

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133086.D
 Acq On : 27 Apr 2023 02:07
 Operator : CG\JU
 Sample : 02423-07 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPD-2WC-23-04-18

Quant Time: Apr 27 04:04:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

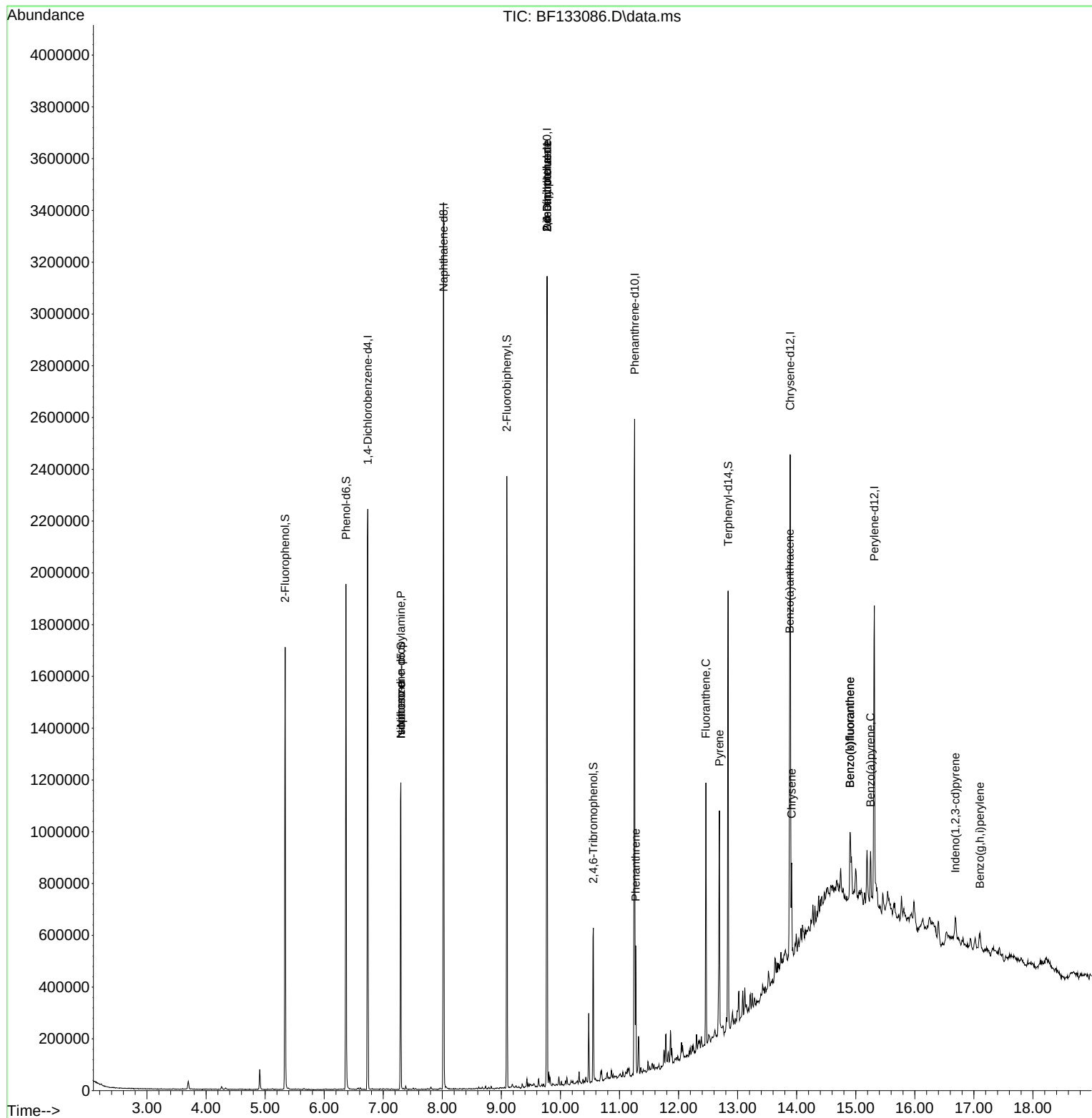
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	329736	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	1270901	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	605907	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	937892	20.000	ng	0.00
76) Chrysene-d12	13.892	240	625560	20.000	ng	0.00
86) Perylene-d12	15.315	264	512270	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	456144	20.897	ng	0.00
7) Phenol-d6	6.369	99	582212	21.489	ng	-0.01
23) Nitrobenzene-d5	7.298	82	345577	14.677	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	65464	10.743	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	653847	18.054	ng	0.00
79) Terphenyl-d14	12.839	244	551272	15.199	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.286	77	363	Below Cal	#	43
19) n-Nitroso-di-n-propyla...	7.298	70	45418	2.693	ng	# 77
25) Isophorone	7.298	82	344027	7.696	ng	# 63
50) Dimethylphthalate	9.774	163	127005	3.006	ng	# 1
51) 2,6-Dinitrotoluene	9.774	165	79216	8.331	ng	# 25
57) 2,4-Dinitrotoluene	9.774	165	79216	6.532	ng	# 23
71) Phenanthrene	11.274	178	158228	3.139	ng	99
75) Fluoranthene	12.463	202	362012	7.156	ng	97
78) Pyrene	12.692	202	334561	6.239	ng	99
81) Benzo(a)anthracene	13.880	228	143754	3.342	ng	98
83) Chrysene	13.915	228	152379	3.543	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	59563	2.044	ng	92
88) Benzo(b)fluoranthene	14.904	252	206076	6.323	ng	# 93
89) Benzo(k)fluoranthene	14.904	252	206076	6.379	ng	# 93
90) Benzo(a)pyrene	15.251	252	97945	3.302	ng	# 93
92) Benzo(g,h,i)perylene	17.103	276	55802	2.326	ng	95

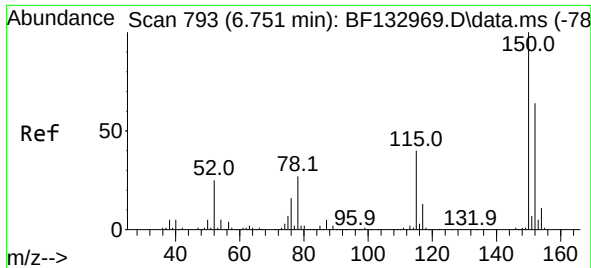
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133086.D
Acq On : 27 Apr 2023 02:07
Operator : CG\JU
Sample : 02423-07 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

Quant Time: Apr 27 04:04:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
Response via : Initial Calibration

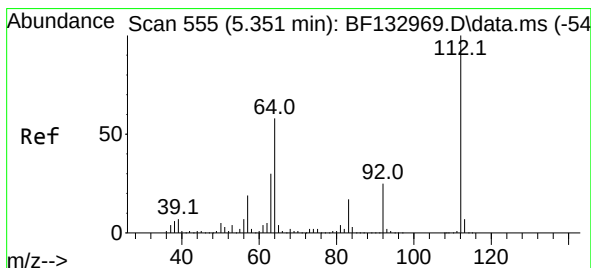
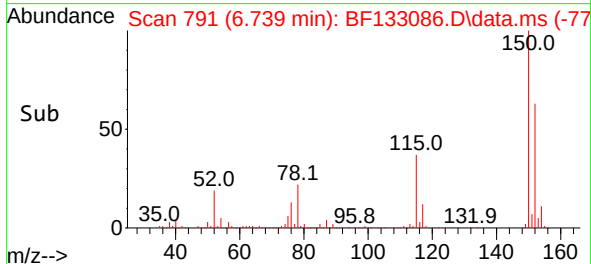
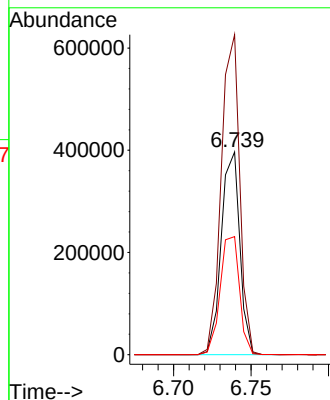
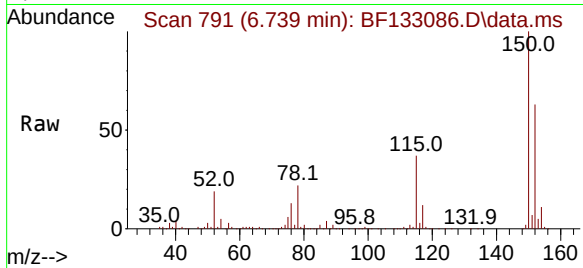




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

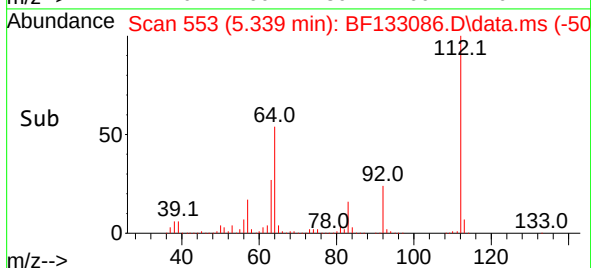
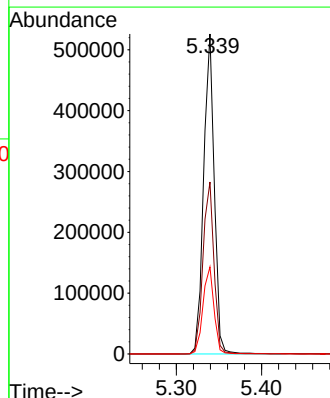
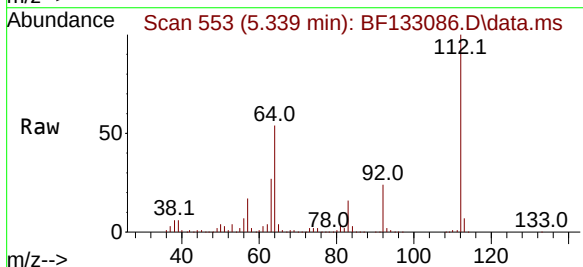
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

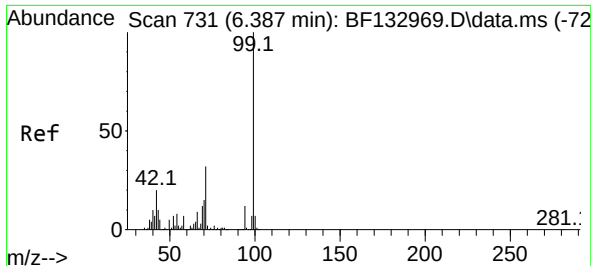
Tgt Ion:152 Resp: 329736
Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 58.2 49.9 74.9



#5
2-Fluorophenol
Concen: 20.897 ng
RT: 5.339 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:112 Resp: 456144
Ion Ratio Lower Upper
112 100
64 53.8 46.8 70.2
63 27.2 23.8 35.8

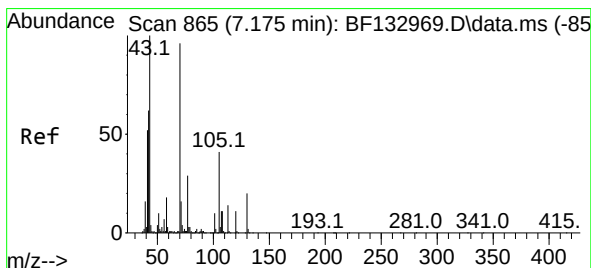
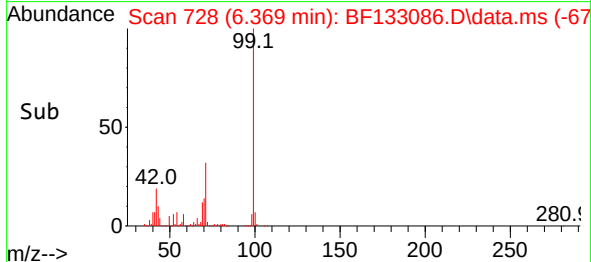
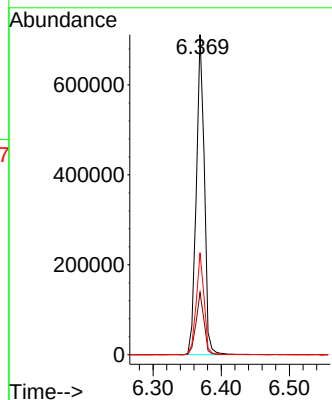
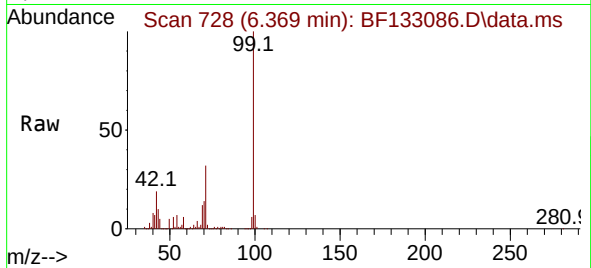




#7
Phenol-d6
Concen: 21.489 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

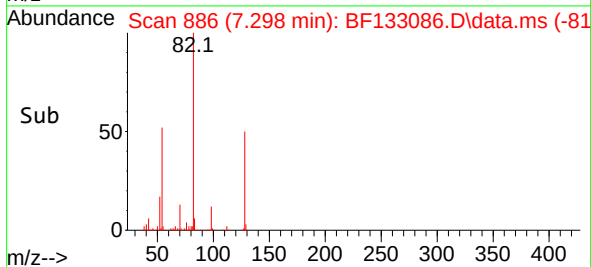
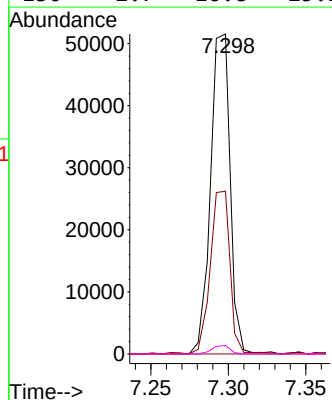
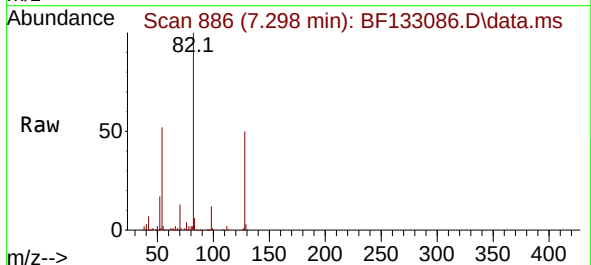
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

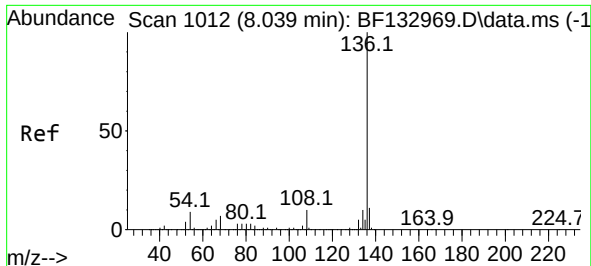
Tgt Ion: 99 Resp: 582212
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 31.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.693 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion: 70 Resp: 45418
Ion Ratio Lower Upper
70 100
42 50.8 51.8 77.6#
101 0.0 8.0 12.0#
130 2.7 16.8 25.2#

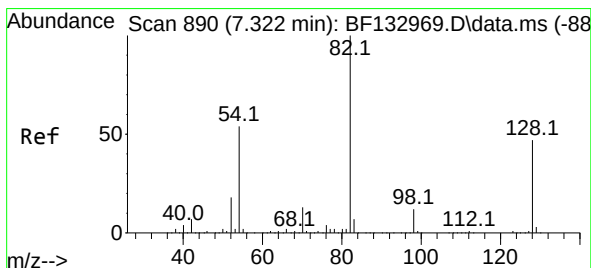
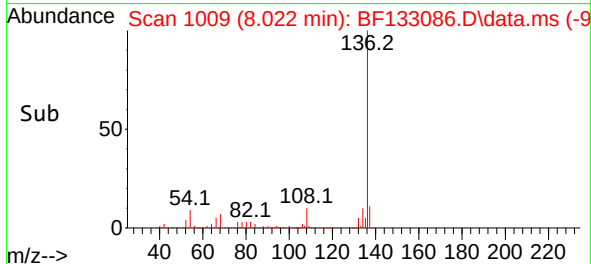
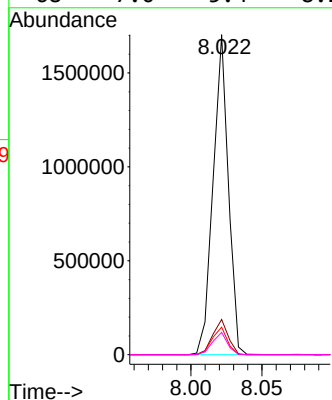
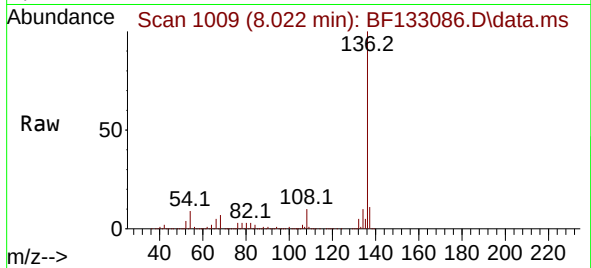




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

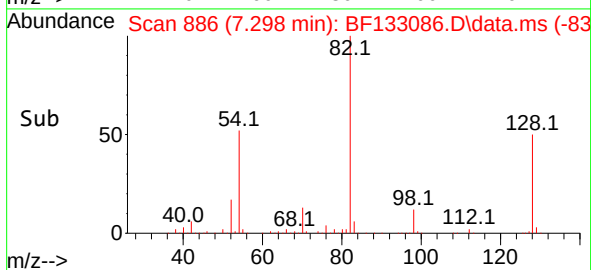
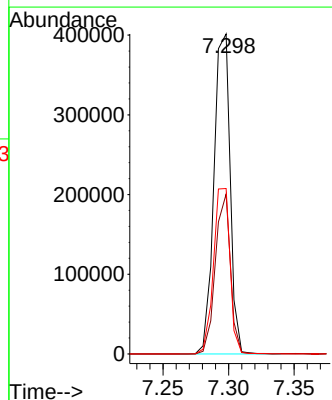
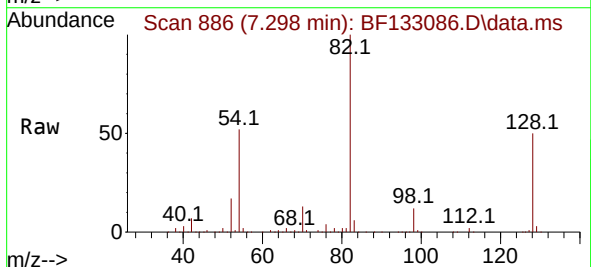
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

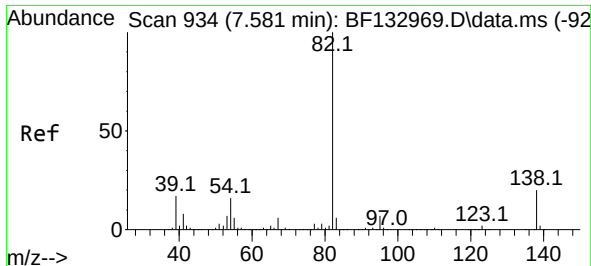
Tgt Ion:136 Resp: 1270901
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 7.0 10.4
68 7.0 5.4 8.2



#23
Nitrobenzene-d5
Concen: 14.677 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion: 82 Resp: 345577
Ion Ratio Lower Upper
82 100
128 49.9 37.7 56.5
54 51.7 43.0 64.4

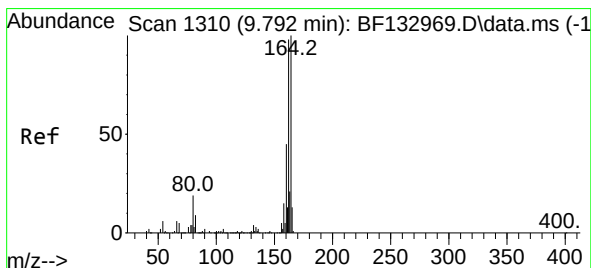
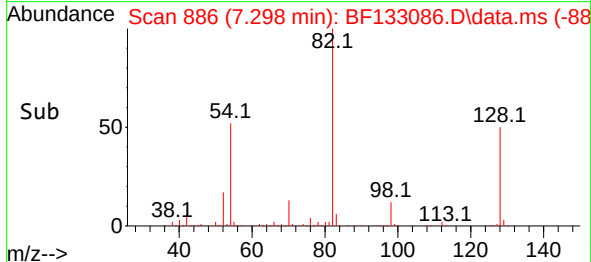
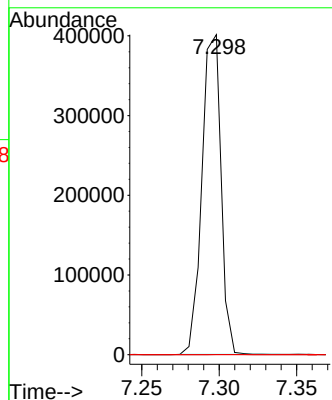
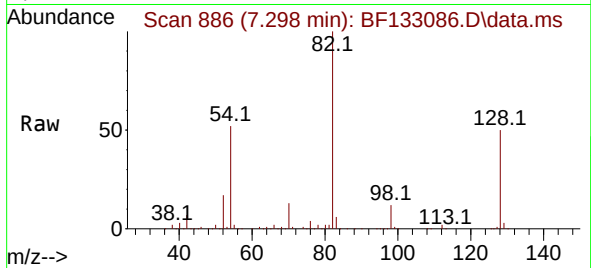




#25
Isophorone
Concen: 7.696 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

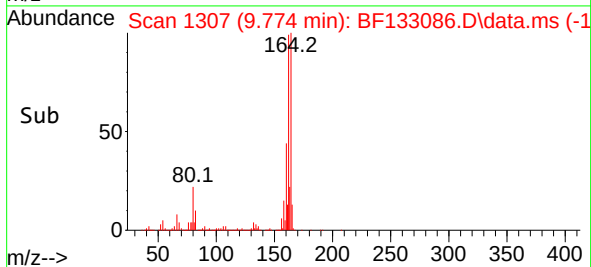
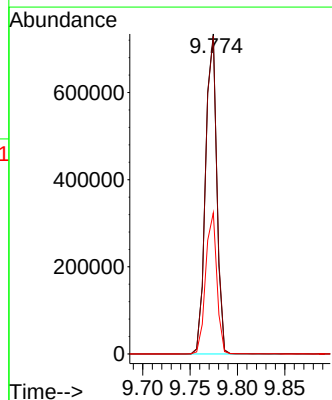
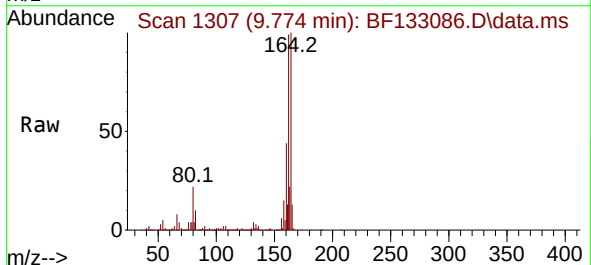
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

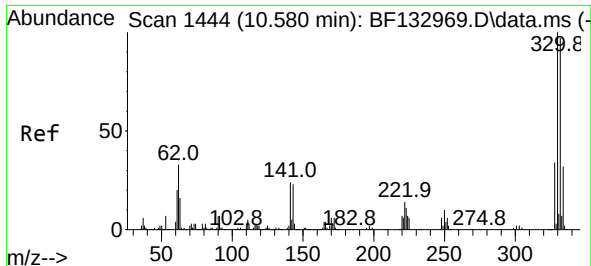
Tgt Ion: 82 Resp: 344027
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:164 Resp: 605907
Ion Ratio Lower Upper
164 100
162 99.4 78.7 118.1
160 44.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 10.743 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

SPD-2WC-23-04-18

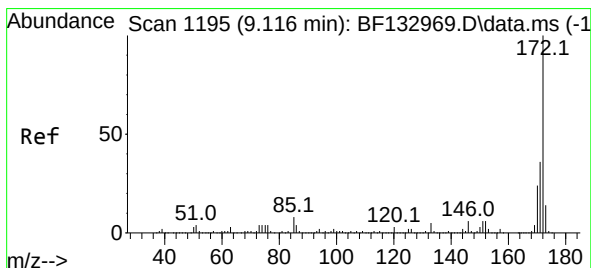
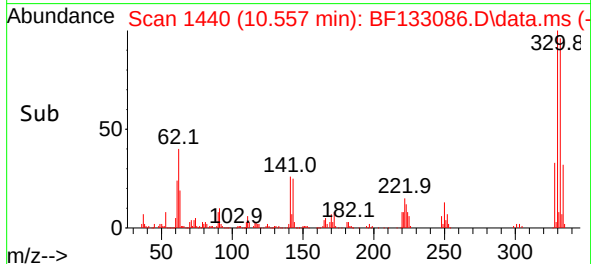
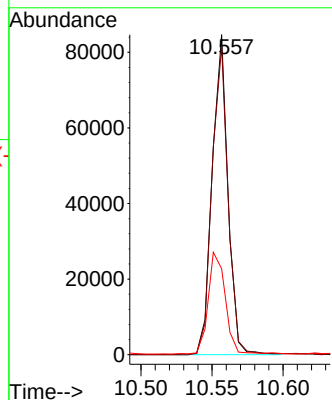
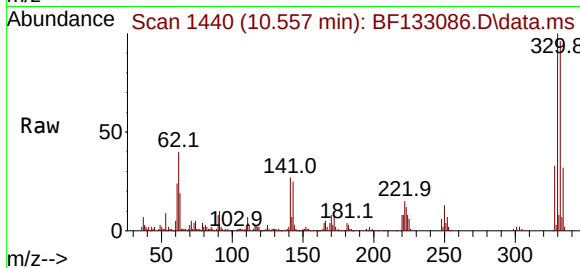
Tgt Ion:330 Resp: 65464

Ion Ratio Lower Upper

330 100

332 98.5 77.1 115.7

141 34.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 18.054 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

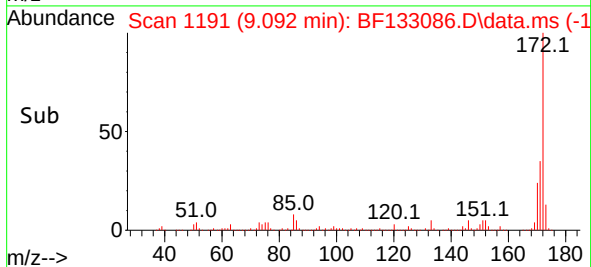
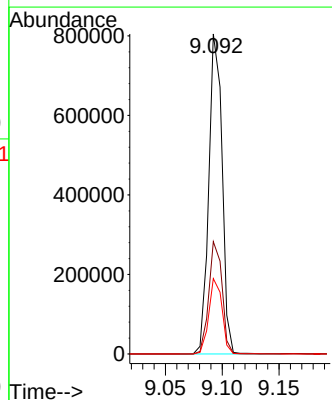
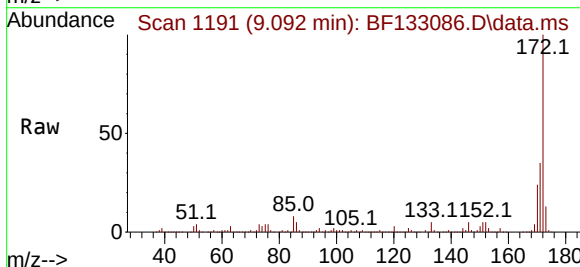
Tgt Ion:172 Resp: 653847

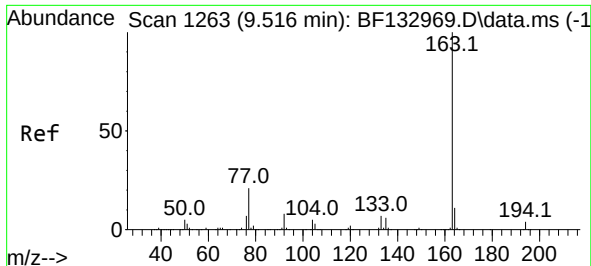
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.5 19.4 29.2

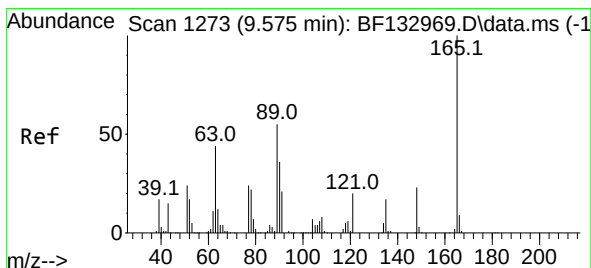
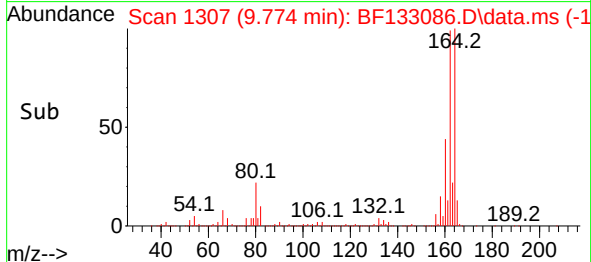
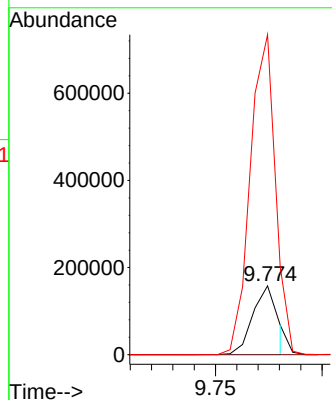
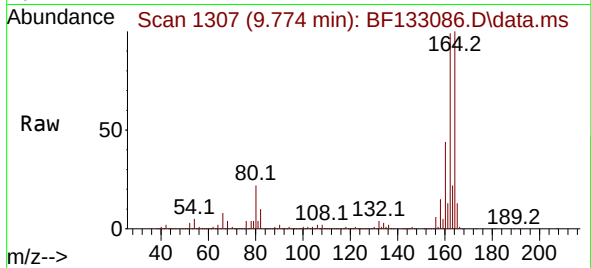




#50
Dimethylphthalate
Concen: 3.006 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

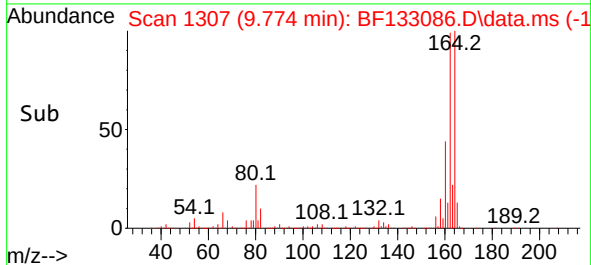
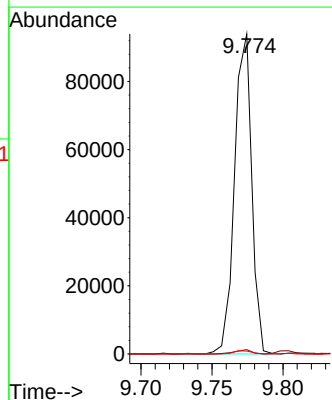
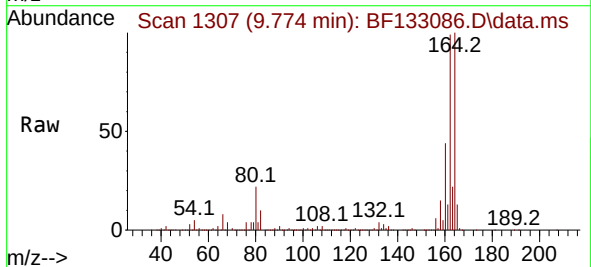
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

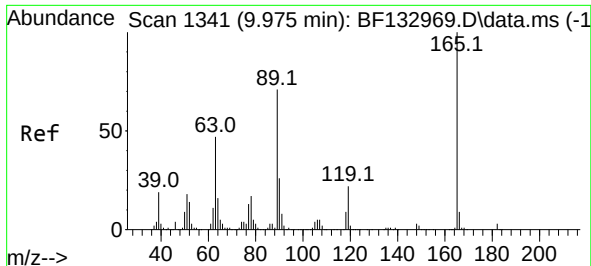
Tgt Ion:163 Resp: 127005
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 464.6 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.331 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.218 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:165 Resp: 79216
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 0.9 44.0 66.0#

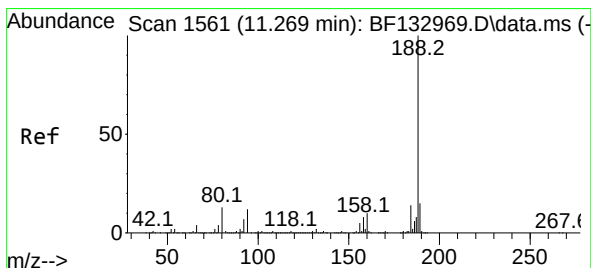
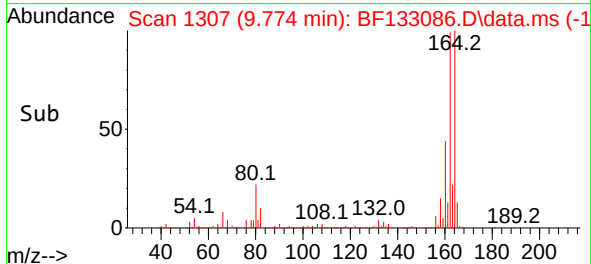
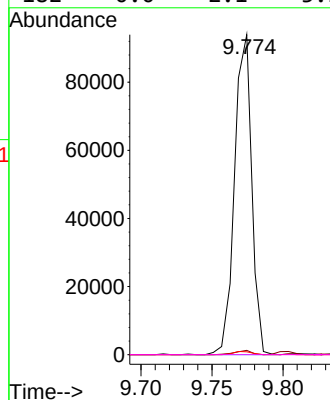
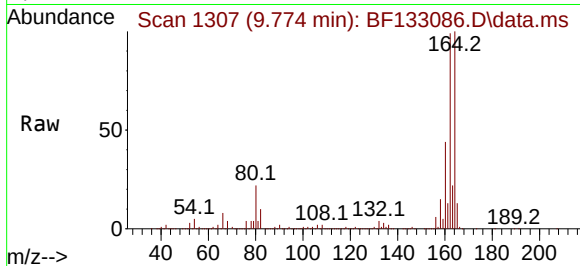




#57
2,4-Dinitrotoluene
Concen: 6.532 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

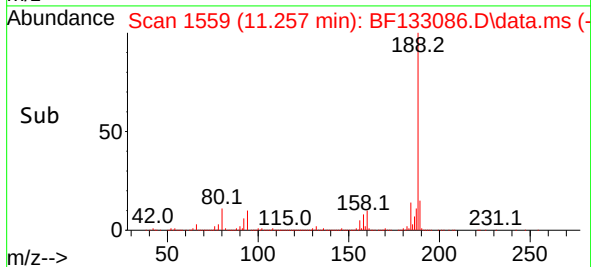
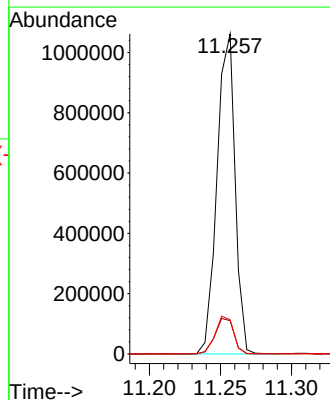
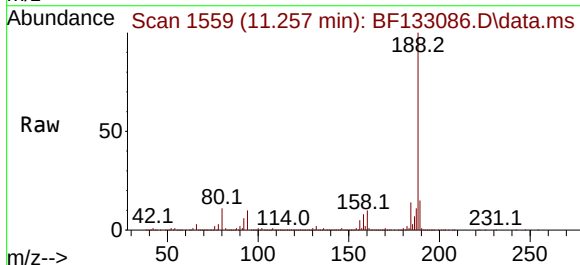
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

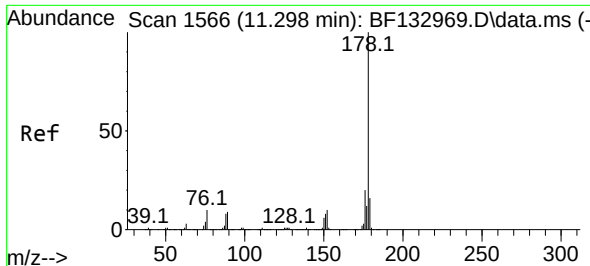
Tgt Ion:165 Resp: 79216
Ion Ratio Lower Upper
165 100
63 1.4 37.7 56.5#
89 0.9 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:188 Resp: 937892
Ion Ratio Lower Upper
188 100
94 10.4 9.7 14.5
80 10.7 10.4 15.6

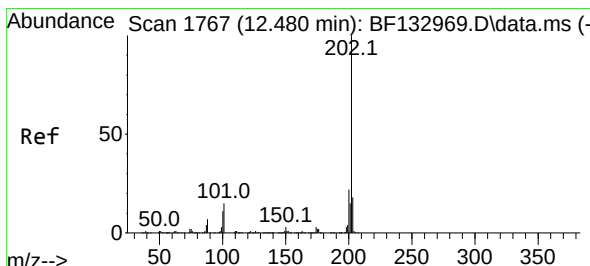
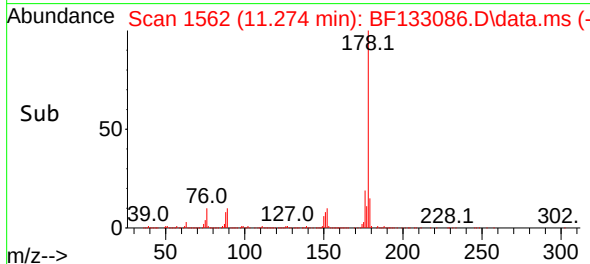
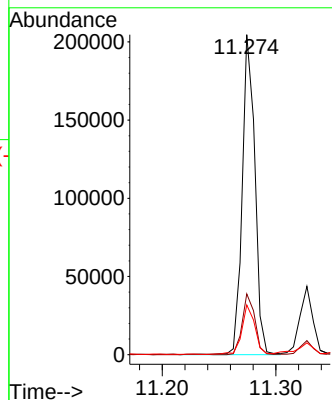
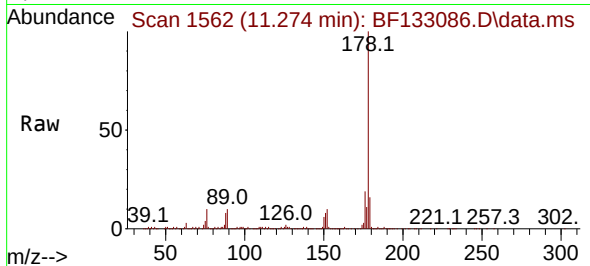




#71
Phenanthrene
Concen: 3.139 ng
RT: 11.274 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

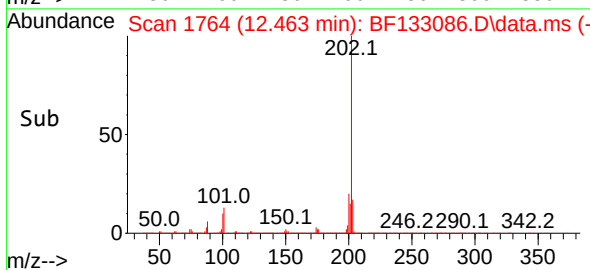
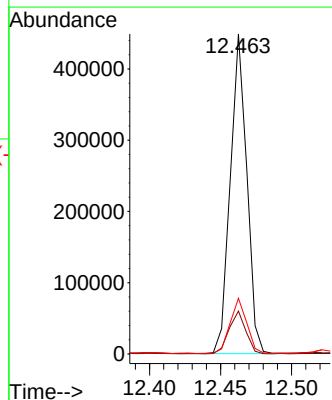
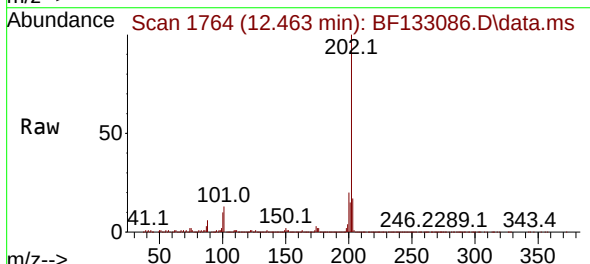
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

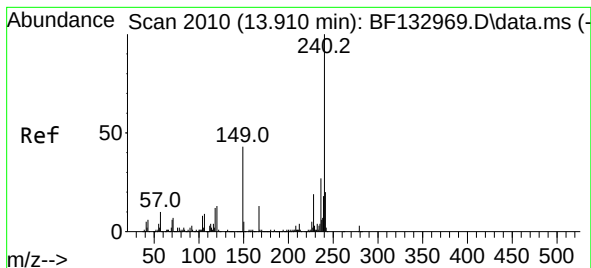
Tgt Ion:178 Resp: 158228
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.5 18.7



#75
Fluoranthene
Concen: 7.156 ng
RT: 12.463 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:202 Resp: 362012
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.3
203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.892 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

SPD-2WC-23-04-18

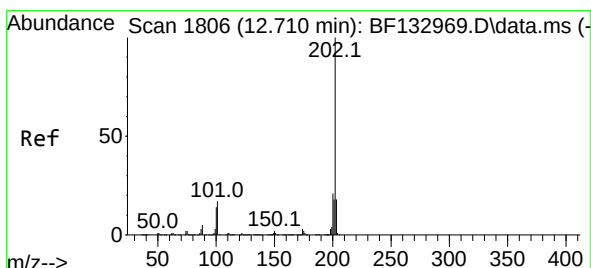
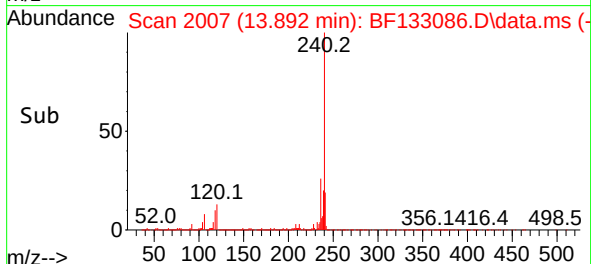
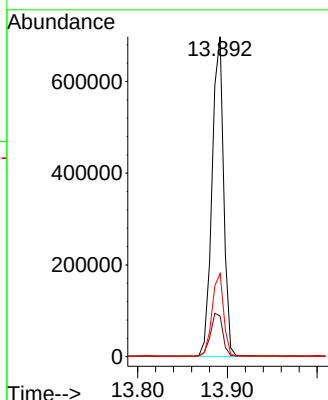
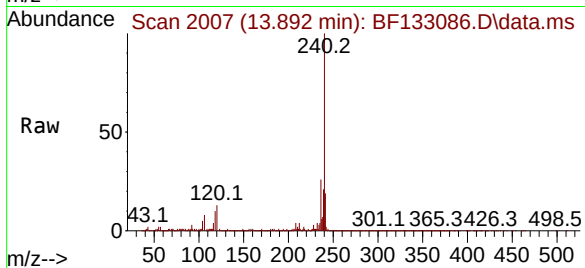
Tgt Ion:240 Resp: 625560

Ion Ratio Lower Upper

240 100

120 12.7 10.5 15.7

236 26.0 21.5 32.3



#78

Pyrene

Concen: 6.239 ng

RT: 12.692 min Scan# 1803

Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

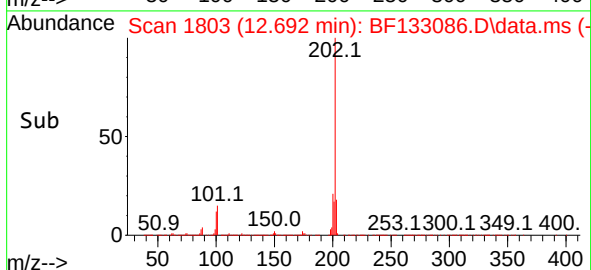
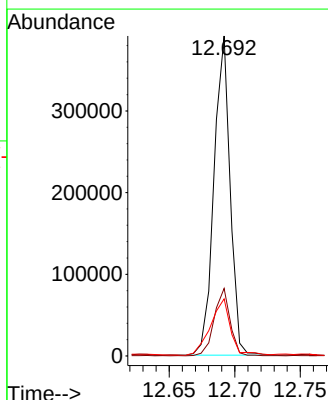
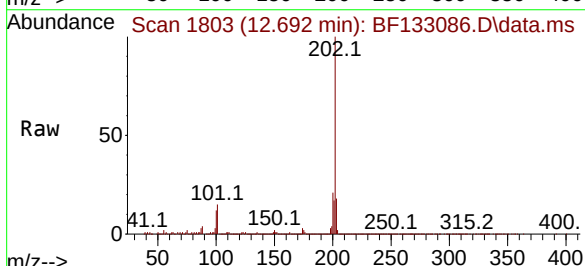
Tgt Ion:202 Resp: 334561

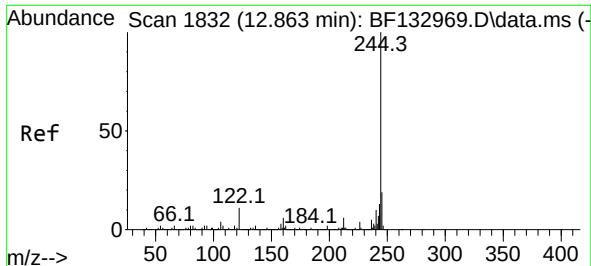
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.9 14.1 21.1

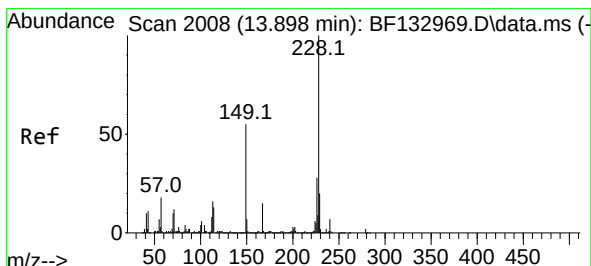
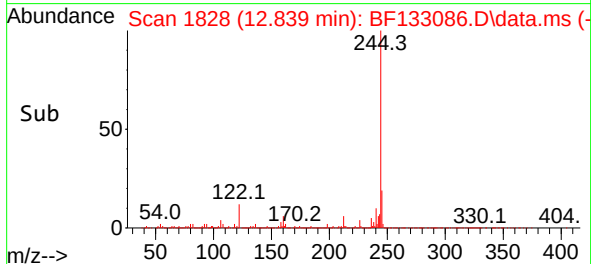
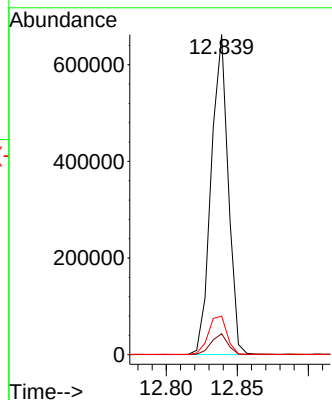
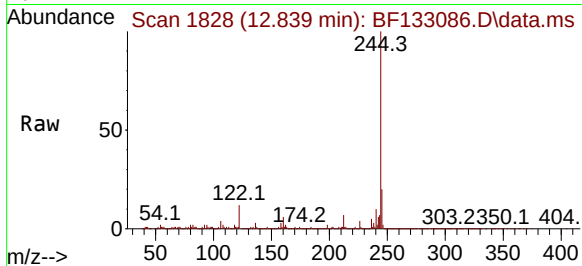




#79
 Terphenyl-d14
 Concen: 15.199 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. -0.000 min
 Lab File: BF133086.D
 Acq: 27 Apr 2023 02:07

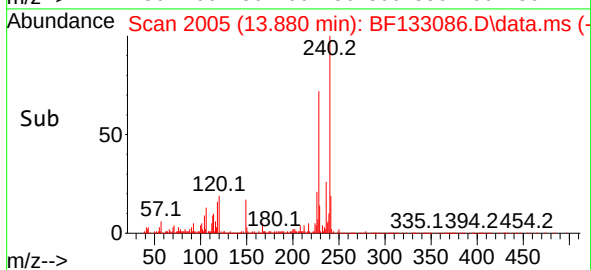
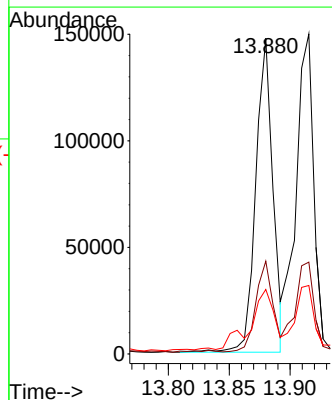
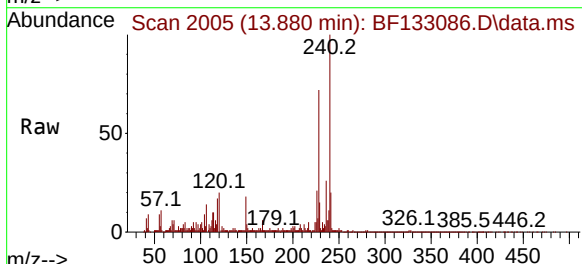
Instrument :
 BNA_F
 ClientSampleId :
 SPD-2WC-23-04-18

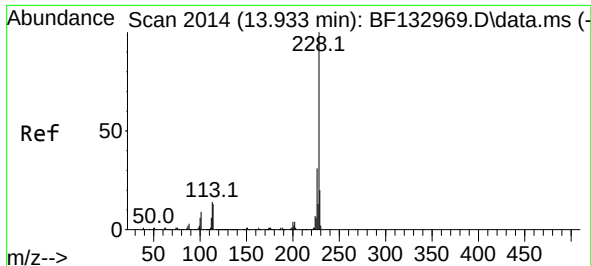
Tgt Ion:244 Resp: 551272
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 12.1 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 3.342 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: BF133086.D
 Acq: 27 Apr 2023 02:07

Tgt Ion:228 Resp: 143754
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.2 33.4
 229 20.5 16.0 24.0

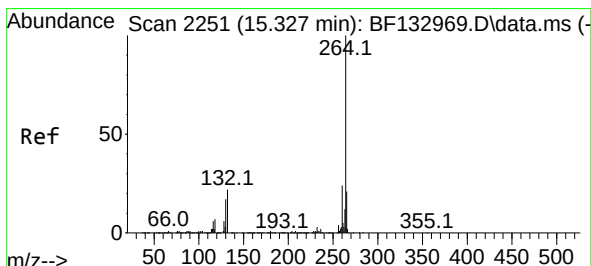
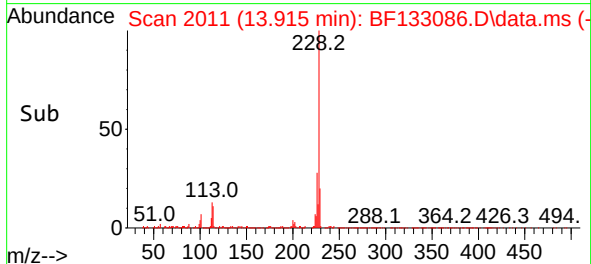
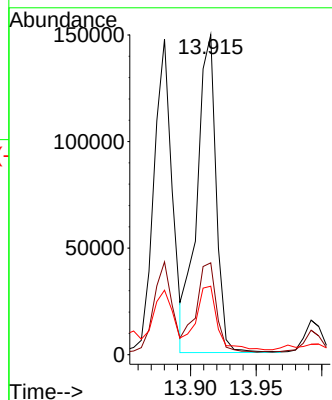
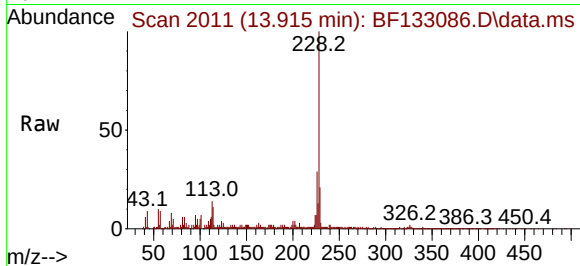




#83
Chrysene
Concen: 3.543 ng
RT: 13.915 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

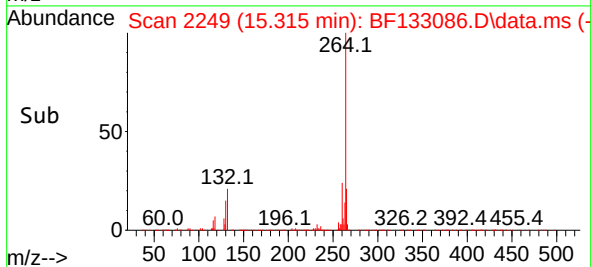
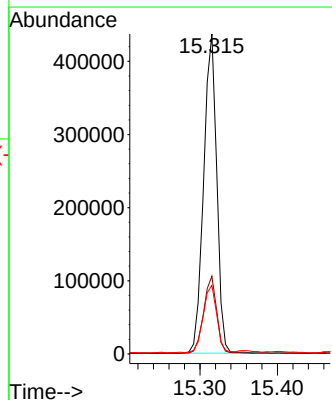
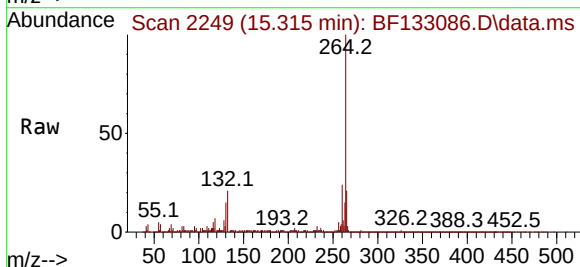
Instrument :
BNA_F
ClientSampleId :
SPD-2WC-23-04-18

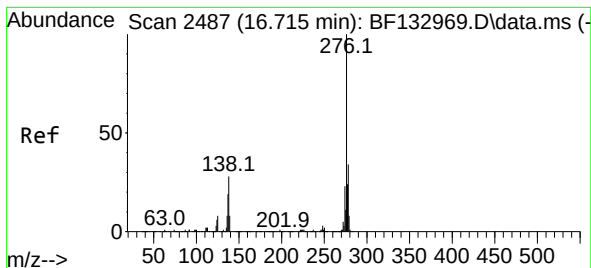
Tgt Ion:228 Resp: 152379
Ion Ratio Lower Upper
228 100
226 28.7 24.7 37.1
229 21.4 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF133086.D
Acq: 27 Apr 2023 02:07

Tgt Ion:264 Resp: 512270
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 21.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.044 ng

RT: 16.686 min Scan# 2487

Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

SPD-2WC-23-04-18

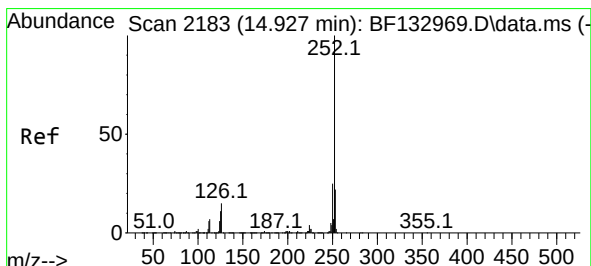
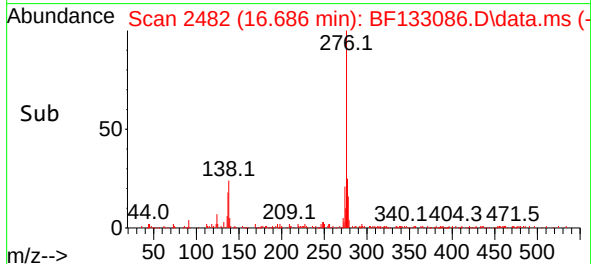
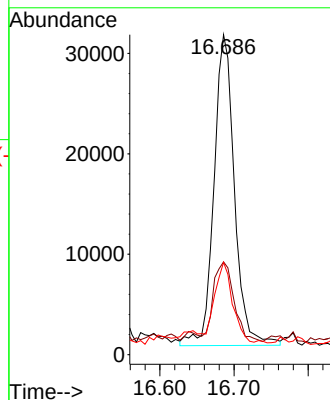
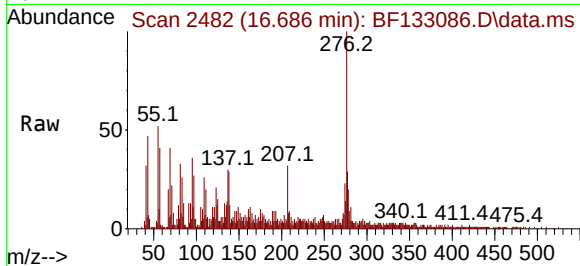
Tgt Ion:276 Resp: 59563

Ion Ratio Lower Upper

276 100

138 25.9 25.5 38.3

277 23.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 6.323 ng

RT: 14.904 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

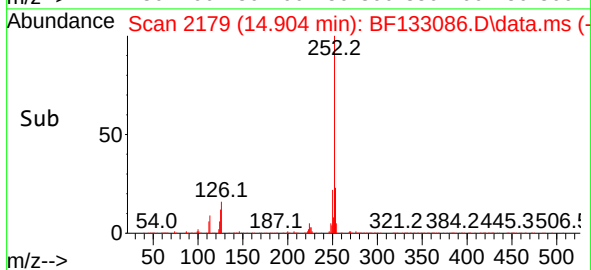
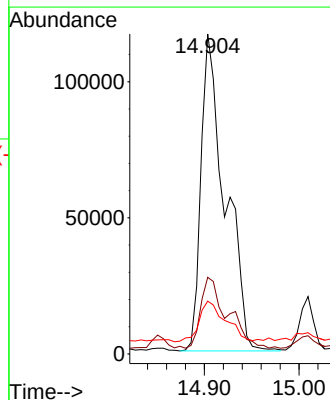
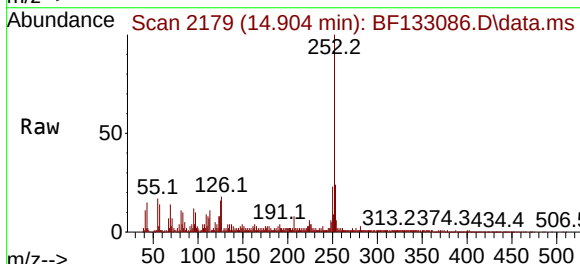
Tgt Ion:252 Resp: 206076

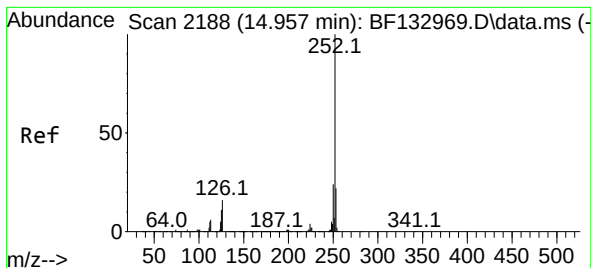
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 16.5 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 6.379 ng

RT: 14.904 min Scan# 2188

Delta R.T. -0.029 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

SPD-2WC-23-04-18

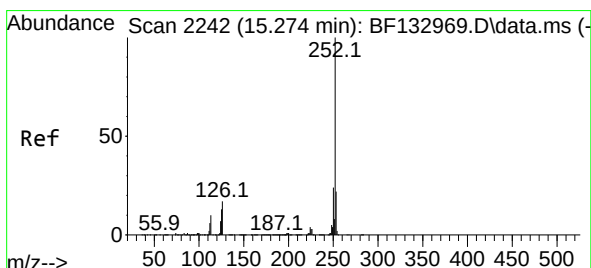
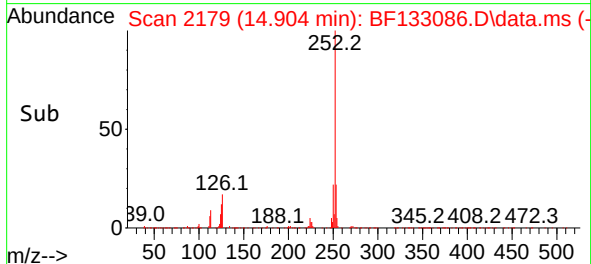
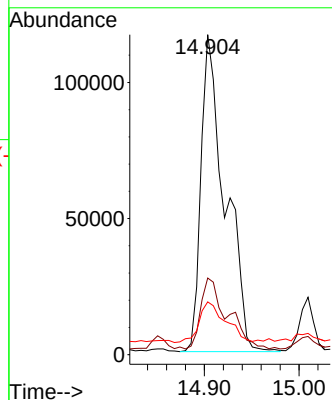
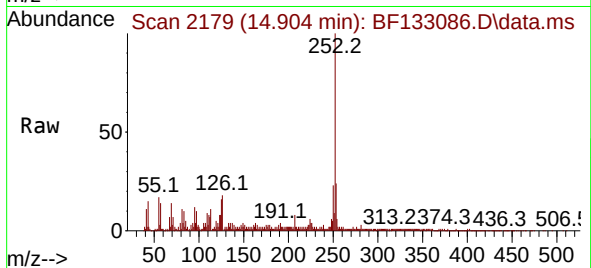
Tgt Ion:252 Resp: 206076

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 16.5 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 3.302 ng

RT: 15.251 min Scan# 2238

Delta R.T. -0.000 min

Lab File: BF133086.D

Acq: 27 Apr 2023 02:07

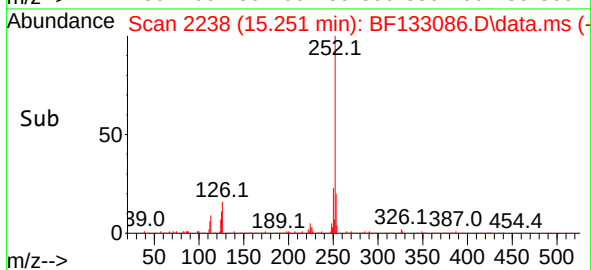
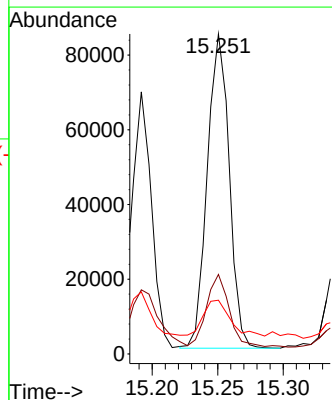
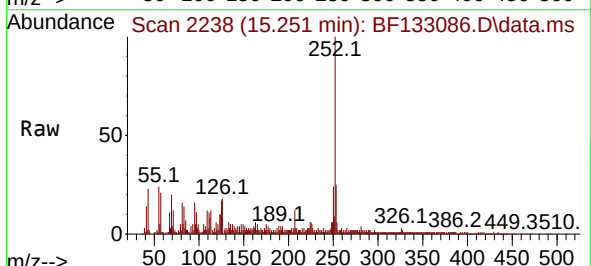
Tgt Ion:252 Resp: 97945

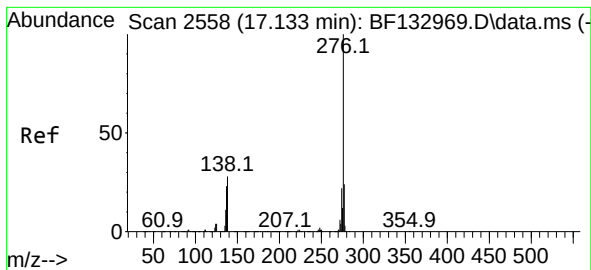
Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 16.8 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 2.326 ng

RT: 17.103 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133086.D

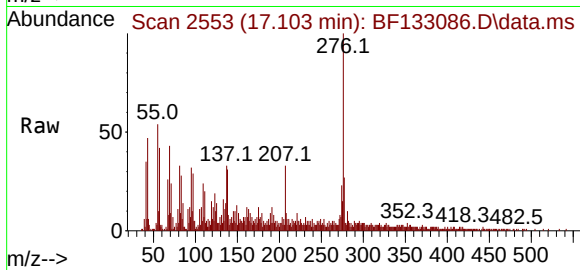
Acq: 27 Apr 2023 02:07

Instrument :

BNA_F

ClientSampleId :

SPD-2WC-23-04-18



Tgt Ion:276 Resp: 55802

Ion Ratio Lower Upper

276 100

277 26.7 19.4 29.0

138 30.8 22.7 34.1

