

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131152.D
 Acq On : 11 Nov 2022 13:30
 Operator : CG\JU
 Sample : N5378-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-20221028-5.0-6.0DL

Quant Time: Nov 11 14:42:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

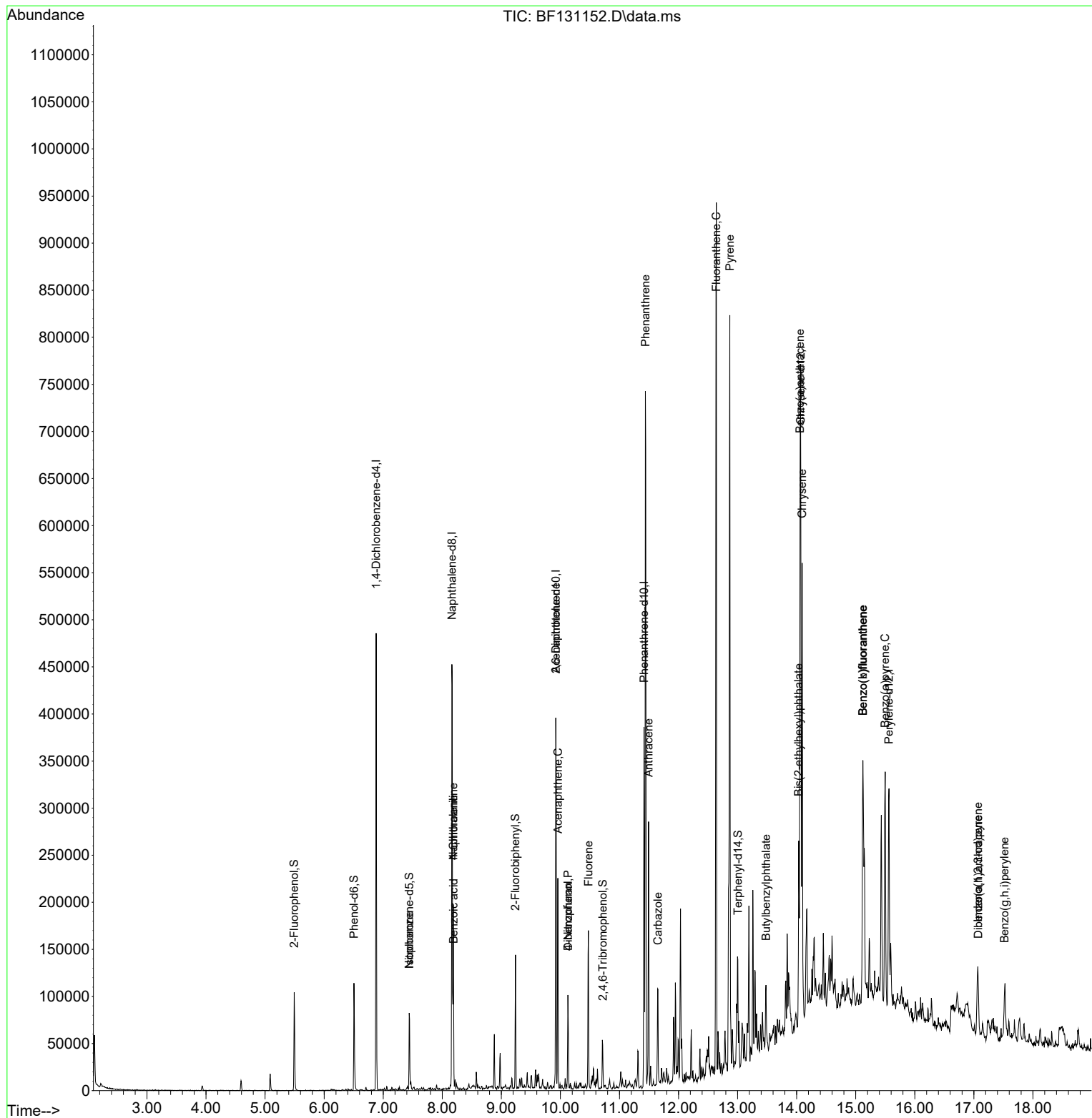
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	56066	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	183988	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	73554	20.000	ng	-0.02
64) Phenanthrene-d10	11.416	188	124070	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	135261	20.000	ng	-0.01
86) Perylene-d12	15.563	264	101183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	24674	7.484	ng	-0.01
7) Phenol-d6	6.504	99	31871	7.394	ng	-0.02
23) Nitrobenzene-d5	7.440	82	24508	6.010	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	3096	4.073	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	34079	6.468	ng	-0.02
79) Terphenyl-d14	13.004	244	34109	4.421	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.440	82	24508	3.887	ng	# 68
31) Naphthalene	8.187	128	66087	6.574	ng	99
32) Benzoic acid	8.192	122	231	5.825	ng	# 1
33) 4-Chloroaniline	8.187	127	8751	2.171	ng	# 34
51) 2,6-Dinitrotoluene	9.922	165	9899	8.609	ng	# 14
52) Acenaphthene	9.957	154	38641	9.186	ng	97
55) Dibenzofuran	10.128	168	29265	4.698	ng	99
56) 4-Nitrophenol	10.128	139	12650	14.458	ng	# 1
58) Fluorene	10.475	166	41160	8.135	ng	97
71) Phenanthrene	11.439	178	271306	39.759	ng	98
72) Anthracene	11.492	178	91431	13.806	ng	99
73) Carbazole	11.651	167	41435	7.035	ng	98
75) Fluoranthene	12.639	202	373568	54.691	ng	99
78) Pyrene	12.869	202	319479	27.530	ng	100
80) Butylbenzylphthalate	13.480	149	14026	3.376	ng	98
81) Benzo(a)anthracene	14.057	228	198169	20.497	ng	98
83) Chrysene	14.092	228	157237	17.221	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	39905	8.897	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	48094	9.206	ng	96
88) Benzo(b)fluoranthene	15.121	252	211687	29.591	ng	99
89) Benzo(k)fluoranthene	15.121	252	211687	30.787	ng	99
90) Benzo(a)pyrene	15.498	252	111521	19.445	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	12508	5.554	ng	# 91
92) Benzo(g,h,i)perylene	17.521	276	43369	9.906	ng	95

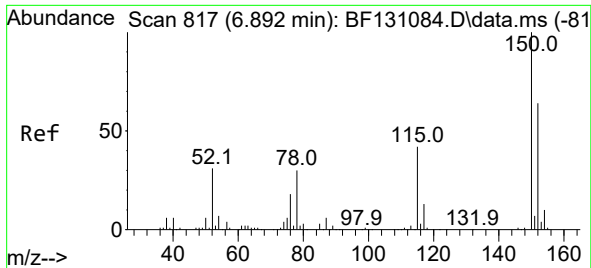
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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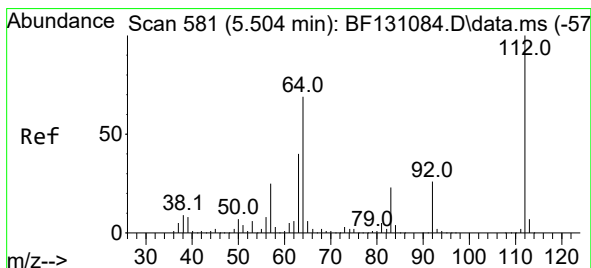
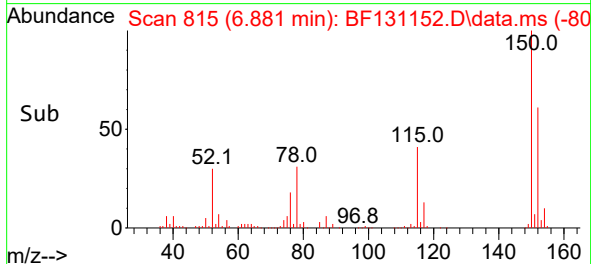
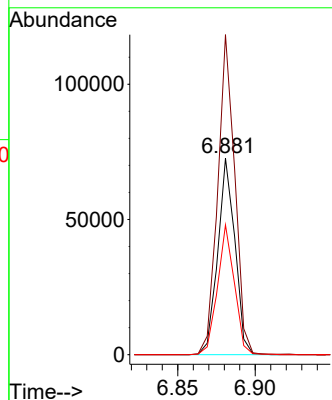
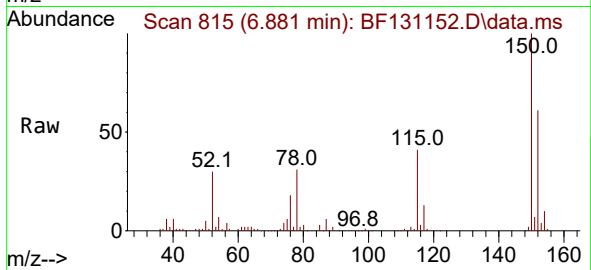




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.011 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

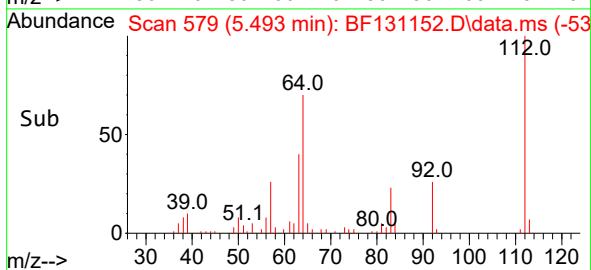
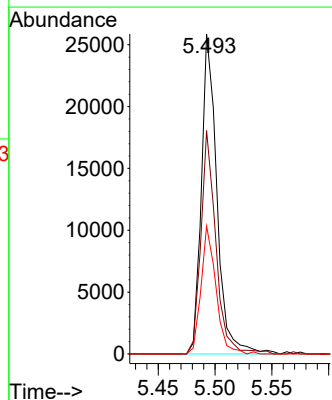
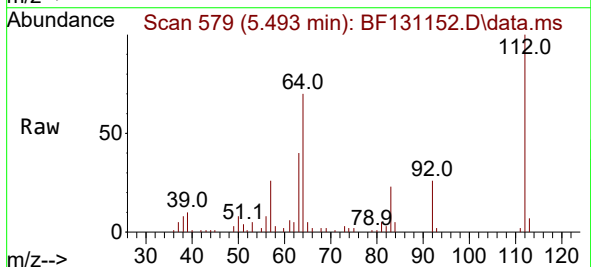
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

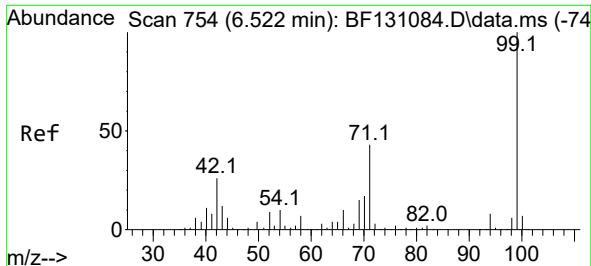
Tgt Ion:152 Resp: 56066
Ion Ratio Lower Upper
152 100
150 162.9 125.5 188.3
115 66.0 52.2 78.2



#5
2-Fluorophenol
Concen: 7.484 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.011 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:112 Resp: 24674
Ion Ratio Lower Upper
112 100
64 69.8 55.1 82.7
63 39.9 32.4 48.6

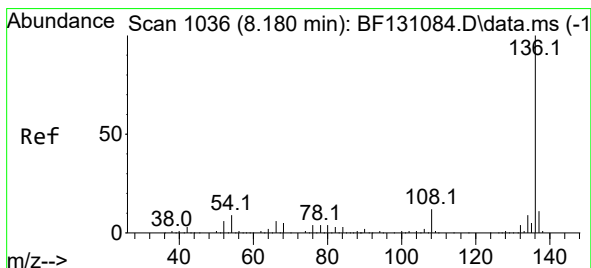
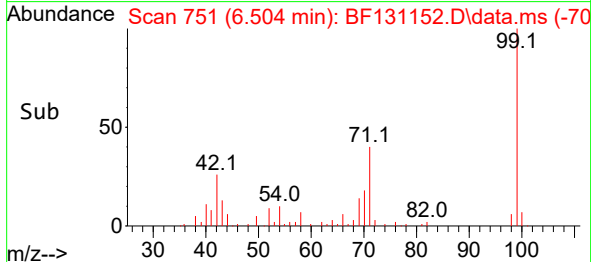
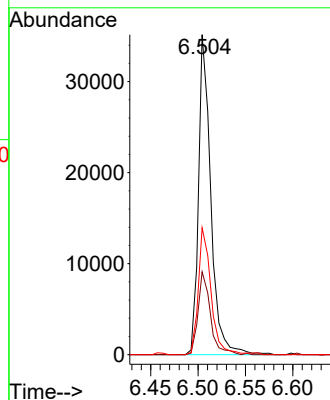
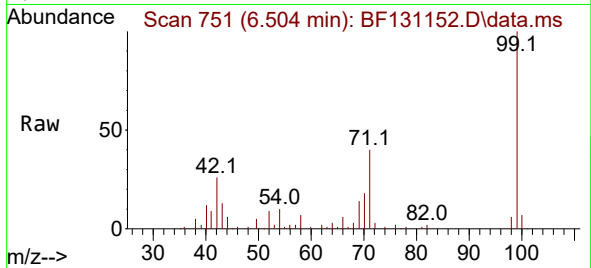




#7
Phenol-d6
Concen: 7.394 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

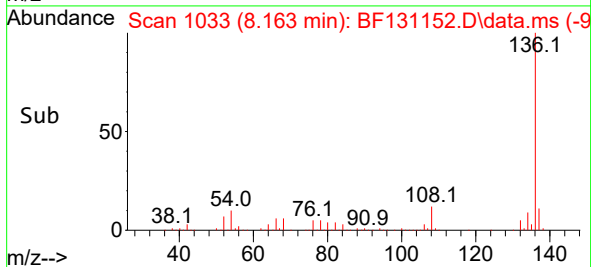
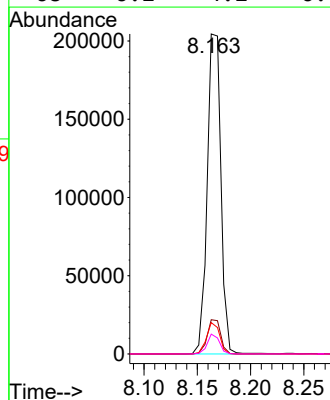
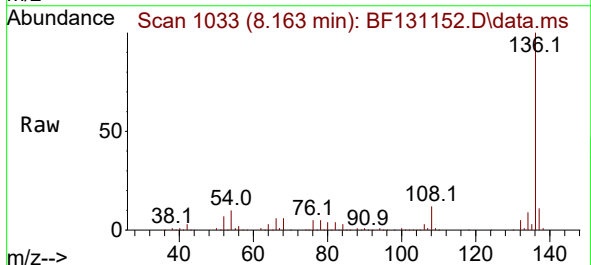
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

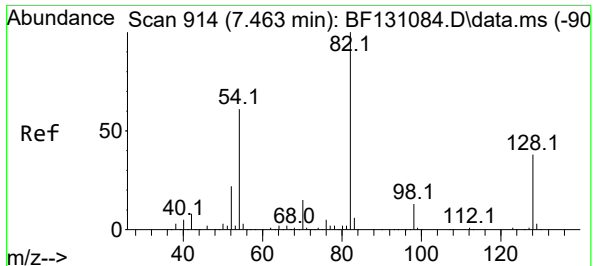
Tgt Ion: 99 Resp: 31871
Ion Ratio Lower Upper
99 100
42 25.9 20.8 31.2
71 39.7 34.2 51.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion: 136 Resp: 183988
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.8 7.2 10.8
68 6.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 6.010 ng

RT: 7.440 min Scan# 910

Delta R.T. -0.023 min

Lab File: BF131152.D

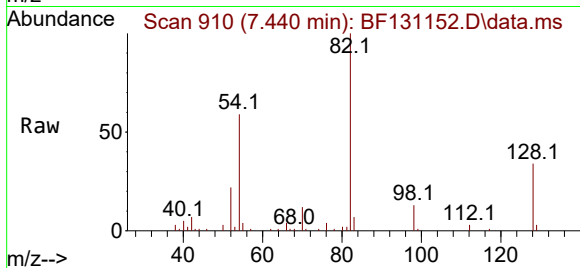
Acq: 11 Nov 2022 13:30

Instrument :

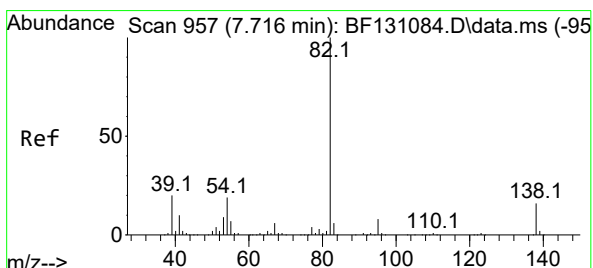
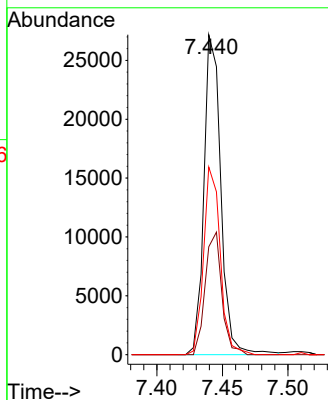
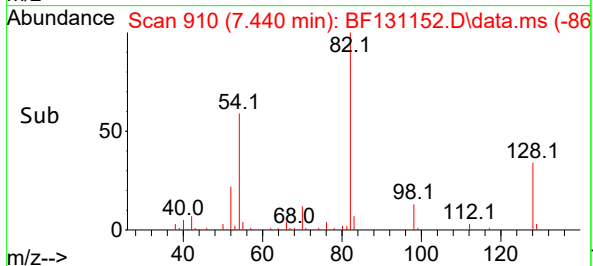
BNA_F

ClientSampleId :

SB-16-20221028-5.0-6.0DL



Tgt Ion:	82	Resp:	24508
Ion	Ratio	Lower	Upper
82	100		
128	33.7	30.5	45.7
54	58.6	49.1	73.7



#25

Isophorone

Concen: 3.887 ng

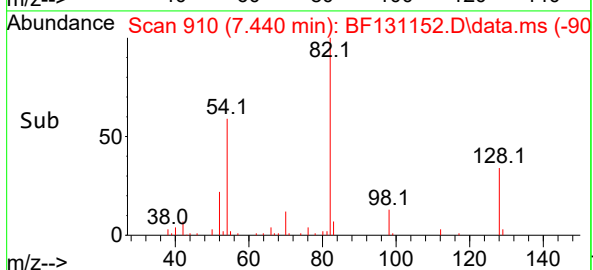
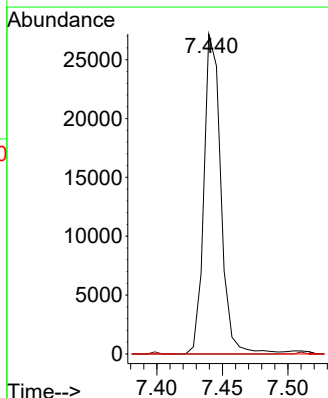
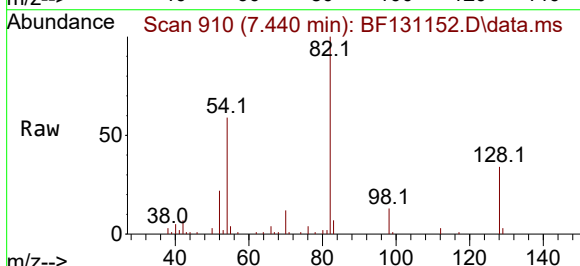
RT: 7.440 min Scan# 910

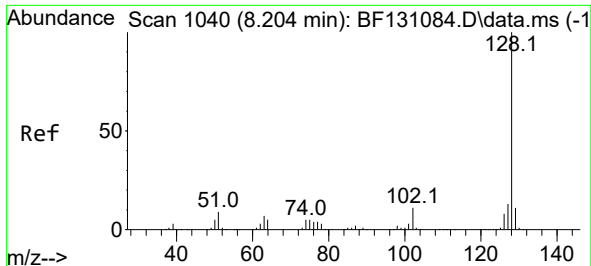
Delta R.T. -0.276 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Tgt Ion:	82	Resp:	24508
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.2	9.2#
138	0.0	12.5	18.7#





#31

Naphthalene

Concen: 6.574 ng

RT: 8.187 min Scan# 1037

Delta R.T. -0.017 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Instrument :

BNA_F

ClientSampleId :

SB-16-20221028-5.0-6.0DL

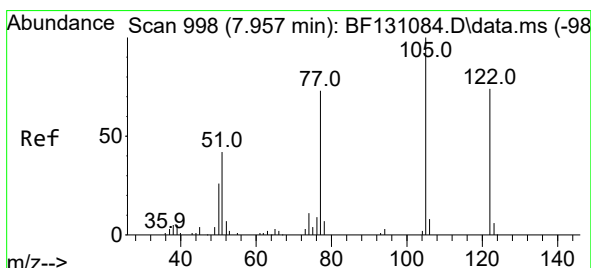
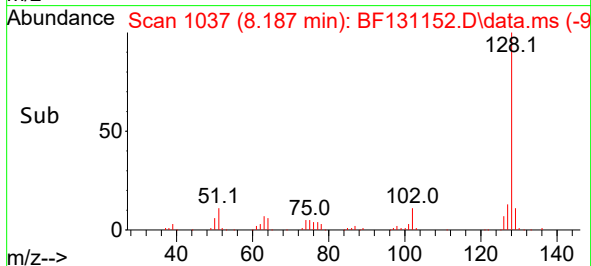
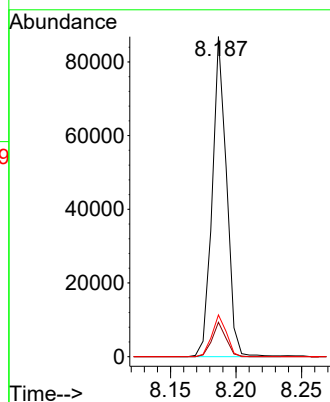
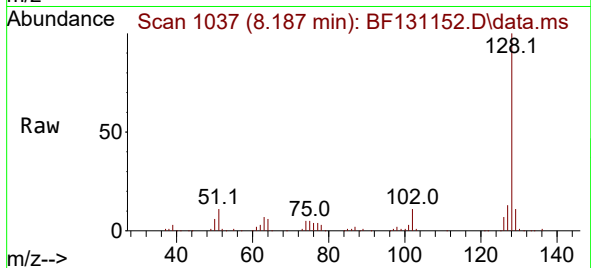
Tgt Ion:128 Resp: 66087

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.0 10.8 16.2



#32

Benzoic acid

Concen: 5.825 ng

RT: 8.192 min Scan# 1038

Delta R.T. 0.235 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

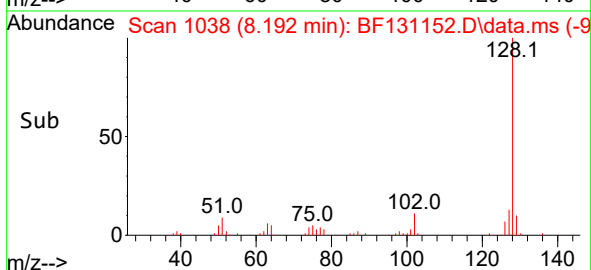
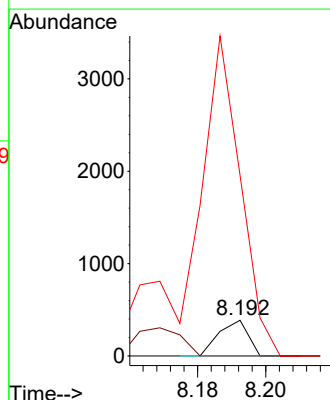
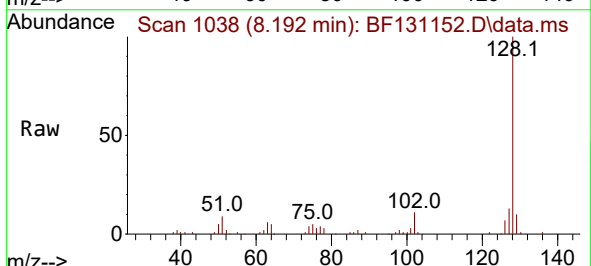
Tgt Ion:122 Resp: 231

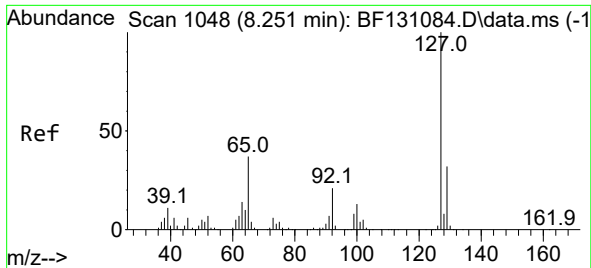
Ion Ratio Lower Upper

122 100

105 0.0 113.0 153.0#

77 505.9 78.7 118.7#

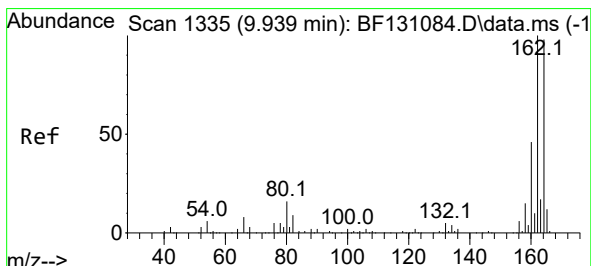
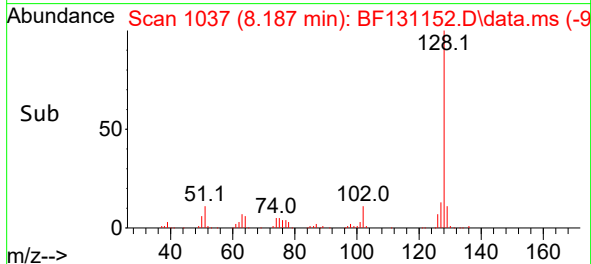
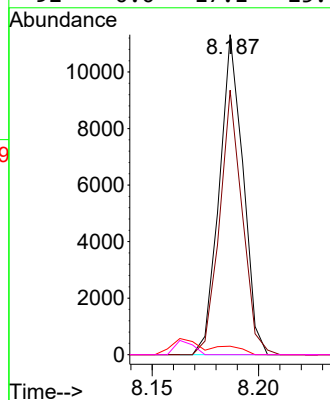
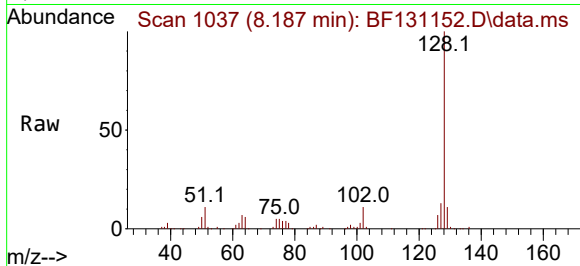




#33
4-Chloroaniline
Concen: 2.171 ng
RT: 8.187 min Scan# 1048
Delta R.T. -0.064 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

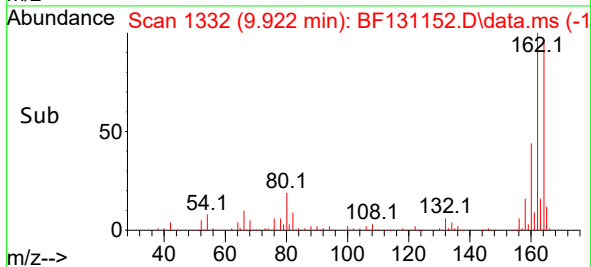
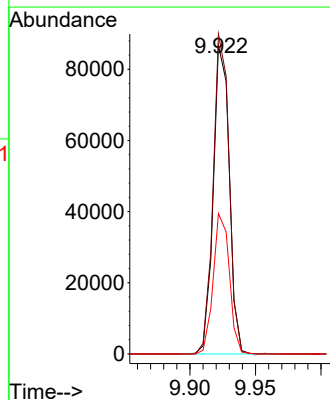
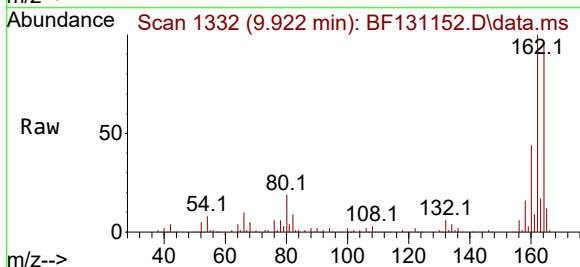
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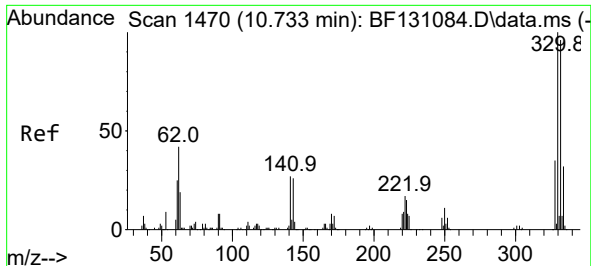
Tgt Ion:127	Resp:	8751
Ion Ratio	Lower	Upper
127	100	
129	82.7	25.8 38.6#
65	2.7	29.6 44.4#
92	0.0	17.1 25.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:164	Resp:	73554
Ion Ratio	Lower	Upper
164	100	
162	103.7	81.7 122.5
160	45.5	37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 4.073 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.017 min

Lab File: BF131152.D

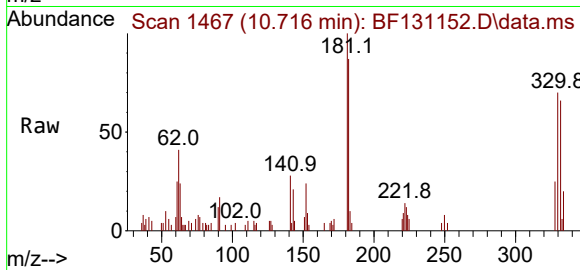
Acq: 11 Nov 2022 13:30

Instrument :

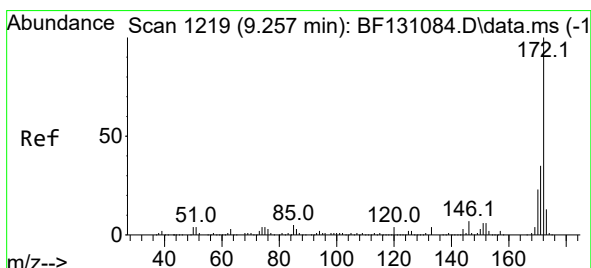
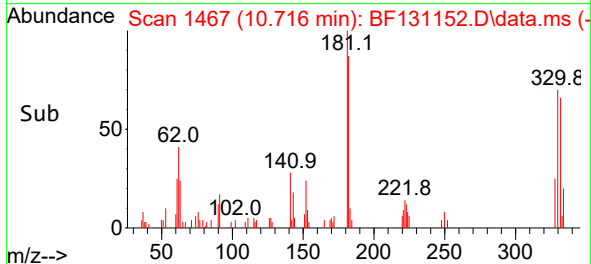
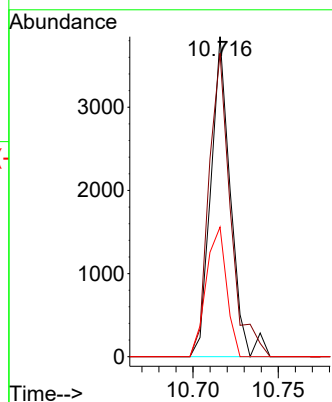
BNA_F

ClientSampleId :

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Tgt Ion:	330	Resp:	3096
Ion	Ratio	Lower	Upper
330	100		
332	103.5	77.0	115.4
141	41.9	28.5	42.7



#45

2-Fluorobiphenyl

Concen: 6.468 ng

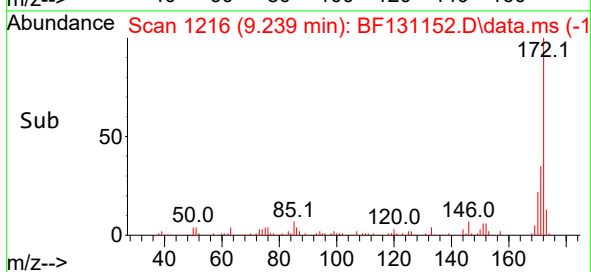
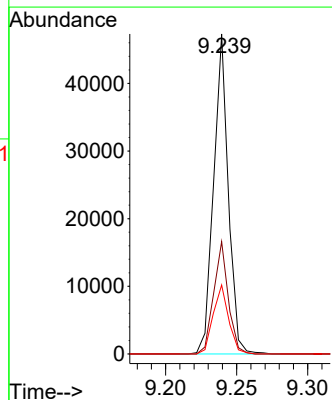
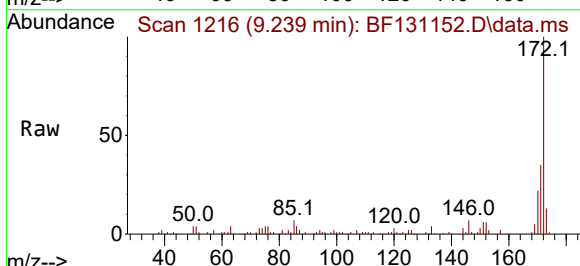
RT: 9.239 min Scan# 1216

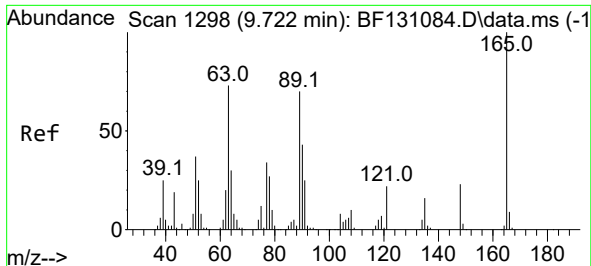
Delta R.T. -0.017 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Tgt Ion:	172	Resp:	34079
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.7	41.5
170	21.6	18.8	28.2

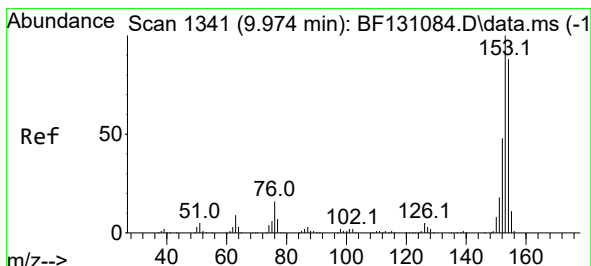
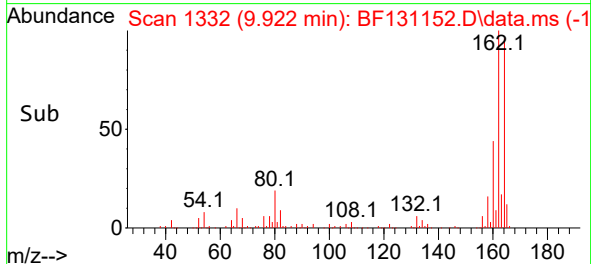
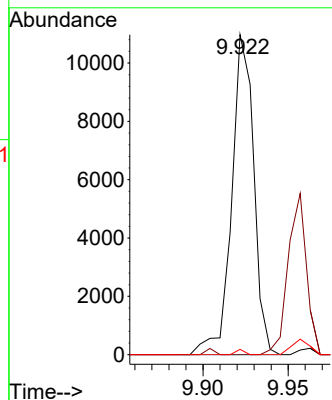
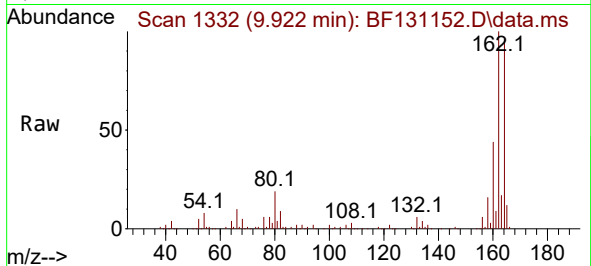




#51
2,6-Dinitrotoluene
Concen: 8.609 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

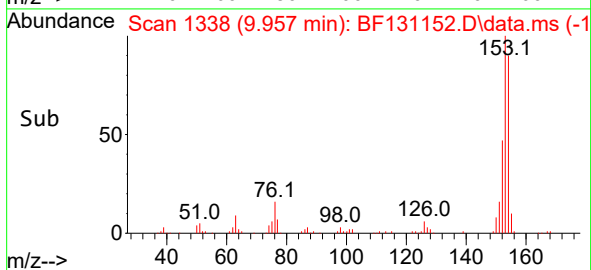
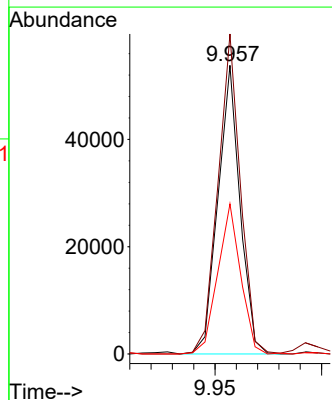
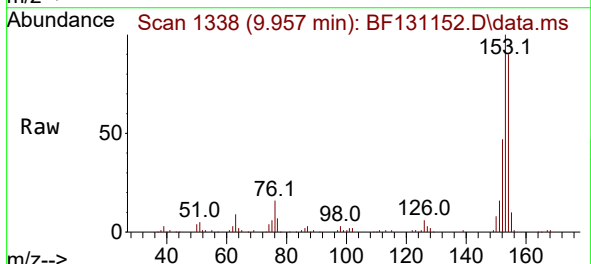
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

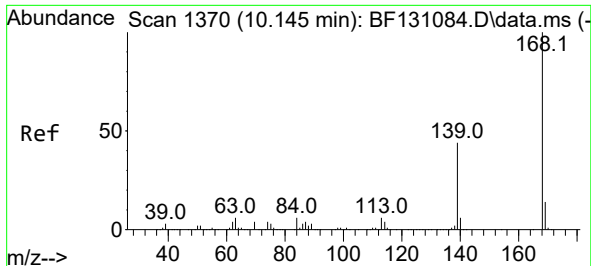
Tgt Ion:165 Resp: 9899
Ion Ratio Lower Upper
165 100
63 0.0 61.4 92.2#
89 1.6 56.0 84.0#



#52
Acenaphthene
Concen: 9.186 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:154 Resp: 38641
Ion Ratio Lower Upper
154 100
153 110.9 90.8 136.2
152 52.0 43.4 65.2

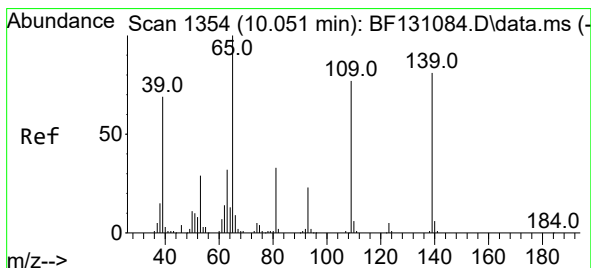
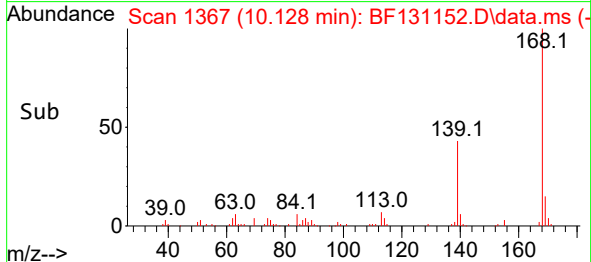
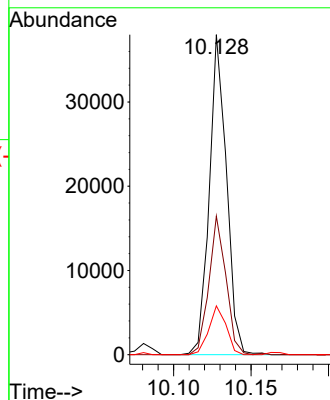
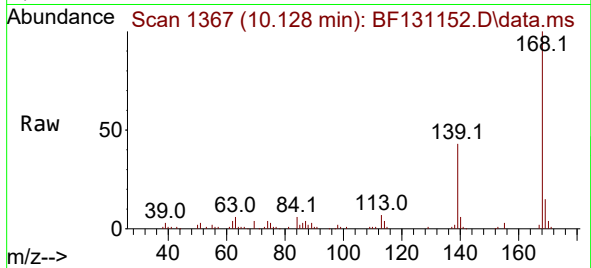




#55
Dibenzenofuran
Concen: 4.698 ng
RT: 10.128 min Scan# 1367
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

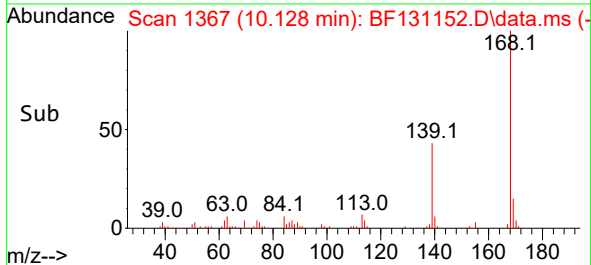
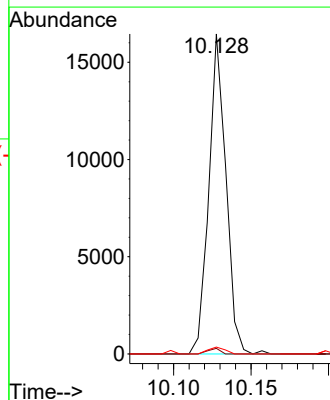
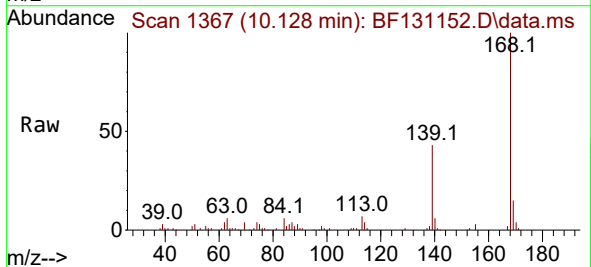
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

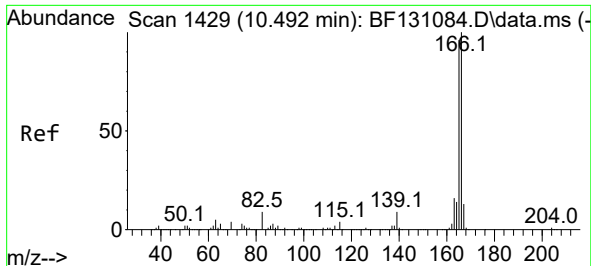
Tgt Ion:168 Resp: 29265
Ion Ratio Lower Upper
168 100
139 43.3 35.0 52.4
169 15.3 11.2 16.8



#56
4-Nitrophenol
Concen: 14.458 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.077 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:139 Resp: 12650
Ion Ratio Lower Upper
139 100
109 1.8 75.5 115.5#
65 2.1 104.5 144.5#

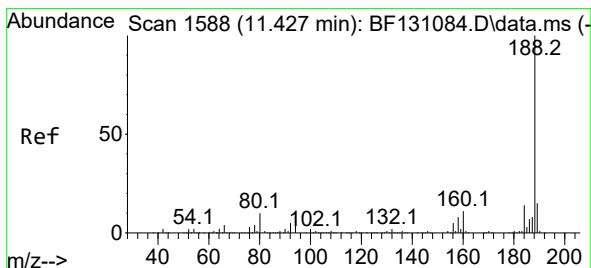
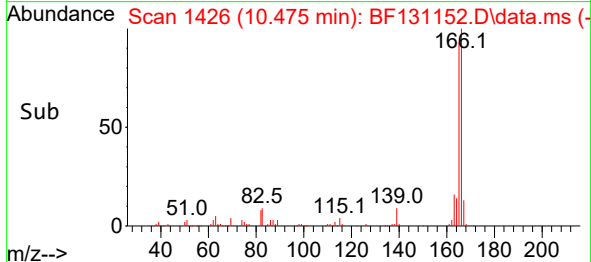
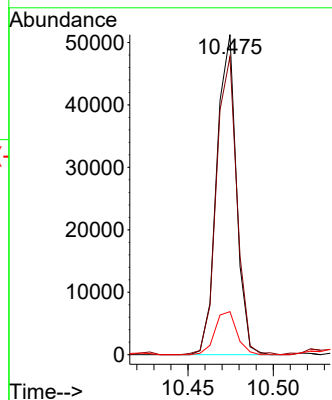
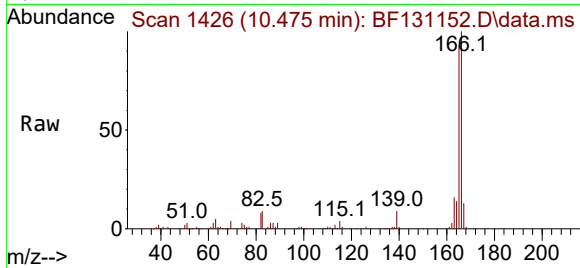




#58
Fluorene
Concen: 8.135 ng
RT: 10.475 min Scan# 1429
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

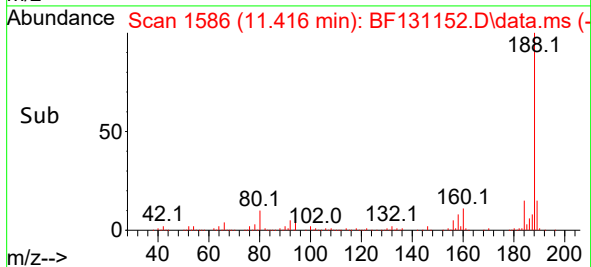
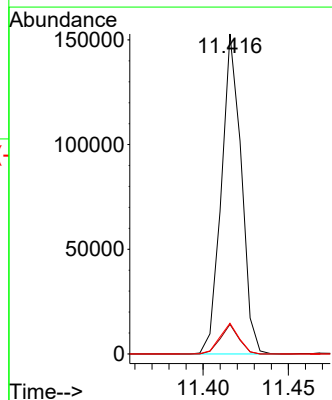
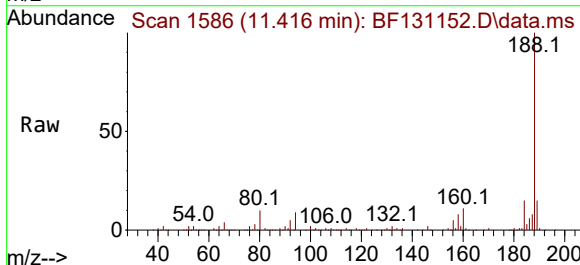
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

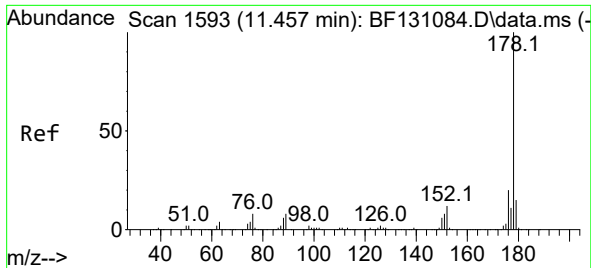
Tgt Ion:166 Resp: 41160
Ion Ratio Lower Upper
166 100
165 93.1 77.2 115.8
167 13.5 10.2 15.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:188 Resp: 124070
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.6 7.9 11.9

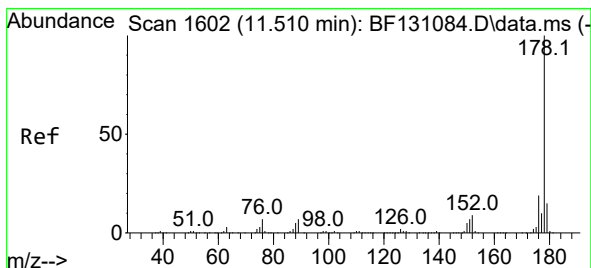
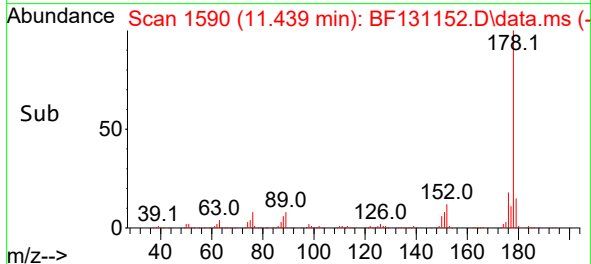
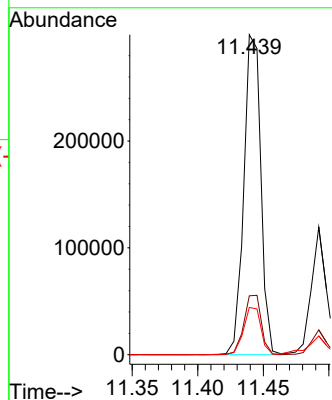
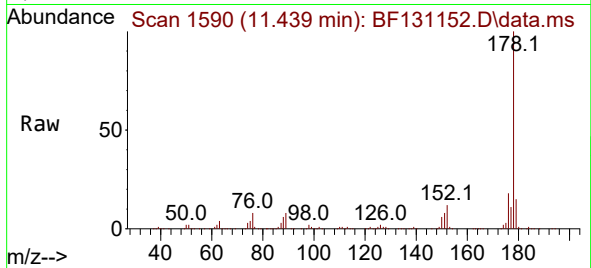




#71
Phenanthrene
Concen: 39.759 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

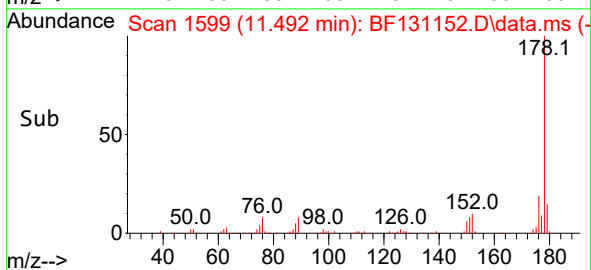
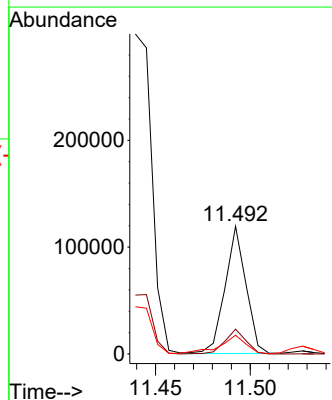
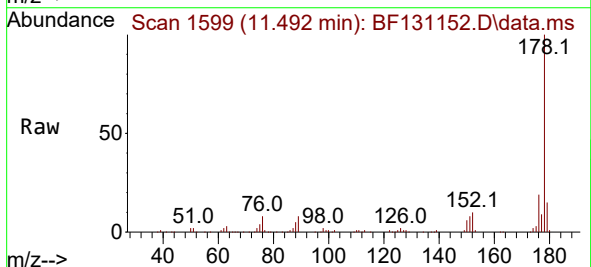
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

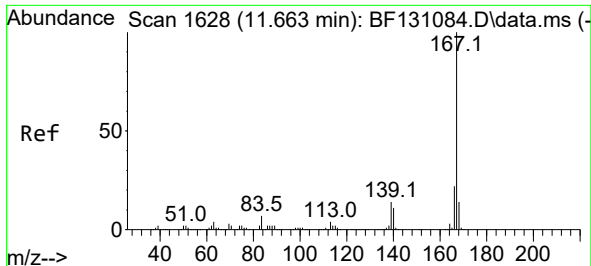
Tgt Ion:178 Resp: 271306
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 14.8 12.2 18.2



#72
Anthracene
Concen: 13.806 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:178 Resp: 91431
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.6
179 14.7 11.8 17.8

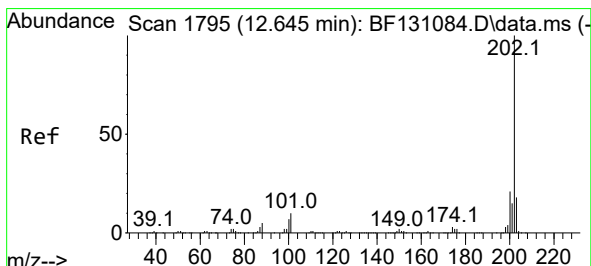
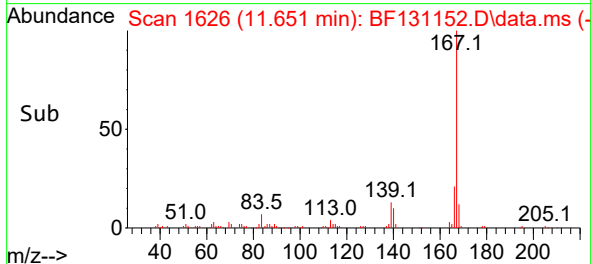
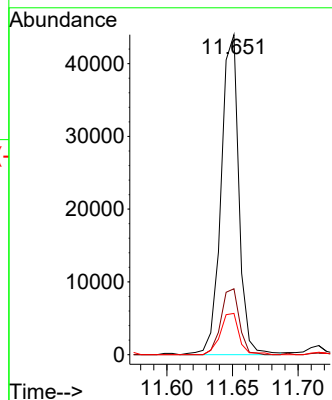
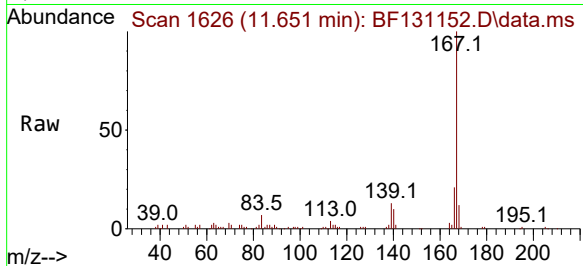




#73
 Carbazole
 Concen: 7.035 ng
 RT: 11.651 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

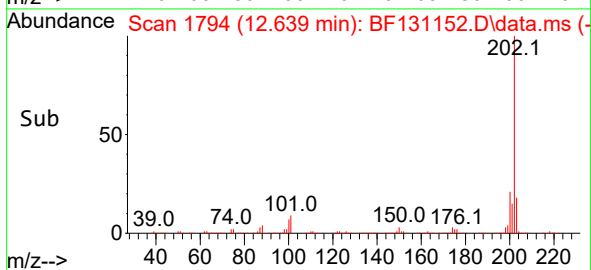
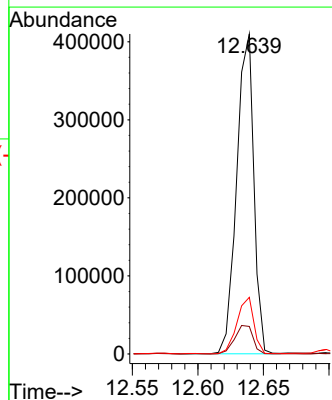
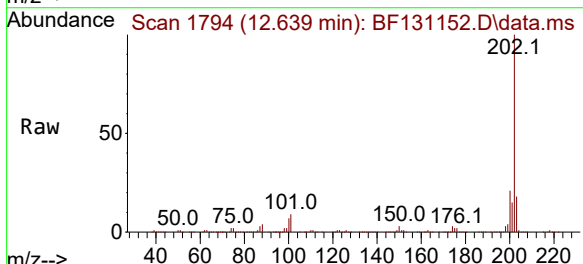
Instrument :
 BNA_F
 ClientSampleId :
 SB-16-20221028-5.0-6.0DL

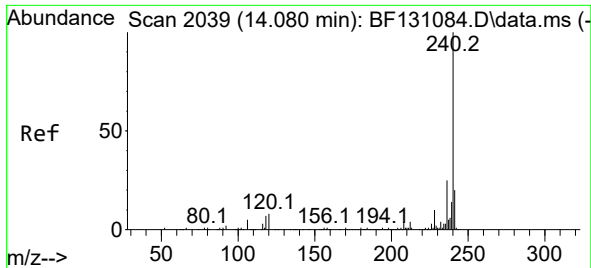
Tgt Ion:167 Resp: 41435
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.6 26.4
 139 12.9 10.8 16.2



#75
 Fluoranthene
 Concen: 54.691 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. -0.006 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

Tgt Ion:202 Resp: 373568
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 30.0
 203 17.7 0.0 37.7

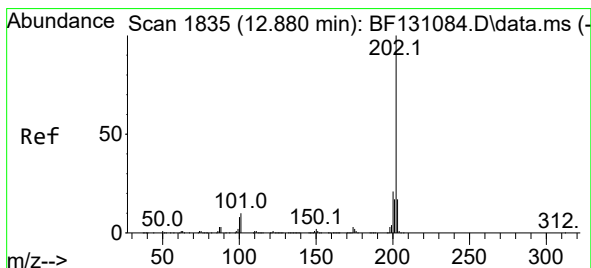
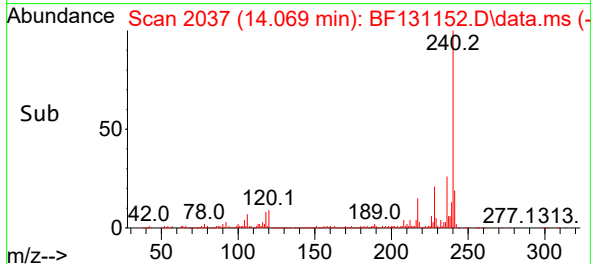
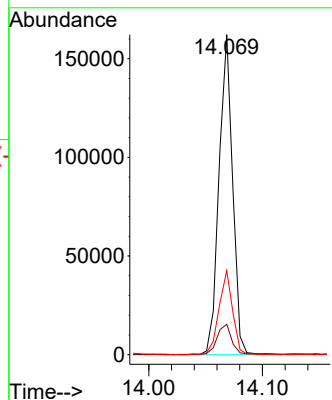
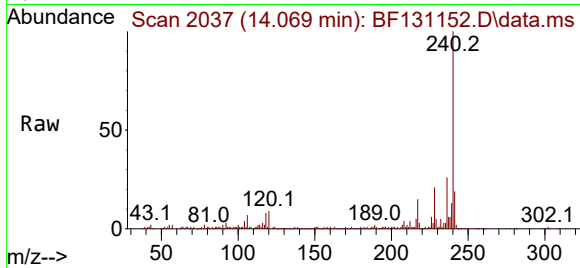




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.011 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

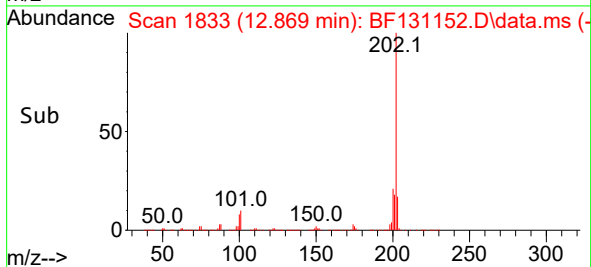
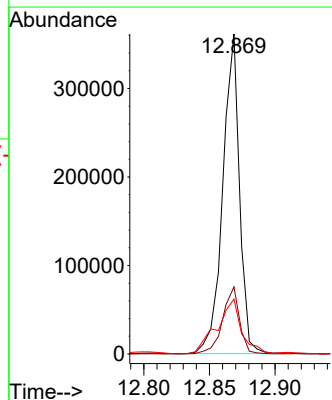
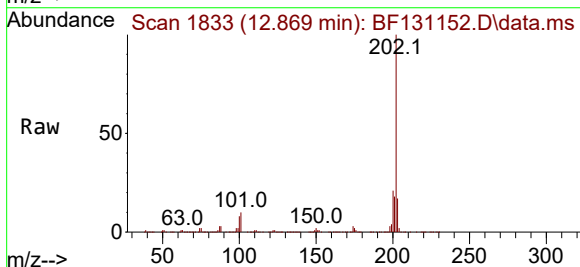
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

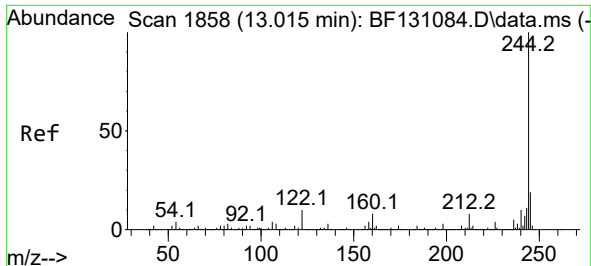
Tgt Ion:240 Resp: 135261
Ion Ratio Lower Upper
240 100
120 9.5 6.5 9.7
236 26.2 19.7 29.5



#78
Pyrene
Concen: 27.530 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

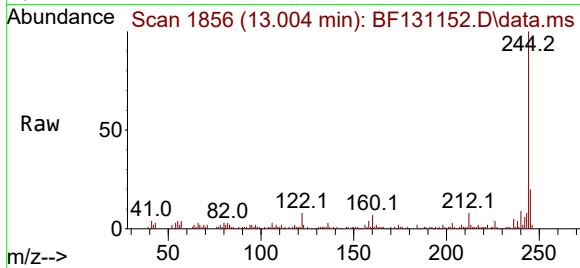
Tgt Ion:202 Resp: 319479
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 17.2 13.6 20.4



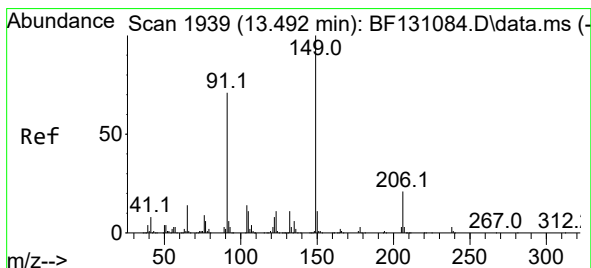
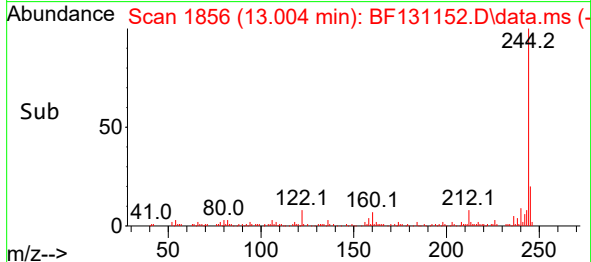
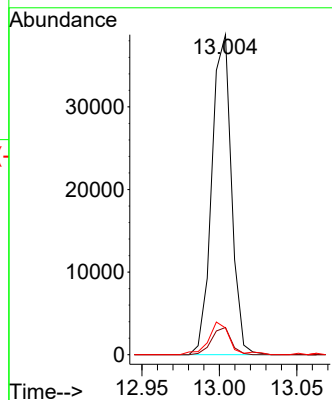


#79
 Terphenyl-d14
 Concen: 4.421 ng
 RT: 13.004 min Scan# 1856
 Delta R.T. -0.011 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-20221028-5.0-6.0DL

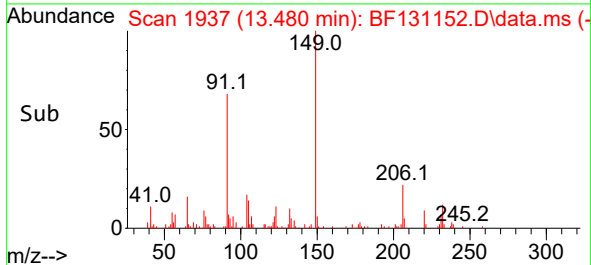
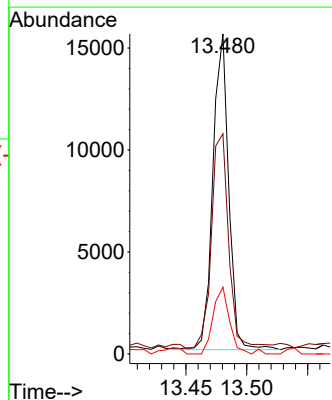
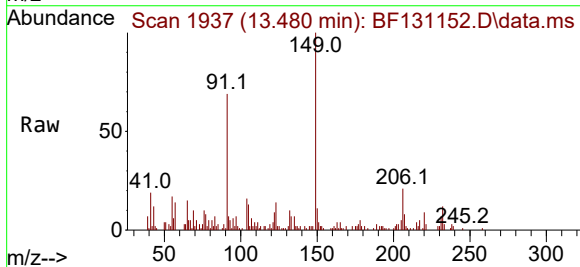


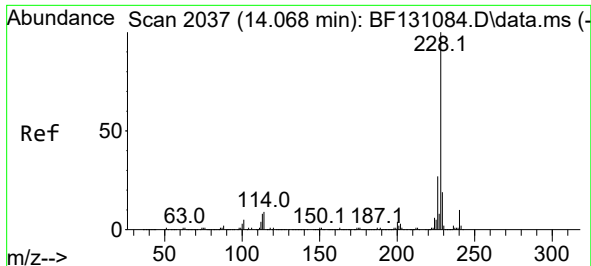
Tgt Ion:244 Resp: 34109
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.2 9.2
 122 8.4 7.8 11.8



#80
 Butylbenzylphthalate
 Concen: 3.376 ng
 RT: 13.480 min Scan# 1937
 Delta R.T. -0.012 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

Tgt Ion:149 Resp: 14026
 Ion Ratio Lower Upper
 149 100
 91 68.8 56.4 84.6
 206 20.9 17.1 25.7

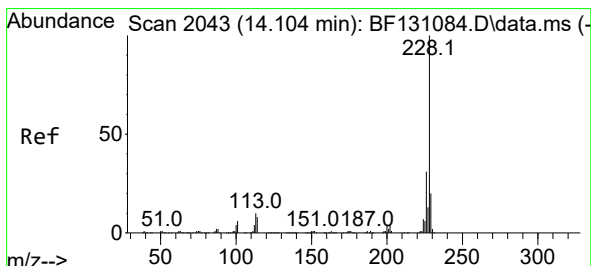
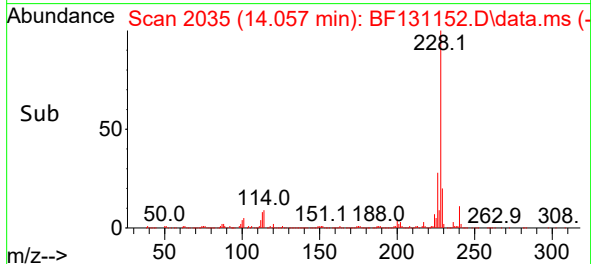
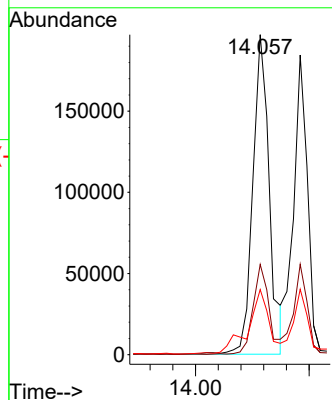
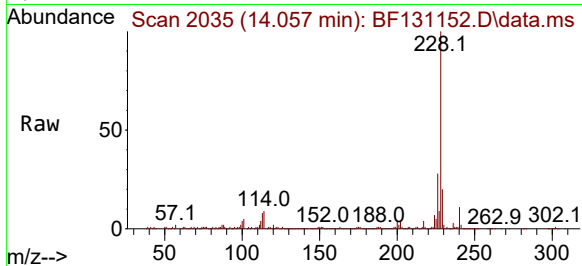




#81
Benzo(a)anthracene
Concen: 20.497 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

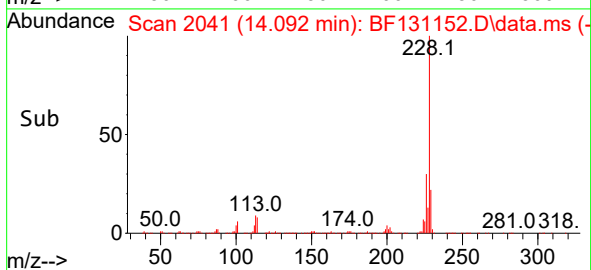
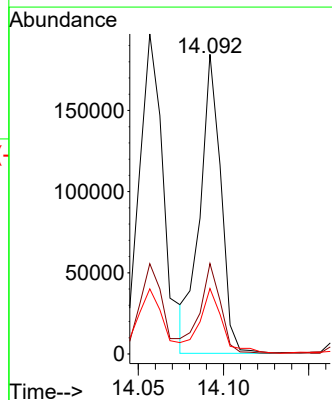
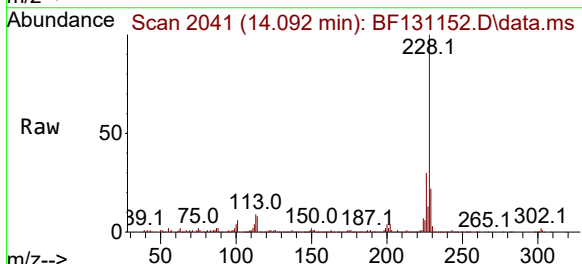
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

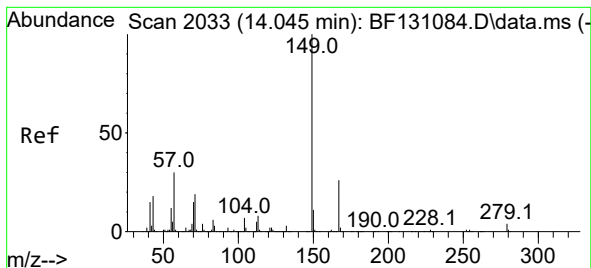
Tgt Ion:228 Resp: 198169
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.6
229 20.3 15.4 23.2



#83
Chrysene
Concen: 17.221 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:228 Resp: 157237
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 21.9 15.8 23.6

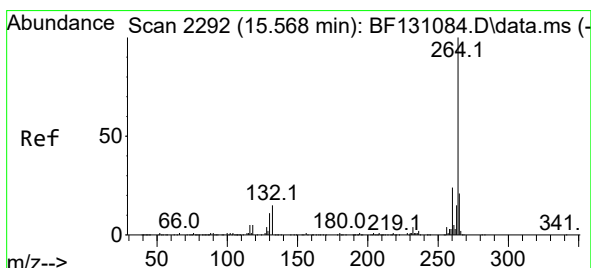
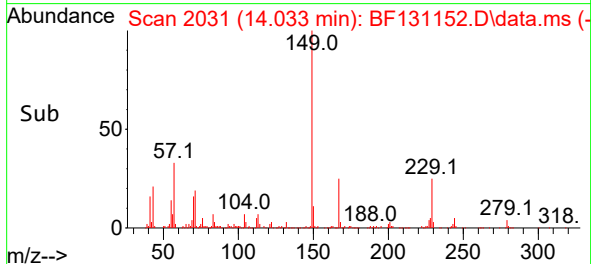
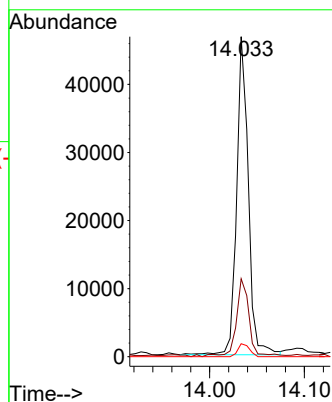
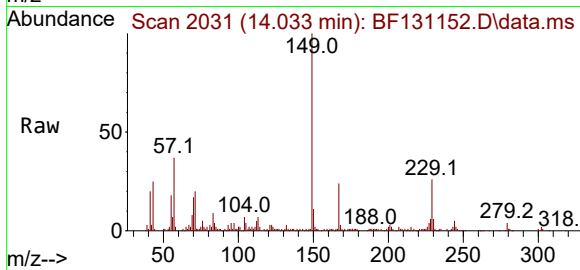




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.897 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

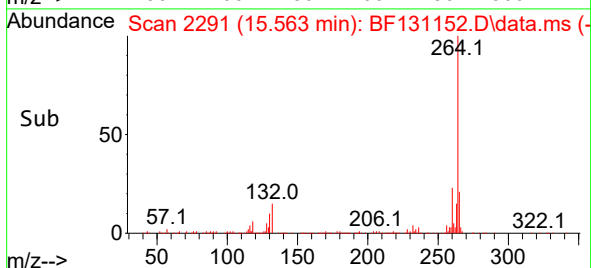
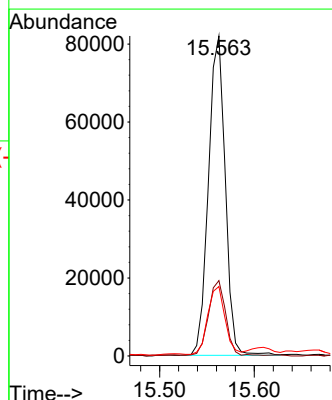
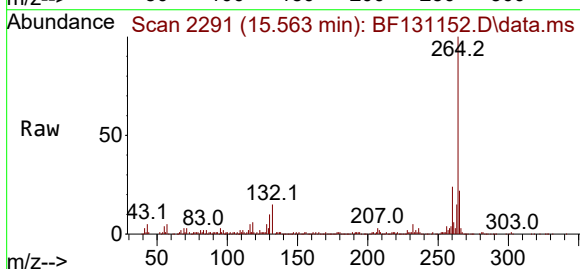
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

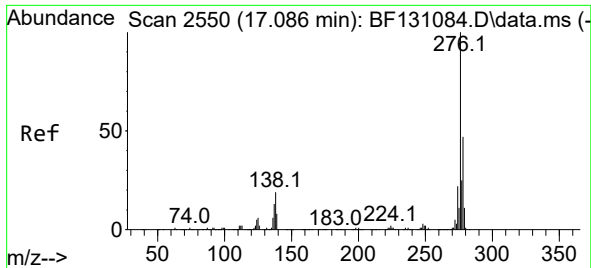
Tgt Ion:149 Resp: 39905
Ion Ratio Lower Upper
149 100
167 24.4 20.8 31.2
279 4.1 3.4 5.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:264 Resp: 101183
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 21.7 16.7 25.1

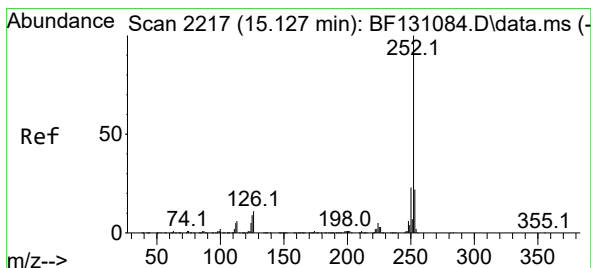
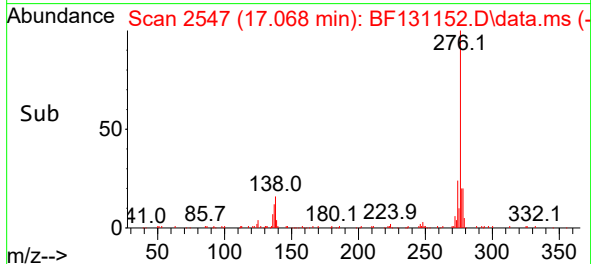
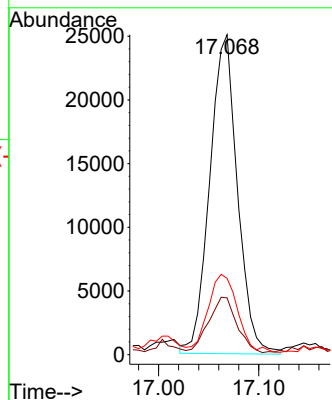
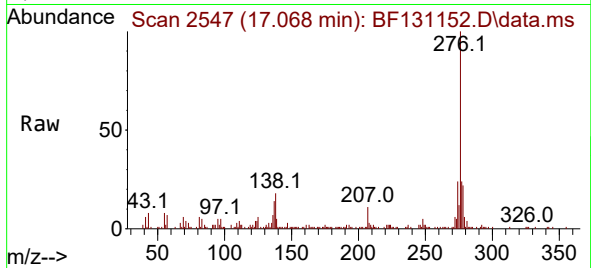




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.206 ng
 RT: 17.068 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

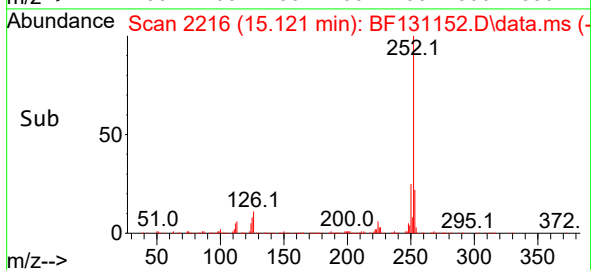
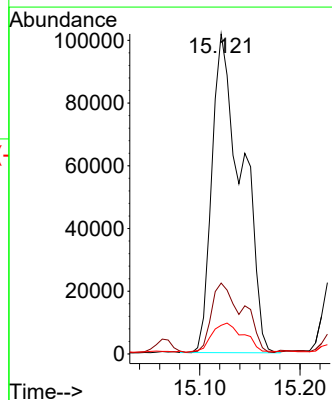
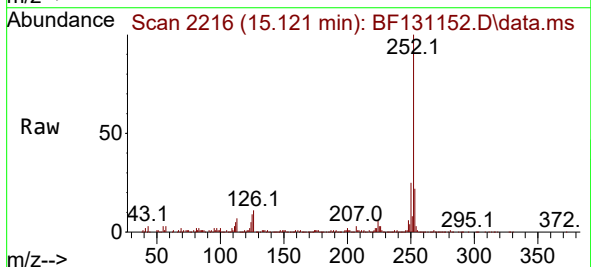
Instrument :
 BNA_F
 ClientSampleId :
 SB-16-20221028-5.0-6.0DL

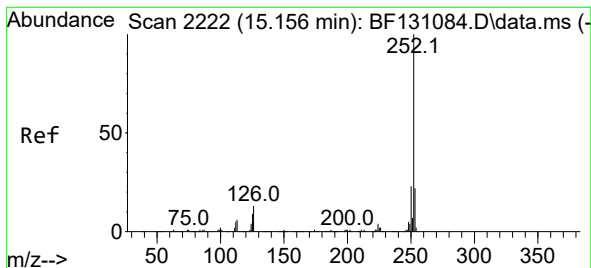
Tgt Ion:276 Resp: 48094
 Ion Ratio Lower Upper
 276 100
 138 17.7 16.9 25.3
 277 25.9 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 29.591 ng
 RT: 15.121 min Scan# 2216
 Delta R.T. -0.006 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

Tgt Ion:252 Resp: 211687
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.3 25.9
 125 8.9 7.2 10.8





#89

Benzo(k)fluoranthene

Concen: 30.787 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Instrument :

BNA_F

ClientSampleId :

SB-16-20221028-5.0-6.0DL

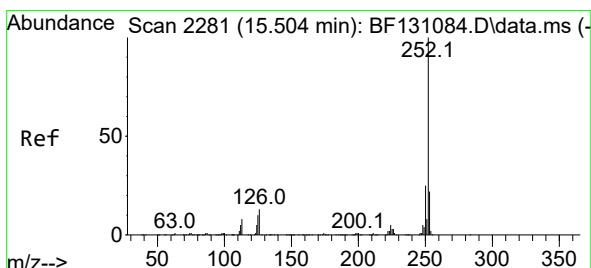
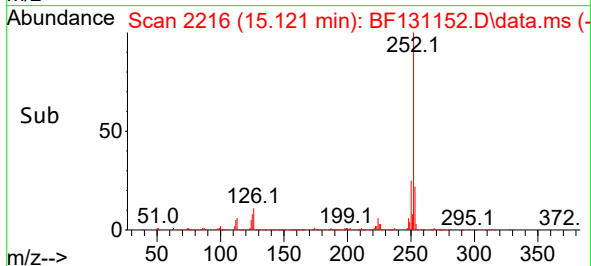
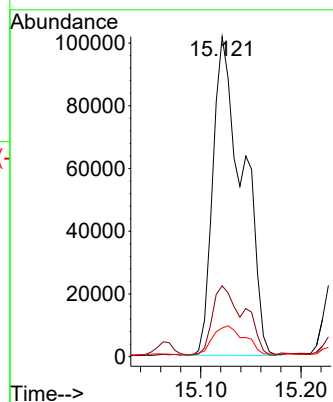
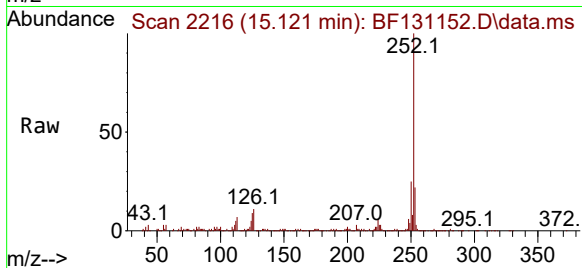
Tgt Ion:252 Resp: 211687

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 8.9 7.5 11.3



#90

Benzo(a)pyrene

Concen: 19.445 ng

RT: 15.498 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

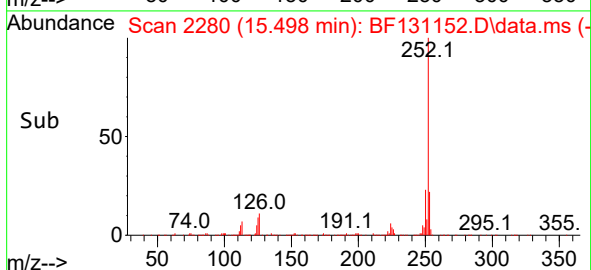
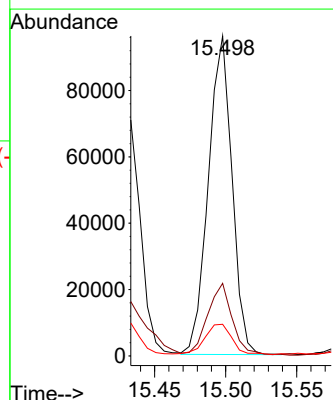
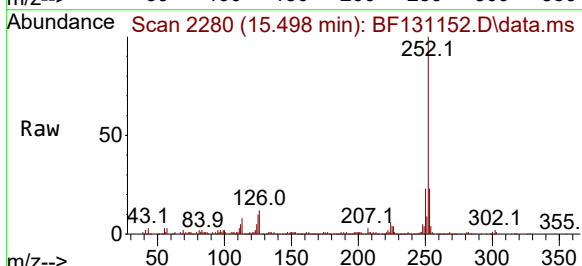
Tgt Ion:252 Resp: 111521

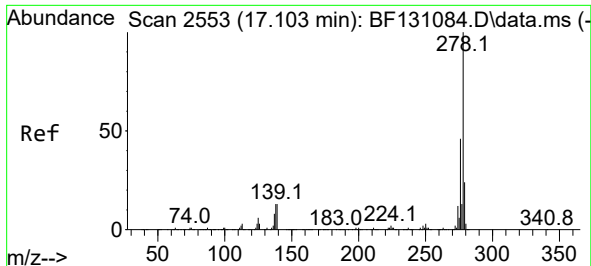
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 9.9 8.1 12.1

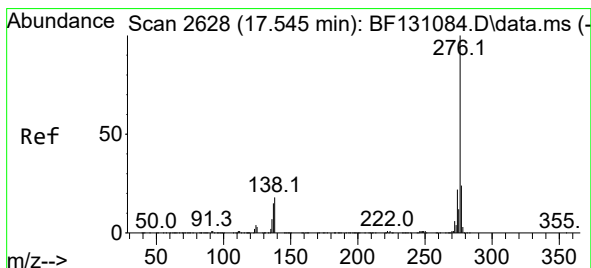
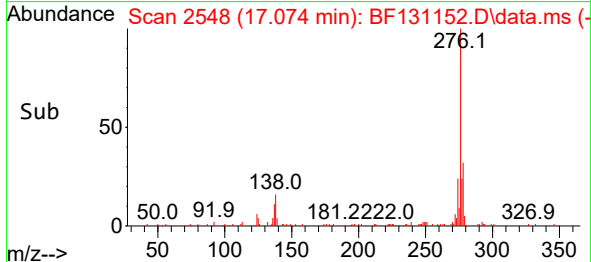
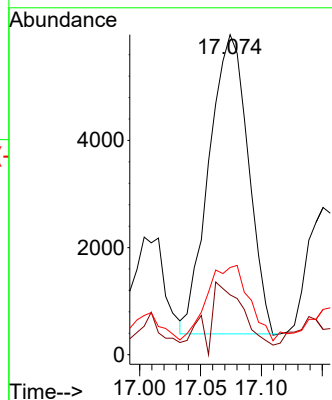
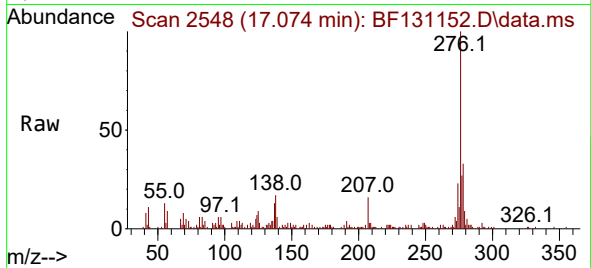




#91
Dibenzo(a,h)anthracene
Concen: 5.554 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

Tgt Ion:278 Resp: 12508
Ion Ratio Lower Upper
278 100
139 18.7 10.8 16.2#
279 27.3 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 9.906 ng
RT: 17.521 min Scan# 2624
Delta R.T. -0.024 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:276 Resp: 43369
Ion Ratio Lower Upper
276 100
277 27.1 19.0 28.4
138 19.0 14.6 21.8

