

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110320\
 Data File : BF122240.D
 Acq On : 3 Nov 2020 15:00
 Operator : JU/CG
 Sample : L4609-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12016

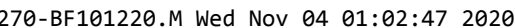
Quant Time: Nov 04 01:02:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

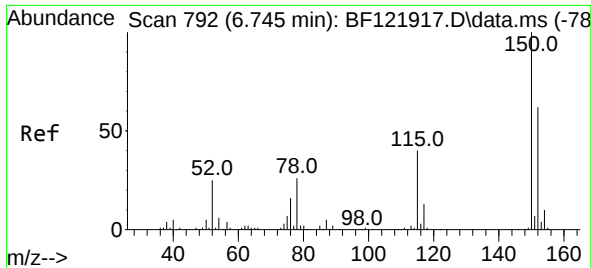
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	77393	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	300375	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	150717	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	268891	20.00	ng	0.00
76) Chrysene-d12	13.880	240	179746	20.00	ng	0.00
86) Perylene-d12	15.321	264	186761	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	570870	108.87	ng	0.00
7) Phenol-d6	6.369	99	718282	106.41	ng	0.00
23) Nitrobenzene-d5	7.281	82	460430	78.61	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	193811	103.95	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	755529	73.76	ng	-0.01
79) Terphenyl-d14	12.816	244	656026	69.56	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.340	77	1821	Below Cal	#	3
10) Phenol	6.387	94	28069	4.03	ng	# 73
19) n-Nitroso-di-n-propyla...	7.281	70	61376	15.97	ng	# 78
25) Isophorone	7.281	82	460430	41.57	ng	# 67
50) Dimethylphthalate	9.469	163	134902	12.24	ng	99
57) 2,4-Dinitrotoluene	9.739	165	19675	6.61	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.539	198	239	4.55	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	11138	3.59	ng	# 1
71) Phenanthrene	11.257	178	110435	7.49	ng	99
75) Fluoranthene	12.451	202	178763	11.31	ng	98
78) Pyrene	12.680	202	158247	11.55	ng	99
81) Benzo(a)anthracene	13.874	228	64330	5.46	ng	98
83) Chrysene	13.910	228	57821	5.00	ng	98
84) Bis(2-ethylhexyl)phtha...	13.839	149	181429	24.60	ng	99
87) Indeno(1,2,3-cd)pyrene	16.768	276	36857	3.04	ng	96
88) Benzo(b)fluoranthene	14.916	252	93599	7.41	ng	# 96
89) Benzo(k)fluoranthene	14.916	252	93599	7.81	ng	# 97
90) Benzo(a)pyrene	15.274	252	52401	4.81	ng	99
92) Benzo(g,h,i)perylene	17.204	276	36290	3.63	ng	97

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

Quant Time: Nov 04 01:02:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
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QLast Update : Fri Oct 30 10:16:54 2020
Response via : Initial Calibration

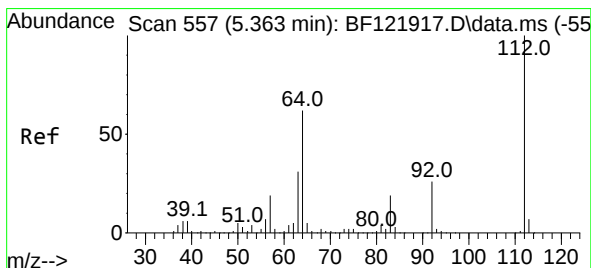
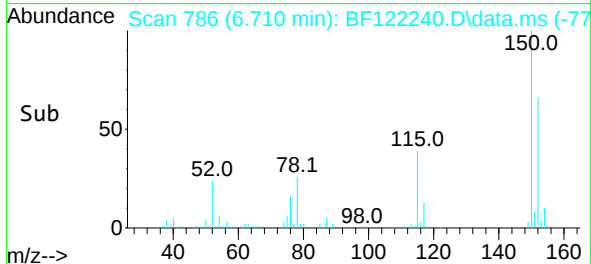
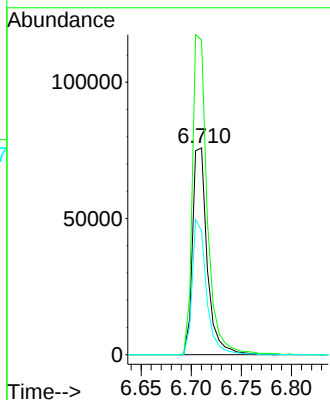
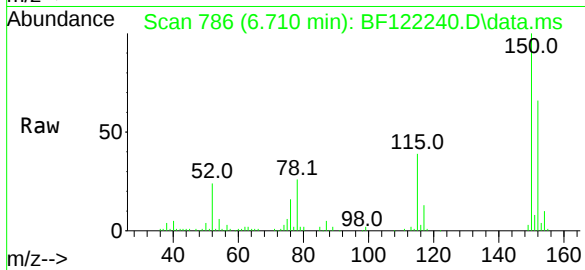




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122240.D
 Acq: 3 Nov 2020 15:00

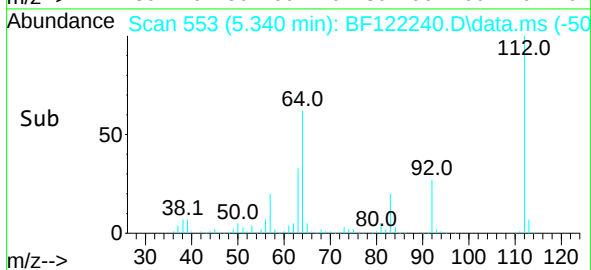
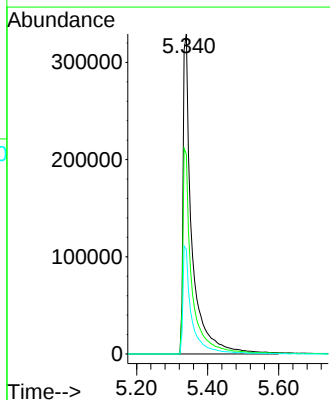
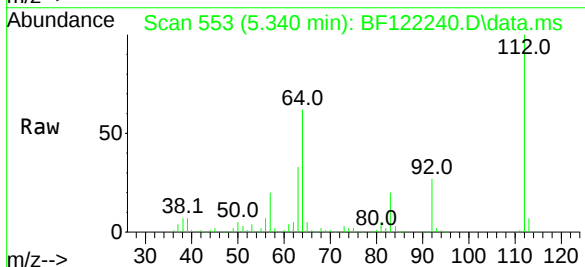
Instrument :
 BNA_F
 ClientSampleId :
 12016

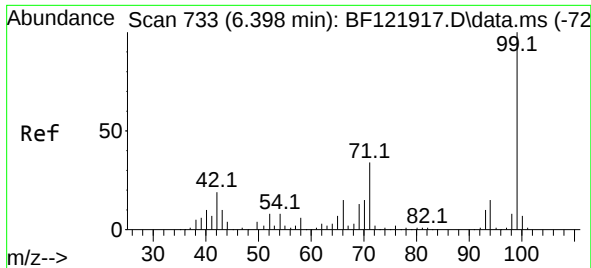
Tgt Ion:152 Resp: 77393
 Ion Ratio Lower Upper
 152 100
 150 152.2 125.3 187.9
 115 60.0 51.9 77.9



#5
 2-Fluorophenol
 Concen: 108.87 ng
 RT: 5.340 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF122240.D
 Acq: 3 Nov 2020 15:00

Tgt Ion:112 Resp: 570870
 Ion Ratio Lower Upper
 112 100
 64 62.4 50.4 75.6
 63 32.6 25.8 38.6

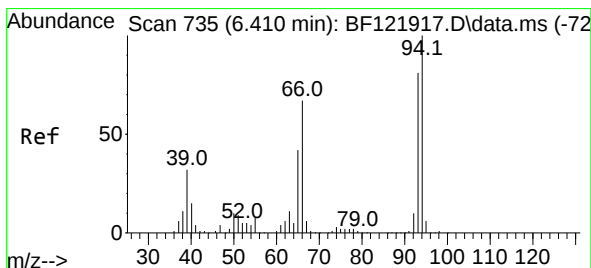
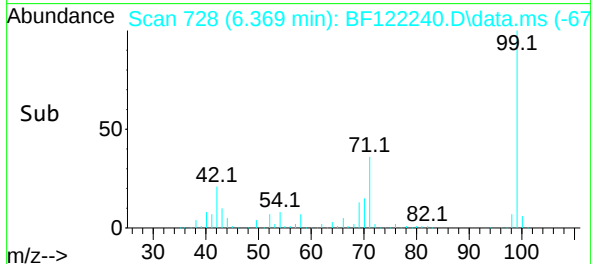
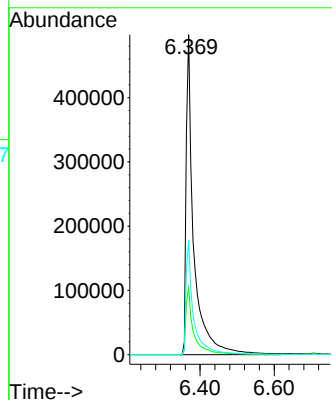
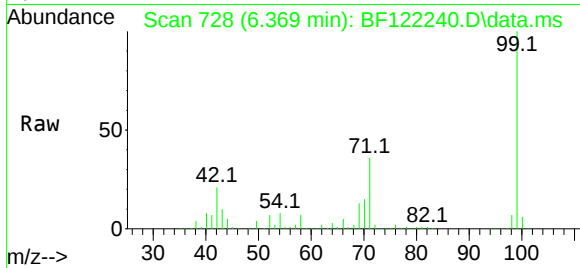




#7
Phenol-d6
Concen: 106.41 ng
RT: 6.369 min Scan# 728
Delta R.T. 0.000 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

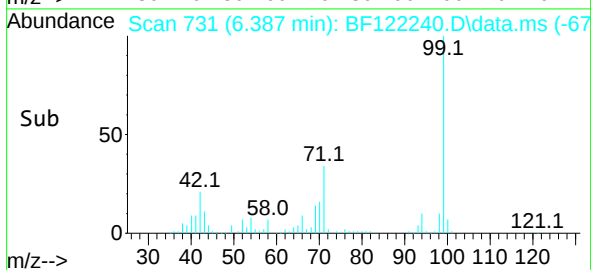
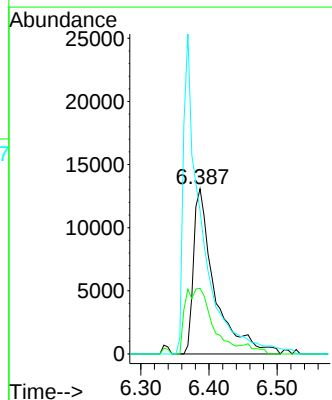
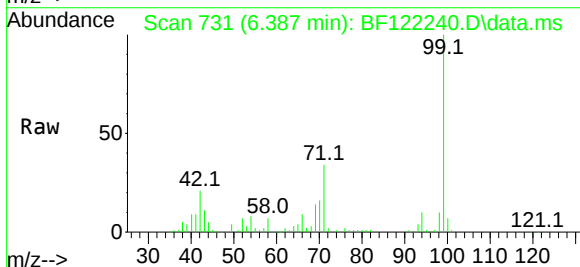
Instrument :
BNA_F
ClientSampleId :
12016

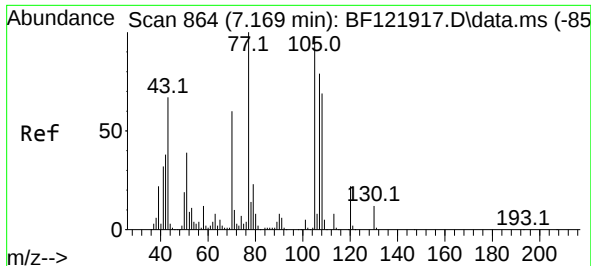
Tgt Ion: 99 Resp: 718282
Ion Ratio Lower Upper
99 100
42 21.0 15.9 23.9
71 35.8 27.1 40.7



#10
Phenol
Concen: 4.03 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Tgt Ion: 94 Resp: 28069
Ion Ratio Lower Upper
94 100
65 39.8 17.1 57.1
66 86.9 36.0 76.0#

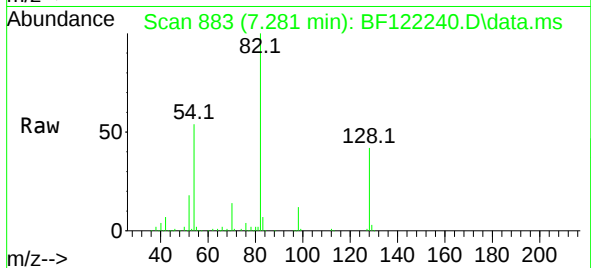




#19

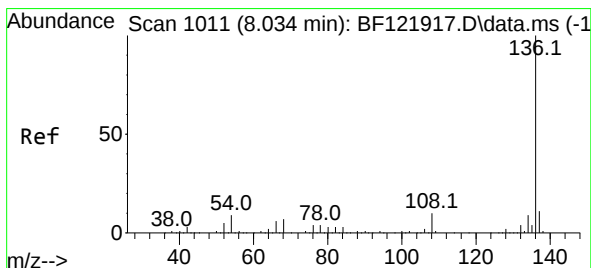
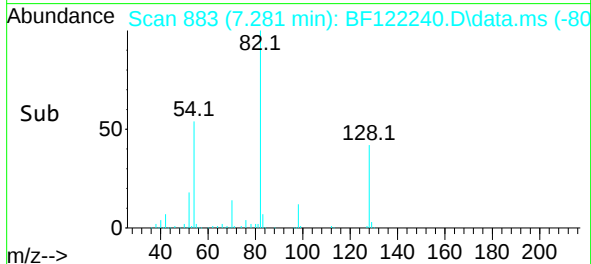
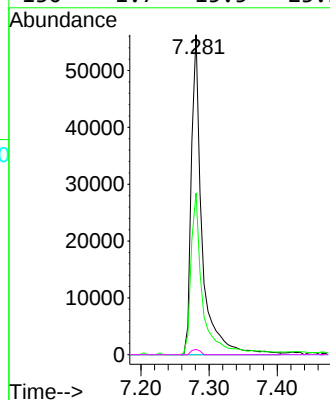
n-Nitroso-di-n-propylamine
Concen: 15.97 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Instrument :
BNA_F
ClientSampleId :
12016



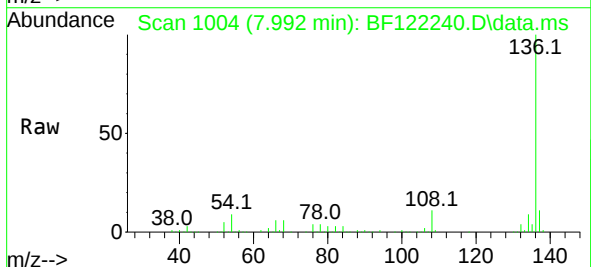
Tgt Ion: 70 Resp: 61376

Ion	Ratio	Lower	Upper
70	100		
42	50.5	50.2	75.4
101	0.0	7.5	11.3#
130	1.7	15.5	23.3#



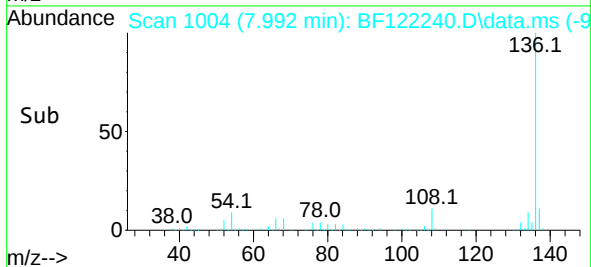
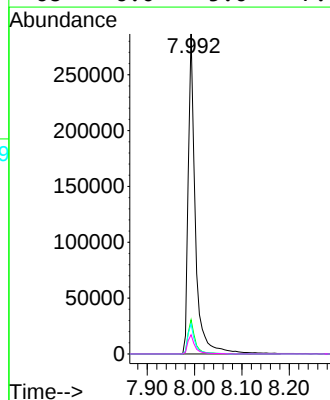
#21

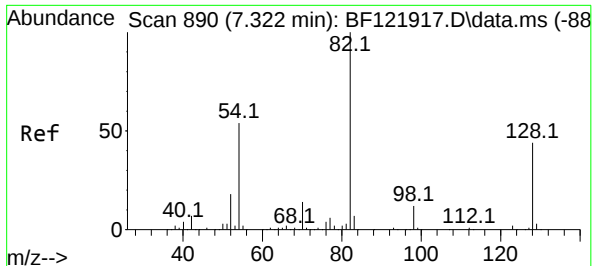
Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00



Tgt Ion: 136 Resp: 300375

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.4	7.1	10.7
68	6.0	5.0	7.4





#23

Nitrobenzene-d5

Concen: 78.61 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF122240.D

Acq: 3 Nov 2020 15:00

Tgt Ion: 82 Resp: 460430

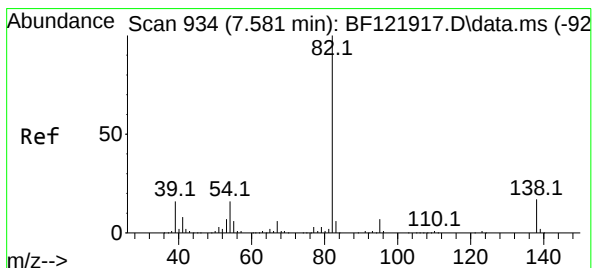
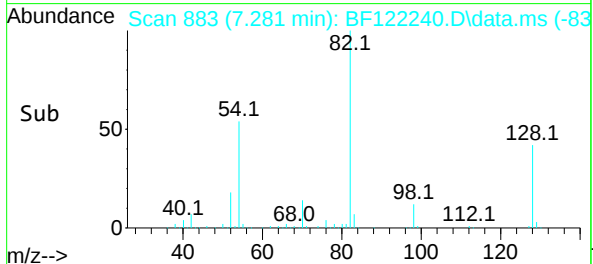
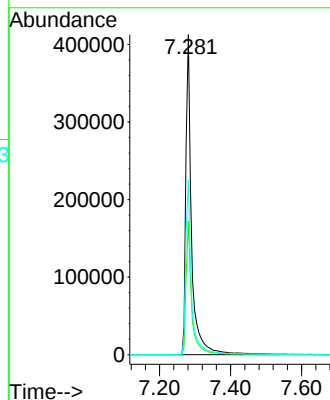
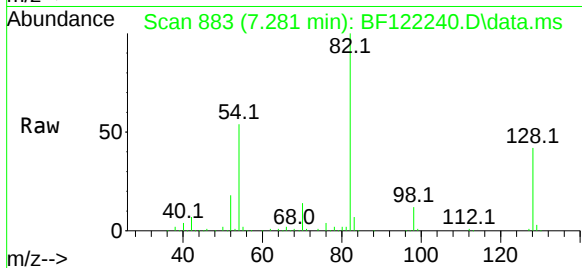
Ion	Ratio	Lower	Upper
82	100		
128	41.6	35.0	52.4
54	54.5	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

12016



#25

Isophorone

Concen: 41.57 ng

RT: 7.281 min Scan# 883

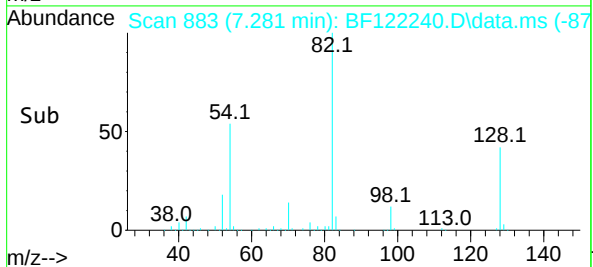
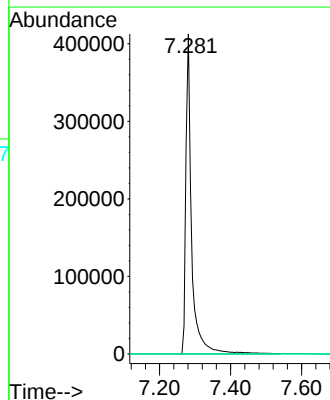
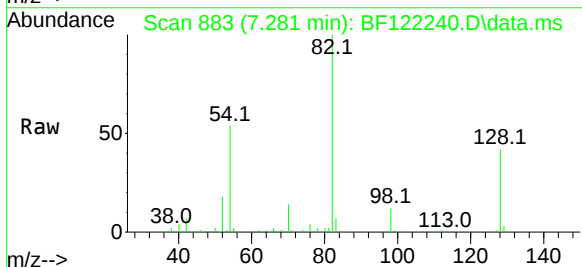
Delta R.T. -0.265 min

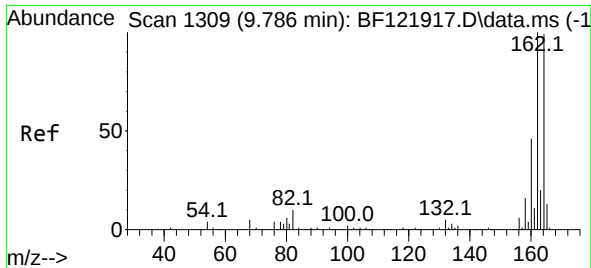
Lab File: BF122240.D

Acq: 3 Nov 2020 15:00

Tgt Ion: 82 Resp: 460430

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#

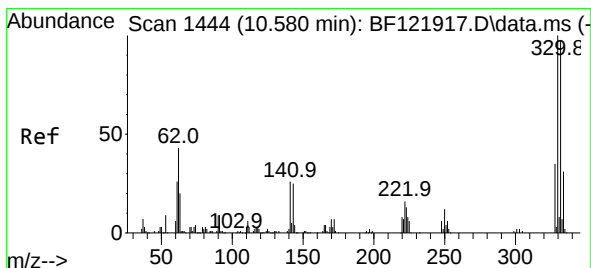
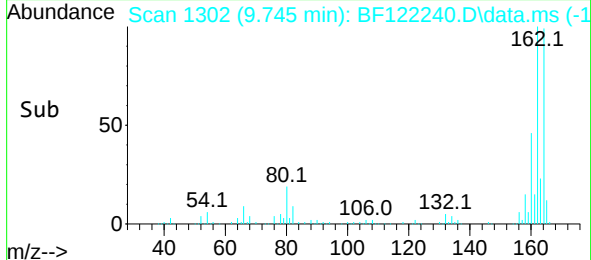
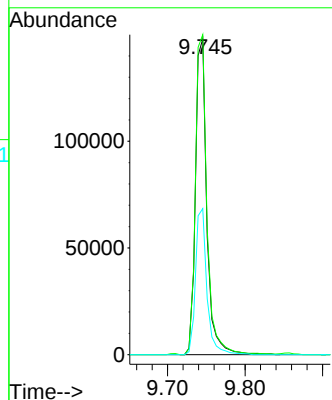
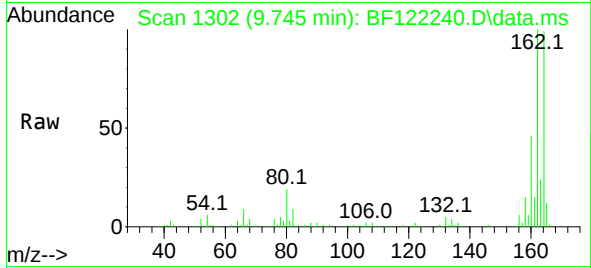




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

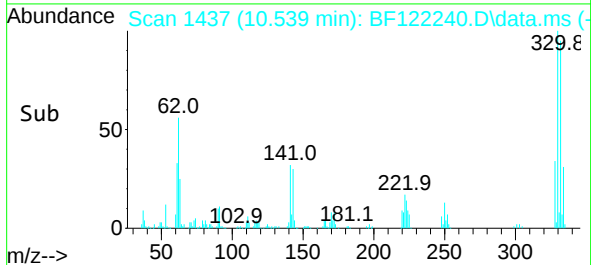
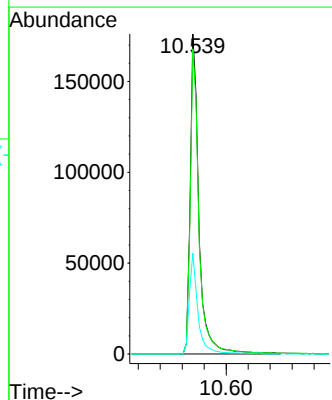
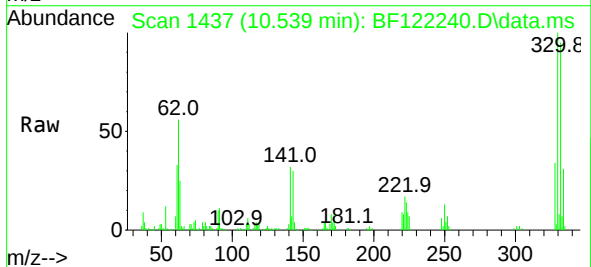
Instrument :
BNA_F
ClientSampleId :
12016

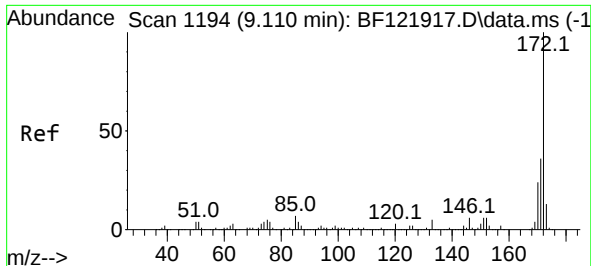
Tgt Ion:164 Resp: 150717
Ion Ratio Lower Upper
164 100
162 101.3 83.2 124.8
160 46.3 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 103.95 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Tgt Ion:330 Resp: 193811
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 31.2 22.3 33.5

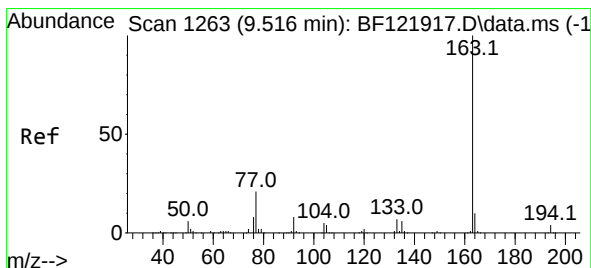
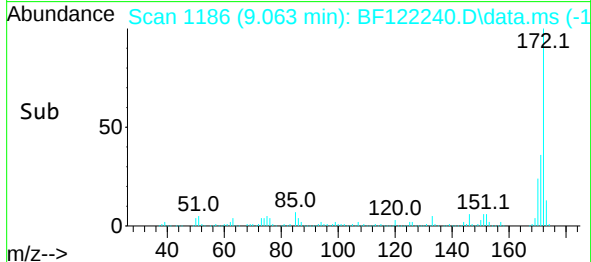
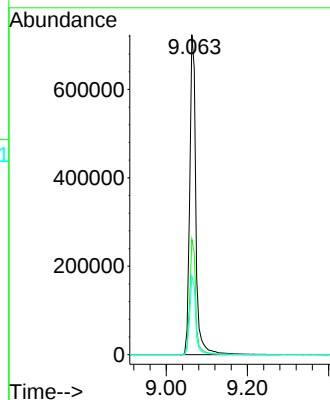
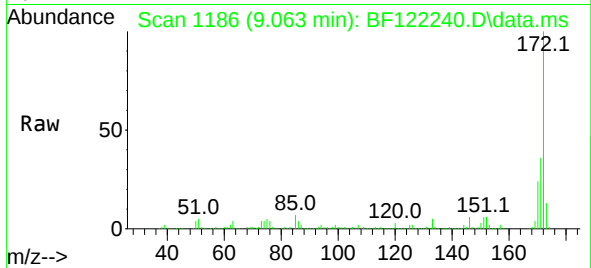




#45
2-Fluorobiphenyl
Concen: 73.76 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

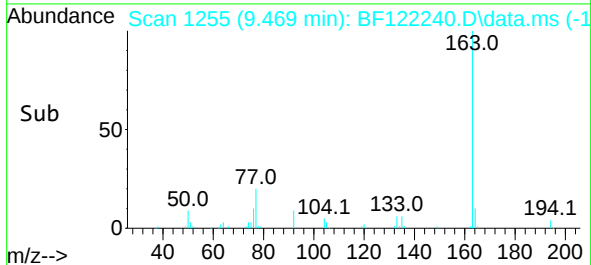
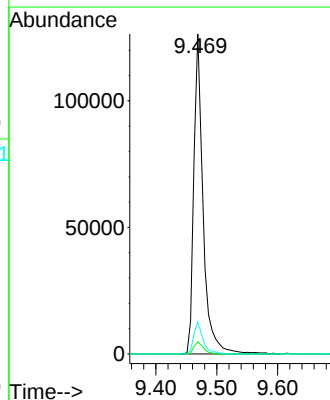
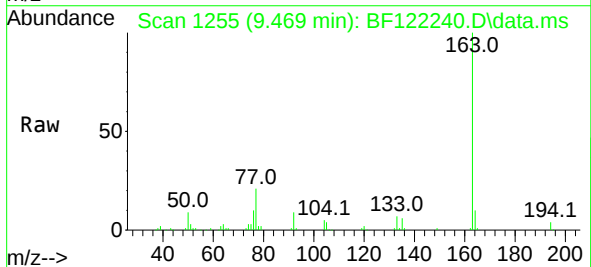
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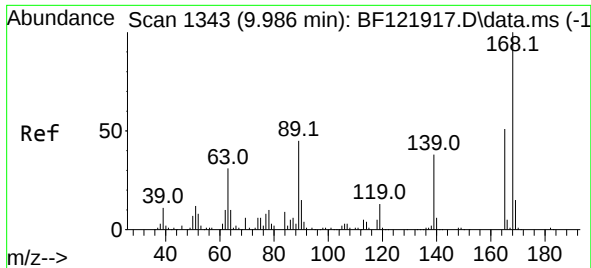
Tgt Ion:172 Resp: 755529
Ion Ratio Lower Upper
172 100
171 36.1 29.1 43.7
170 24.4 19.8 29.6



#50
Dimethylphthalate
Concen: 12.24 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

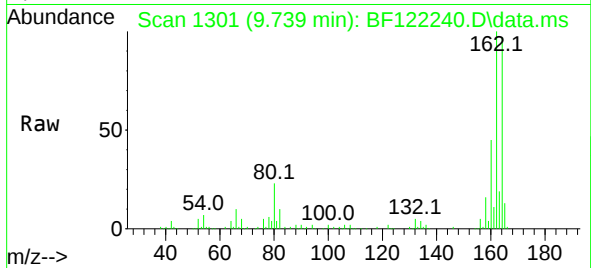
Tgt Ion:163 Resp: 134902
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.0 8.2 12.4



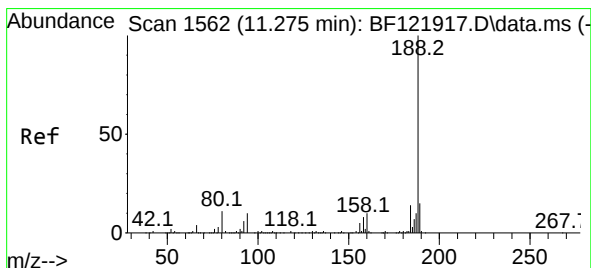
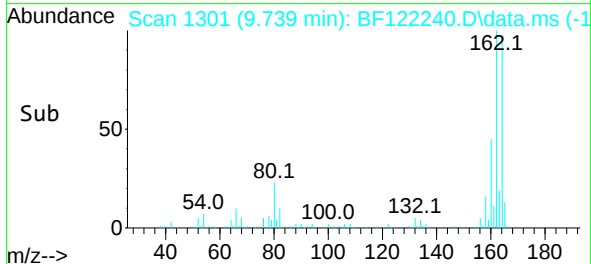
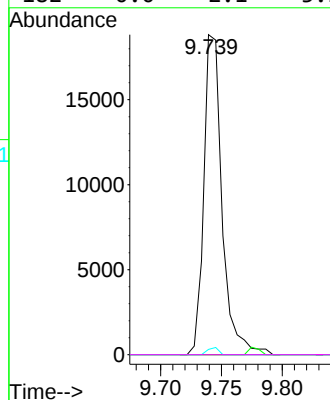


#57
2,4-Dinitrotoluene
Concen: 6.61 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.223 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Instrument :
BNA_F
ClientSampleId :
12016

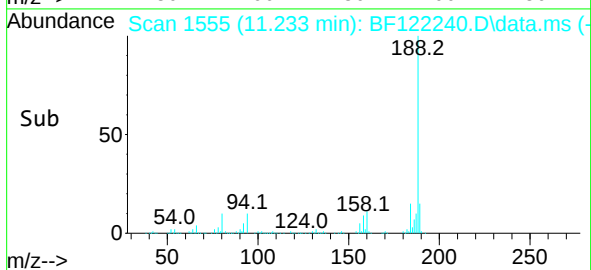
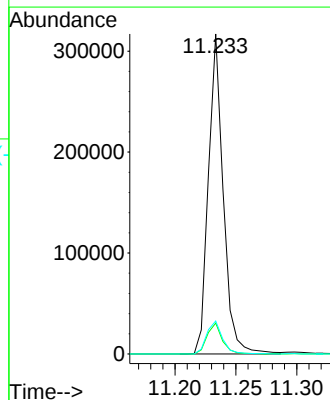
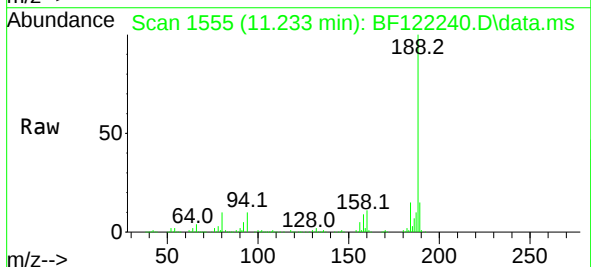


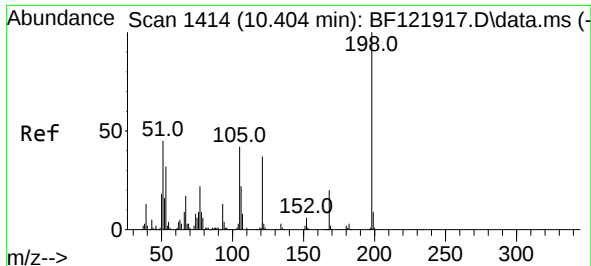
Tgt Ion:165 Resp: 19675
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 1.6 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Tgt Ion:188 Resp: 268891
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.3 9.1 13.7

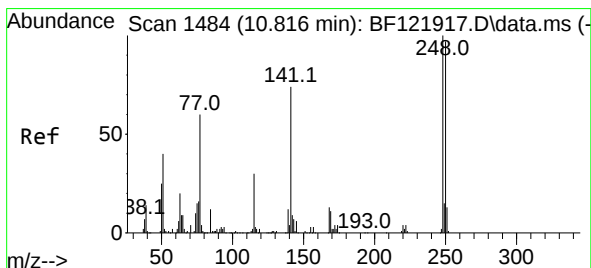
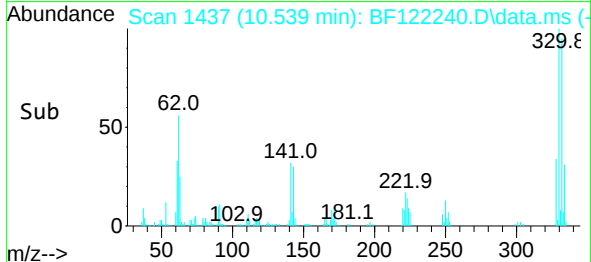
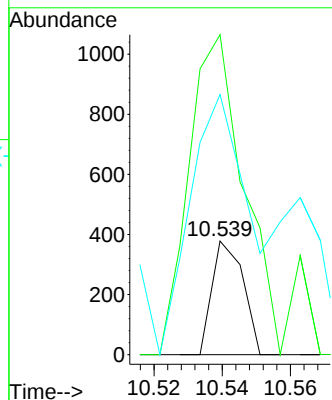
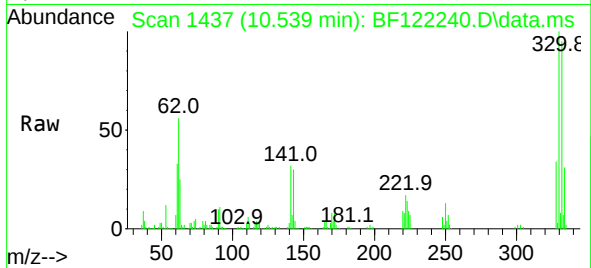




#65
4,6-Dinitro-2-methylphenol
Concen: 4.55 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

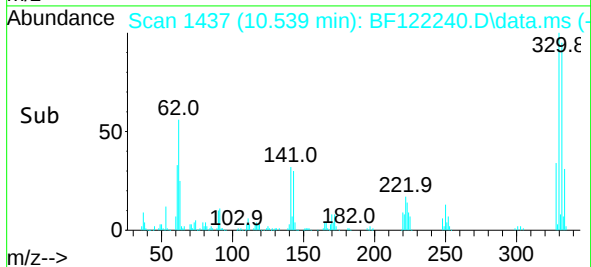
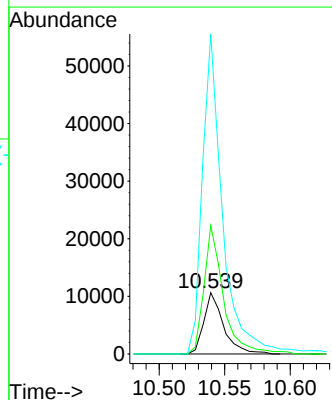
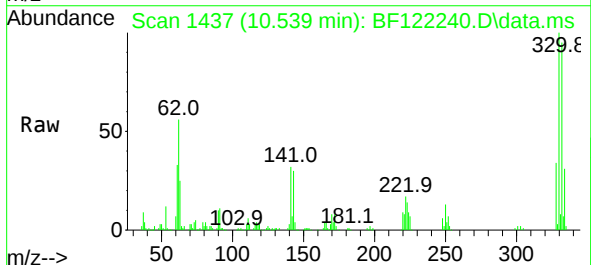
Instrument :
BNA_F
ClientSampled :
12016

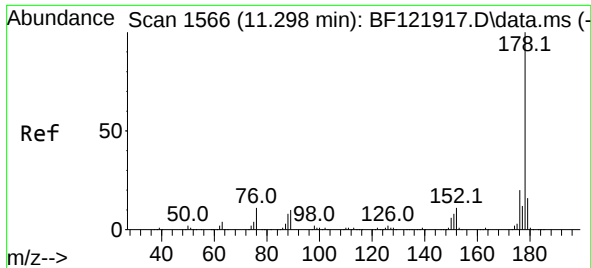
Tgt Ion:198 Resp: 239
Ion Ratio Lower Upper
198 100
51 281.7 29.6 69.6#
105 229.1 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.59 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Tgt Ion:248 Resp: 11138
Ion Ratio Lower Upper
248 100
250 209.6 77.0 115.6#
141 522.3 53.7 80.5#

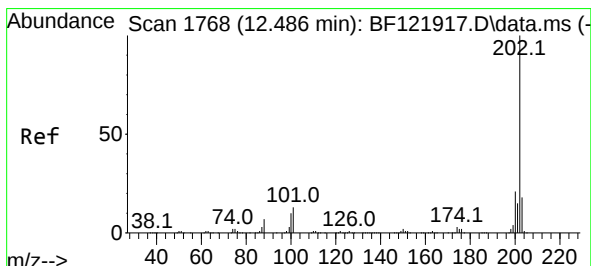
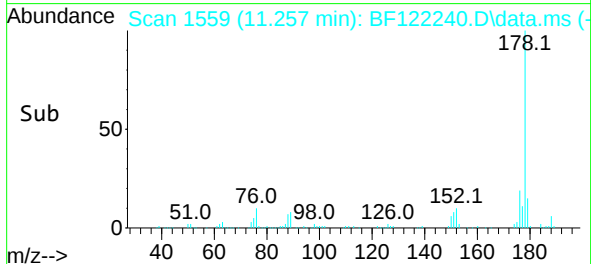
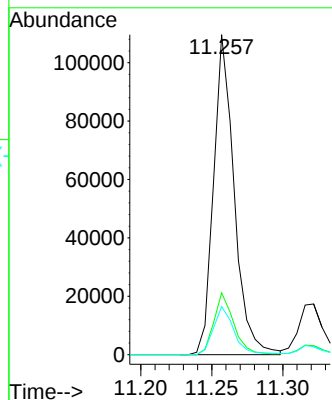
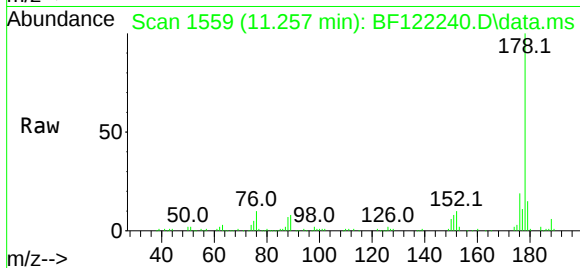




#71
Phenanthrene
Concen: 7.49 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

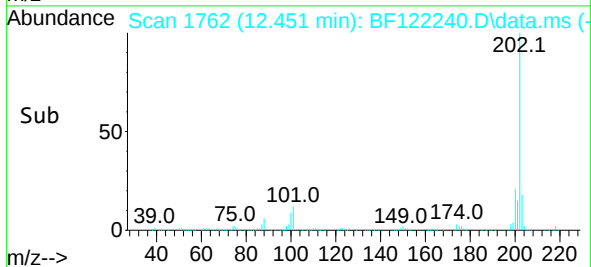
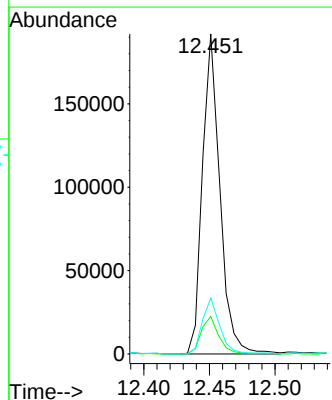
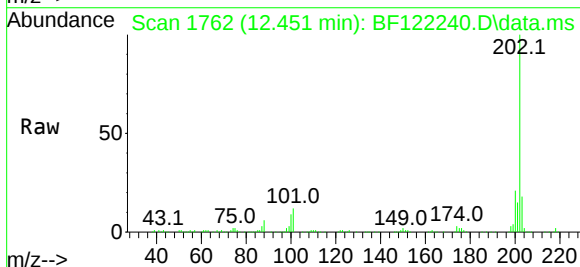
Instrument :
BNA_F
ClientSampleId :
12016

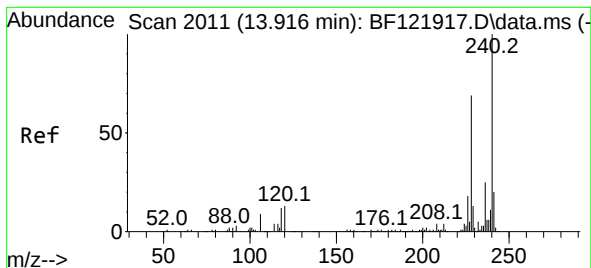
Tgt Ion:178 Resp: 110435
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.1 12.2 18.4



#75
Fluoranthene
Concen: 11.31 ng
RT: 12.451 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Tgt Ion:202 Resp: 178763
Ion Ratio Lower Upper
202 100
101 11.8 0.0 33.4
203 17.5 0.0 37.9

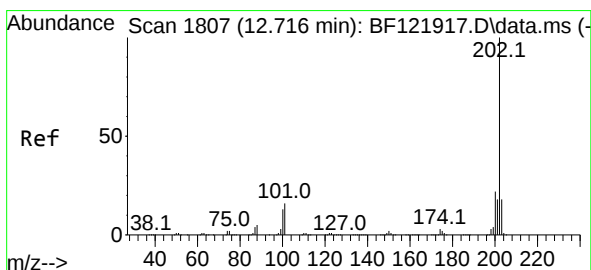
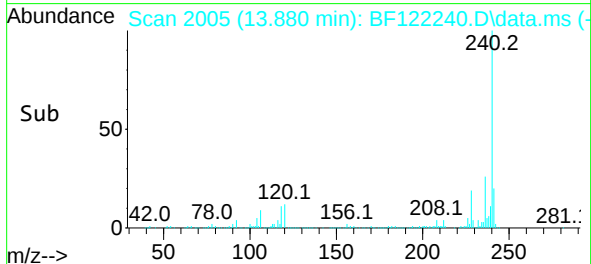
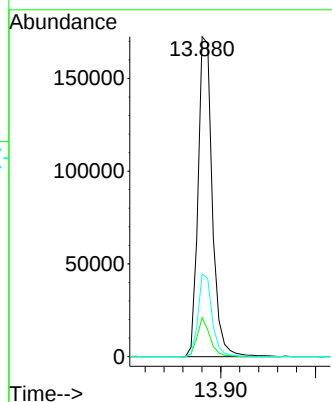
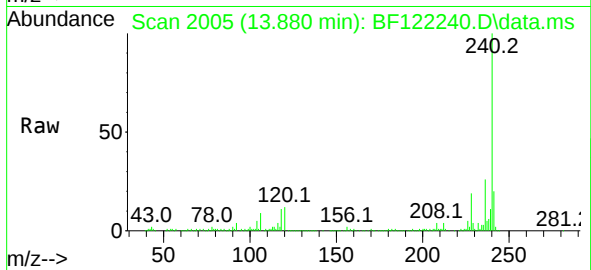




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

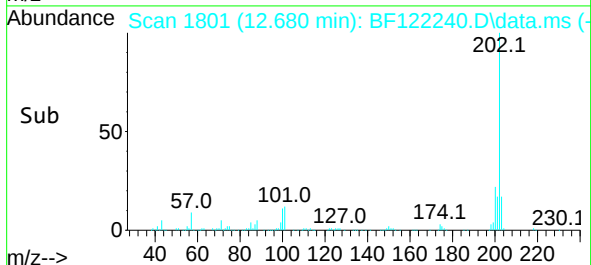
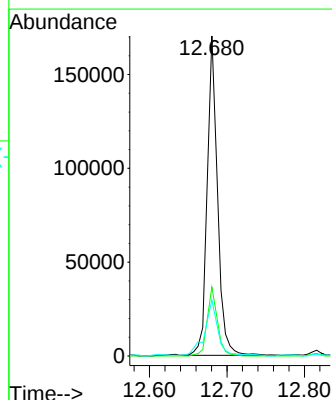
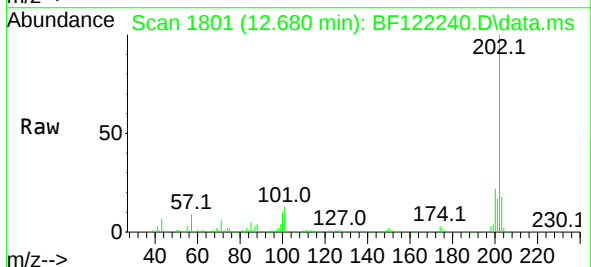
Instrument :
BNA_F
ClientSampleId :
12016

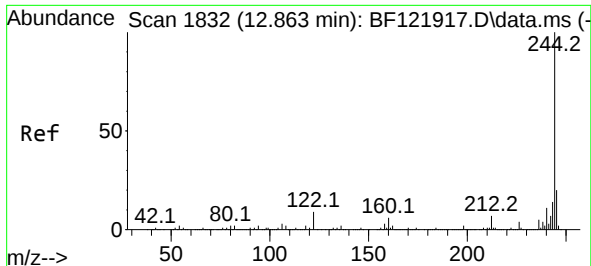
Tgt Ion:240 Resp: 179746
Ion Ratio Lower Upper
240 100
120 12.2 9.2 13.8
236 25.8 20.9 31.3



#78
Pyrene
Concen: 11.55 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

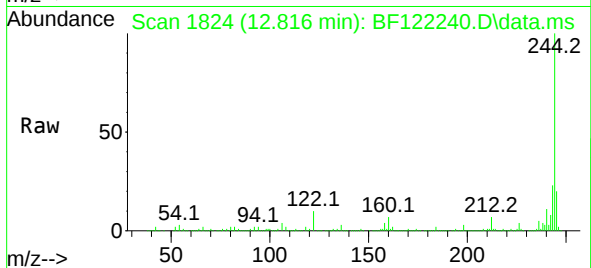
Tgt Ion:202 Resp: 158247
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.5 14.6 21.8



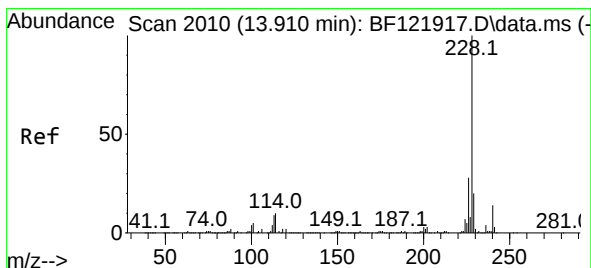
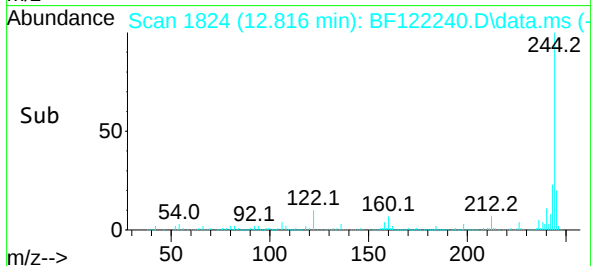
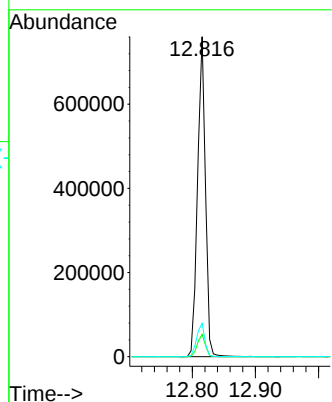


#79
 Terphenyl-d14
 Concen: 69.56 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. 0.000 min
 Lab File: BF122240.D
 Acq: 3 Nov 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 12016

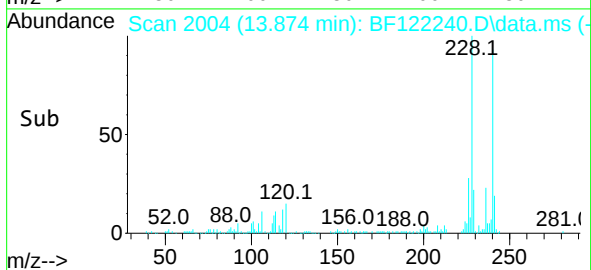
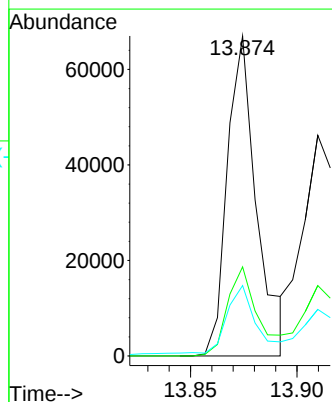
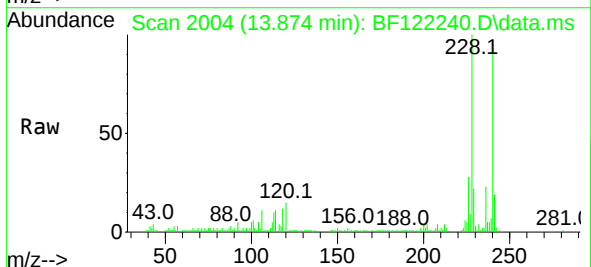


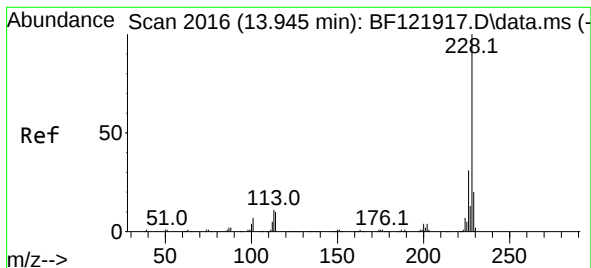
Tgt Ion:244 Resp: 656026
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 10.4 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 5.46 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: BF122240.D
 Acq: 3 Nov 2020 15:00

Tgt Ion:228 Resp: 64330
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.3 33.5
 229 22.0 16.2 24.4





#83

Chrysene

Concen: 5.00 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF122240.D

Acq: 3 Nov 2020 15:00

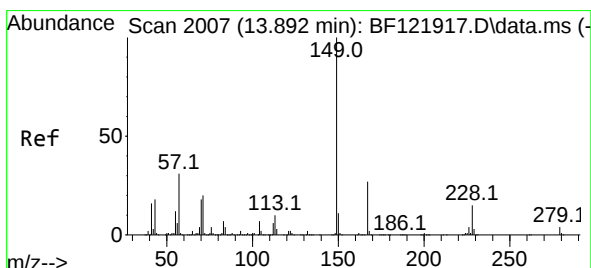
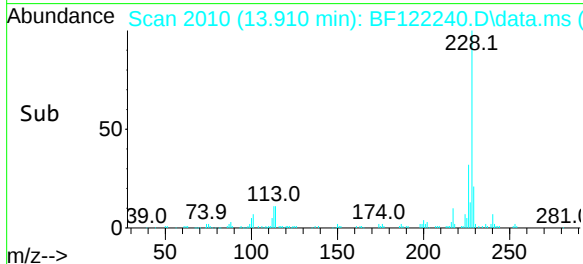
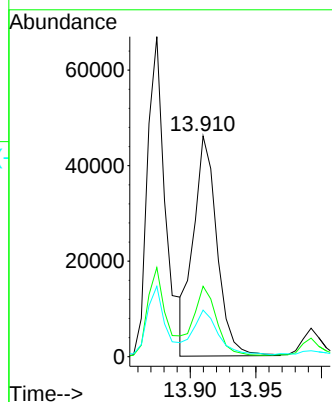
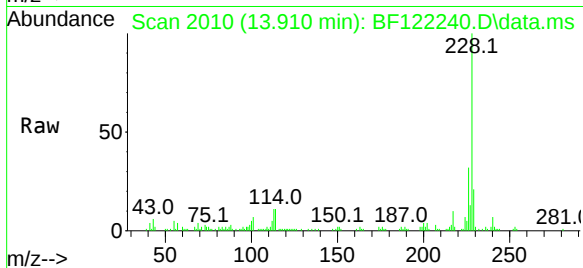
Tgt Ion:228 Resp: 57821

Ion Ratio Lower Upper

228 100

226 31.9 24.6 37.0

229 21.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 24.60 ng

RT: 13.839 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BF122240.D

Acq: 3 Nov 2020 15:00

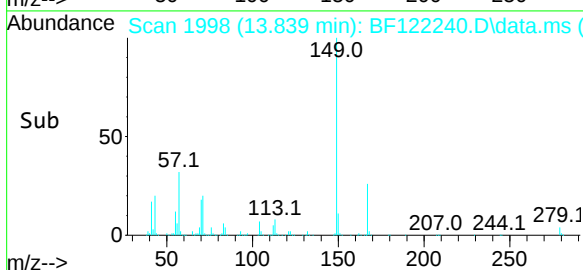
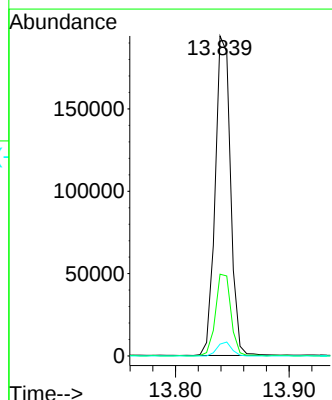
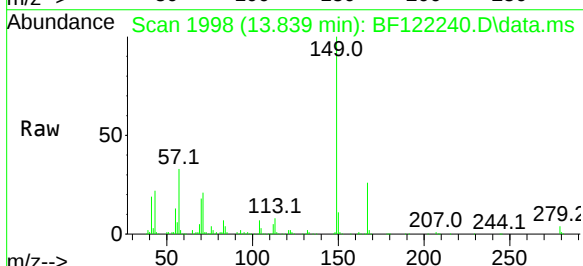
Tgt Ion:149 Resp: 181429

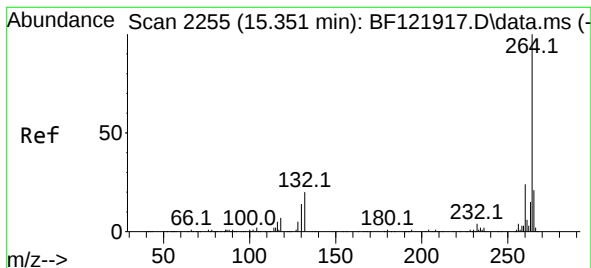
Ion Ratio Lower Upper

149 100

167 25.5 20.9 31.3

279 3.7 3.2 4.8

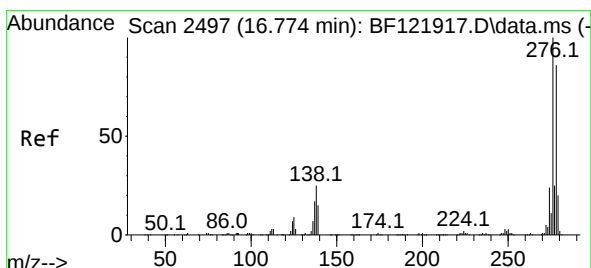
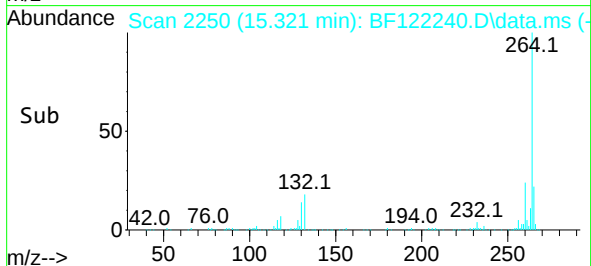
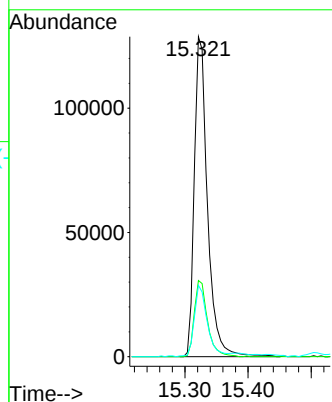
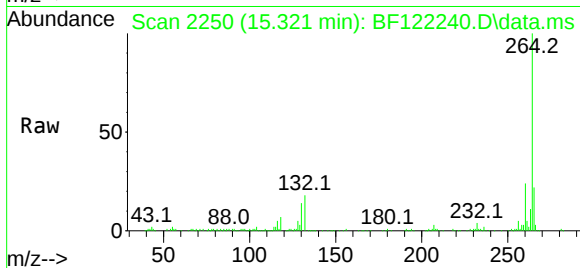




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.018 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

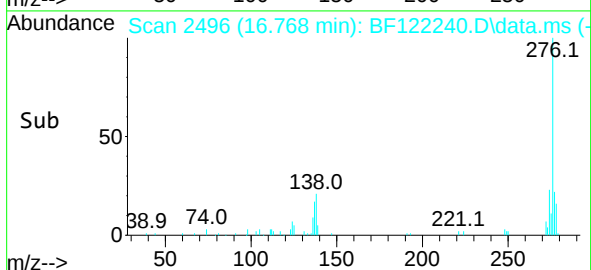
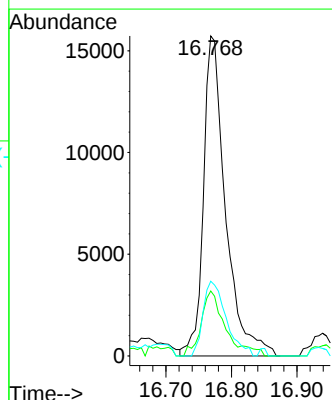
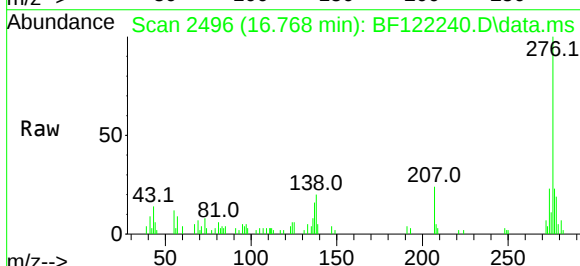
Instrument :
BNA_F
ClientSampleId :
12016

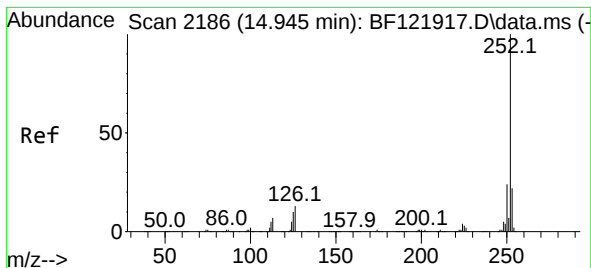
Tgt Ion:264 Resp: 186761
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.3 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.04 ng
RT: 16.768 min Scan# 2496
Delta R.T. 0.053 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Tgt Ion:276 Resp: 36857
Ion Ratio Lower Upper
276 100
138 22.3 19.9 29.9
277 24.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 7.41 ng

RT: 14.916 min Scan# 2181

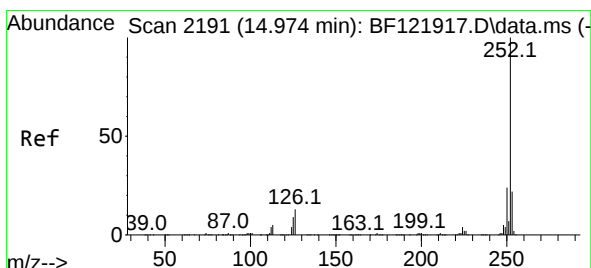
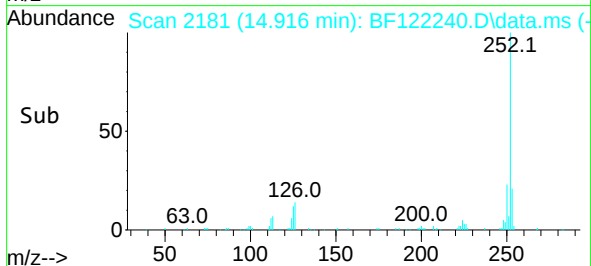
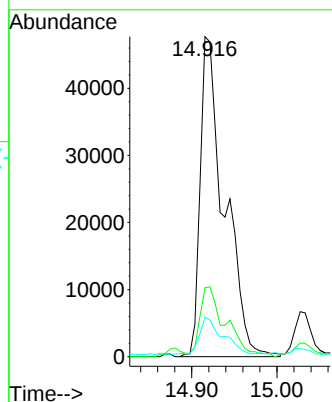
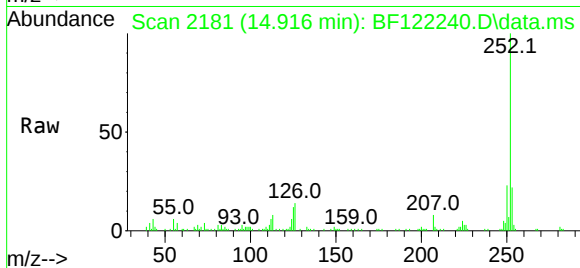
Delta R.T. 0.018 min

Lab File: BF122240.D

Acq: 3 Nov 2020 15:00

Tgt Ion:252 Resp: 93599
 Ion Ratio Lower Upper
 252 100
 253 21.5 18.2 27.2
 125 12.3 8.0 12.0#

Instrument :
 BNA_F
 ClientSampled :
 12016



#89

Benzo(k)fluoranthene

Concen: 7.81 ng

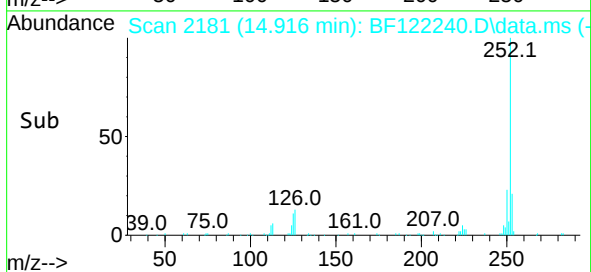
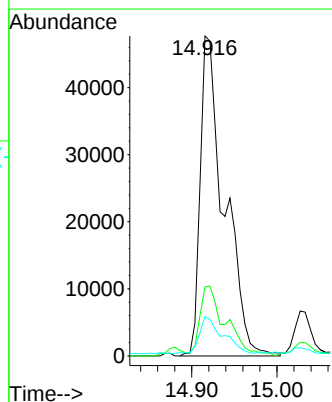
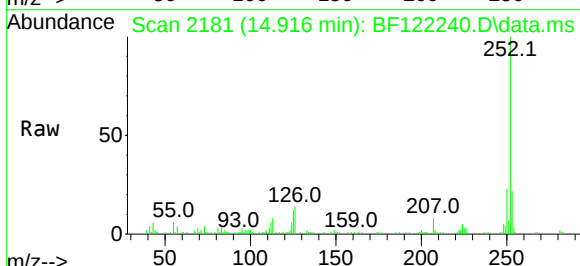
RT: 14.916 min Scan# 2181

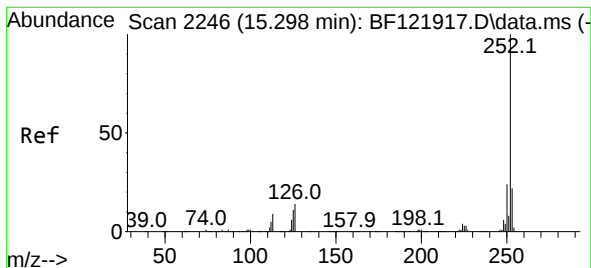
Delta R.T. -0.012 min

Lab File: BF122240.D

Acq: 3 Nov 2020 15:00

Tgt Ion:252 Resp: 93599
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.6
 125 12.3 7.7 11.5#

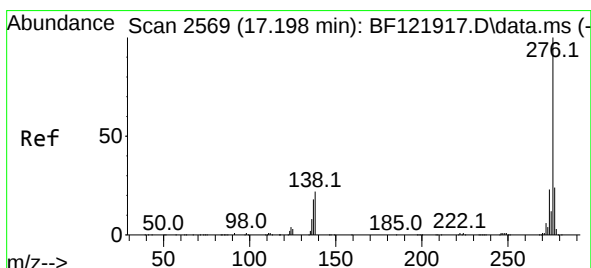
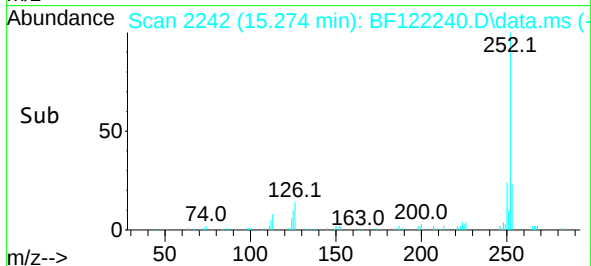
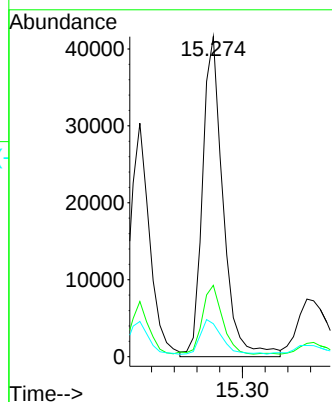
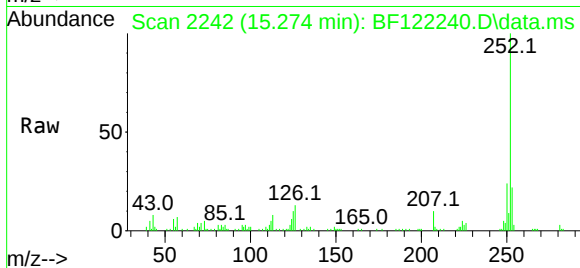




#90
Benzo(a)pyrene
Concen: 4.81 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.024 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Instrument :
BNA_F
ClientSampleId :
12016

Tgt Ion:252 Resp: 52401
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 10.3 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 3.63 ng
RT: 17.204 min Scan# 2570
Delta R.T. 0.071 min
Lab File: BF122240.D
Acq: 3 Nov 2020 15:00

Tgt Ion:276 Resp: 36290
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.2
138 24.4 17.8 26.6

