

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
 Data File : BF132308.D
 Acq On : 02 Feb 2023 23:56
 Operator : CG\JU
 Sample : 01287-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B5(12-18)

Quant Time: Feb 03 00:27:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 02 01:30:34 2023
 Response via : Initial Calibration

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

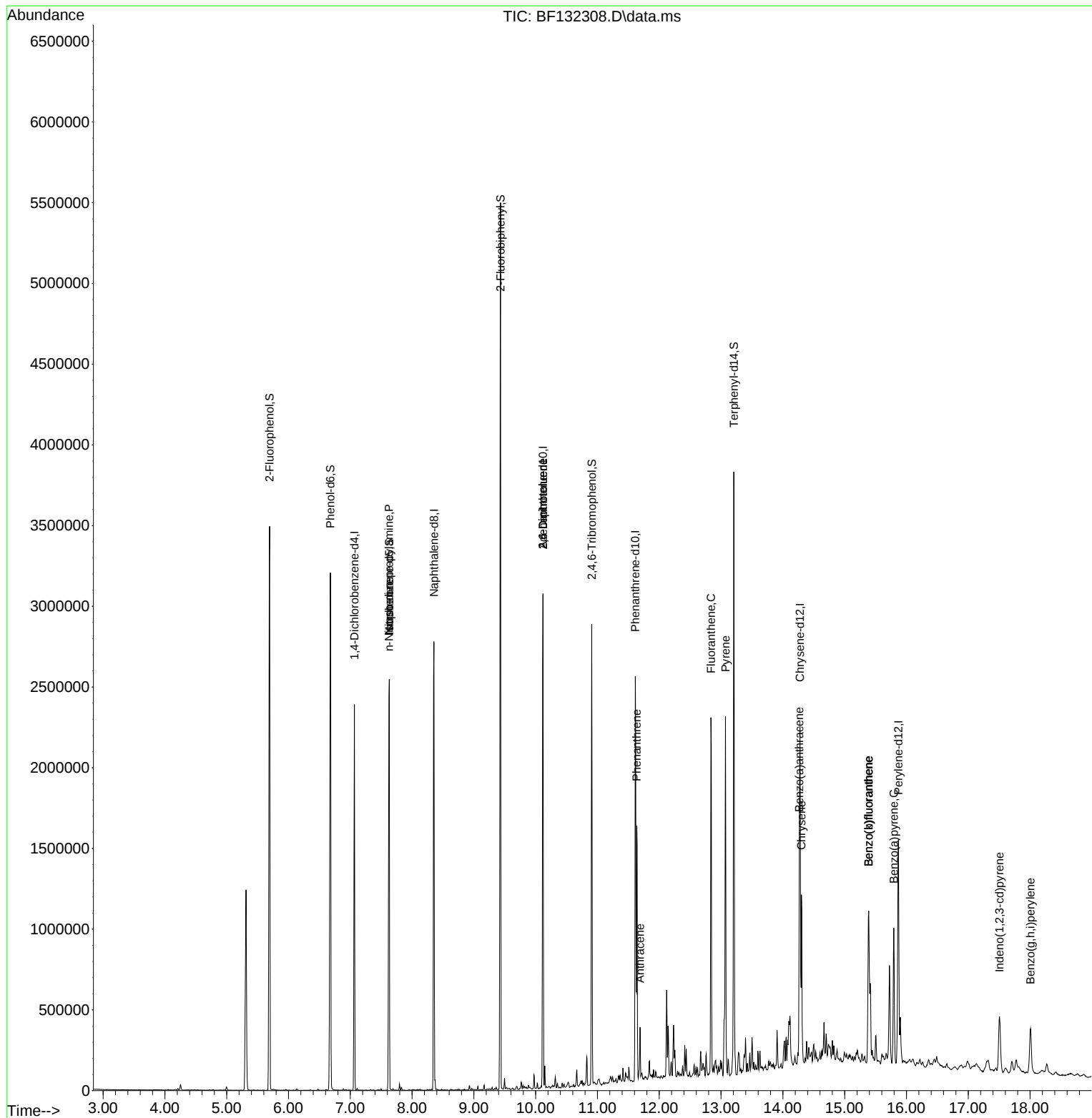
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	346352	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	1269351	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	622442	20.000	ng	0.00
64) Phenanthrene-d10	11.613	188	976655	20.000	ng	-0.01
76) Chrysene-d12	14.277	240	576073	20.000	ng	-0.01
86) Perylene-d12	15.871	264	690867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	1274664	59.156	ng	0.01
7) Phenol-d6	6.678	99	1538133	57.901	ng	0.00
23) Nitrobenzene-d5	7.631	82	945290	41.441	ng	0.00
42) 2,4,6-Tribromophenol	10.907	330	345780	54.020	ng	-0.01
45) 2-Fluorobiphenyl	9.431	172	1658388	41.144	ng	0.00
79) Terphenyl-d14	13.207	244	1245744	41.831	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.613	77	483	Below Cal		85
19) n-Nitroso-di-n-propyla...	7.625	70	118414	7.848 ng	#	78
25) Isophorone	7.631	82	945275	21.833 ng	#	64
51) 2,6-Dinitrotoluene	10.119	165	84220	8.661 ng	#	25
57) 2,4-Dinitrotoluene	10.119	165	84220	6.667 ng	#	23
71) Phenanthrene	11.636	178	594987	11.658 ng		98
72) Anthracene	11.689	178	109722	2.113 ng		98
75) Fluoranthene	12.836	202	902505	17.329 ng		99
78) Pyrene	13.072	202	841522	18.162 ng		99
81) Benzo(a)anthracene	14.266	228	426735	10.591 ng		97
83) Chrysene	14.301	228	405293	10.743 ng		97
87) Indeno(1,2,3-cd)pyrene	17.506	276	254638	5.547 ng		95
88) Benzo(b)fluoranthene	15.389	252	779345	17.747 ng		99
89) Benzo(k)fluoranthene	15.389	252	779345	18.592 ng		99
90) Benzo(a)pyrene	15.795	252	424196	10.373 ng		99
92) Benzo(g,h,i)perylene	18.006	276	235030	6.164 ng		99

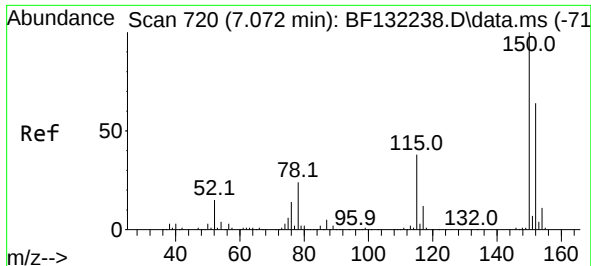
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 02 01:30:34 2023
Response via : Initial Calibration

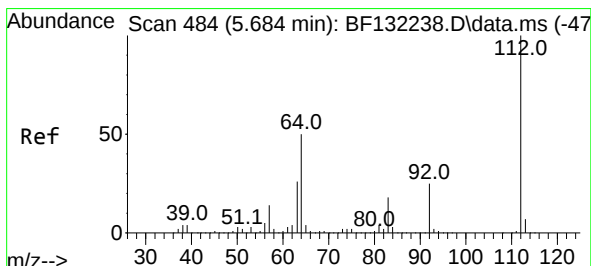
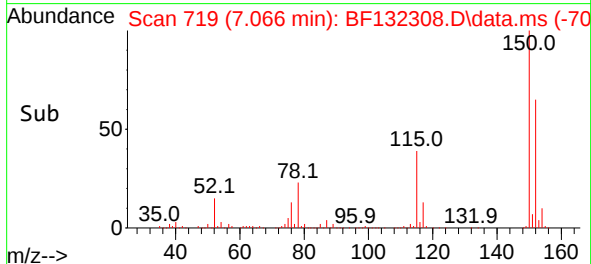
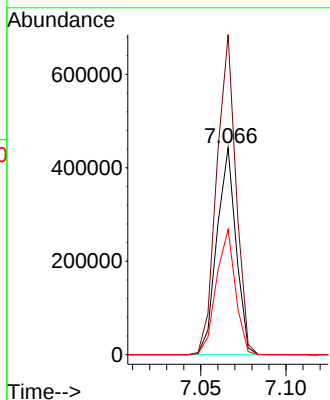
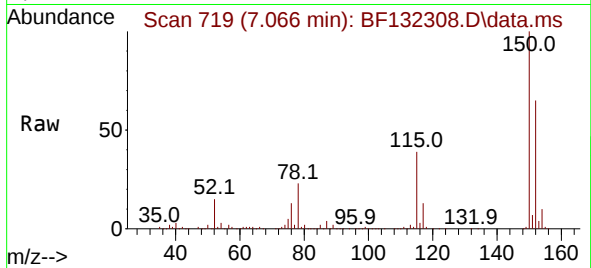




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.066 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

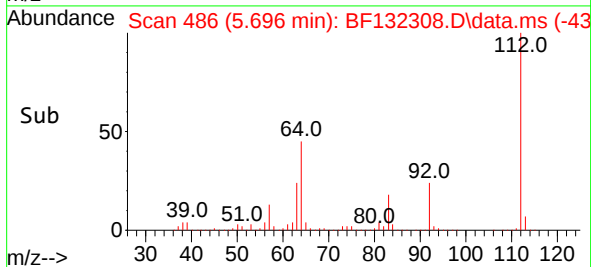
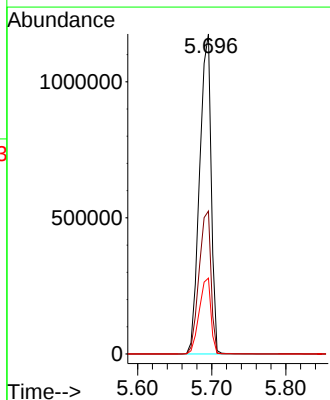
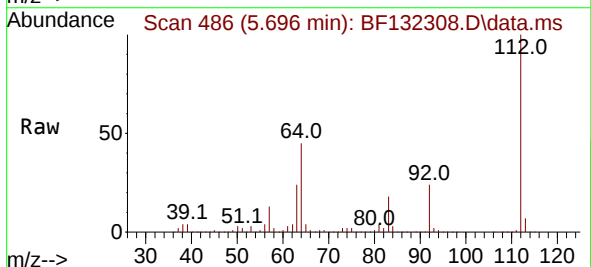
Instrument :
BNA_F
ClientSampleId :
B5(12-18)

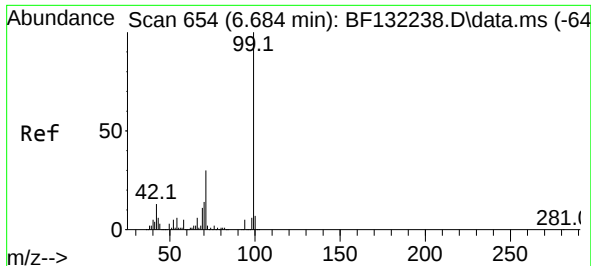
Tgt Ion:152 Resp: 346352
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 60.6 47.3 70.9



#5
2-Fluorophenol
Concen: 59.156 ng
RT: 5.696 min Scan# 486
Delta R.T. 0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion:112 Resp: 1274664
Ion Ratio Lower Upper
112 100
64 44.6 40.0 60.0
63 23.7 20.5 30.7

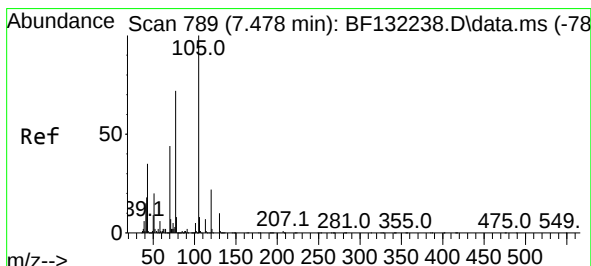
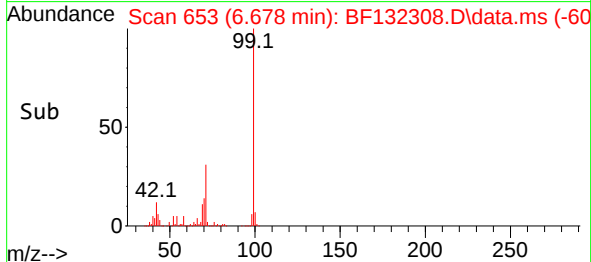
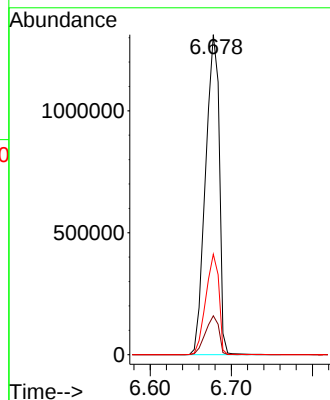
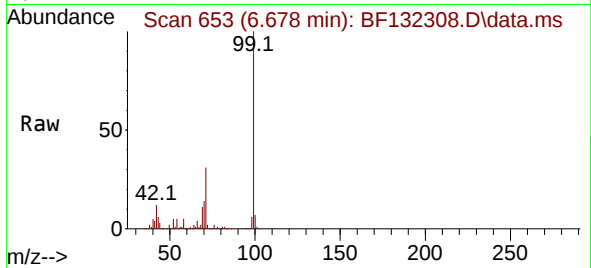




#7
Phenol-d6
Concen: 57.901 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

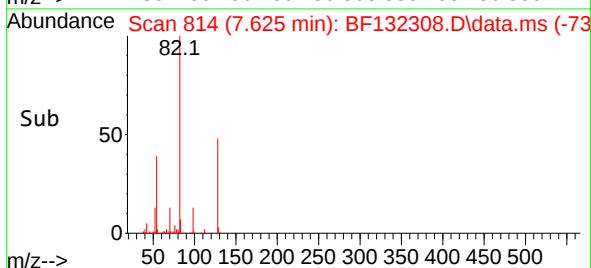
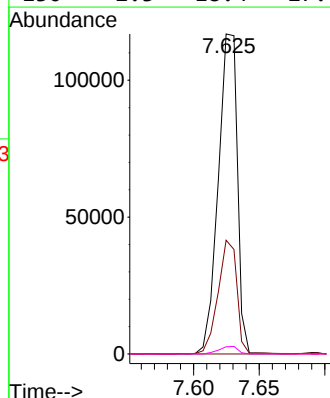
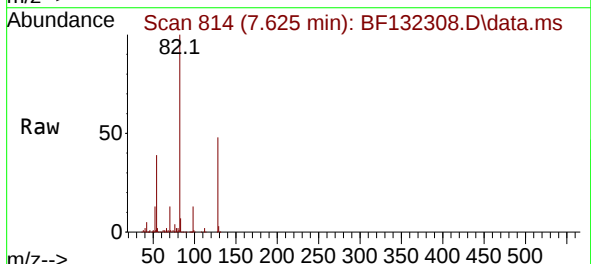
Instrument :
BNA_F
ClientSampleId :
B5(12-18)

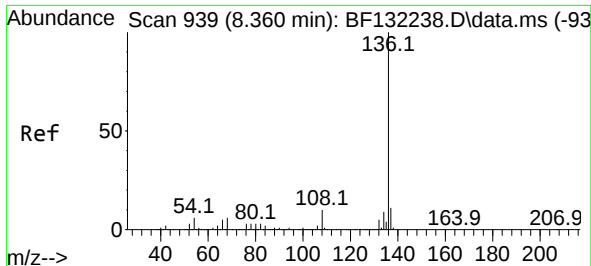
Tgt Ion: 99 Resp: 1538133
Ion Ratio Lower Upper
99 100
42 12.2 10.1 15.1
71 31.4 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.848 ng
RT: 7.625 min Scan# 814
Delta R.T. 0.147 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion: 70 Resp: 118414
Ion Ratio Lower Upper
70 100
42 35.6 33.4 50.0
101 0.0 8.2 12.4#
130 2.3 18.4 27.6#

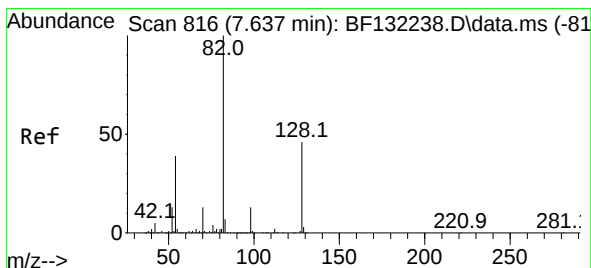
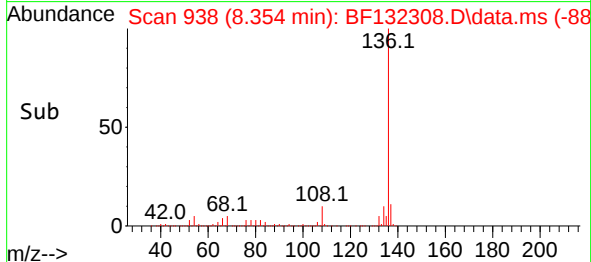
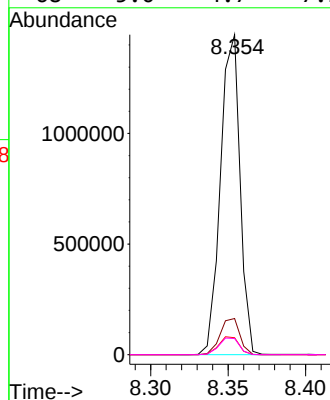
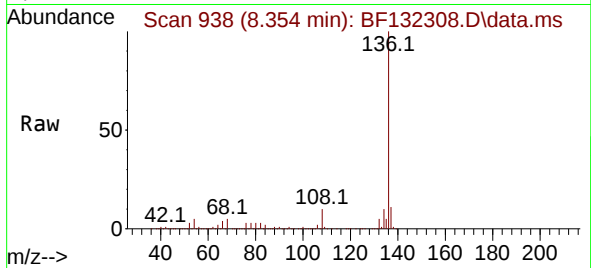




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

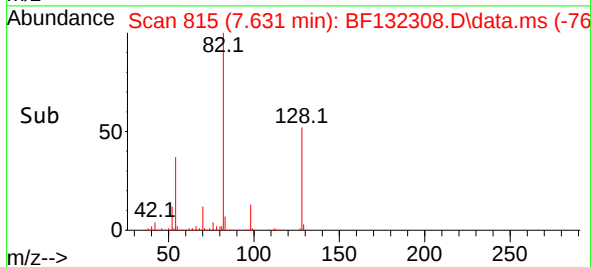
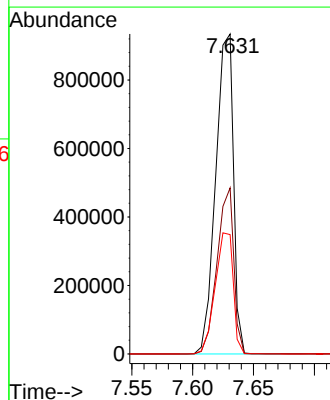
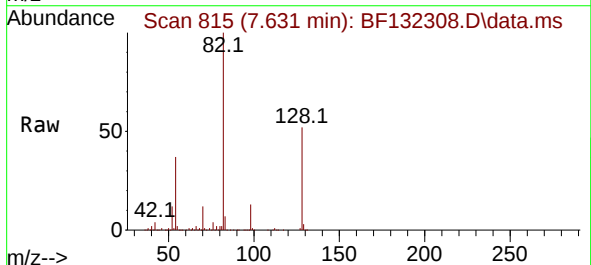
Instrument :
BNA_F
ClientSampleId :
B5(12-18)

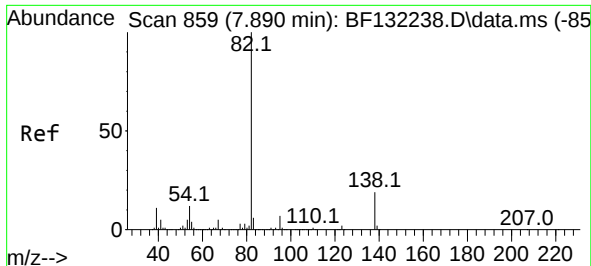
Tgt Ion:136 Resp: 1269351
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 5.3 4.9 7.3
68 5.0 4.7 7.1



#23
Nitrobenzene-d5
Concen: 41.441 ng
RT: 7.631 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion: 82 Resp: 945290
Ion Ratio Lower Upper
82 100
128 51.9 37.0 55.4
54 37.3 31.5 47.3

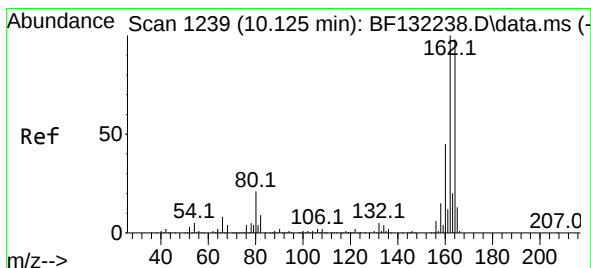
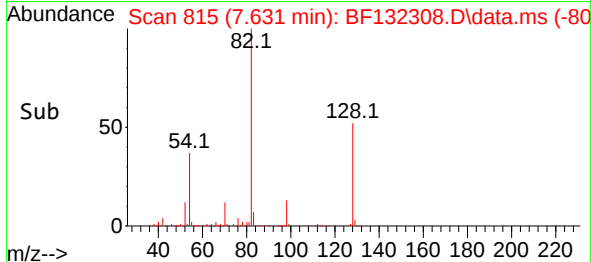
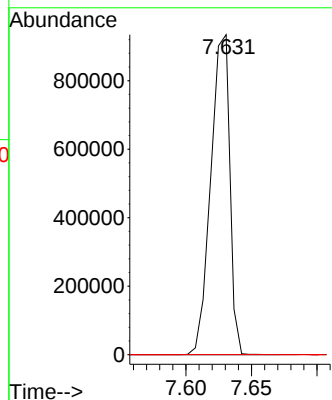
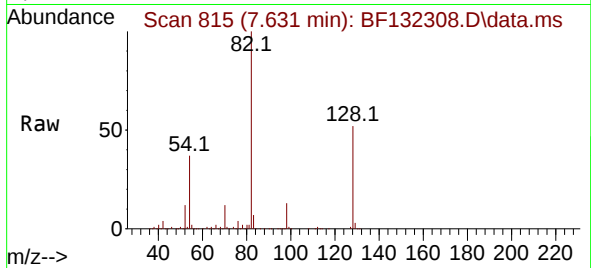




#25
Isophorone
Concen: 21.833 ng
RT: 7.631 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

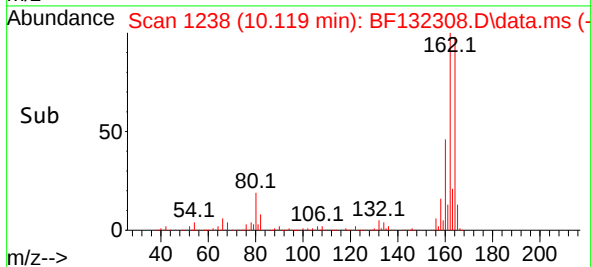
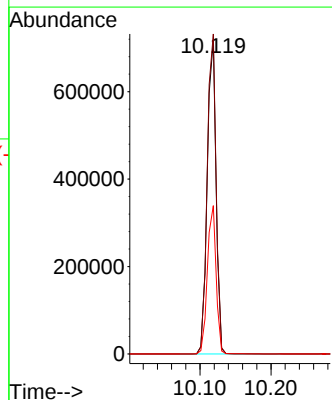
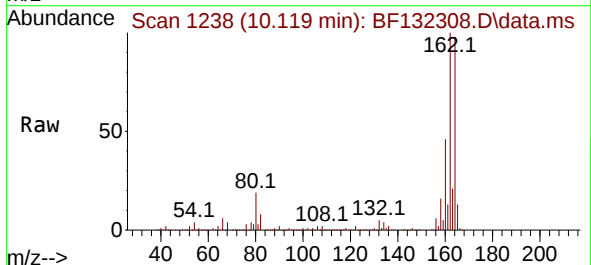
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BNA_F
ClientSampleId :
B5(12-18)

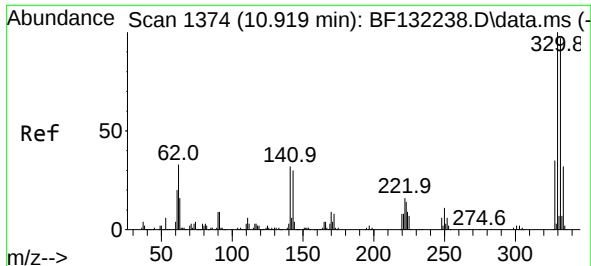
Tgt Ion: 82 Resp: 945275
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion: 164 Resp: 622442
Ion Ratio Lower Upper
164 100
162 101.9 82.0 123.0
160 47.3 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 54.020 ng

RT: 10.907 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132308.D

Acq: 02 Feb 2023 23:56

Instrument :

BNA_F

ClientSampleId :

B5(12-18)

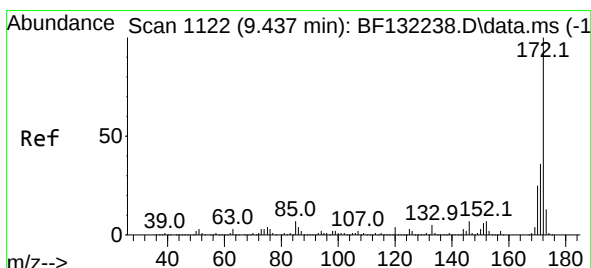
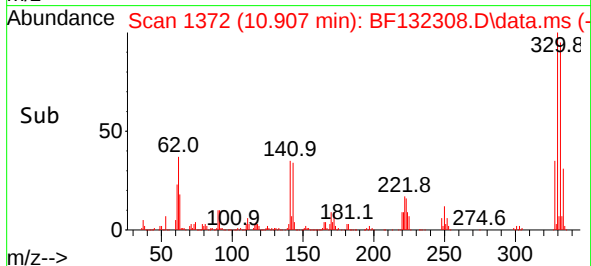
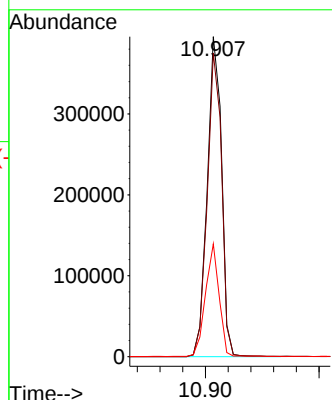
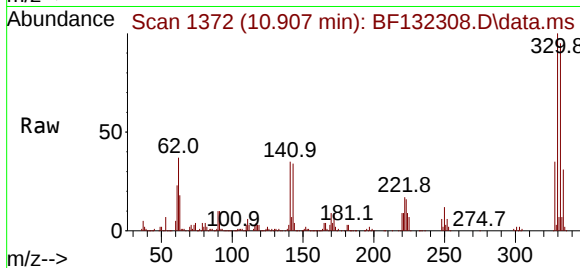
Tgt Ion:330 Resp: 345780

Ion Ratio Lower Upper

330 100

332 95.3 77.9 116.9

141 33.6 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 41.144 ng

RT: 9.431 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF132308.D

Acq: 02 Feb 2023 23:56

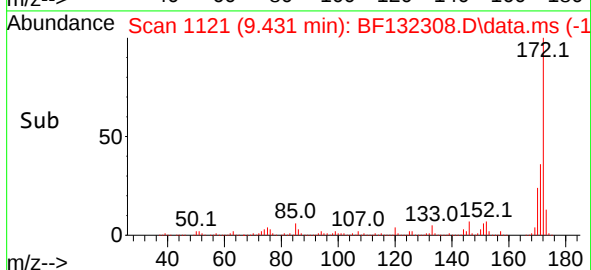
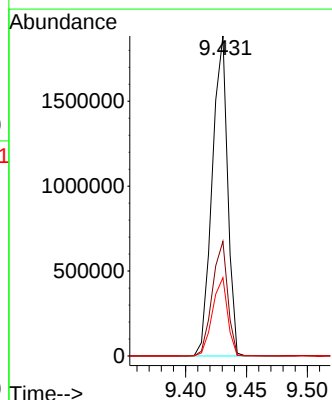
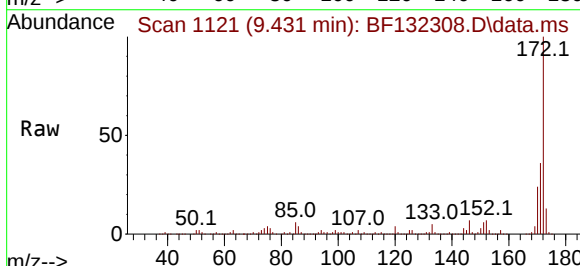
Tgt Ion:172 Resp: 1658388

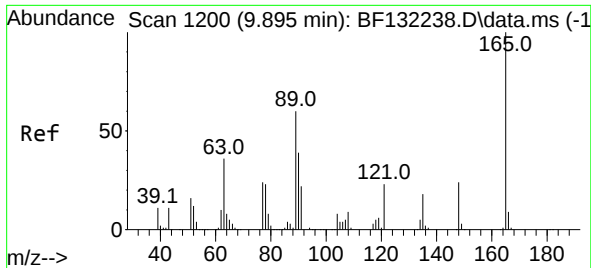
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.5 19.7 29.5

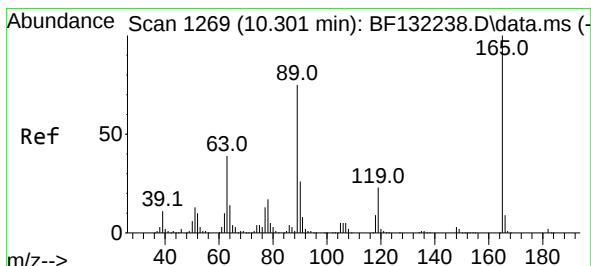
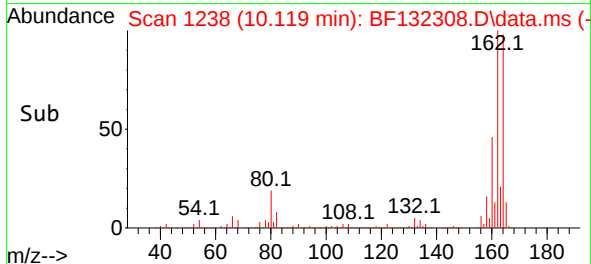
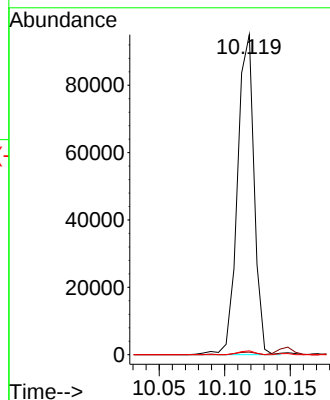
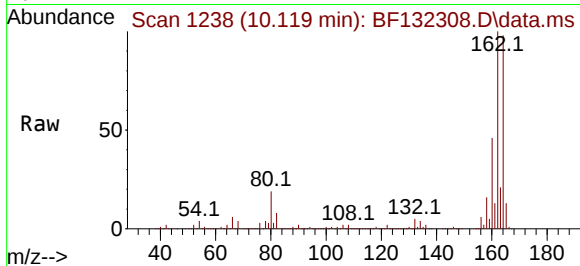




#51
2,6-Dinitrotoluene
Concen: 8.661 ng
RT: 10.119 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

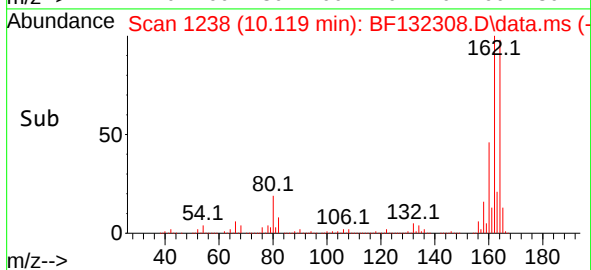
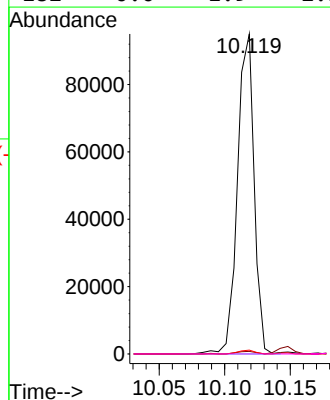
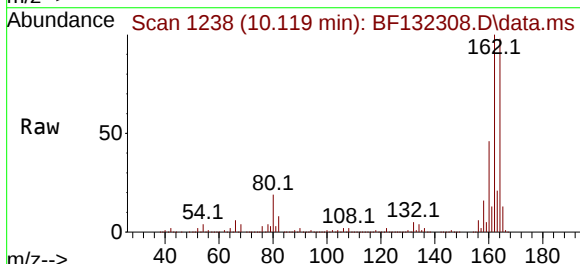
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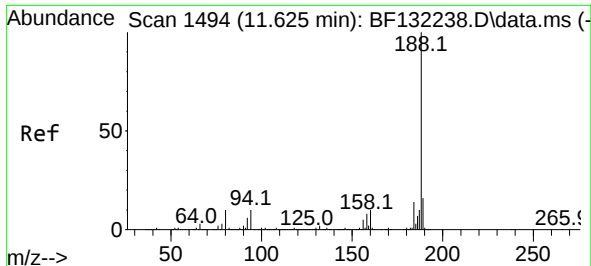
Tgt Ion:165 Resp: 84220
Ion Ratio Lower Upper
165 100
63 0.8 41.5 62.3#
89 1.2 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.667 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.182 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion:165 Resp: 84220
Ion Ratio Lower Upper
165 100
63 0.8 30.9 46.3#
89 1.2 60.1 90.1#
182 0.0 1.9 2.9#

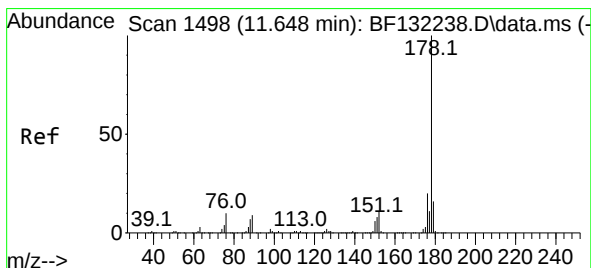
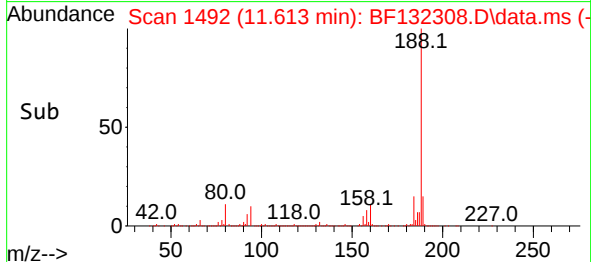
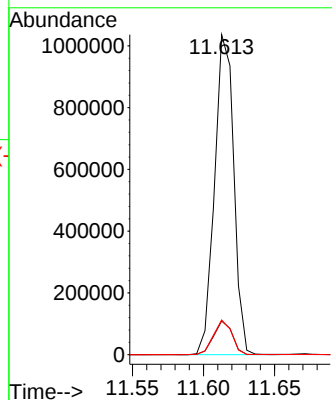
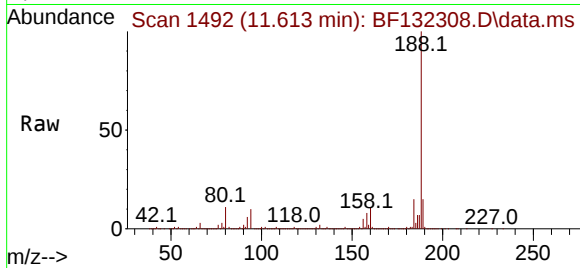




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.613 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

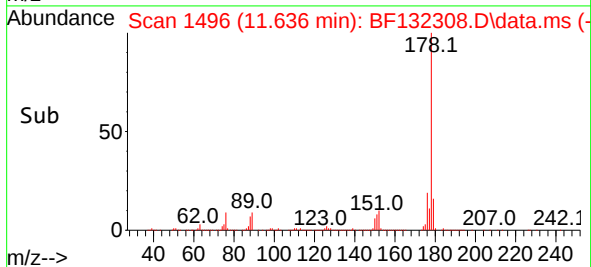
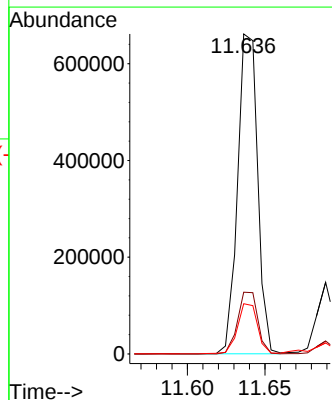
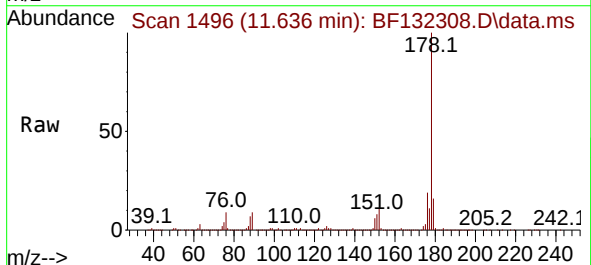
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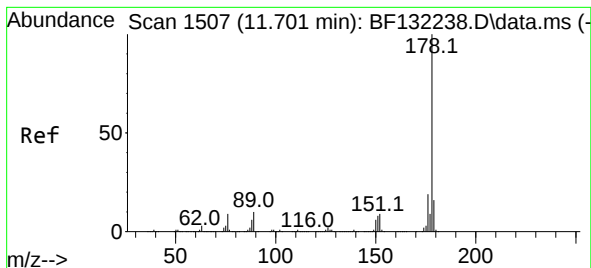
Tgt Ion:188 Resp: 976655
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.2
80 10.8 8.3 12.5



#71
Phenanthrene
Concen: 11.658 ng
RT: 11.636 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion:178 Resp: 594987
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.7 12.8 19.2





#72

Anthracene

Concen: 2.113 ng

RT: 11.689 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132308.D

Acq: 02 Feb 2023 23:56

Instrument :

BNA_F

ClientSampleId :

B5(12-18)

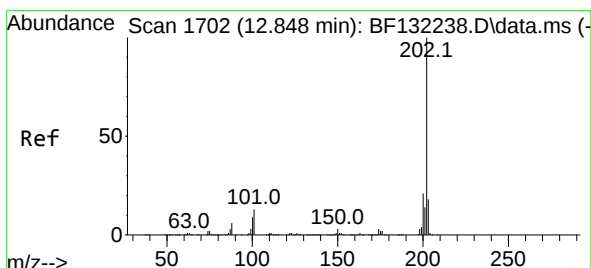
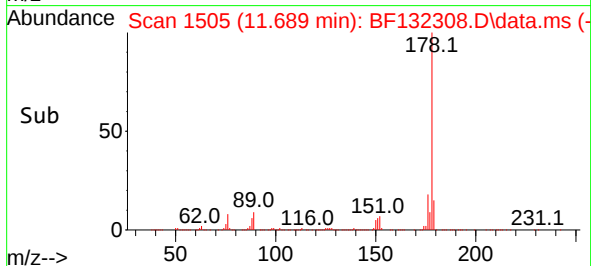
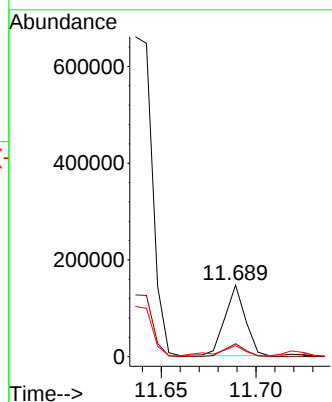
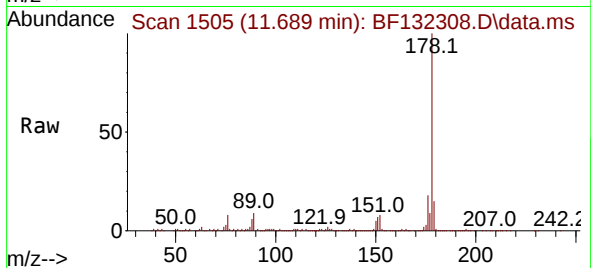
Tgt Ion:178 Resp: 109722

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 15.4 12.8 19.2



#75

Fluoranthene

Concen: 17.329 ng

RT: 12.836 min Scan# 1700

Delta R.T. -0.012 min

Lab File: BF132308.D

Acq: 02 Feb 2023 23:56

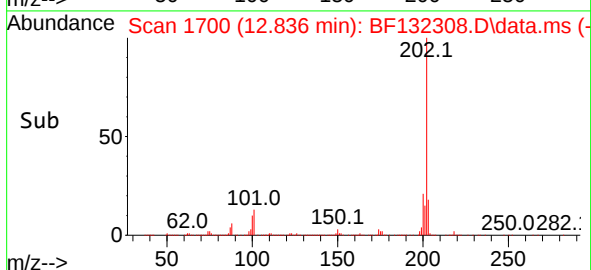
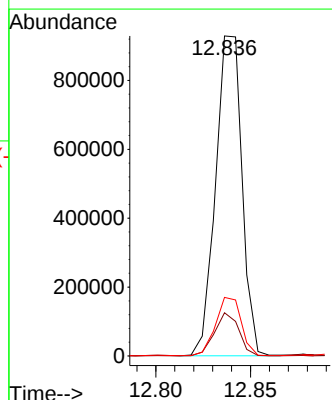
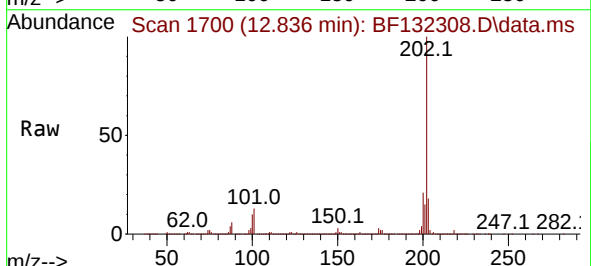
Tgt Ion:202 Resp: 902505

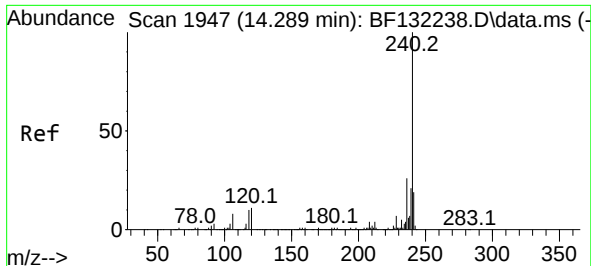
Ion Ratio Lower Upper

202 100

101 13.5 0.0 32.7

203 18.3 0.0 37.9

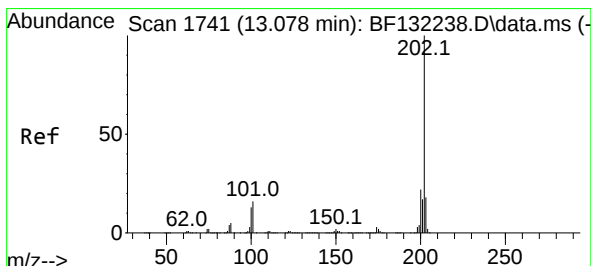
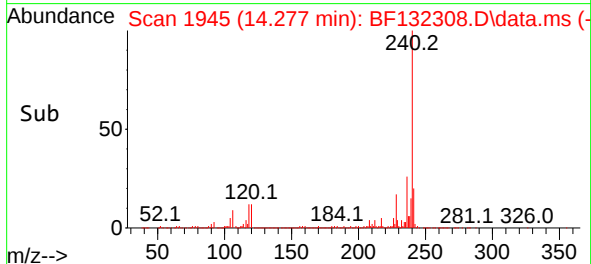
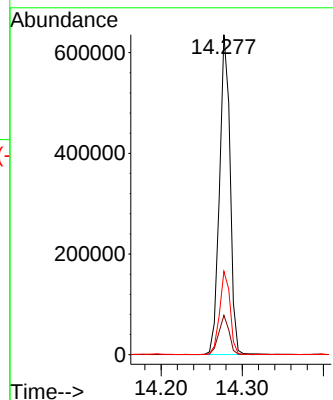
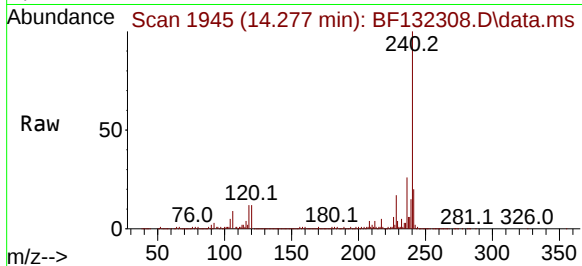




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

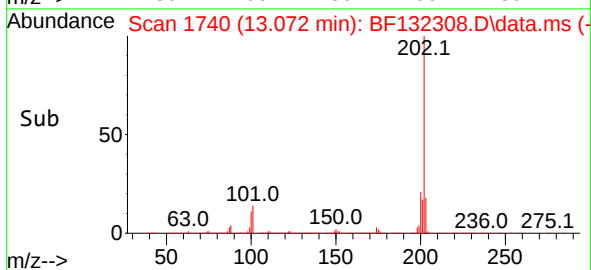
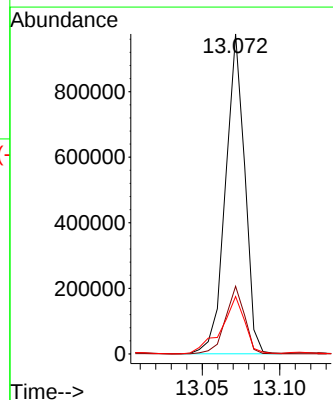
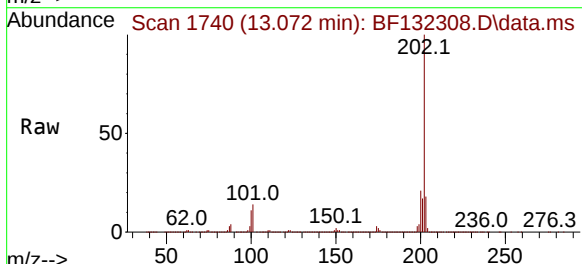
Instrument :
BNA_F
ClientSampleId :
B5(12-18)

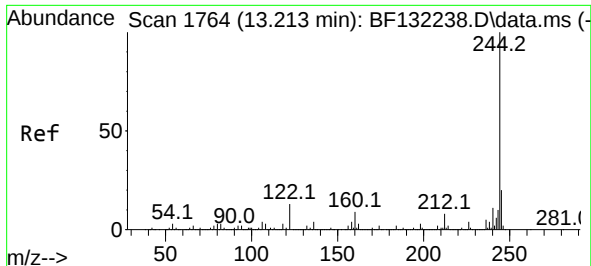
Tgt Ion:240 Resp: 576073
Ion Ratio Lower Upper
240 100
120 12.3 8.8 13.2
236 26.1 21.0 31.6



#78
Pyrene
Concen: 18.162 ng
RT: 13.072 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion:202 Resp: 841522
Ion Ratio Lower Upper
202 100
200 21.1 17.3 25.9
203 18.0 14.4 21.6

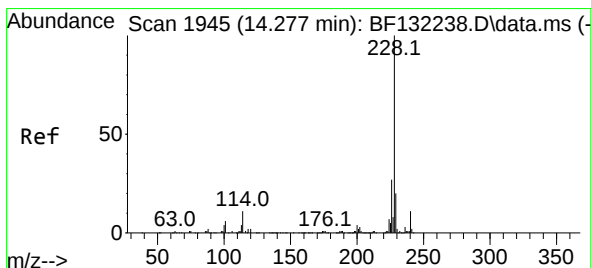
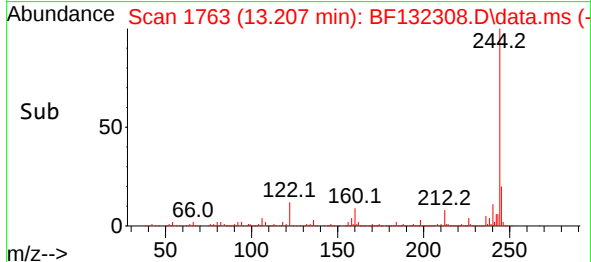
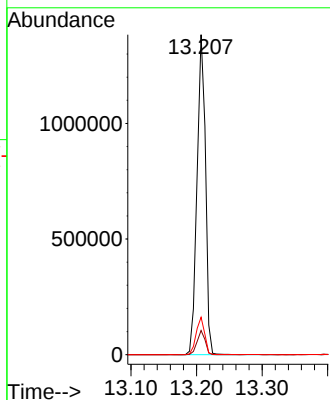
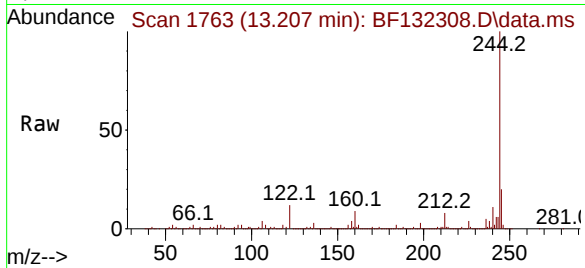




#79
 Terphenyl-d14
 Concen: 41.831 ng
 RT: 13.207 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF132308.D
 Acq: 02 Feb 2023 23:56

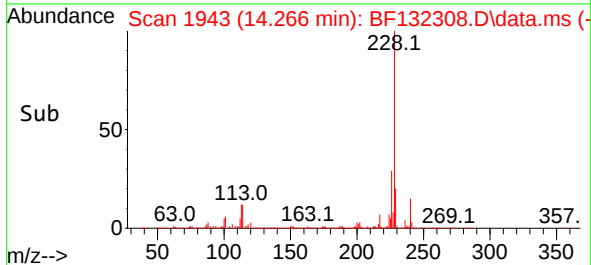
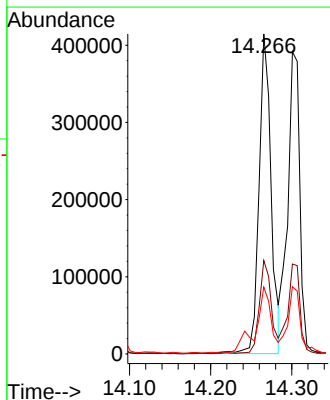
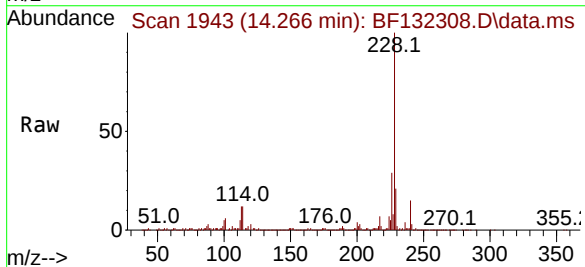
Instrument :
 BNA_F
 ClientSampleId :
 B5(12-18)

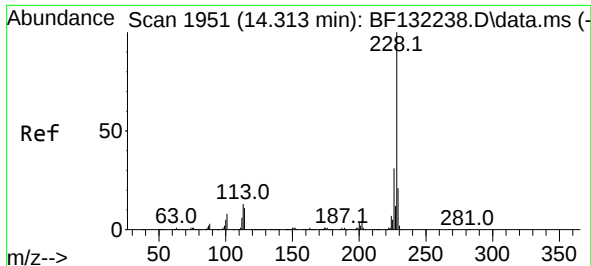
Tgt Ion:244 Resp: 1245744
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 11.7 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 10.591 ng
 RT: 14.266 min Scan# 1943
 Delta R.T. -0.012 min
 Lab File: BF132308.D
 Acq: 02 Feb 2023 23:56

Tgt Ion:228 Resp: 426735
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.0 33.0
 229 20.9 15.8 23.6

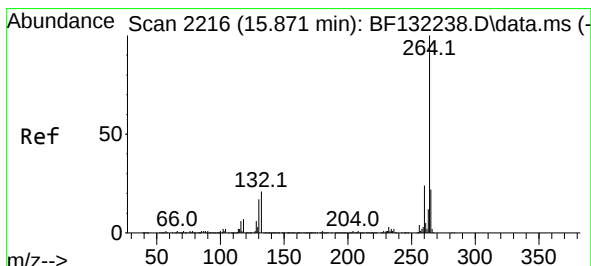
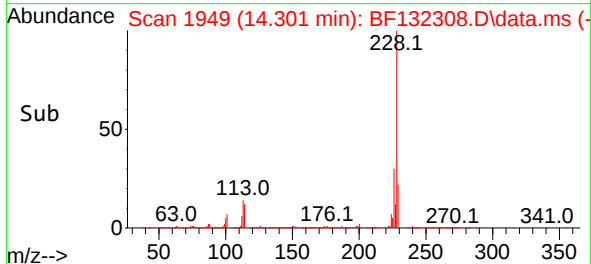
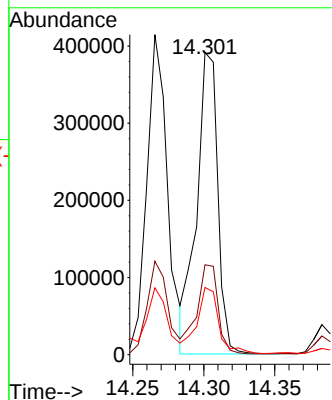
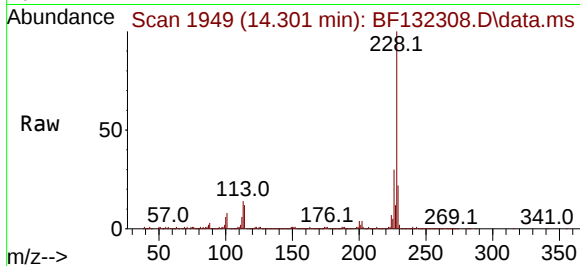




#83
Chrysene
Concen: 10.743 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

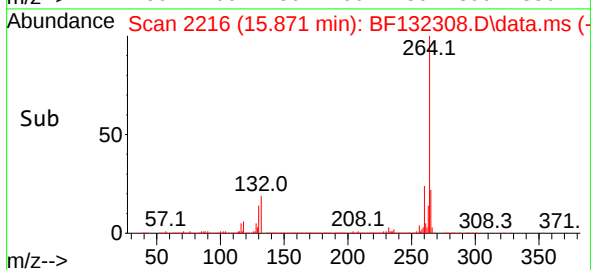
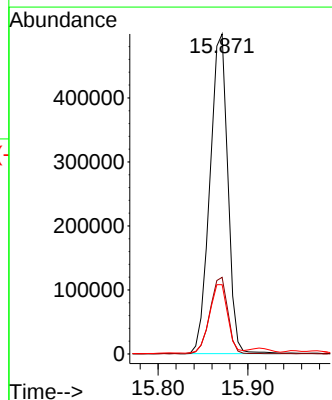
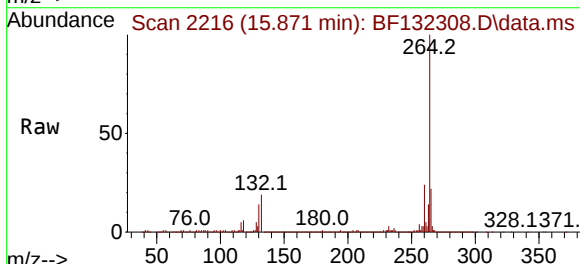
Instrument :
BNA_F
ClientSampleId :
B5(12-18)

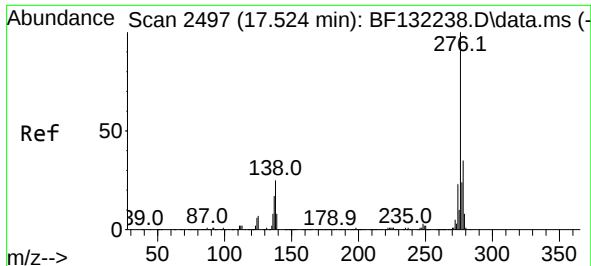
Tgt Ion:228 Resp: 405293
Ion Ratio Lower Upper
228 100
226 29.8 24.9 37.3
229 22.2 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.871 min Scan# 2216
Delta R.T. -0.000 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion:264 Resp: 690867
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 21.6 17.4 26.2

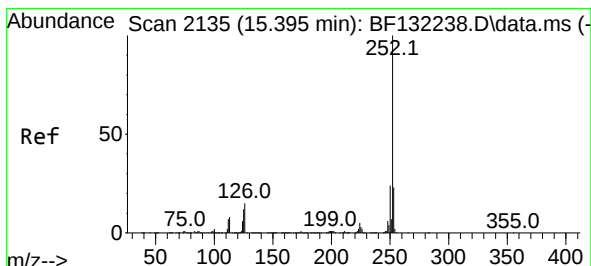
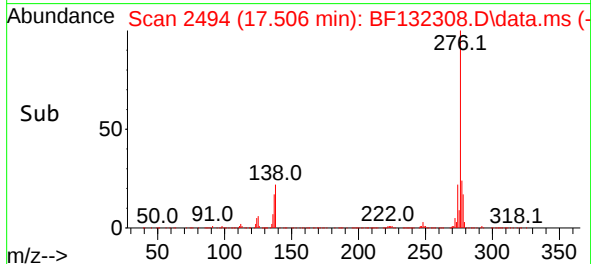
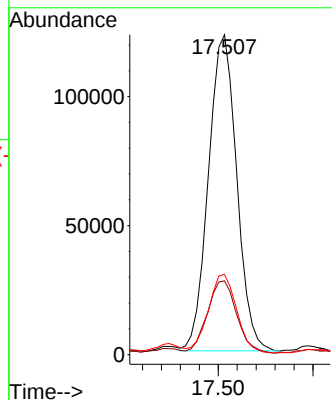
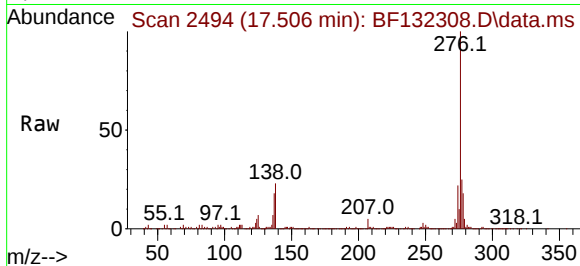




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.547 ng
RT: 17.506 min Scan# 2494
Delta R.T. -0.018 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

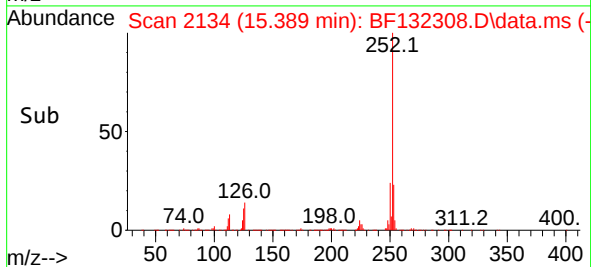
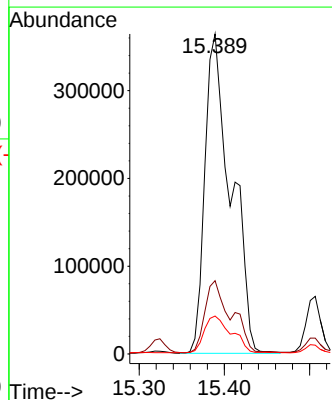
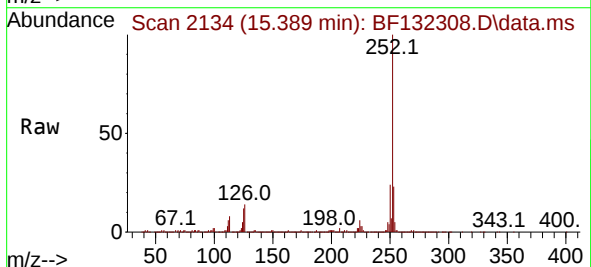
Instrument :
BNA_F
ClientSampleId :
B5(12-18)

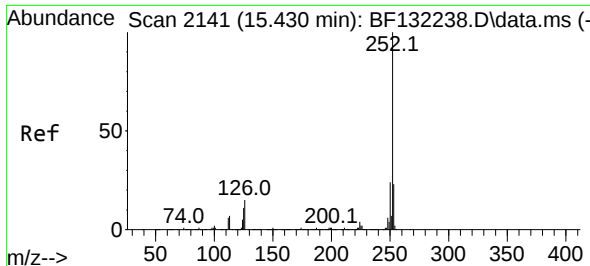
Tgt Ion:276 Resp: 254638
Ion Ratio Lower Upper
276 100
138 23.7 23.3 34.9
277 24.9 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 17.747 ng
RT: 15.389 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion:252 Resp: 779345
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 11.9 9.6 14.4

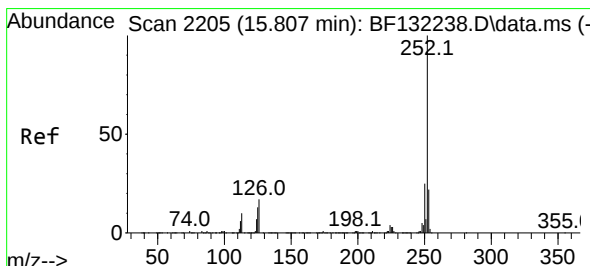
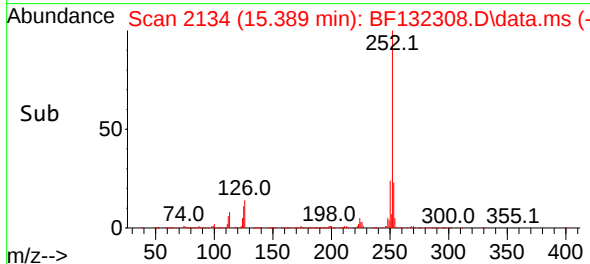
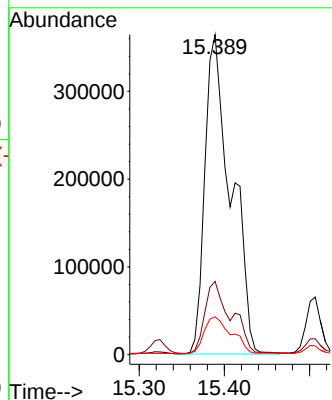
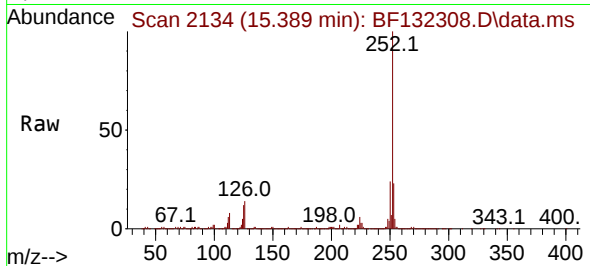




#89
Benzo(k)fluoranthene
Concen: 18.592 ng
RT: 15.389 min Scan# 2141
Delta R.T. -0.041 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

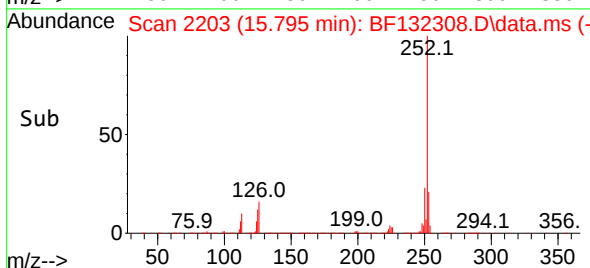
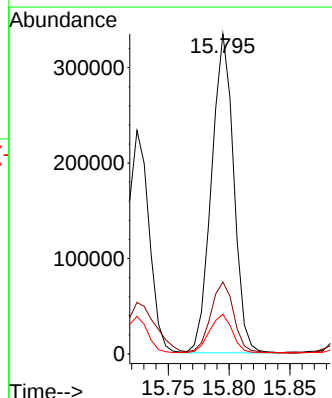
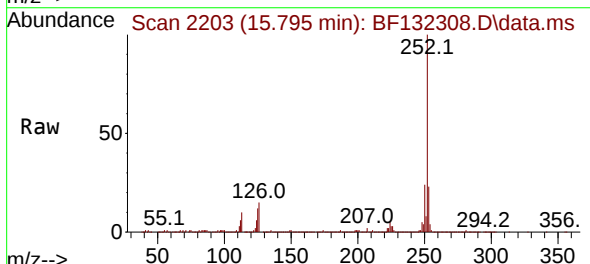
Instrument :
BNA_F
ClientSampleId :
B5(12-18)

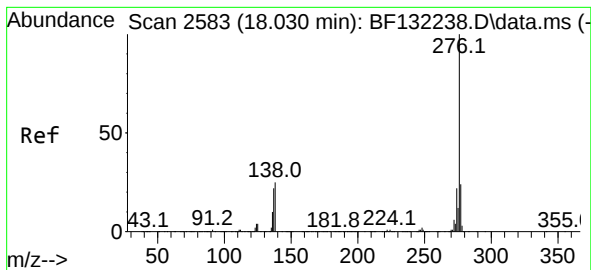
Tgt Ion:252 Resp: 779345
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 11.9 9.0 13.6



#90
Benzo(a)pyrene
Concen: 10.373 ng
RT: 15.795 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF132308.D
Acq: 02 Feb 2023 23:56

Tgt Ion:252 Resp: 424196
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 12.4 10.2 15.4





#92

Benzo(g,h,i)perylene

Concen: 6.164 ng

RT: 18.006 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF132308.D

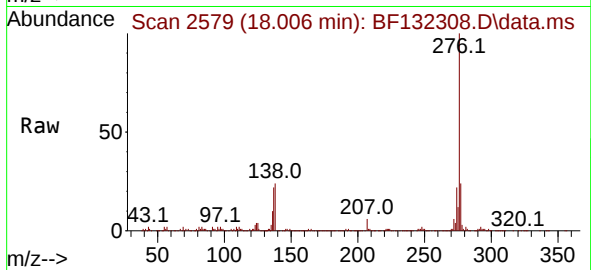
Acq: 02 Feb 2023 23:56

Instrument :

BNA_F

ClientSampleId :

B5(12-18)



Tgt Ion:276 Resp: 235030

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.2

138 24.3 20.3 30.5

