

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132984.D
 Acq On : 21 Apr 2023 23:09
 Operator : CG\JU
 Sample : 02390-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPC-1WC-23-04-17

Quant Time: Apr 22 04:32:08 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)

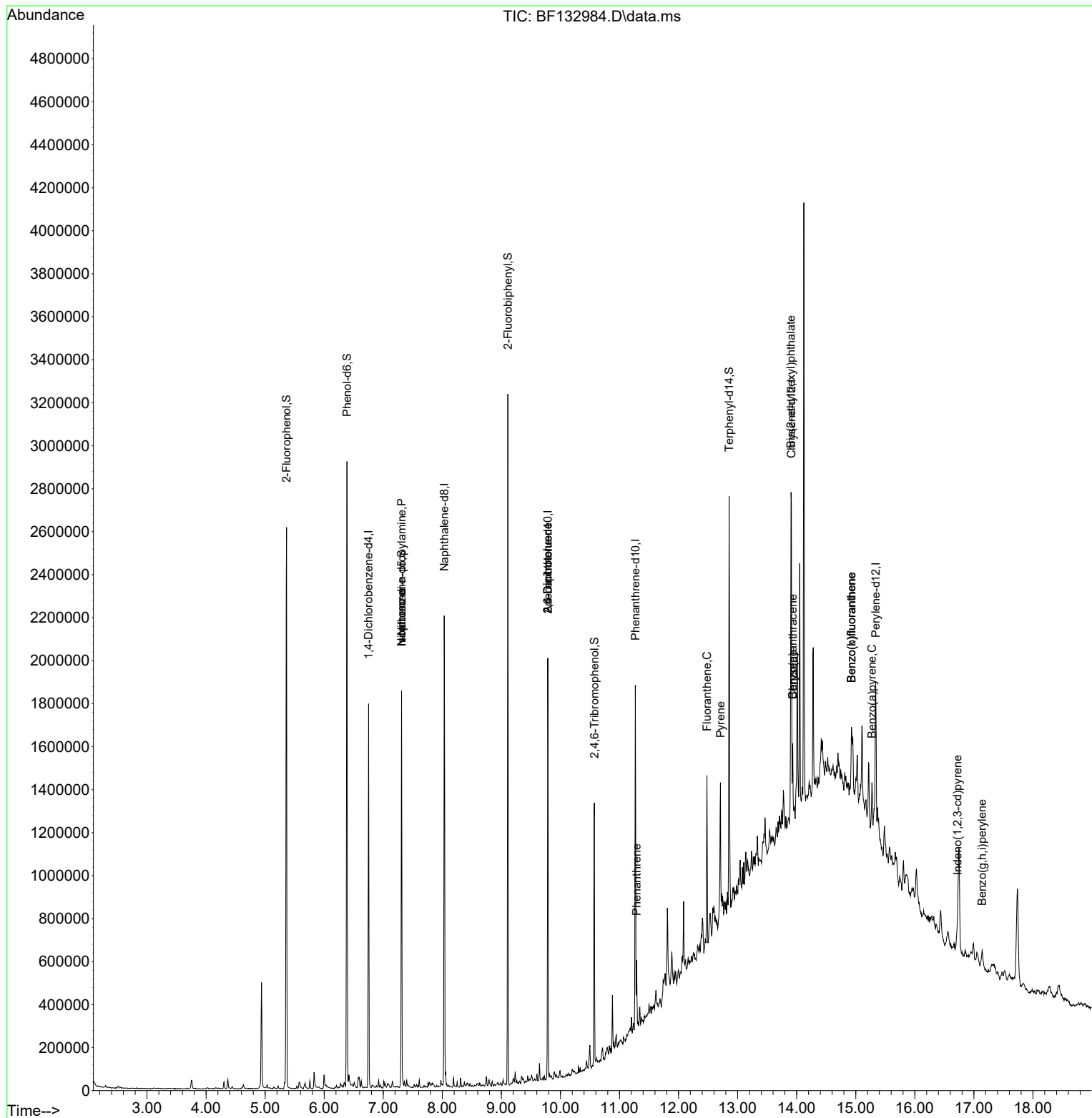
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	218474	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	821617	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	358771	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	529494	20.000	ng	0.00
76) Chrysene-d12	13.910	240	371567	20.000	ng	0.00
86) Perylene-d12	15.339	264	311083	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	710459	49.124	ng	0.01
7) Phenol-d6	6.387	99	842449	46.930	ng	0.00
23) Nitrobenzene-d5	7.310	82	482617	31.706	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	134395	37.248	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	827658	38.595	ng	0.00
79) Terphenyl-d14	12.857	244	638730	29.647	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.293	77	3690	Below Cal	#	90
19) n-Nitroso-di-n-propyla...	7.310	70	64119	5.737	ng	# 79
25) Isophorone	7.310	82	481155	16.649	ng	# 63
51) 2,6-Dinitrotoluene	9.786	165	47714	8.474	ng	# 25
57) 2,4-Dinitrotoluene	9.786	165	47714	6.645	ng	# 24
71) Phenanthrene	11.292	178	94911	3.335	ng	99
75) Fluoranthene	12.480	202	272481	9.540	ng	99
78) Pyrene	12.710	202	241845	7.593	ng	100
81) Benzo(a)anthracene	13.933	228	124792	4.884	ng	95
83) Chrysene	13.933	228	124792	4.885	ng	97
84) Bis(2-ethylhexyl)phtha...	13.904	149	116909	8.259	ng	100
87) Indeno(1,2,3-cd)pyrene	16.721	276	63013	3.561	ng	98
88) Benzo(b)fluoranthene	14.927	252	204254	10.321	ng	# 85
89) Benzo(k)fluoranthene	14.927	252	204254	10.411	ng	# 85
90) Benzo(a)pyrene	15.274	252	89828	4.987	ng	# 87
92) Benzo(g,h,i)perylene	17.139	276	61074	4.192	ng	# 88

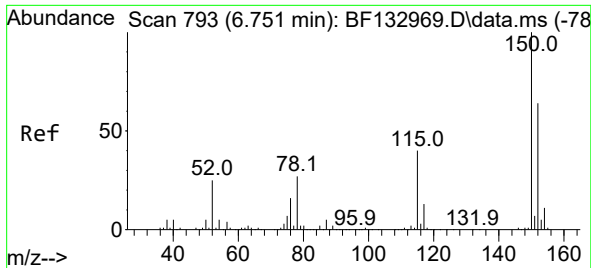
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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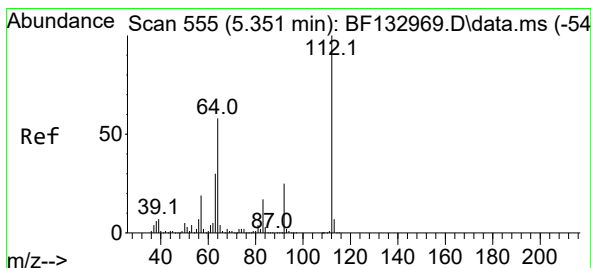
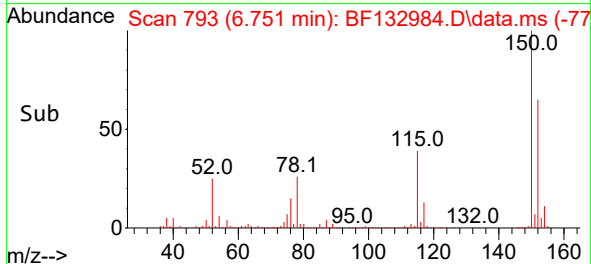
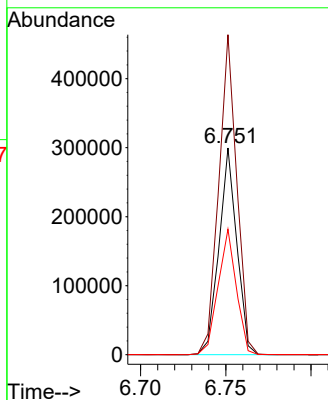
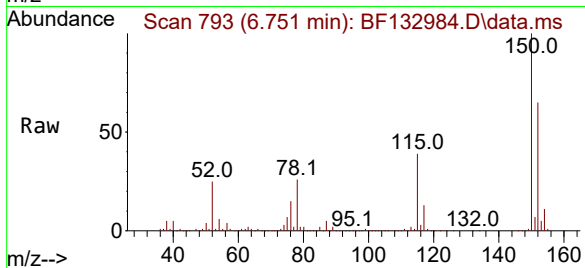




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

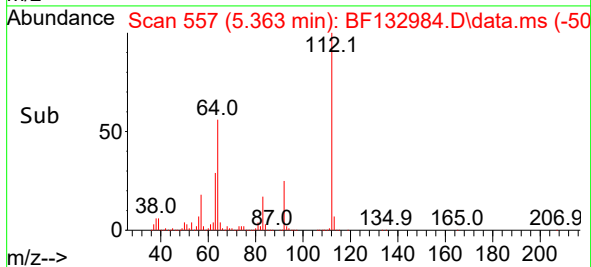
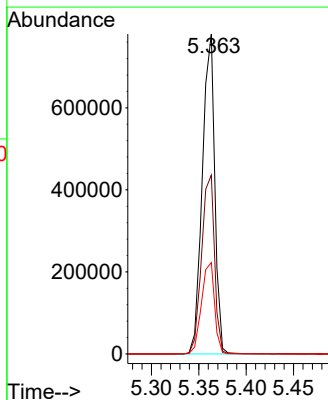
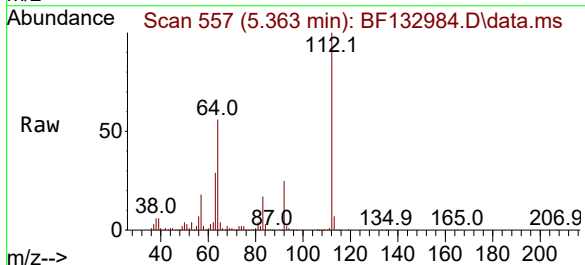
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17

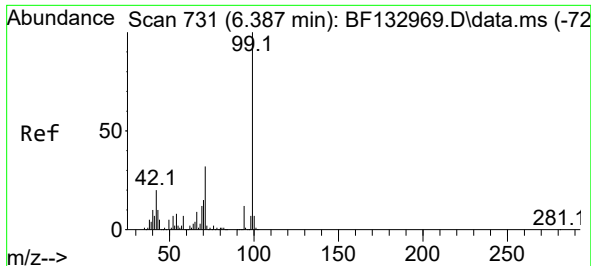
Tgt Ion:152 Resp: 218474
Ion Ratio Lower Upper
152 100
150 154.8 124.8 187.2
115 60.7 49.9 74.9



#5
2-Fluorophenol
Concen: 49.124 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.012 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion:112 Resp: 710459
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 28.5 23.8 35.8





#7

Phenol-d6

Concen: 46.930 ng

RT: 6.387 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF132984.D

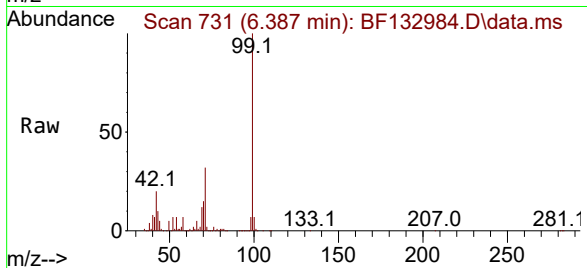
Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17



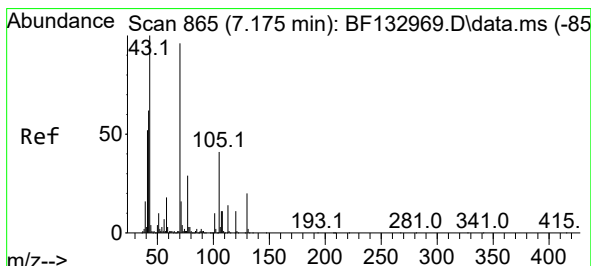
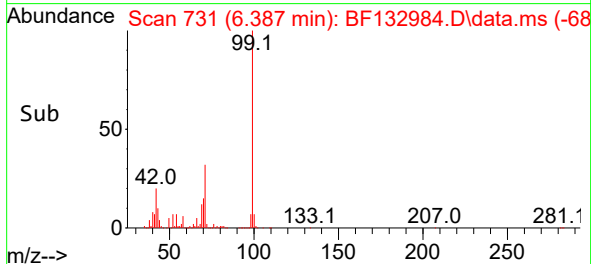
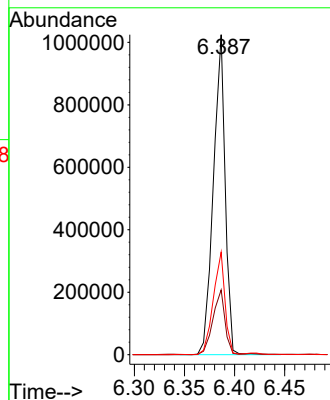
Tgt Ion: 99 Resp: 842449

Ion Ratio Lower Upper

99 100

42 20.2 16.3 24.5

71 32.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.737 ng

RT: 7.310 min Scan# 888

Delta R.T. 0.135 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Tgt Ion: 70 Resp: 64119

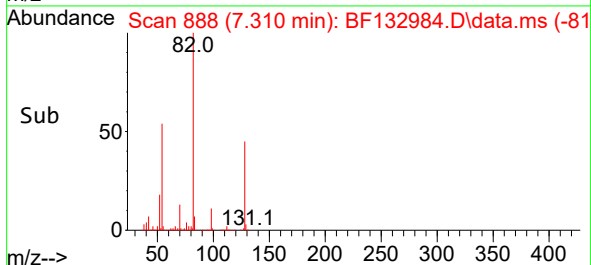
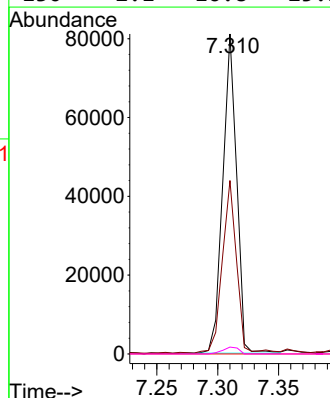
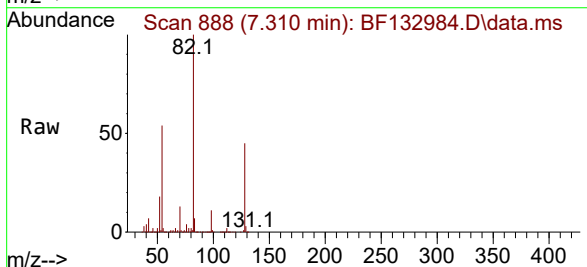
Ion Ratio Lower Upper

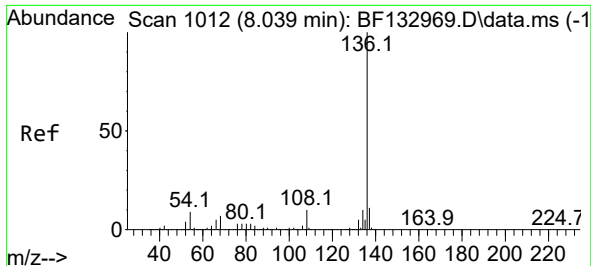
70 100

42 54.2 51.8 77.6

101 0.0 8.0 12.0#

130 2.1 16.8 25.2#

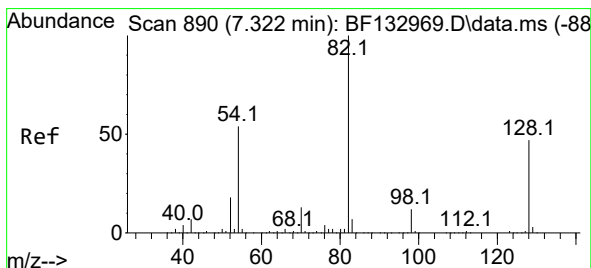
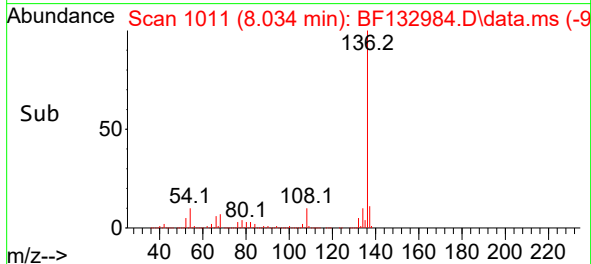
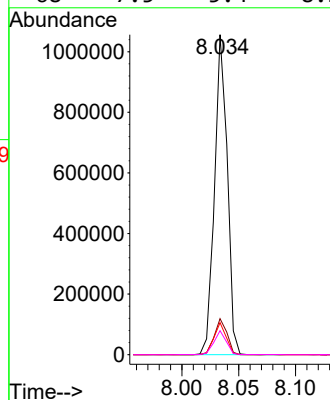
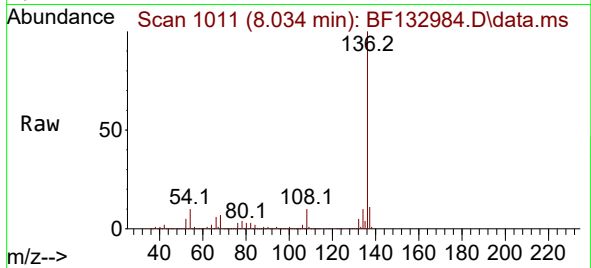




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

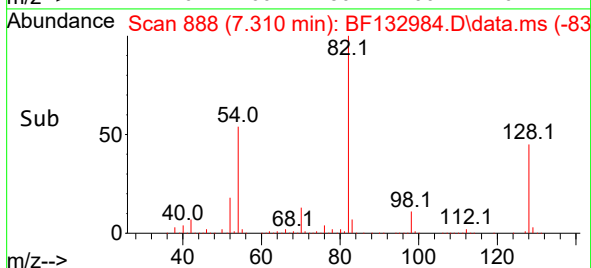
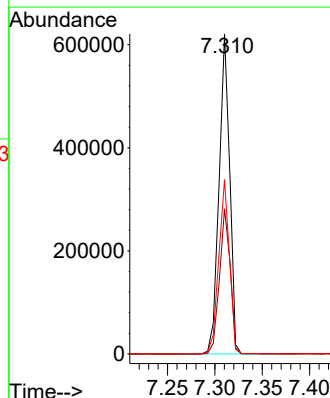
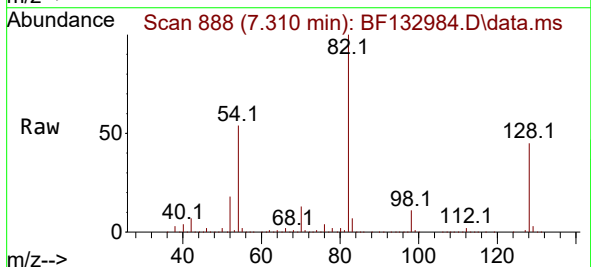
Instrument :
BNA_F
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SPC-1WC-23-04-17

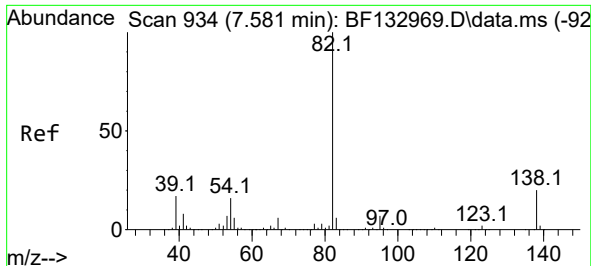
Tgt Ion:136 Resp: 821617
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 10.0 7.0 10.4
68 7.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 31.706 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion: 82 Resp: 482617
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 54.4 43.0 64.4

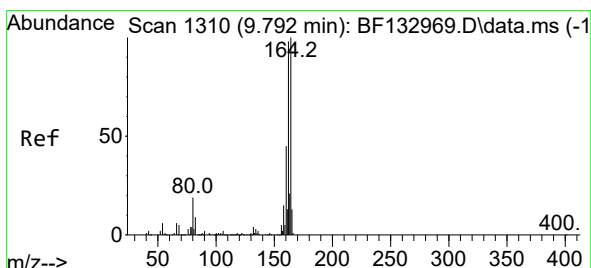
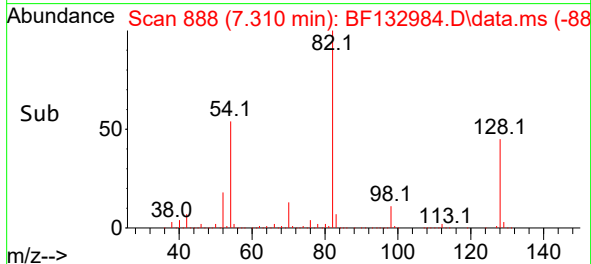
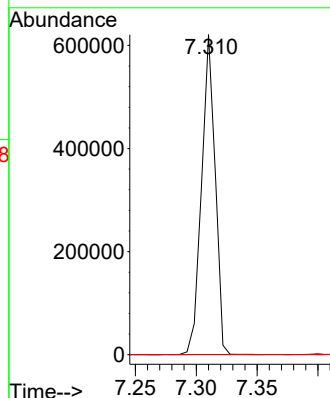
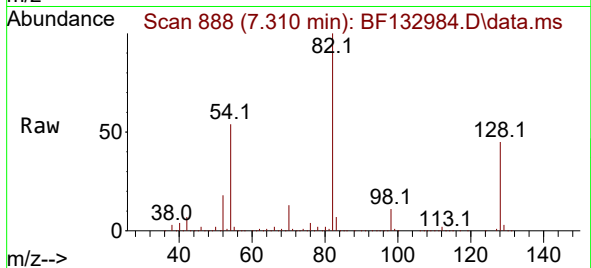




#25
Isophorone
Concen: 16.649 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

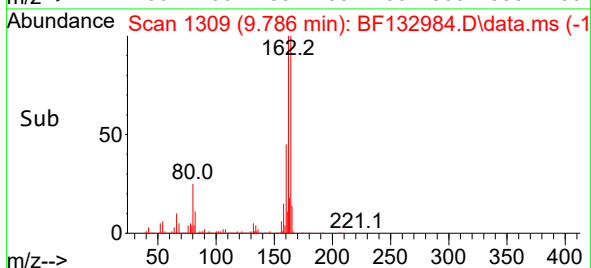
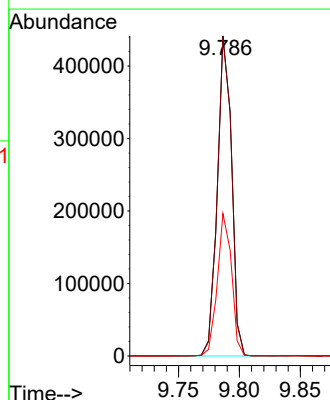
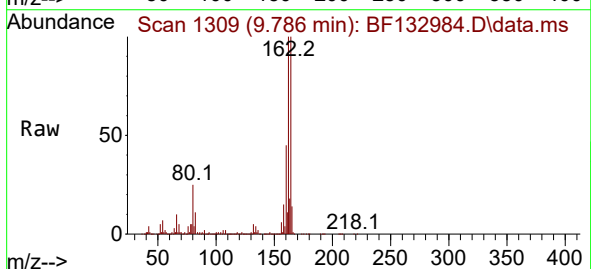
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17

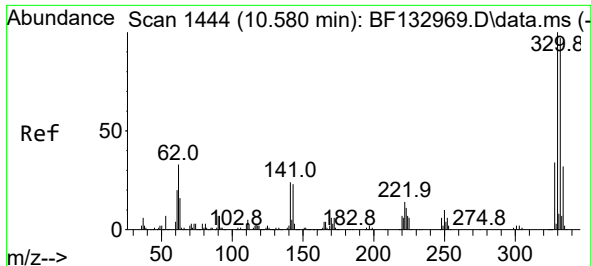
Tgt Ion: 82 Resp: 481155
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion:164 Resp: 358771
Ion Ratio Lower Upper
164 100
162 99.7 78.7 118.1
160 44.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 37.248 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF132984.D

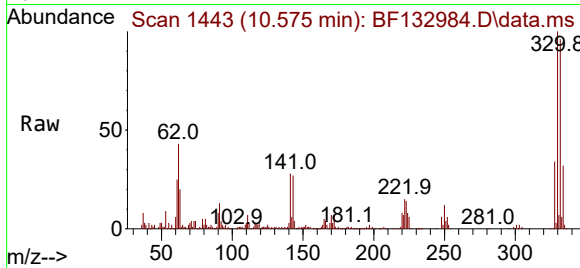
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BNA_F

ClientSampleId :

SPC-1WC-23-04-17



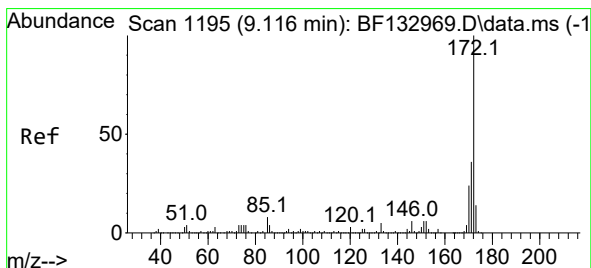
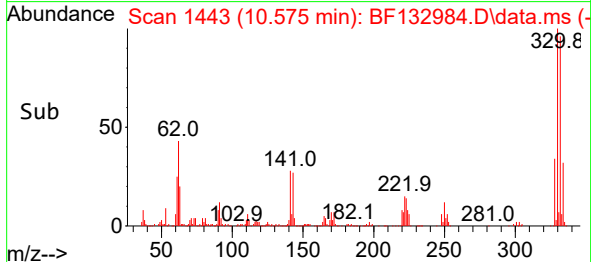
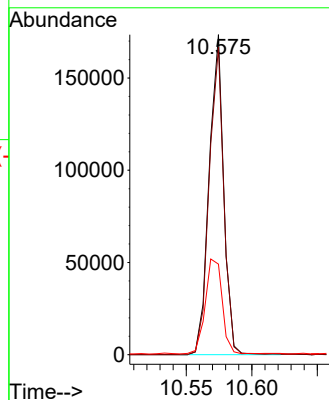
Tgt Ion:330 Resp: 134395

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 34.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 38.595 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

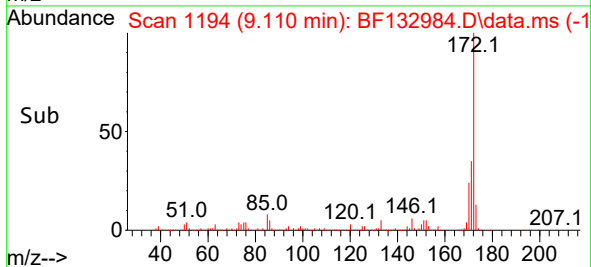
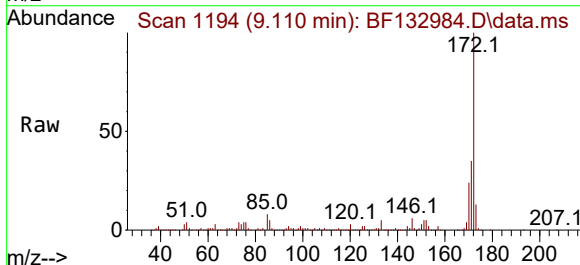
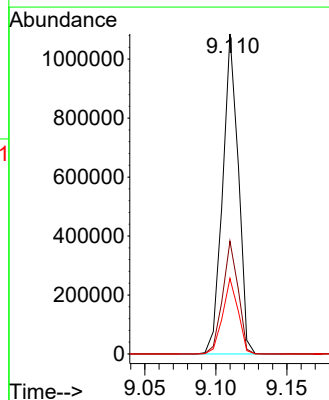
Tgt Ion:172 Resp: 827658

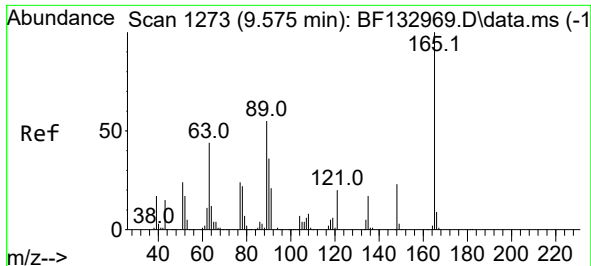
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.6 19.4 29.2

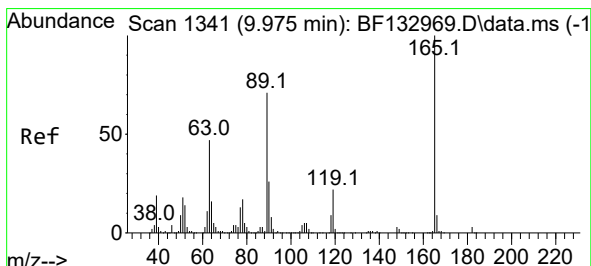
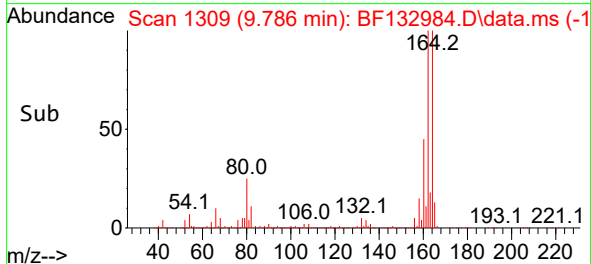
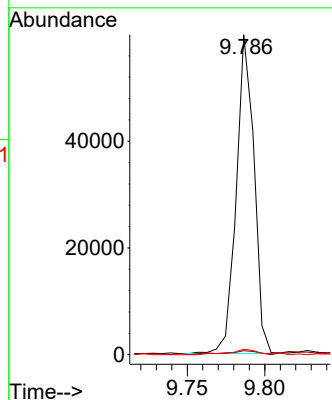
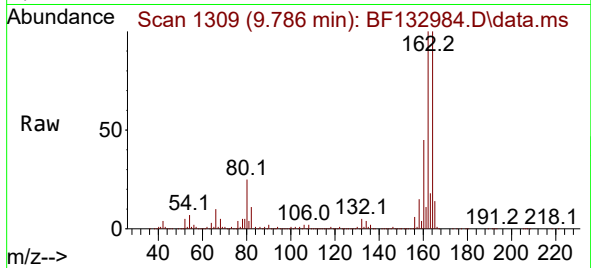




#51
2,6-Dinitrotoluene
Concen: 8.474 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

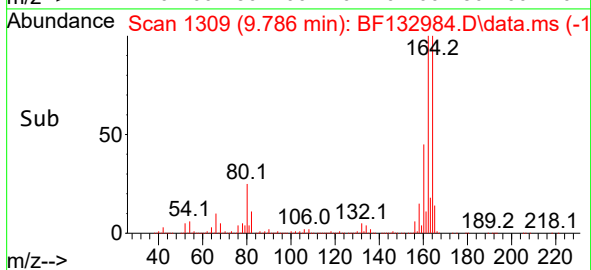
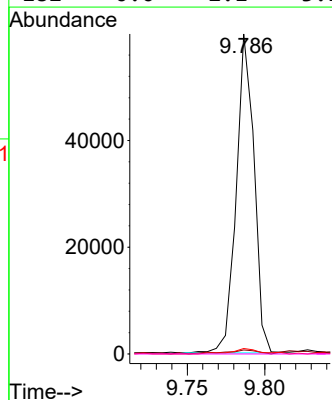
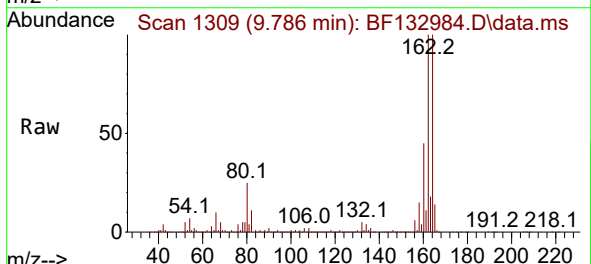
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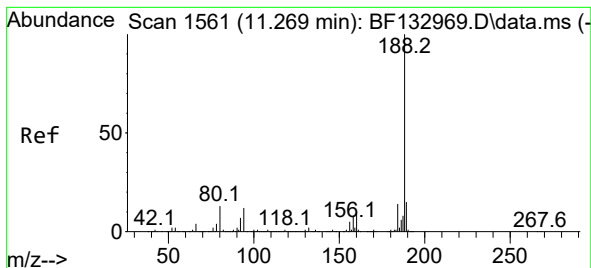
Tgt Ion:165 Resp: 47714
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 1.7 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.645 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.188 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion:165 Resp: 47714
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.7 57.0 85.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17

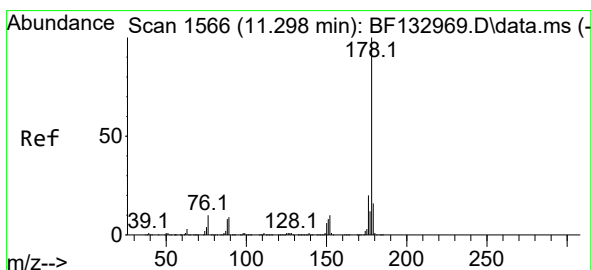
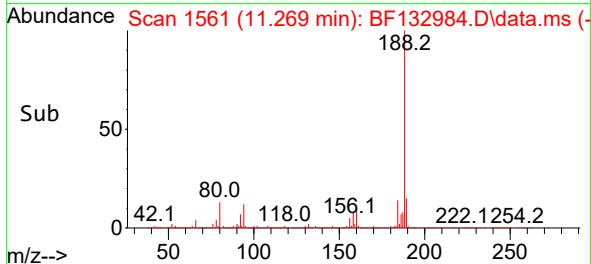
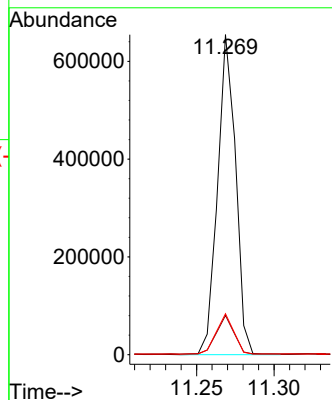
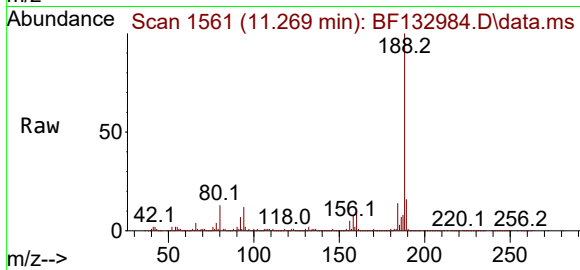
Tgt Ion:188 Resp: 529494

Ion Ratio Lower Upper

188 100

94 12.3 9.7 14.5

80 12.8 10.4 15.6



#71

Phenanthrene

Concen: 3.335 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.006 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

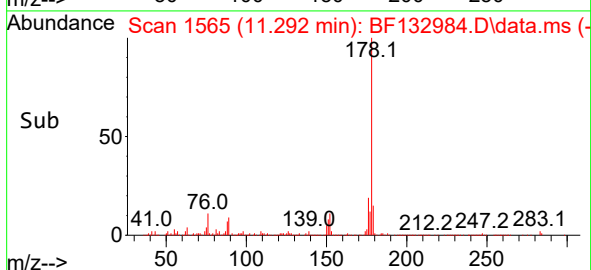
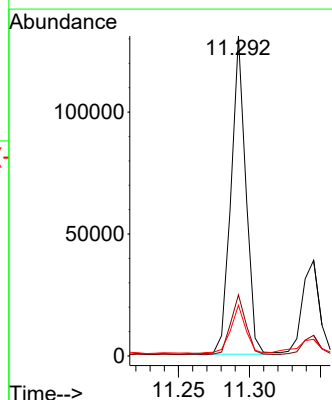
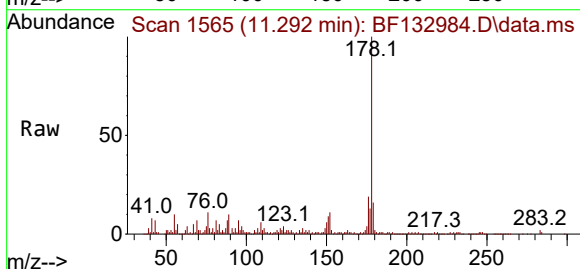
Tgt Ion:178 Resp: 94911

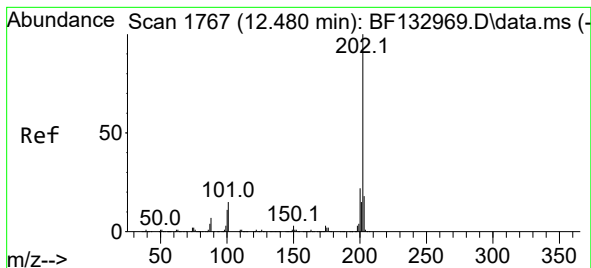
Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

179 15.9 12.5 18.7





#75

Fluoranthene

Concen: 9.540 ng

RT: 12.480 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17

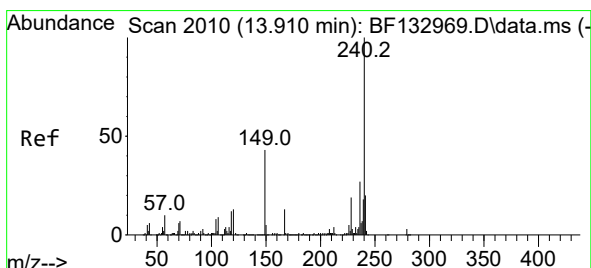
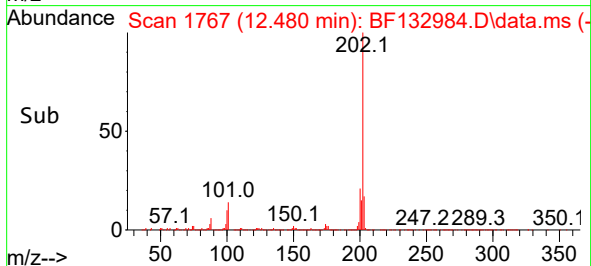
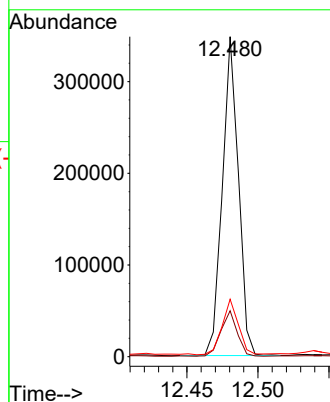
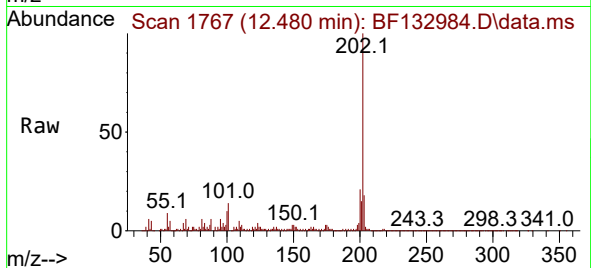
Tgt Ion:202 Resp: 272481

Ion Ratio Lower Upper

202 100

101 14.3 0.0 35.3

203 18.0 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

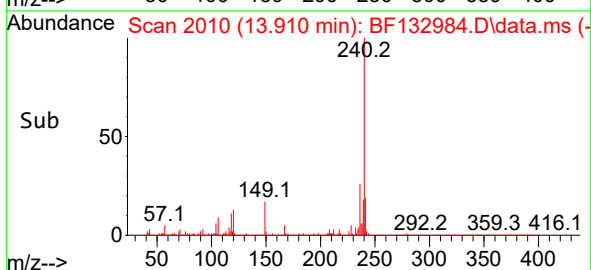
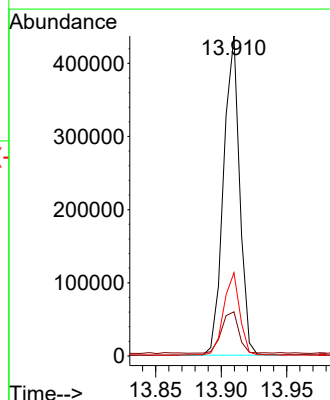
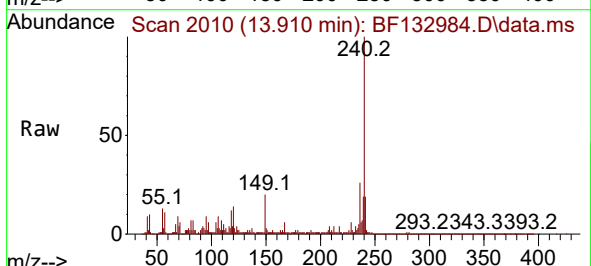
Tgt Ion:240 Resp: 371567

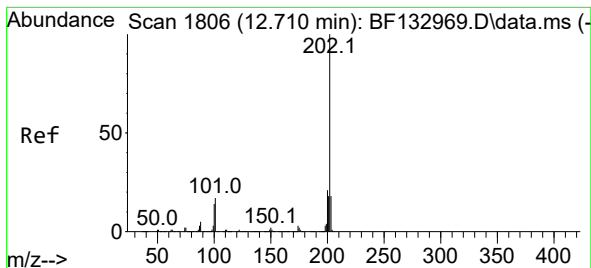
Ion Ratio Lower Upper

240 100

120 13.8 10.5 15.7

236 26.0 21.5 32.3





#78

Pyrene

Concen: 7.593 ng

RT: 12.710 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17

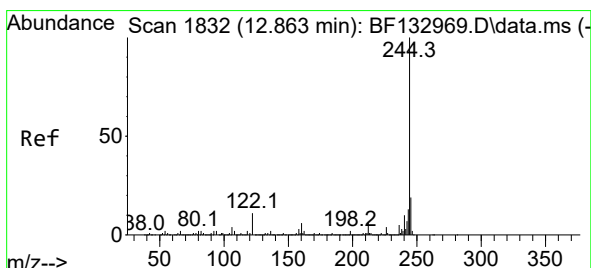
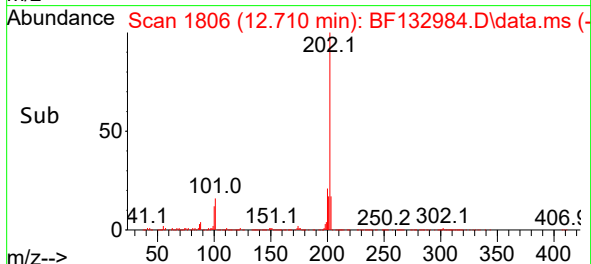
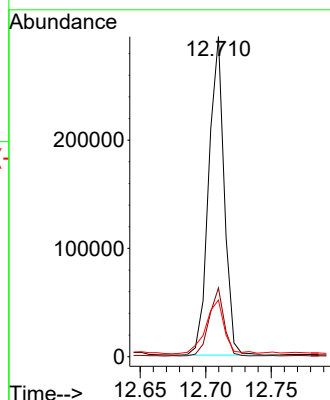
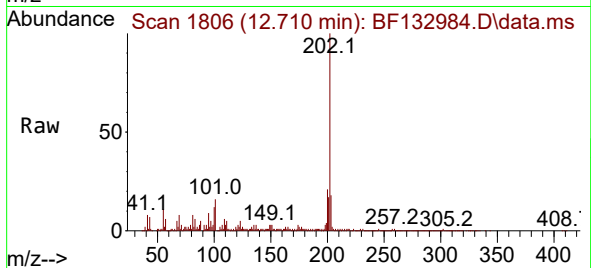
Tgt Ion:202 Resp: 241845

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 29.647 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

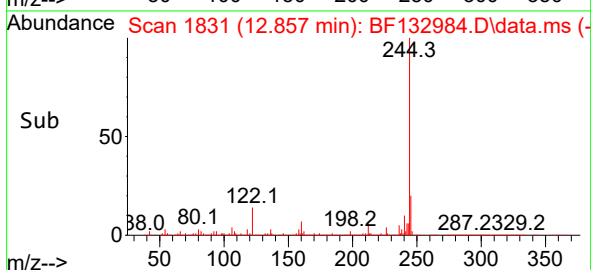
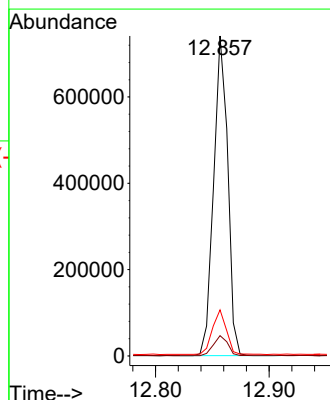
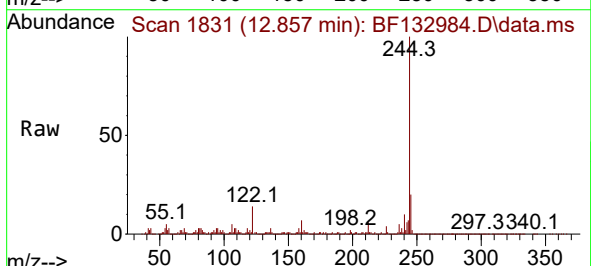
Tgt Ion:244 Resp: 638730

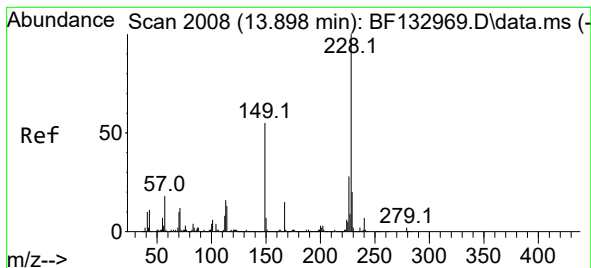
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 14.4 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 4.884 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.035 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17

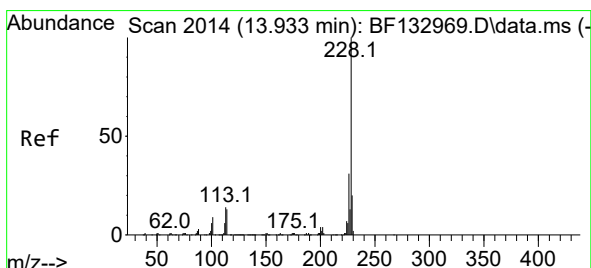
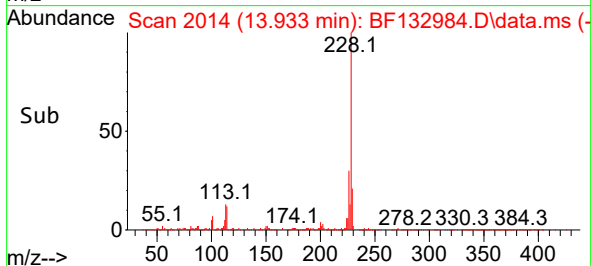
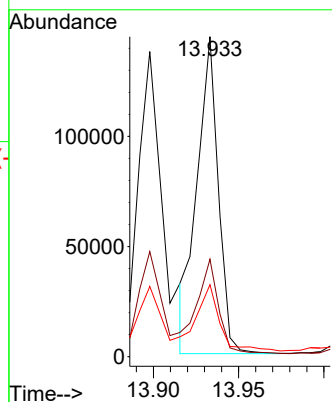
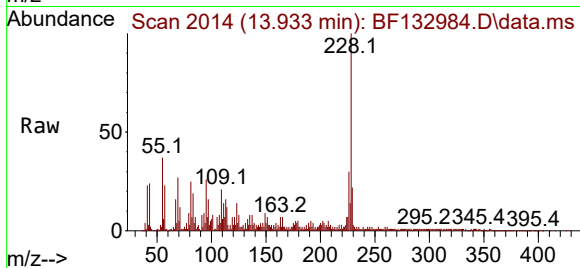
Tgt Ion:228 Resp: 124792

Ion Ratio Lower Upper

228 100

226 30.4 22.2 33.4

229 22.5 16.0 24.0



#83

Chrysene

Concen: 4.885 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

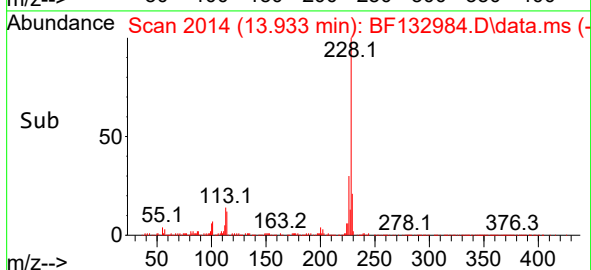
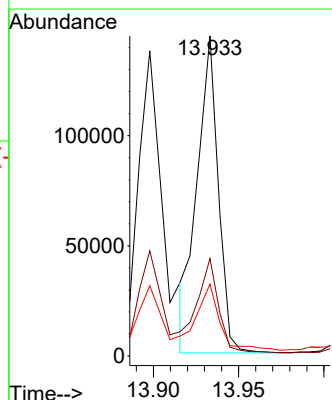
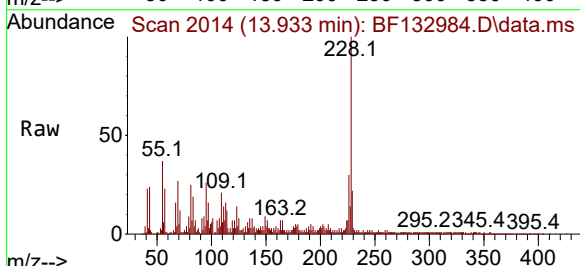
Tgt Ion:228 Resp: 124792

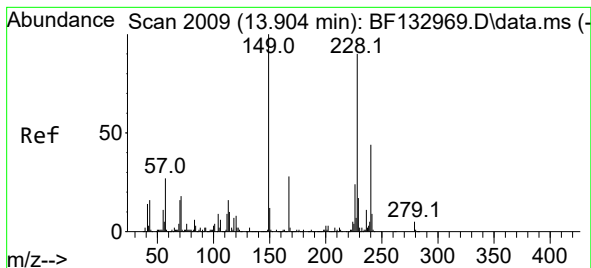
Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

229 22.5 16.1 24.1

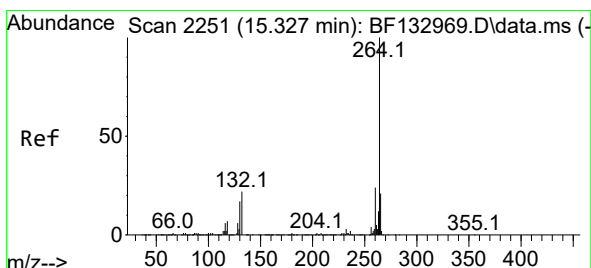
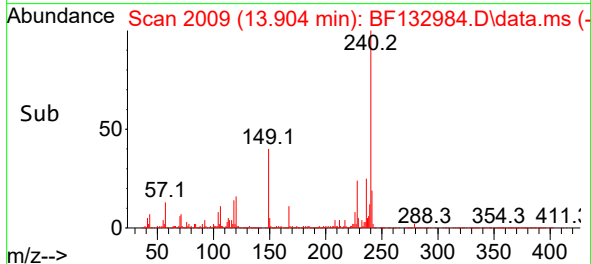
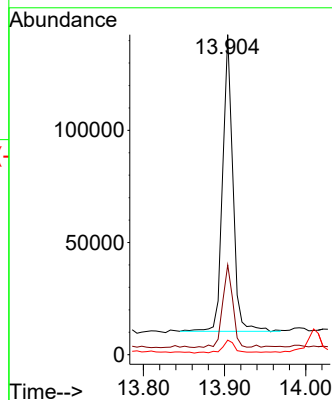
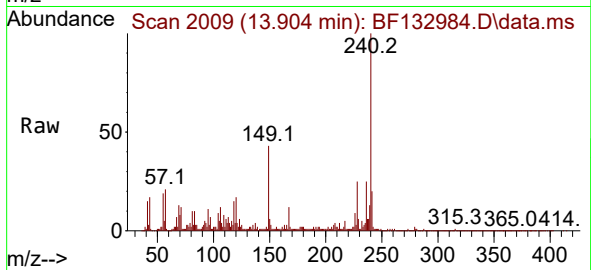




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.259 ng
RT: 13.904 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

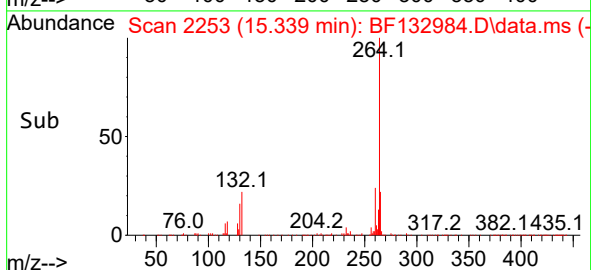
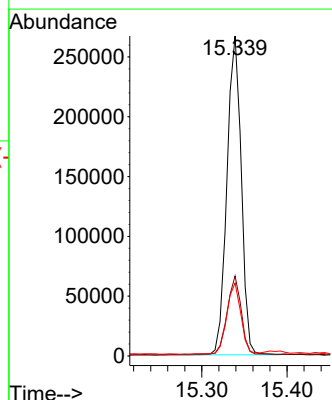
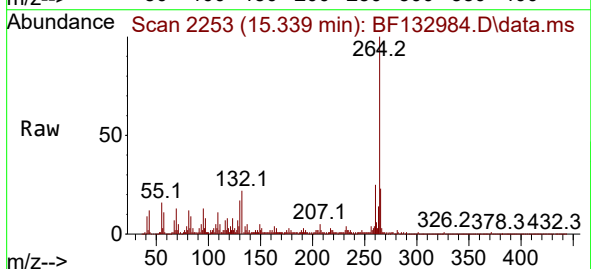
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17

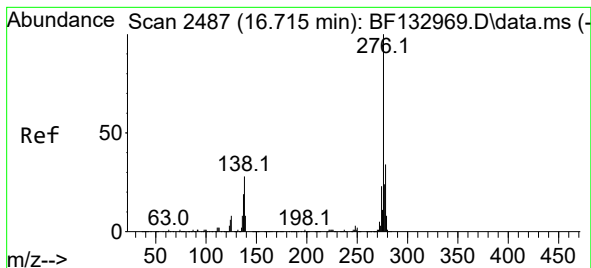
Tgt Ion:149 Resp: 116909
Ion Ratio Lower Upper
149 100
167 28.0 22.5 33.7
279 4.6 4.2 6.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.012 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion:264 Resp: 311083
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.561 ng

RT: 16.721 min Scan# 2488

Delta R.T. 0.006 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17

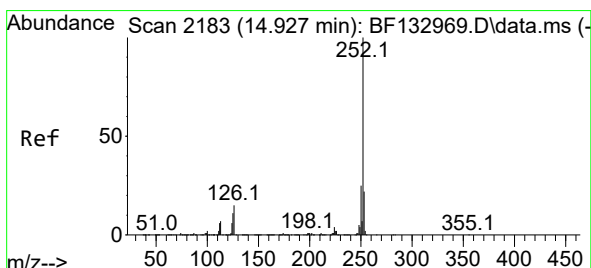
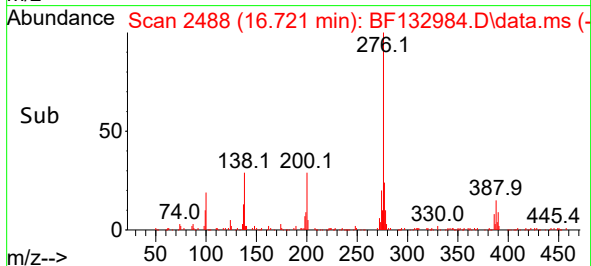
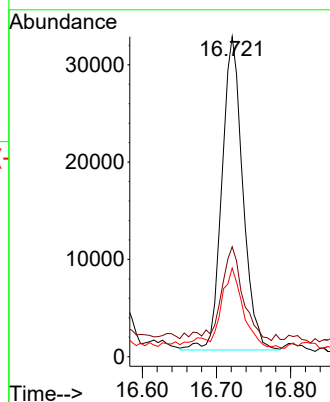
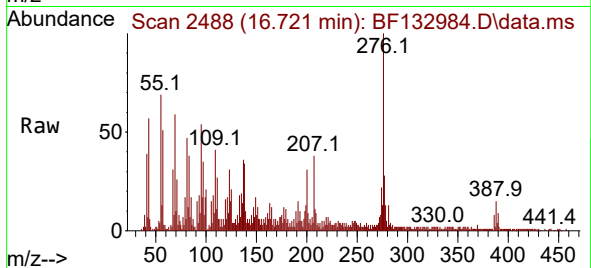
Tgt Ion:276 Resp: 63013

Ion Ratio Lower Upper

276 100

138 30.3 25.5 38.3

277 26.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.321 ng

RT: 14.927 min Scan# 2183

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

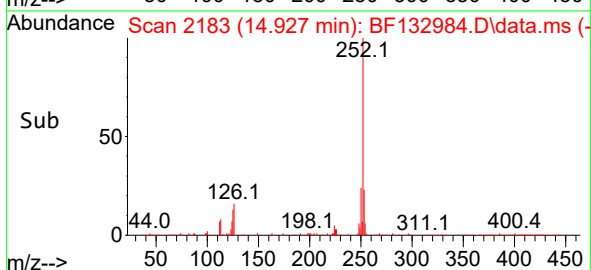
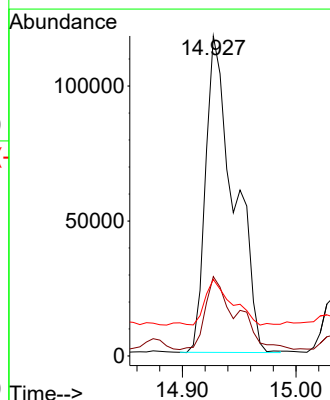
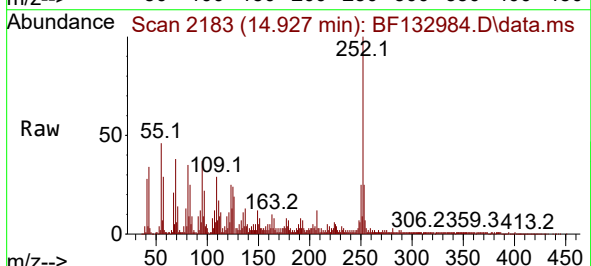
Tgt Ion:252 Resp: 204254

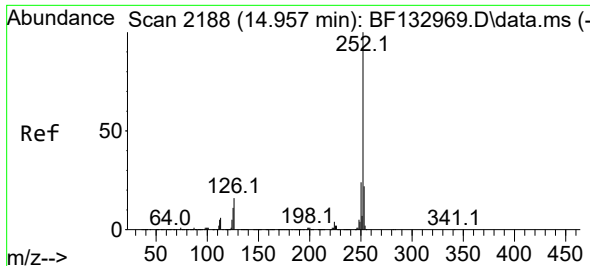
Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

125 23.9 8.9 13.3#

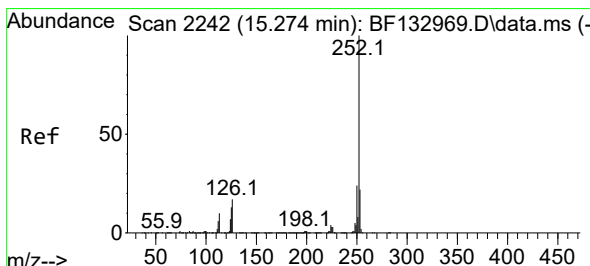
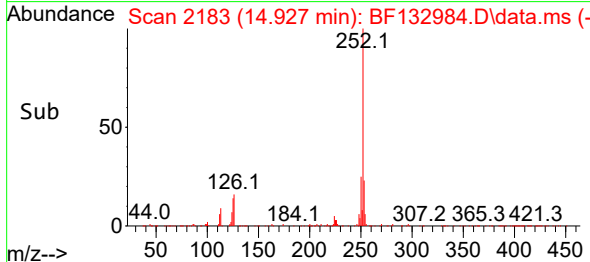
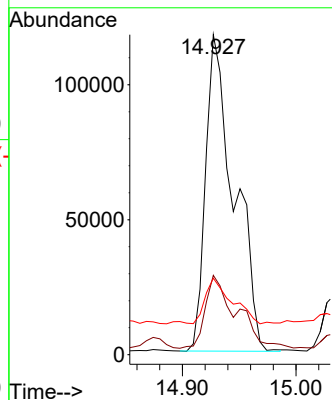
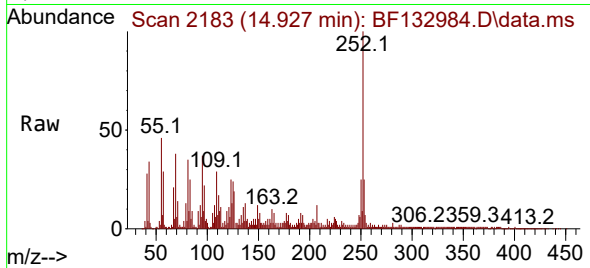




#89
Benzo(k)fluoranthene
Concen: 10.411 ng
RT: 14.927 min Scan# 2188
Delta R.T. -0.029 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

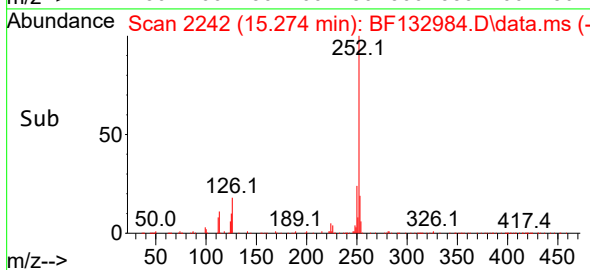
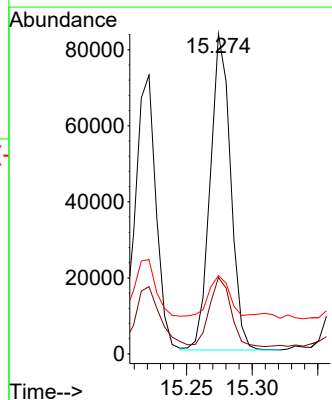
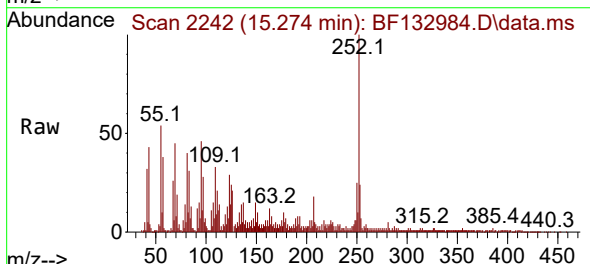
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17

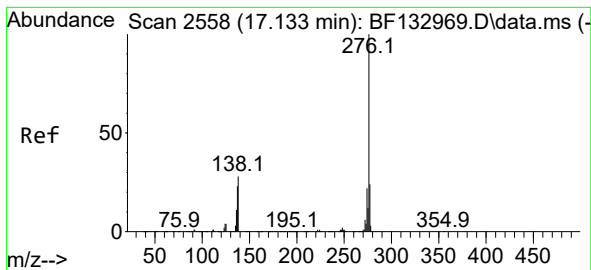
Tgt Ion:252 Resp: 204254
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 23.9 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 4.987 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion:252 Resp: 89828
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 24.5 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 4.192 ng

RT: 17.139 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132984.D

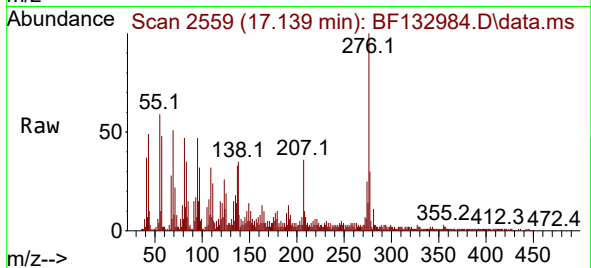
Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17



Tgt Ion:276 Resp: 61074

Ion Ratio Lower Upper

276 100

277 29.8 19.4 29.0#

138 34.6 22.7 34.1#

