

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
 Data File : BF121938.D
 Acq On : 13 Oct 2020 15:07
 Operator : JU/CG
 Sample : L4369-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-4

Quant Time: Oct 13 15:34:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 16:22:33 2020
 Response via : Initial Calibration

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

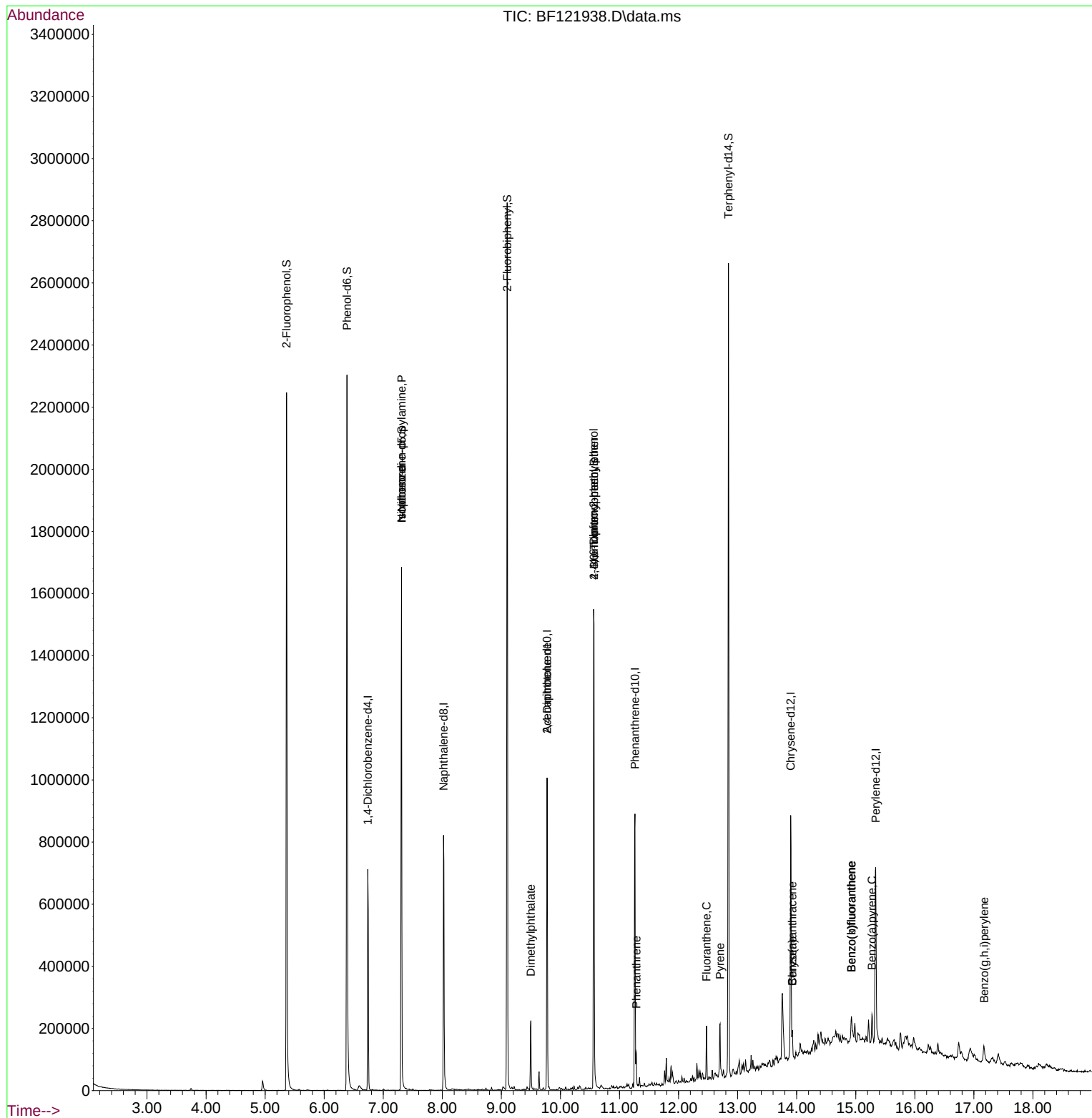
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	101497	20.00	ng	0.00
21) Naphthalene-d8	8.022	136	386994	20.00	ng	-0.01
39) Acenaphthene-d10	9.774	164	191555	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	340572	20.00	ng	-0.01
76) Chrysene-d12	13.898	240	252477	20.00	ng	-0.02
86) Perylene-d12	15.339	264	247209	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	626111	91.05	ng	0.00
7) Phenol-d6	6.386	99	789560	89.19	ng	-0.01
23) Nitrobenzene-d5	7.310	82	533160	70.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	214988	90.73	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	885407	68.01	ng	-0.01
79) Terphenyl-d14	12.845	244	787039	59.41	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.386	77	1091	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.310	70	71070	14.10	ng	# 79
25) Isophorone	7.310	82	533154	37.37	ng	# 67
50) Dimethylphthalate	9.498	163	91614	6.54	ng	98
57) 2,4-Dinitrotoluene	9.774	165	24437	6.46	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.563	198	372	4.58	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	12565	3.19	ng	# 1
71) Phenanthrene	11.286	178	41339	2.21	ng	98
75) Fluoranthene	12.474	202	60559	3.02	ng	97
78) Pyrene	12.704	202	71721	3.73	ng	98
81) Benzo(a)anthracene	13.927	228	36750	2.22	ng	94
83) Chrysene	13.927	228	36750	2.26	ng	96
88) Benzo(b)fluoranthene	14.927	252	53105	3.18	ng	# 90
89) Benzo(k)fluoranthene	14.927	252	53105	3.35	ng	# 89
90) Benzo(a)pyrene	15.274	252	37029	2.57	ng	# 92
92) Benzo(g,h,i)perylene	17.174	276	38516	2.91	ng	98

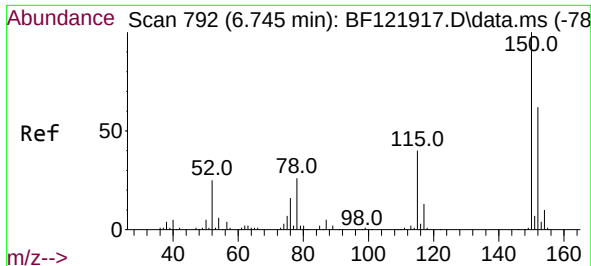
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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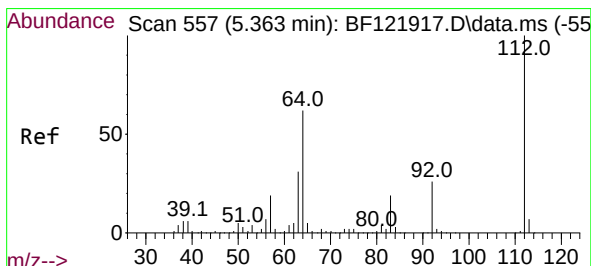
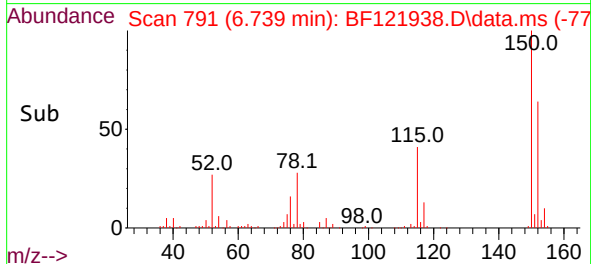
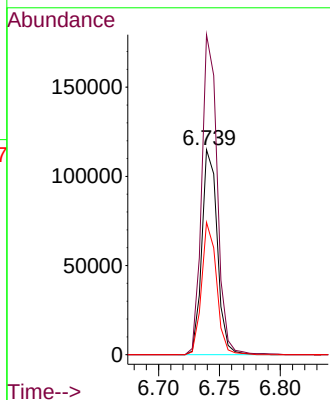
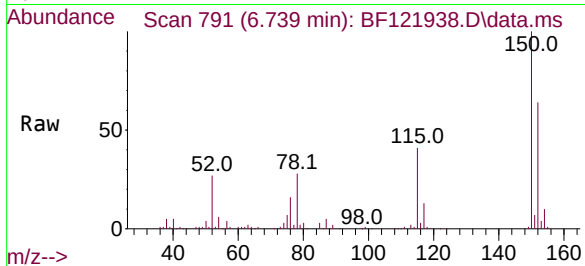




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

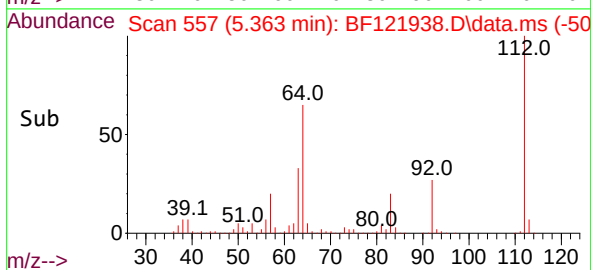
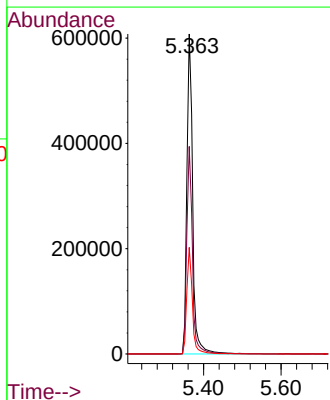
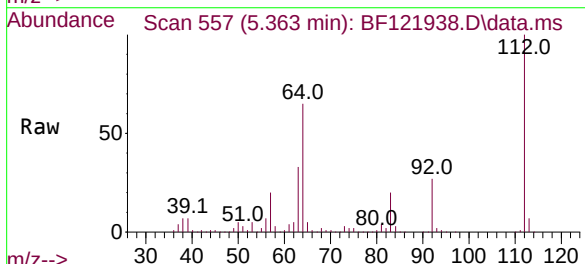
Instrument :
BNA_F
ClientSampleId :
HD-4

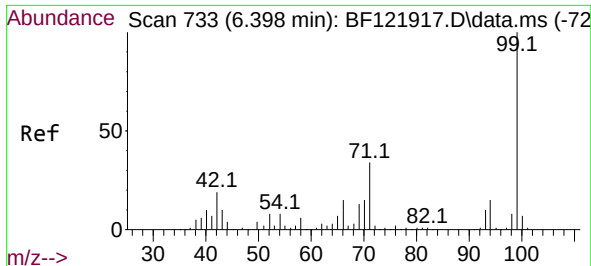
Tgt Ion:152 Resp: 101497
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 64.5 51.9 77.9



#5
2-Fluorophenol
Concen: 91.05 ng
RT: 5.363 min Scan# 557
Delta R.T. -0.000 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:112 Resp: 626111
Ion Ratio Lower Upper
112 100
64 64.9 50.4 75.6
63 33.3 25.8 38.6

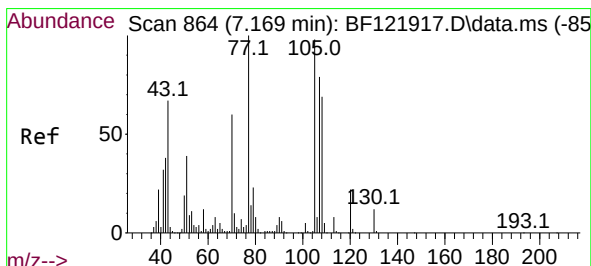
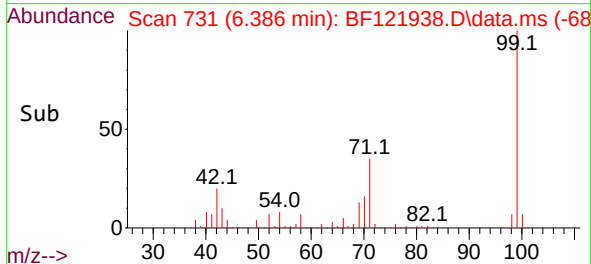
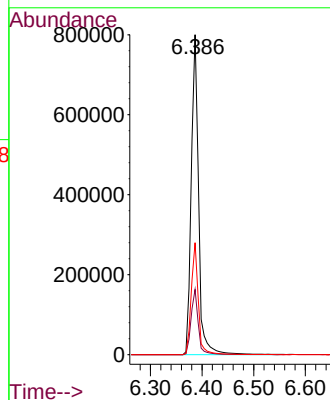
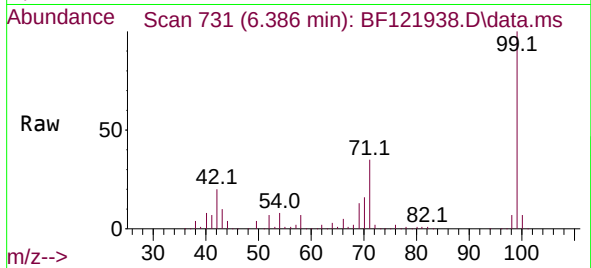




#7
Phenol-d6
Concen: 89.19 ng
RT: 6.386 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

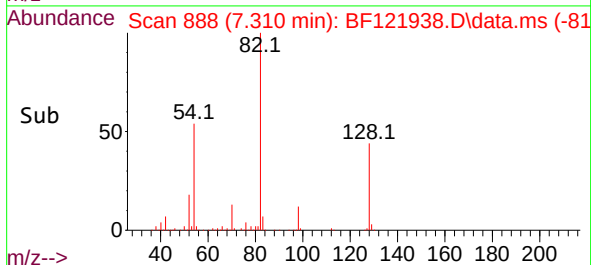
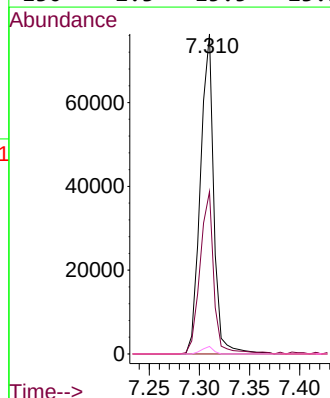
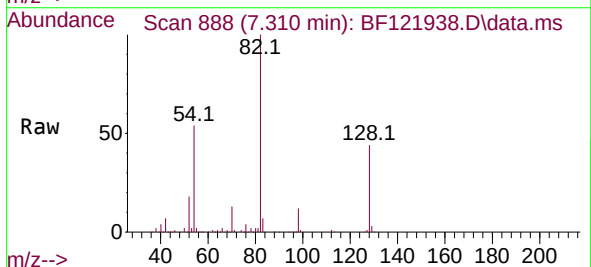
Instrument :
BNA_F
ClientSampleId :
HD-4

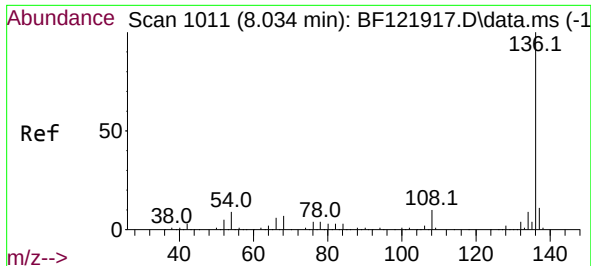
Tgt Ion: 99 Resp: 789560
Ion Ratio Lower Upper
99 100
42 20.4 15.9 23.9
71 35.0 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.10 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

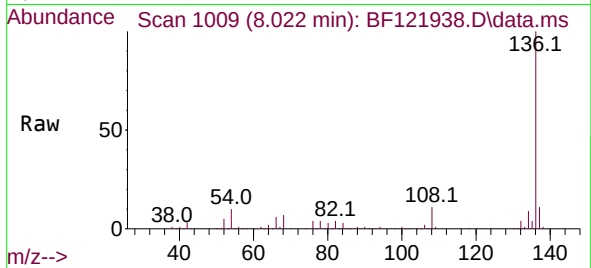
Tgt Ion: 70 Resp: 71070
Ion Ratio Lower Upper
70 100
42 50.7 50.2 75.4
101 0.0 7.5 11.3#
130 2.3 15.5 23.3#



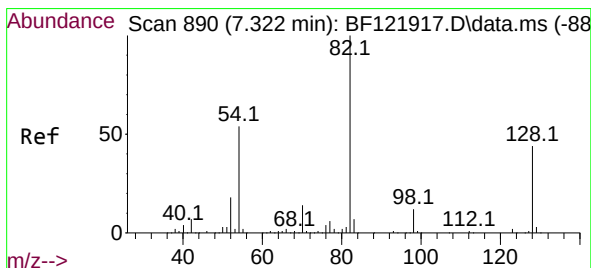
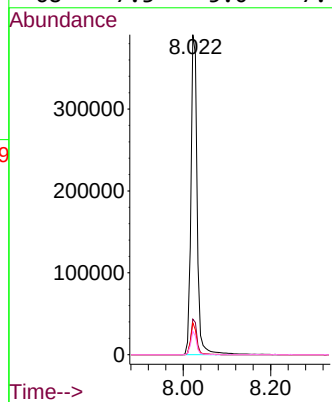
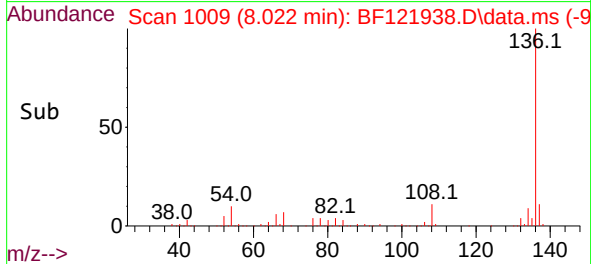


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

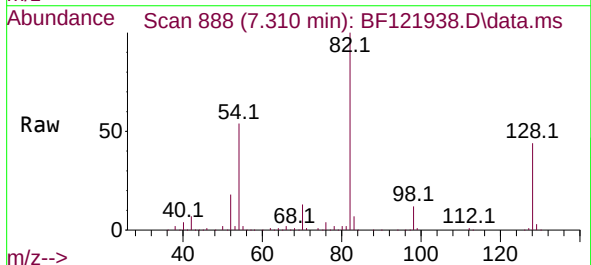
Instrument :
BNA_F
ClientSampled :
HD-4



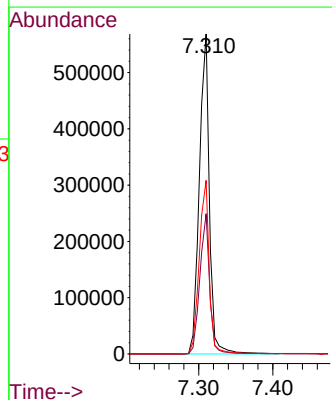
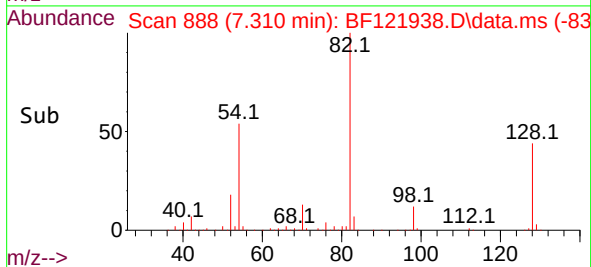
Tgt Ion:136 Resp: 386994
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.0 7.1 10.7
68 7.3 5.0 7.4

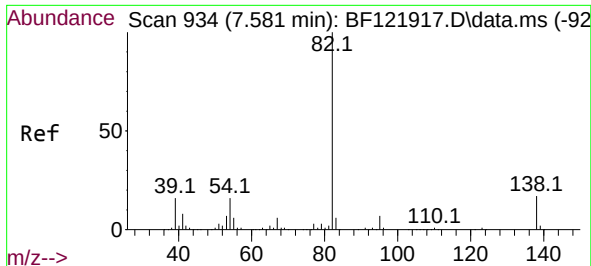


#23
Nitrobenzene-d5
Concen: 70.66 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07



Tgt Ion: 82 Resp: 533160
Ion Ratio Lower Upper
82 100
128 43.9 35.0 52.4
54 54.3 43.9 65.9

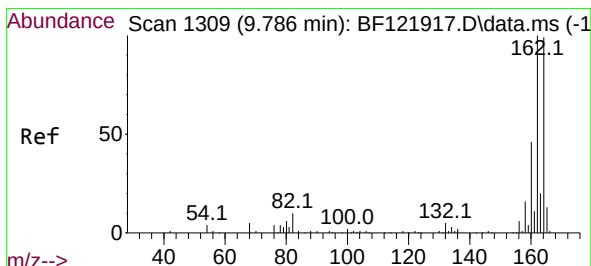
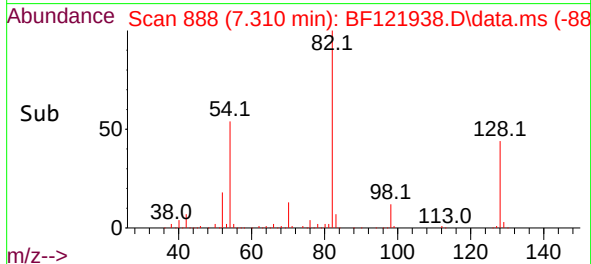
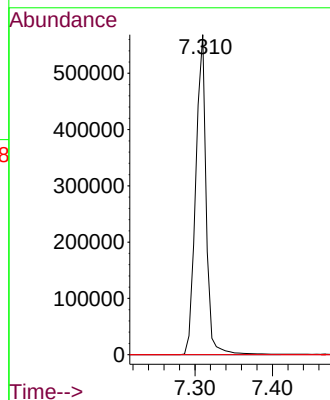
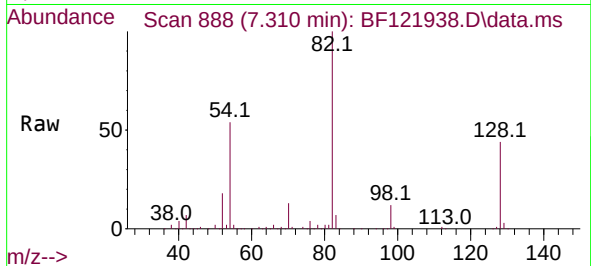




#25
Isophorone
Concen: 37.37 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.271 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

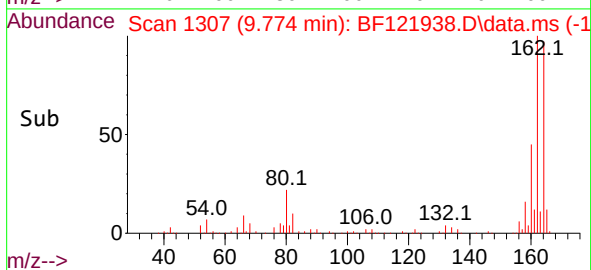
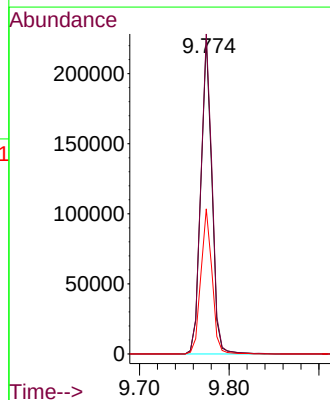
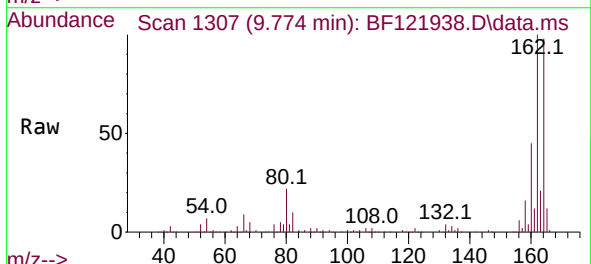
Instrument :
BNA_F
ClientSampleId :
HD-4

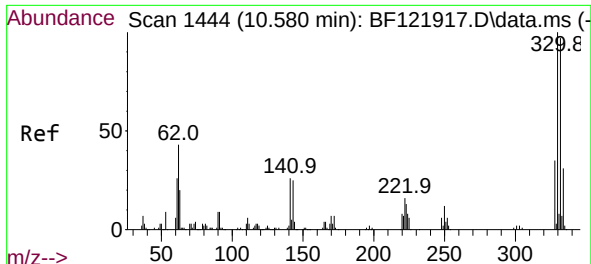
Tgt Ion: 82 Resp: 533154
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:164 Resp: 191555
Ion Ratio Lower Upper
164 100
162 101.6 83.2 124.8
160 46.0 37.5 56.3

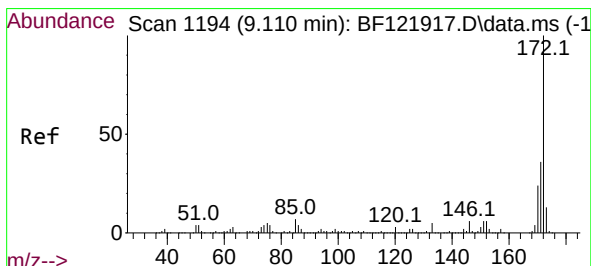
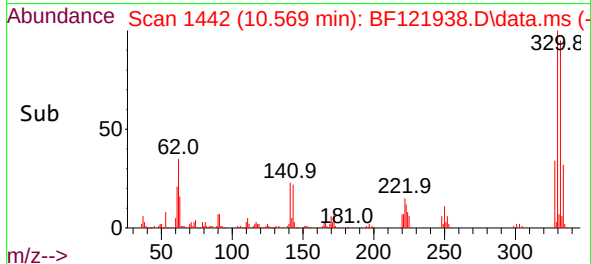
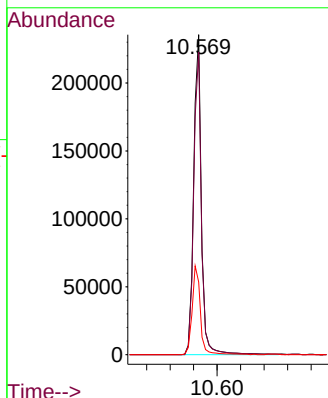
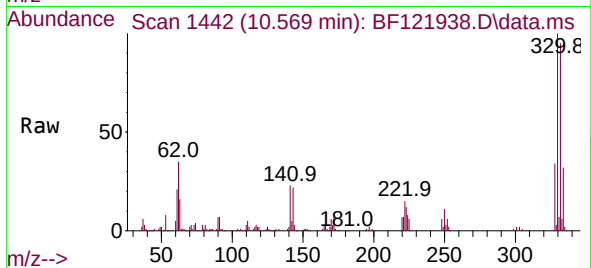




#42
2,4,6-Tribromophenol
Concen: 90.73 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

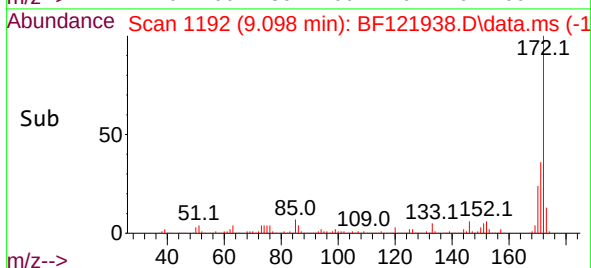
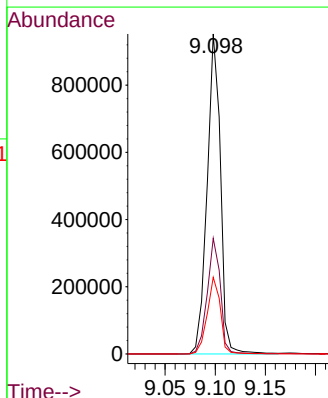
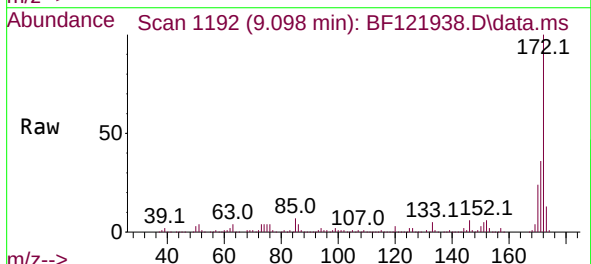
Instrument :
BNA_F
ClientSampleId :
HD-4

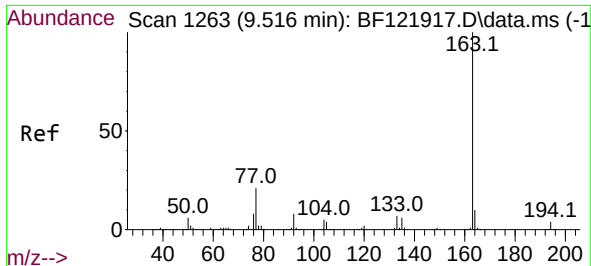
Tgt Ion:330 Resp: 214988
Ion Ratio Lower Upper
330 100
332 94.7 77.3 115.9
141 29.5 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 68.01 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:172 Resp: 885407
Ion Ratio Lower Upper
172 100
171 36.1 29.1 43.7
170 24.0 19.8 29.6

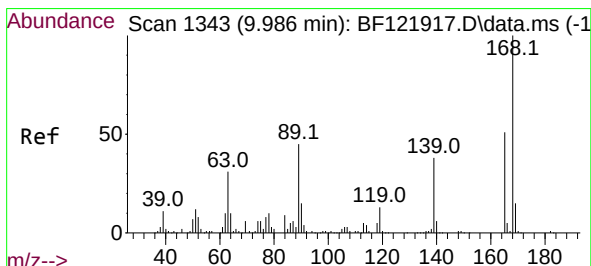
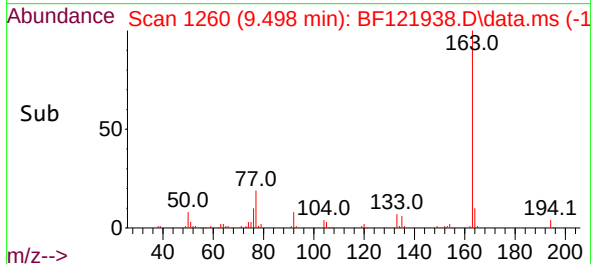
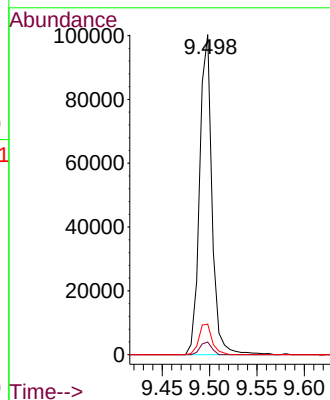
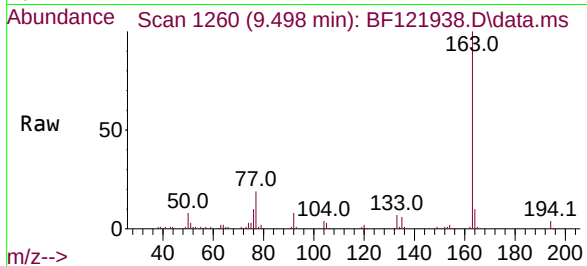




#50
Dimethylphthalate
Concen: 6.54 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

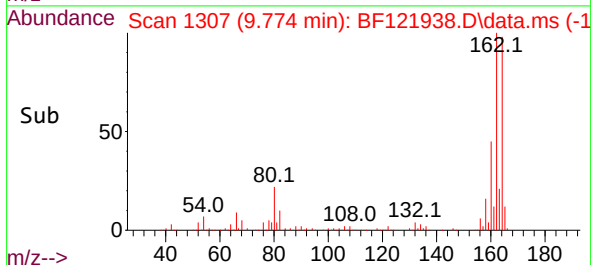
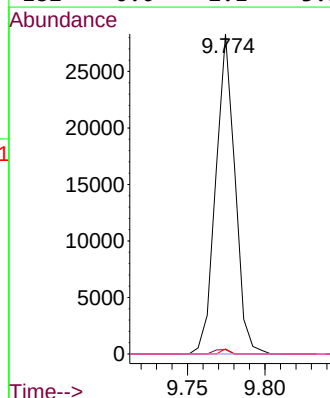
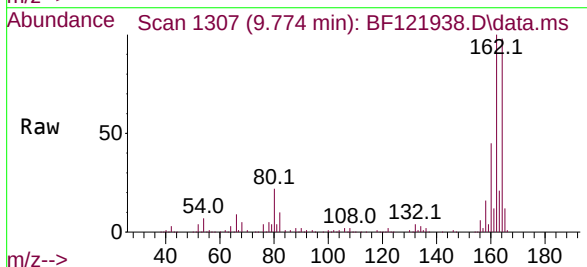
Instrument :
BNA_F
ClientSampled :
HD-4

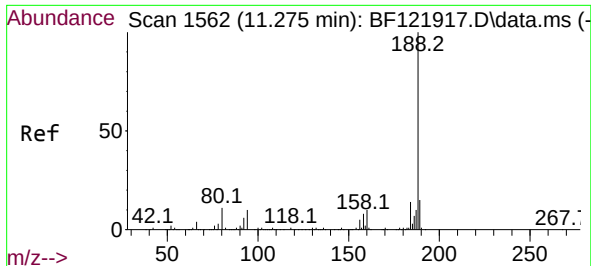
Tgt Ion:163 Resp: 91614
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.6 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.46 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:165 Resp: 24437
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.6 61.8 92.8#
182 0.0 2.1 3.1#

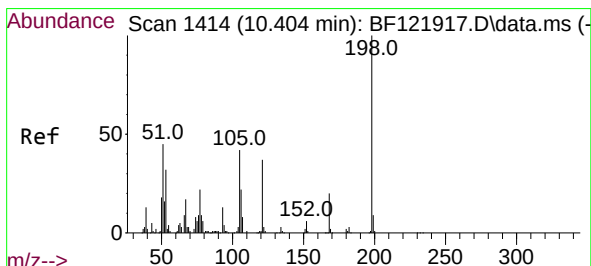
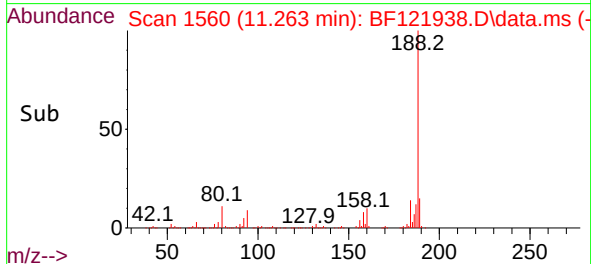
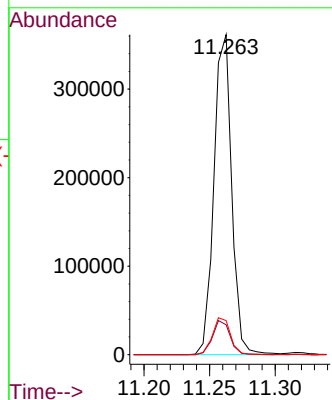
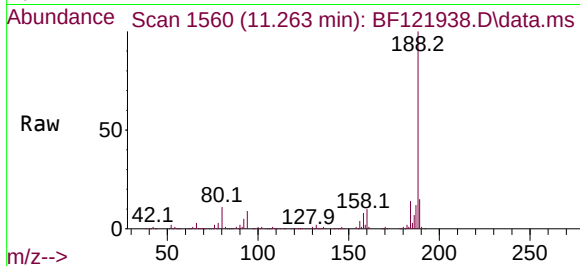




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

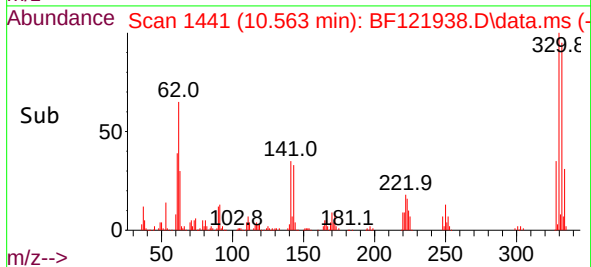
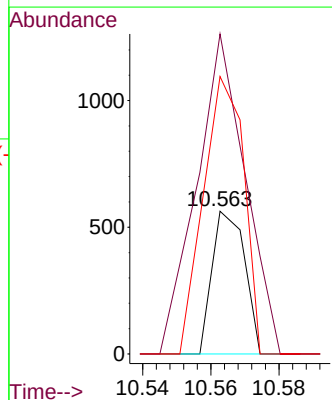
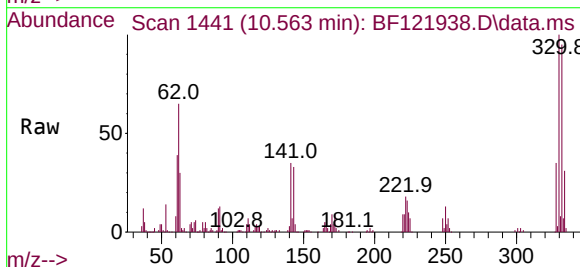
Instrument :
BNA_F
ClientSampleId :
HD-4

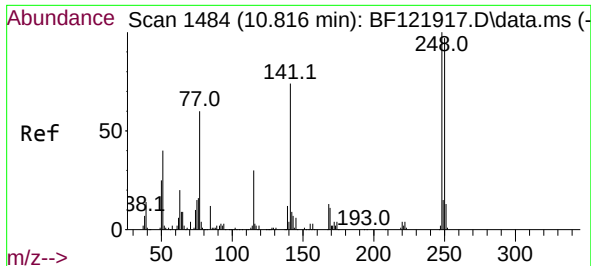
Tgt Ion:188 Resp: 340572
Ion Ratio Lower Upper
188 100
94 9.4 8.3 12.5
80 10.6 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.58 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.159 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:198 Resp: 372
Ion Ratio Lower Upper
198 100
51 224.3 29.6 69.6#
105 194.5 24.4 64.4#

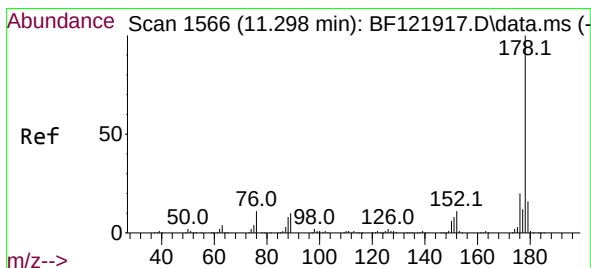
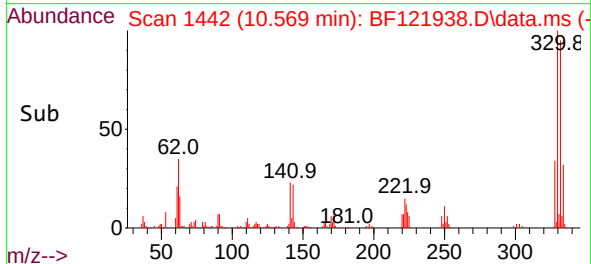
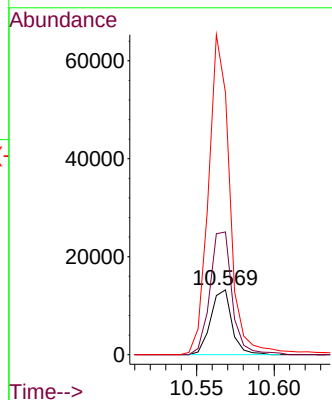
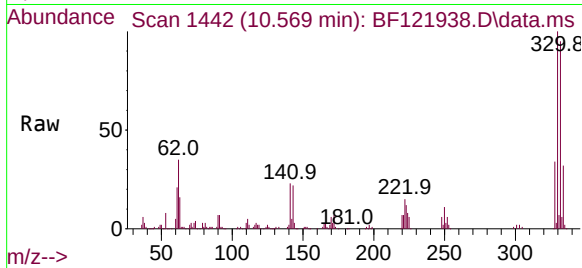




#67
4-Bromophenyl-phenylether
Concen: 3.19 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

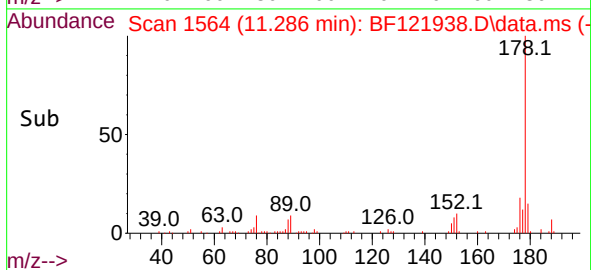
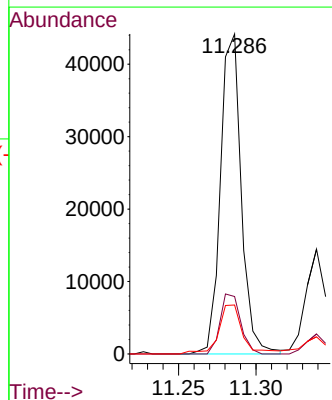
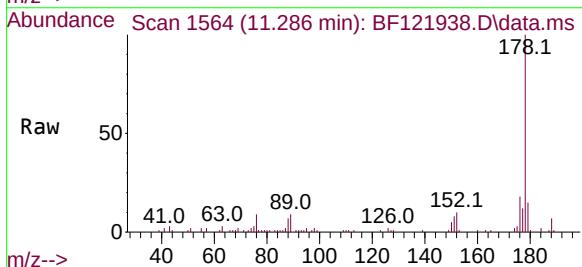
Instrument :
BNA_F
ClientSampled :
HD-4

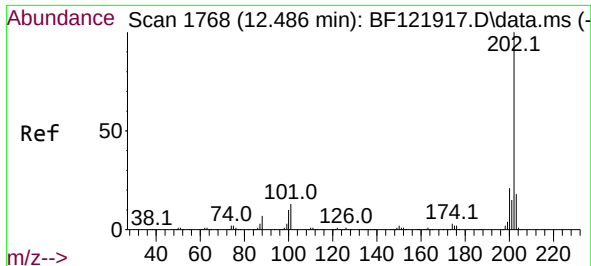
Tgt Ion:248 Resp: 12565
Ion Ratio Lower Upper
248 100
250 189.6 77.0 115.6#
141 404.7 53.7 80.5#



#71
Phenanthrene
Concen: 2.21 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:178 Resp: 41339
Ion Ratio Lower Upper
178 100
176 18.0 15.9 23.9
179 15.3 12.2 18.4

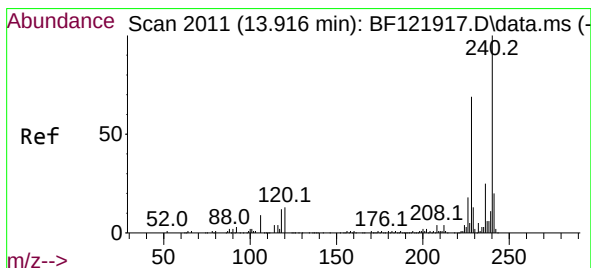
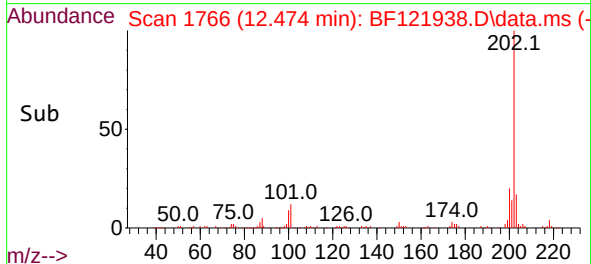
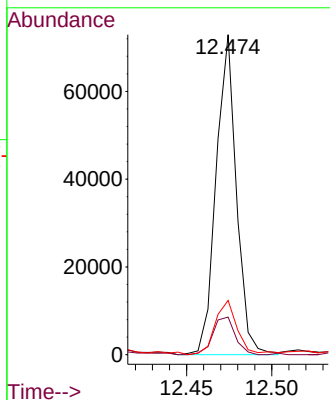
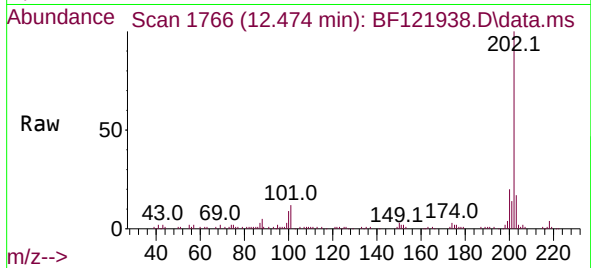




#75
Fluoranthene
Concen: 3.02 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

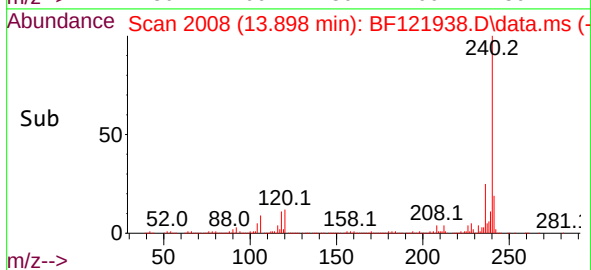
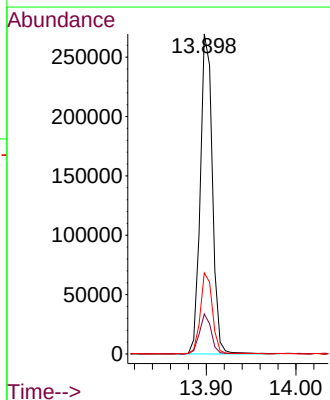
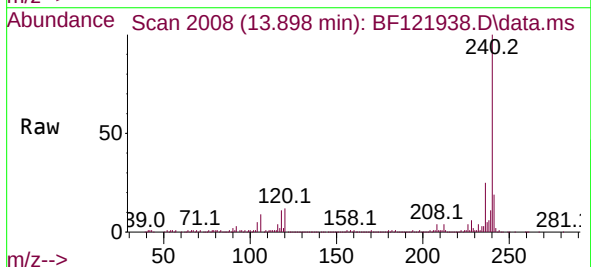
Instrument :
BNA_F
ClientSampled :
HD-4

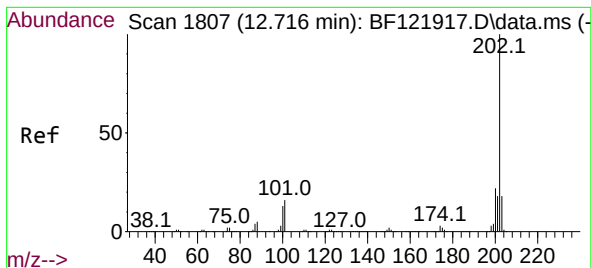
Tgt Ion:202 Resp: 60559
Ion Ratio Lower Upper
202 100
101 11.8 0.0 33.4
203 17.0 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.018 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:240 Resp: 252477
Ion Ratio Lower Upper
240 100
120 12.5 9.2 13.8
236 25.3 20.9 31.3





#78

Pyrene

Concen: 3.73 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BF121938.D

Acq: 13 Oct 2020 15:07

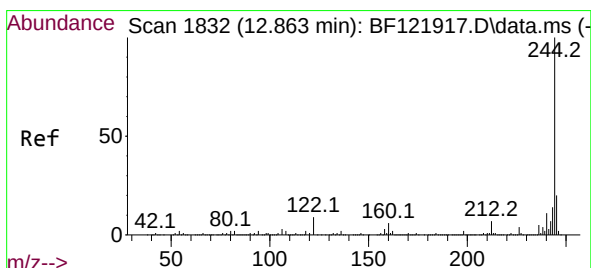
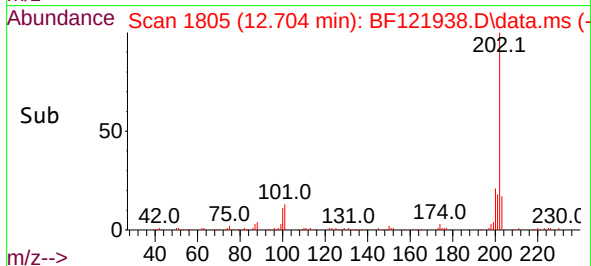
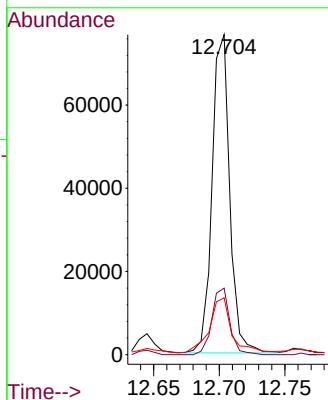
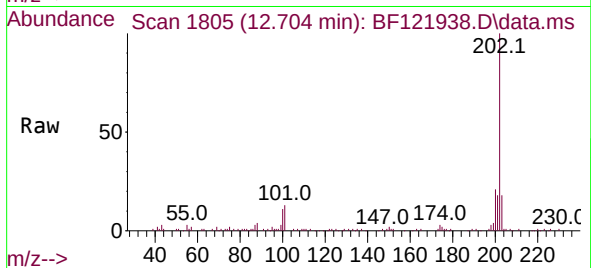
Tgt Ion:202	Resp:	71721
Ion Ratio	Lower	Upper
202	100	
200	20.8	17.4 26.2
203	17.8	14.6 21.8

Instrument :

BNA_F

ClientSampleId :

HD-4



#79

Terphenyl-d14

Concen: 59.41 ng

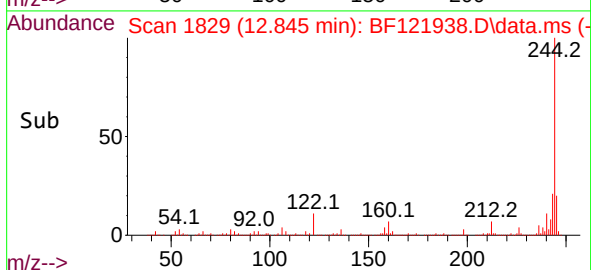
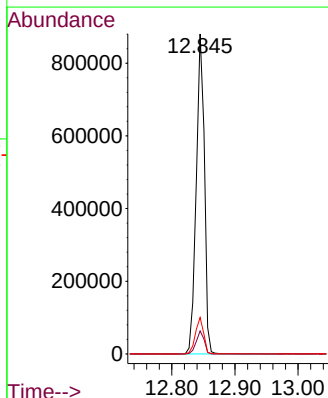
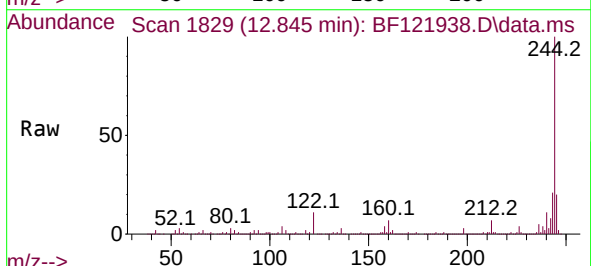
RT: 12.845 min Scan# 1829

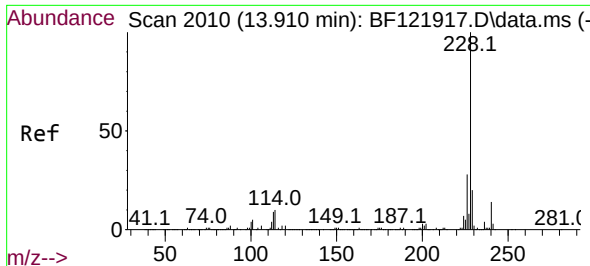
Delta R.T. -0.018 min

Lab File: BF121938.D

Acq: 13 Oct 2020 15:07

Tgt Ion:244	Resp:	787039
Ion Ratio	Lower	Upper
244	100	
212	7.2	5.4 8.2
122	11.4	8.1 12.1

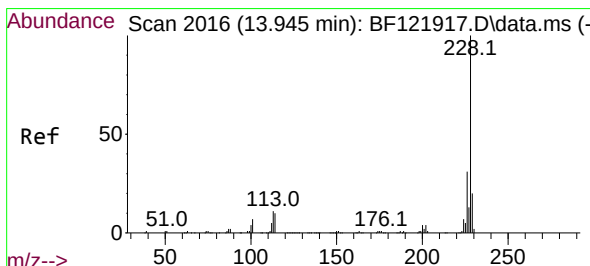
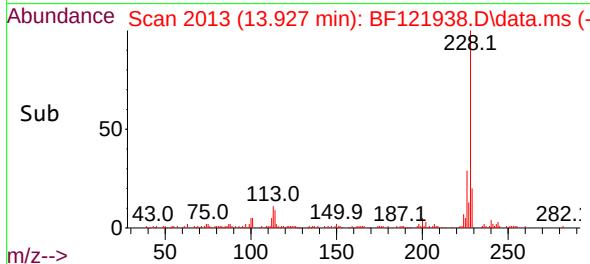
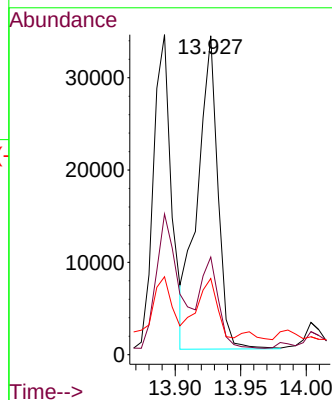
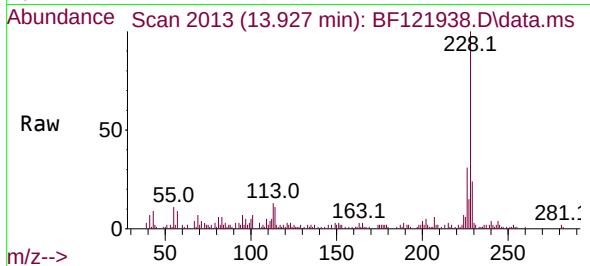




#81
Benzo(a)anthracene
Concen: 2.22 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.018 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

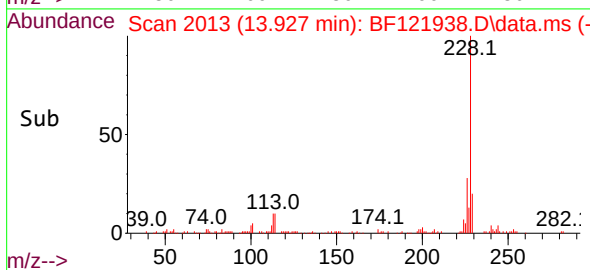
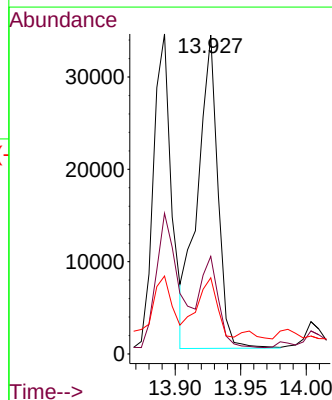
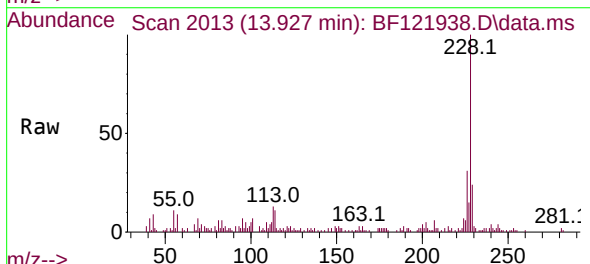
Instrument :
BNA_F
ClientSampled :
HD-4

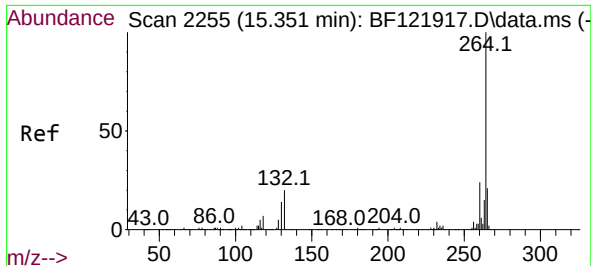
Tgt Ion:228 Resp: 36750
Ion Ratio Lower Upper
228 100
226 30.6 22.3 33.5
229 23.9 16.2 24.4



#83
Chrysene
Concen: 2.26 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:228 Resp: 36750
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 23.9 15.9 23.9

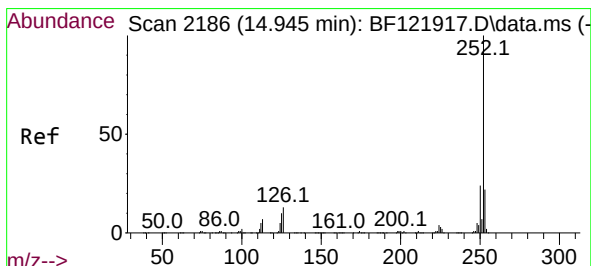
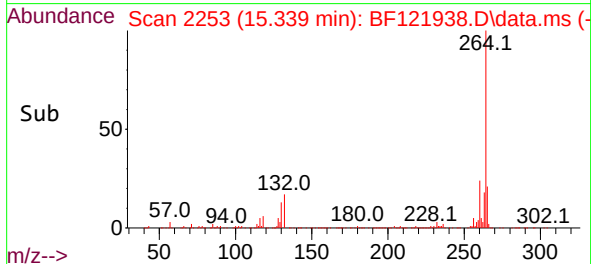
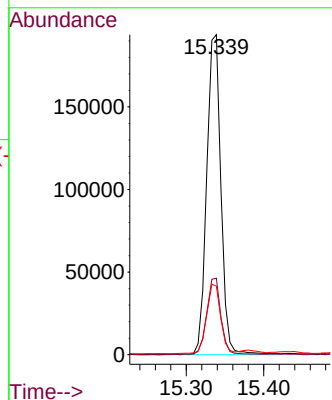
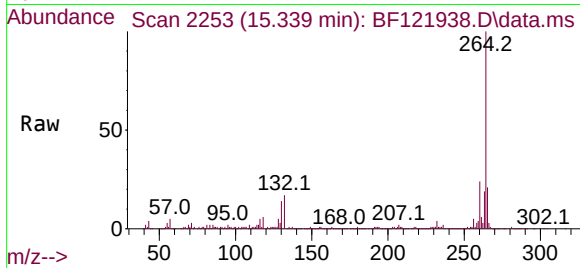




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

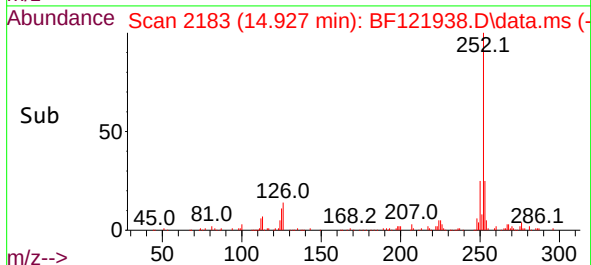
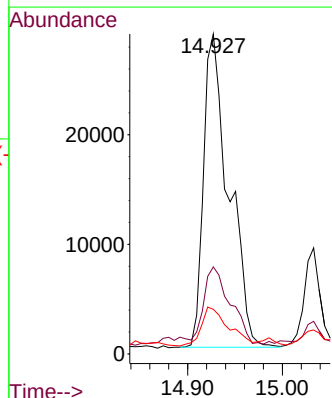
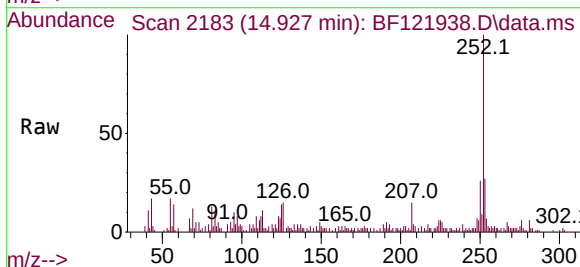
Instrument :
BNA_F
ClientSampled :
HD-4

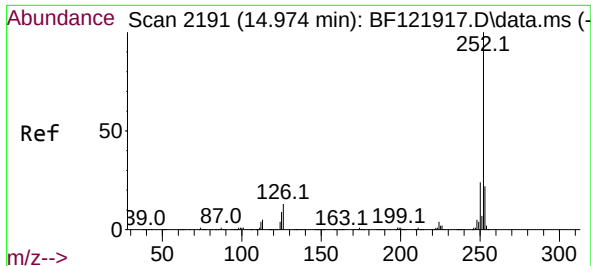
Tgt Ion:264 Resp: 247209
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.4 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 3.18 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.018 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:252 Resp: 53105
Ion Ratio Lower Upper
252 100
253 27.2 18.2 27.2
125 13.9 8.0 12.0#

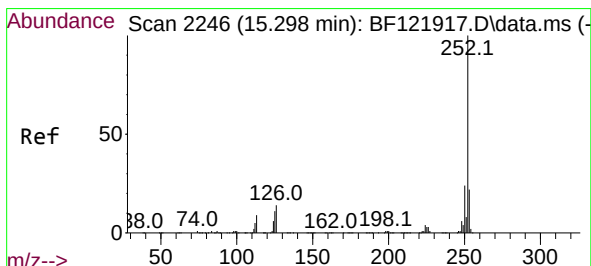
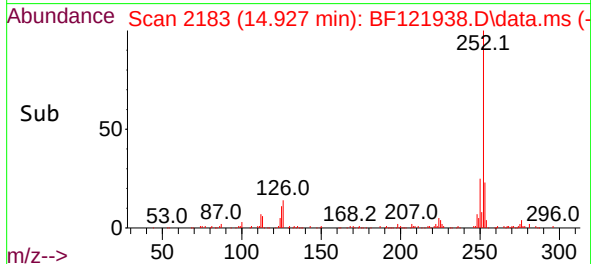
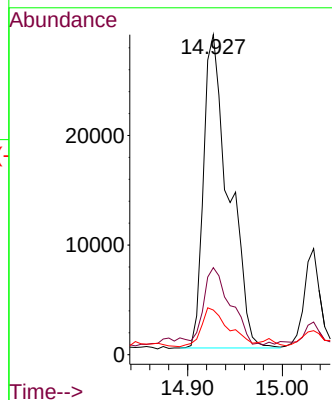
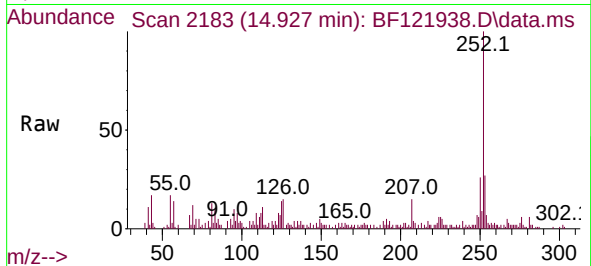




#89
Benzo(k)fluoranthene
Concen: 3.35 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.047 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

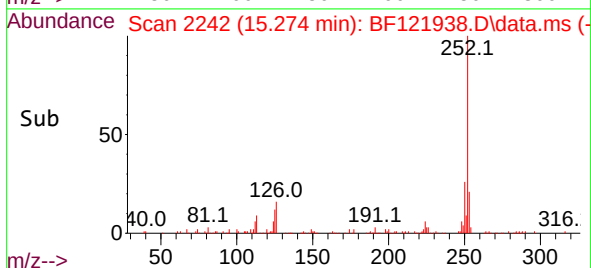
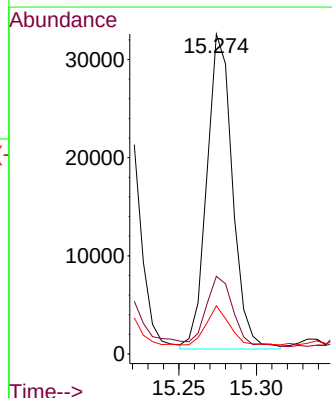
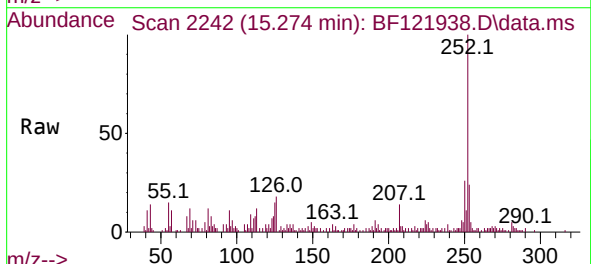
Instrument :
BNA_F
ClientSampled :
HD-4

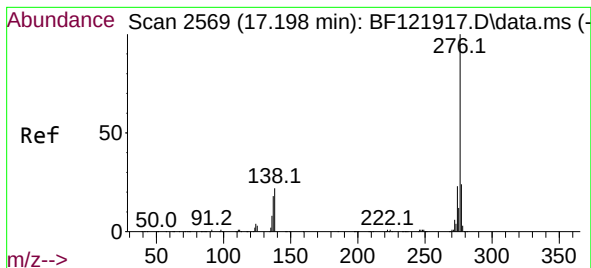
Tgt Ion:252 Resp: 53105
Ion Ratio Lower Upper
252 100
253 27.2 17.8 26.6#
125 13.9 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 2.57 ng
RT: 15.274 min Scan# 2242
Delta R.T. -0.024 min
Lab File: BF121938.D
Acq: 13 Oct 2020 15:07

Tgt Ion:252 Resp: 37029
Ion Ratio Lower Upper
252 100
253 24.3 17.3 25.9
125 15.1 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 2.91 ng

RT: 17.174 min Scan# 2565

Delta R.T. -0.024 min

Lab File: BF121938.D

Acq: 13 Oct 2020 15:07

Tgt Ion: 276 Resp: 38516

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 20.4 17.8 26.6

Instrument :

BNA_F

ClientSampleId :

HD-4

