Ion:136 Resp: 344597
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 9.2 7.4 11.0
68 5.8 4.4 6.6



#23
Nitrobenzene-d5
Concen: 76.298 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion: 82 Resp: 482716
Ion Ratio Lower Upper
82 100
128 45.8 34.2 51.2
54 57.6 46.5 69.7

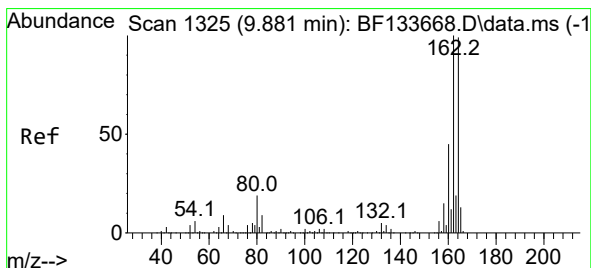
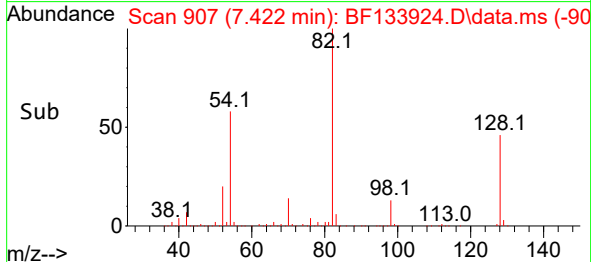
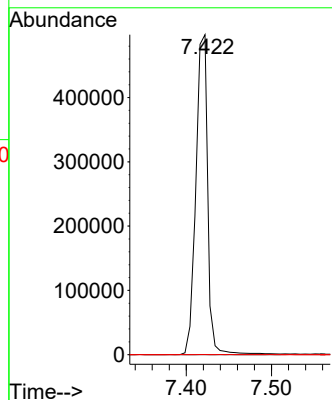
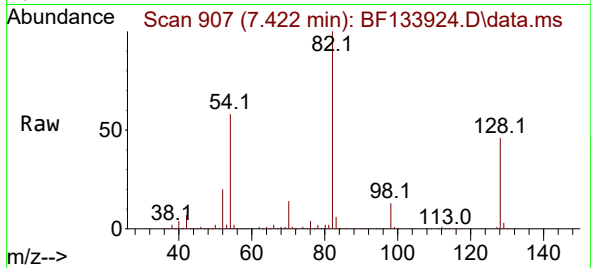




#25
Isophorone
Concen: 41.559 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

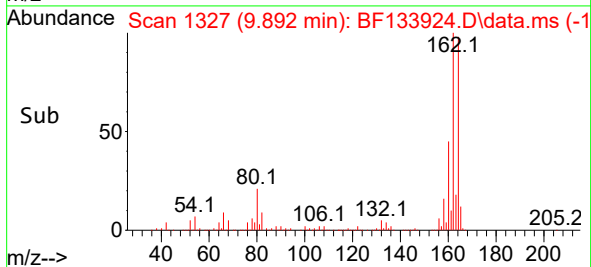
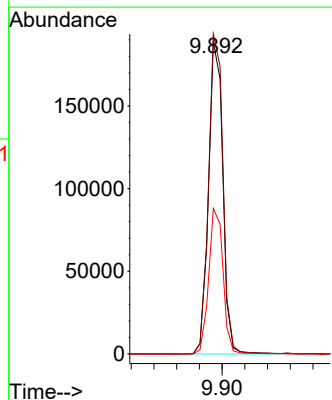
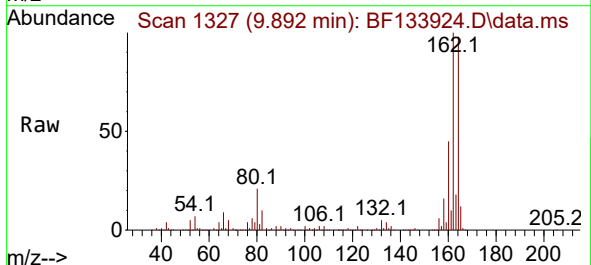
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

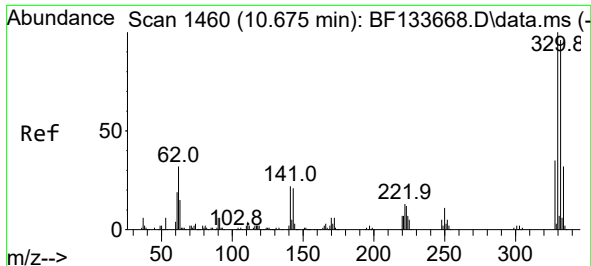
Tgt Ion: 82 Resp: 482713
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:164 Resp: 164295
Ion Ratio Lower Upper
164 100
162 102.4 80.8 121.2
160 46.6 36.7 55.1

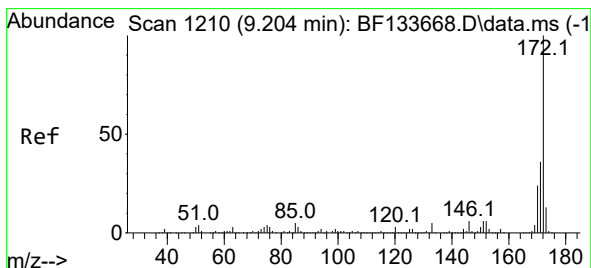
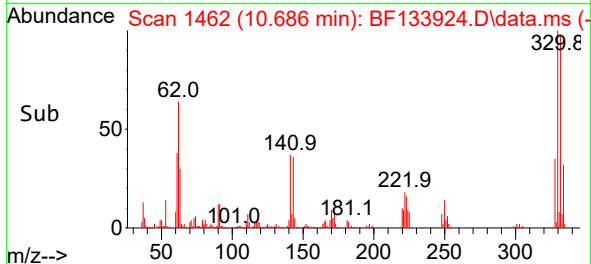
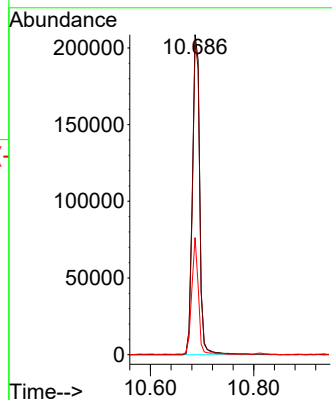
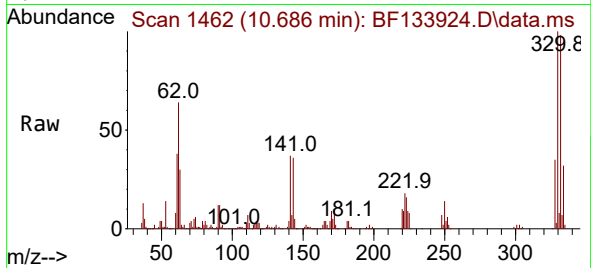




#42
2,4,6-Tribromophenol
Concen: 98.358 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

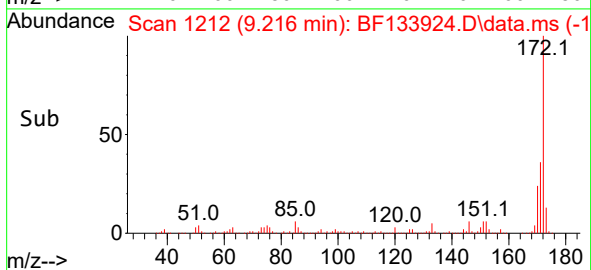
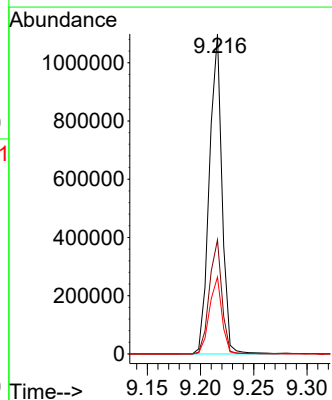
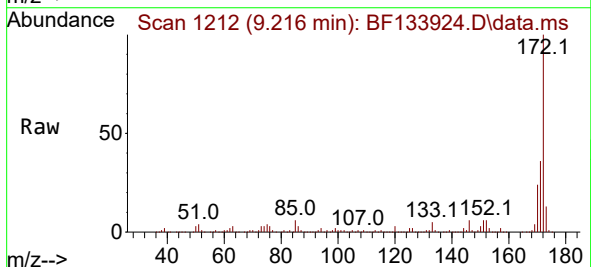
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

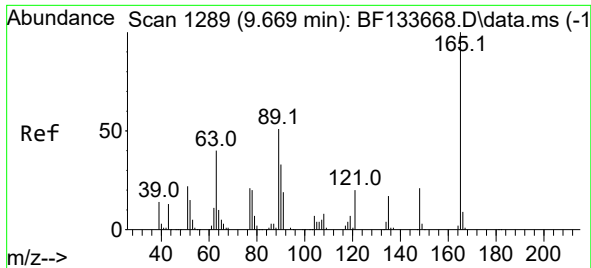
Tgt Ion:330 Resp: 204553
Ion Ratio Lower Upper
330 100
332 96.9 77.2 115.8
141 32.9 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 78.591 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:172 Resp: 908339
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.1 19.1 28.7

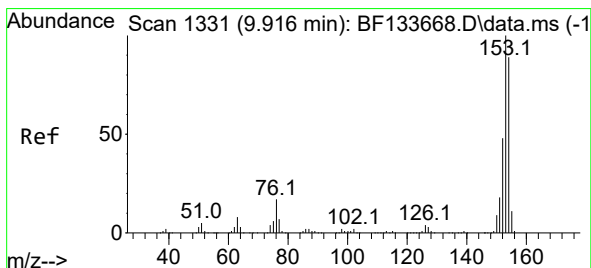
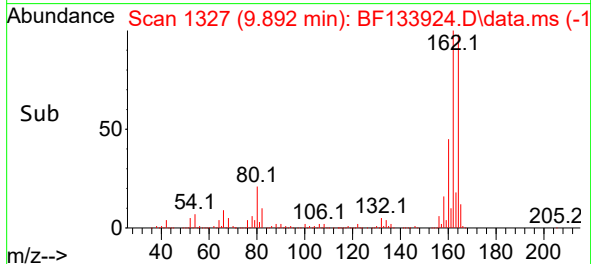
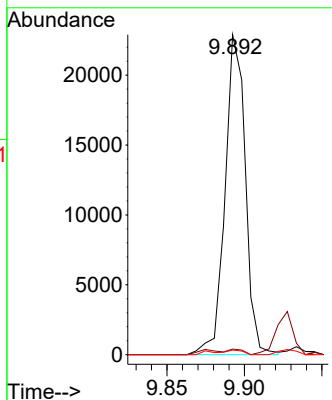
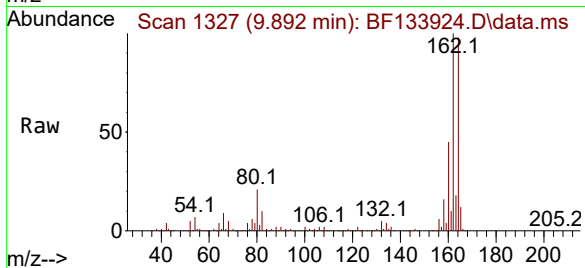




#51
2,6-Dinitrotoluene
Concen: 8.243 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

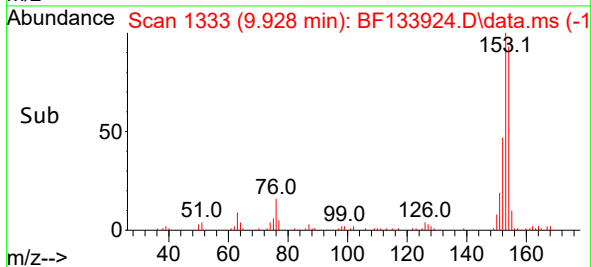
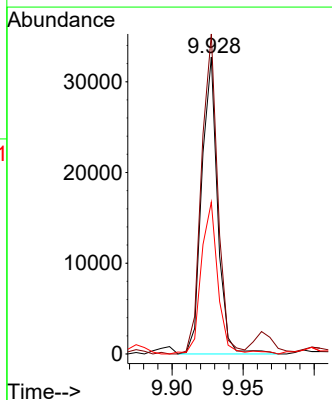
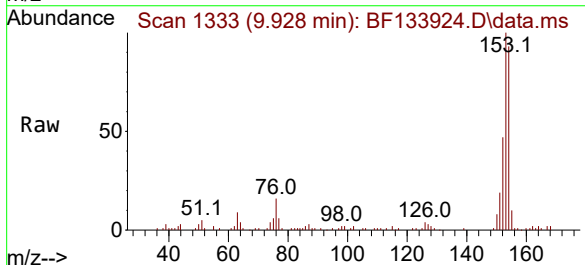
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

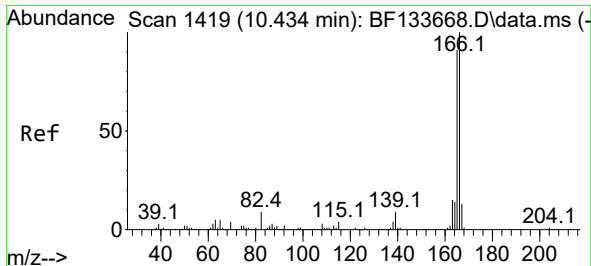
Tgt Ion:165 Resp: 20864
Ion Ratio Lower Upper
165 100
63 1.8 42.1 63.1#
89 1.5 40.9 61.3#



#52
Acenaphthene
Concen: 2.623 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:154 Resp: 25403
Ion Ratio Lower Upper
154 100
153 107.7 89.8 134.8
152 51.1 43.4 65.2

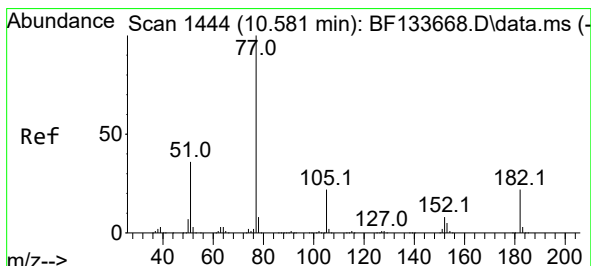
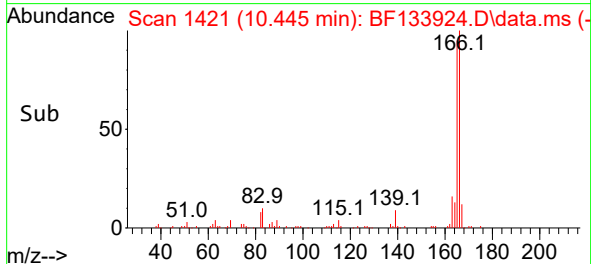
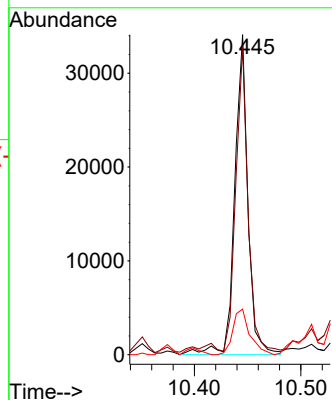
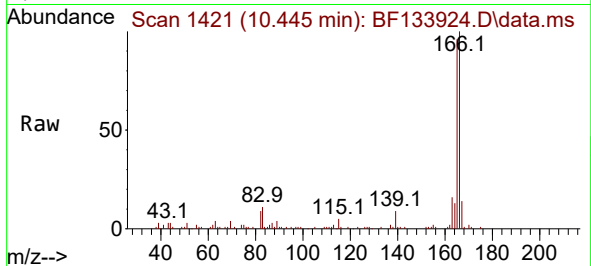




#58
Fluorene
Concen: 2.605 ng
RT: 10.445 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

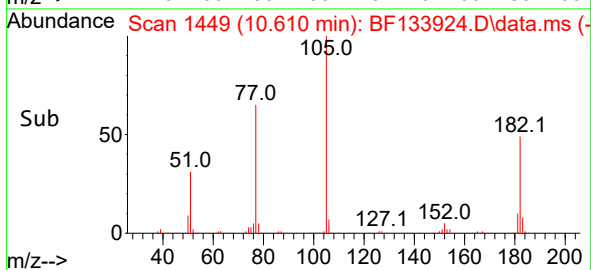
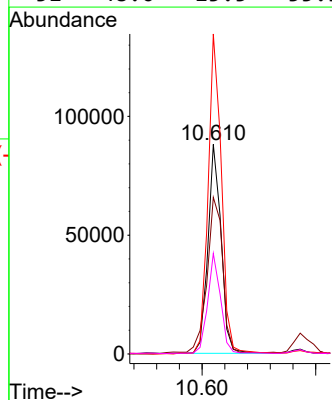
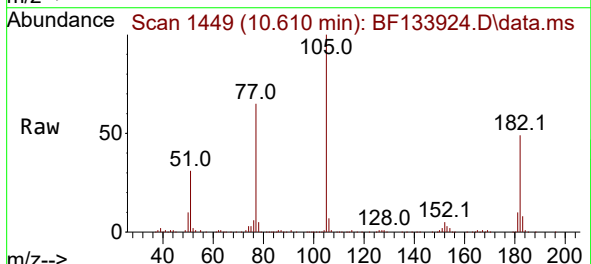
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

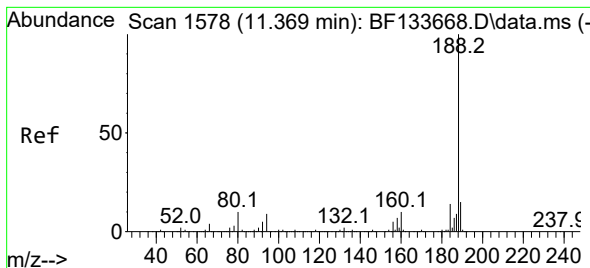
Tgt Ion:166 Resp: 29434
Ion Ratio Lower Upper
166 100
165 96.3 73.1 109.7
167 14.3 10.5 15.7



#63
Azobenzene
Concen: 6.003 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion: 77 Resp: 70930
Ion Ratio Lower Upper
77 100
182 74.8 1.6 41.6#
105 152.7 1.6 41.6#
51 48.0 15.5 55.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8

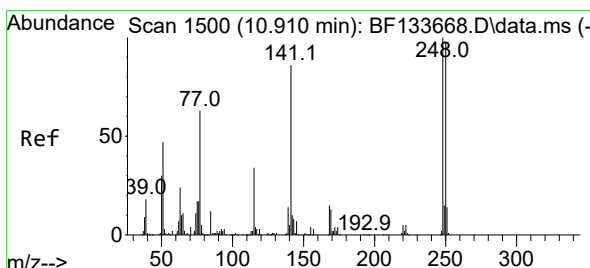
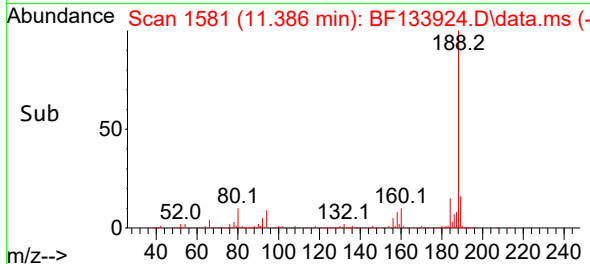
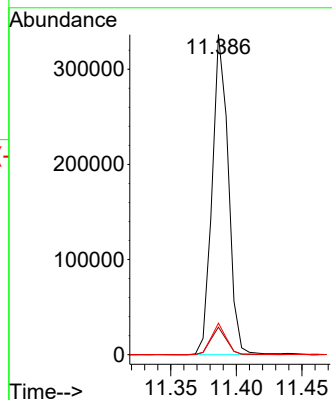
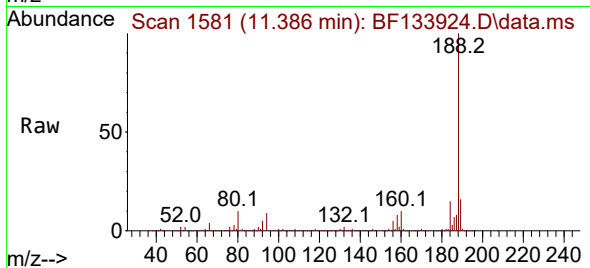
Tgt Ion:188 Resp: 288741

Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

80 9.9 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 3.847 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.253 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

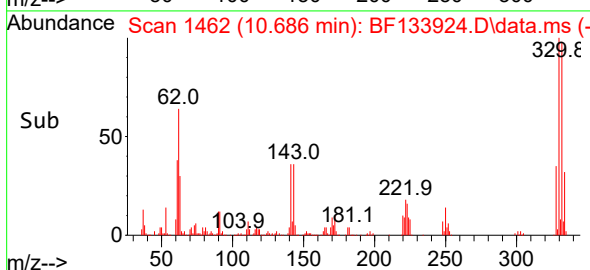
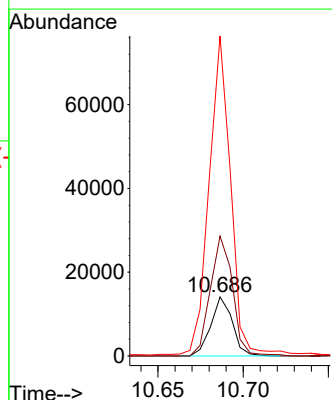
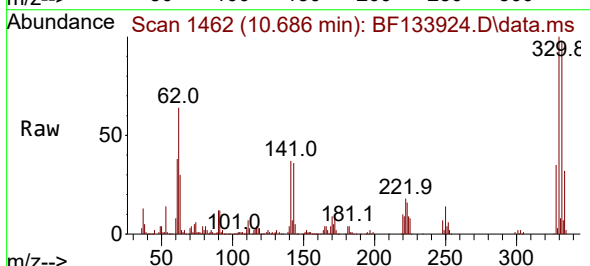
Tgt Ion:248 Resp: 12399

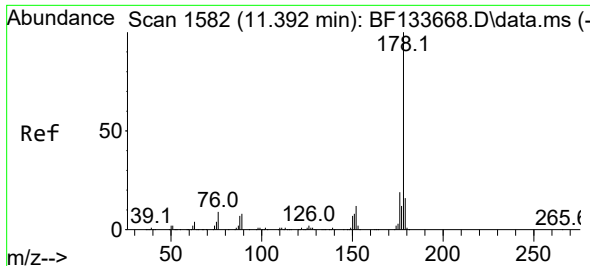
Ion Ratio Lower Upper

248 100

250 202.9 78.3 117.5#

141 541.8 69.0 103.6#

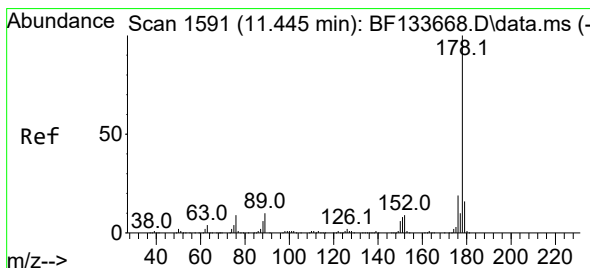
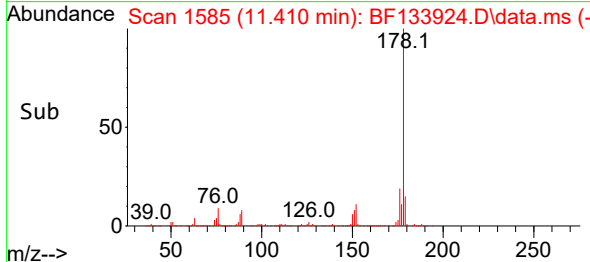
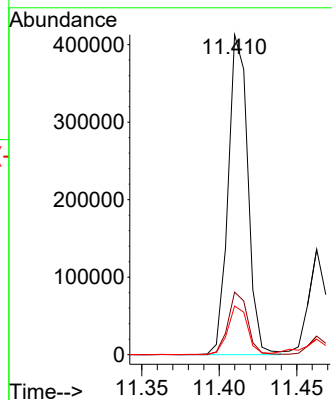
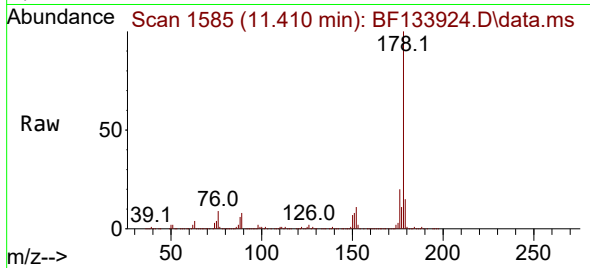




#71
Phenanthrene
Concen: 24.924 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

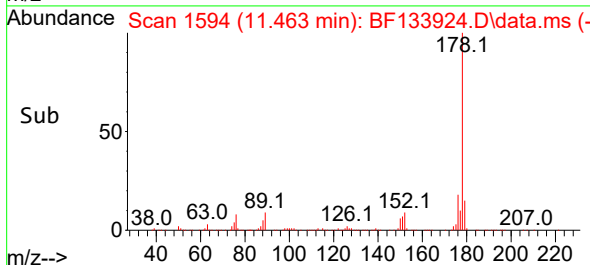
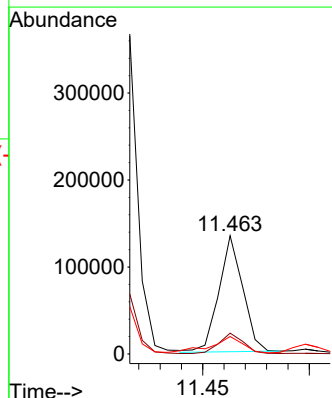
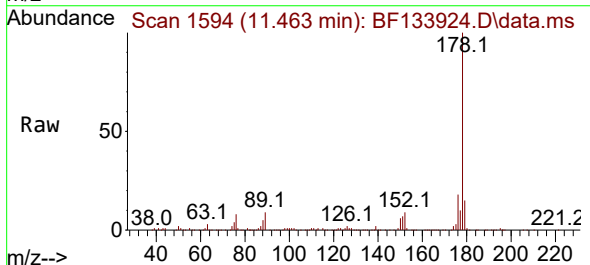
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

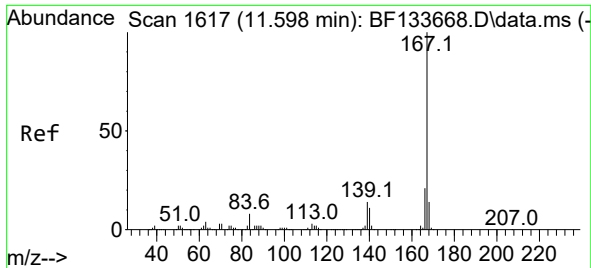
Tgt Ion:178 Resp: 365120
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.2 12.4 18.6



#72
Anthracene
Concen: 6.821 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:178 Resp: 104185
Ion Ratio Lower Upper
178 100
176 17.6 15.1 22.7
179 14.7 12.6 18.8

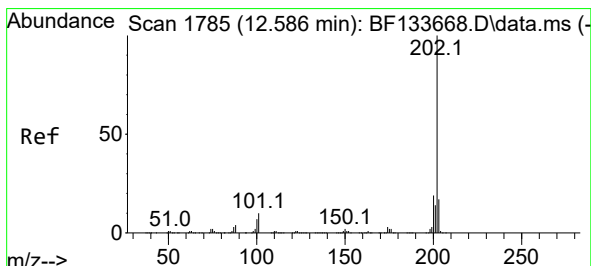
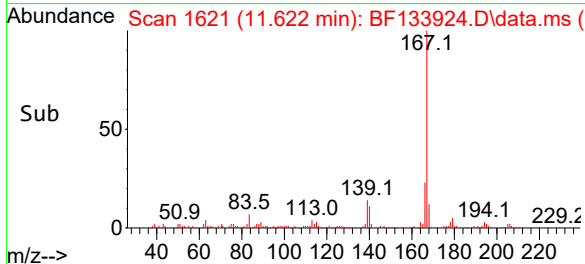
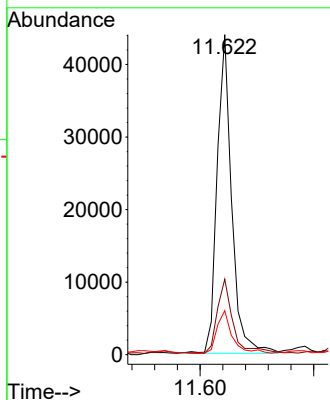
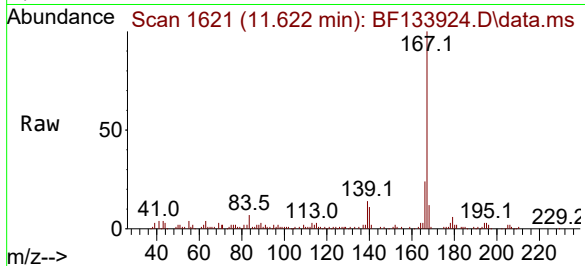




#73
 Carbazole
 Concen: 2.750 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF133924.D
 Acq: 23 Jun 2023 03:38

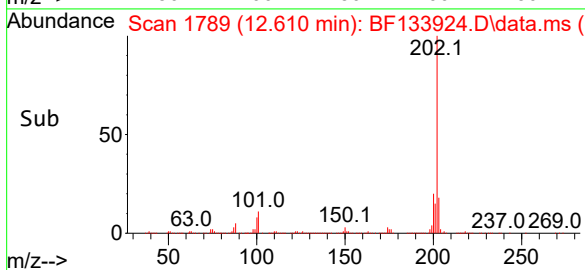
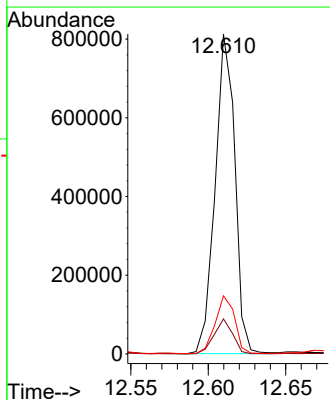
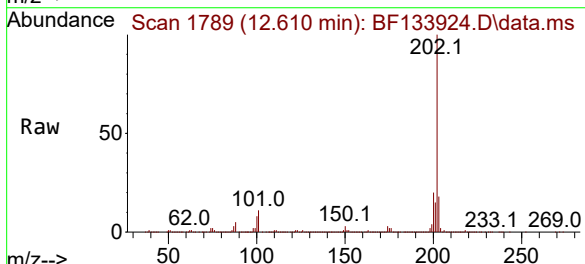
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-0-8

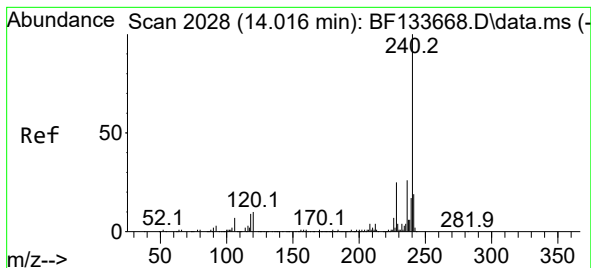
Tgt Ion:167 Resp: 39119
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.0 25.6
 139 13.8 11.2 16.8



#75
 Fluoranthene
 Concen: 46.242 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF133924.D
 Acq: 23 Jun 2023 03:38

Tgt Ion:202 Resp: 719358
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 29.6
 203 18.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8

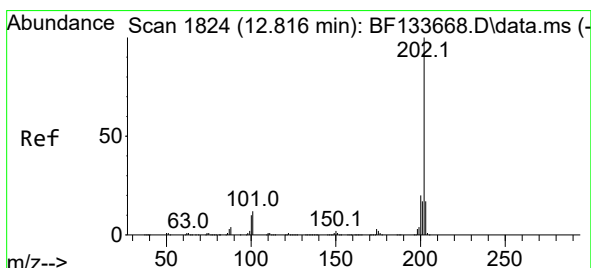
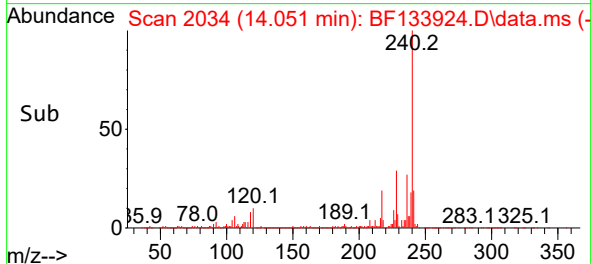
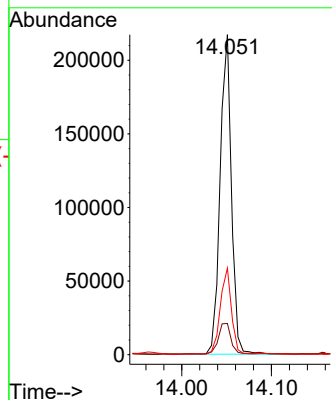
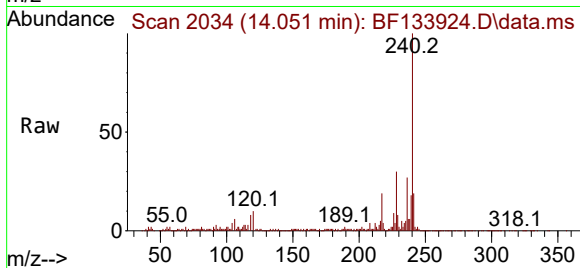
Tgt Ion:240 Resp: 189611

Ion Ratio Lower Upper

240 100

120 9.7 8.1 12.1

236 27.1 20.5 30.7



#78

Pyrene

Concen: 43.490 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

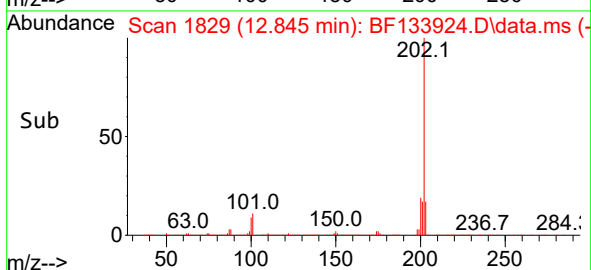
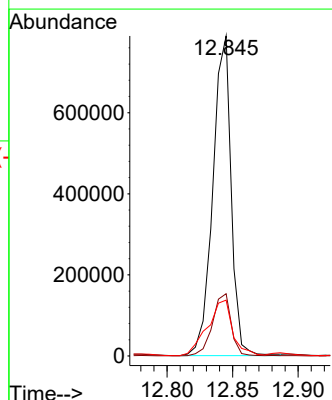
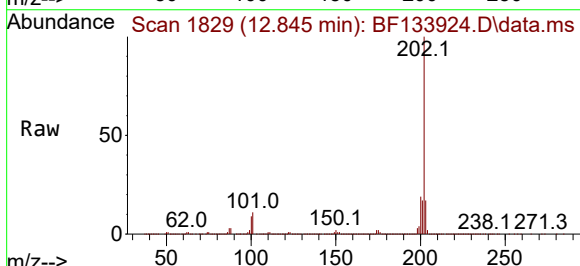
Tgt Ion:202 Resp: 768167

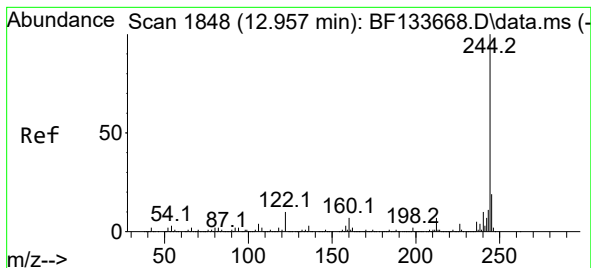
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 66.488 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8

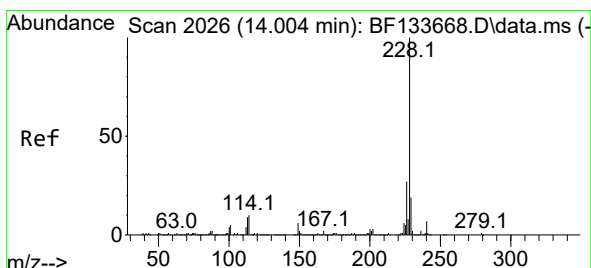
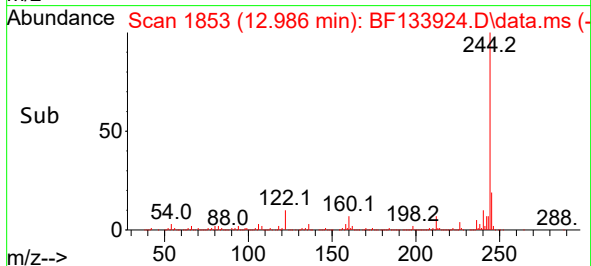
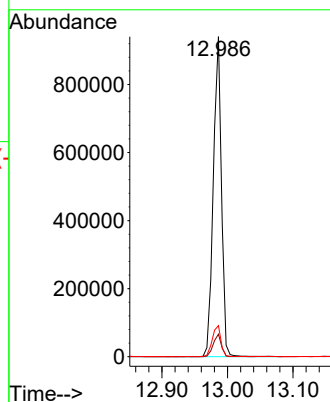
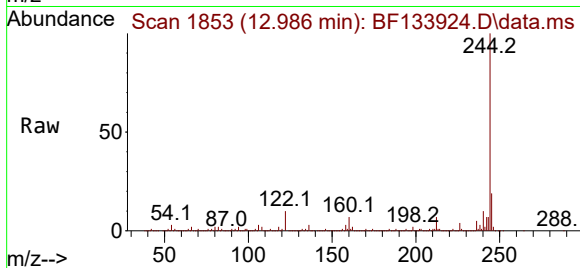
Tgt Ion:244 Resp: 814744

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 9.7 8.1 12.1



#81

Benzo(a)anthracene

Concen: 31.416 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

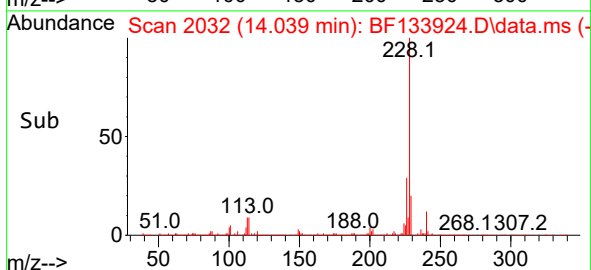
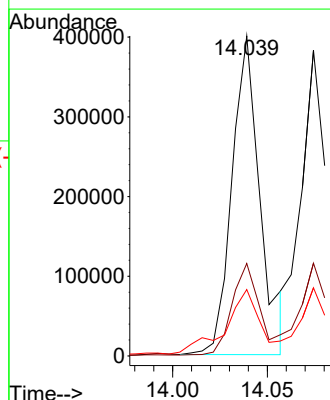
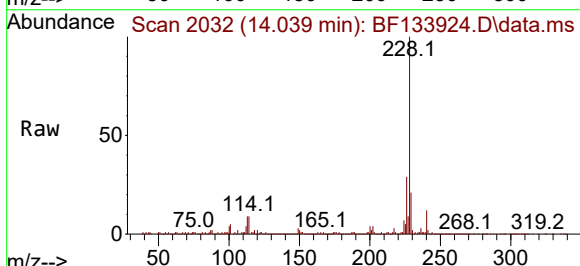
Tgt Ion:228 Resp: 412030

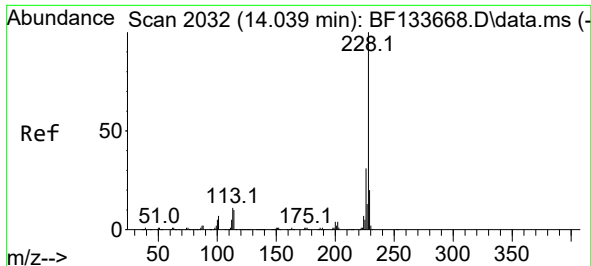
Ion Ratio Lower Upper

228 100

226 28.9 21.7 32.5

229 20.8 15.4 23.2

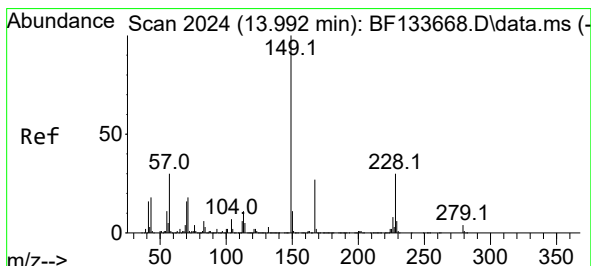
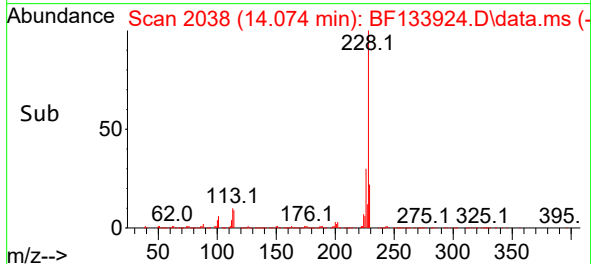
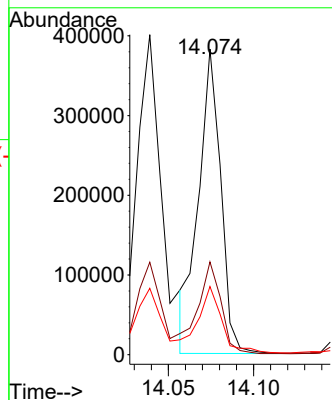
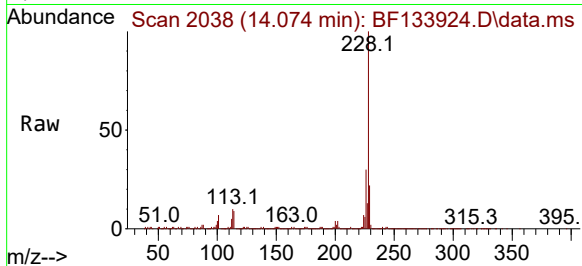




#83
Chrysene
Concen: 27.906 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

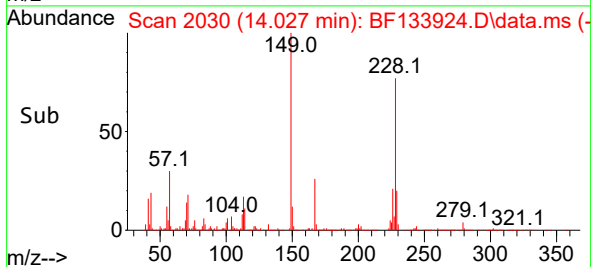
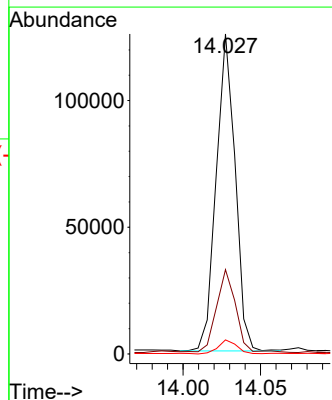
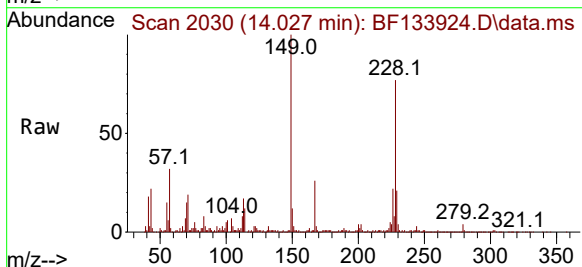
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

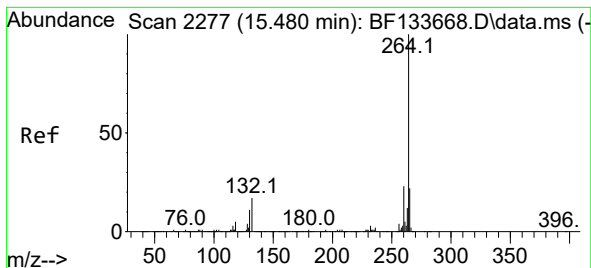
Tgt Ion:228 Resp: 346166
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.3 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 11.591 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:149 Resp: 106425
Ion Ratio Lower Upper
149 100
167 26.3 21.8 32.8
279 4.4 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8

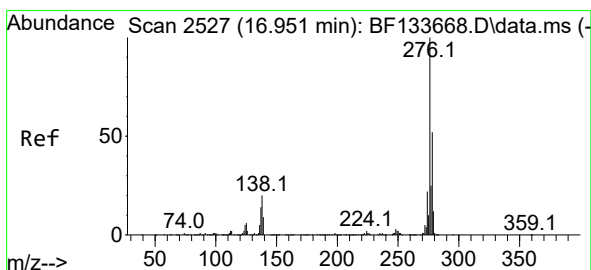
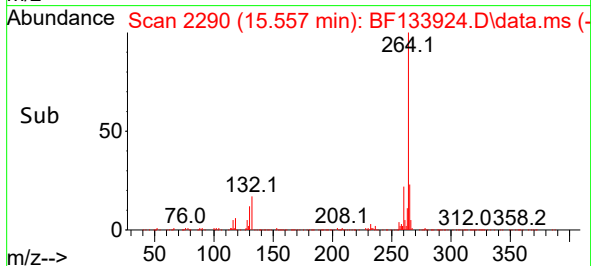
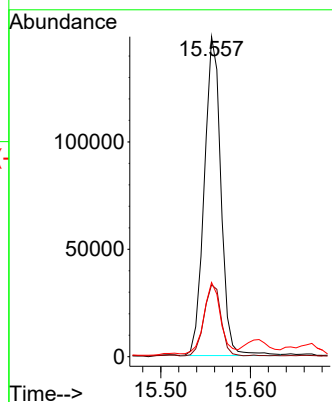
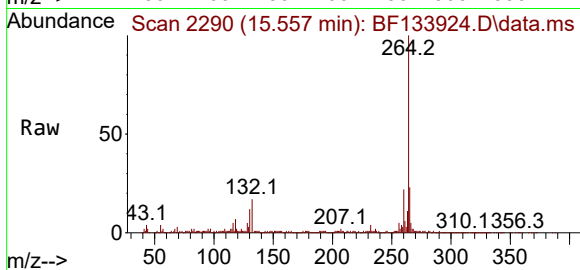
Tgt Ion:264 Resp: 191762

Ion Ratio Lower Upper

264 100

260 22.4 18.2 27.2

265 23.2 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.473 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.017 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

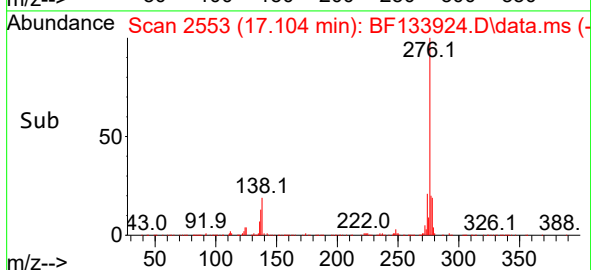
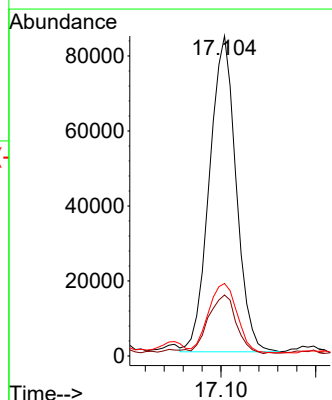
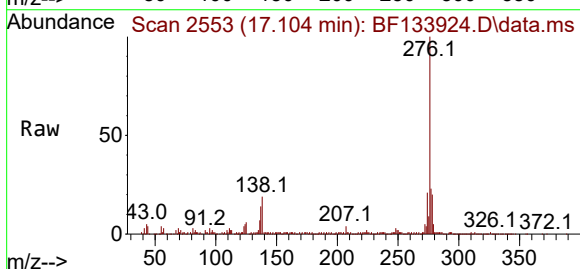
Tgt Ion:276 Resp: 164550

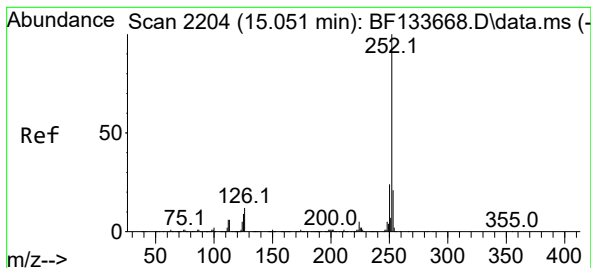
Ion Ratio Lower Upper

276 100

138 19.7 17.9 26.9

277 23.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 49.354 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8

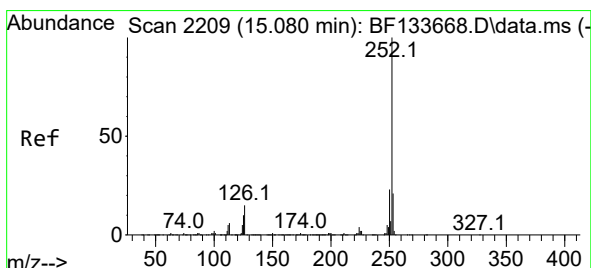
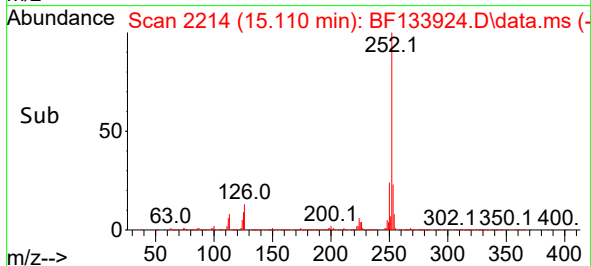
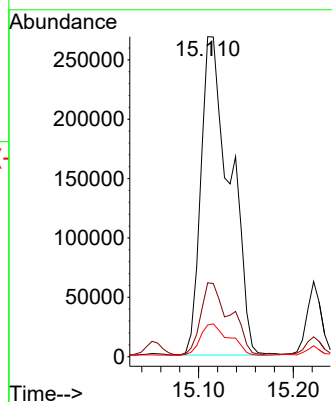
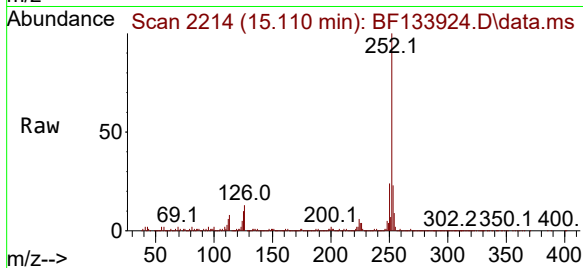
Tgt Ion:252 Resp: 574914

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 9.9 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 50.666 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.035 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

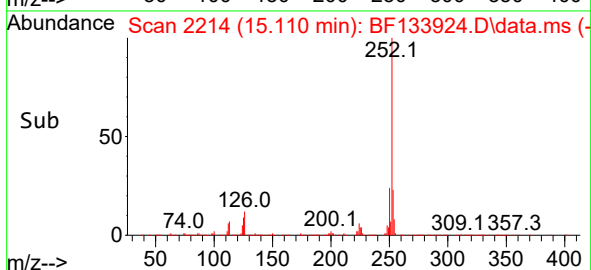
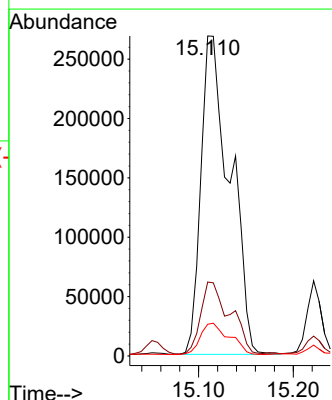
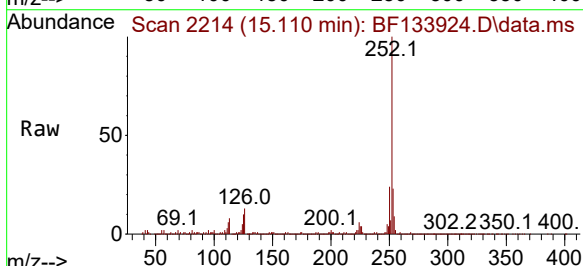
Tgt Ion:252 Resp: 574914

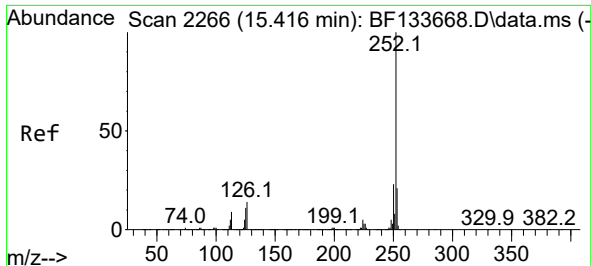
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 9.9 7.8 11.6

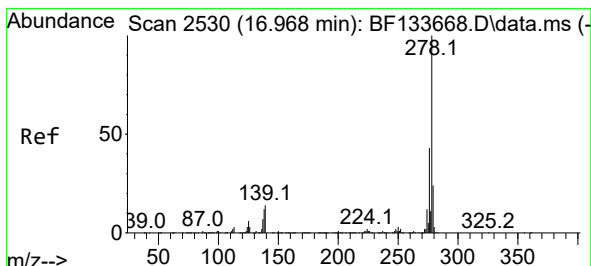
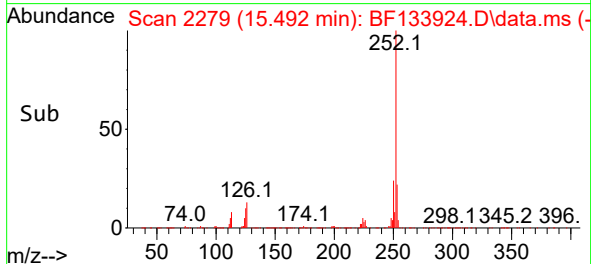
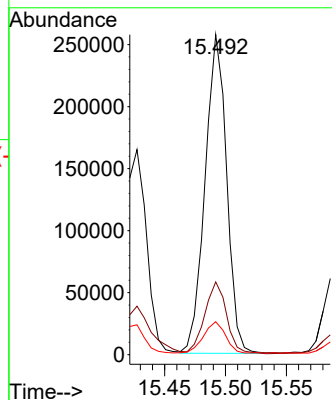
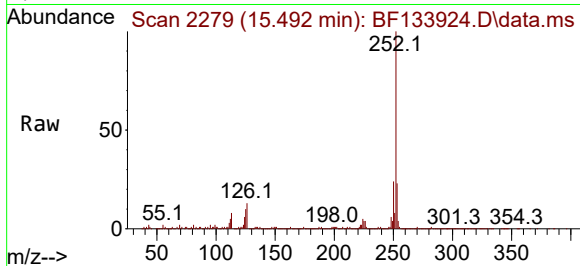




#90
Benzo(a)pyrene
Concen: 29.354 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

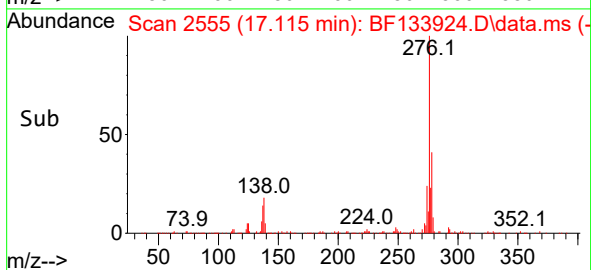
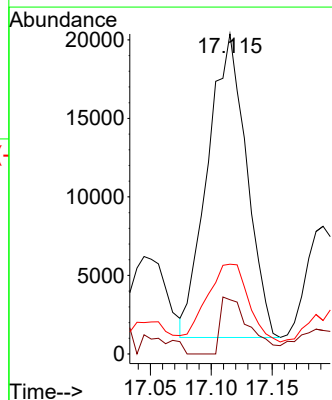
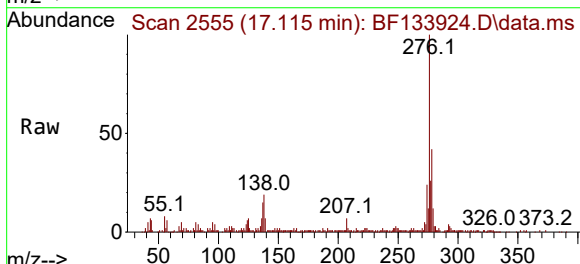
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

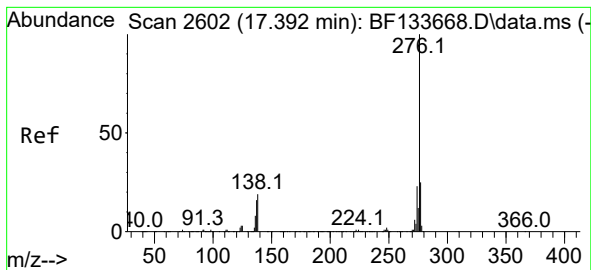
Tgt Ion:252 Resp: 317345
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 10.3 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 3.938 ng
RT: 17.115 min Scan# 2555
Delta R.T. -0.023 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:278 Resp: 43016
Ion Ratio Lower Upper
278 100
139 17.0 11.4 17.2
279 28.1 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 14.322 ng

RT: 17.574 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF133924.D

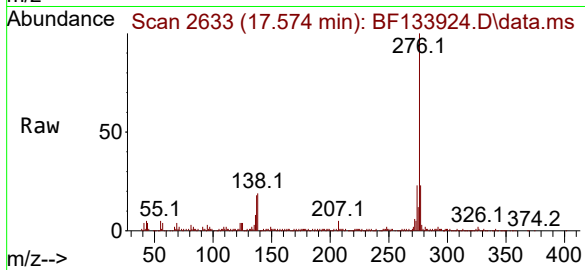
Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8



Tgt Ion:276 Resp: 155096

Ion Ratio Lower Upper

276 100

277 23.4 19.8 29.8

138 19.2 15.0 22.4

