

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
 Data File : BF121937.D
 Acq On : 13 Oct 2020 14:35
 Operator : JU/CG
 Sample : L4369-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-3

Quant Time: Oct 13 15:09:40 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)

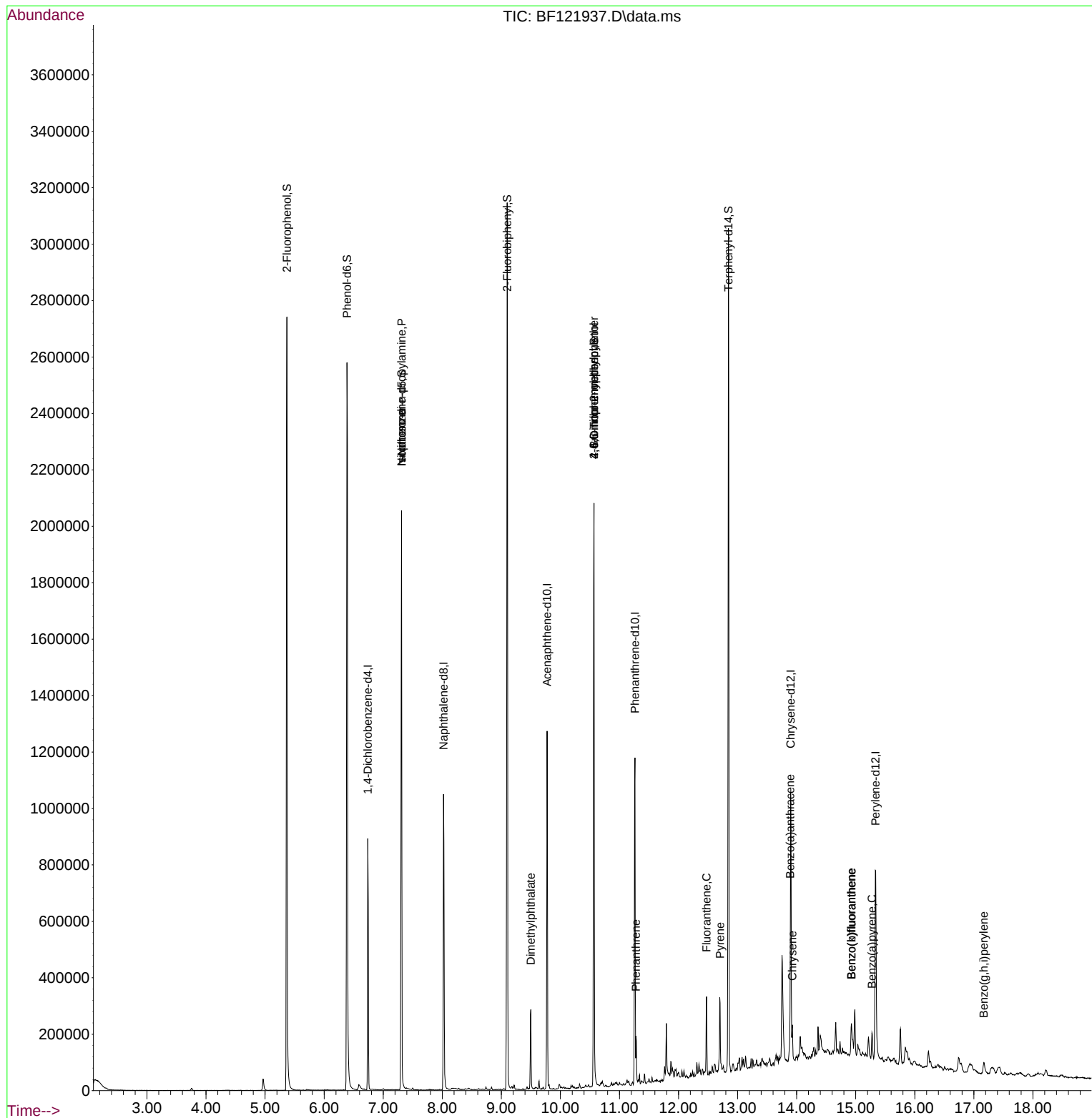
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	124715	20.00	ng	0.00
21) Naphthalene-d8	8.022	136	481012	20.00	ng	-0.01
39) Acenaphthene-d10	9.775	164	242173	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	436706	20.00	ng	-0.01
76) Chrysene-d12	13.898	240	298420	20.00	ng	-0.02
86) Perylene-d12	15.333	264	270620	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	766199	90.67	ng	0.00
7) Phenol-d6	6.387	99	975537	89.68	ng	-0.01
23) Nitrobenzene-d5	7.310	82	665828	70.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	279386	93.26	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1084160	65.87	ng	-0.01
79) Terphenyl-d14	12.845	244	945813	60.40	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	3373	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.310	70	88772	14.33	ng	# 78
25) Isophorone	7.310	82	665823	37.54	ng	# 67
50) Dimethylphthalate	9.498	163	122017	6.89	ng	99
65) 4,6-Dinitro-2-methylph...	10.569	198	439	4.57	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	15946	3.16	ng	# 1
71) Phenanthrene	11.280	178	57518	2.40	ng	99
75) Fluoranthene	12.475	202	105885	4.12	ng	98
78) Pyrene	12.704	202	110399	4.85	ng	97
81) Benzo(a)anthracene	13.892	228	47390	2.42	ng	93
83) Chrysene	13.927	228	50371	2.62	ng	99
88) Benzo(b)fluoranthene	14.927	252	75927	4.15	ng	# 97
89) Benzo(k)fluoranthene	14.927	252	75927	4.37	ng	# 96
90) Benzo(a)pyrene	15.274	252	39873	2.52	ng	# 97
92) Benzo(g,h,i)perylene	17.168	276	34031	2.35	ng	97

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

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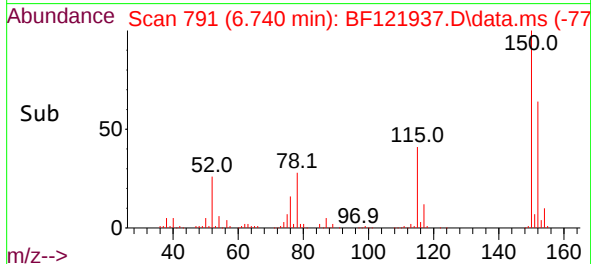
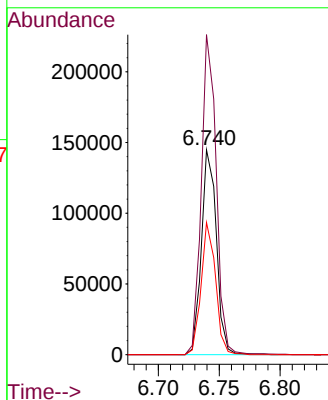
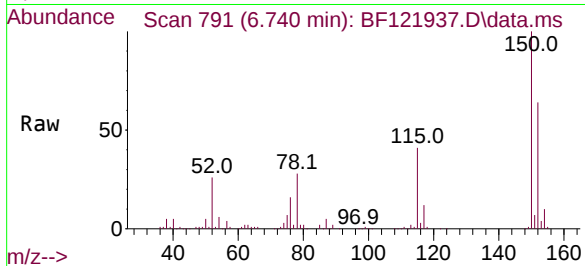




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

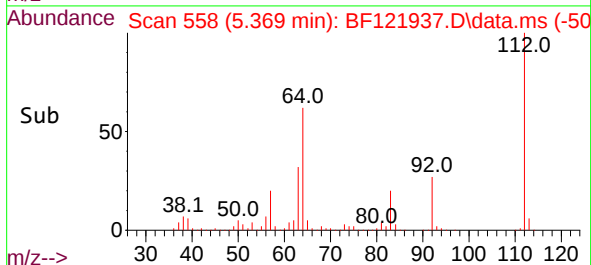
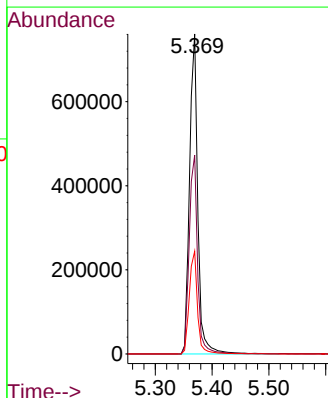
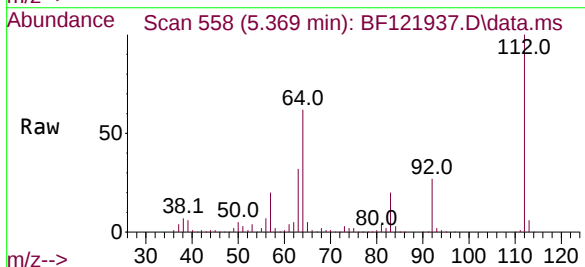
Instrument :
BNA_F
ClientSampleId :
HD-3

Tgt Ion:152 Resp: 124715
Ion Ratio Lower Upper
152 100
150 156.3 125.3 187.9
115 64.6 51.9 77.9



#5
2-Fluorophenol
Concen: 90.67 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:112 Resp: 766199
Ion Ratio Lower Upper
112 100
64 62.2 50.4 75.6
63 32.1 25.8 38.6

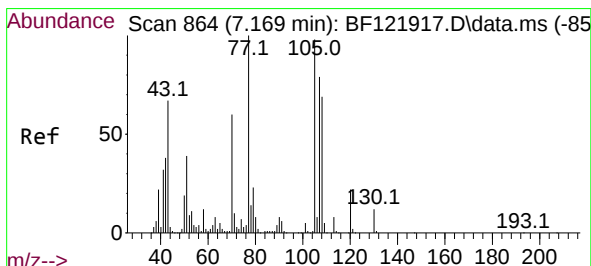
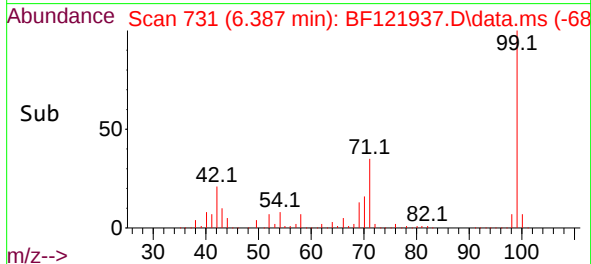
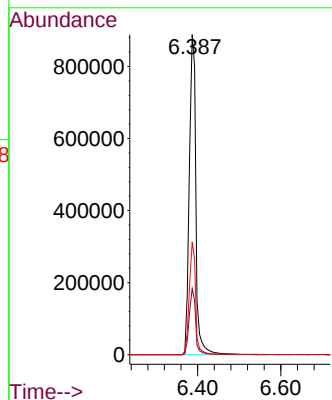
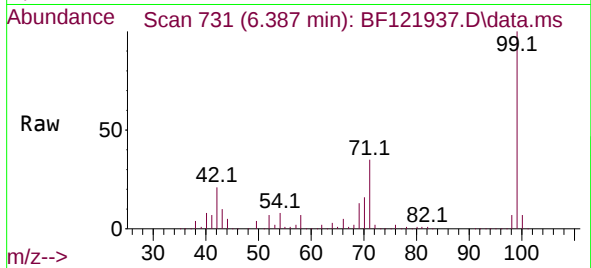




#7
Phenol-d6
Concen: 89.68 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

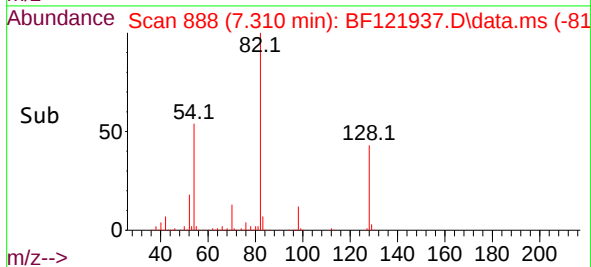
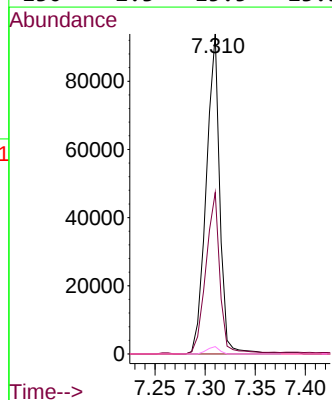
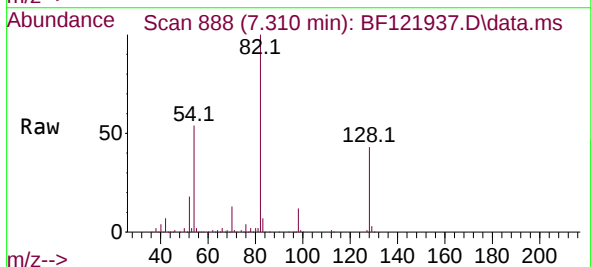
Instrument :
BNA_F
ClientSampleId :
HD-3

Tgt Ion: 99 Resp: 975537
Ion Ratio Lower Upper
99 100
42 20.6 15.9 23.9
71 35.2 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.33 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

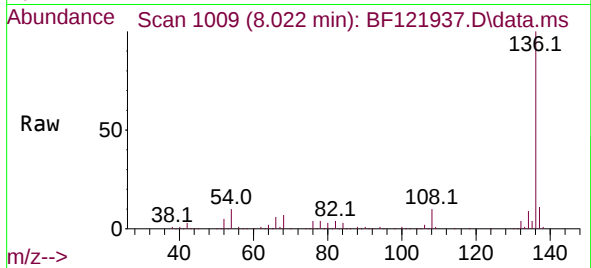
Tgt Ion: 70 Resp: 88772
Ion Ratio Lower Upper
70 100
42 50.5 50.2 75.4
101 0.0 7.5 11.3#
130 2.3 15.5 23.3#



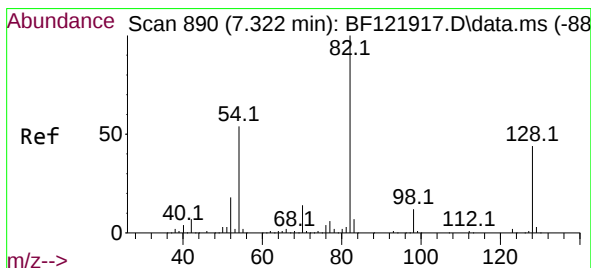
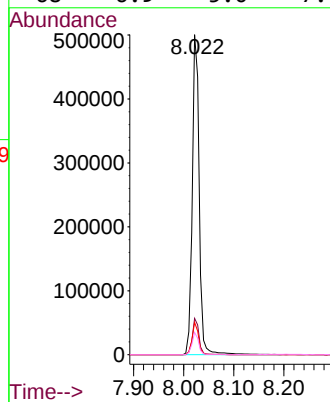
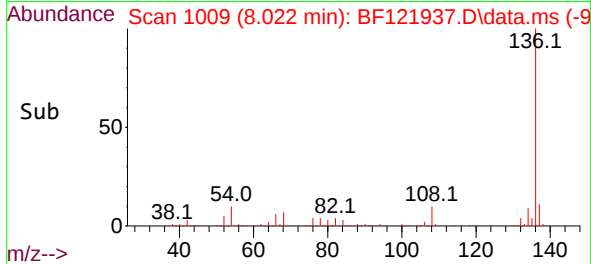


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

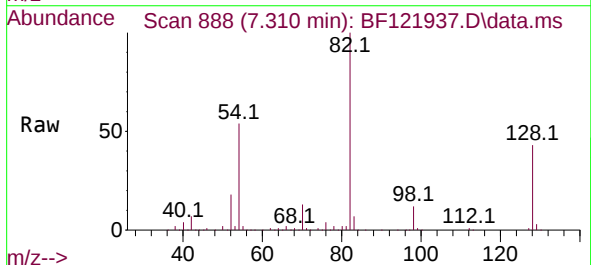
Instrument :
BNA_F
ClientSampled :
HD-3



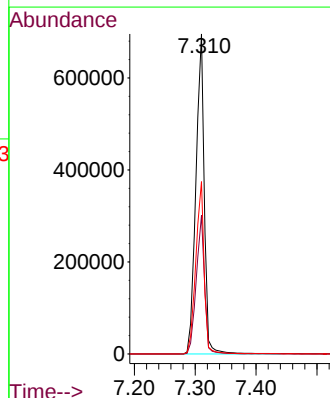
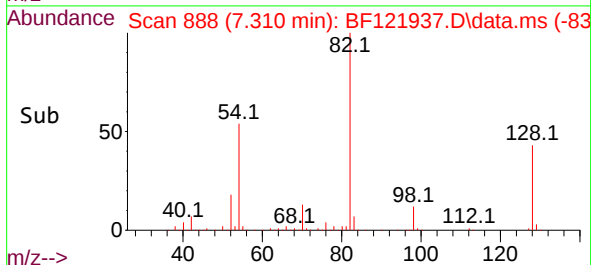
Tgt Ion:136 Resp: 481012
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 10.1 7.1 10.7
68 6.9 5.0 7.4



#23
Nitrobenzene-d5
Concen: 70.99 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35



Tgt Ion: 82 Resp: 665828
Ion Ratio Lower Upper
82 100
128 43.3 35.0 52.4
54 53.9 43.9 65.9

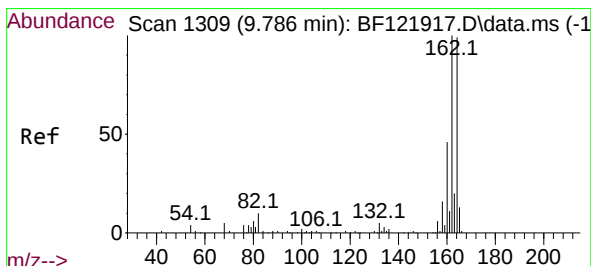
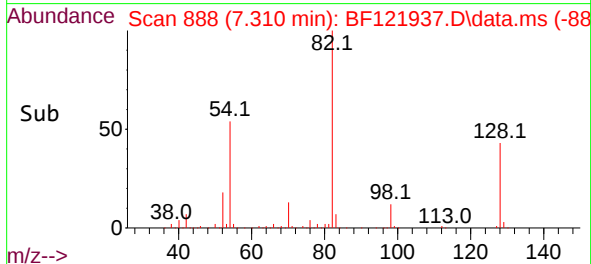
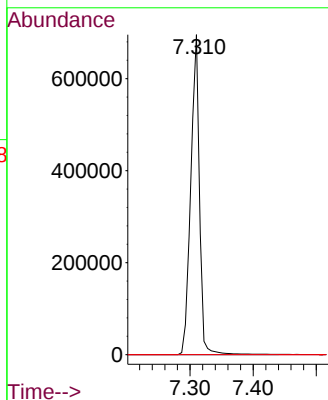
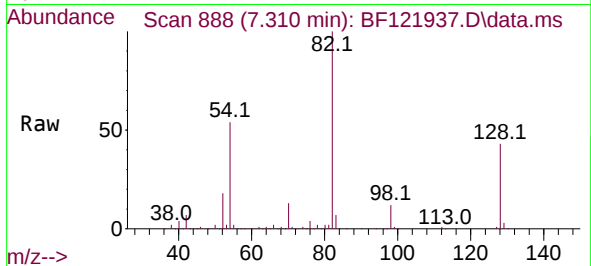




#25
Isophorone
Concen: 37.54 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.270 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

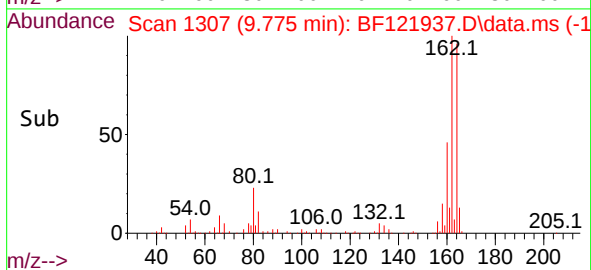
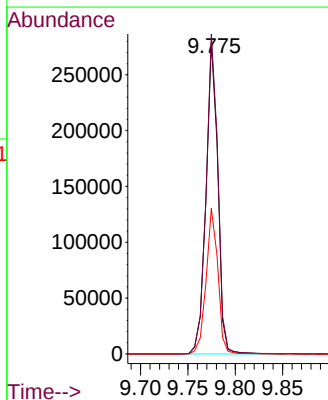
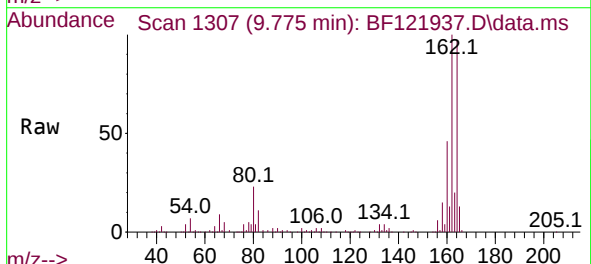
Instrument :
BNA_F
ClientSampleId :
HD-3

Tgt Ion: 82 Resp: 665823
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: 9.775 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:164 Resp: 242173
Ion Ratio Lower Upper
164 100
162 102.8 83.2 124.8
160 46.8 37.5 56.3

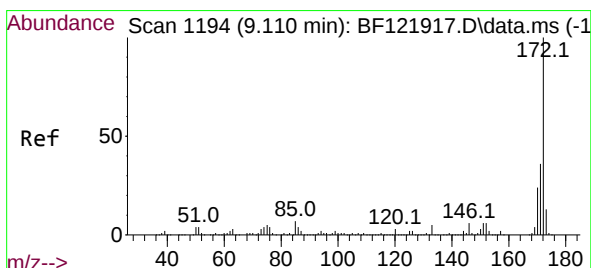
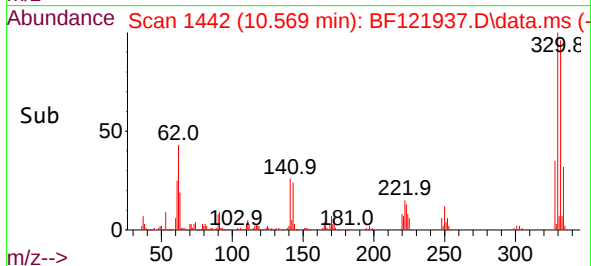
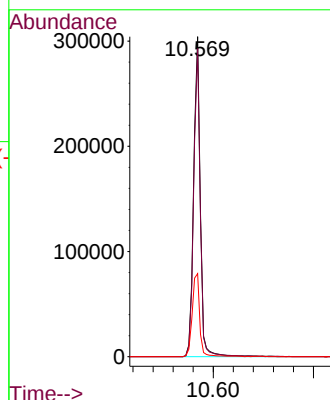
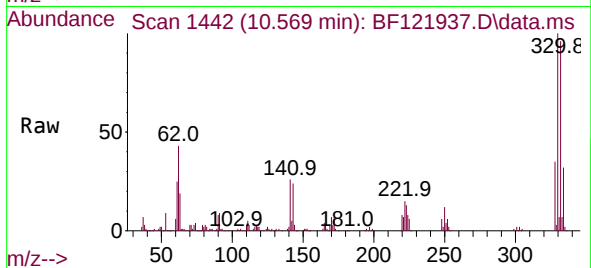




#42
2,4,6-Tribromophenol
Concen: 93.26 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

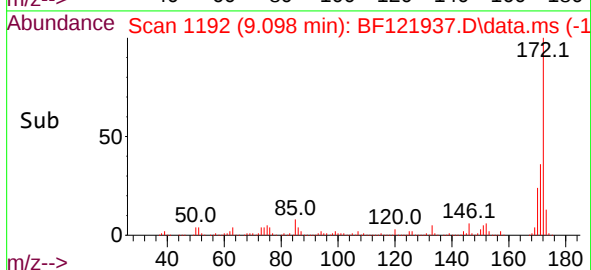
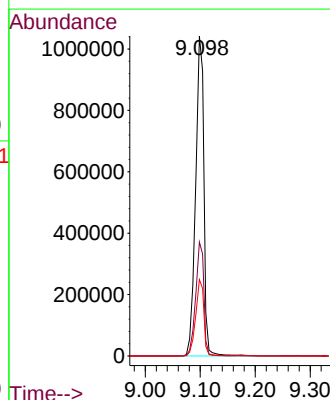
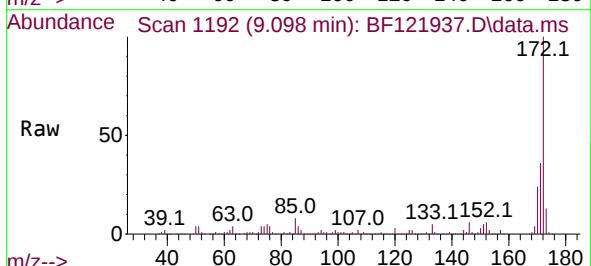
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BNA_F
ClientSampleId :
HD-3

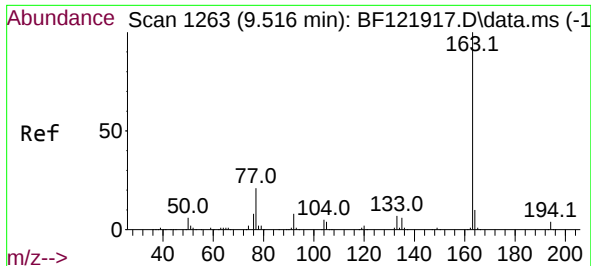
Tgt Ion:330 Resp: 279386
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 29.3 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 65.87 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:172 Resp: 1084160
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.9 19.8 29.6

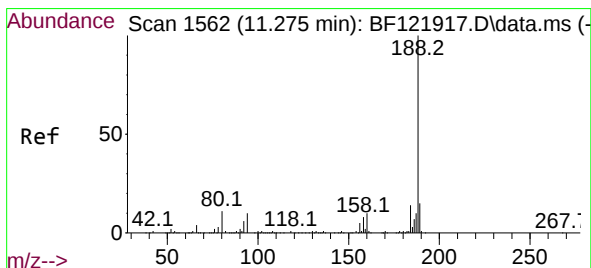
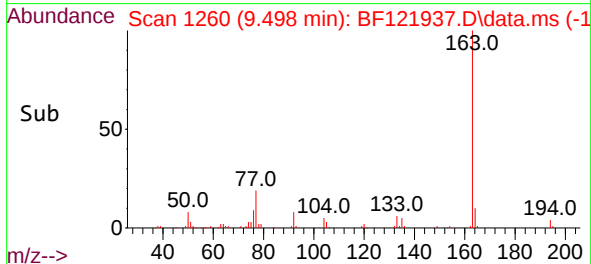
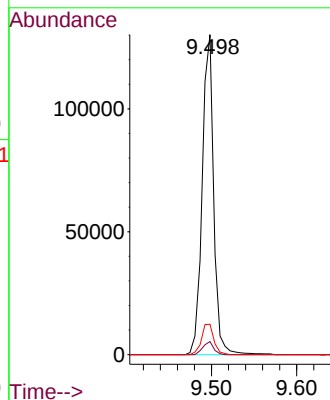
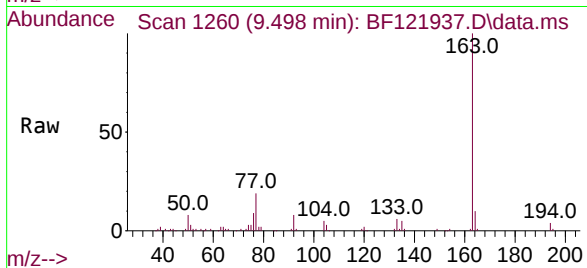




#50
Dimethylphthalate
Concen: 6.89 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

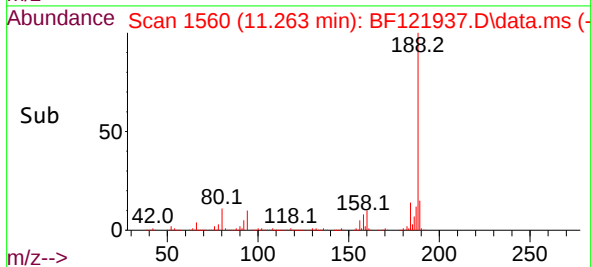
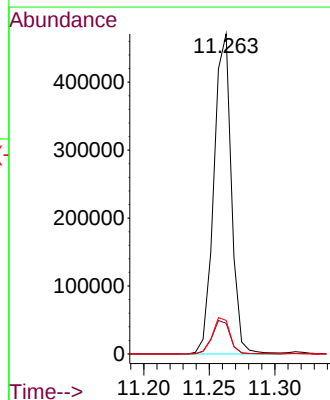
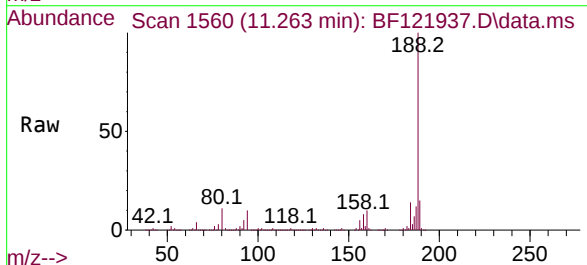
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ClientSampleId :
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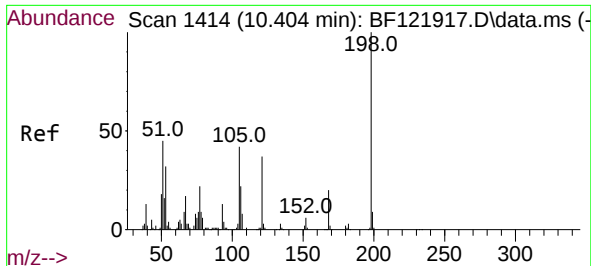
Tgt Ion:163	Resp:	122017
Ion Ratio	Lower	Upper
163	100	
194	4.1	3.3 4.9
164	9.5	8.2 12.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:188	Resp:	436706
Ion Ratio	Lower	Upper
188	100	
94	9.6	8.3 12.5
80	10.5	9.1 13.7

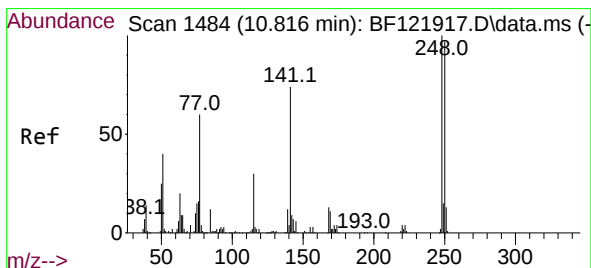
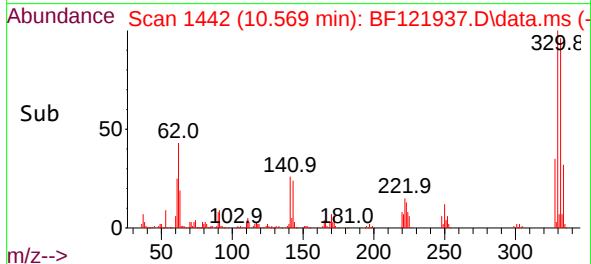
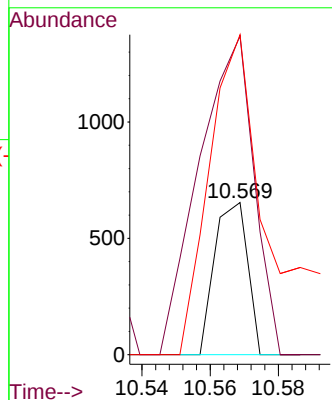
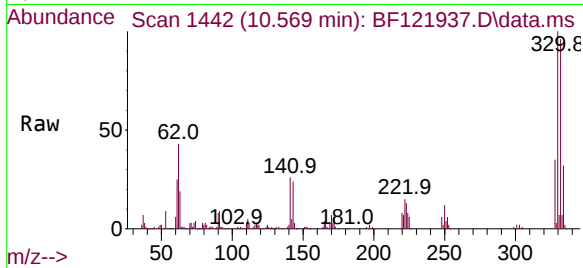




#65
4,6-Dinitro-2-methylphenol
Concen: 4.57 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.165 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

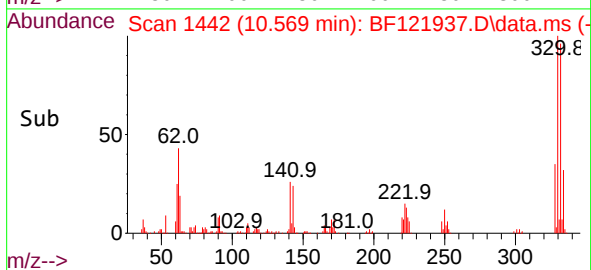
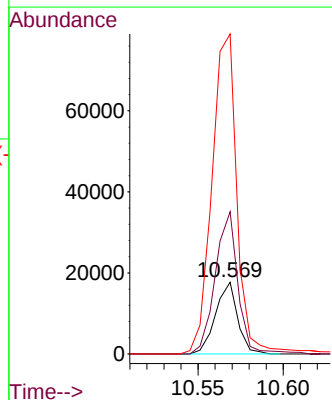
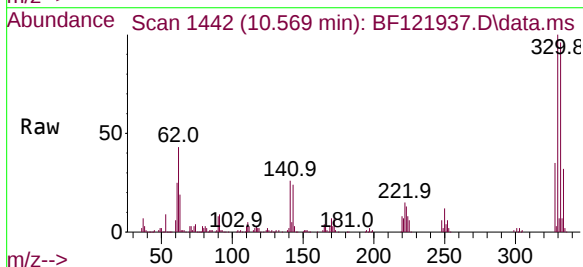
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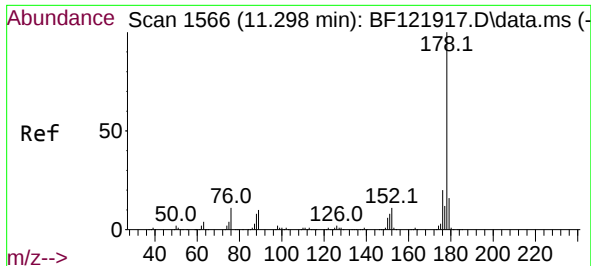
Tgt Ion:198 Resp: 439
Ion Ratio Lower Upper
198 100
51 209.3 29.6 69.6#
105 210.2 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.16 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:248 Resp: 15946
Ion Ratio Lower Upper
248 100
250 198.4 77.0 115.6#
141 446.2 53.7 80.5#

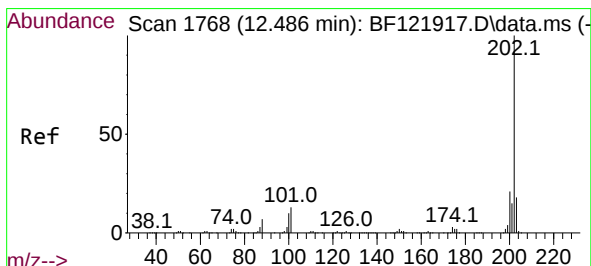
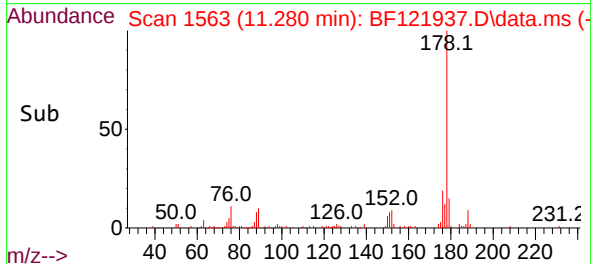
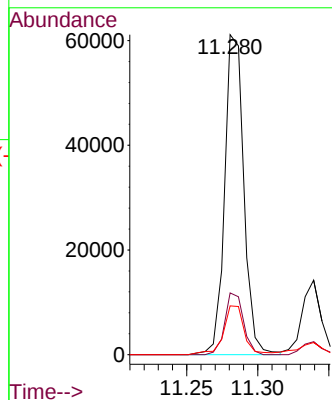
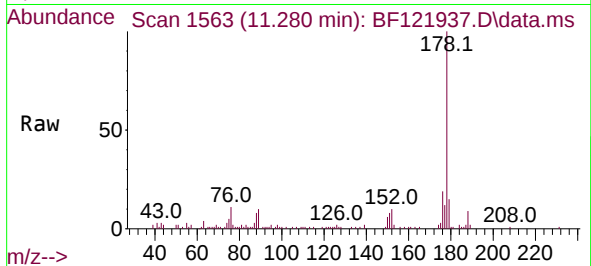




#71
Phenanthrene
Concen: 2.40 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.018 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

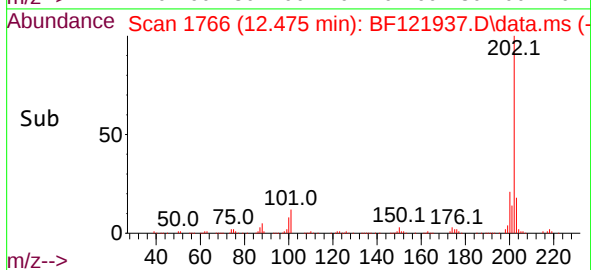
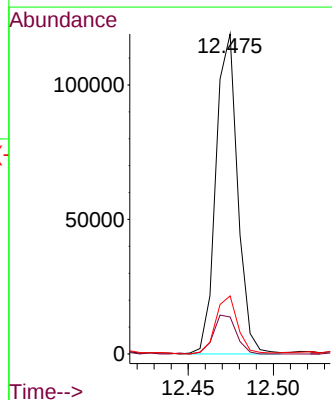
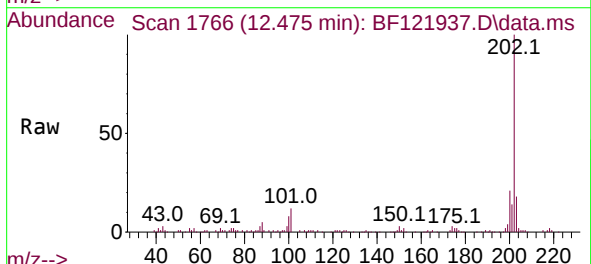
Instrument :
BNA_F
ClientSampled :
HD-3

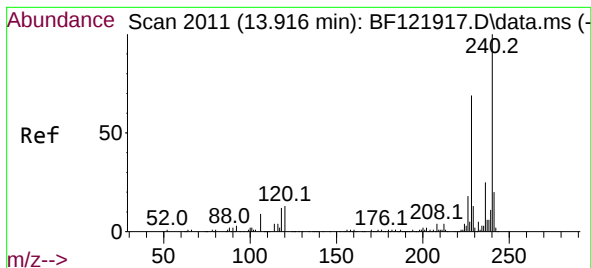
Tgt Ion:178 Resp: 57518
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.3 12.2 18.4



#75
Fluoranthene
Concen: 4.12 ng
RT: 12.475 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:202 Resp: 105885
Ion Ratio Lower Upper
202 100
101 11.6 0.0 33.4
203 18.1 0.0 37.9

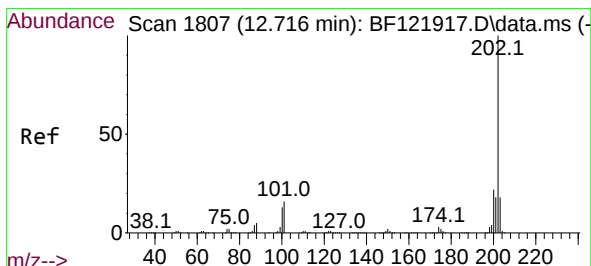
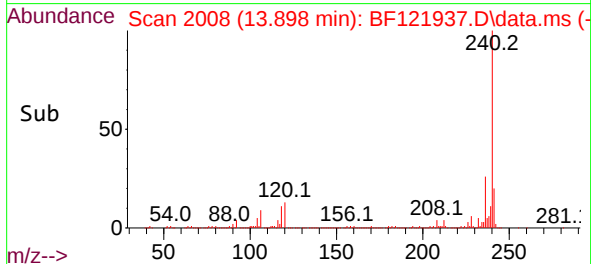
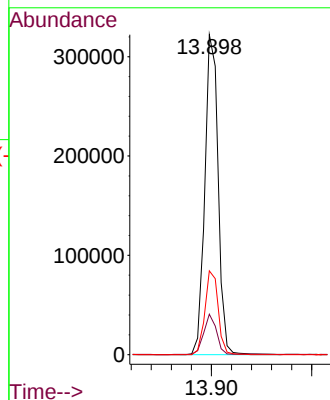
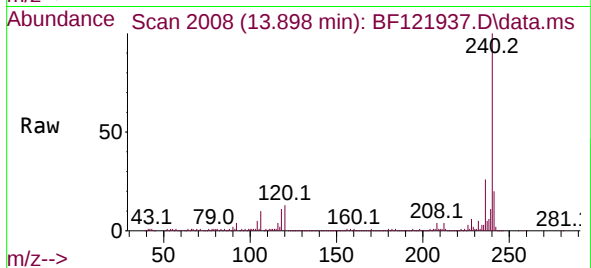




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.018 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

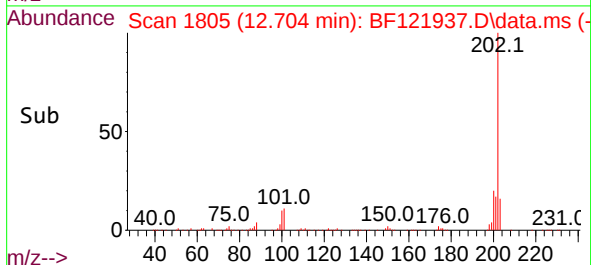
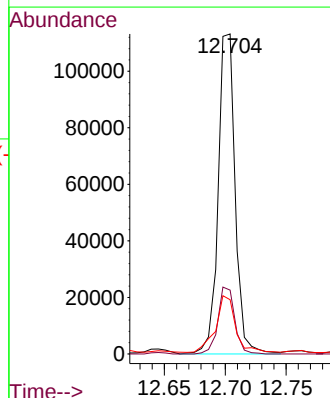
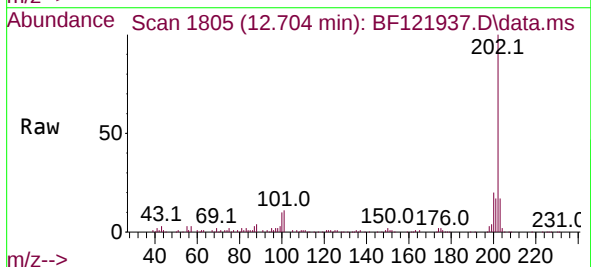
Instrument :
BNA_F
ClientSampled :
HD-3

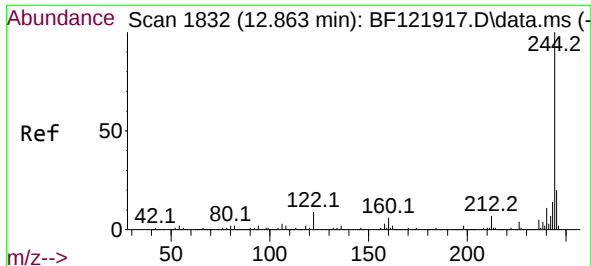
Tgt Ion:240 Resp: 298420
Ion Ratio Lower Upper
240 100
120 12.6 9.2 13.8
236 26.2 20.9 31.3



#78
Pyrene
Concen: 4.85 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:202 Resp: 110399
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 17.0 14.6 21.8

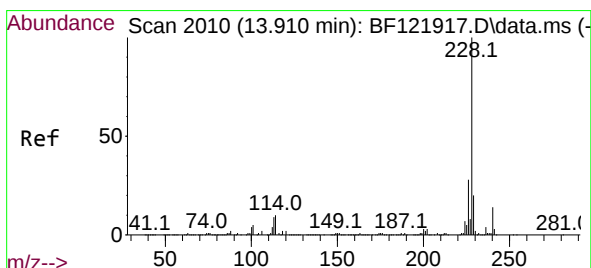
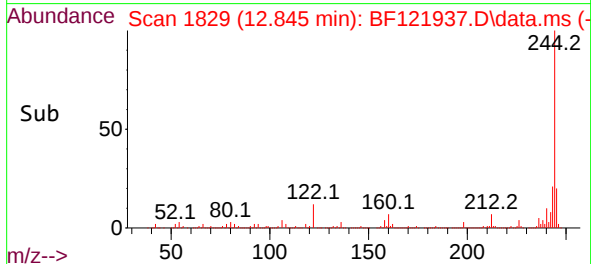
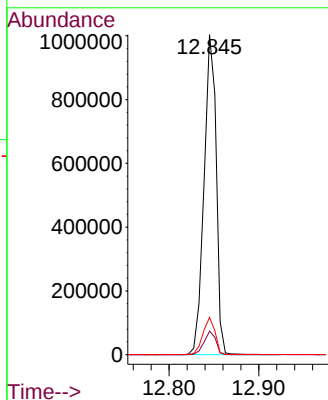
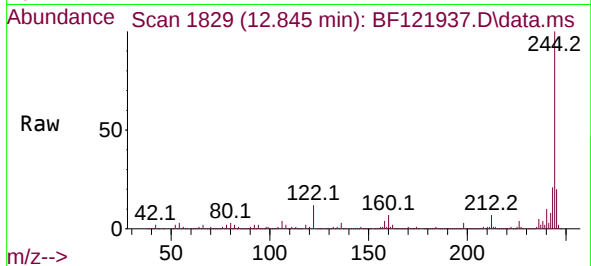




#79
 Terphenyl-d14
 Concen: 60.40 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.018 min
 Lab File: BF121937.D
 Acq: 13 Oct 2020 14:35

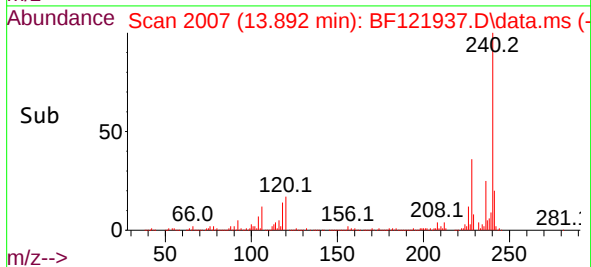
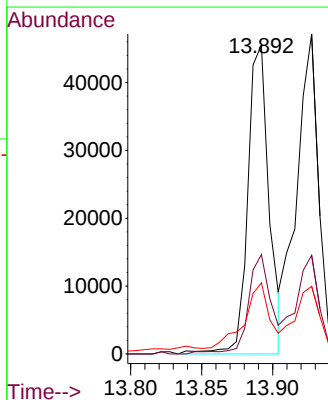
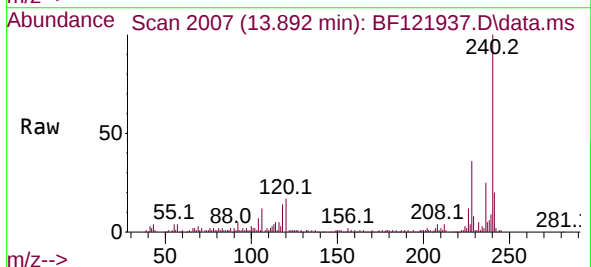
Instrument :
 BNA_F
 ClientSampled :
 HD-3

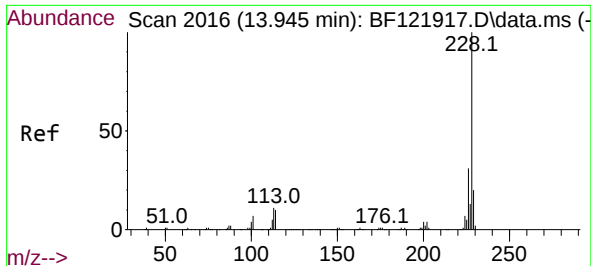
Tgt Ion:244 Resp: 945813
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 11.6 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 2.42 ng
 RT: 13.892 min Scan# 2007
 Delta R.T. -0.018 min
 Lab File: BF121937.D
 Acq: 13 Oct 2020 14:35

Tgt Ion:228 Resp: 47390
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.3 33.5
 229 23.0 16.2 24.4

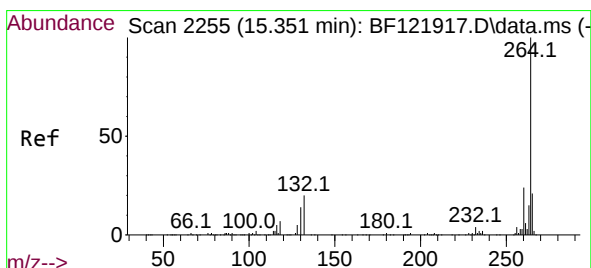
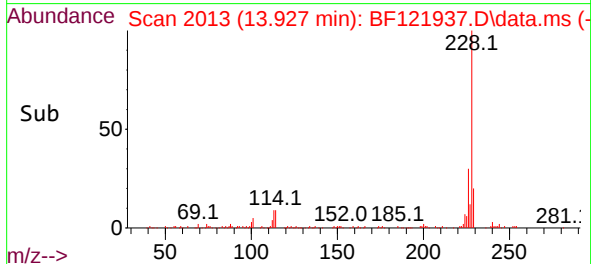
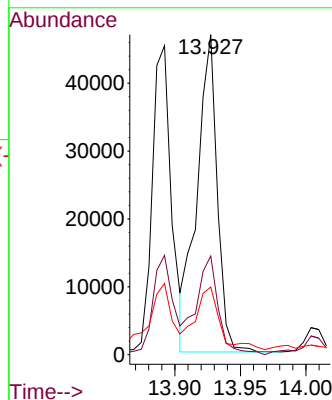
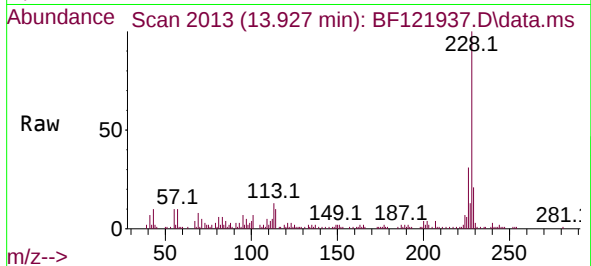




#83
Chrysene
Concen: 2.62 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

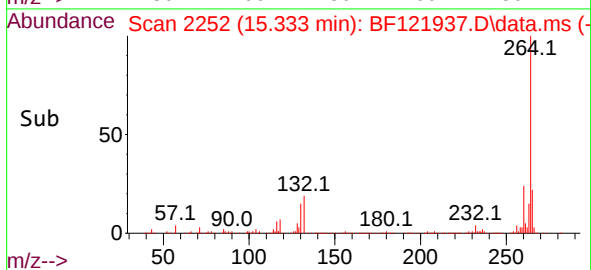
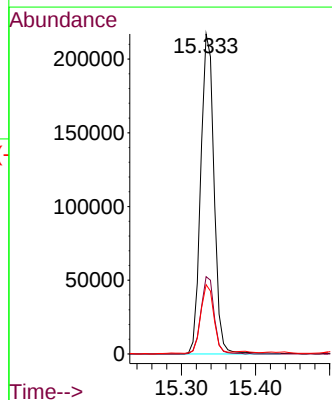
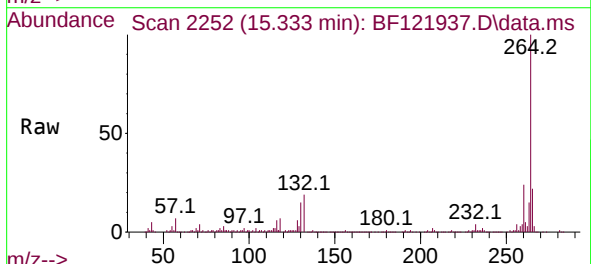
Instrument :
BNA_F
ClientSampled :
HD-3

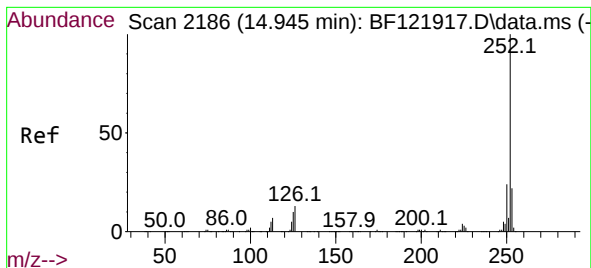
Tgt Ion:228 Resp: 50371
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 21.1 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.333 min Scan# 2252
Delta R.T. -0.018 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:264 Resp: 270620
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 21.7 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 4.15 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.018 min

Lab File: BF121937.D

Acq: 13 Oct 2020 14:35

Tgt Ion:252 Resp: 75927

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

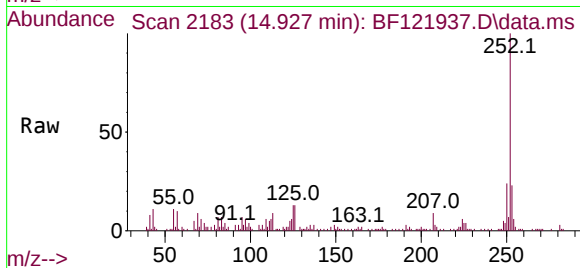
125 13.4 8.0 12.0#

Instrument :

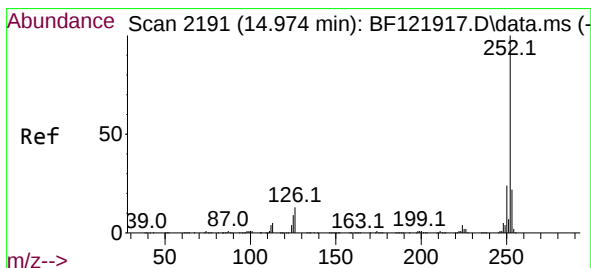
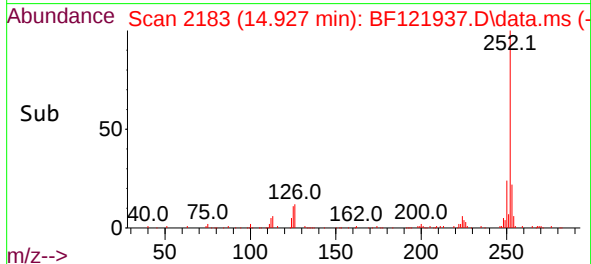
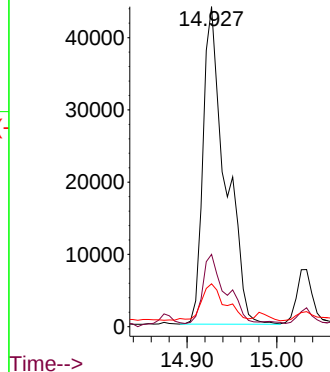
BNA_F

ClientSampled :

HD-3



Abundance



#89

Benzo(k)fluoranthene

Concen: 4.37 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.047 min

Lab File: BF121937.D

Acq: 13 Oct 2020 14:35

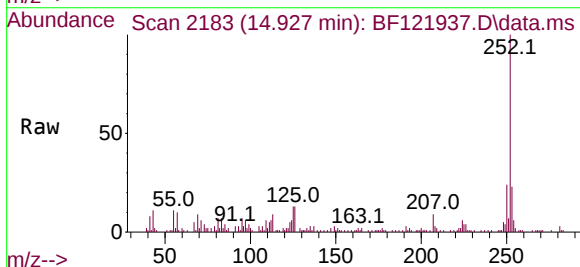
Tgt Ion:252 Resp: 75927

Ion Ratio Lower Upper

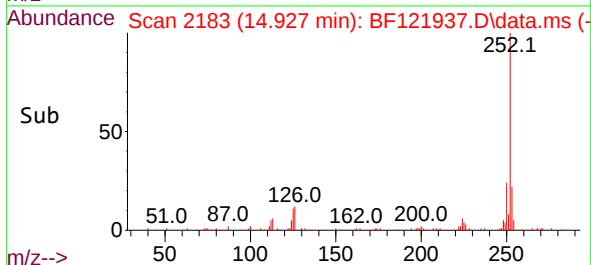
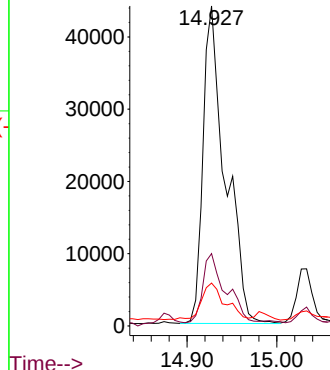
252 100

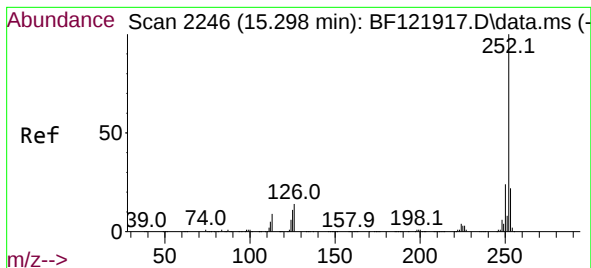
253 22.6 17.8 26.6

125 13.4 7.7 11.5#



Abundance

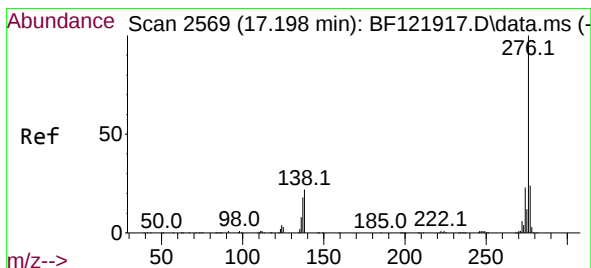
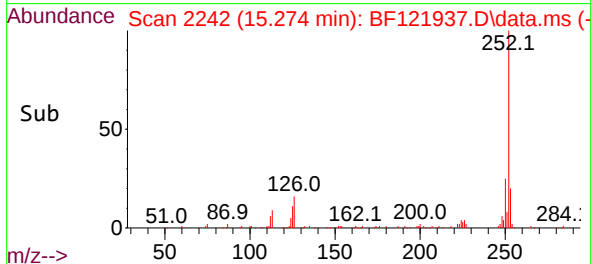
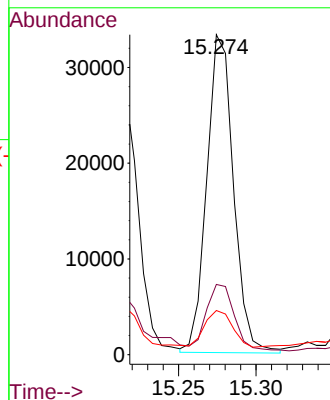
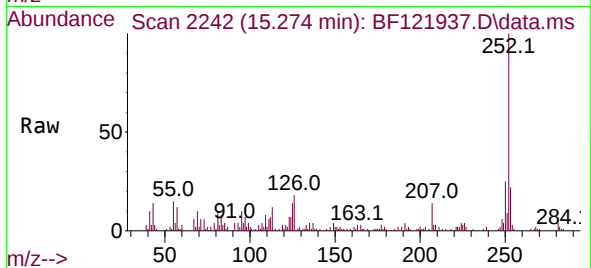




#90
Benzo(a)pyrene
Concen: 2.52 ng
RT: 15.274 min Scan# 2242
Delta R.T. -0.023 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Instrument :
BNA_F
ClientSampleId :
HD-3

Tgt Ion:252 Resp: 39873
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 13.8 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 2.35 ng
RT: 17.168 min Scan# 2564
Delta R.T. -0.029 min
Lab File: BF121937.D
Acq: 13 Oct 2020 14:35

Tgt Ion:276 Resp: 34031
Ion Ratio Lower Upper
276 100
277 26.0 19.4 29.2
138 23.8 17.8 26.6

