

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130330.D
 Acq On : 19 Sep 2022 20:23
 Operator : CG\JU
 Sample : N4664-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-091522RE

Quant Time: Sep 20 02:28:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

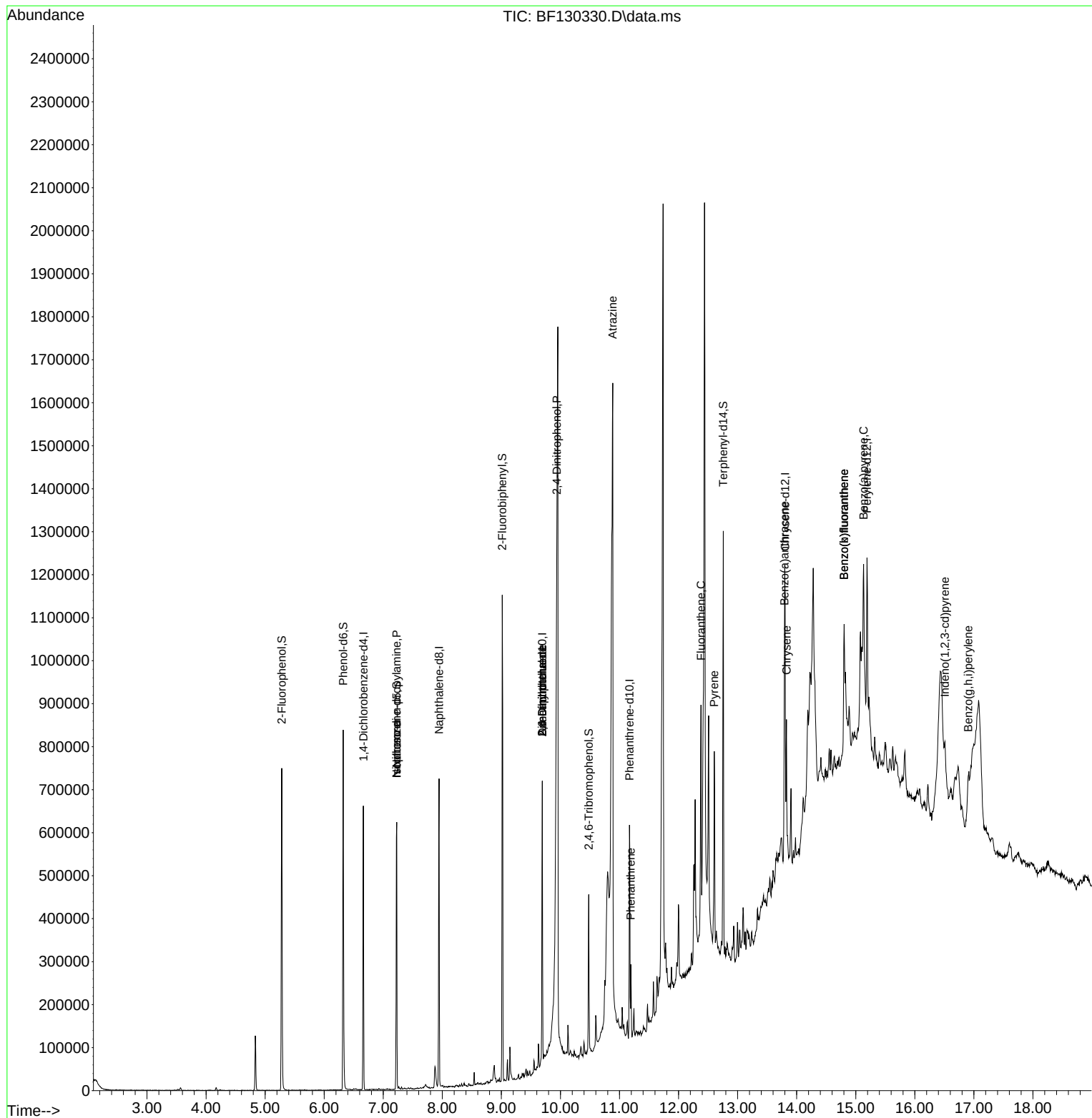
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.663	152	81920	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	287396	20.000	ng	# 0.00
39) Acenaphthene-d10	9.692	164	120099	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	174103	20.000	ng	0.00
76) Chrysene-d12	13.804	240	185504	20.000	ng	# 0.00
86) Perylene-d12	15.192	264	155855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	197152	41.742	ng	0.02
7) Phenol-d6	6.322	99	258421	43.729	ng	0.02
23) Nitrobenzene-d5	7.228	82	186897	33.223	ng	0.00
42) 2,4,6-Tribromophenol	10.480	330	40179	34.915	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	307070	37.232	ng	0.00
79) Terphenyl-d14	12.757	244	294249	26.275	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.228	70	25989	6.517	ng	# 72
25) Isophorone	7.228	82	185562	20.466	ng	# 66
50) Dimethylphthalate	9.692	163	22020	2.654	ng	# 1
51) 2,6-Dinitrotoluene	9.692	165	15755	9.081	ng	# 16
54) 2,4-Dinitrophenol	9.939	184	267	6.516	ng	# 44
57) 2,4-Dinitrotoluene	9.692	165	15755	7.105	ng	# 16
69) Atrazine	10.886	200	3890	2.288	ng	# 47
71) Phenanthrene	11.192	178	53853	5.509	ng	99
75) Fluoranthene	12.380	202	185535	19.643	ng	98
78) Pyrene	12.604	202	181026	11.155	ng	99
81) Benzo(a)anthracene	13.792	228	115946	9.395	ng	98
83) Chrysene	13.827	228	117895	10.061	ng	98
87) Indeno(1,2,3-cd)pyrene	16.509	276	44314	4.009	ng	# 94
88) Benzo(b)fluoranthene	14.804	252	196954	19.361	ng	# 97
89) Benzo(k)fluoranthene	14.804	252	196954	19.682	ng	# 96
90) Benzo(a)pyrene	15.133	252	95822	11.890	ng	# 95
92) Benzo(g,h,i)perylene	16.903	276	39240	4.296	ng	# 88

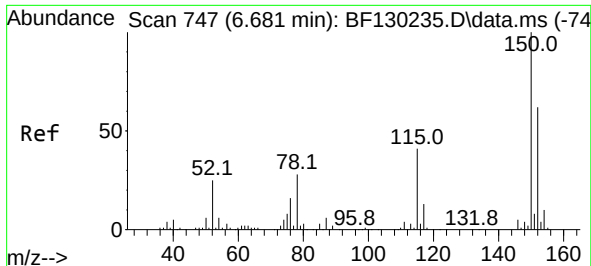
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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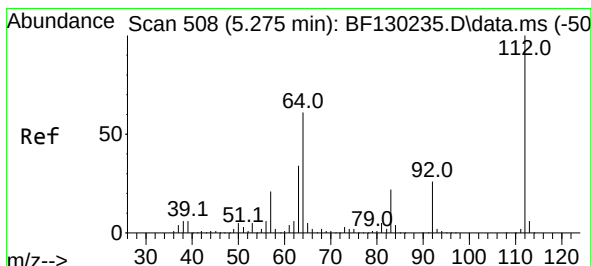
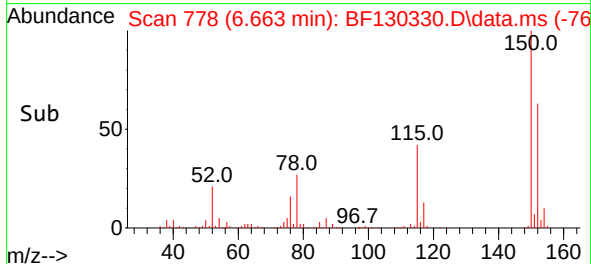
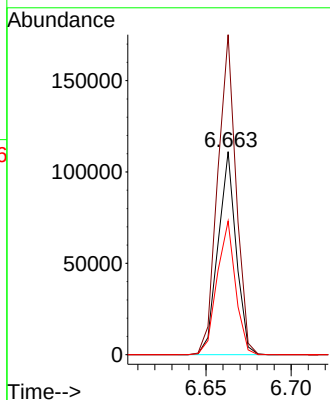
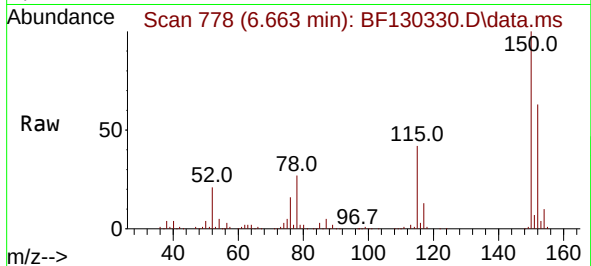




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

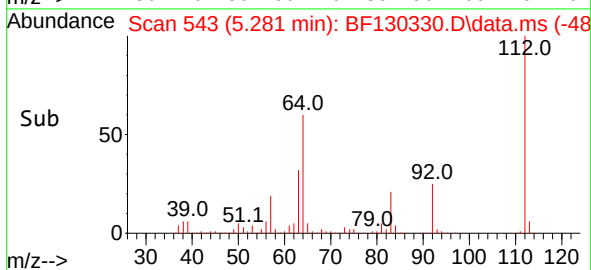
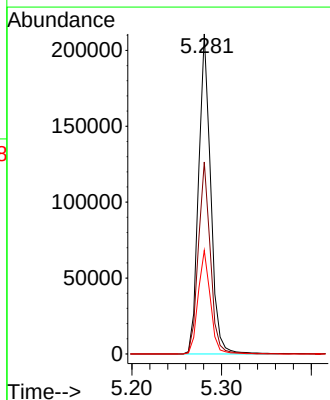
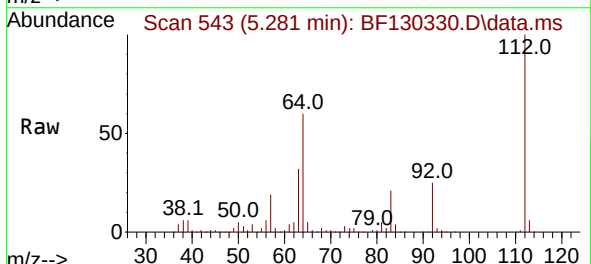
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

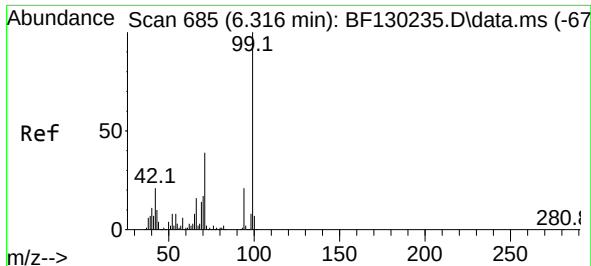
Tgt Ion:152 Resp: 81920
Ion Ratio Lower Upper
152 100
150 157.6 122.8 184.2
115 65.8 53.8 80.8



#5
2-Fluorophenol
Concen: 41.742 ng
RT: 5.281 min Scan# 543
Delta R.T. 0.023 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:112 Resp: 197152
Ion Ratio Lower Upper
112 100
64 60.0 51.4 77.0
63 32.4 28.8 43.2

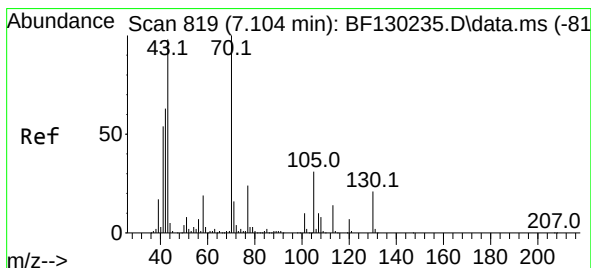
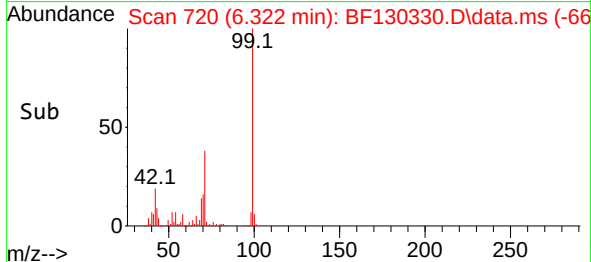
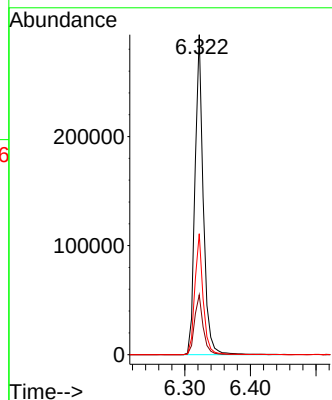
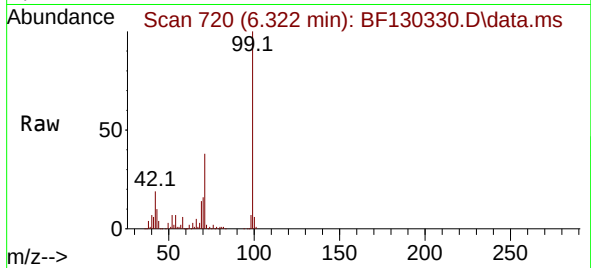




#7
Phenol-d6
Concen: 43.729 ng
RT: 6.322 min Scan# 71
Delta R.T. 0.023 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

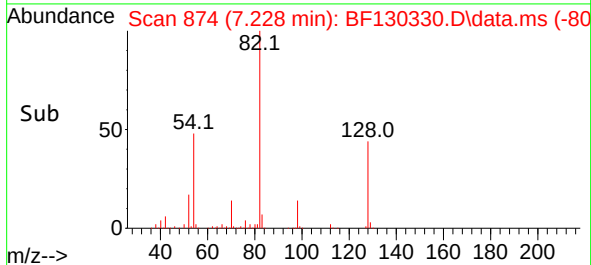
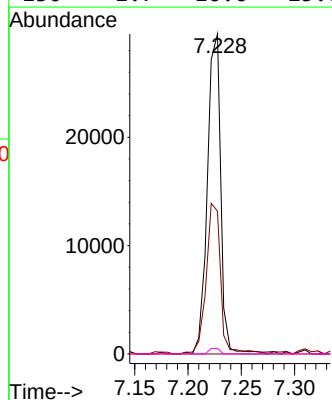
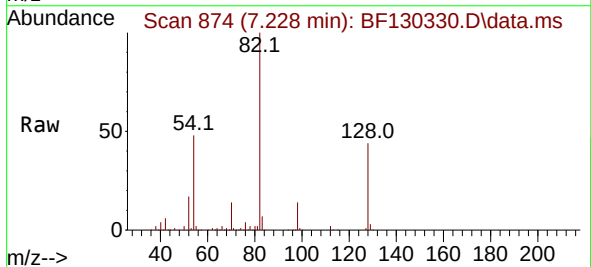
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

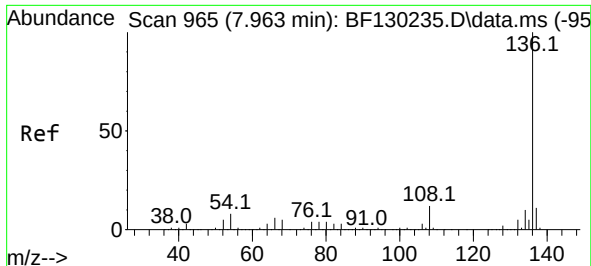
Tgt Ion: 99 Resp: 258421
Ion Ratio Lower Upper
99 100
42 18.7 17.0 25.6
71 37.8 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 6.517 ng
RT: 7.228 min Scan# 874
Delta R.T. 0.135 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 70 Resp: 25989
Ion Ratio Lower Upper
70 100
42 44.7 50.8 76.2#
101 0.0 8.2 12.4#
130 1.7 16.6 25.0#

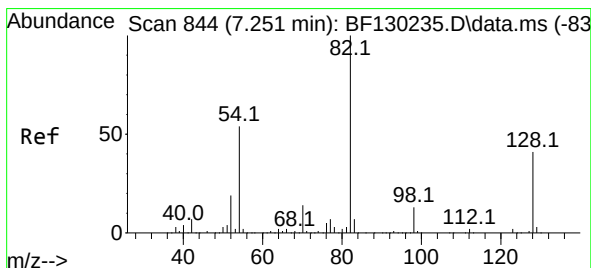
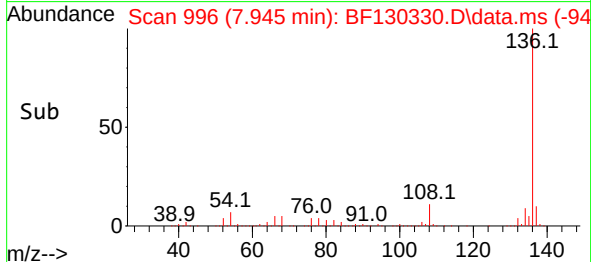
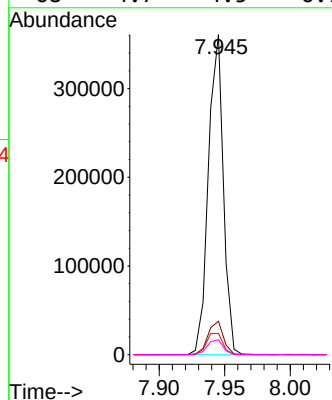
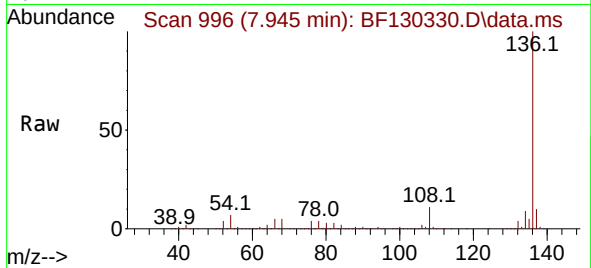




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

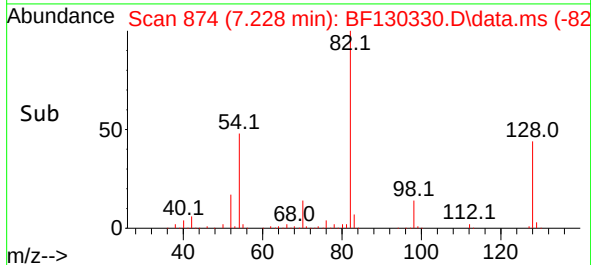
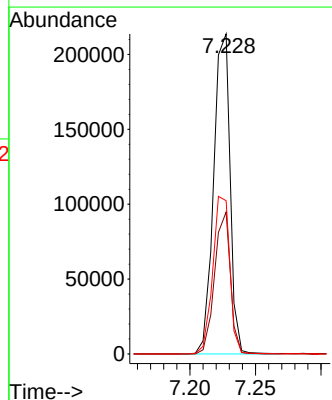
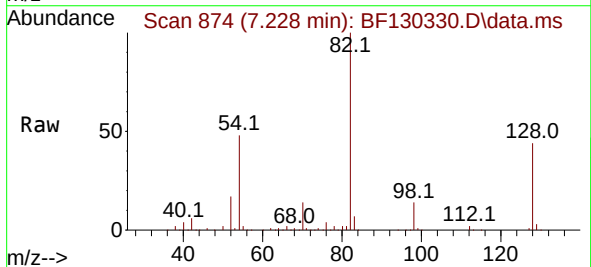
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

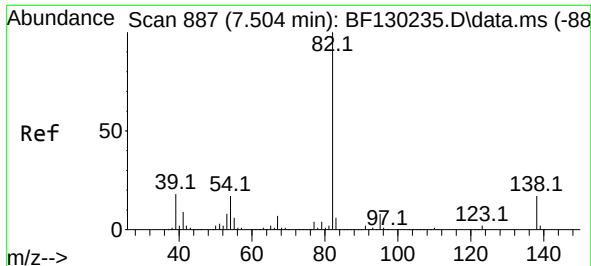
Tgt Ion:136	Resp: 287396
Ion Ratio	Lower Upper
136 100	
137 10.4	9.1 13.7
54 6.7	7.1 10.7#
68 4.7	4.5 6.7



#23
Nitrobenzene-d5
Concen: 33.223 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 82	Resp: 186897
Ion Ratio	Lower Upper
82 100	
128 44.3	32.6 49.0
54 47.9	43.8 65.6

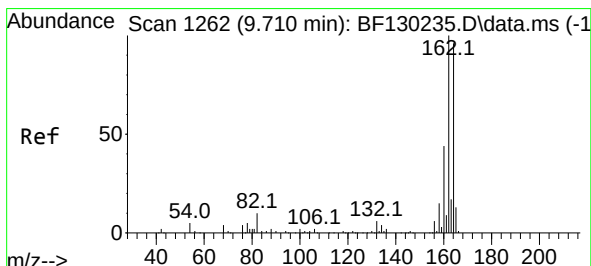
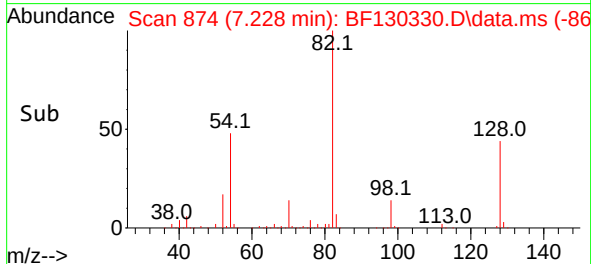
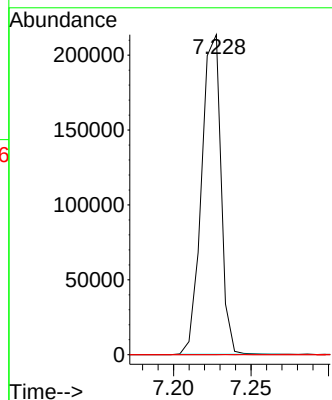
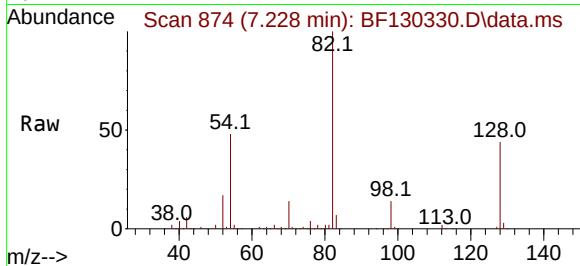




#25
Isophorone
Concen: 20.466 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

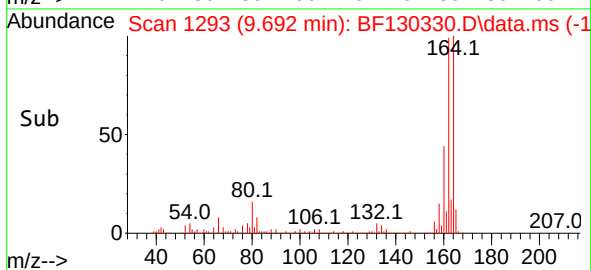
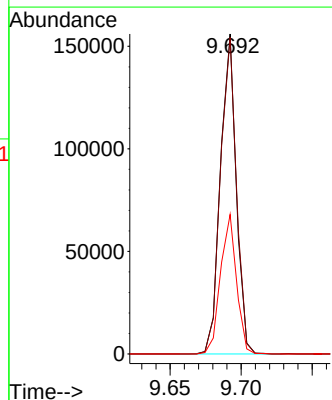
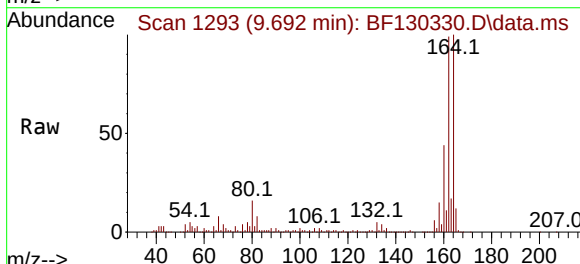
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

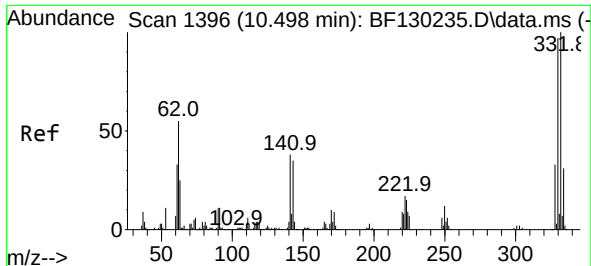
Tgt Ion: 82 Resp: 185562
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 164 Resp: 120099
Ion Ratio Lower Upper
164 100
162 99.0 81.4 122.0
160 43.6 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 34.915 ng

RT: 10.480 min Scan# 1427

Delta R.T. -0.000 min

Lab File: BF130330.D

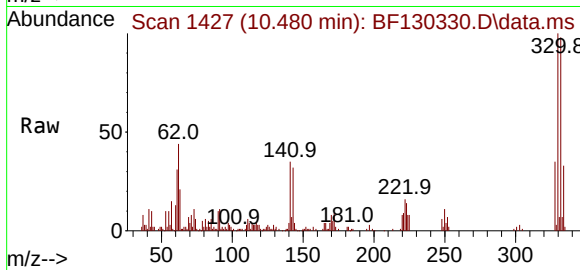
Acq: 19 Sep 2022 20:23

Instrument :

BNA_F

ClientSampleId :

HR-02-091522RE



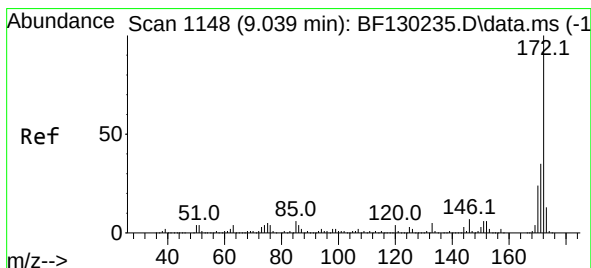
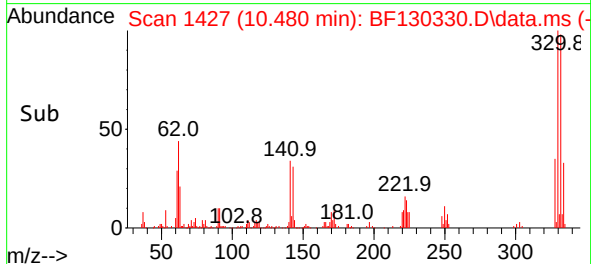
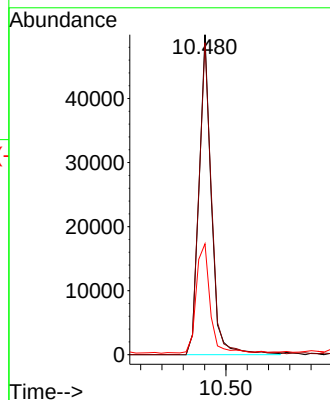
Tgt Ion:330 Resp: 40179

Ion Ratio Lower Upper

330 100

332 99.5 83.4 125.2

141 38.9 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 37.232 ng

RT: 9.016 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF130330.D

Acq: 19 Sep 2022 20:23

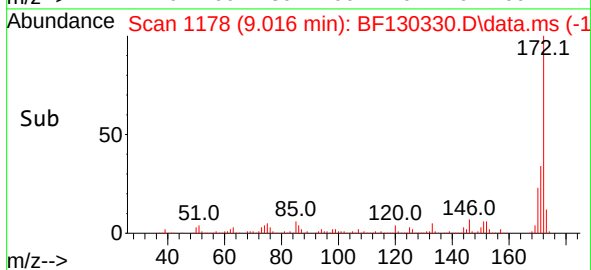
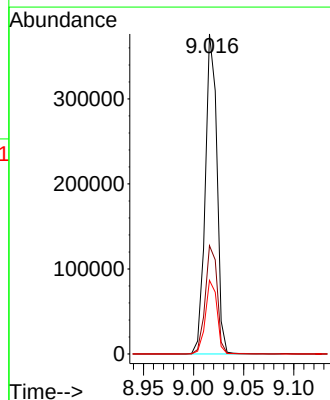
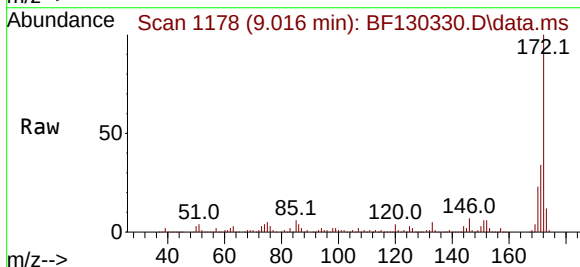
Tgt Ion:172 Resp: 307070

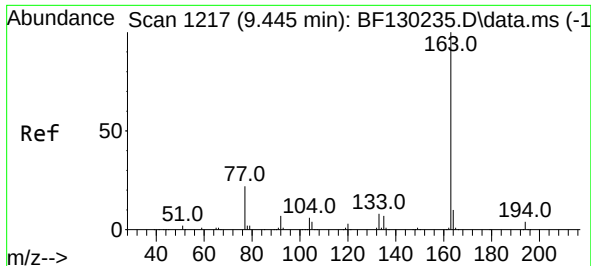
Ion Ratio Lower Upper

172 100

171 33.9 28.3 42.5

170 23.0 18.7 28.1

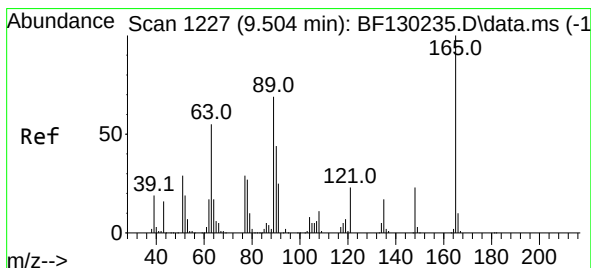
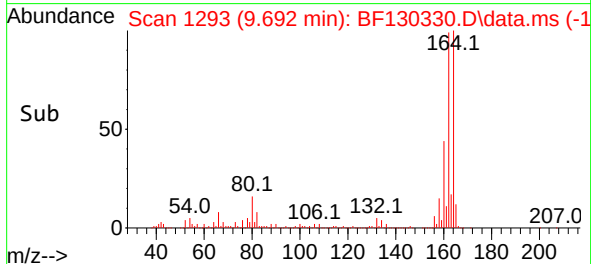
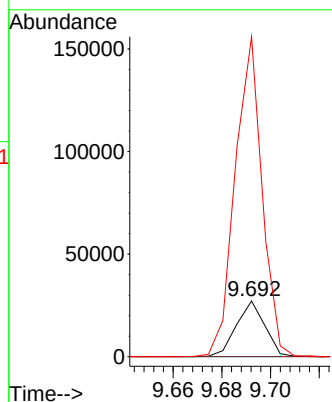
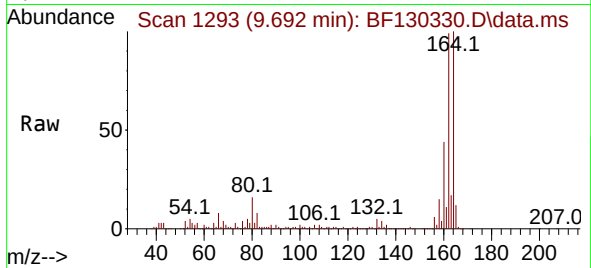




#50
Dimethylphthalate
Concen: 2.654 ng
RT: 9.692 min Scan# 1217
Delta R.T. 0.265 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

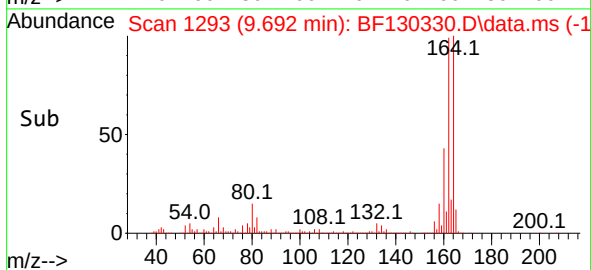
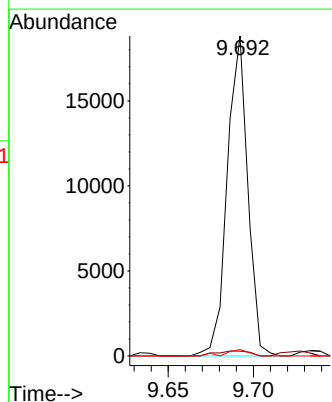
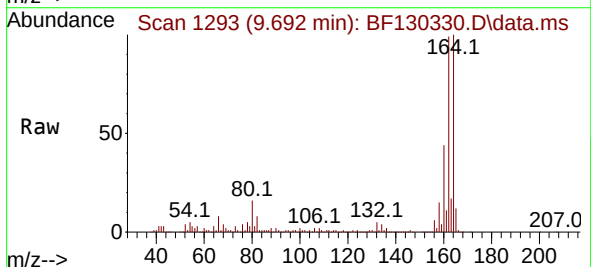
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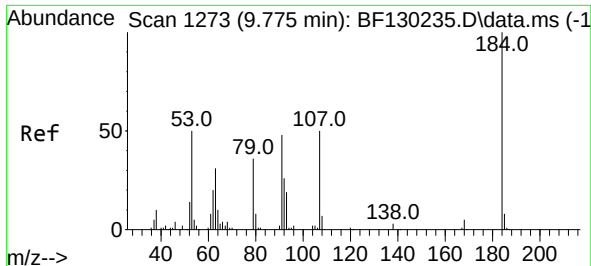
Tgt Ion:163 Resp: 22020
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 574.7 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.081 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.206 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:165 Resp: 15755
Ion Ratio Lower Upper
165 100
63 1.5 58.8 88.2#
89 2.0 54.5 81.7#

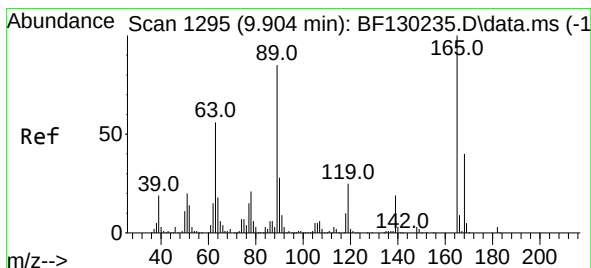
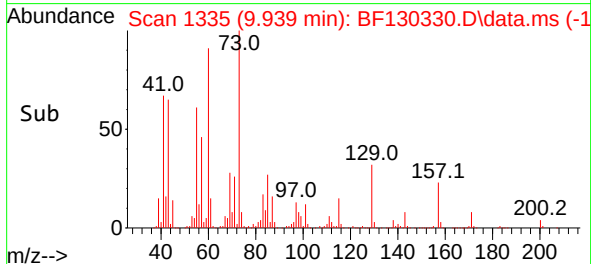
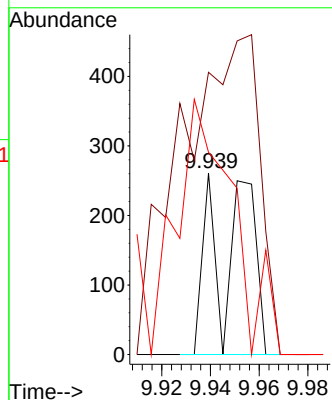
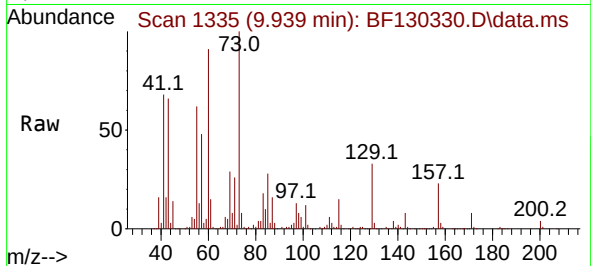




#54
2,4-Dinitrophenol
Concen: 6.516 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.182 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

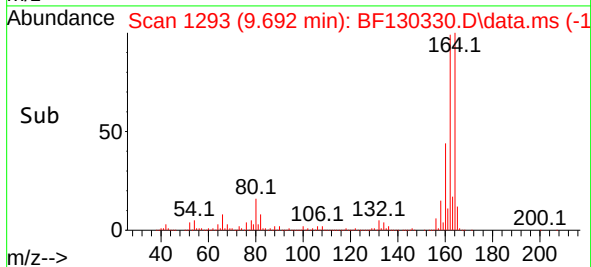
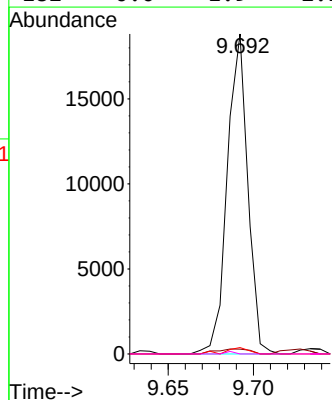
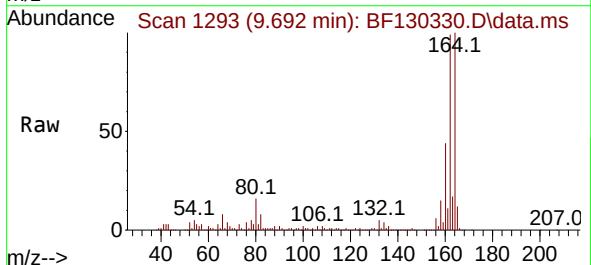
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

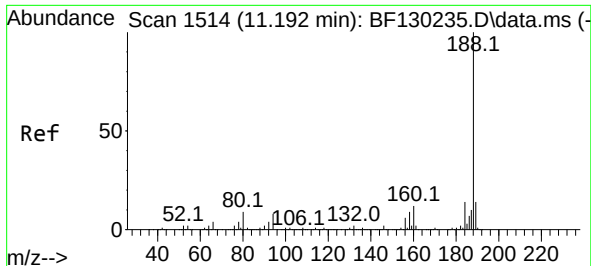
Tgt Ion:184 Resp: 267
Ion Ratio Lower Upper
184 100
63 155.6 70.0 105.0#
154 111.5 63.0 94.6#



#57
2,4-Dinitrotoluene
Concen: 7.105 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.194 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:165 Resp: 15755
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 2.0 69.0 103.4#
182 0.0 1.9 2.9#

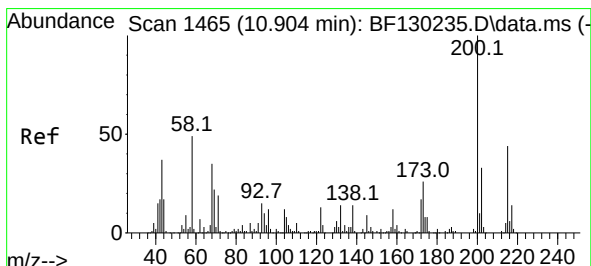
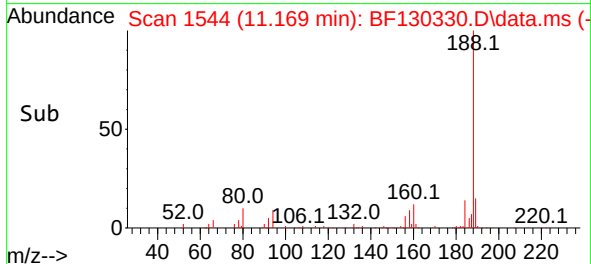
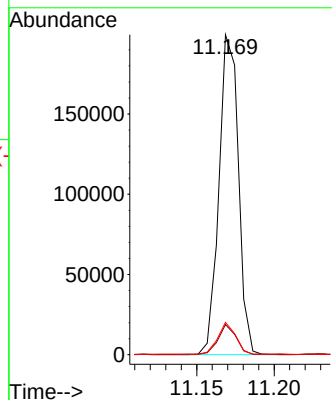
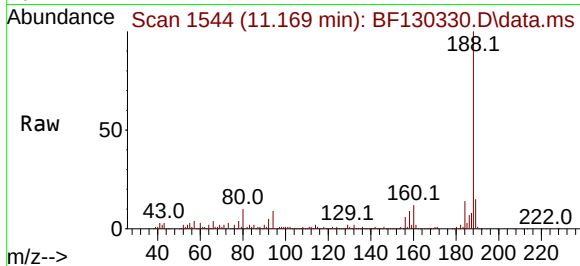




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

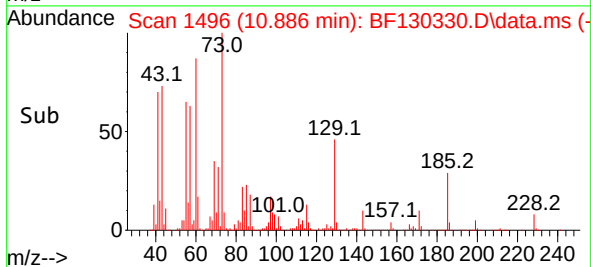
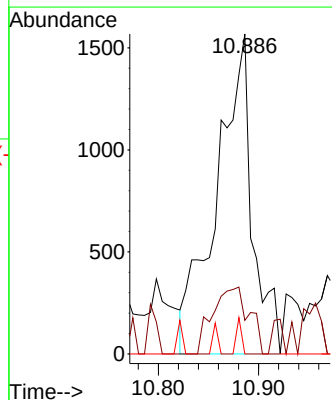
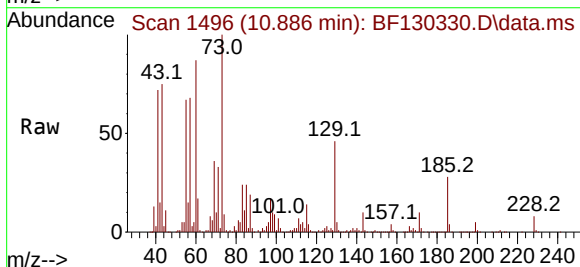
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

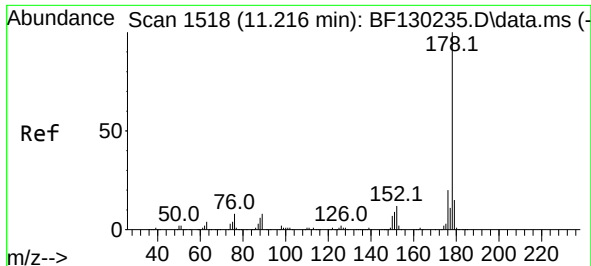
Tgt Ion:188 Resp: 174103
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.1 7.9 11.9



#69
Atrazine
Concen: 2.288 ng
RT: 10.886 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:200 Resp: 3890
Ion Ratio Lower Upper
200 100
173 10.5 6.2 46.2
215 0.0 22.5 62.5#

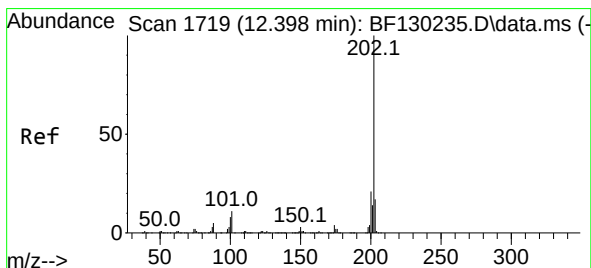
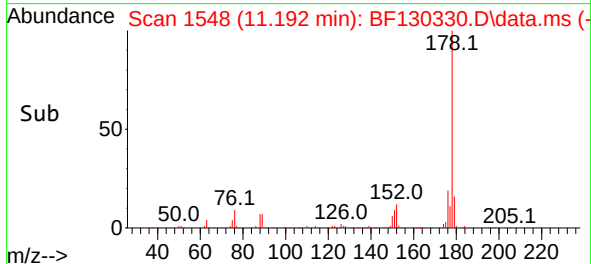
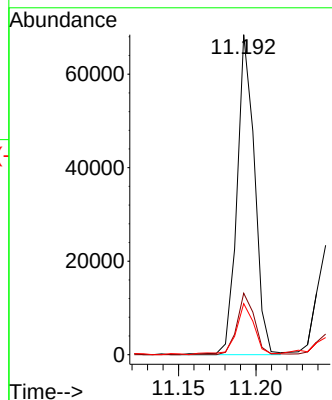
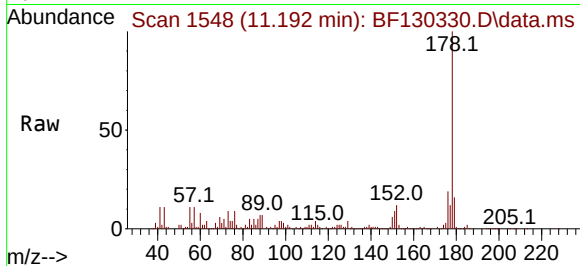




#71
Phenanthrene
Concen: 5.509 ng
RT: 11.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

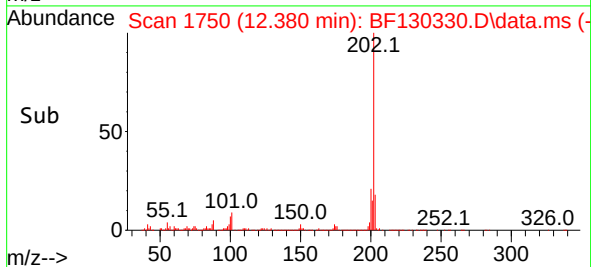
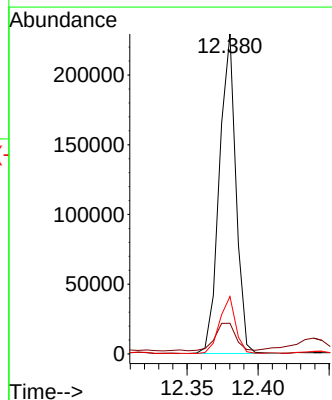
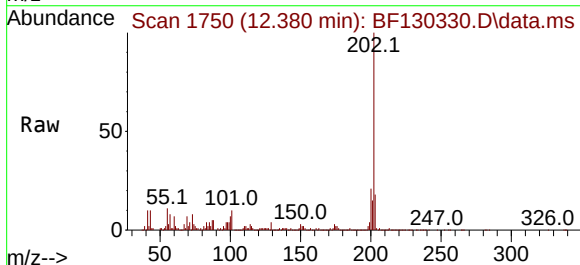
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

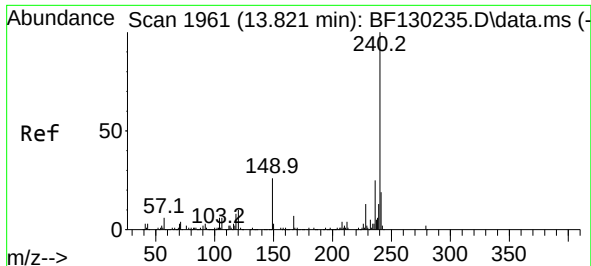
Tgt Ion:178 Resp: 53853
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 16.0 12.4 18.6



#75
Fluoranthene
Concen: 19.643 ng
RT: 12.380 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:202 Resp: 185535
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.8
203 18.0 0.0 37.8

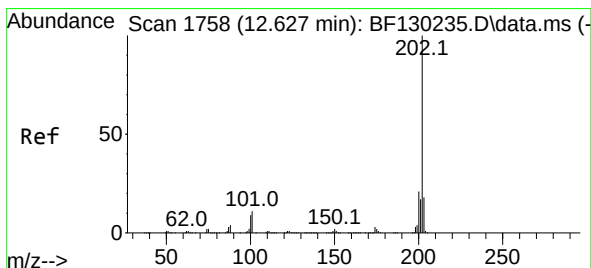
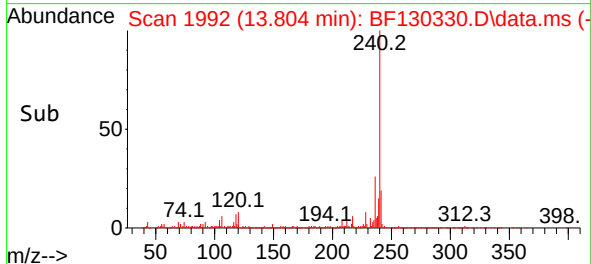
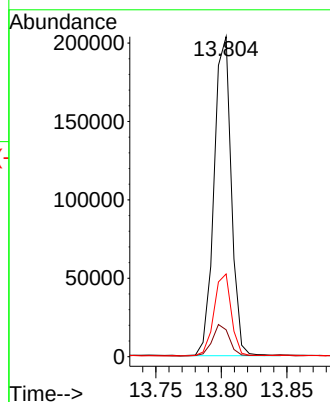
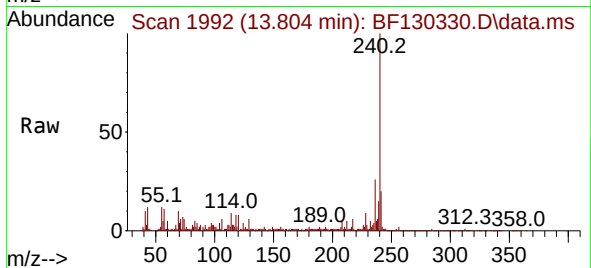




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

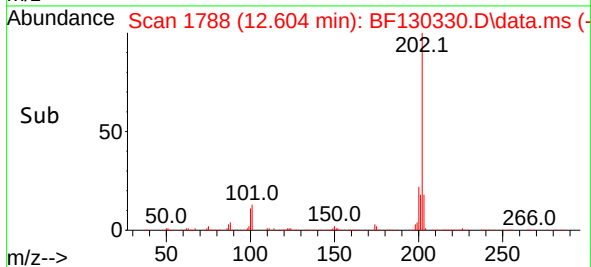
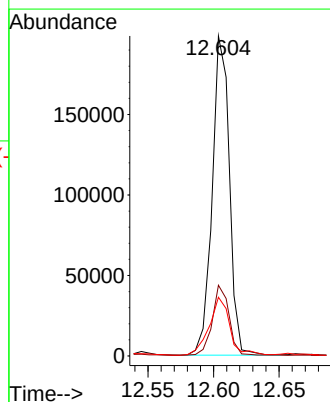
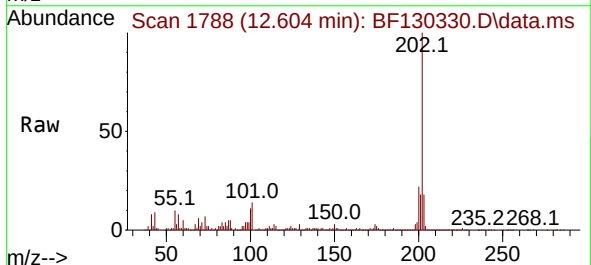
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

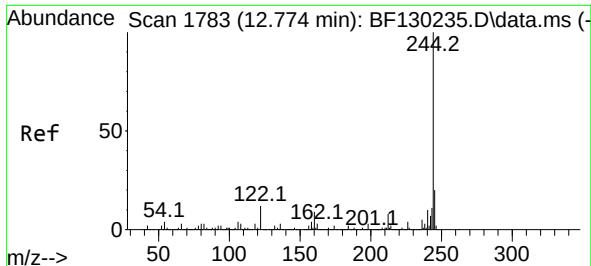
Tgt Ion:240 Resp: 185504
Ion Ratio Lower Upper
240 100
120 8.4 8.7 13.1#
236 25.9 20.9 31.3



#78
Pyrene
Concen: 11.155 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:202 Resp: 181026
Ion Ratio Lower Upper
202 100
200 22.1 17.2 25.8
203 18.4 14.3 21.5

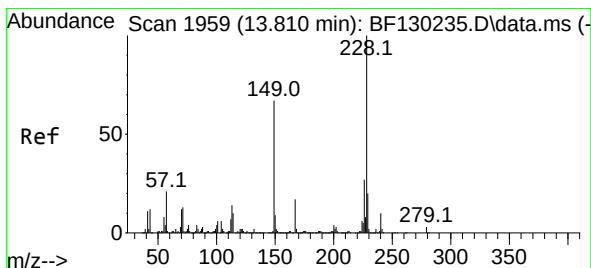
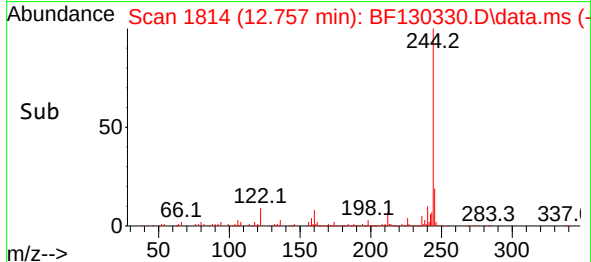
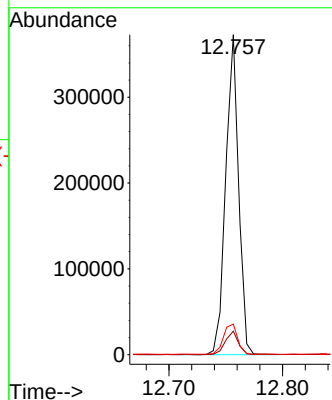
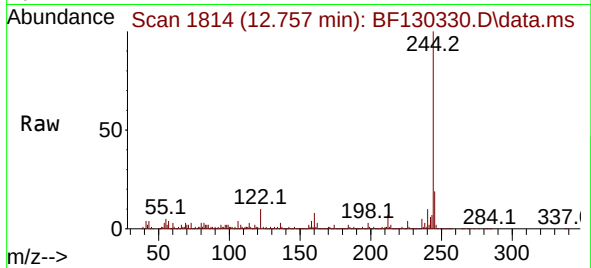




#79
 Terphenyl-d14
 Concen: 26.275 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. -0.000 min
 Lab File: BF130330.D
 Acq: 19 Sep 2022 20:23

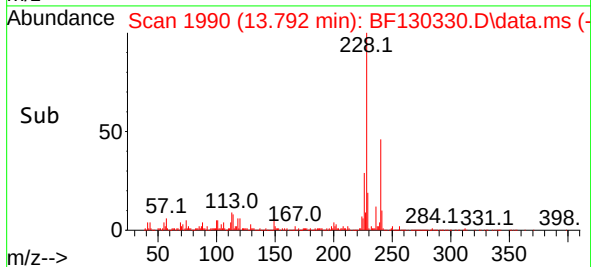
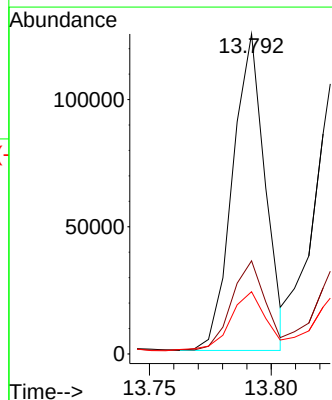
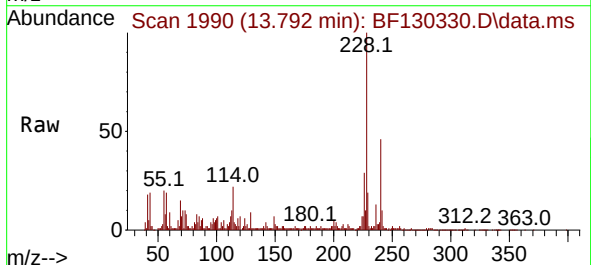
Instrument :
 BNA_F
 ClientSampleId :
 HR-02-091522RE

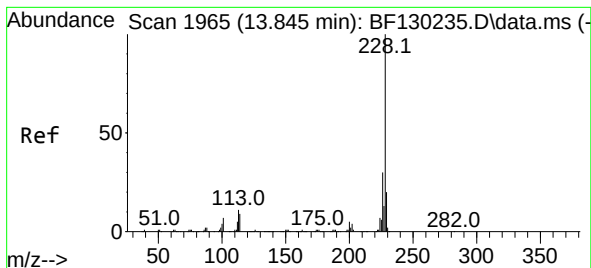
Tgt Ion:244 Resp: 294249
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 9.6 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 9.395 ng
 RT: 13.792 min Scan# 1990
 Delta R.T. -0.000 min
 Lab File: BF130330.D
 Acq: 19 Sep 2022 20:23

Tgt Ion:228 Resp: 115946
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.9 32.9
 229 19.5 16.1 24.1





#83

Chrysene

Concen: 10.061 ng

RT: 13.827 min Scan# 1965

Delta R.T. -0.000 min

Lab File: BF130330.D

Acq: 19 Sep 2022 20:23

Instrument :

BNA_F

ClientSampleId :

HR-02-091522RE

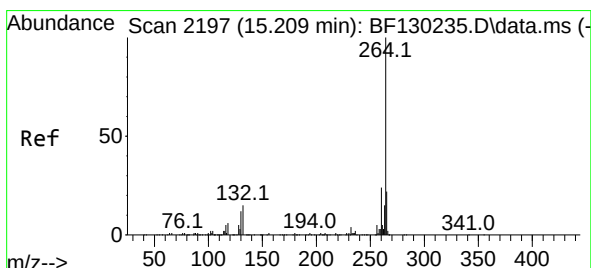
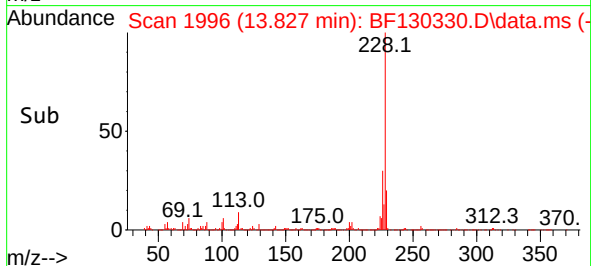
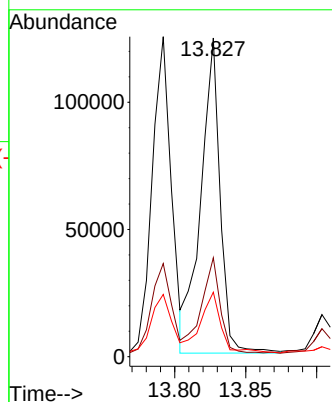
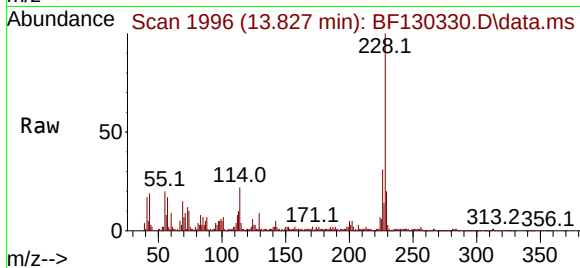
Tgt Ion:228 Resp: 117895

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.8

229 20.2 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.192 min Scan# 2228

Delta R.T. 0.006 min

Lab File: BF130330.D

Acq: 19 Sep 2022 20:23

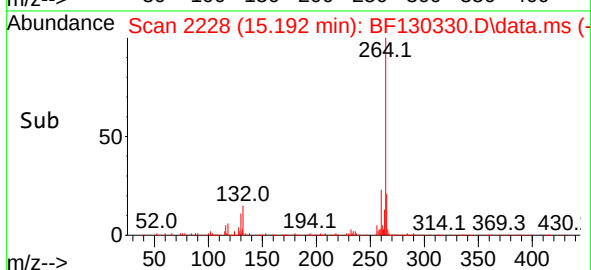
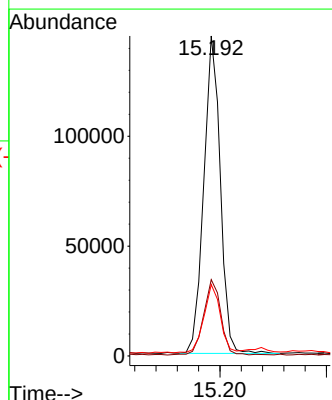
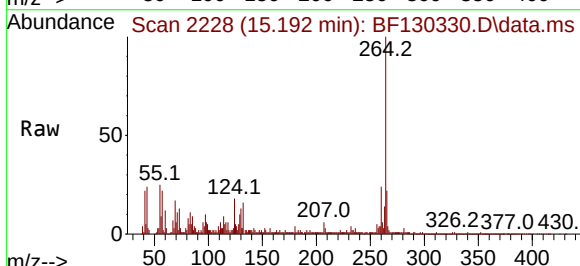
Tgt Ion:264 Resp: 155855

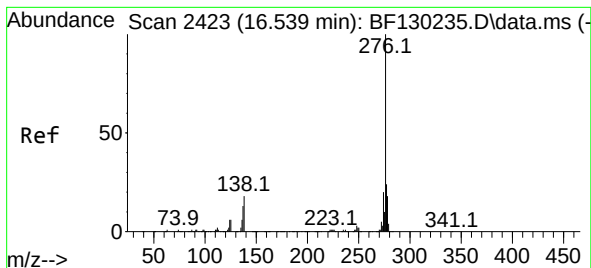
Ion Ratio Lower Upper

264 100

260 23.8 19.3 28.9

265 22.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.009 ng

RT: 16.509 min Scan# 2423

Delta R.T. -0.000 min

Lab File: BF130330.D

Acq: 19 Sep 2022 20:23

Instrument :

BNA_F

ClientSampleId :

HR-02-091522RE

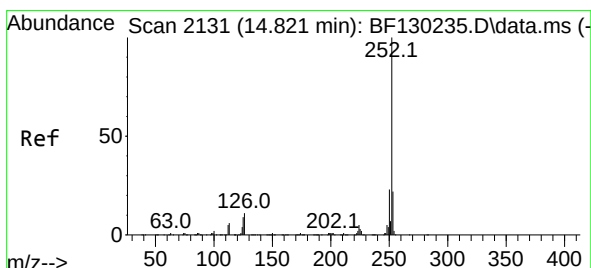
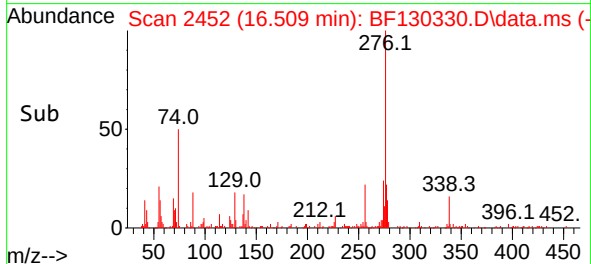
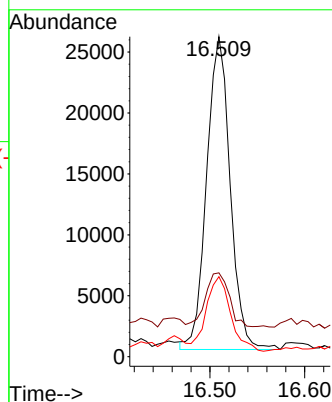
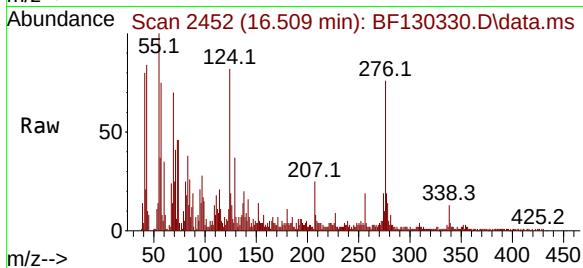
Tgt Ion:276 Resp: 44314

Ion Ratio Lower Upper

276 100

138 17.3 18.5 27.7#

277 24.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 19.361 ng

RT: 14.804 min Scan# 2162

Delta R.T. 0.006 min

Lab File: BF130330.D

Acq: 19 Sep 2022 20:23

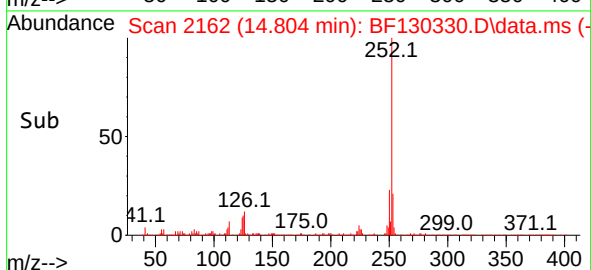
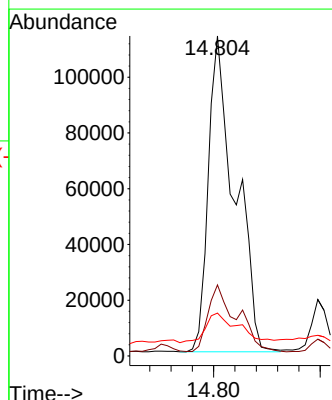
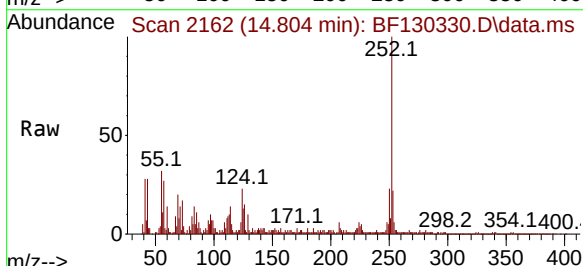
Tgt Ion:252 Resp: 196954

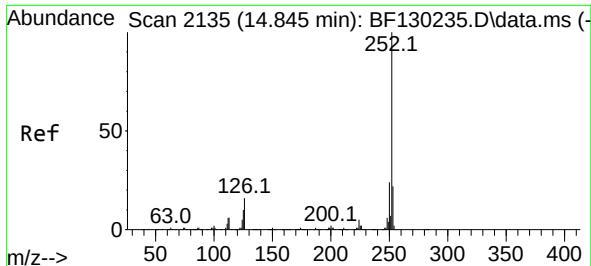
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 13.4 8.1 12.1#

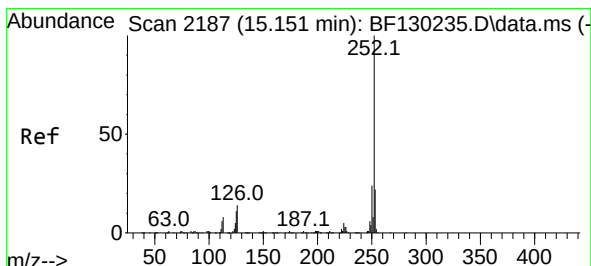
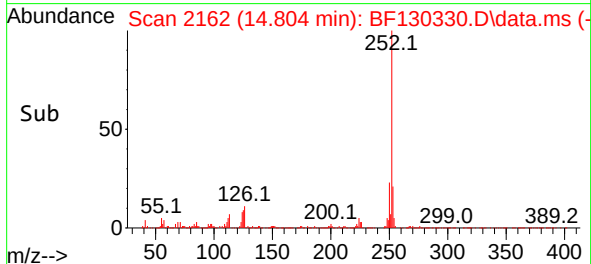
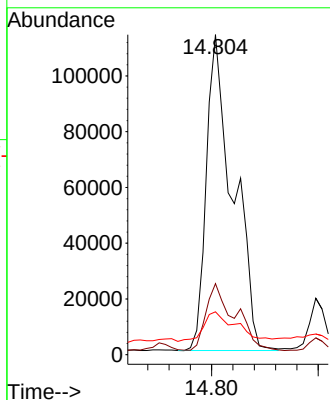
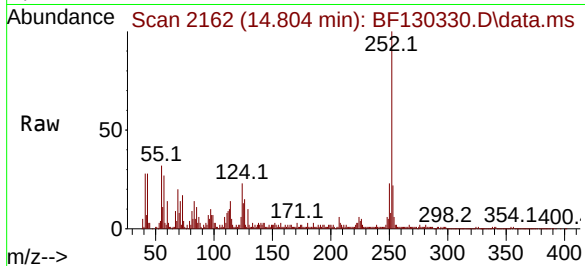




#89
Benzo(k)fluoranthene
Concen: 19.682 ng
RT: 14.804 min Scan# 2135
Delta R.T. -0.024 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

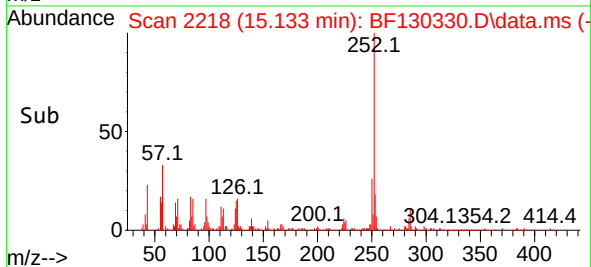
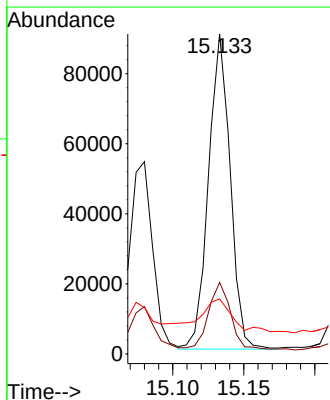
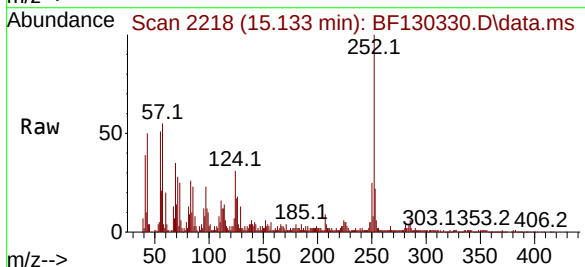
Instrument :
BNA_F
ClientSampleId :
HR-02-091522RE

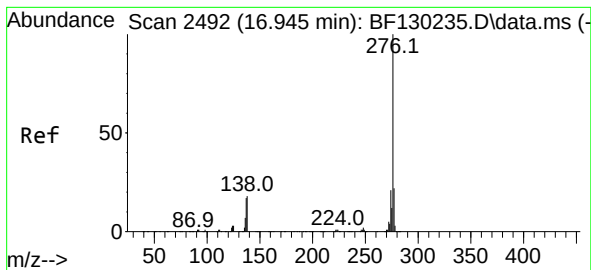
Tgt Ion:252 Resp: 196954
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 13.4 7.9 11.9#



#90
Benzo(a)pyrene
Concen: 11.890 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF130330.D
Acq: 19 Sep 2022 20:23

Tgt Ion:252 Resp: 95822
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 17.2 9.0 13.6#





#92

Benzo(g,h,i)perylene

Concen: 4.296 ng

RT: 16.903 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130330.D

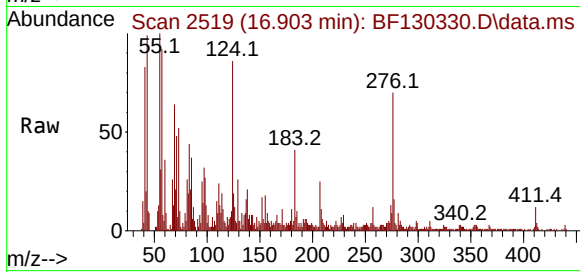
Acq: 19 Sep 2022 20:23

Instrument :

BNA_F

ClientSampleId :

HR-02-091522RE



Tgt Ion:276 Resp: 39240

Ion Ratio Lower Upper

276 100

277 22.9 18.6 27.8

138 29.7 14.6 21.8#

