

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130333.D
 Acq On : 19 Sep 2022 22:04
 Operator : CG\JU
 Sample : N4630-16 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-4

Quant Time: Sep 20 02:30:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

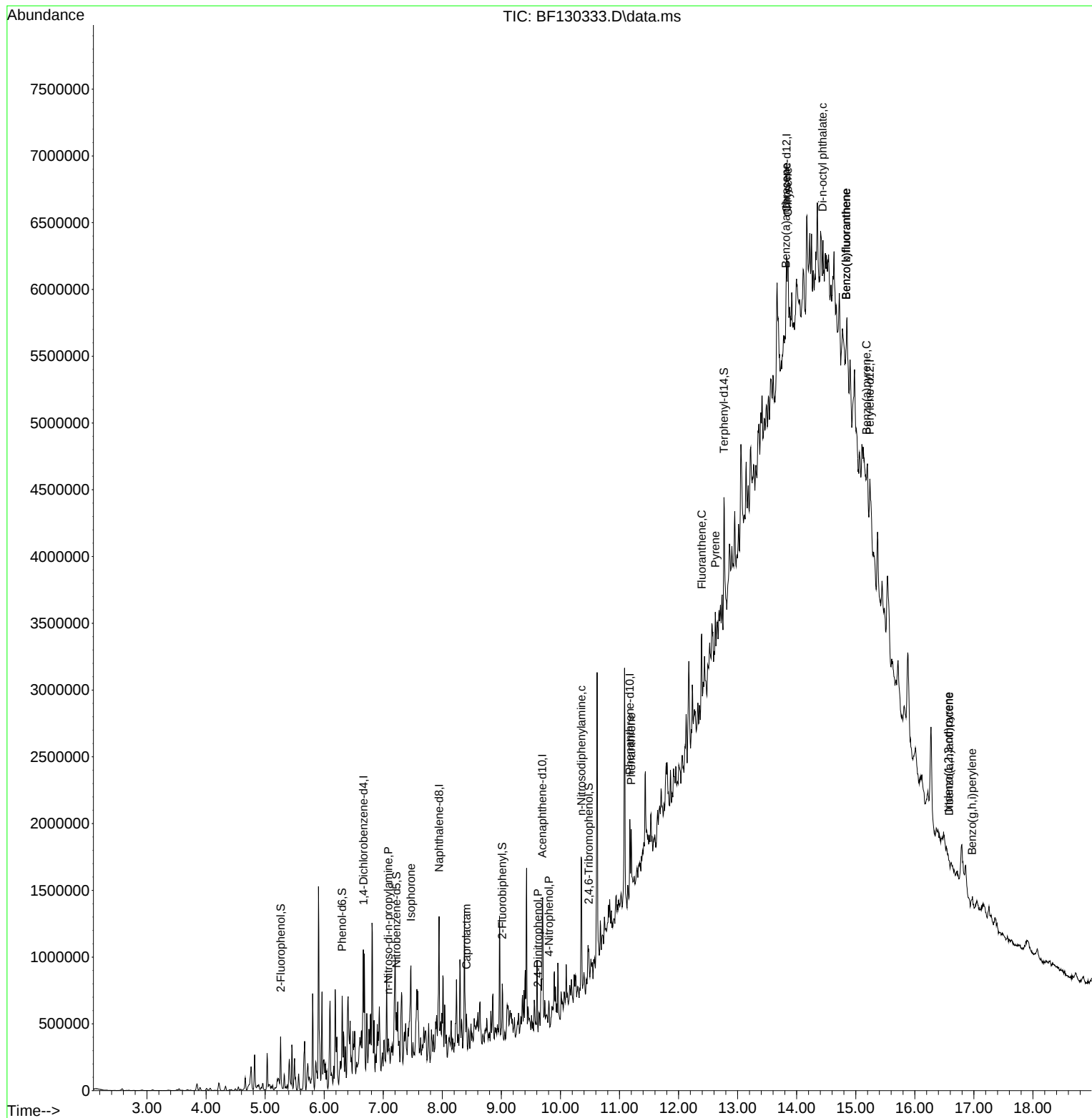
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.663	152	86194	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	296122	20.000	ng	0.00
39) Acenaphthene-d10	9.692	164	128953	20.000	ng	0.00
64) Phenanthrene-d10	11.174	188	205583	20.000	ng	# 0.00
76) Chrysene-d12	13.827	240	209731	20.000	ng	# 0.02
86) Perylene-d12	15.239	264	147799	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	101404	20.405	ng	0.00
7) Phenol-d6	6.304	99	117470	18.892	ng	0.00
23) Nitrobenzene-d5	7.222	82	80808	13.941	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	22769	18.427	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	114054	12.879	ng	0.00
79) Terphenyl-d14	12.768	244	132091	10.433	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.087	70	12666	3.019	ng	# 64
25) Isophorone	7.469	82	21874	2.341	ng	# 1
35) Caprolactam	8.410	113	4455	3.817	ng	# 1
54) 2,4-Dinitrophenol	9.622	184	68	6.316	ng	# 1
56) 4-Nitrophenol	9.804	139	3035	2.007	ng	# 1
66) n-Nitrosodiphenylamine	10.357	169	18729	2.726	ng	# 47
71) Phenanthrene	11.198	178	95097	8.239	ng	# 92
75) Fluoranthene	12.392	202	119609	10.724	ng	93
78) Pyrene	12.621	202	152849	8.331	ng	# 95
81) Benzo(a)anthracene	13.815	228	122357	8.770	ng	# 77
83) Chrysene	13.851	228	184390	13.919	ng	# 81
85) Di-n-octyl phthalate	14.439	149	23957	2.012	ng	# 72
87) Indeno(1,2,3-cd)pyrene	16.568	276	28071	2.678	ng	# 86
88) Benzo(b)fluoranthene	14.839	252	100513	10.419	ng	# 1
89) Benzo(k)fluoranthene	14.839	252	101685	10.716	ng	# 1
90) Benzo(a)pyrene	15.180	252	62752	8.211	ng	# 14
91) Dibenzo(a,h)anthracene	16.580	278	18757	2.182	ng	# 1
92) Benzo(g,h,i)perylene	16.968	276	36456	4.209	ng	# 73

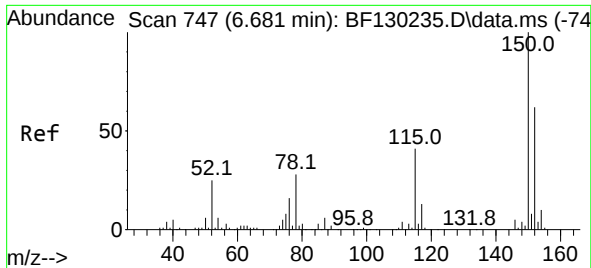
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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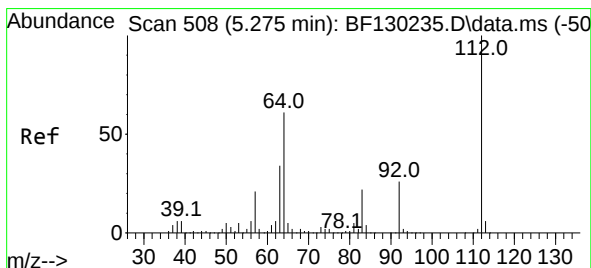
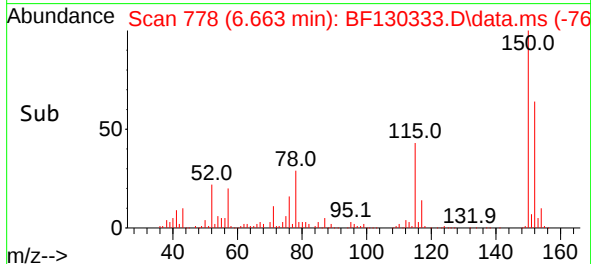
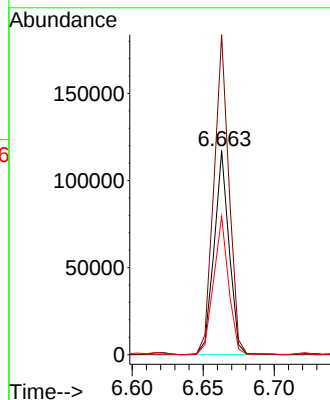
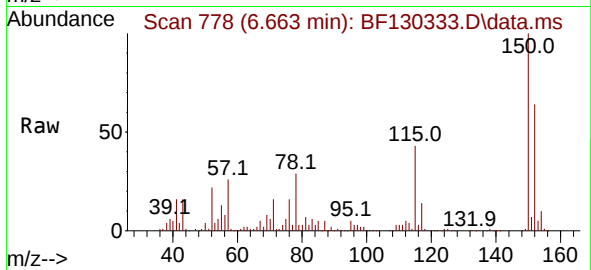




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

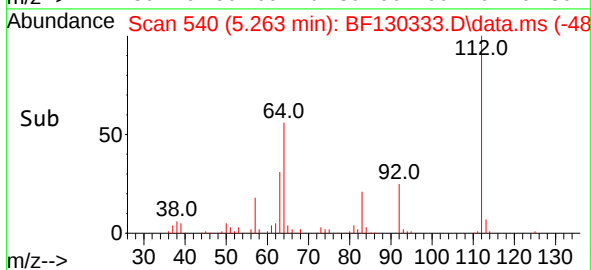
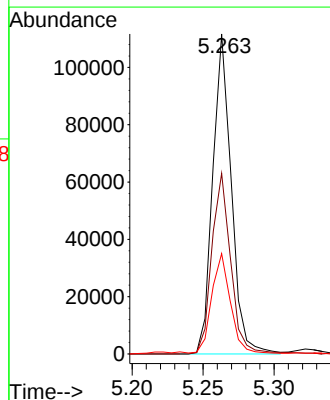
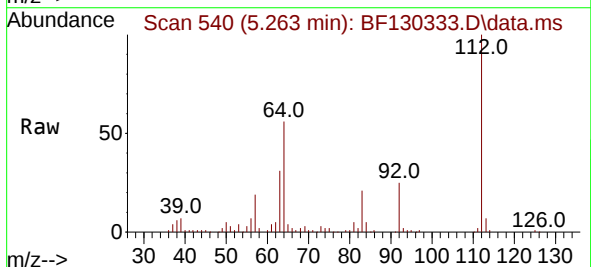
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

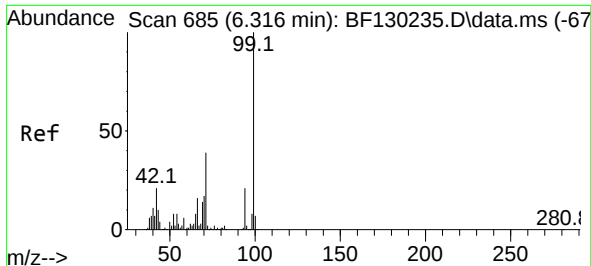
Tgt Ion:152 Resp: 86194
Ion Ratio Lower Upper
152 100
150 156.7 122.8 184.2
115 67.8 53.8 80.8



#5
2-Fluorophenol
Concen: 20.405 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:112 Resp: 101404
Ion Ratio Lower Upper
112 100
64 56.5 51.4 77.0
63 31.4 28.8 43.2

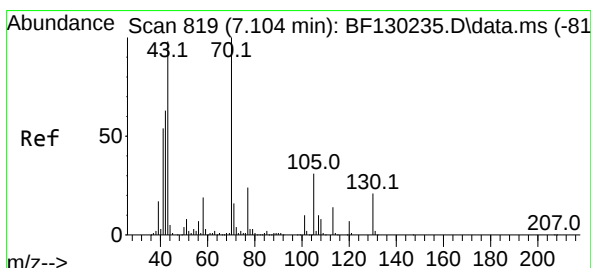
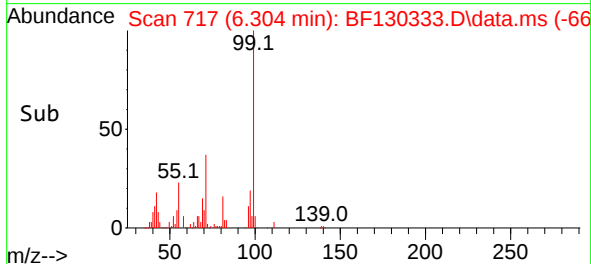
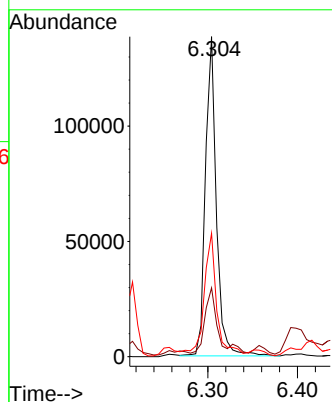
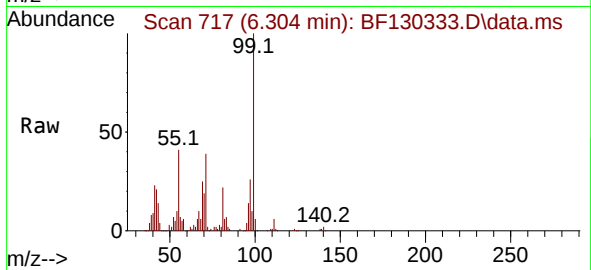




#7
Phenol-d6
Concen: 18.892 ng
RT: 6.304 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

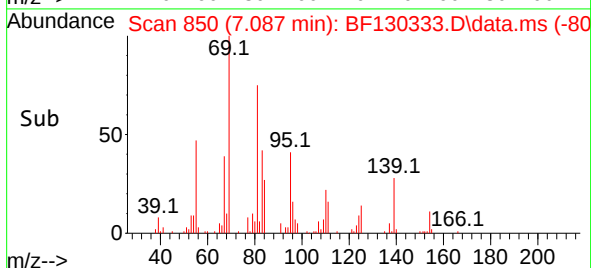
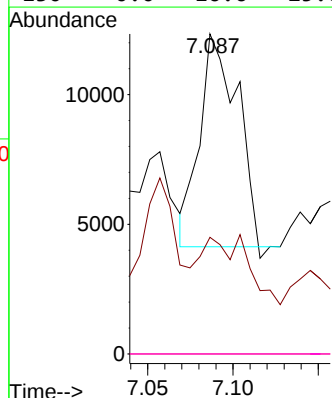
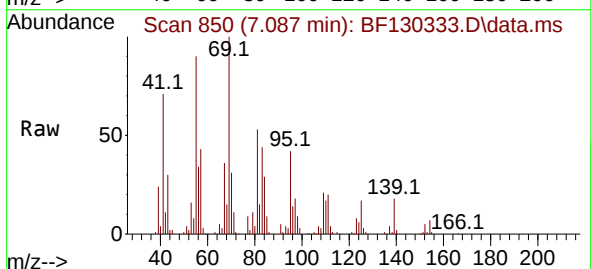
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

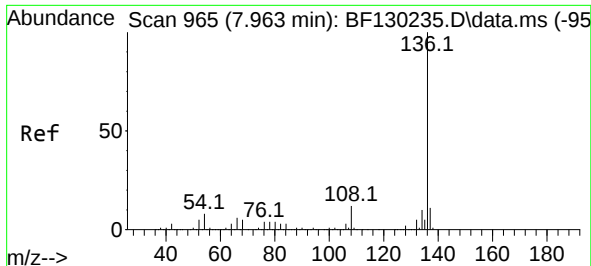
Tgt Ion: 99 Resp: 117470
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 38.6 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 3.019 ng
RT: 7.087 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion: 70 Resp: 12666
Ion Ratio Lower Upper
70 100
42 36.5 50.8 76.2#
101 0.0 8.2 12.4#
130 0.0 16.6 25.0#

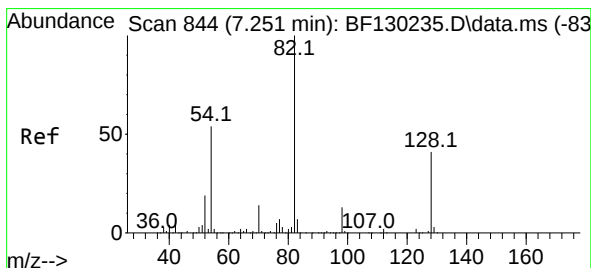
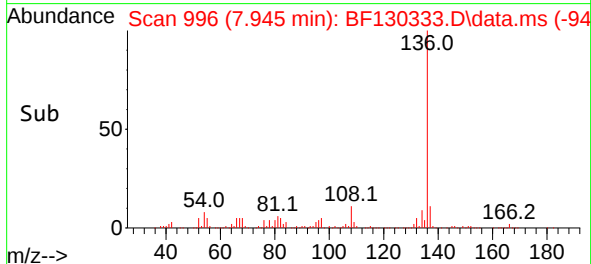
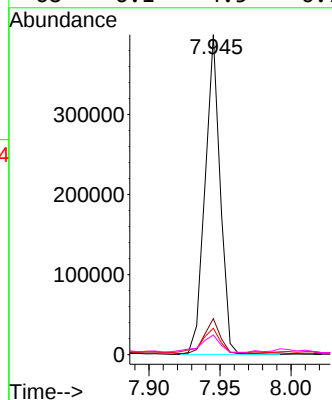
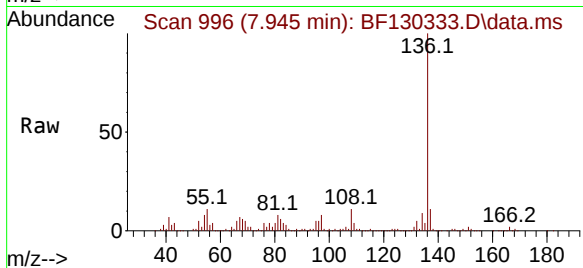




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

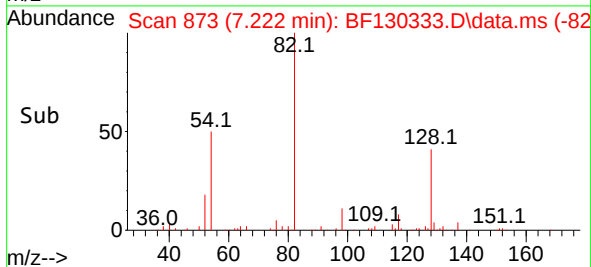
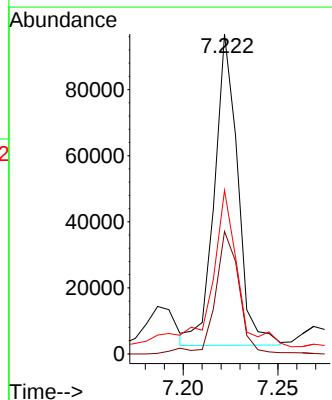
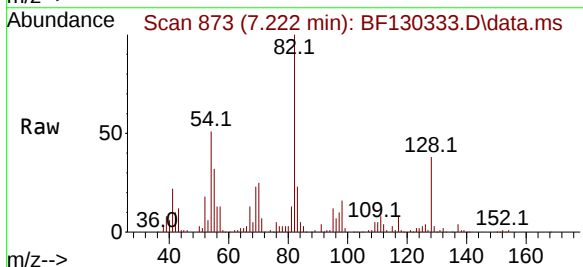
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

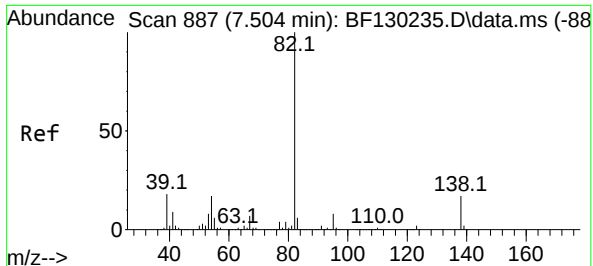
Tgt Ion:	136	Resp:	296122
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.2	7.1	10.7
68	6.1	4.5	6.7



#23
Nitrobenzene-d5
Concen: 13.941 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:	82	Resp:	80808
Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.6	49.0
54	51.2	43.8	65.6

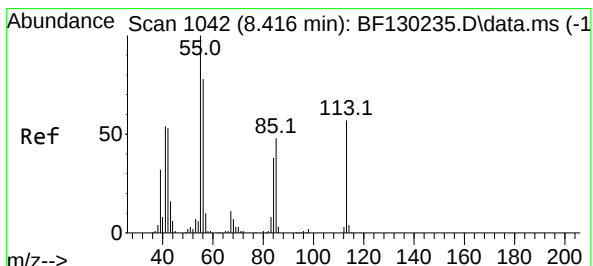
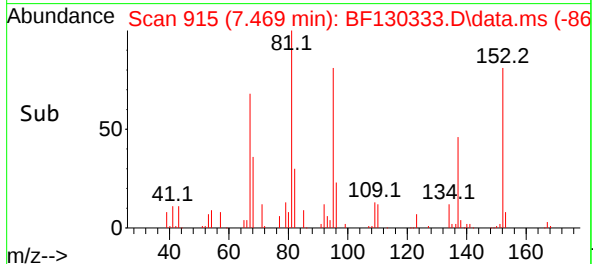
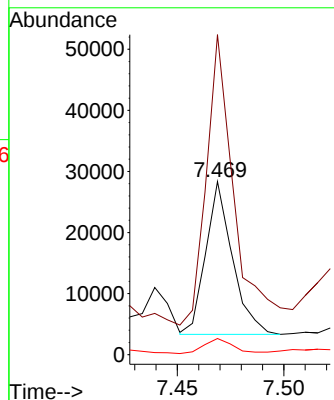
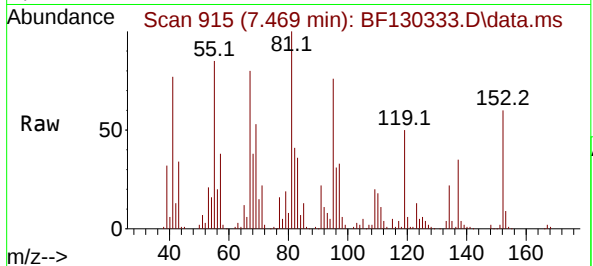




#25
Isophorone
Concen: 2.341 ng
RT: 7.469 min Scan# 91
Delta R.T. -0.024 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

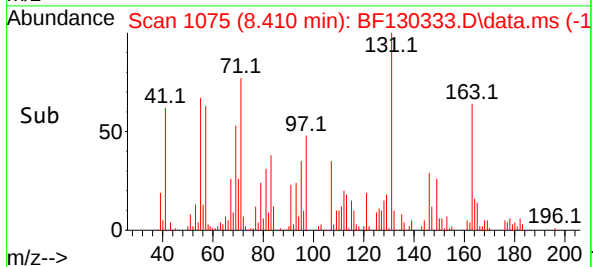
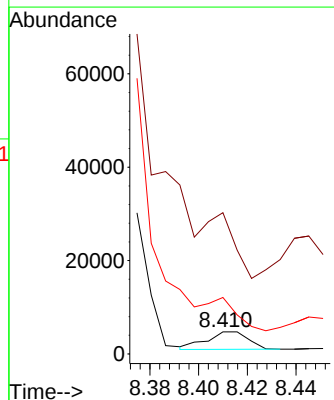
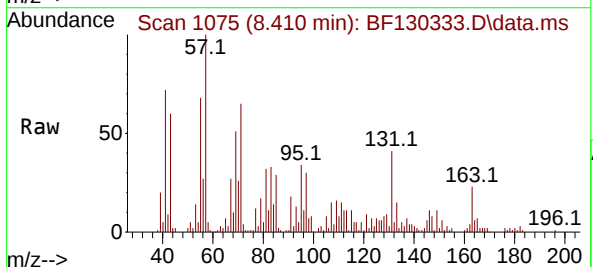
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

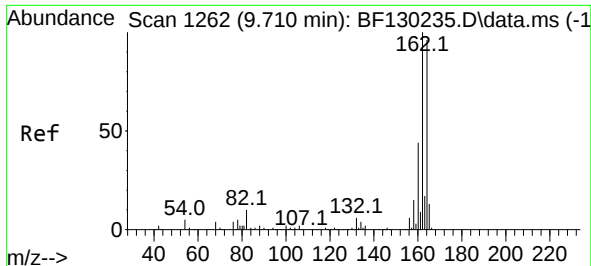
Tgt Ion: 82 Resp: 21874
Ion Ratio Lower Upper
82 100
95 184.8 6.4 9.6#
138 9.3 13.8 20.6#



#35
Caprolactam
Concen: 3.817 ng
RT: 8.410 min Scan# 1075
Delta R.T. 0.006 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion: 113 Resp: 4455
Ion Ratio Lower Upper
113 100
55 637.1 155.4 195.4#
56 254.7 120.4 160.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

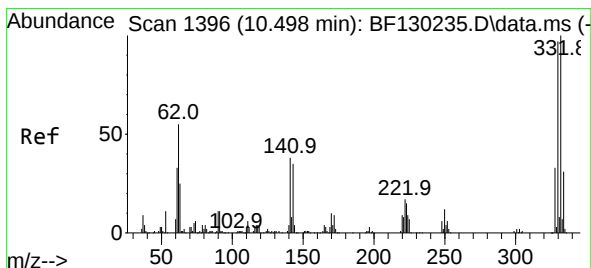
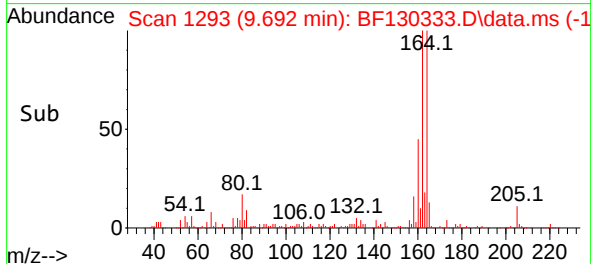
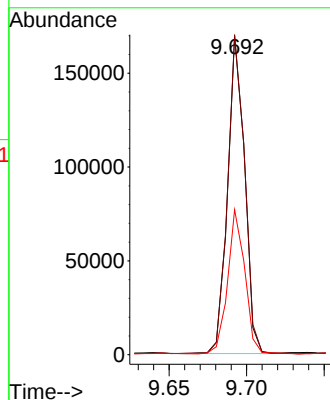
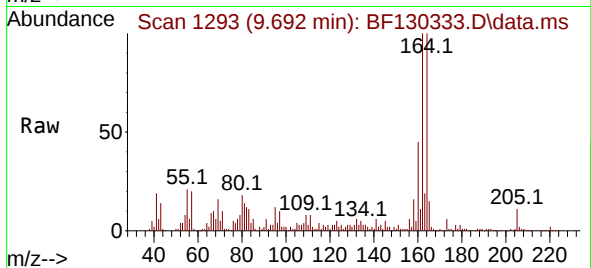
Tgt Ion:164 Resp: 128953

Ion Ratio Lower Upper

164 100

162 100.5 81.4 122.0

160 45.5 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 18.427 ng

RT: 10.480 min Scan# 1427

Delta R.T. -0.000 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

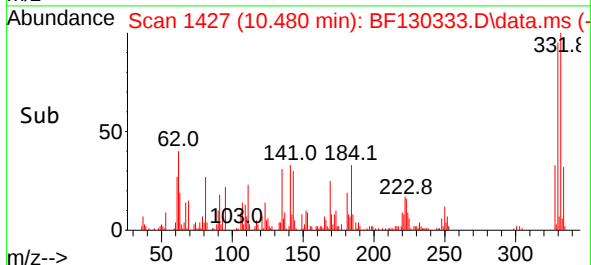
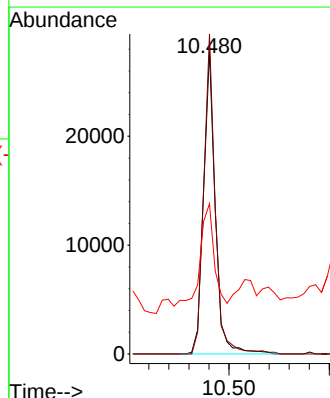
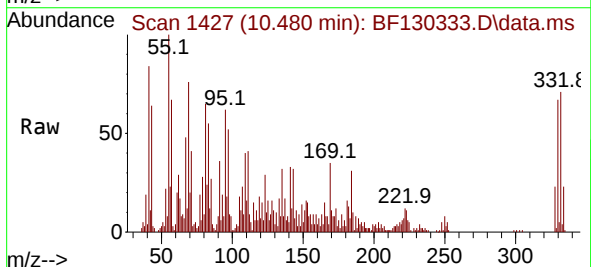
Tgt Ion:330 Resp: 22769

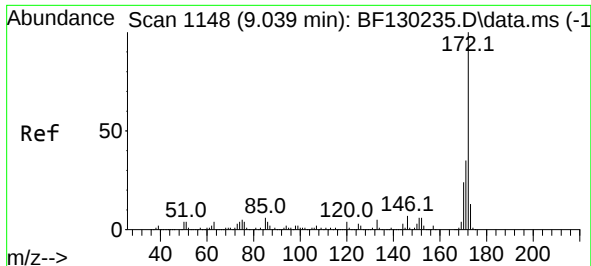
Ion Ratio Lower Upper

330 100

332 102.7 83.4 125.2

141 39.5 34.0 51.0



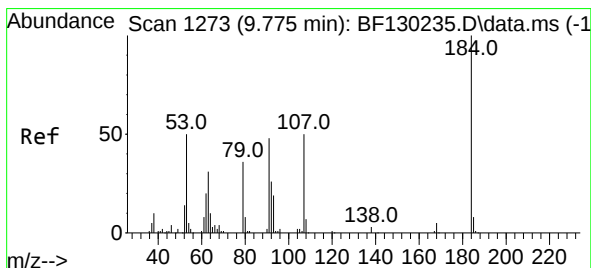
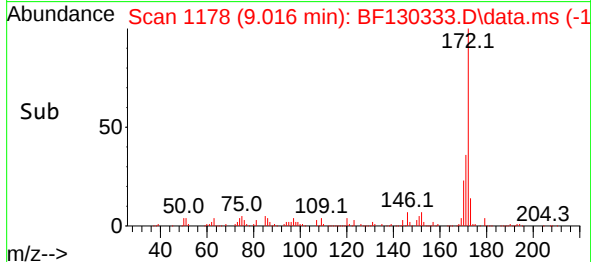
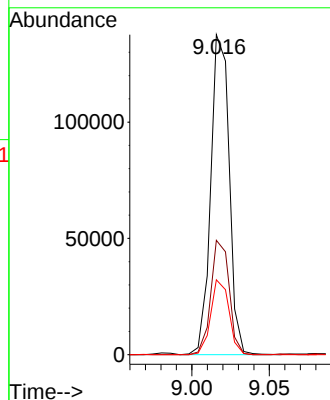
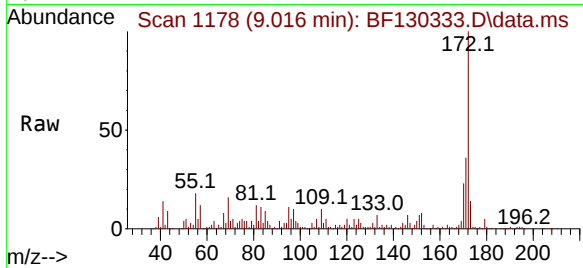


#45
2-Fluorobiphenyl
Concen: 12.879 ng
RT: 9.016 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

Tgt Ion:172 Resp: 114054

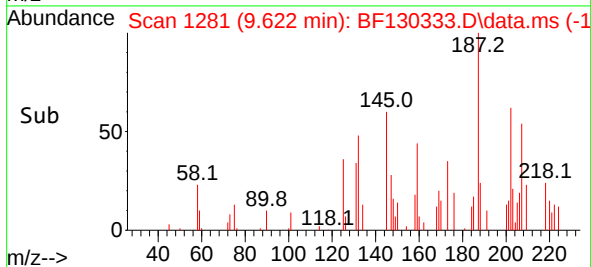
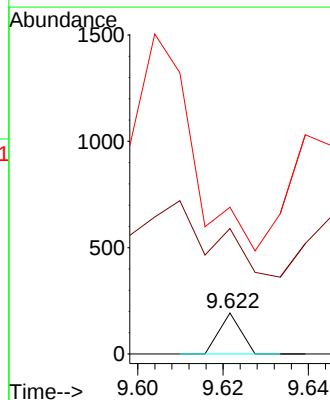
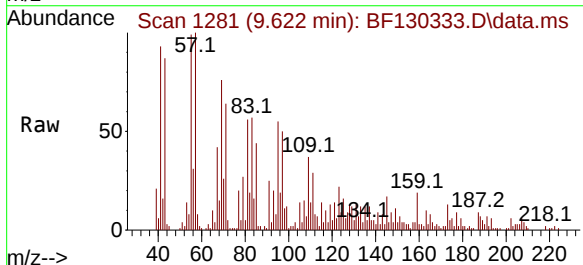
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.4	18.7	28.1

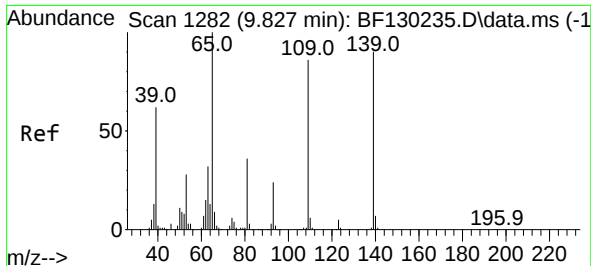


#54
2,4-Dinitrophenol
Concen: 6.316 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.135 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:184 Resp: 68

Ion	Ratio	Lower	Upper
184	100		
63	305.7	70.0	105.0#
154	357.5	63.0	94.6#

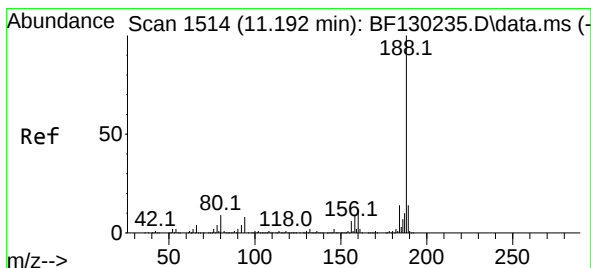
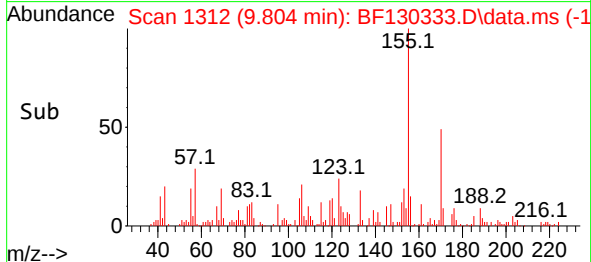
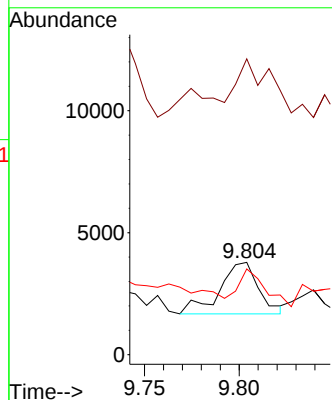
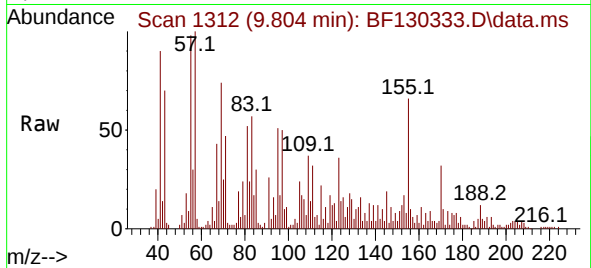




#56
4-Nitrophenol
Concen: 2.007 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

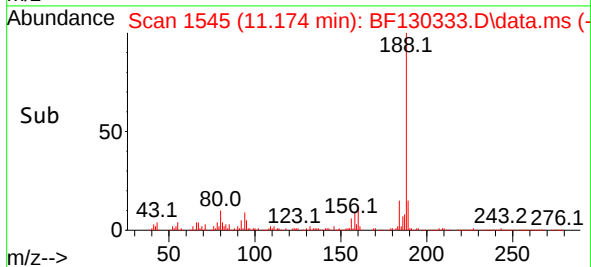
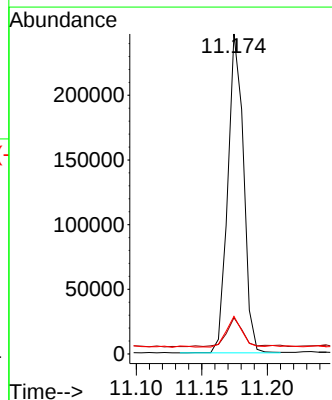
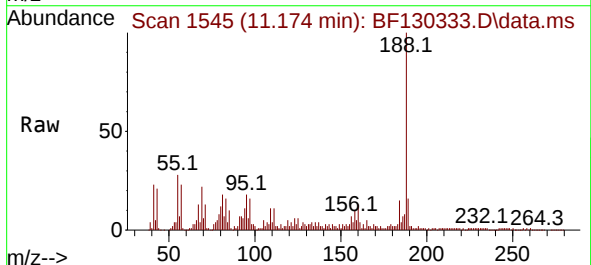
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

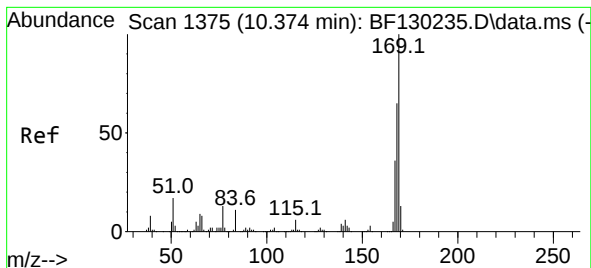
Tgt Ion:139 Resp: 3035
Ion Ratio Lower Upper
139 100
109 320.5 72.2 112.2#
65 93.0 97.7 137.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.174 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:188 Resp: 205583
Ion Ratio Lower Upper
188 100
94 11.3 7.4 11.2#
80 11.7 7.9 11.9

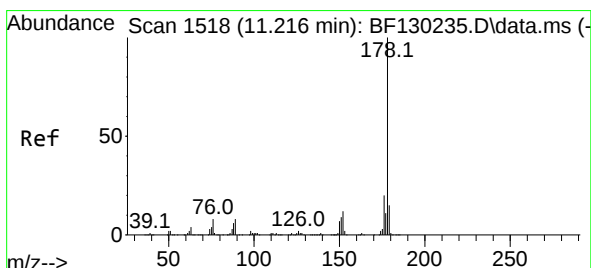
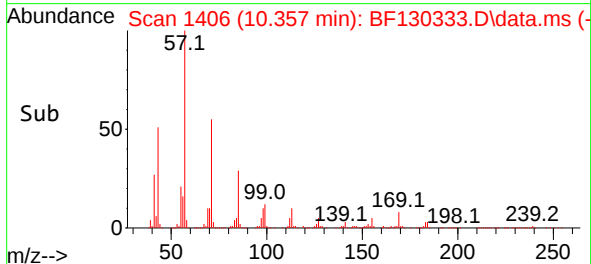
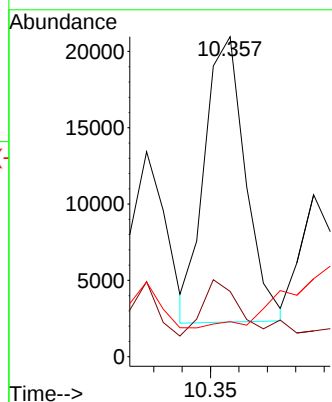
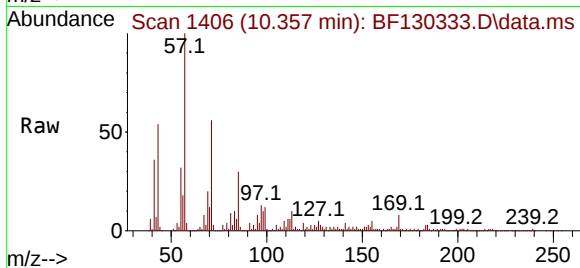




#66
n-Nitrosodiphenylamine
Concen: 2.726 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

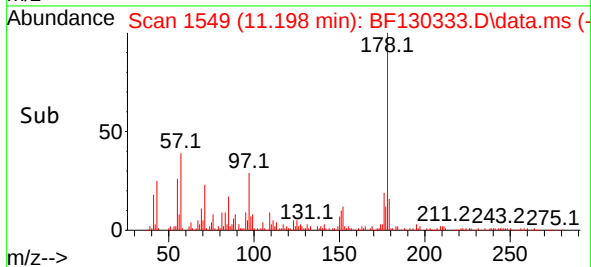
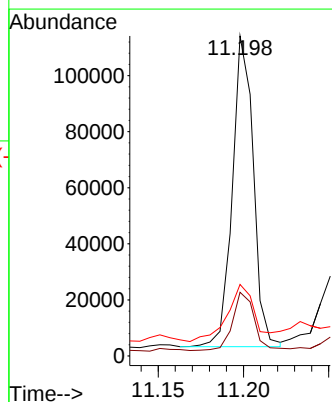
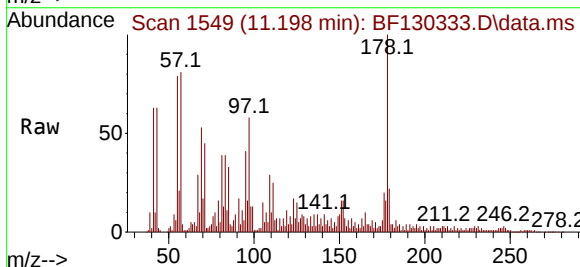
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

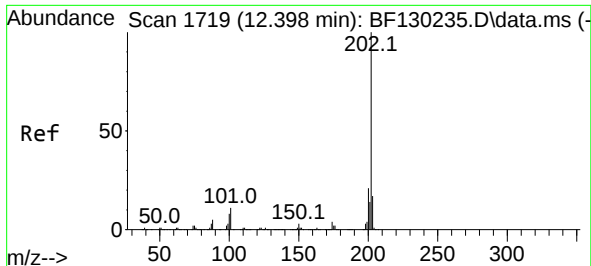
Tgt Ion:169 Resp: 18729
Ion Ratio Lower Upper
169 100
168 20.4 53.2 79.8#
167 10.9 29.2 43.8#



#71
Phenanthrene
Concen: 8.239 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:178 Resp: 95097
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 22.4 12.4 18.6#

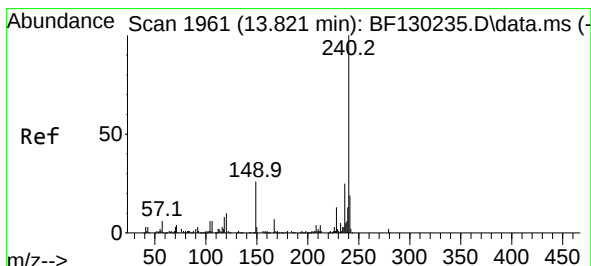
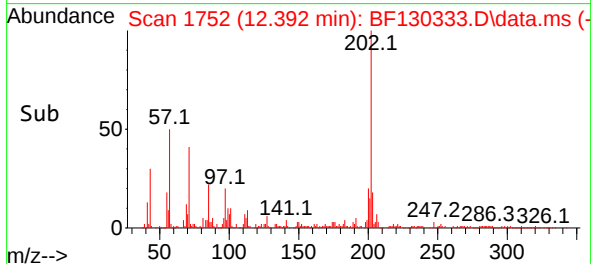
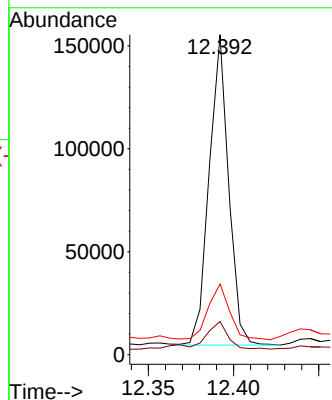
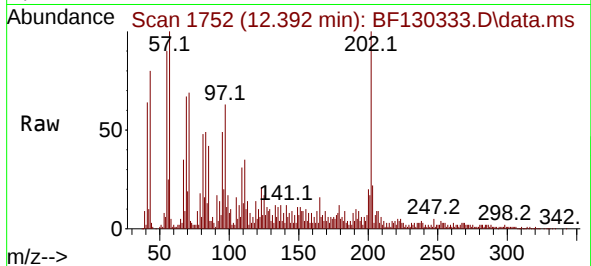




#75
Fluoranthene
Concen: 10.724 ng
RT: 12.392 min Scan# 1752
Delta R.T. 0.012 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

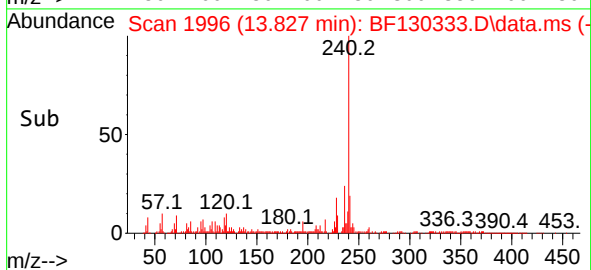
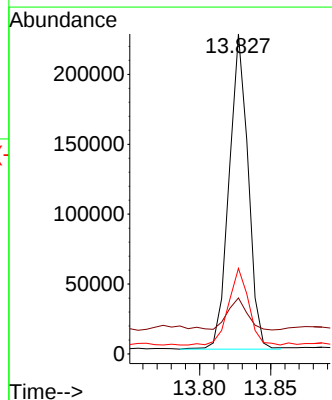
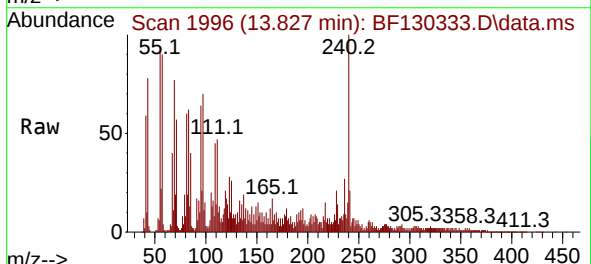
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

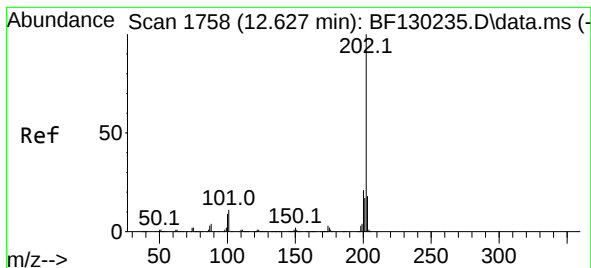
Tgt Ion:202 Resp: 119609
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.8
203 22.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.827 min Scan# 1996
Delta R.T. 0.024 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:240 Resp: 209731
Ion Ratio Lower Upper
240 100
120 17.5 8.7 13.1#
236 26.8 20.9 31.3





#78

Pyrene

Concen: 8.331 ng

RT: 12.621 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

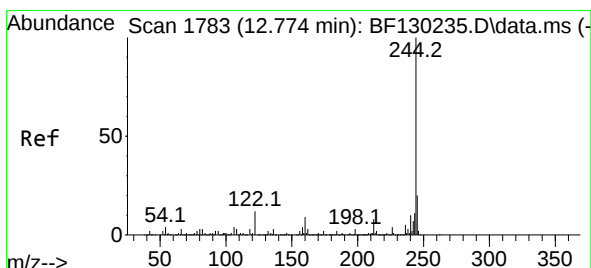
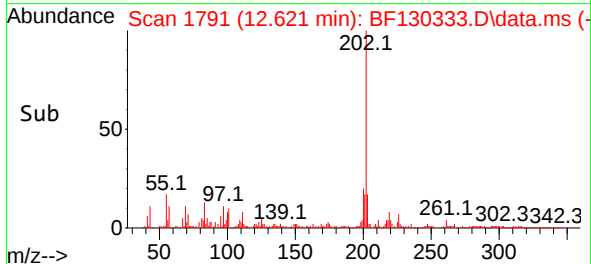
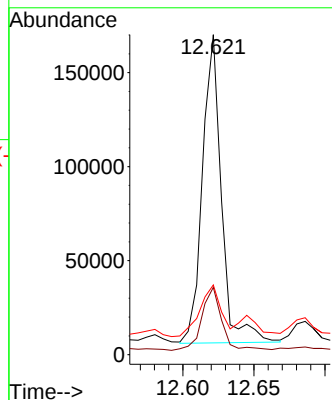
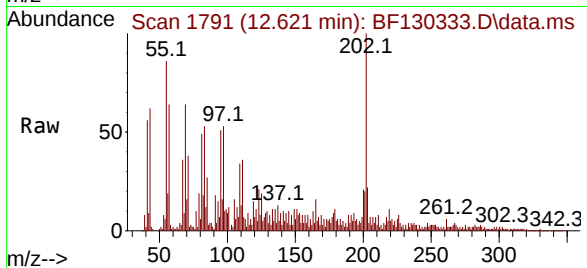
Tgt Ion:202 Resp: 152849

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 21.8 14.3 21.5#



#79

Terphenyl-d14

Concen: 10.433 ng

RT: 12.768 min Scan# 1816

Delta R.T. 0.012 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

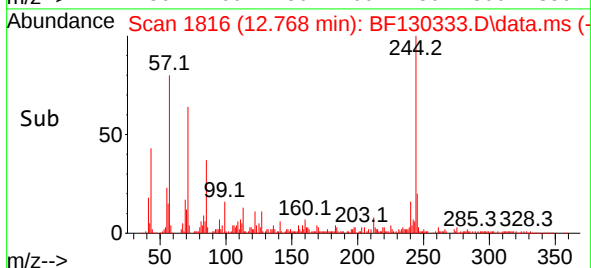
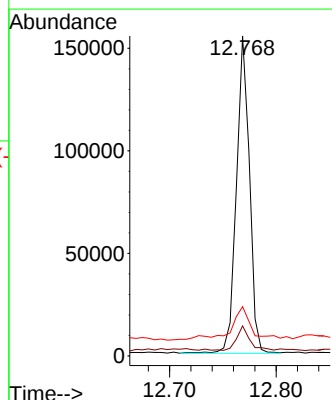
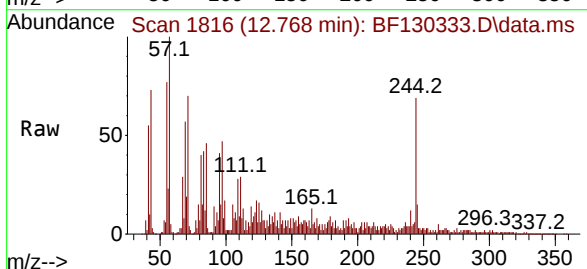
Tgt Ion:244 Resp: 132091

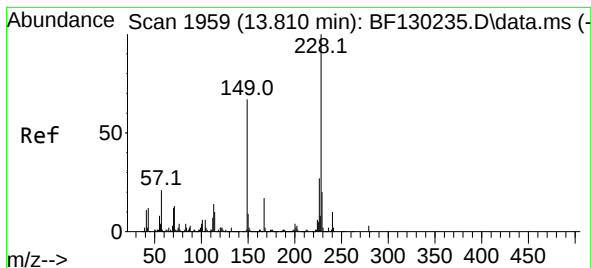
Ion Ratio Lower Upper

244 100

212 9.4 5.9 8.9#

122 15.4 8.5 12.7#





#81

Benzo(a)anthracene

Concen: 8.770 ng

RT: 13.815 min Scan# 1959

Delta R.T. 0.024 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

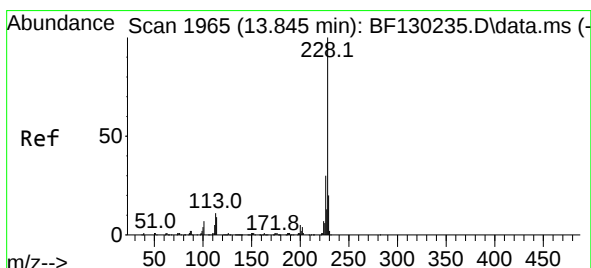
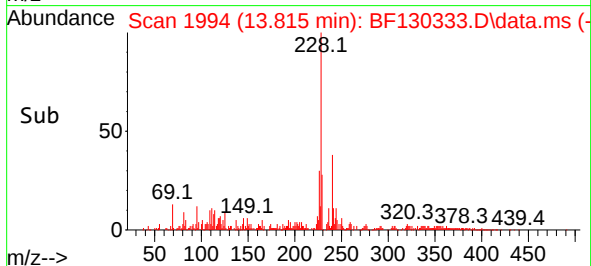
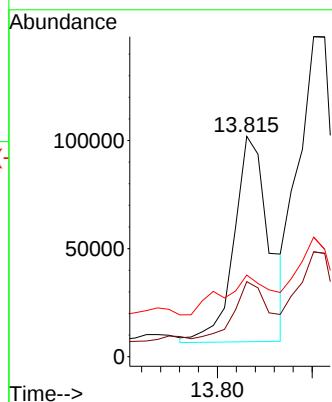
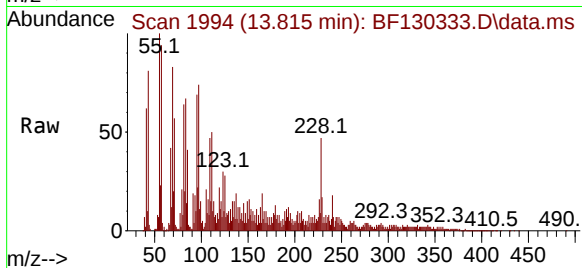
Tgt Ion:228 Resp: 122357

Ion Ratio Lower Upper

228 100

226 34.1 21.9 32.9#

229 37.0 16.1 24.1#



#83

Chrysene

Concen: 13.919 ng

RT: 13.851 min Scan# 2000

Delta R.T. 0.024 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

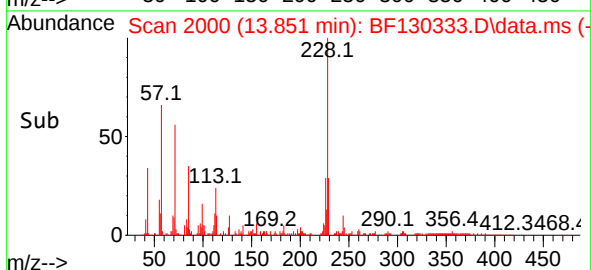
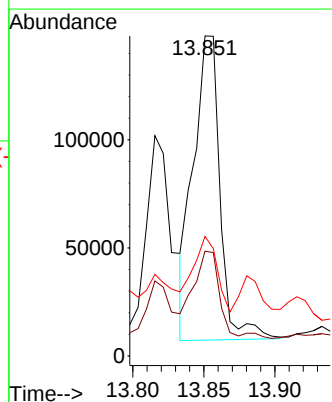
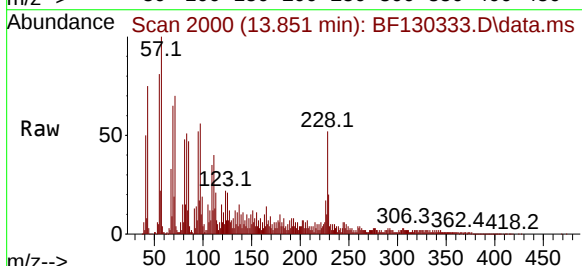
Tgt Ion:228 Resp: 184390

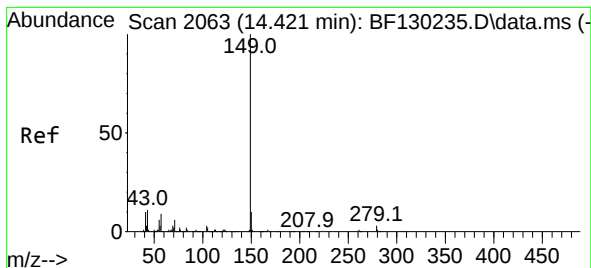
Ion Ratio Lower Upper

228 100

226 32.7 23.8 35.8

229 37.3 15.3 22.9#





#85

Di-n-octyl phthalate

Concen: 2.012 ng

RT: 14.439 min Scan# 2100

Delta R.T. 0.035 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

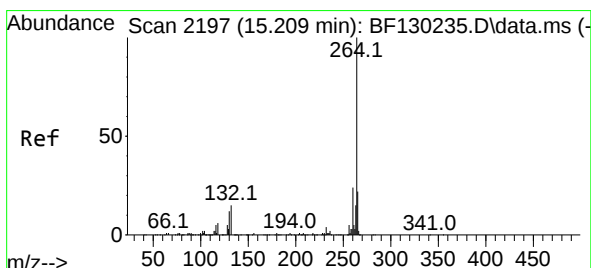
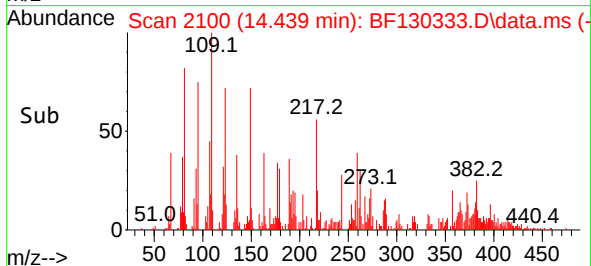
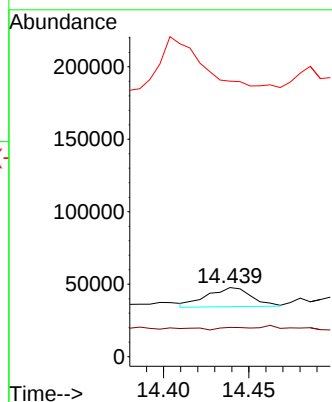
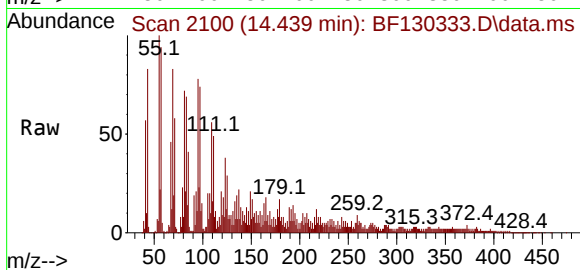
Tgt Ion:149 Resp: 23957

Ion Ratio Lower Upper

149 100

167 8.9 1.2 1.8#

43 0.0 8.7 13.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.239 min Scan# 2236

Delta R.T. 0.053 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

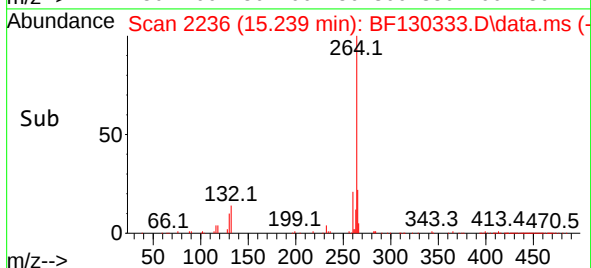
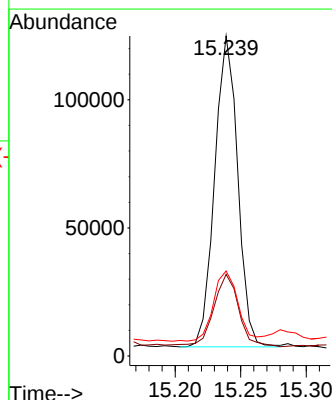
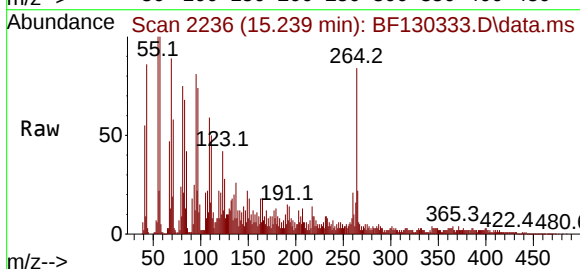
Tgt Ion:264 Resp: 147799

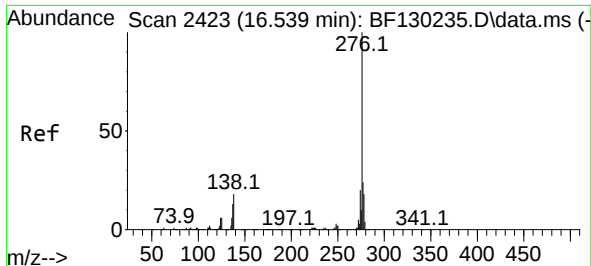
Ion Ratio Lower Upper

264 100

260 25.5 19.3 28.9

265 26.5 17.0 25.4#

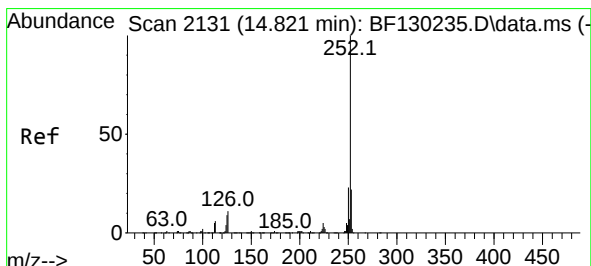
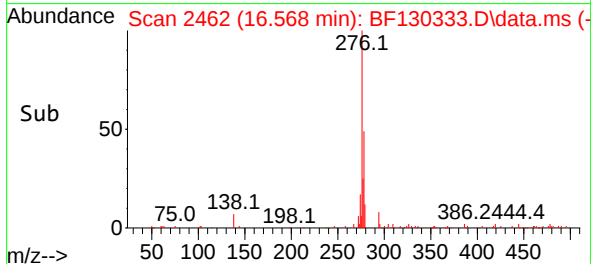
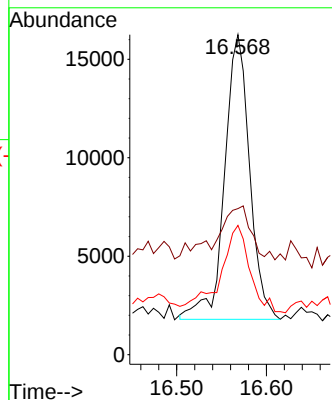
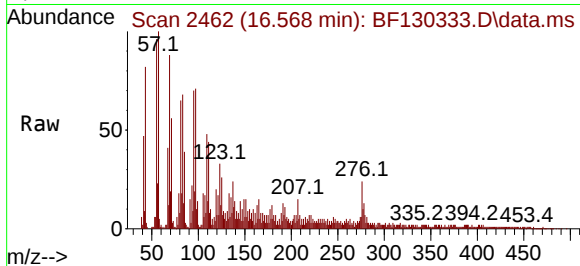




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.678 ng
RT: 16.568 min Scan# 2423
Delta R.T. 0.059 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

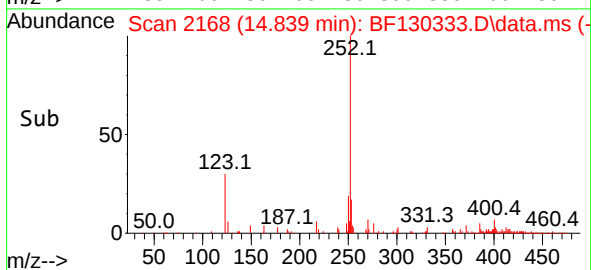
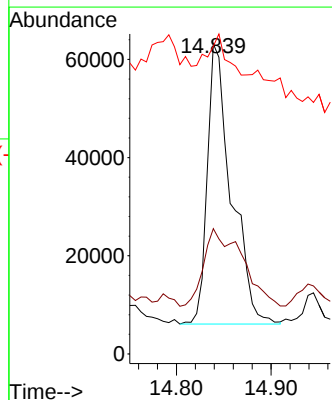
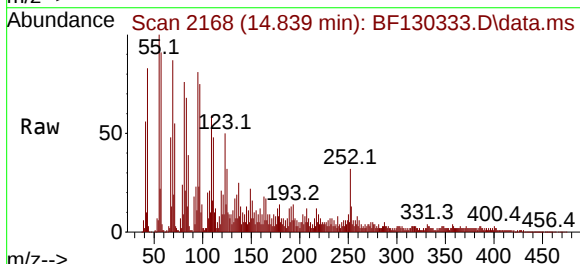
Instrument :
BNA_F
ClientSampleId :
WC-17-4-4

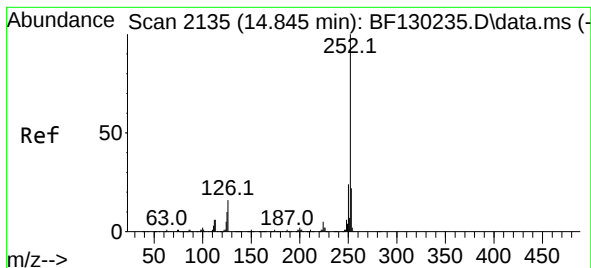
Tgt Ion:276 Resp: 28071
Ion Ratio Lower Upper
276 100
138 20.4 18.5 27.7
277 36.7 20.2 30.4#



#88
Benzo(b)fluoranthene
Concen: 10.419 ng
RT: 14.839 min Scan# 2168
Delta R.T. 0.041 min
Lab File: BF130333.D
Acq: 19 Sep 2022 22:04

Tgt Ion:252 Resp: 100513
Ion Ratio Lower Upper
252 100
253 40.4 17.7 26.5#
125 99.2 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 10.716 ng

RT: 14.839 min Scan# 2168

Delta R.T. 0.012 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

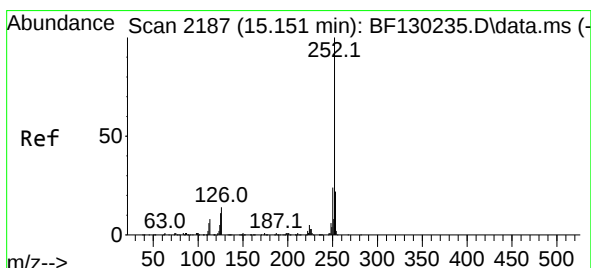
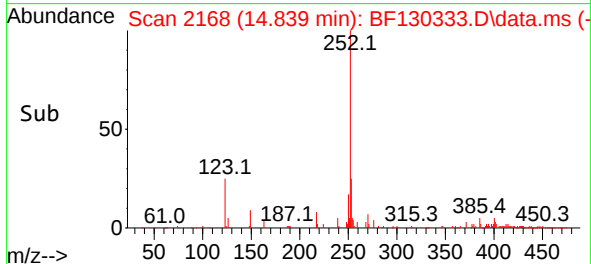
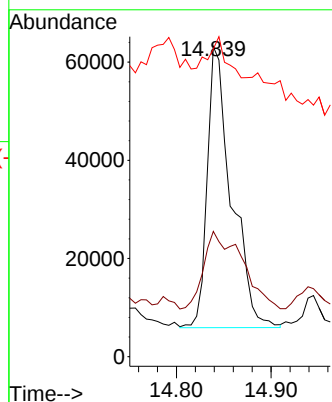
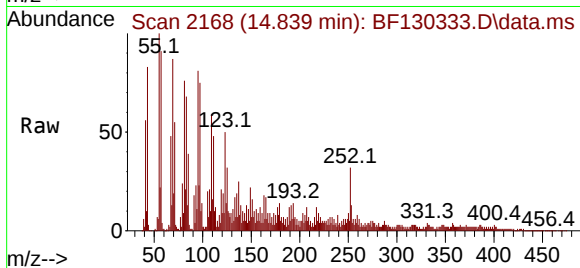
Tgt Ion:252 Resp: 101685

Ion Ratio Lower Upper

252 100

253 40.4 17.4 26.2#

125 99.2 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 8.211 ng

RT: 15.180 min Scan# 2226

Delta R.T. 0.047 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

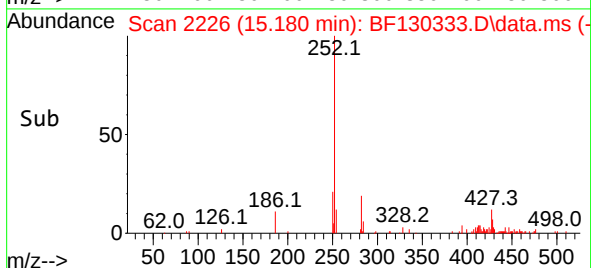
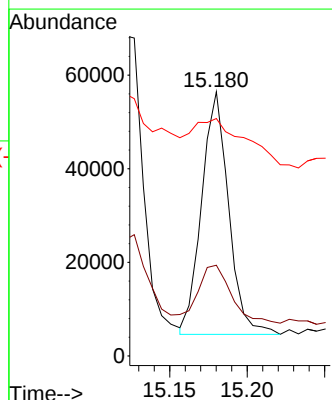
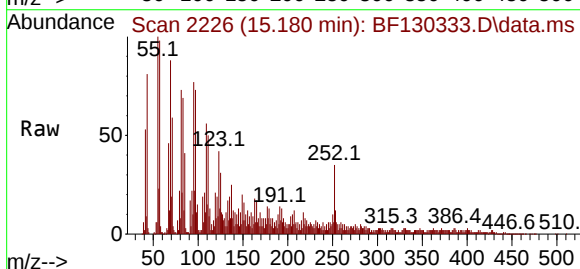
Tgt Ion:252 Resp: 62752

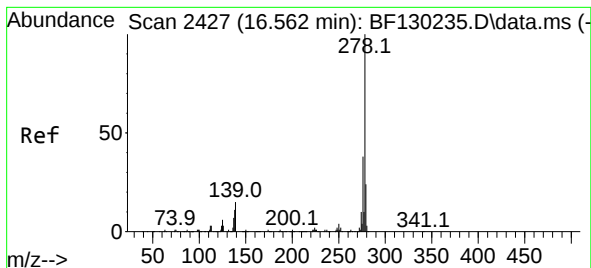
Ion Ratio Lower Upper

252 100

253 34.3 17.8 26.6#

125 89.9 9.0 13.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.182 ng

RT: 16.580 min Scan# 24

Delta R.T. 0.053 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Instrument :

BNA_F

ClientSampleId :

WC-17-4-4

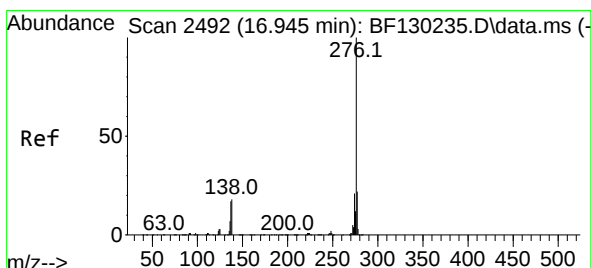
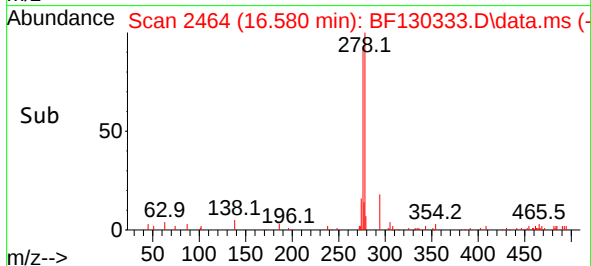
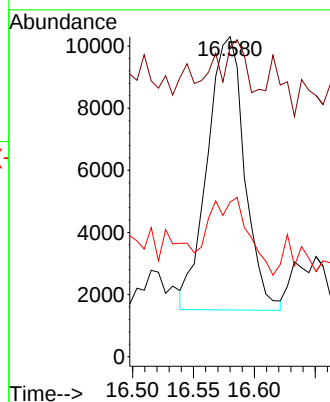
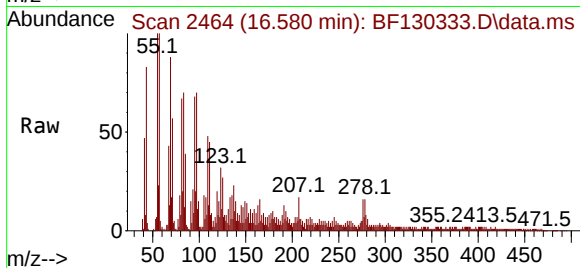
Tgt Ion:278 Resp: 18757

Ion Ratio Lower Upper

278 100

139 96.8 11.8 17.8#

279 48.3 19.4 29.0#



#92

Benzo(g,h,i)perylene

Concen: 4.209 ng

RT: 16.968 min Scan# 2530

Delta R.T. 0.059 min

Lab File: BF130333.D

Acq: 19 Sep 2022 22:04

Tgt Ion:276 Resp: 36456

Ion Ratio Lower Upper

276 100

277 32.3 18.6 27.8#

138 34.8 14.6 21.8#

