

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132985.D
 Acq On : 21 Apr 2023 23:42
 Operator : CG\JU
 Sample : 02389-23 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-6WC-23-04-17

Quant Time: Apr 22 04:32:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

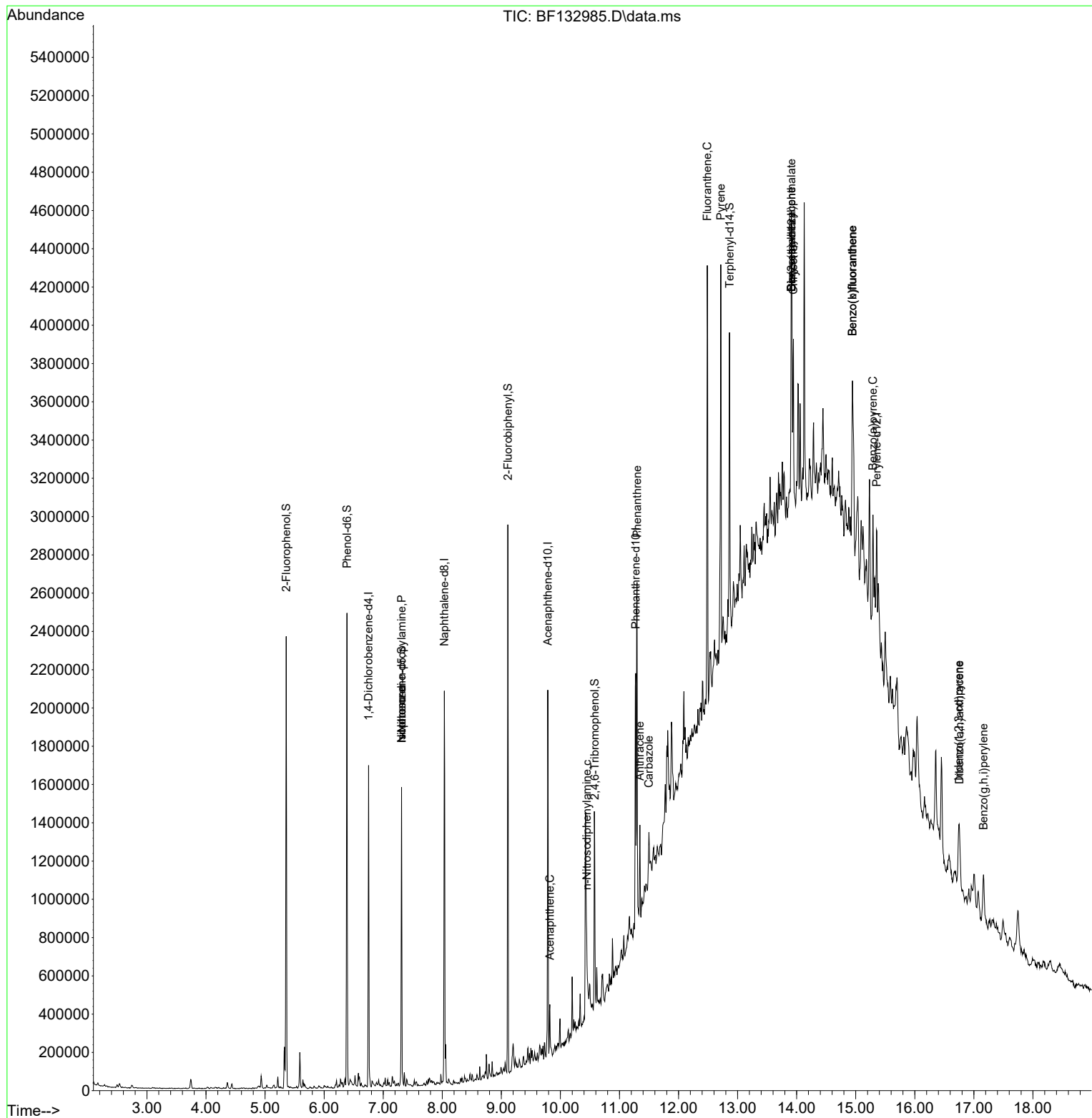
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	207958	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	792464	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	347238	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	524161	20.000	ng	0.00
76) Chrysene-d12	13.916	240	321056	20.000	ng	# 0.00
86) Perylene-d12	15.357	264	282169	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	591335	42.955	ng	0.00
7) Phenol-d6	6.387	99	709868	41.544	ng	0.00
23) Nitrobenzene-d5	7.310	82	396178	26.985	ng	-0.01
42) 2,4,6-Tribromophenol	10.581	330	116223	33.281	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	740086	35.657	ng	0.00
79) Terphenyl-d14	12.863	244	558878	30.022	ng	0.00
Target Compounds						
9) Benzaldehyde	6.293	77	6305	Below Cal		Qvalue 93
19) n-Nitroso-di-n-propyla...	7.310	70	51849	4.874	ng	# 80
25) Isophorone	7.310	82	395240	14.179	ng	# 63
52) Acenaphthene	9.822	154	54301	2.518	ng	98
66) n-Nitrosodiphenylamine	10.445	169	39996	2.352	ng	96
71) Phenanthrene	11.298	178	661829	23.492	ng	100
72) Anthracene	11.345	178	161410	5.598	ng	99
73) Carbazole	11.498	167	87760	3.419	ng	# 94
75) Fluoranthene	12.486	202	985078	34.841	ng	99
78) Pyrene	12.716	202	877730	31.892	ng	98
81) Benzo(a)anthracene	13.910	228	409773	18.560	ng	96
83) Chrysene	13.945	228	413794	18.747	ng	96
84) Bis(2-ethylhexyl)phtha...	13.910	149	101887	8.330	ng	99
87) Indeno(1,2,3-cd)pyrene	16.745	276	191647	11.940	ng	99
88) Benzo(b)fluoranthene	14.945	252	605783	33.746	ng	# 88
89) Benzo(k)fluoranthene	14.945	252	605783	34.043	ng	# 88
90) Benzo(a)pyrene	15.292	252	286901	17.559	ng	# 89
91) Dibenzo(a,h)anthracene	16.757	278	51764	3.867	ng	# 74
92) Benzo(g,h,i)perylene	17.162	276	187578	14.193	ng	98

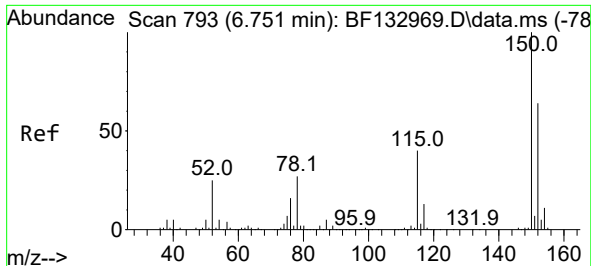
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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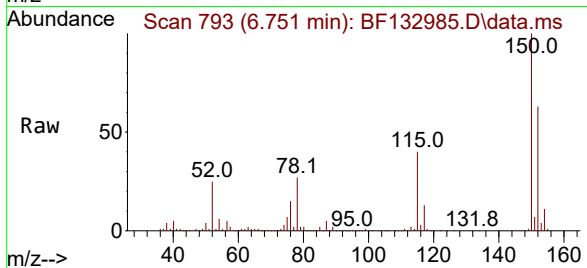
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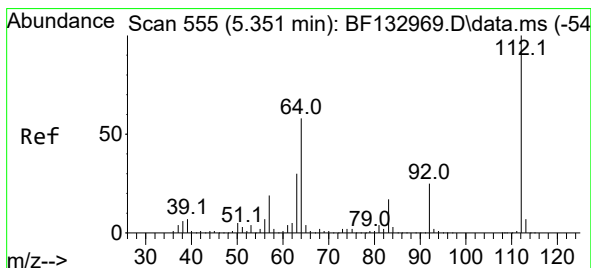
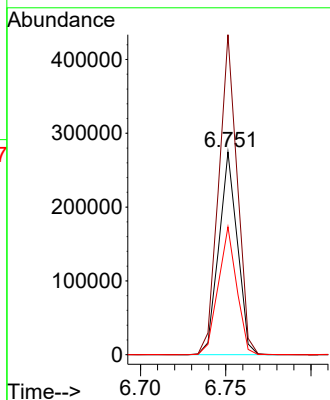
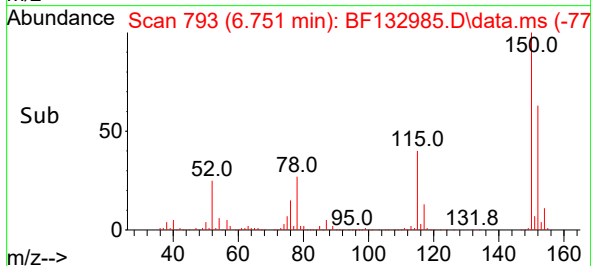


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

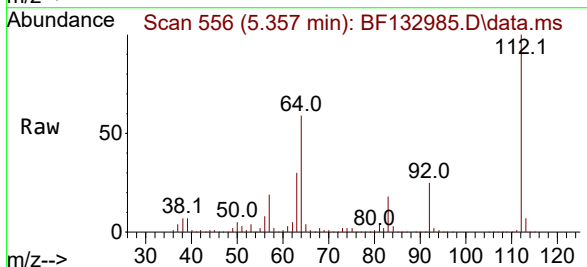
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BNA_F
ClientSampleId :
SPB-6WC-23-04-17



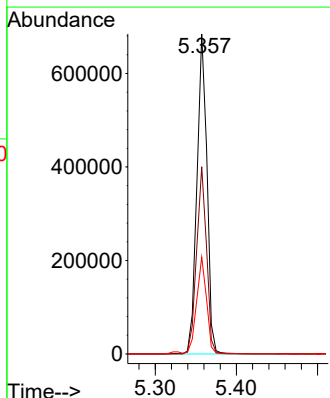
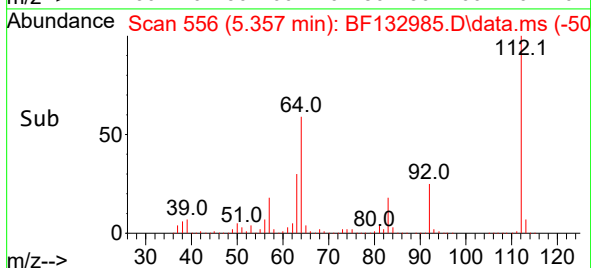
Tgt Ion:152 Resp: 207958
Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 63.1 49.9 74.9

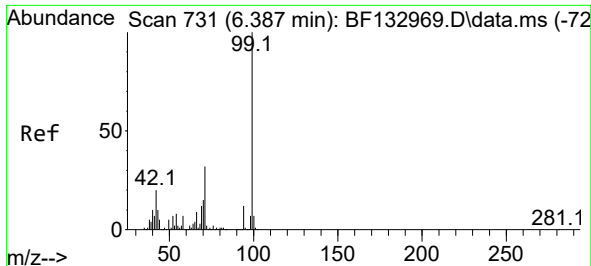


#5
2-Fluorophenol
Concen: 42.955 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42



Tgt Ion:112 Resp: 591335
Ion Ratio Lower Upper
112 100
64 58.5 46.8 70.2
63 30.3 23.8 35.8

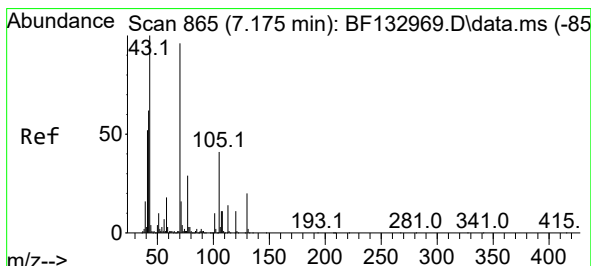
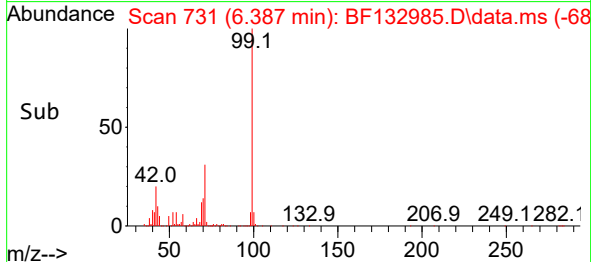
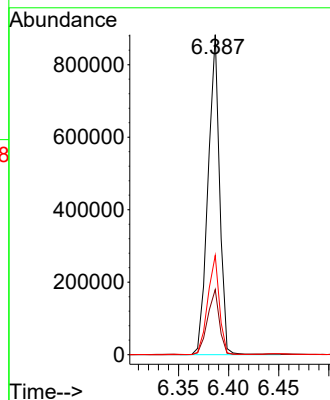
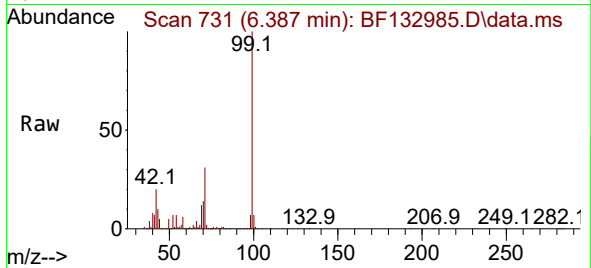




#7
Phenol-d6
Concen: 41.544 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

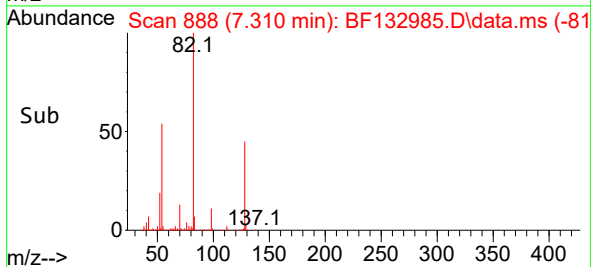
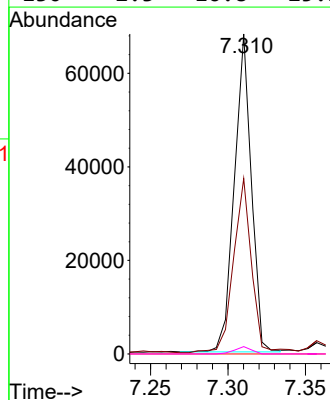
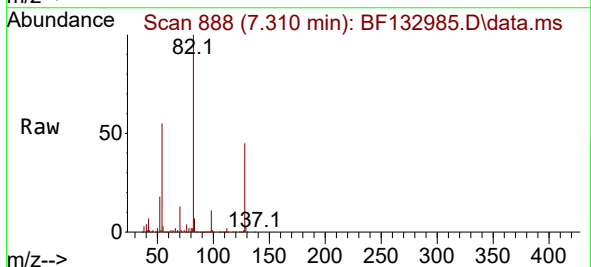
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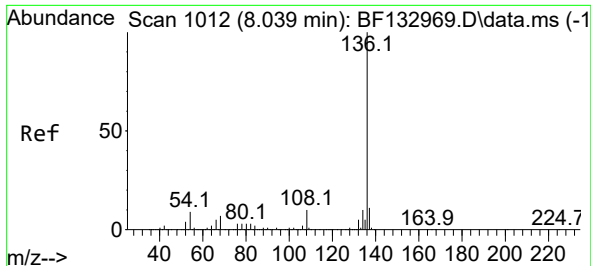
Tgt Ion: 99 Resp: 709868
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 31.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.874 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

Tgt Ion: 70 Resp: 51849
Ion Ratio Lower Upper
70 100
42 54.8 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#



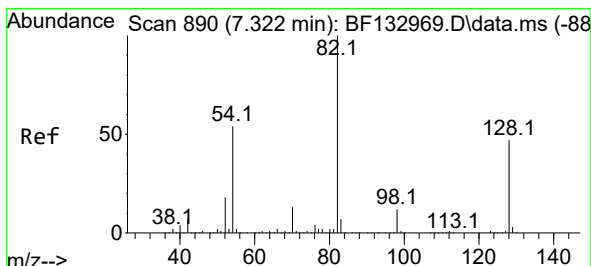
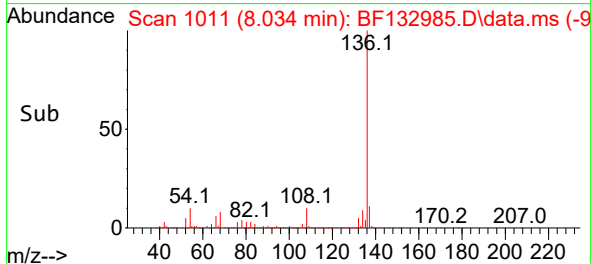
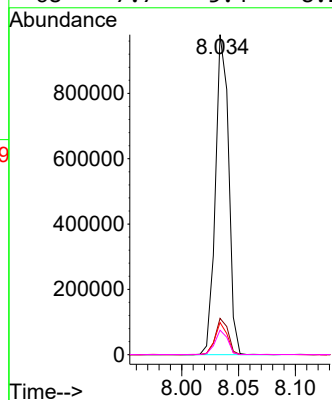
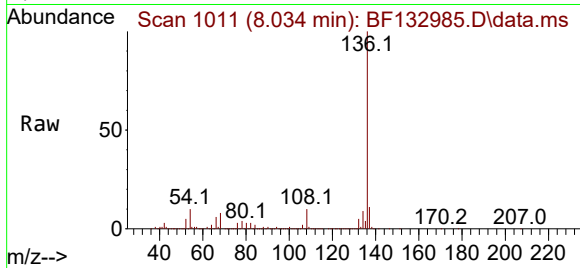


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

Instrument :
BNA_F
ClientSampleId :
SPB-6WC-23-04-17

Tgt Ion:136 Resp: 792464

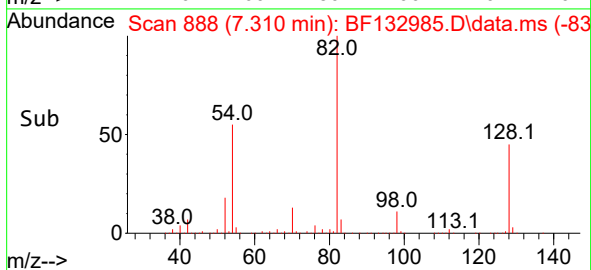
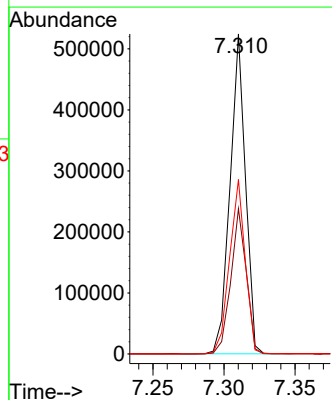
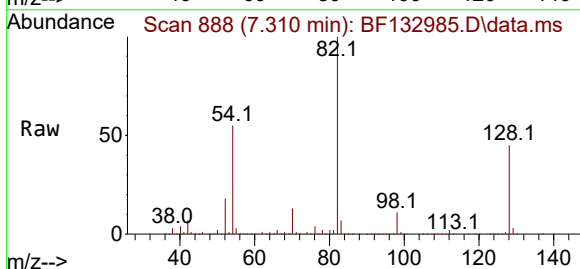
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	10.1	7.0	10.4
68	7.7	5.4	8.2

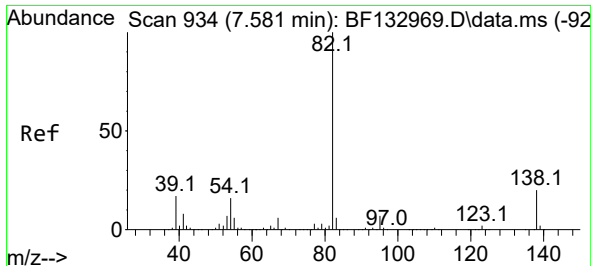


#23
Nitrobenzene-d5
Concen: 26.985 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

Tgt Ion: 82 Resp: 396178

Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.7	56.5
54	54.5	43.0	64.4

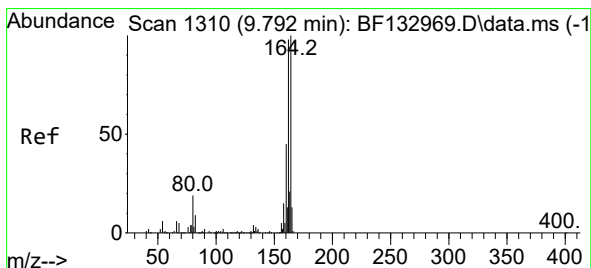
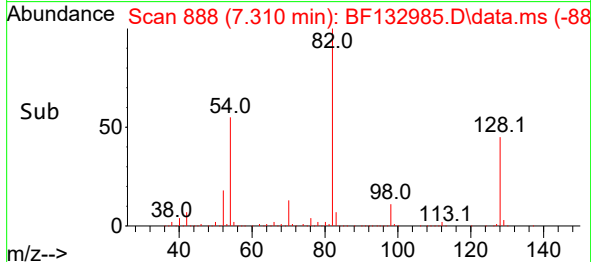
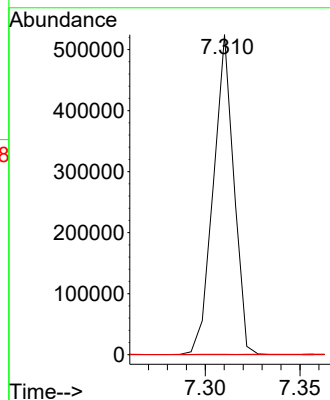
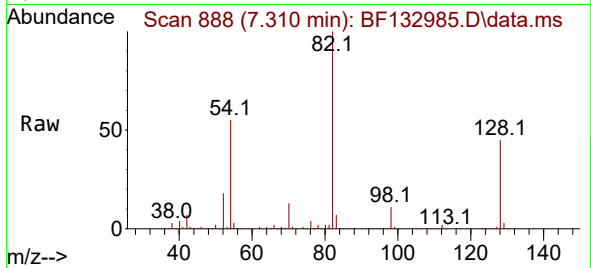




#25
Isophorone
Concen: 14.179 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

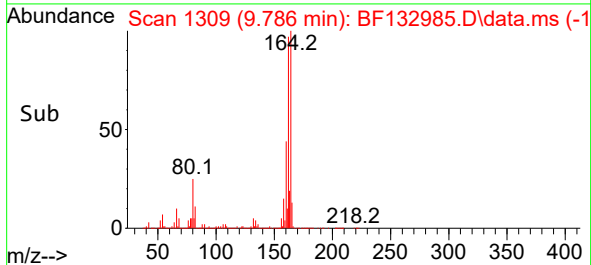
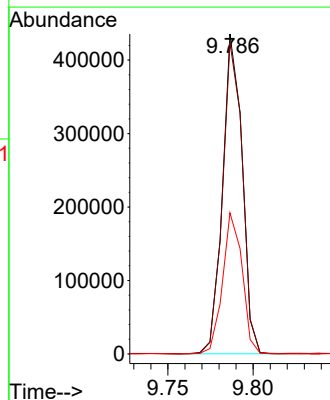
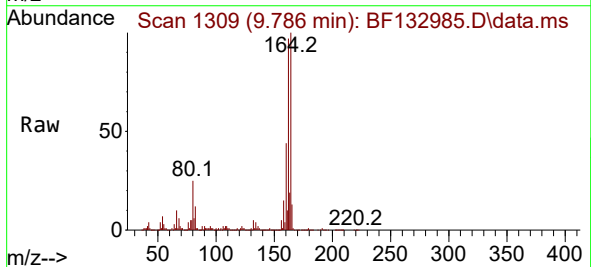
Instrument :
BNA_F
ClientSampleId :
SPB-6WC-23-04-17

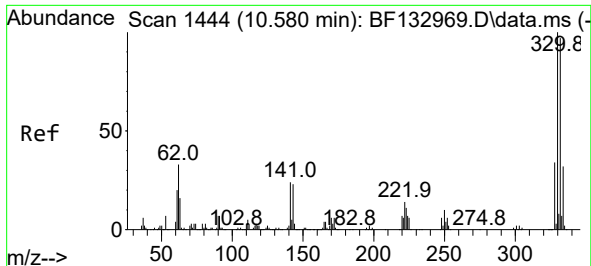
Tgt Ion: 82 Resp: 395240
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

Tgt Ion:164 Resp: 347238
Ion Ratio Lower Upper
164 100
162 97.3 78.7 118.1
160 44.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 33.281 ng

RT: 10.581 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SPB-6WC-23-04-17

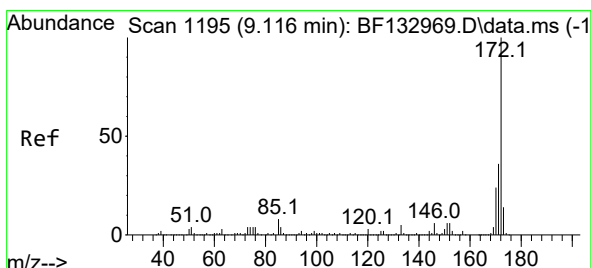
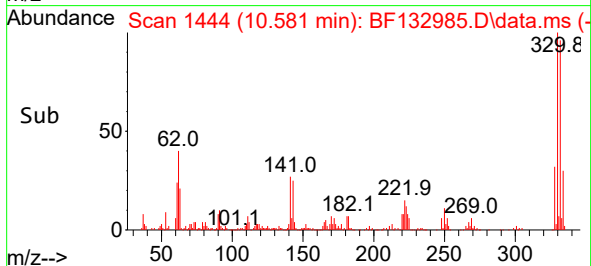
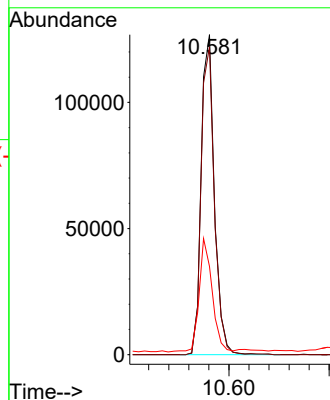
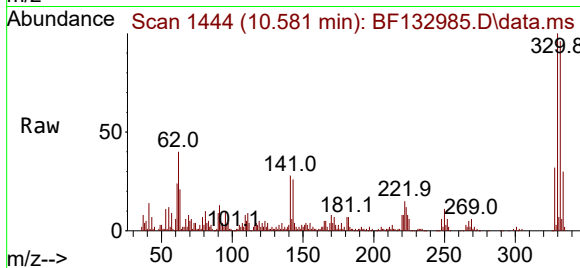
Tgt Ion:330 Resp: 116223

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 35.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 35.657 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

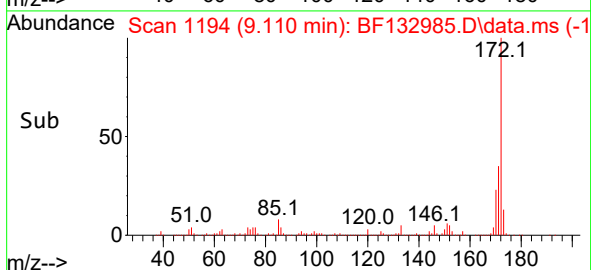
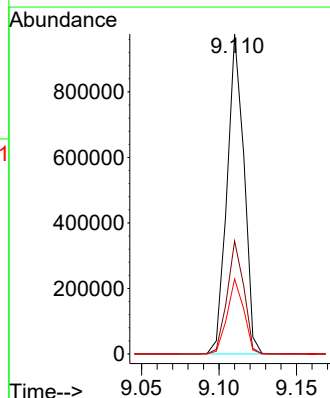
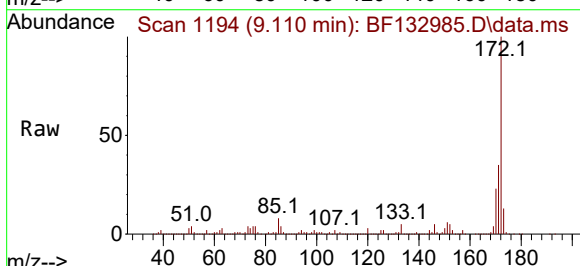
Tgt Ion:172 Resp: 740086

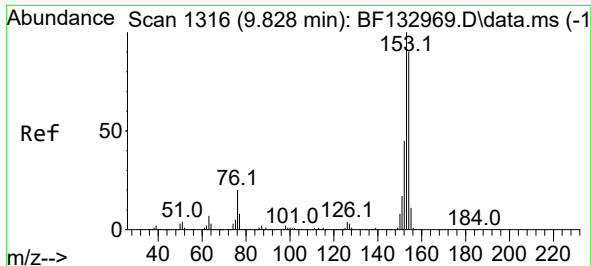
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.5 19.4 29.2

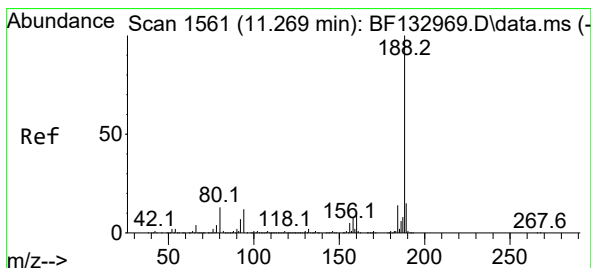
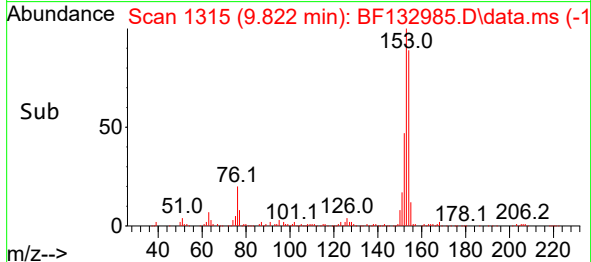
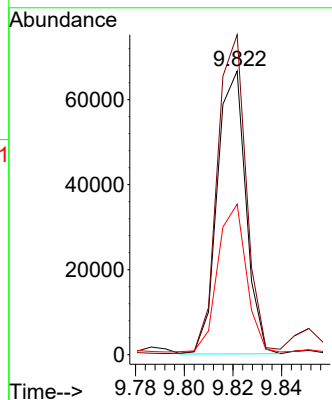
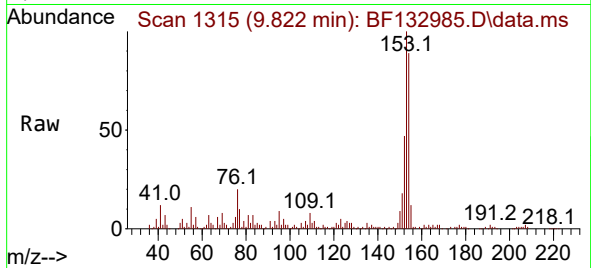




#52
Acenaphthene
Concen: 2.518 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

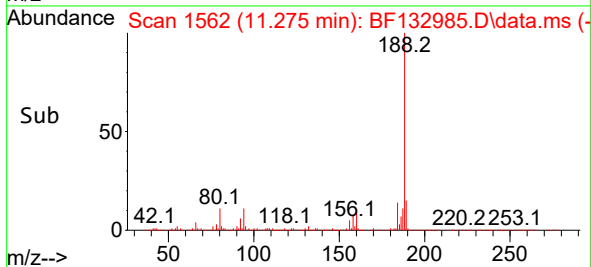
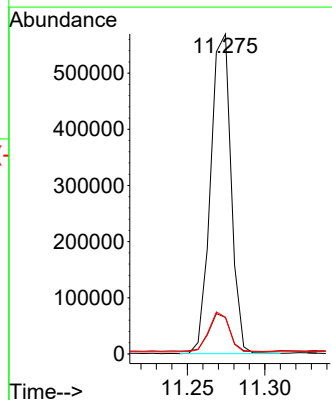
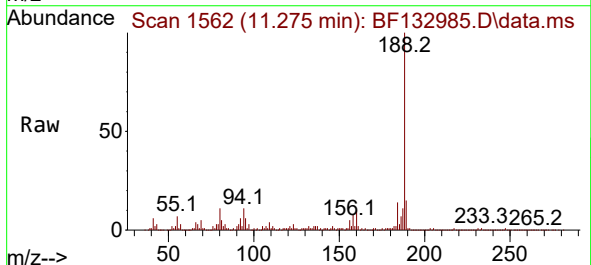
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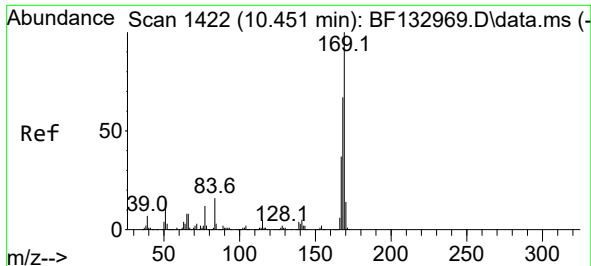
Tgt Ion:154 Resp: 54301
Ion Ratio Lower Upper
154 100
153 112.8 89.0 133.6
152 53.1 40.4 60.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. 0.006 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

Tgt Ion:188 Resp: 524161
Ion Ratio Lower Upper
188 100
94 11.4 9.7 14.5
80 11.5 10.4 15.6

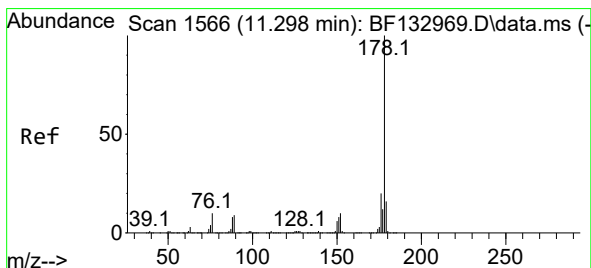
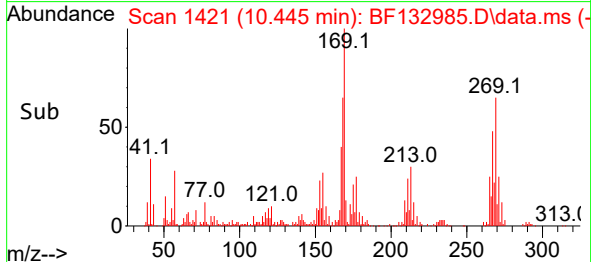
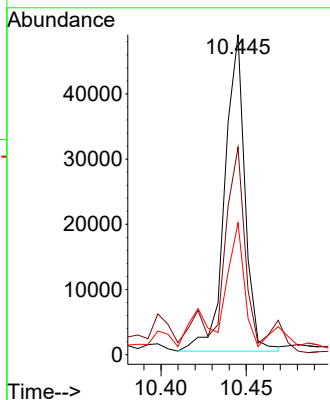
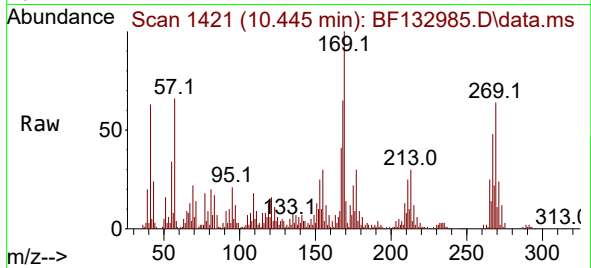




#66
n-Nitrosodiphenylamine
Concen: 2.352 ng
RT: 10.445 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

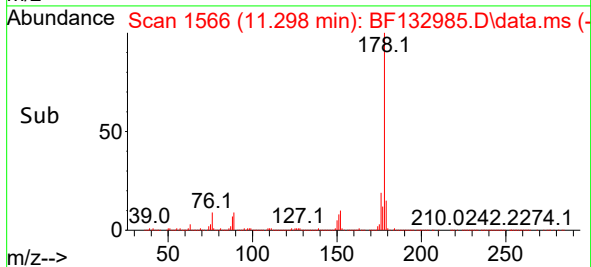
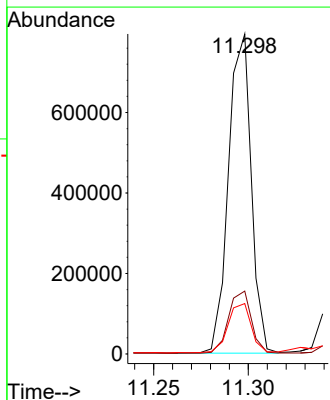
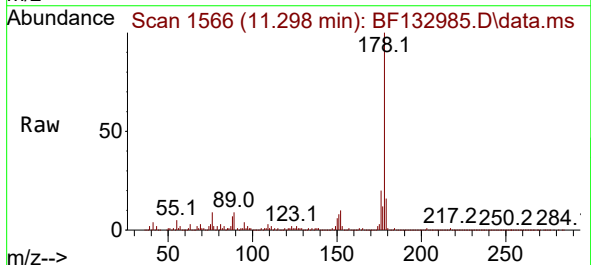
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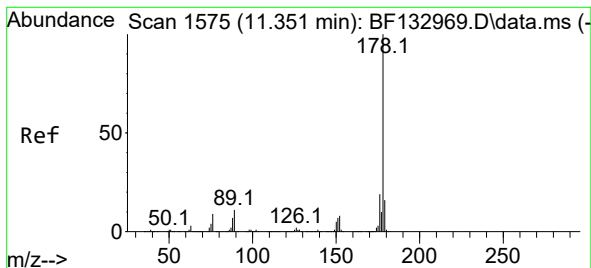
Tgt Ion:169 Resp: 39996
Ion Ratio Lower Upper
169 100
168 64.8 53.8 80.8
167 41.2 29.7 44.5



#71
Phenanthrene
Concen: 23.492 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

Tgt Ion:178 Resp: 661829
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.7 12.5 18.7





#72

Anthracene

Concen: 5.598 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SPB-6WC-23-04-17

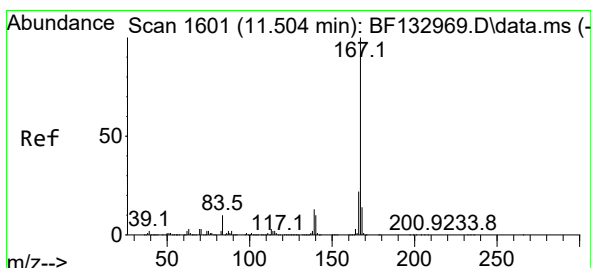
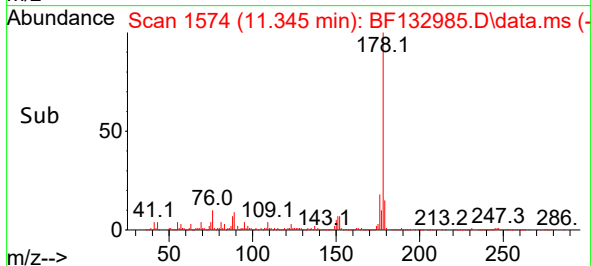
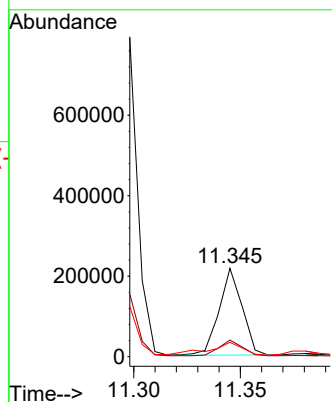
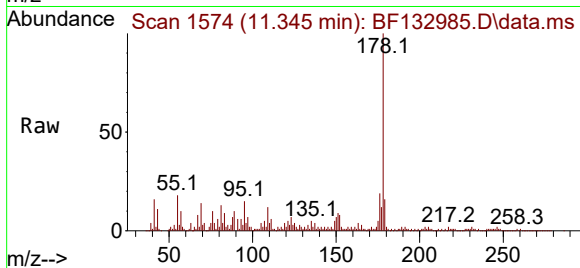
Tgt Ion:178 Resp: 161410

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 16.4 12.4 18.6



#73

Carbazole

Concen: 3.419 ng

RT: 11.498 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

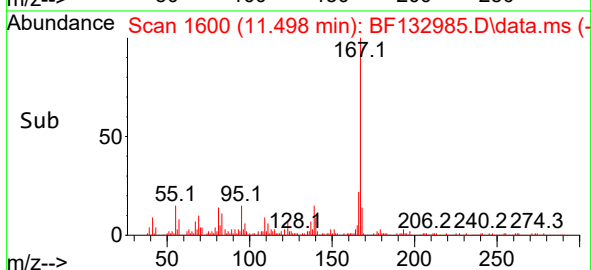
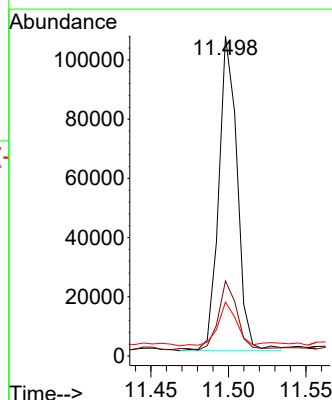
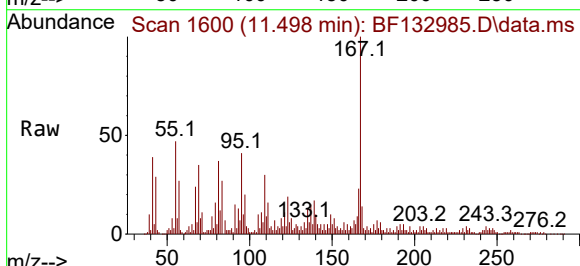
Tgt Ion:167 Resp: 87760

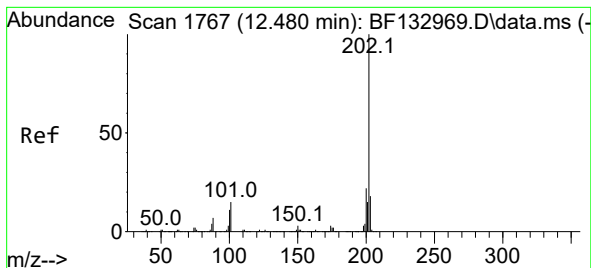
Ion Ratio Lower Upper

167 100

166 23.5 17.4 26.0

139 16.9 10.6 16.0#





#75

Fluoranthene

Concen: 34.841 ng

RT: 12.486 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SPB-6WC-23-04-17

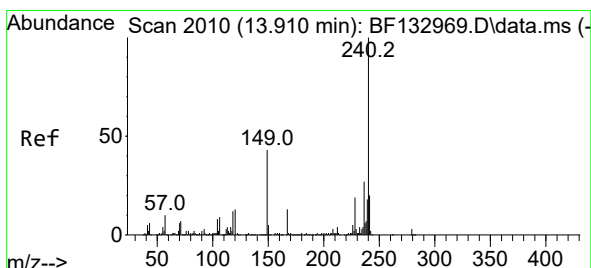
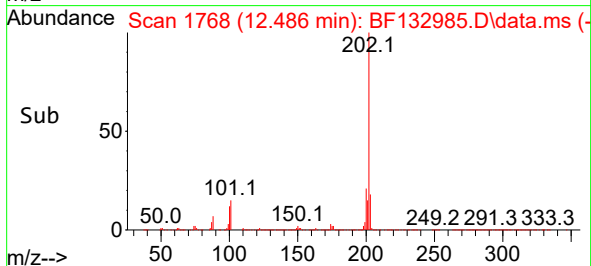
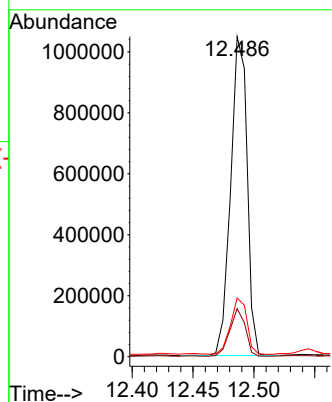
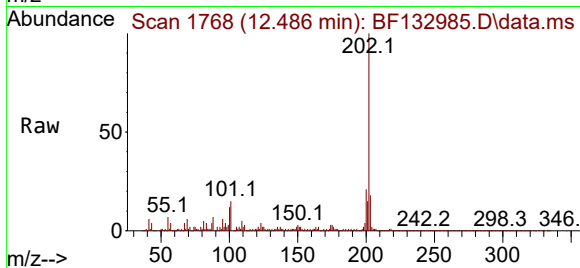
Tgt Ion:202 Resp: 985078

Ion Ratio Lower Upper

202 100

101 15.0 0.0 35.3

203 18.4 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.006 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

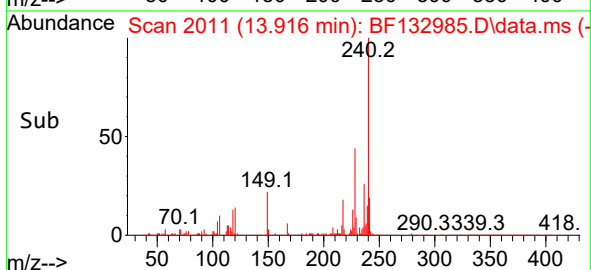
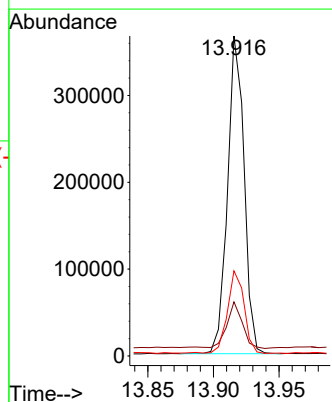
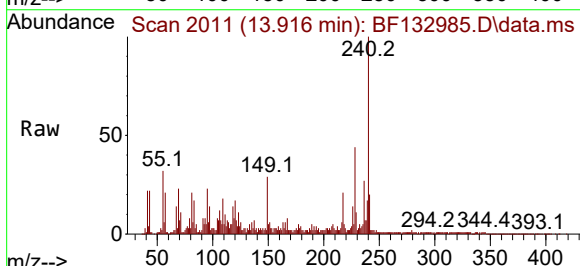
Tgt Ion:240 Resp: 321056

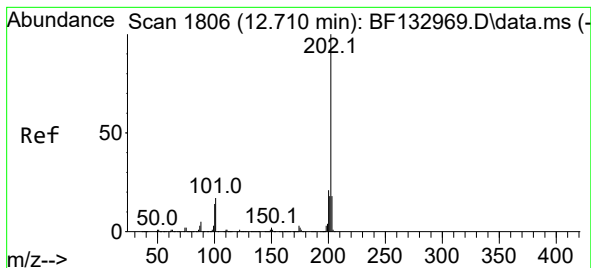
Ion Ratio Lower Upper

240 100

120 16.9 10.5 15.7#

236 26.6 21.5 32.3





#78

Pyrene

Concen: 31.892 ng

RT: 12.716 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SPB-6WC-23-04-17

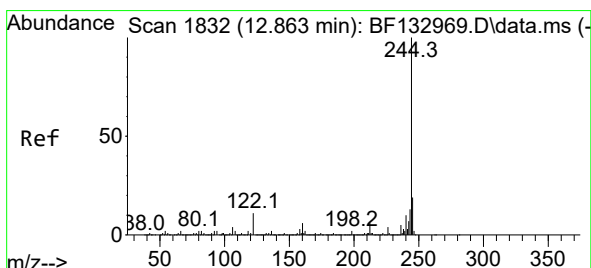
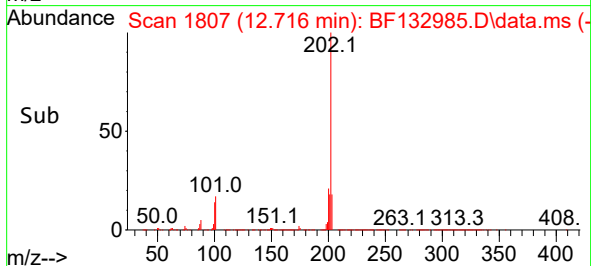
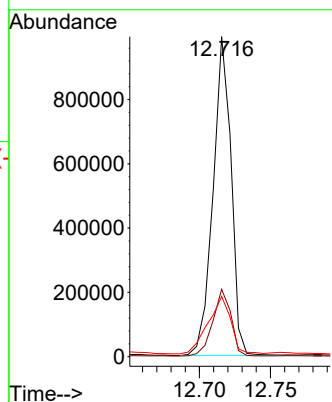
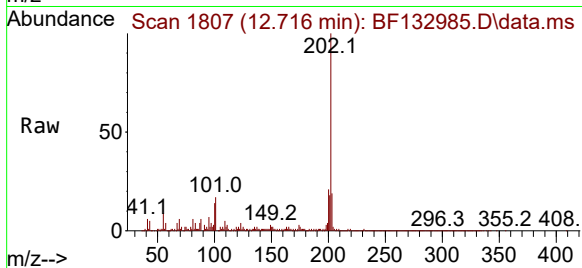
Tgt Ion:202 Resp: 877730

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 18.8 14.1 21.1



#79

Terphenyl-d14

Concen: 30.022 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

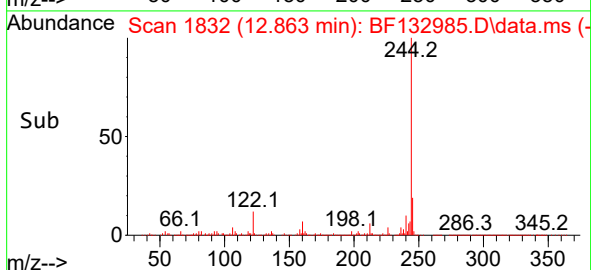
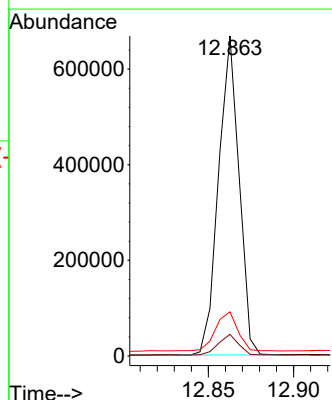
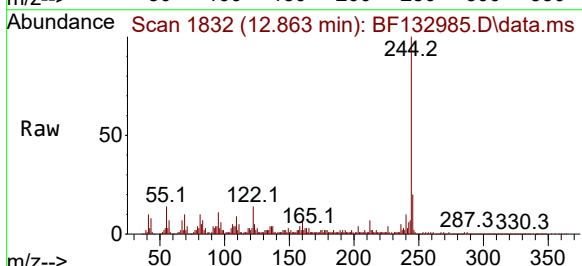
Tgt Ion:244 Resp: 558878

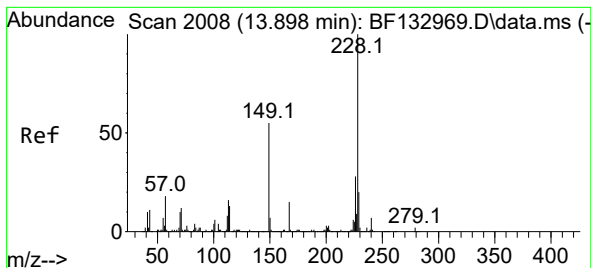
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 13.8 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 18.560 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.012 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SPB-6WC-23-04-17

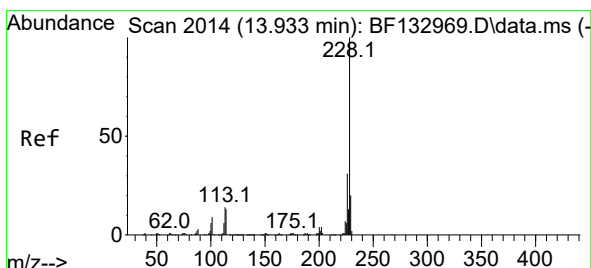
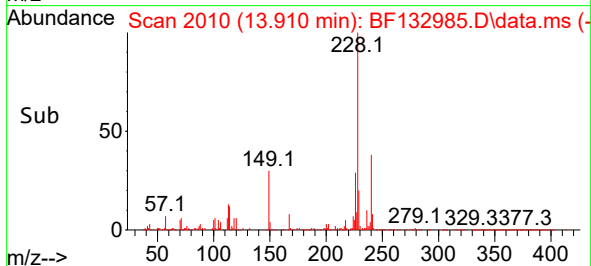
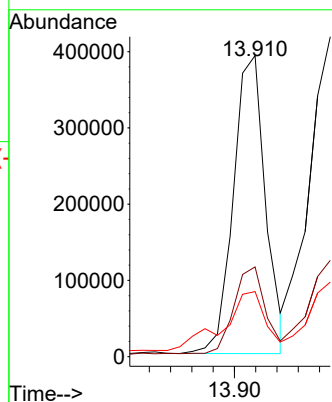
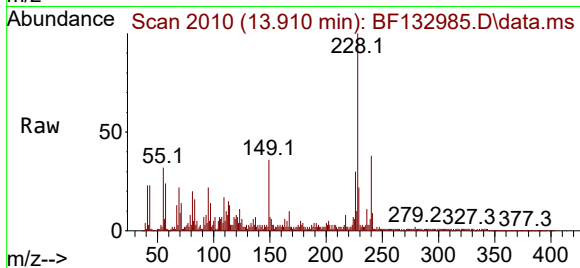
Tgt Ion:228 Resp: 409773

Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.4

229 21.7 16.0 24.0



#83

Chrysene

Concen: 18.747 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.012 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

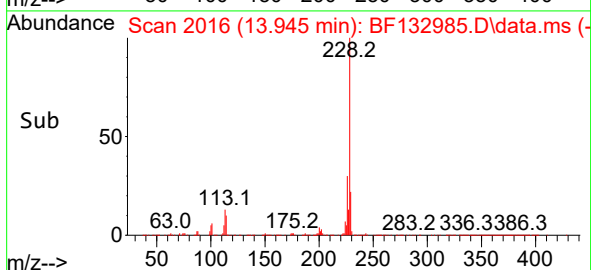
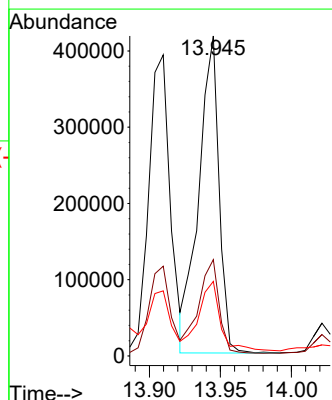
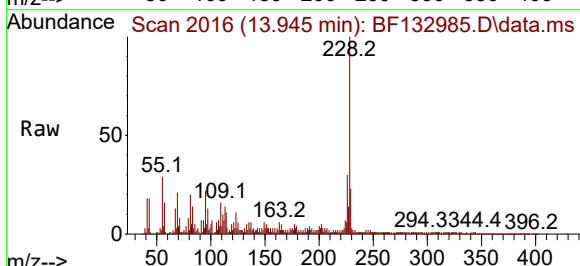
Tgt Ion:228 Resp: 413794

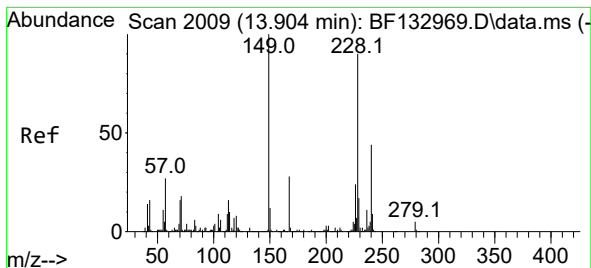
Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

229 23.3 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.330 ng

RT: 13.910 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SPB-6WC-23-04-17

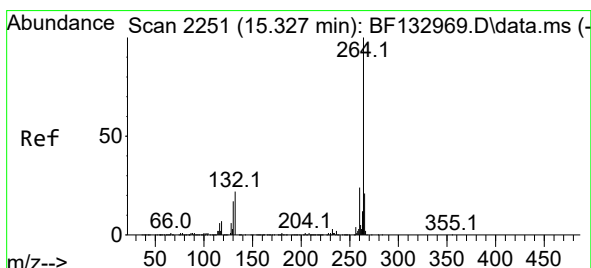
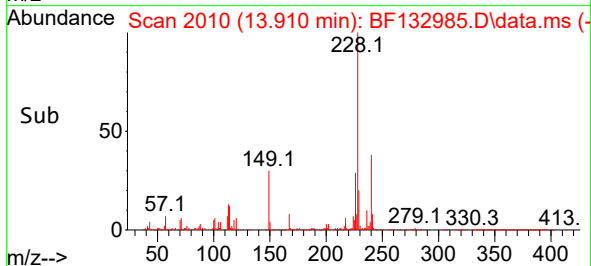
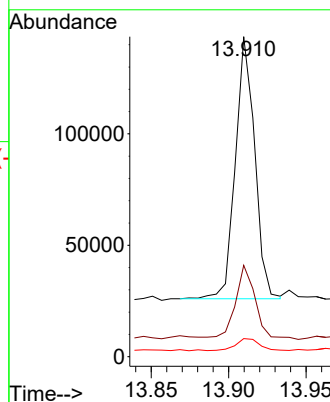
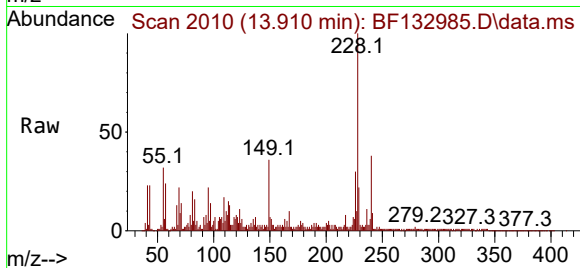
Tgt Ion:149 Resp: 101887

Ion Ratio Lower Upper

149 100

167 28.5 22.5 33.7

279 5.6 4.2 6.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.029 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

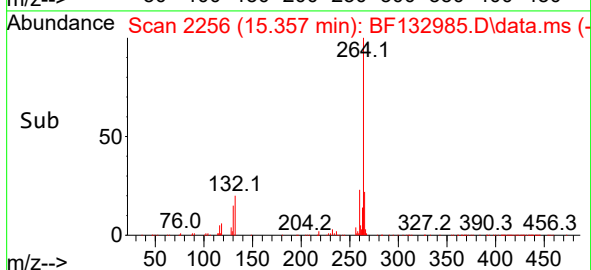
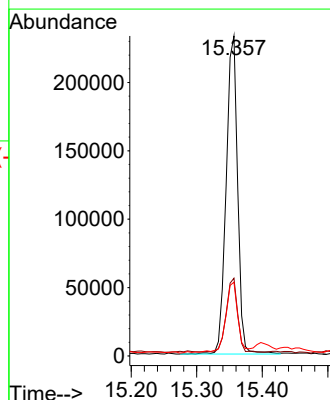
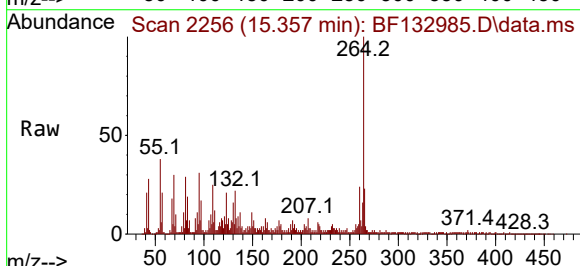
Tgt Ion:264 Resp: 282169

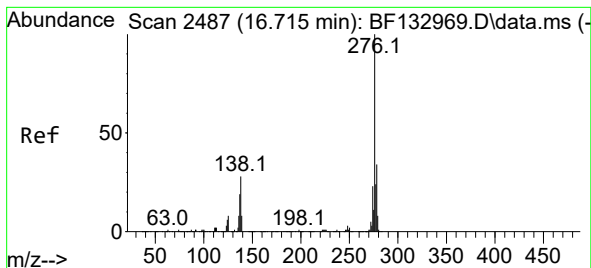
Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 23.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.940 ng

RT: 16.745 min Scan# 2487

Delta R.T. 0.029 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SPB-6WC-23-04-17

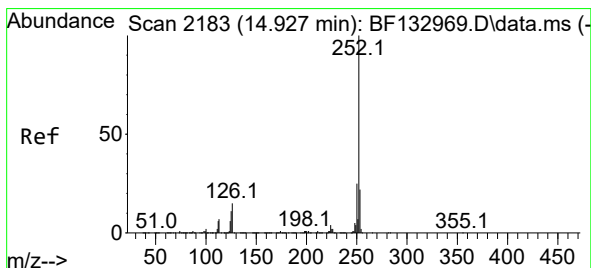
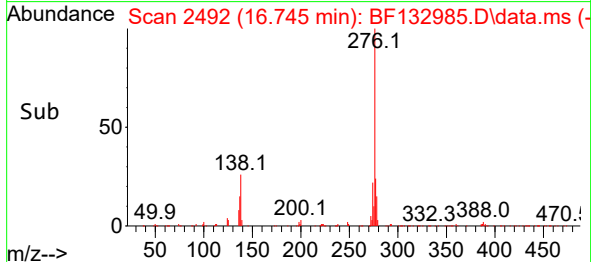
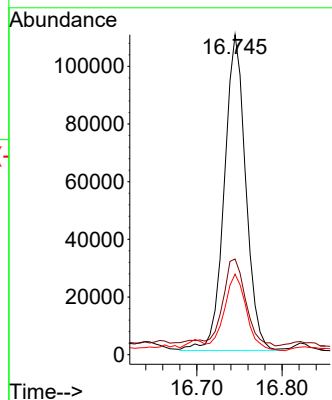
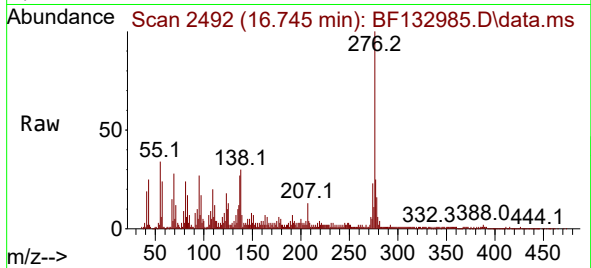
Tgt Ion:276 Resp: 191647

Ion Ratio Lower Upper

276 100

138 30.7 25.5 38.3

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 33.746 ng

RT: 14.945 min Scan# 2186

Delta R.T. 0.018 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

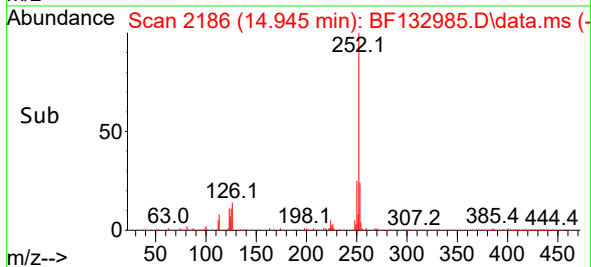
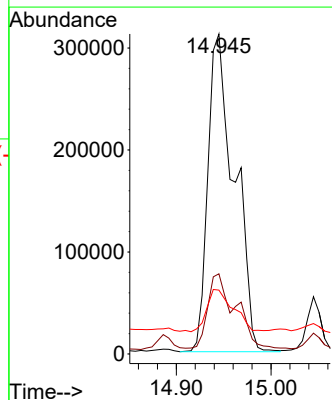
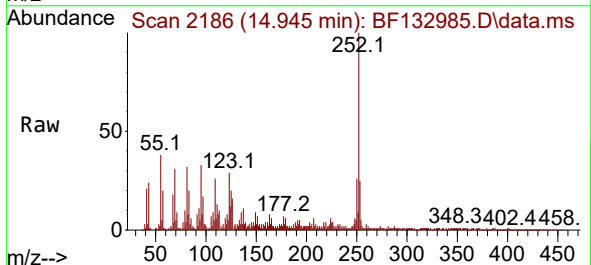
Tgt Ion:252 Resp: 605783

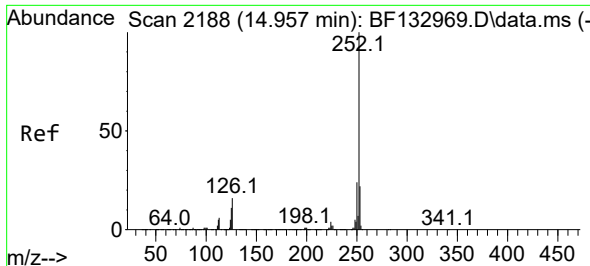
Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 20.0 8.9 13.3#

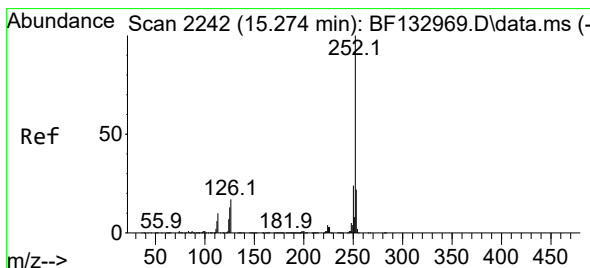
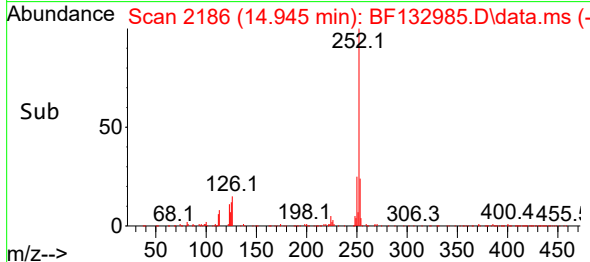
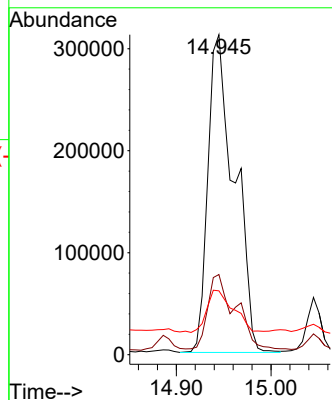
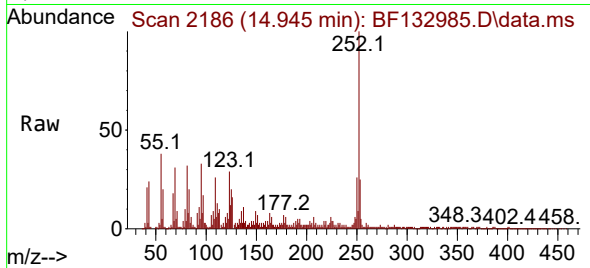




#89
Benzo(k)fluoranthene
Concen: 34.043 ng
RT: 14.945 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

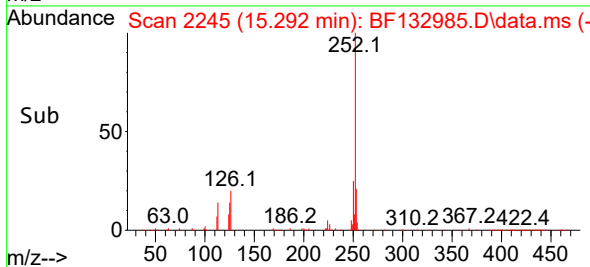
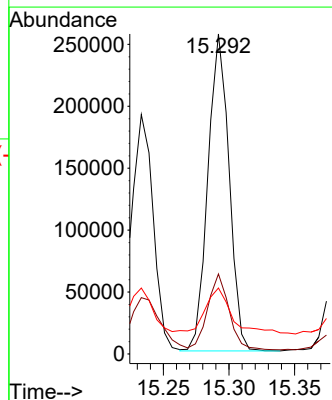
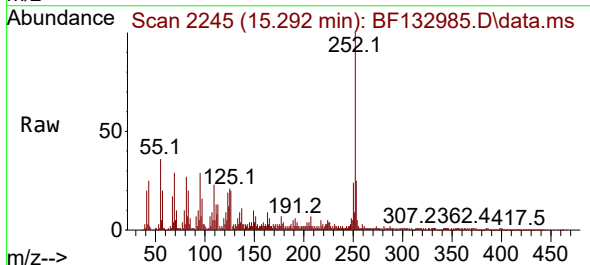
Instrument :
BNA_F
ClientSampleId :
SPB-6WC-23-04-17

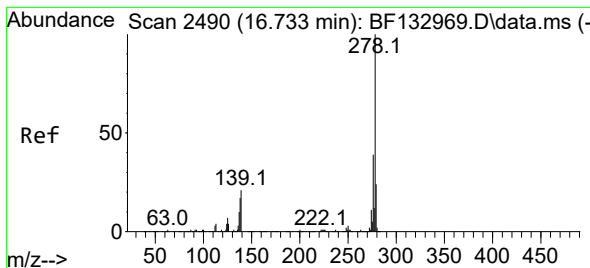
Tgt Ion:252 Resp: 605783
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 20.0 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 17.559 ng
RT: 15.292 min Scan# 2245
Delta R.T. 0.018 min
Lab File: BF132985.D
Acq: 21 Apr 2023 23:42

Tgt Ion:252 Resp: 286901
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 20.6 10.5 15.7#





#91

Dibenzo(a,h)anthracene

Concen: 3.867 ng

RT: 16.757 min Scan# 2494

Delta R.T. 0.024 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SPB-6WC-23-04-17

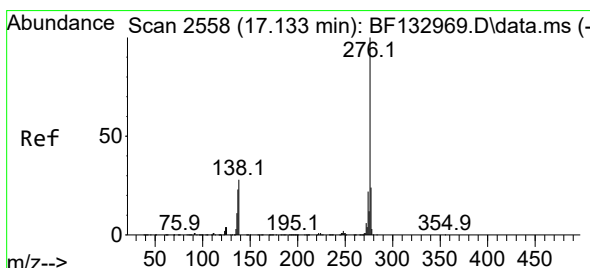
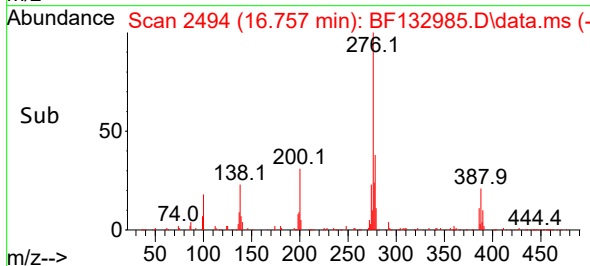
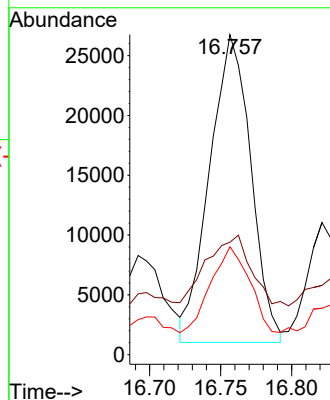
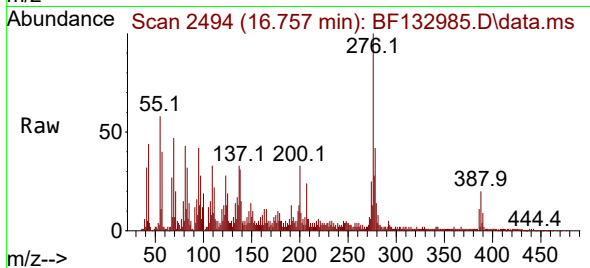
Tgt Ion:278 Resp: 51764

Ion Ratio Lower Upper

278 100

139 35.2 16.6 24.8#

279 33.7 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 14.193 ng

RT: 17.162 min Scan# 2563

Delta R.T. 0.029 min

Lab File: BF132985.D

Acq: 21 Apr 2023 23:42

Tgt Ion:276 Resp: 187578

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 30.4 22.7 34.1

