

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071018\
 Data File : BF107276.D
 Acq On : 10 Jul 2018 16:48
 Operator : JU/SJ
 Sample : J3901-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

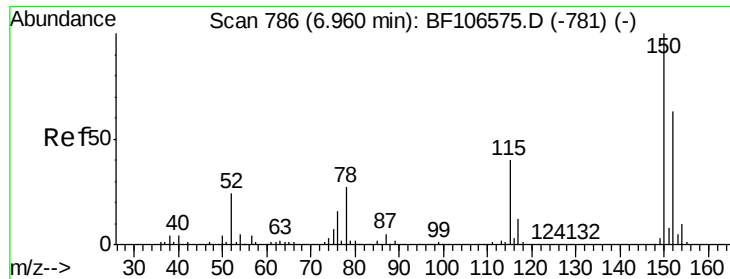
Quant Time: Jul 10 17:22:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	39164	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	133203	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	60712	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	129350	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	128376	20.00	ng	-0.03
86) Perylene-d12	15.68	264	91549	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	237283	102.59	ng	-0.01
7) Phenol-d6	6.59	99	282318	97.75	ng	-0.02
23) Nitrobenzene-d5	7.51	82	164045	68.44	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	79382	112.81	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	286220	78.70	ng	-0.03
78) Terphenyl-d14	13.07	244	392028	73.97	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	7916	2.402	ng	84
19) n-Nitroso-di-n-propylamine	7.51	70	21322	11.199	ng	# 72
25) Isophorone	7.51	82	164065	38.844	ng	# 64
49) Dimethylphthalate	9.69	163	52899	11.617	ng	98
56) 2,4-Dinitrotoluene	9.98	165	7541	5.992	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	4639	3.005	ng	# 1
70) Phenanthrene	11.50	178	23050	3.695	ng	97
74) Fluoranthene	12.70	202	42680	6.207	ng	97
77) Pyrene	12.94	202	41616	4.916	ng	96
80) Benzo(a)anthracene	14.13	228	23286	2.976	ng	97
82) Chrysene	14.17	228	21531	2.991	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	14442	2.364	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	37487	6.592	ng	95
88) Benzo(k)fluoranthene	15.22	252	37487	6.922	ng	98
89) Benzo(a)pyrene	15.61	252	20895	4.133	ng	96
91) Benzo(g,h,i)perylene	17.75	276	13730	3.279	ng	# 90

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

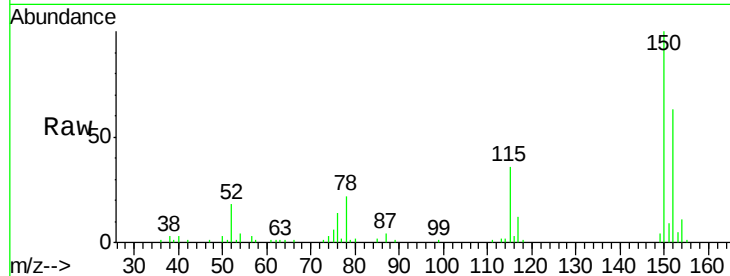


#1

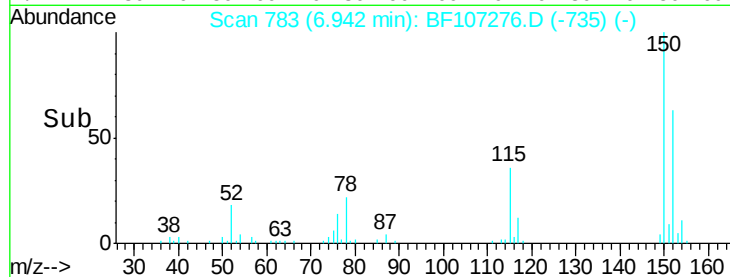
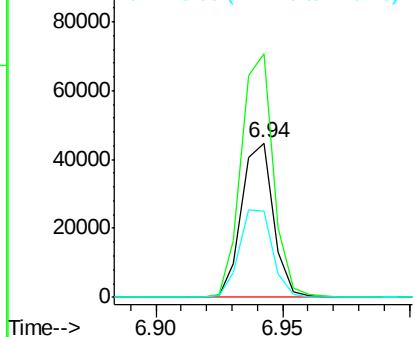
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tgt Ion:152 Resp: 39164
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 56.4 50.1 75.1



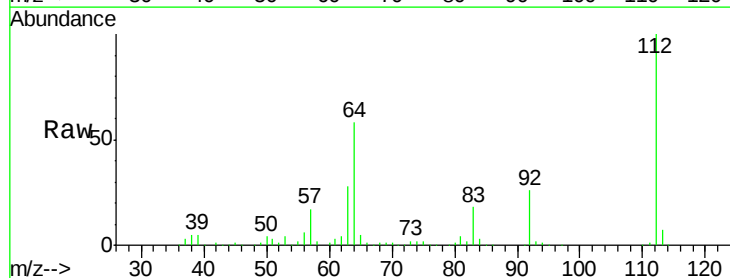
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



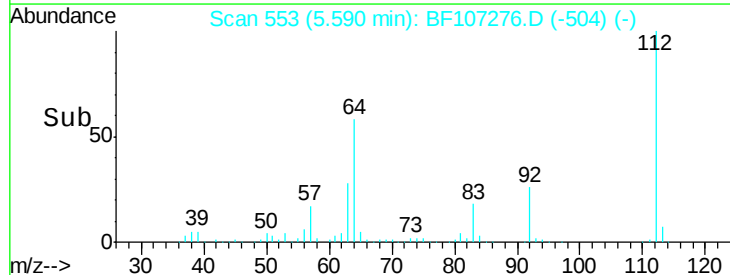
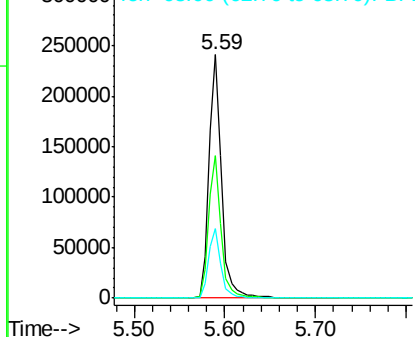
#5

2-Fluorophenol
Concen: 102.593 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion:112 Resp: 237283
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 28.5 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: 97.745 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Instrument :

BNA_F

ClientSampleId :

TP-9-S

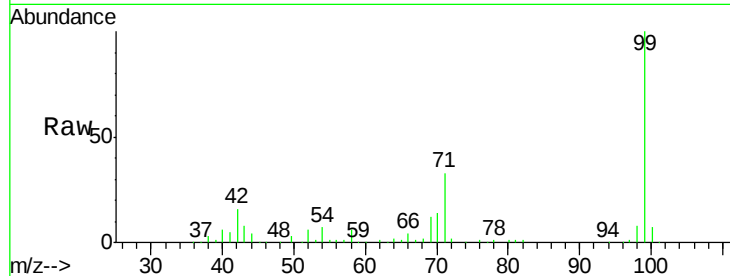
Tgt Ion: 99 Resp: 282318

Ion Ratio Lower Upper

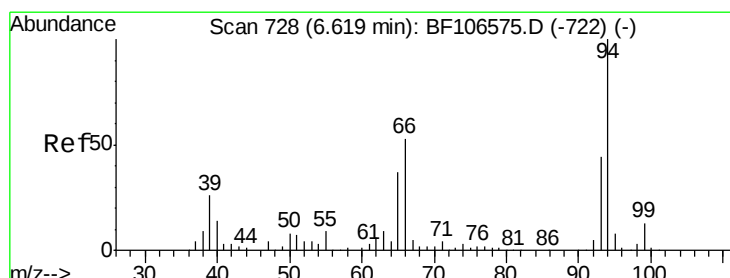
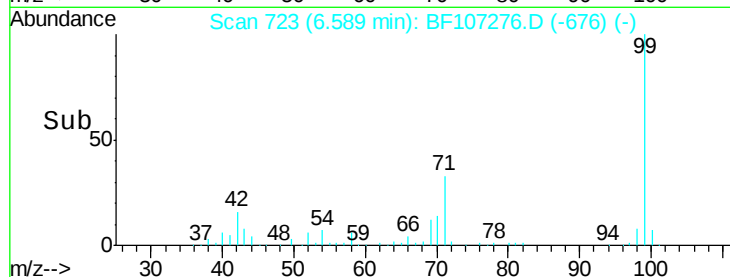
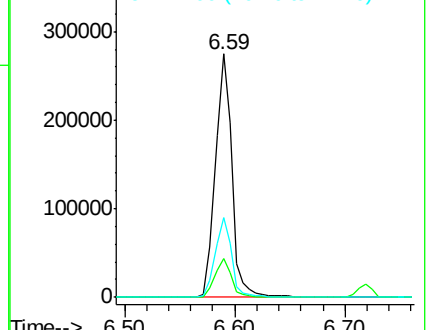
99 100

42 15.9 14.5 21.7

71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.402 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

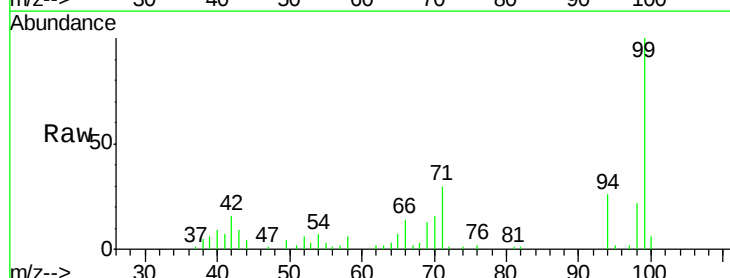
Tgt Ion: 94 Resp: 7916

Ion Ratio Lower Upper

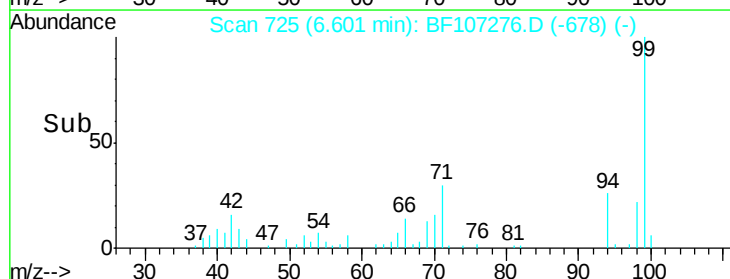
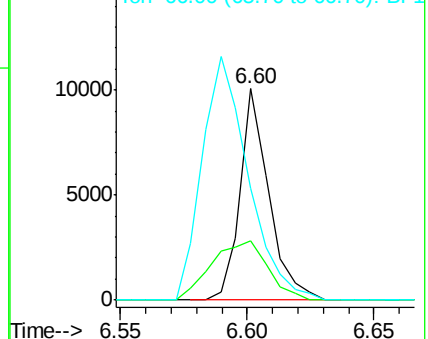
94 100

65 28.0 7.9 47.9

66 52.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

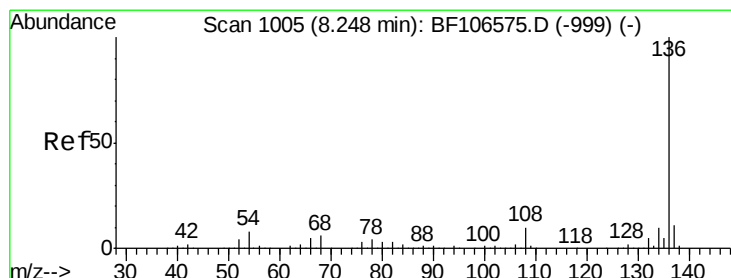
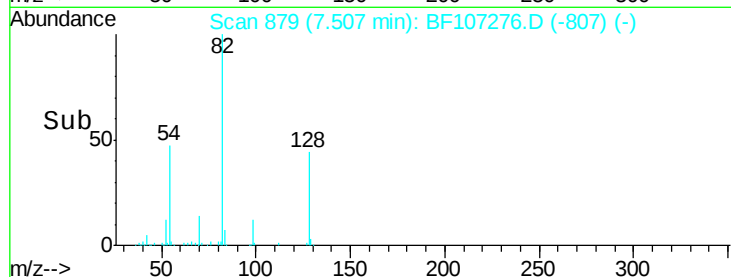
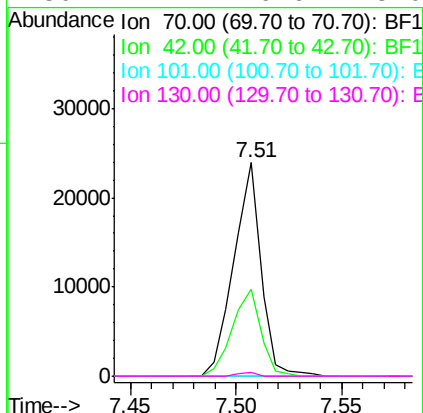
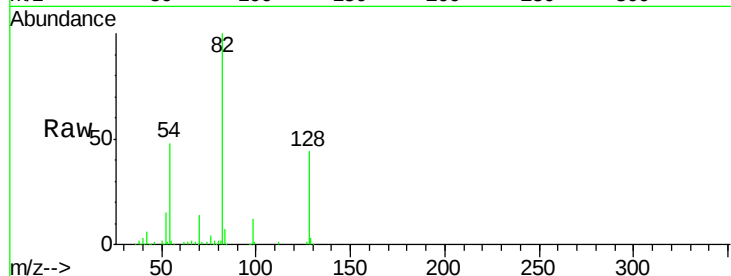




#19
n-Nitroso-di-n-propylamine
Concen: 11.199 ng
RT: 7.51 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

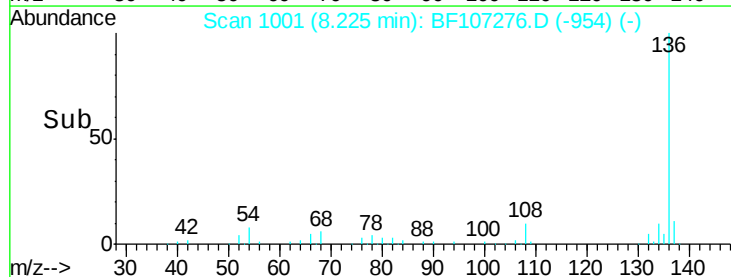
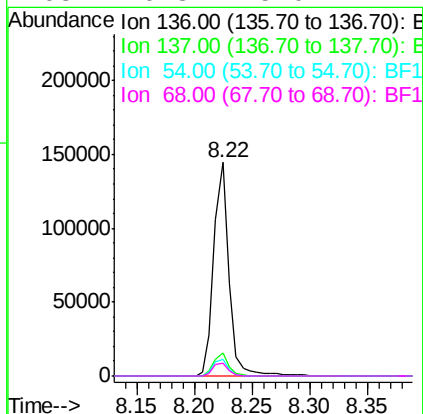
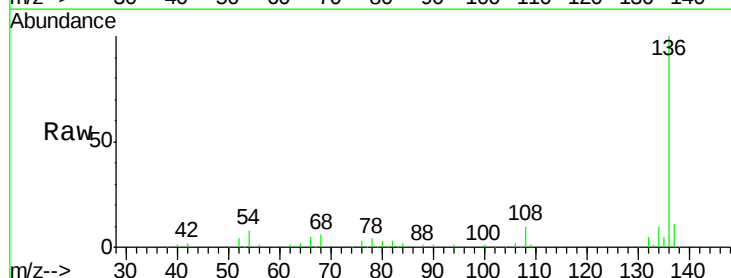
Instrument :
BNA_F
ClientSampleId :
TP-9-S

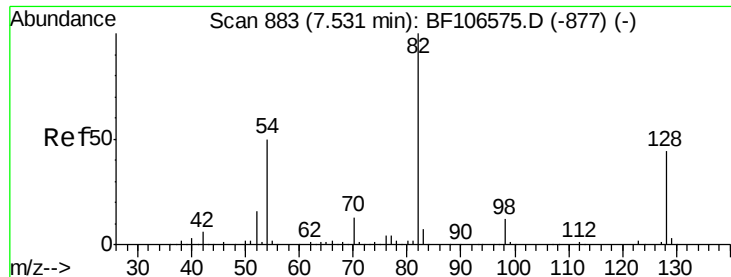
Tgt Ion: 70 Resp: 21322
Ion Ratio Lower Upper
70 100
42 41.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion: 136 Resp: 133203
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.6 9.8
68 6.3 5.0 7.4

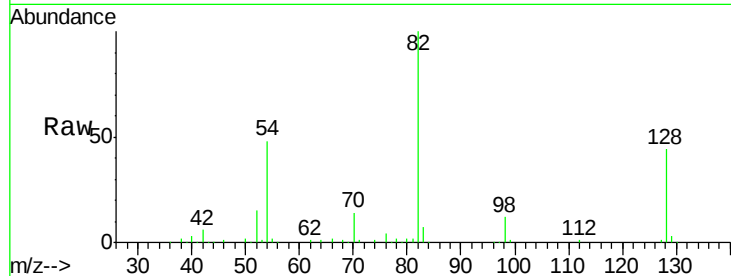




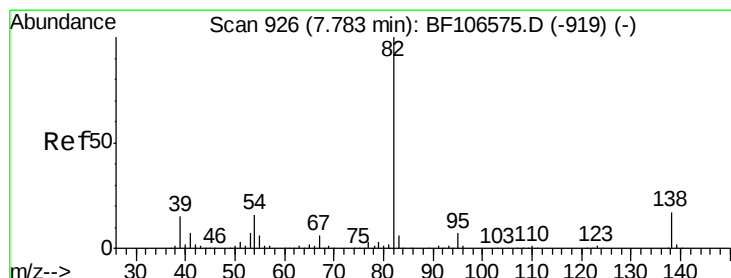
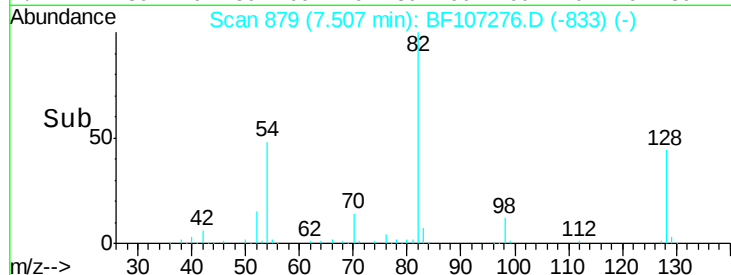
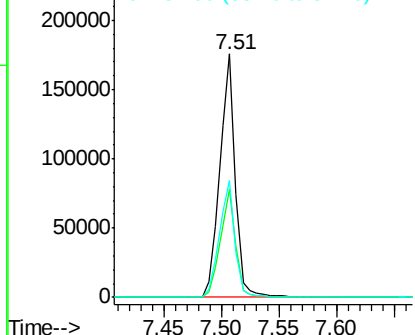
#23
 Nitrobenzene-d5
 Concen: 68.441 ng
 RT: 7.51 min Scan# 879
 Delta R.T. -0.03 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampled :
 TP-9-S

Tgt Ion: 82 Resp: 164045
 Ion Ratio Lower Upper
 82 100
 128 44.4 36.1 54.1
 54 47.8 41.4 62.2

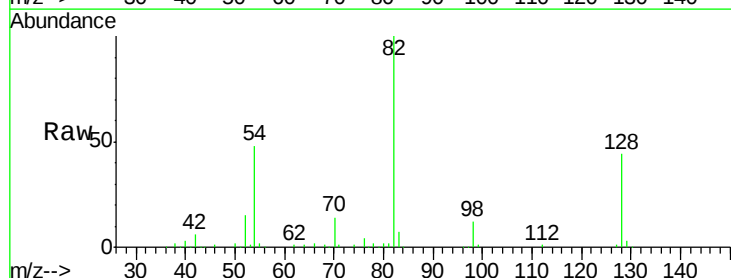


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

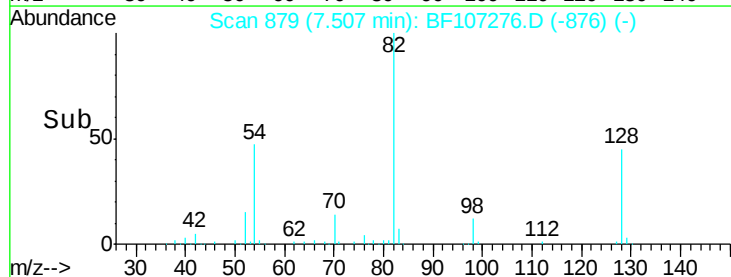
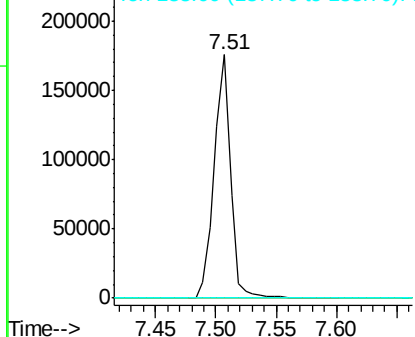


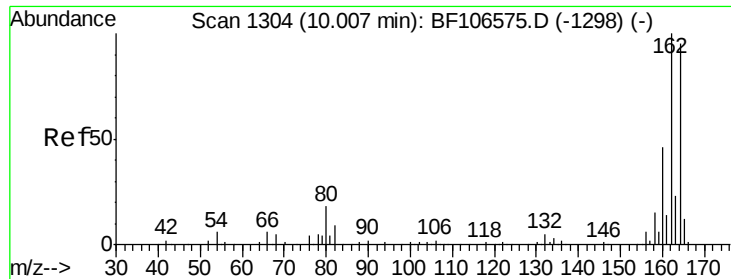
#25
 Isophorone
 Concen: 38.844 ng
 RT: 7.51 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Tgt Ion: 82 Resp: 164065
 Ion Ratio Lower Upper
 82 100
 95 0.0 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: 9.98 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Instrument :

BNA_F

ClientSampleId :

TP-9-S

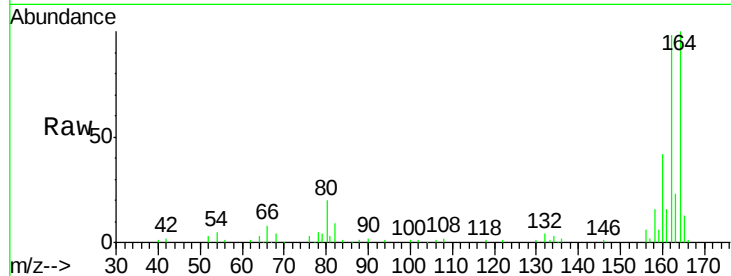
Tgt Ion:164 Resp: 60712

Ion Ratio Lower Upper

164 100

162 97.8 86.1 129.1

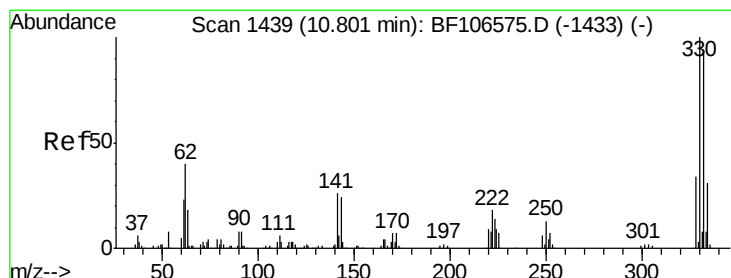
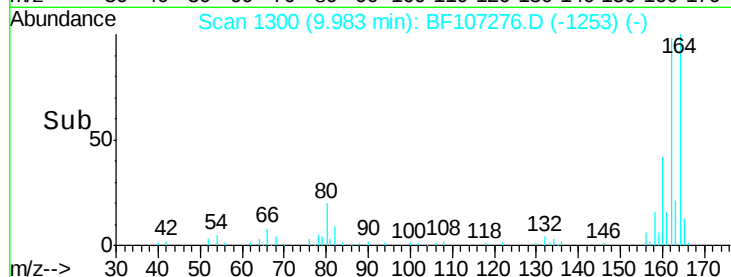
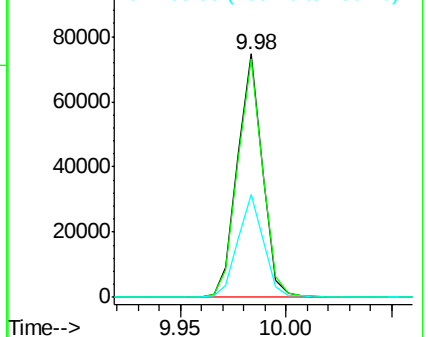
160 42.0 38.3 57.5



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: 112.812 ng

RT: 10.78 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

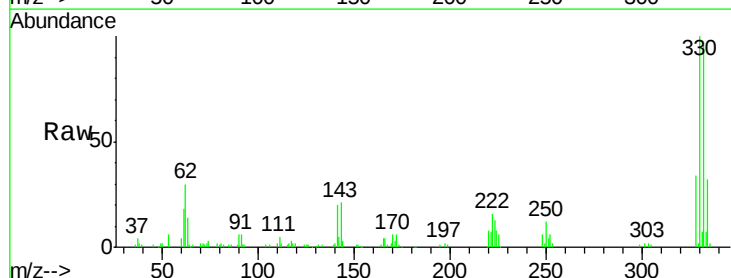
Tgt Ion:330 Resp: 79382

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

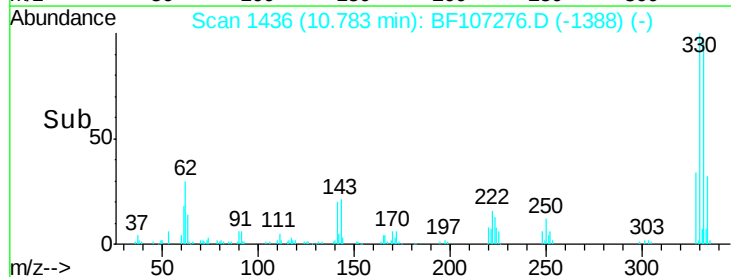
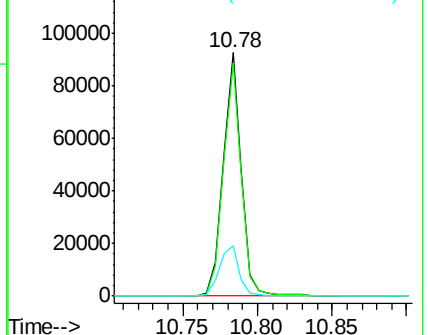
141 22.2 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

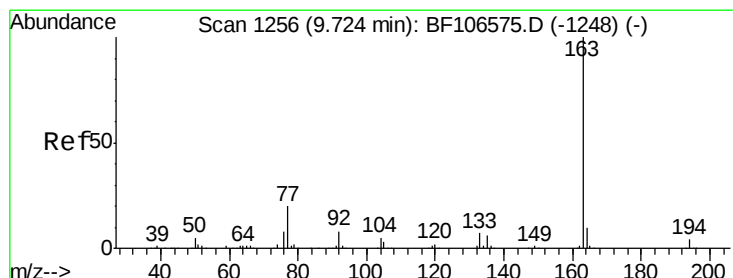
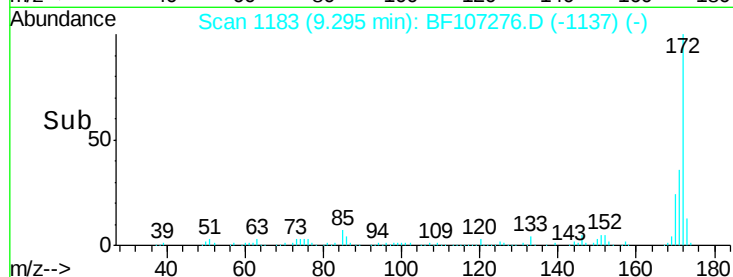
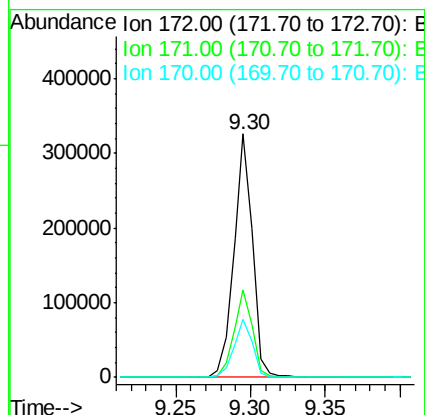
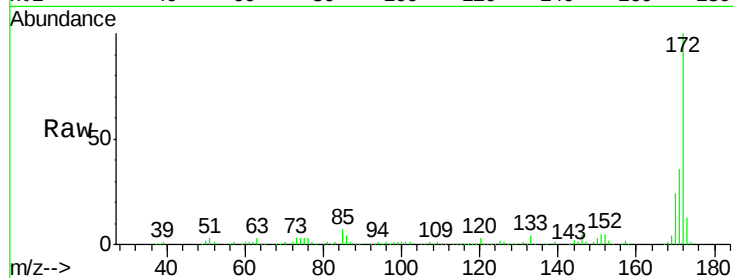




#44
 2-Fluorobiphenyl
 Concen: 78.704 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

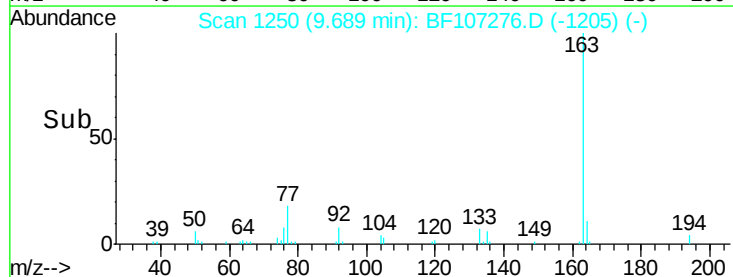
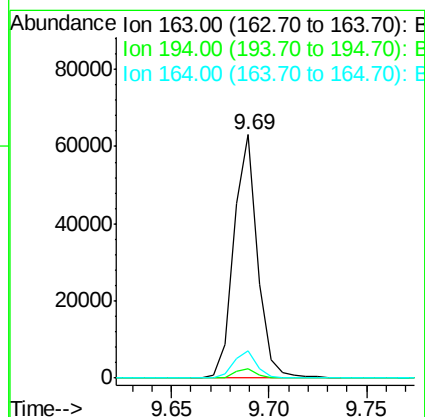
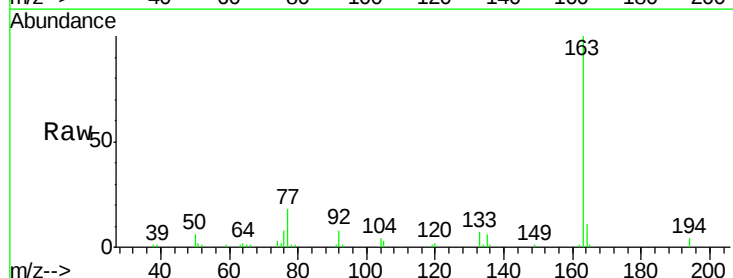
Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Tgt Ion:172 Resp: 286220
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.0 19.6 29.4



#49
 Dimethylphthalate
 Concen: 11.617 ng
 RT: 9.69 min Scan# 1250
 Delta R.T. -0.04 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Tgt Ion:163 Resp: 52899
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.7 4.1
 164 11.0 8.2 12.2

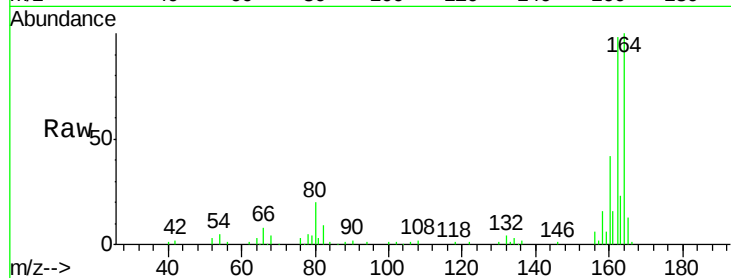




#56
2,4-Dinitrotoluene
Concen: 5.992 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.22 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tgt Ion:	165	Resp:	7541
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

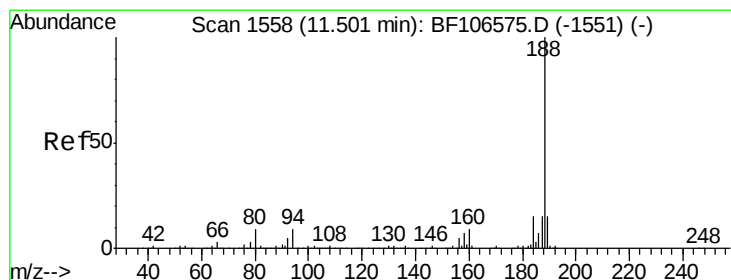
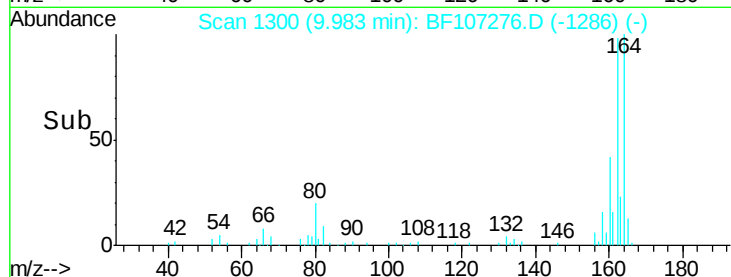
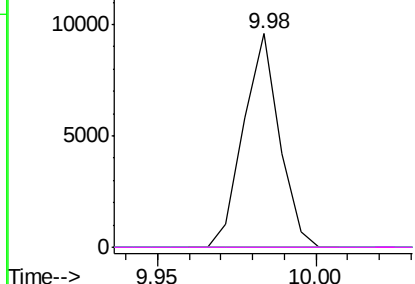


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

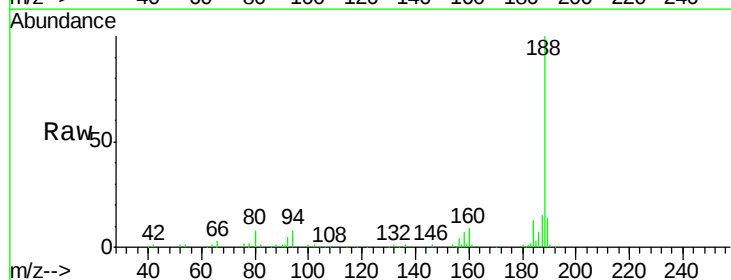
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

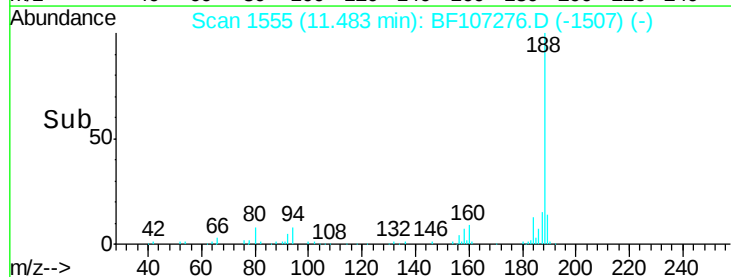
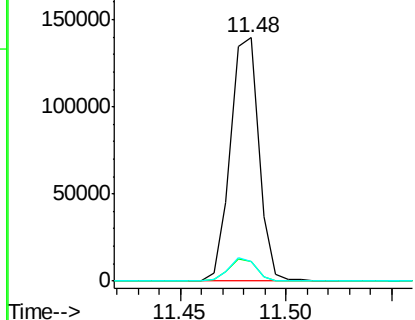
Tgt Ion:	188	Resp:	129350
Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.2	9.2	13.8#



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

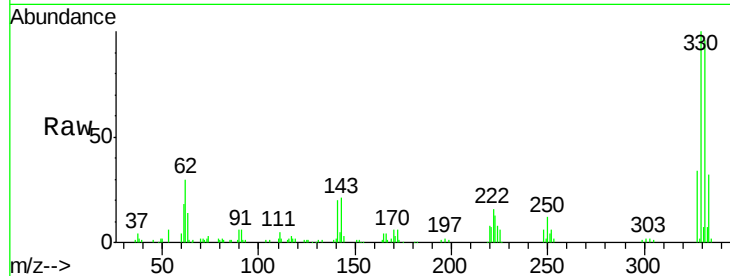




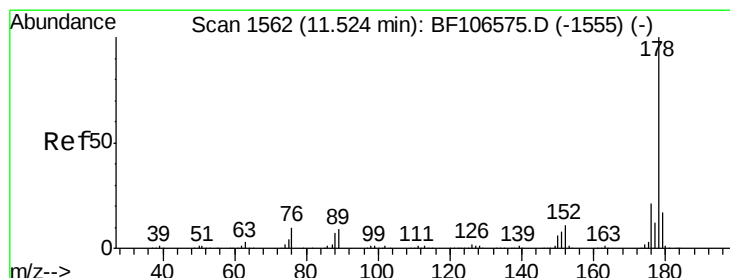
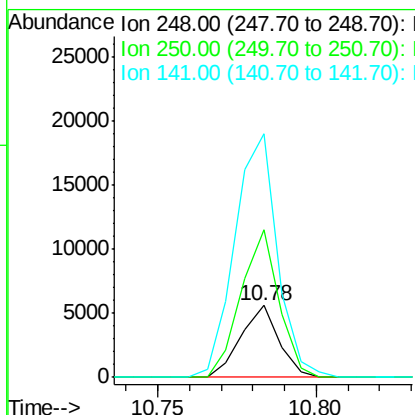
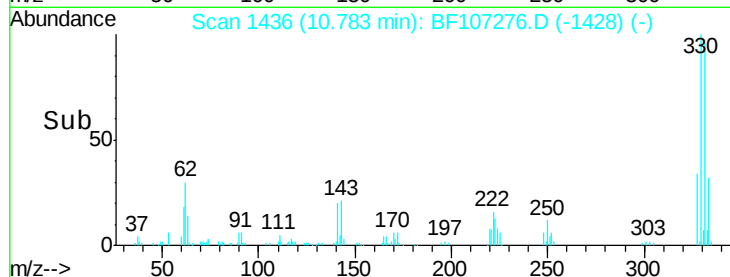
#66
 4-Bromophenyl-phenylether
 Concen: 3.005 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Tgt Ion:248 Resp: 4639
 Ion Ratio Lower Upper
 248 100
 250 204.8 76.9 115.3#
 141 338.3 74.4 111.6#

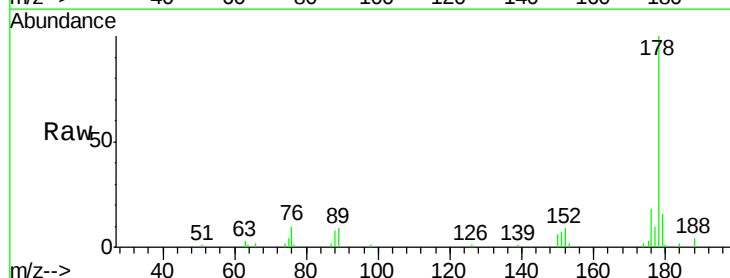


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

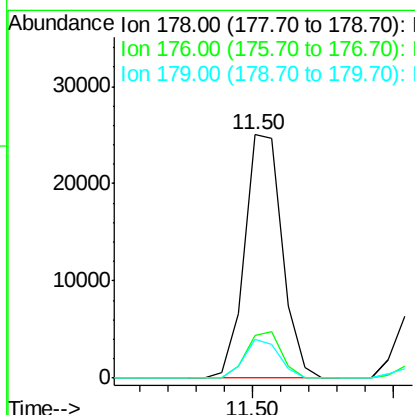
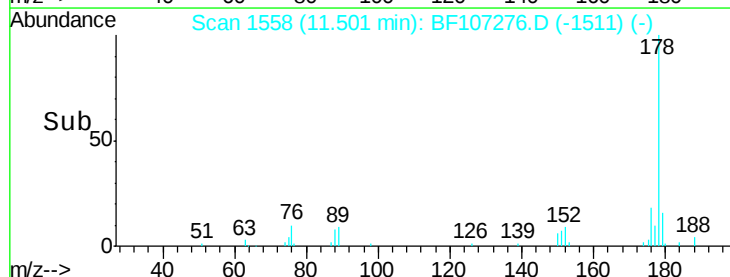


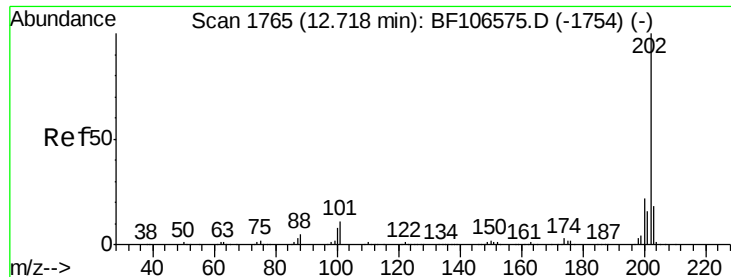
#70
 Phenanthrene
 Concen: 3.695 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.02 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Tgt Ion:178 Resp: 23050
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.8 23.8
 179 16.0 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: 6.207 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Instrument :

BNA_F

ClientSampleId :

TP-9-S

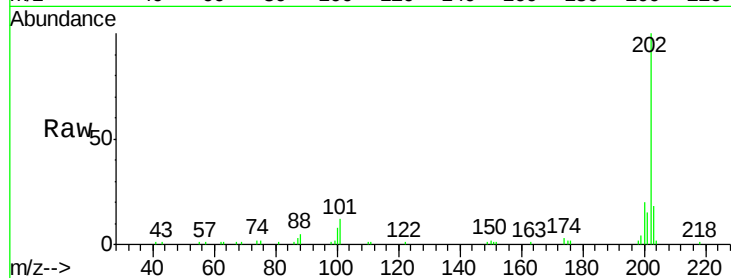
Tgt Ion:202 Resp: 42680

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

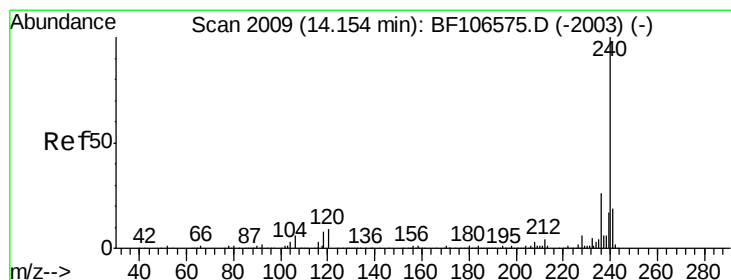
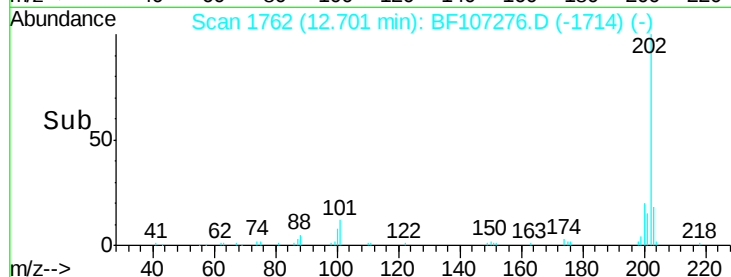
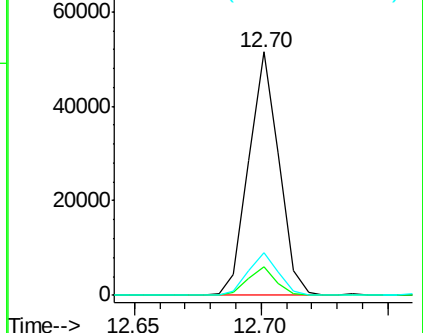
203 17.7 0.0 38.1



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: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

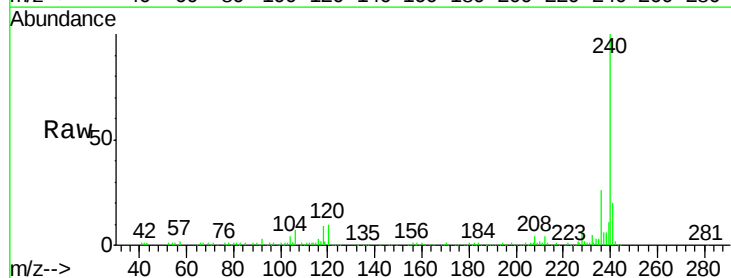
Tgt Ion:240 Resp: 128376

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

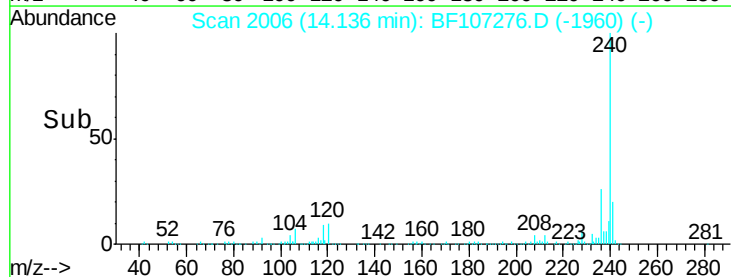
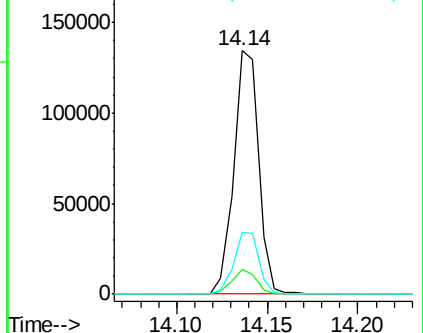
236 25.6 20.7 31.1

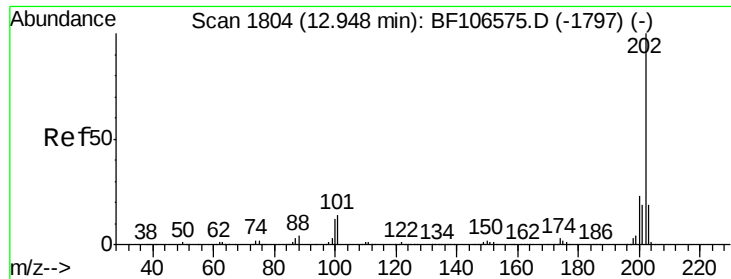


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

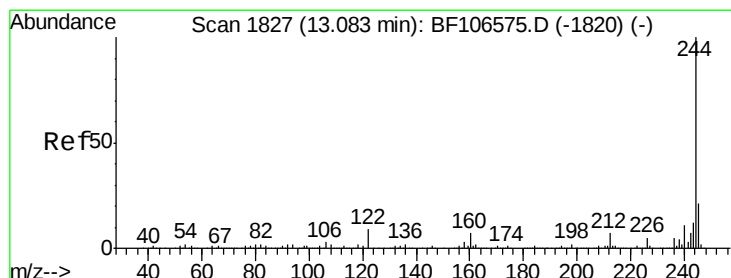
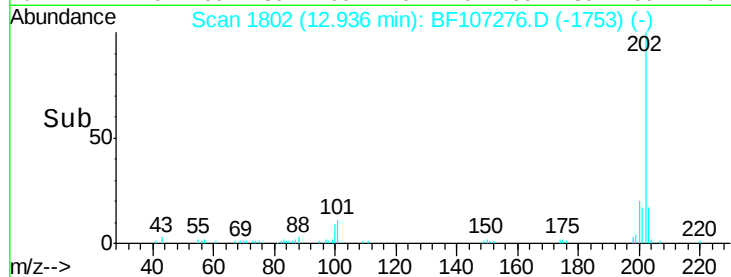
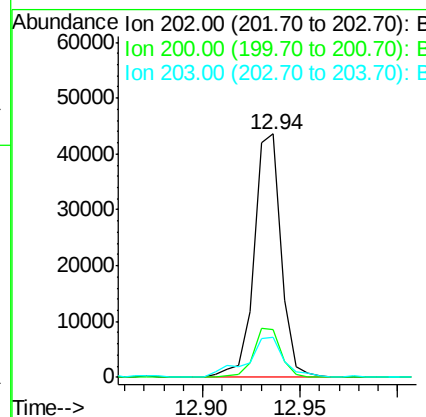
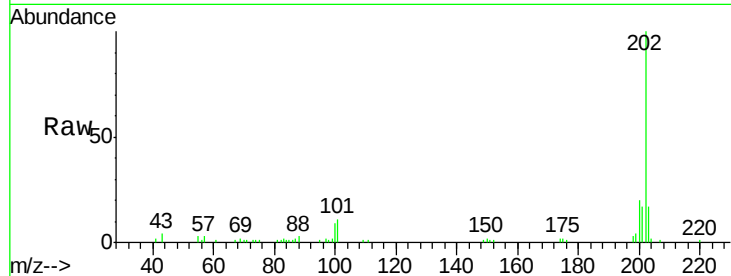




#77
 Pyrene
 Concen: 4.916 ng
 RT: 12.94 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

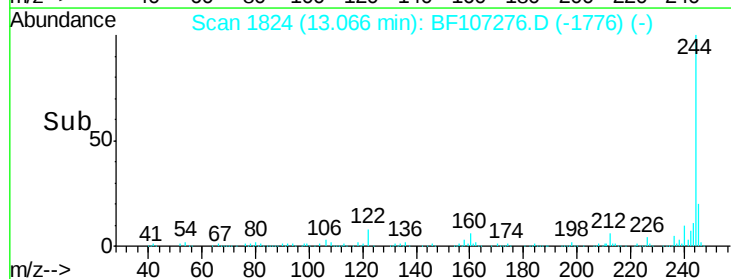
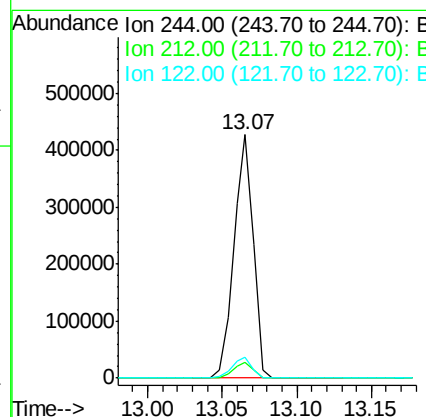
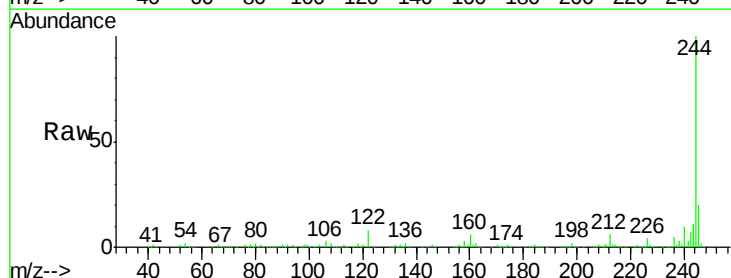
Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

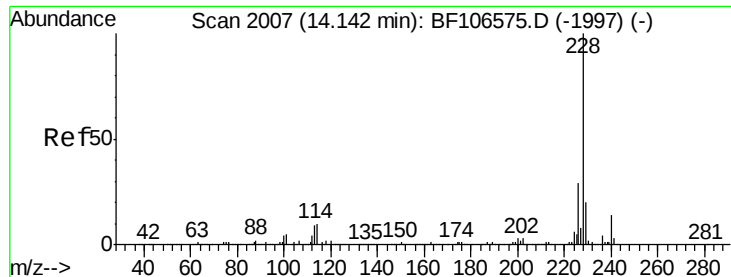
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.4	26.2
203	16.7	14.3	21.5



#78
 Terphenyl-d14
 Concen: 73.971 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.5	11.0	16.4





#80

Benzo(a)anthracene

Concen: 2.976 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

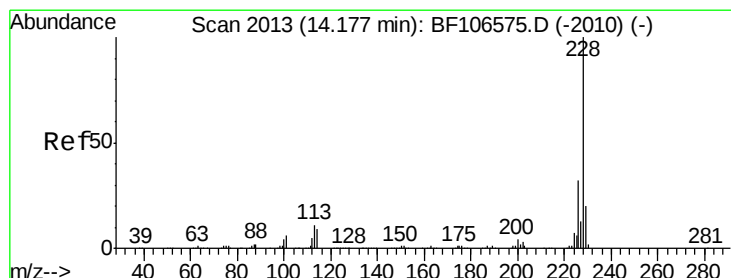
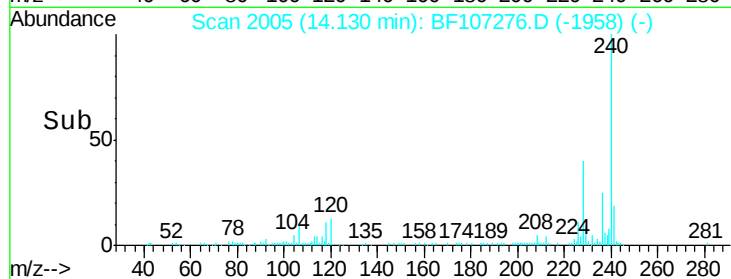
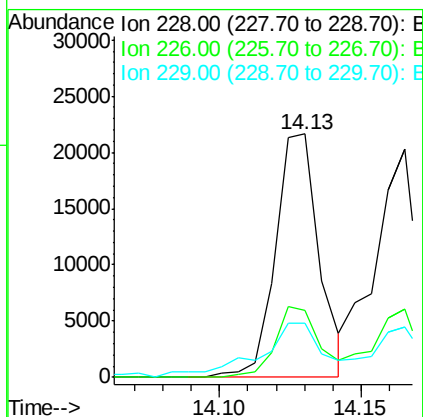
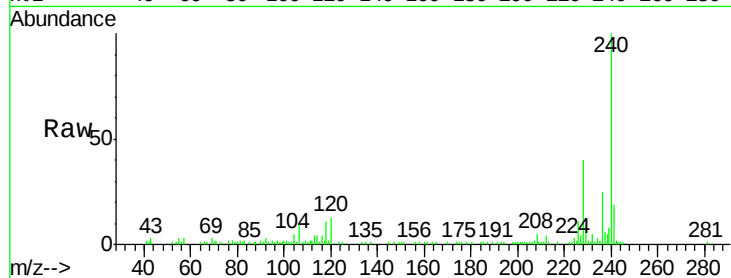
Instrument :

BNA_F

ClientSampleId :

TP-9-S

Tgt Ion:	228	Resp:	23286
Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	22.0	15.8	23.6



#82

Chrysene

Concen: 2.991 ng

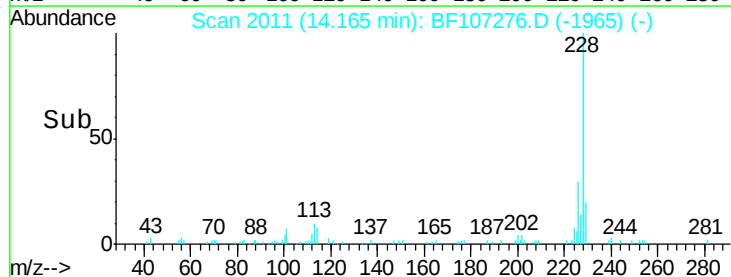
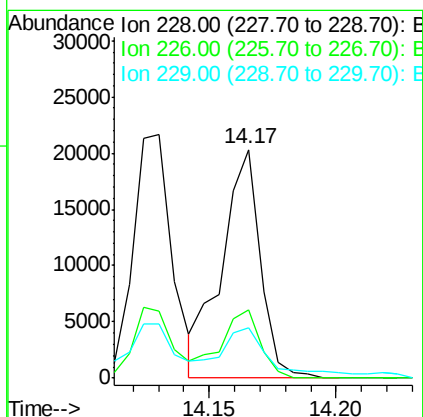
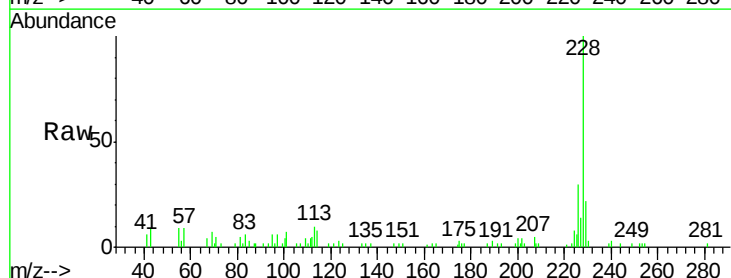
RT: 14.17 min Scan# 2011

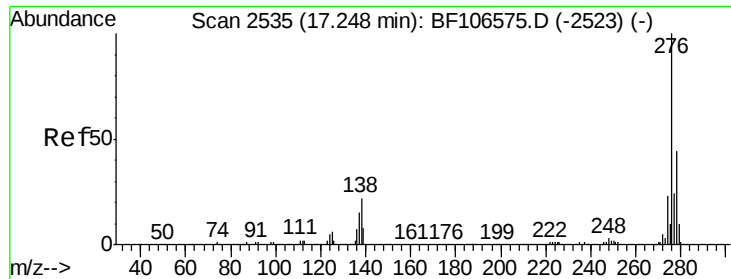
Delta R.T. -0.03 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Tgt Ion:	228	Resp:	21531
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.1	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.364 ng

RT: 17.27 min Scan# 2539

Delta R.T. -0.04 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Instrument :

BNA_F

ClientSampleId :

TP-9-S

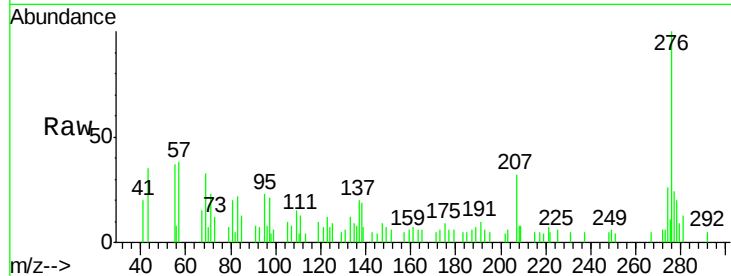
Tgt Ion:276 Resp: 14442

Ion Ratio Lower Upper

276 100

138 21.0 25.0 37.6#

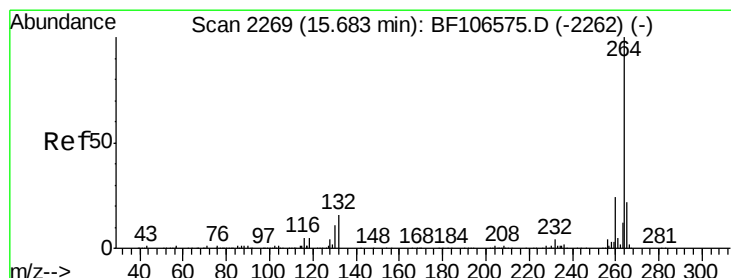
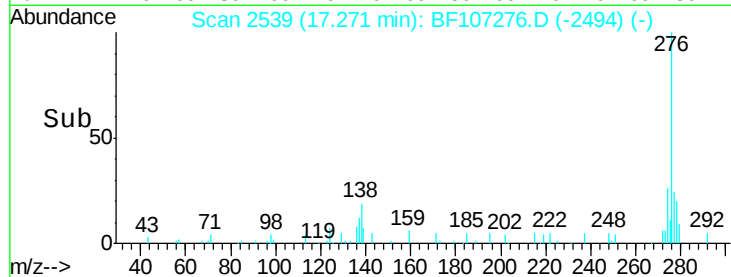
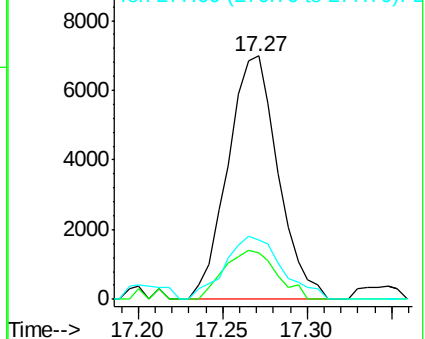
277 29.4 20.1 30.1



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: 15.68 min Scan# 2268

Delta R.T. -0.04 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

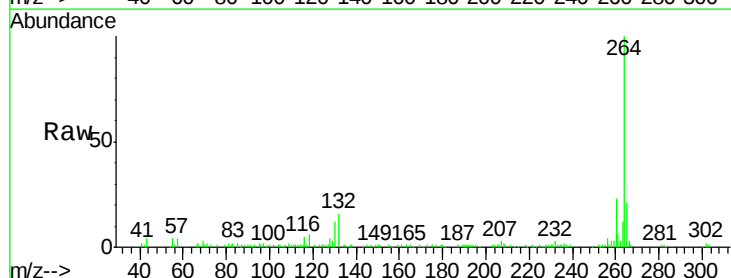
Tgt Ion:264 Resp: 91549

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

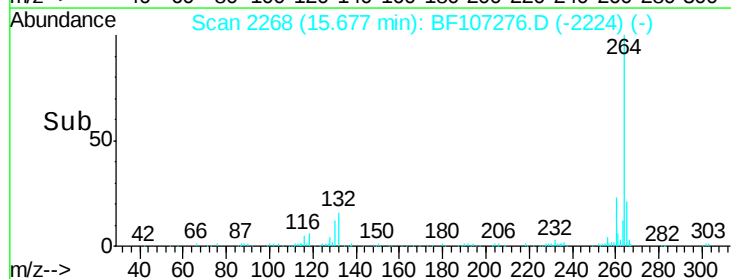
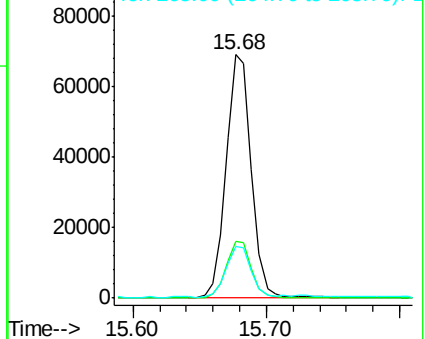
265 21.3 17.5 26.3

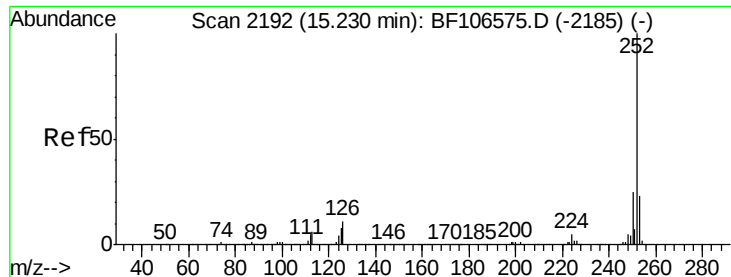


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.592 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Instrument :

BNA_F

ClientSampled :

TP-9-S

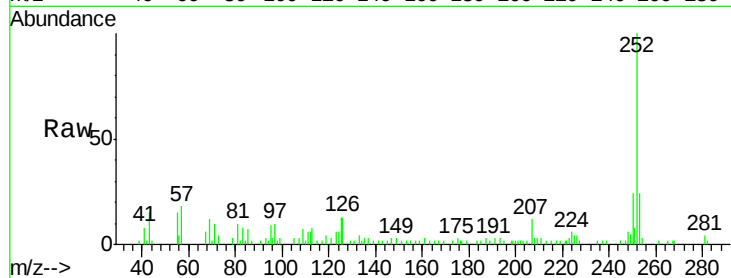
Tgt Ion:252 Resp: 37487

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

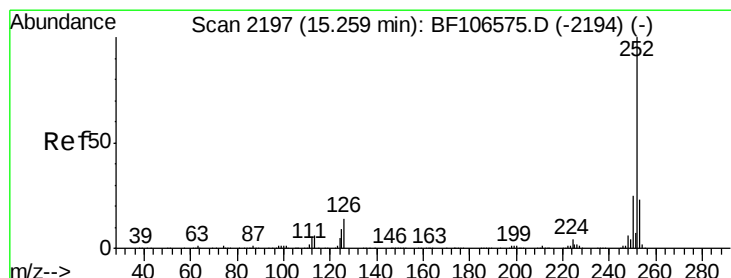
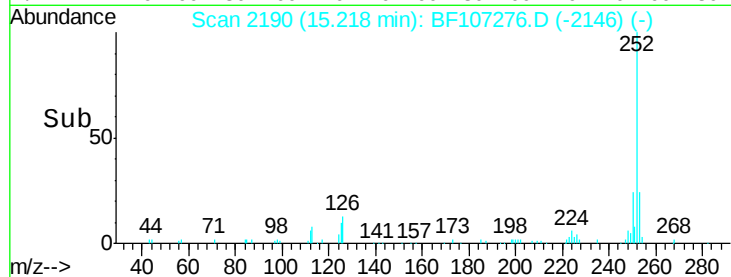
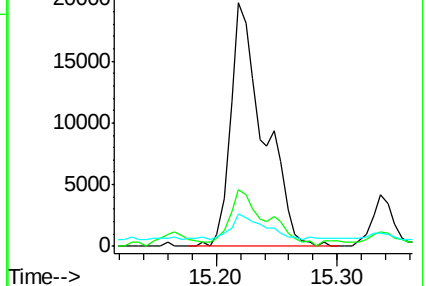
125 13.1 9.0 13.6



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: 6.922 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.08 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

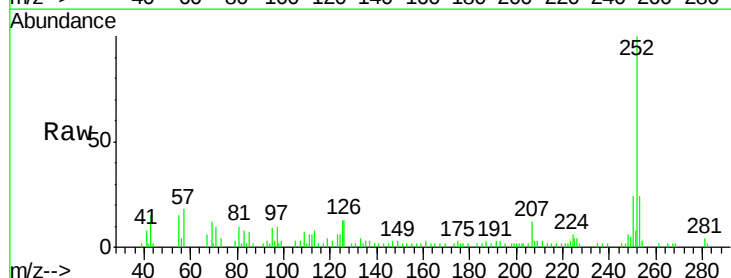
Tgt Ion:252 Resp: 37487

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

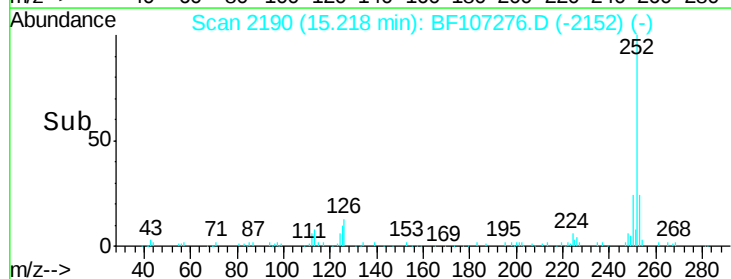
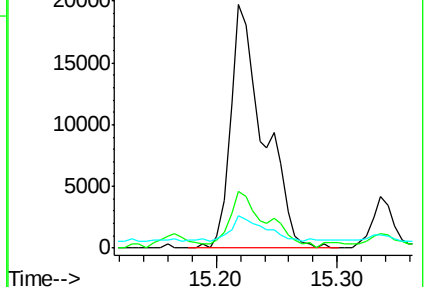
125 13.1 10.2 15.2

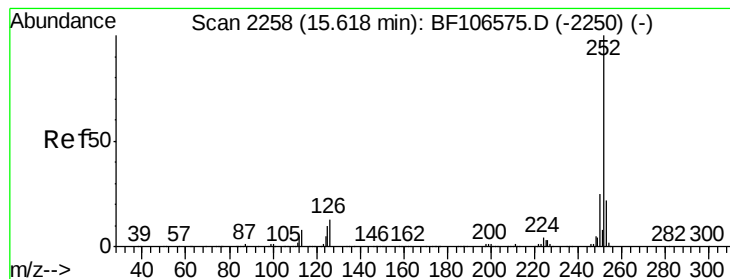


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

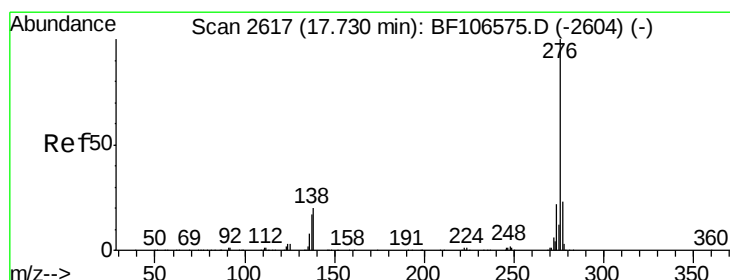
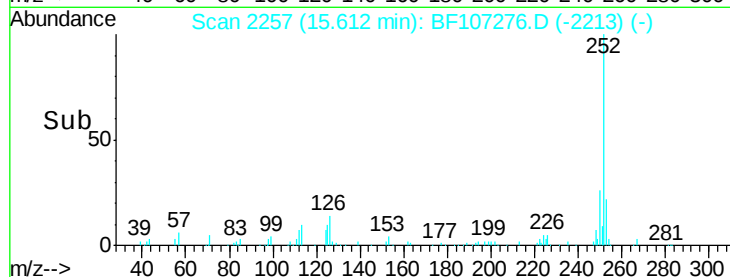
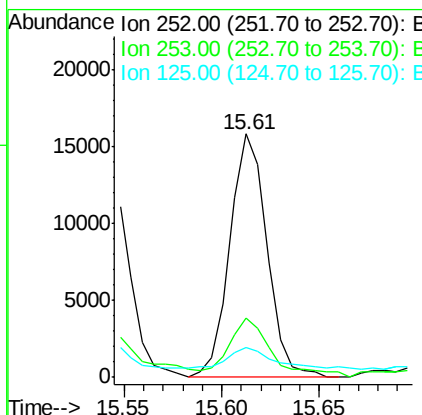
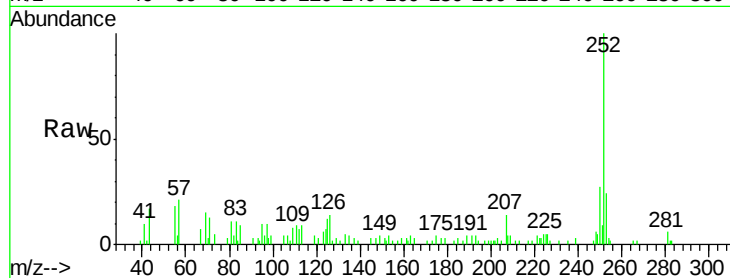




#89
Benzo(a)pyrene
Concen: 4.133 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tgt Ion: 252 Resp: 20895
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 12.3 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 3.279 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.04 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion: 276 Resp: 13730
Ion Ratio Lower Upper
276 100
277 26.4 17.9 26.9
138 21.1 21.8 32.8#

