

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104565.D
 Acq On : 17 Apr 2018 17:04
 Operator : JU/SJ
 Sample : J2407-05 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

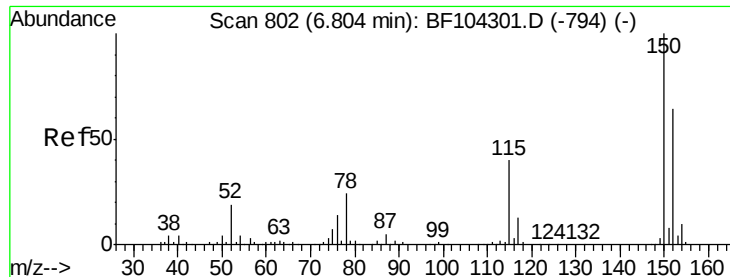
Quant Time: Apr 17 18:12:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	167886	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	679432	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	262774	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	430806	20.00	ng	0.00
75) Chrysene-d12	13.98	240	339356	20.00	ng	0.00
86) Perylene-d12	15.44	264	287084	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	419030	38.16	ng	0.00
7) Phenol-d6	6.43	99	513610	38.07	ng	-0.01
23) Nitrobenzene-d5	7.36	82	305558	29.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	101006	37.06	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	512644	30.82	ng	0.00
78) Terphenyl-d14	12.92	244	356173	23.93	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	3895	Below Cal		# 75
19) n-Nitroso-di-n-propylamine	7.36	70	40220	4.562	ng	# 73
25) Isophorone	7.36	82	305554	13.887	ng	# 64
49) Dimethylphthalate	9.56	163	58942	2.844	ng	# 98
50) 2,6-Dinitrotoluene	9.85	165	34109	8.896	ng	# 32
56) 2,4-Dinitrotoluene	9.85	165	34109	6.782	ng	# 29
64) 4,6-Dinitro-2-methylphenol	10.66	198	125	7.397	ng	# 1
70) Phenanthrene	11.36	178	108808	4.535	ng	# 98
74) Fluoranthene	12.54	202	232332	9.269	ng	# 98
76) Benzidine	12.81	184	224	Below Cal		# 1
77) Pyrene	12.77	202	227515	9.045	ng	# 98
80) Benzo(a)anthracene	13.97	228	129215	6.374	ng	# 94
82) Chrysene	14.00	228	134603	6.464	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.89	276	51859	2.932	ng	# 95
87) Benzo(b)fluoranthene	15.02	252	224342	12.373	ng	# 95
88) Benzo(k)fluoranthene	15.02	252	224342	13.106	ng	# 98
89) Benzo(a)pyrene	15.38	252	98797	6.090	ng	# 96
91) Benzo(g,h,i)perylene	17.33	276	48162	3.731	ng	# 97

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

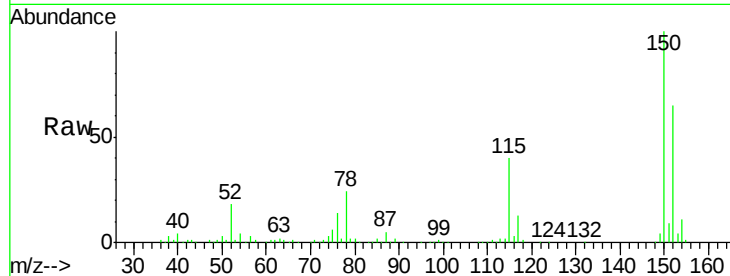


#1

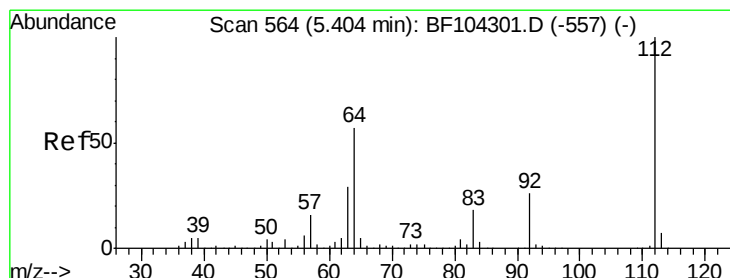
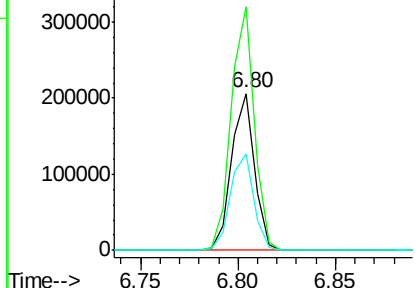
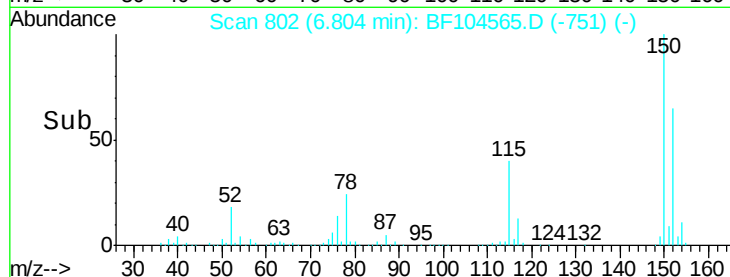
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 167886
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 61.5 50.1 75.1



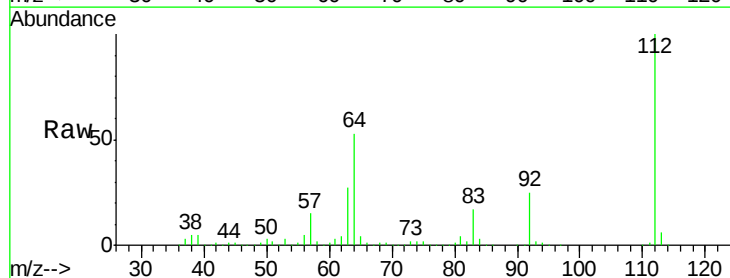
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



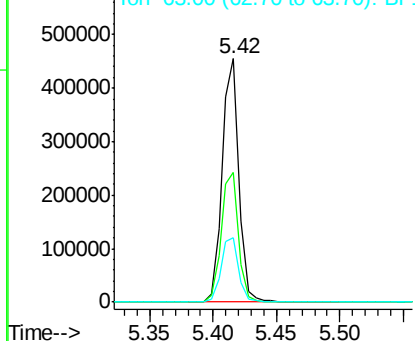
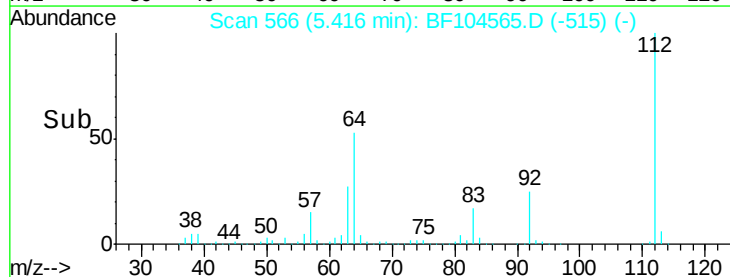
#5

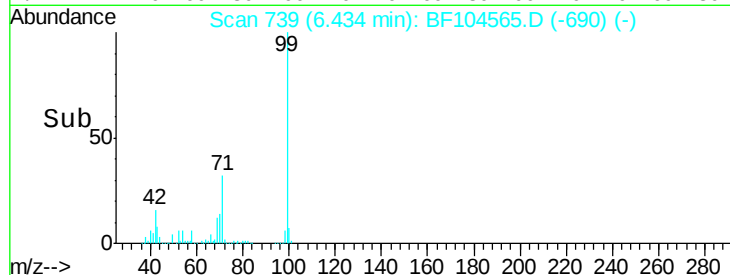
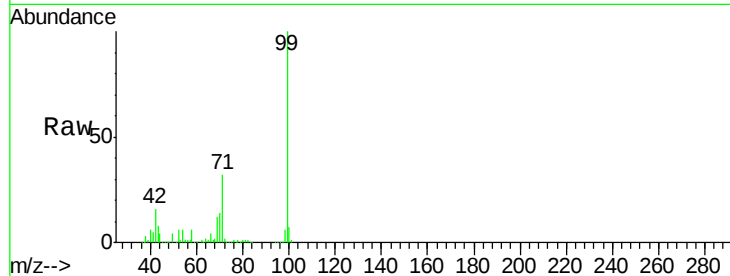
2-Fluorophenol
Concen: 38.164 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Tgt Ion:112 Resp: 419030
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 26.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 38.072 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

Instrument :

BNA_F

ClientSampleId :

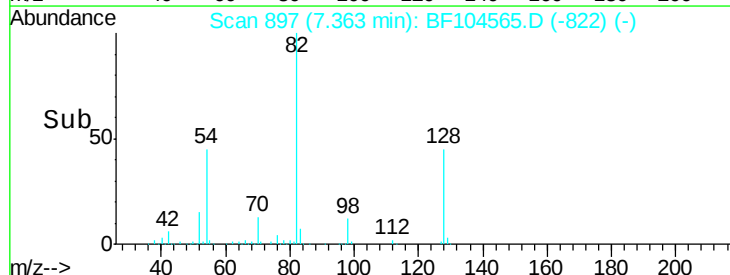
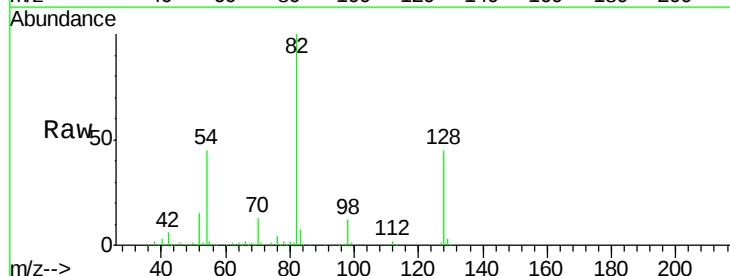
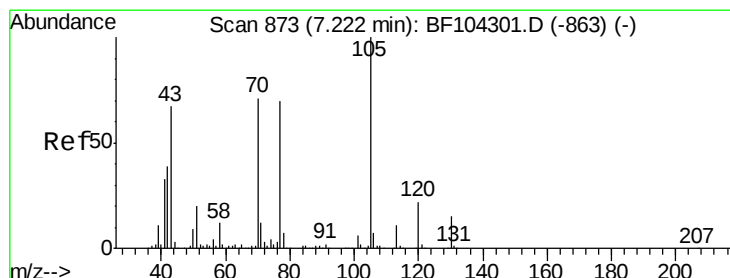
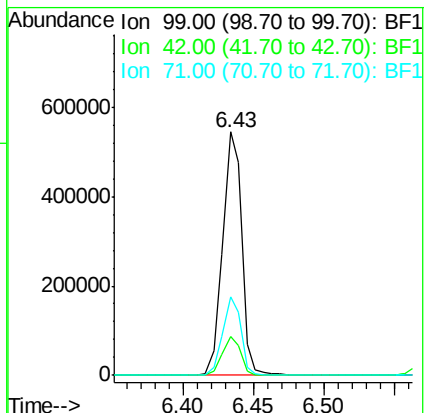
Tot Ion: 99 Resp: 513610

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 32.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.562 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

Tgt Ion: 70 Resp: 40220

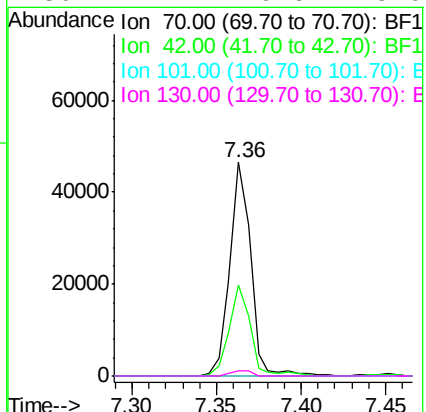
Ion Ratio Lower Upper

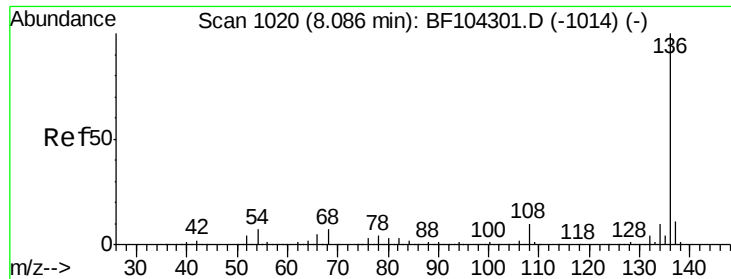
70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

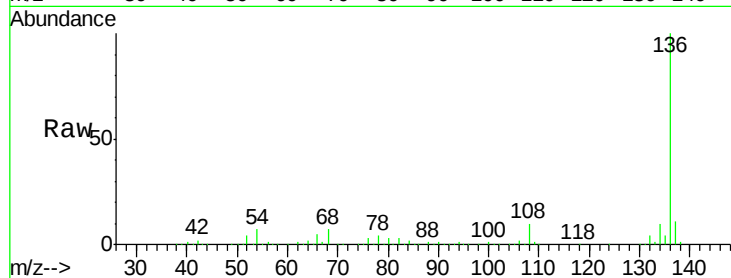




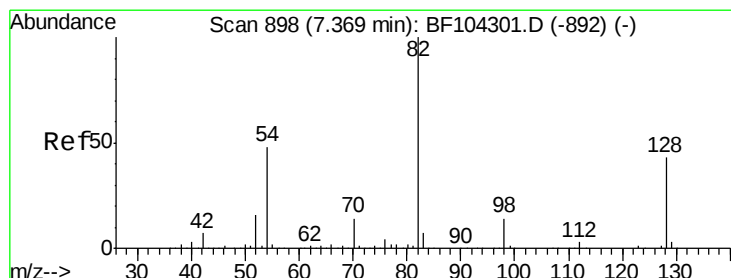
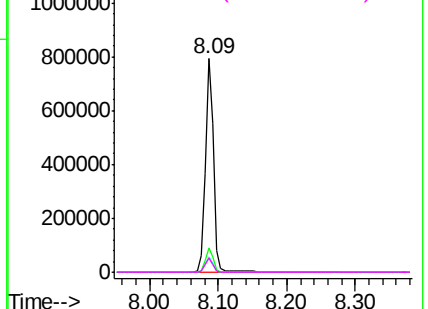
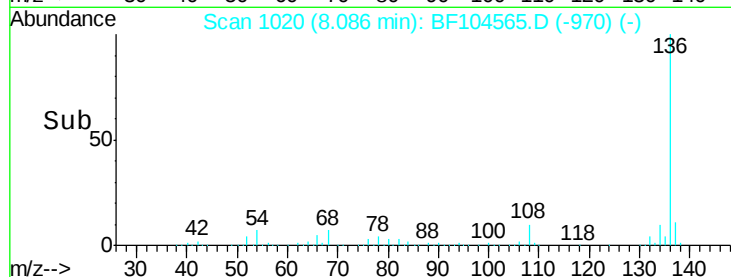
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	679432
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.9 13.3
54	7.4	6.6 9.8
68	6.5	5.0 7.4

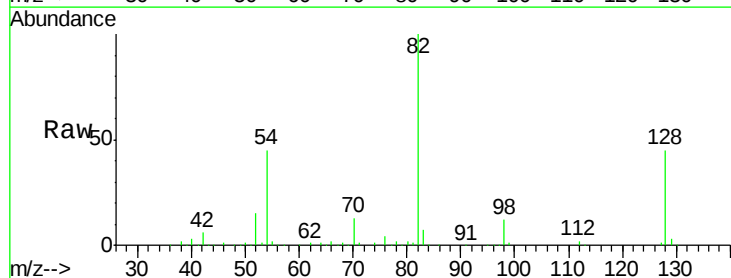


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

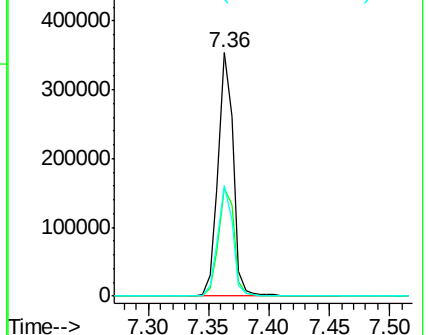
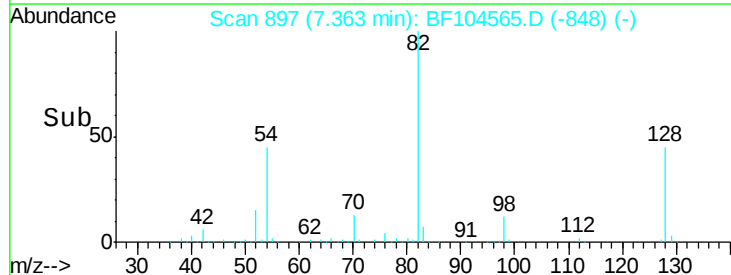


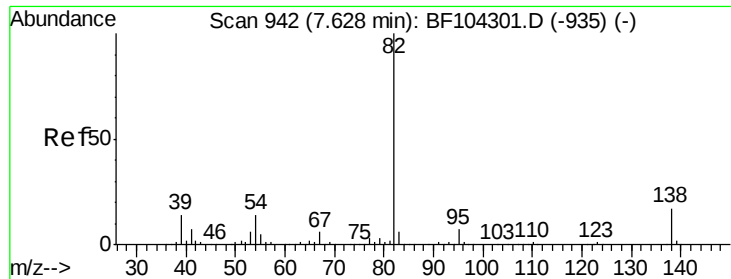
#23
Nitrobenzene-d5
Concen: 29.366 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Tgt Ion: 82	Resp:	305558
Ion	Ratio	Lower Upper
82	100	
128	44.6	36.1 54.1
54	45.5	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.887 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

Instrument :

BNA_F

ClientSampled :

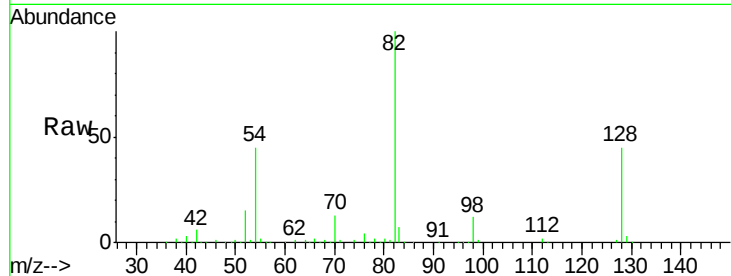
Tot Ion: 82 Resp: 305554

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

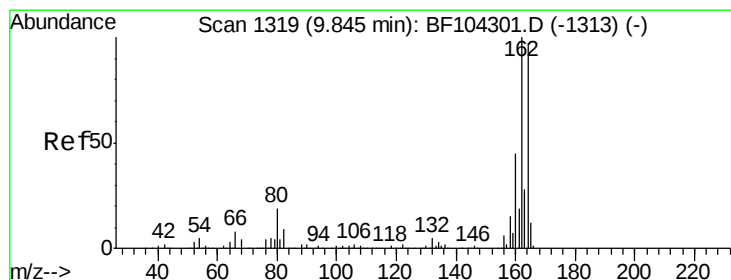
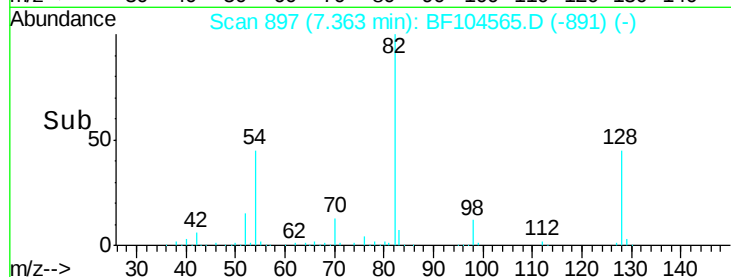
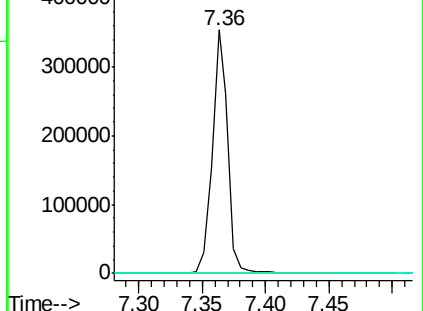
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

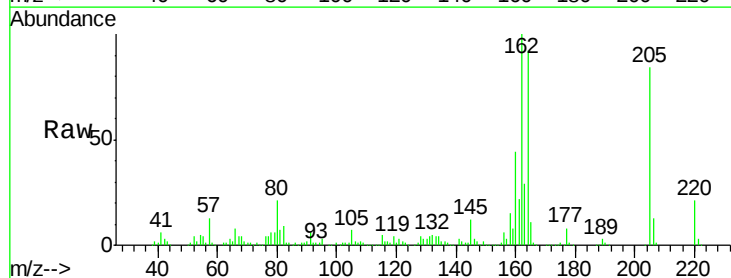
Tgt Ion:164 Resp: 262774

Ion Ratio Lower Upper

164 100

162 108.4 86.1 129.1

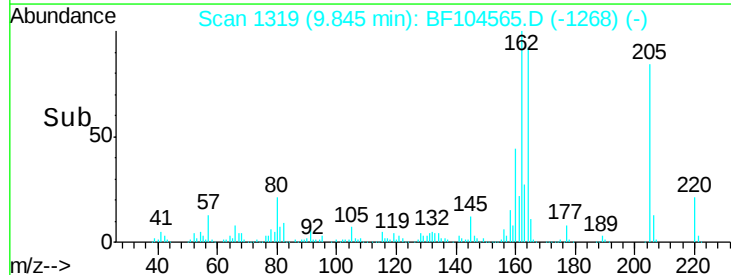
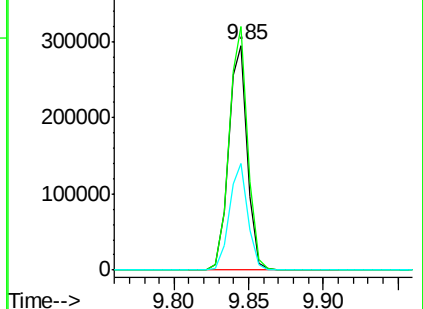
160 47.6 38.3 57.5

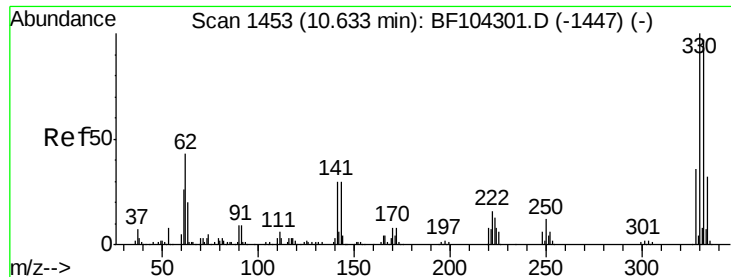


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

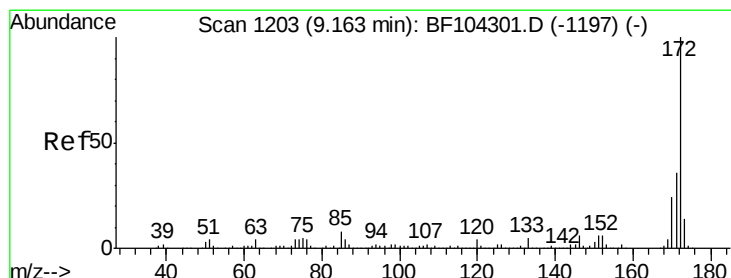
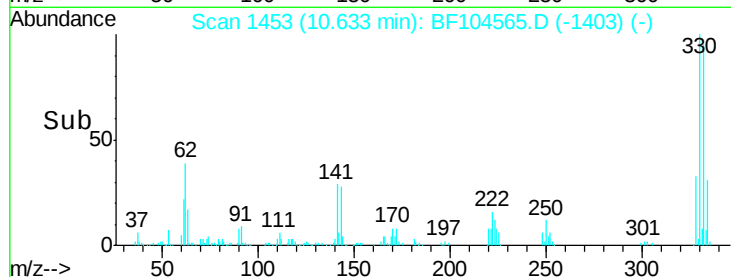
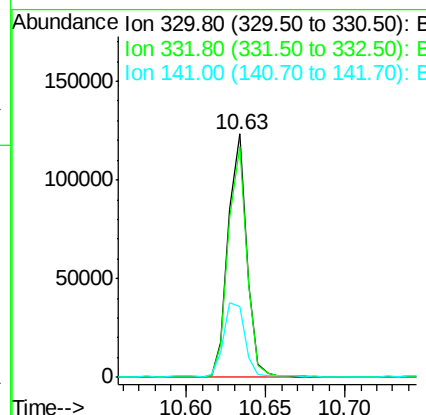
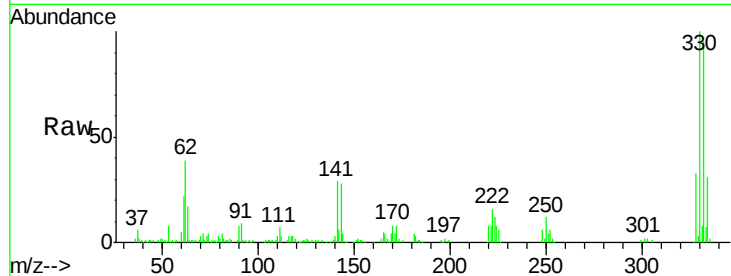




#41
 2,4,6-Tribromophenol
 Concen: 37.055 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104565.D
 Acq: 17 Apr 2018 17:04

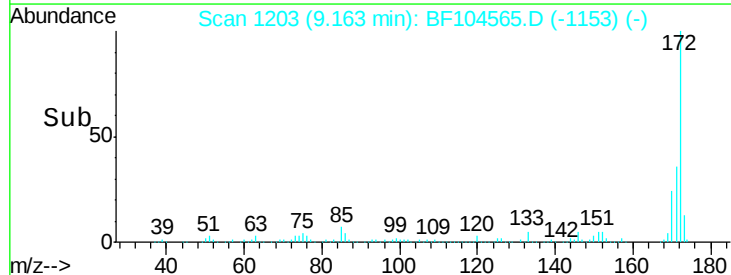
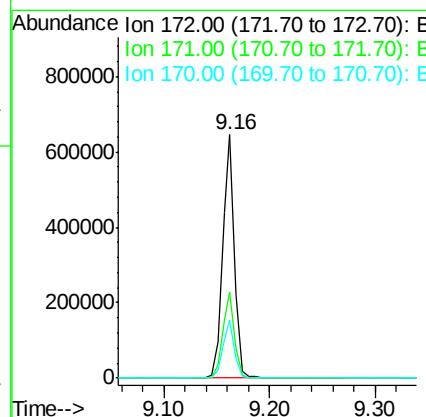
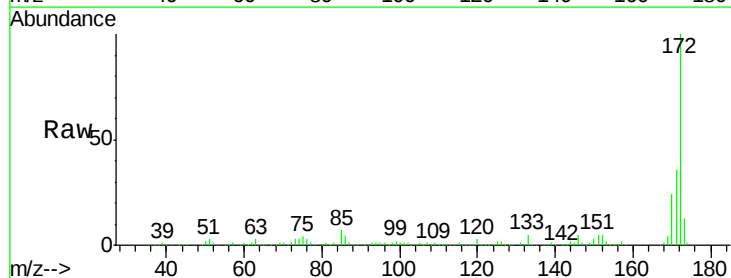
Instrument :
 BNA_F
 ClientSampleId :

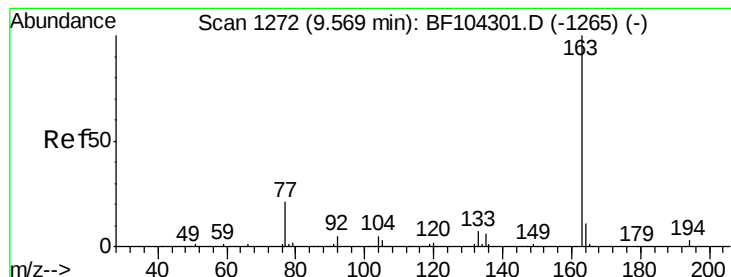
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	37.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 30.819 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104565.D
 Acq: 17 Apr 2018 17:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.6	19.6	29.4





#49

Dimethylphthalate

Concen: 2.844 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

Instrument :

BNA_F

ClientSampled :

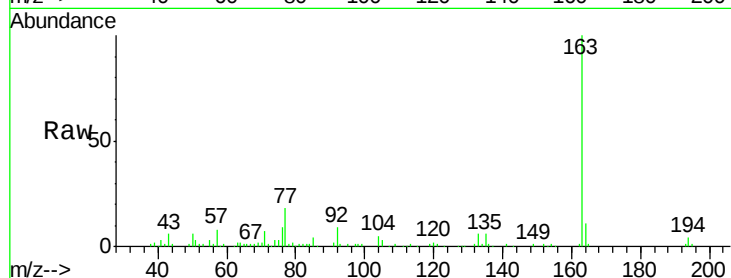
Tot Ion:163 Resp: 58942

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

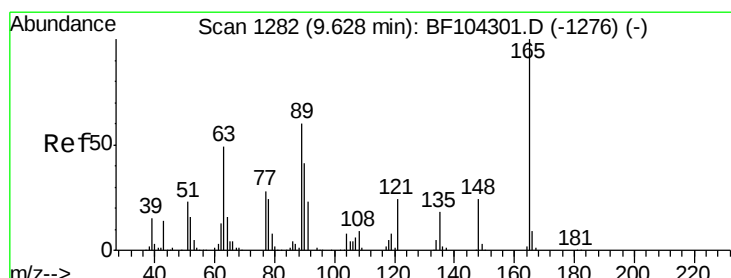
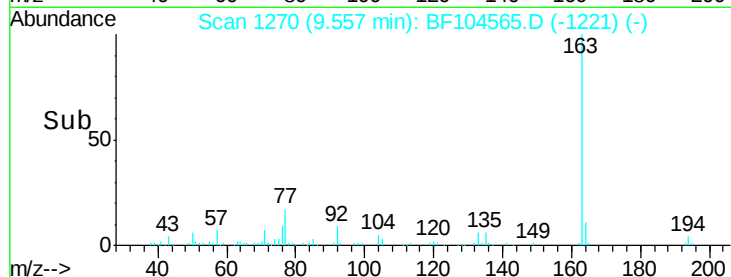
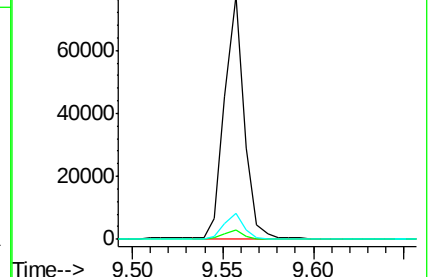
164 10.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.896 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

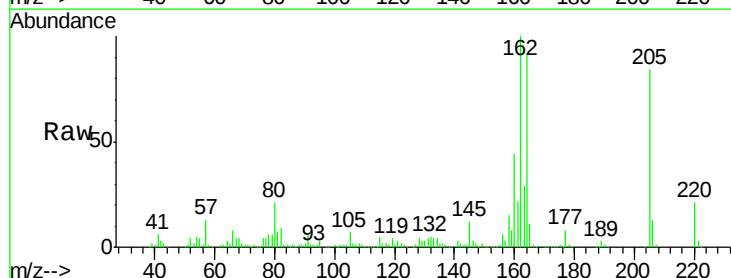
Tgt Ion:165 Resp: 34109

Ion Ratio Lower Upper

165 100

63 6.9 44.7 67.1#

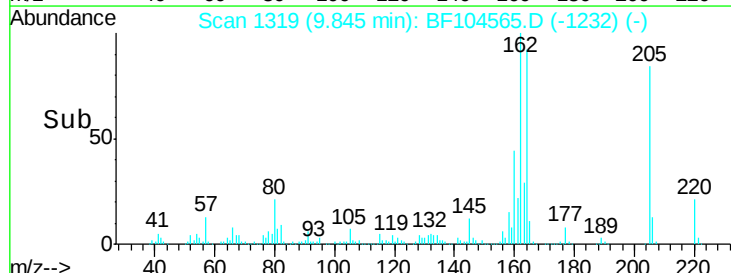
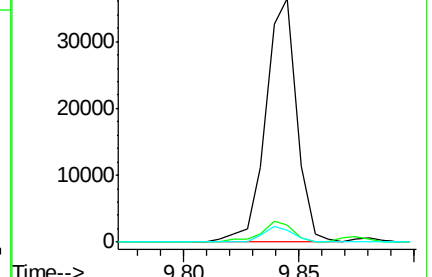
89 4.7 44.0 66.0#

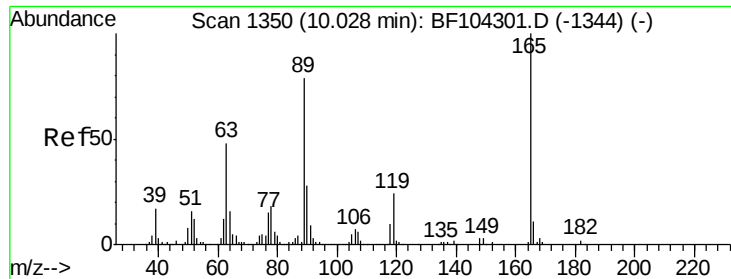


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

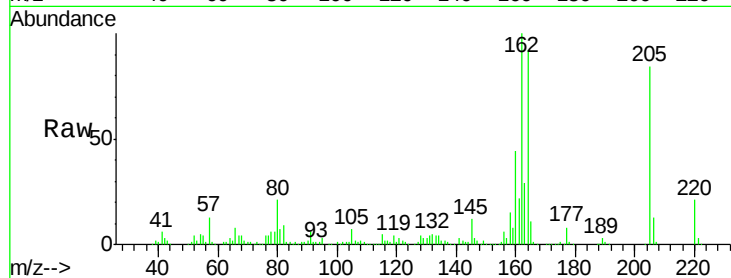




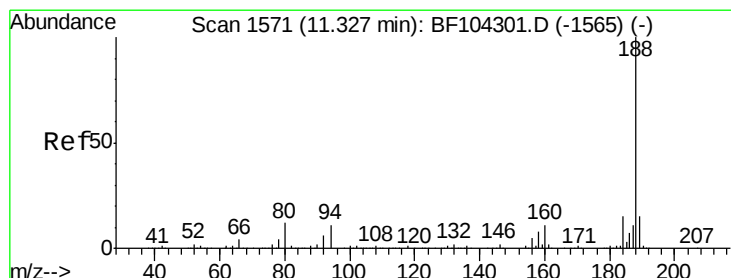
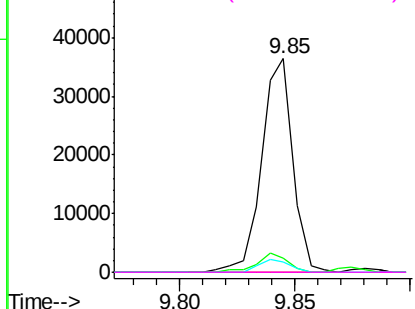
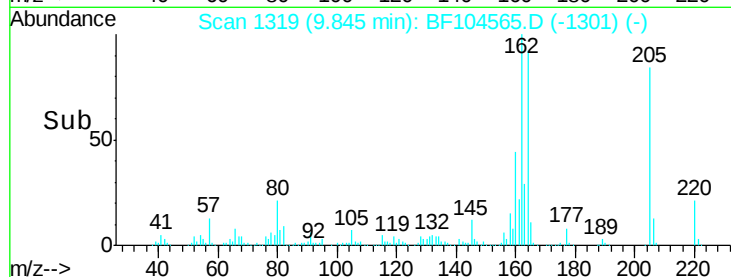
#56
 2,4-Dinitrotoluene
 Concen: 6.782 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104565.D
 Acq: 17 Apr 2018 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	34109
Ion	Ratio	Lower Upper
165	100	
63	6.9	36.4 54.6#
89	4.7	57.8 86.6#
182	0.0	1.6 2.4#

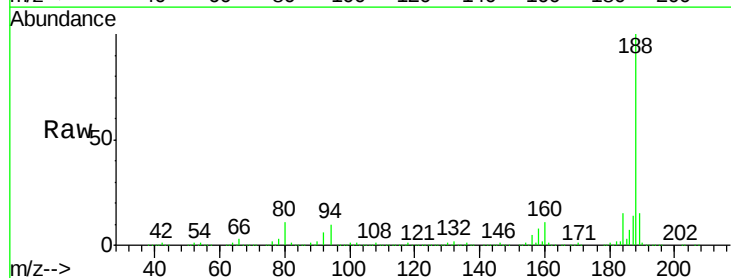


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

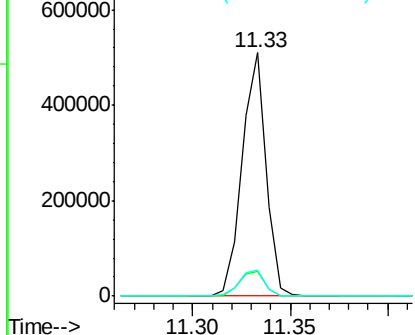
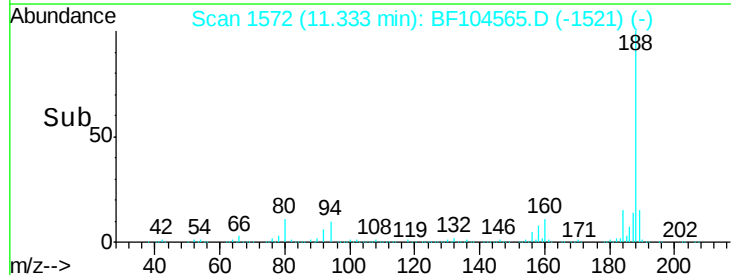


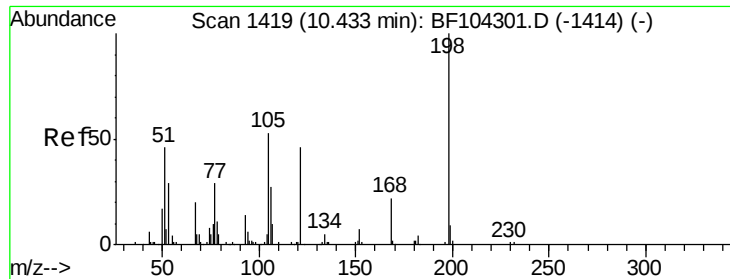
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104565.D
 Acq: 17 Apr 2018 17:04

Tgt Ion:188	Resp:	430806
Ion	Ratio	Lower Upper
188	100	
94	10.0	8.5 12.7
80	10.8	9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

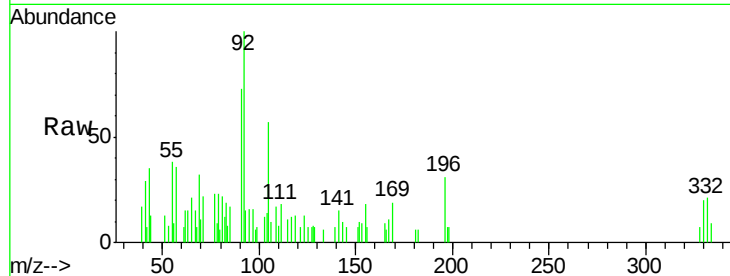




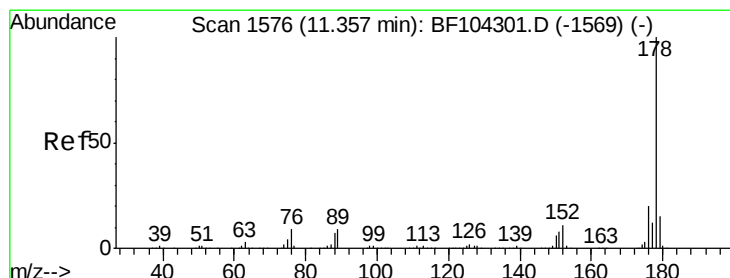
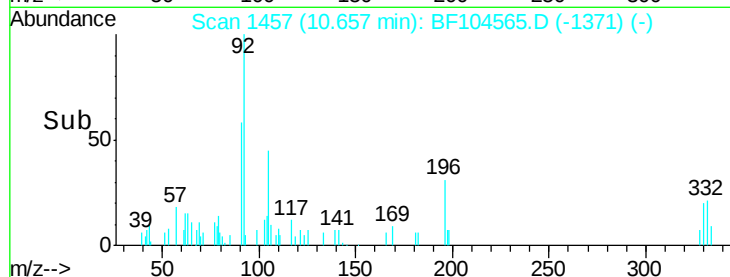
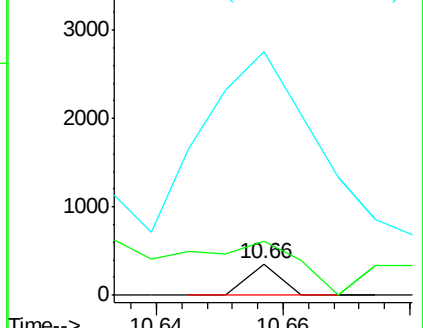
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.397 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.21 min
 Lab File: BF104565.D
 Acq: 17 Apr 2018 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 125
 Ion Ratio Lower Upper
 198 100
 51 174.4 37.7 77.7#
 105 775.8 36.3 76.3#

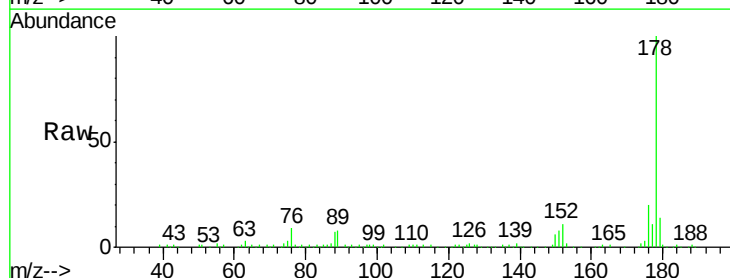


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

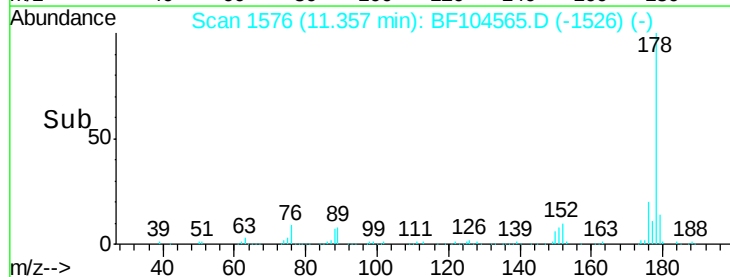
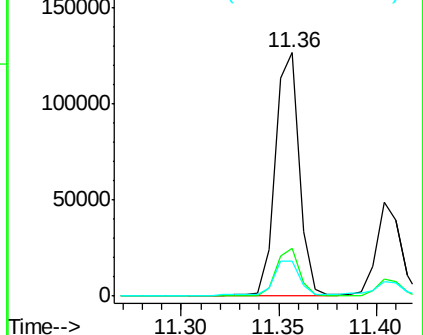


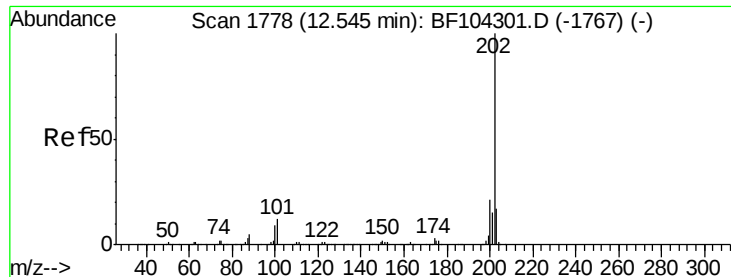
#70
 Phenanthrene
 Concen: 4.535 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104565.D
 Acq: 17 Apr 2018 17:04

Tgt Ion:178 Resp: 108808
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 14.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.269 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104565.D

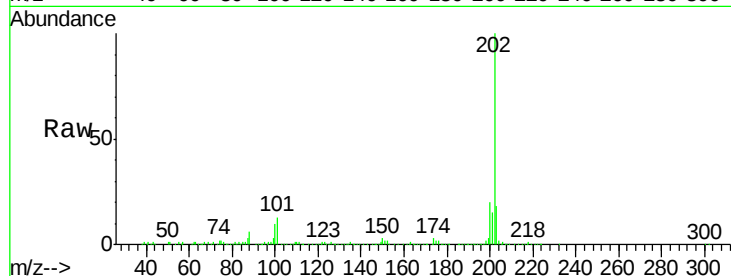
Acq: 17 Apr 2018 17:04

Instrument :

BNA_F

ClientSampleId :

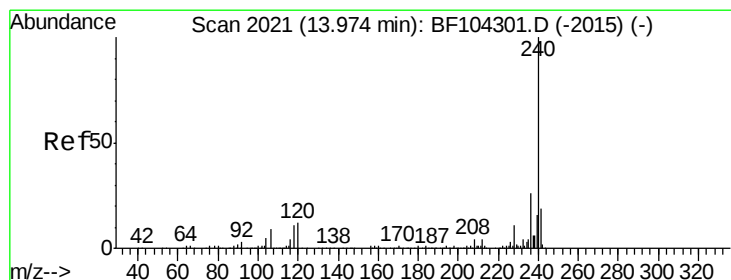
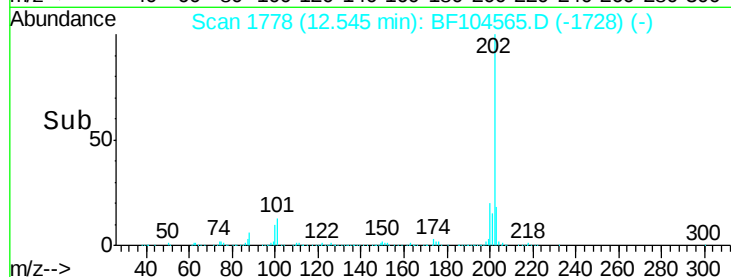
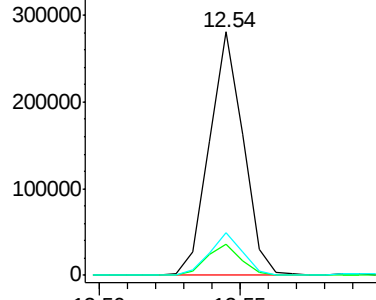
Tot Ion:	202	Resp:	232332
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.7	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

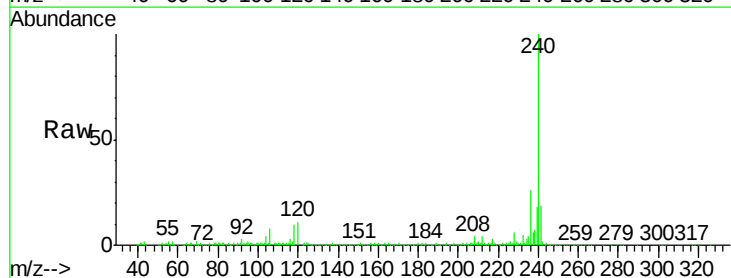
RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

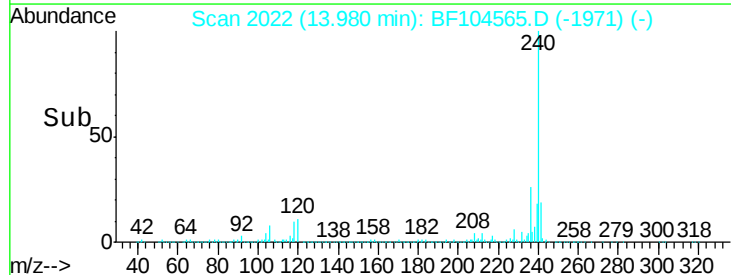
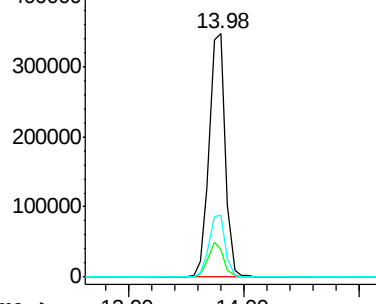
Tgt Ion:	240	Resp:	339356
Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.6	20.7	31.1

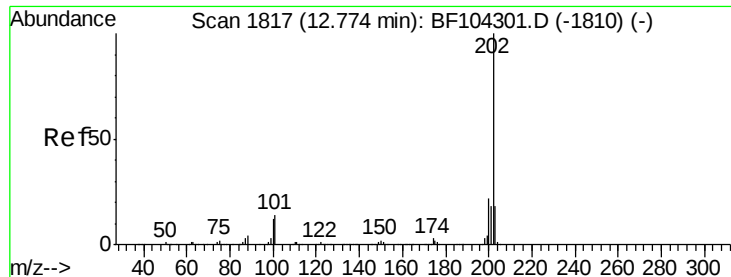


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

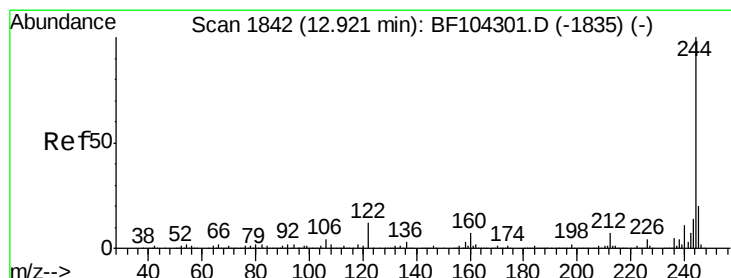
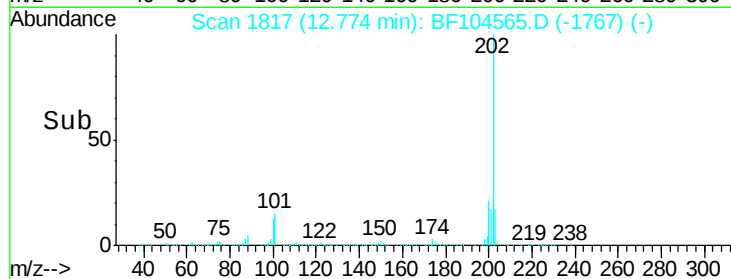
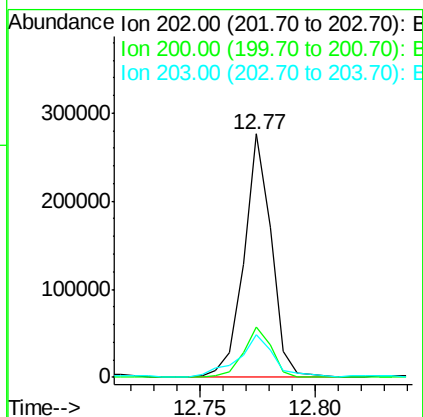
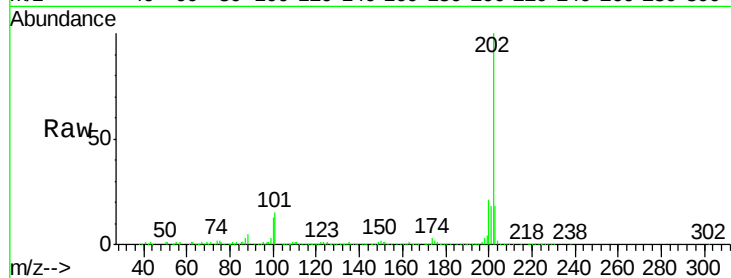




#77
Pvrene
Concen: 9.045 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

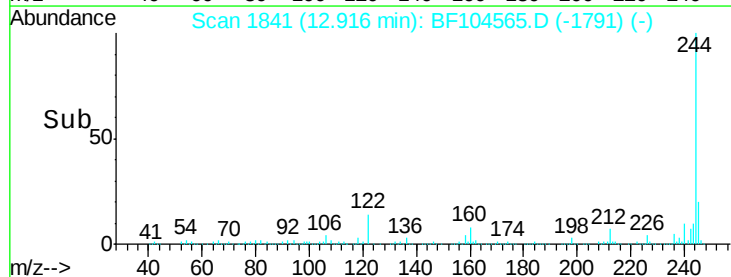
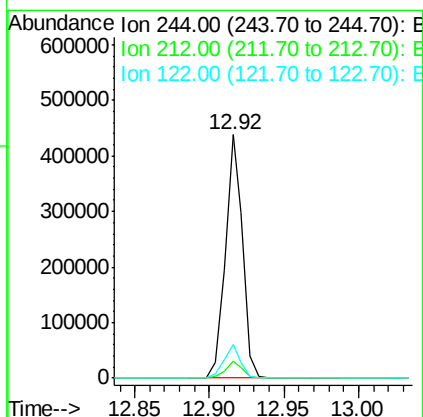
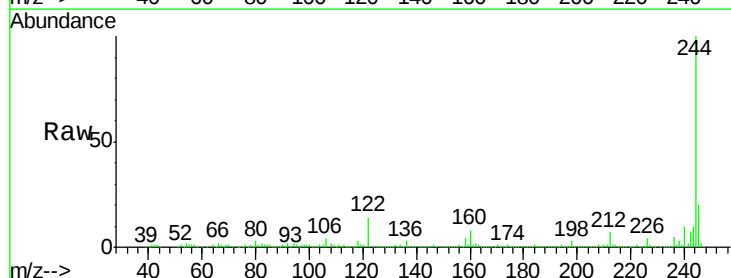
Instrument :
BNA_F
ClientSampleId :

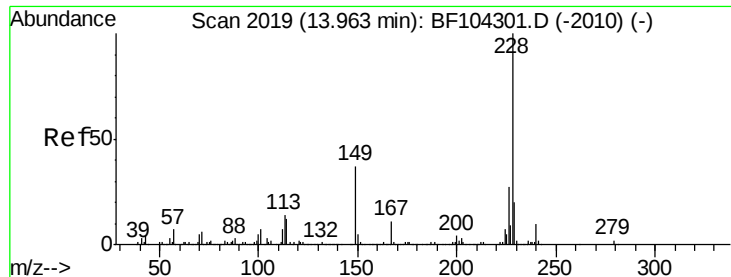
Tot Ion:202 Resp: 227515
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.6 14.3 21.5



#78
Terphenyl-d14
Concen: 23.928 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Tgt Ion:244 Resp: 356173
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 13.9 11.0 16.4

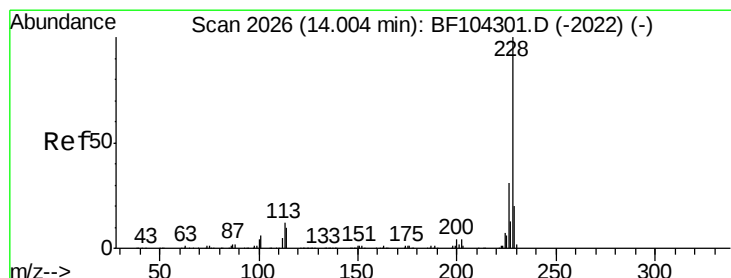
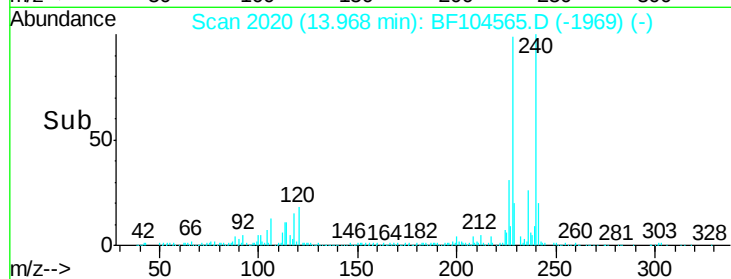
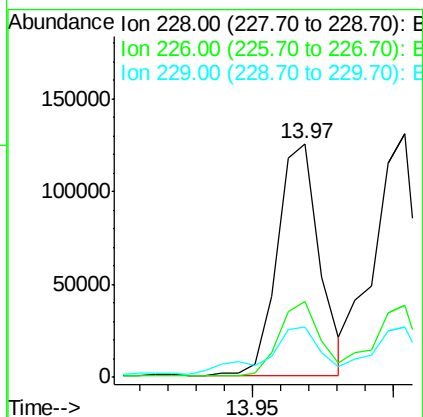
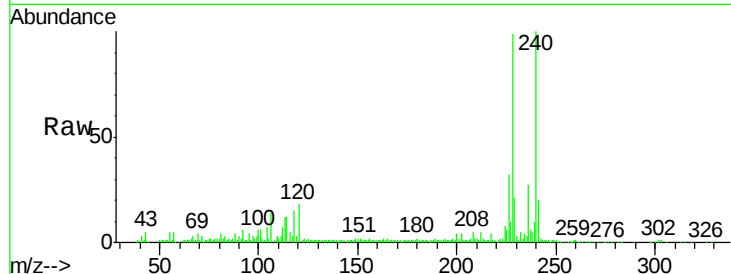




#80
Benzo(a)anthracene
Concen: 6.374 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

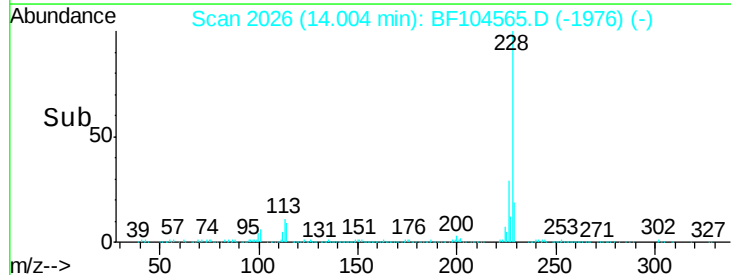
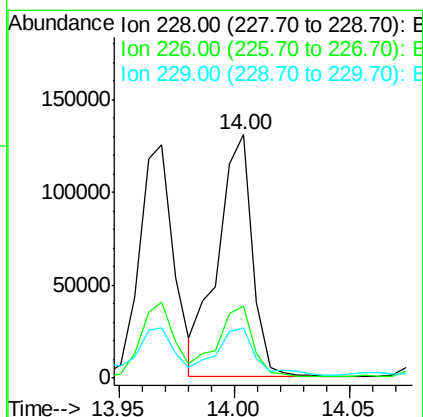
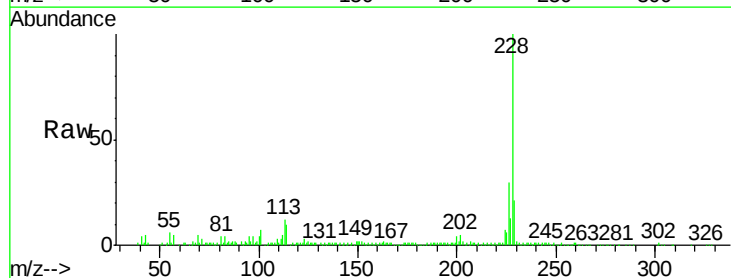
Instrument :
BNA_F
ClientSampleId :

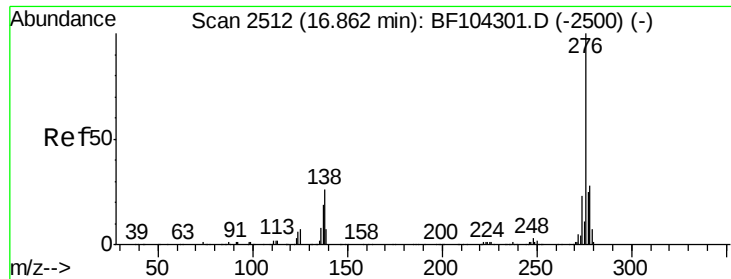
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.6	33.8
229	21.5	15.8	23.6



#82
Chrysene
Concen: 6.464 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.9	16.2	24.4

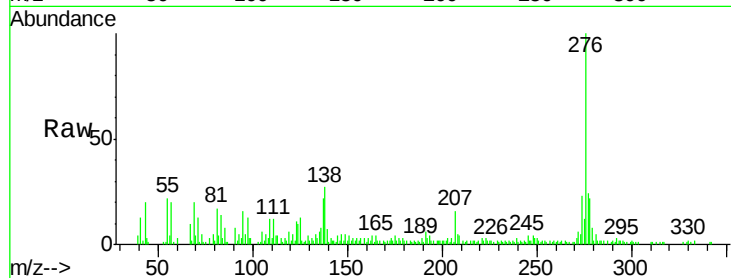




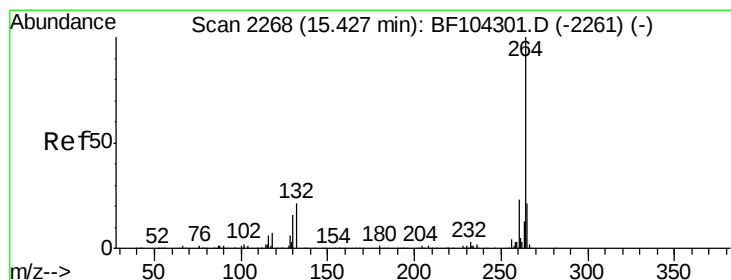
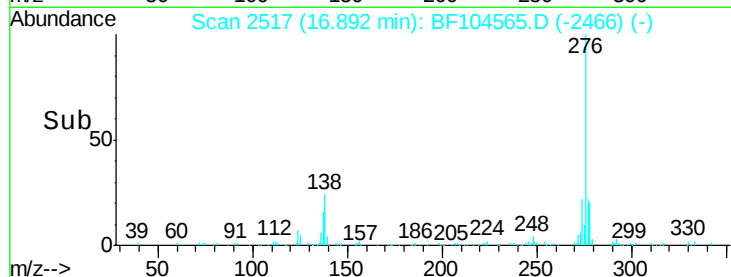
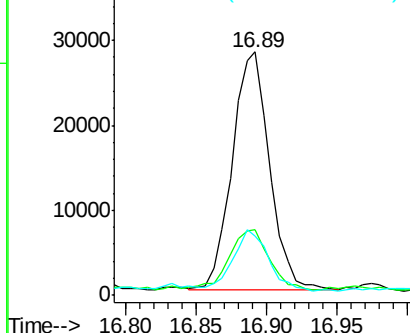
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.932 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.0	37.6
277	23.5	20.1	30.1

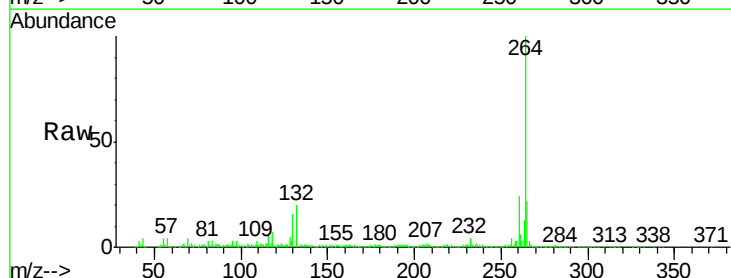


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

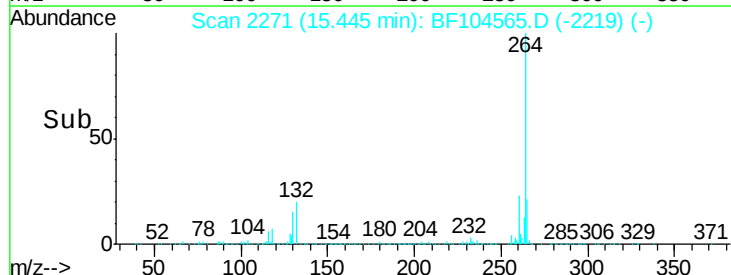
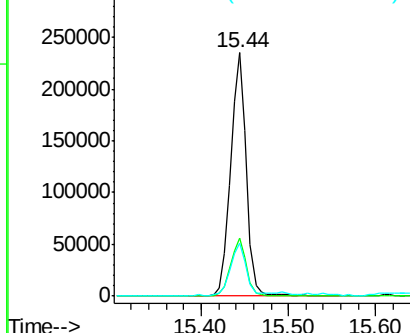


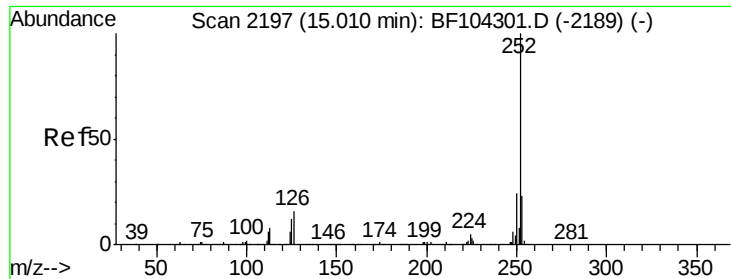
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.7	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 12.373 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

Instrument :

BNA_F

ClientSampleId :

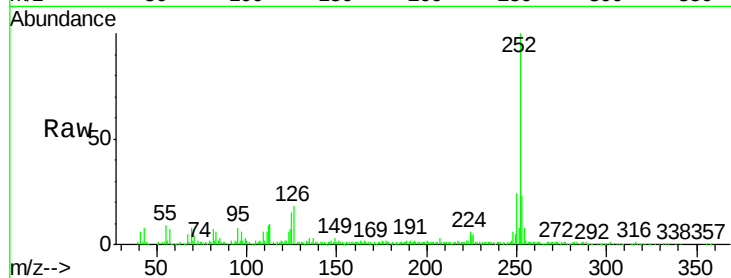
Tot Ion:252 Resp: 224342

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

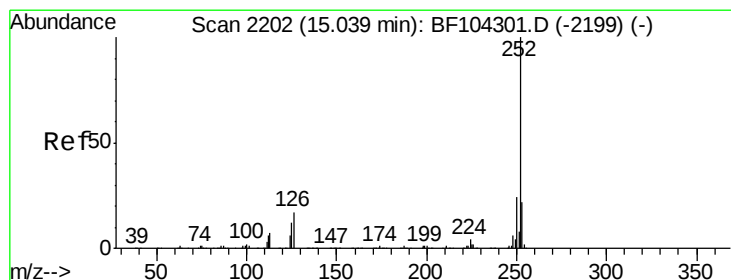
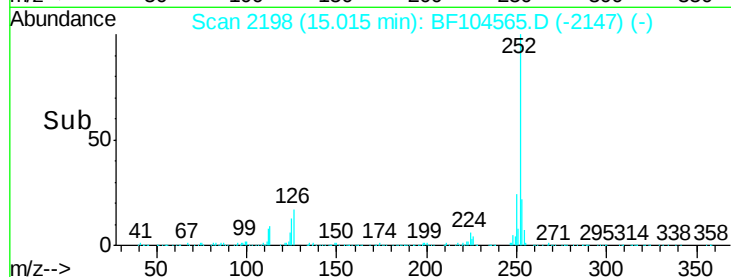
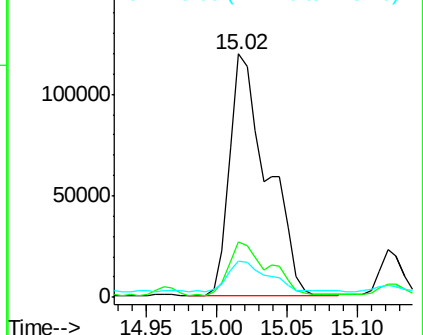
125 14.8 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 13.106 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF104565.D

Acq: 17 Apr 2018 17:04

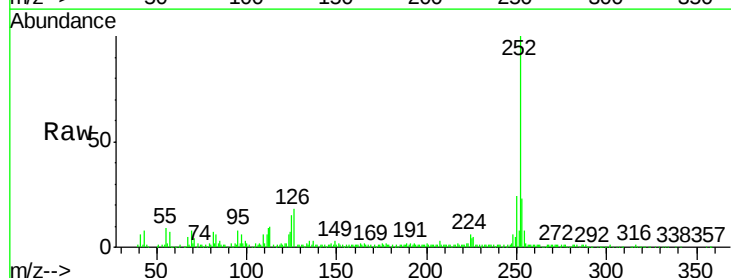
Tgt Ion:252 Resp: 224342

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

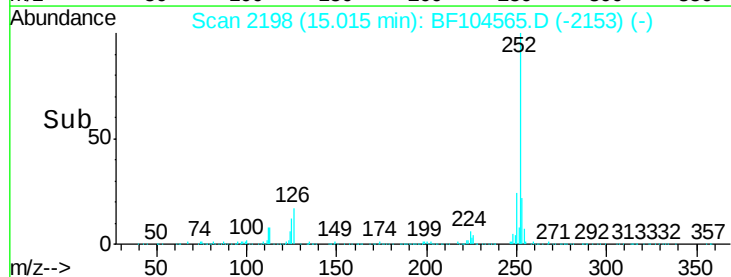
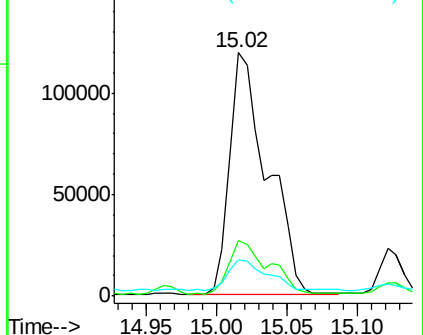
125 14.8 10.2 15.2

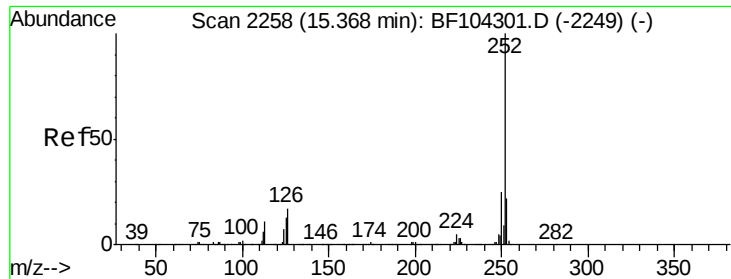


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

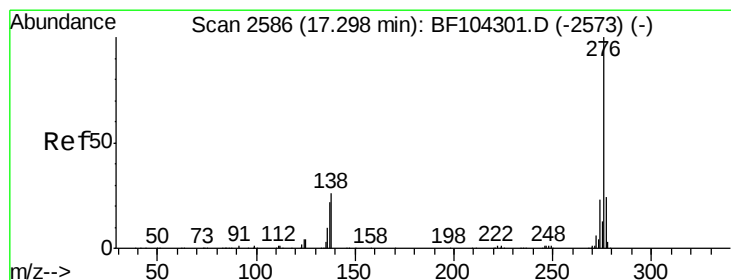
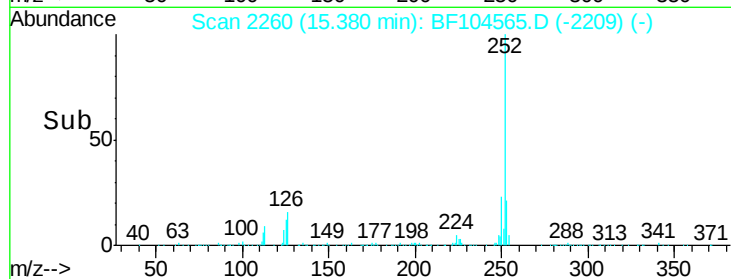
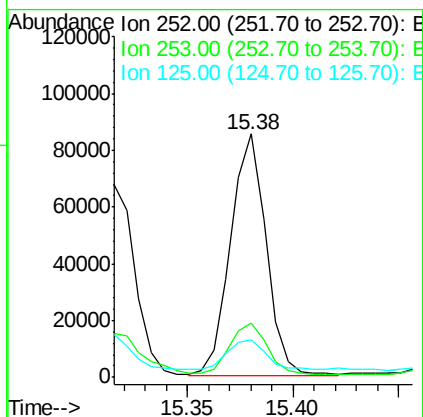
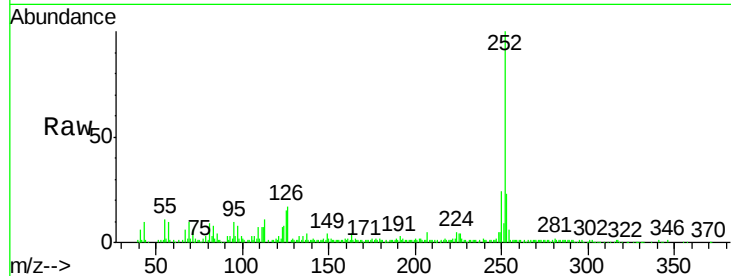




#89
Benzo(a)pyrene
Concen: 6.090 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 98797
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 15.4 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.731 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.01 min
Lab File: BF104565.D
Acq: 17 Apr 2018 17:04

Tgt Ion:276 Resp: 48162
Ion Ratio Lower Upper
276 100
277 24.4 17.9 26.9
138 28.7 21.8 32.8

