

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013019\
 Data File : BF112327.D
 Acq On : 30 Jan 2019 17:46
 Operator : JU/SJ
 Sample : K1282-25
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Jan 30 23:44:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	169020	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	635463	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	293879	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	503299	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	356968	20.00	ng	-0.01
87) Perylene-d12	15.47	264	359350	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	880962	110.71	ng	0.00
7) Phenol-d6	6.49	99	1089362	98.52	ng	0.00
23) Nitrobenzene-d5	7.40	82	705883	64.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	266902	78.03	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1173123	56.46	ng	-0.01
79) Terphenyl-d14	12.94	244	851597	44.93	ng	-0.01

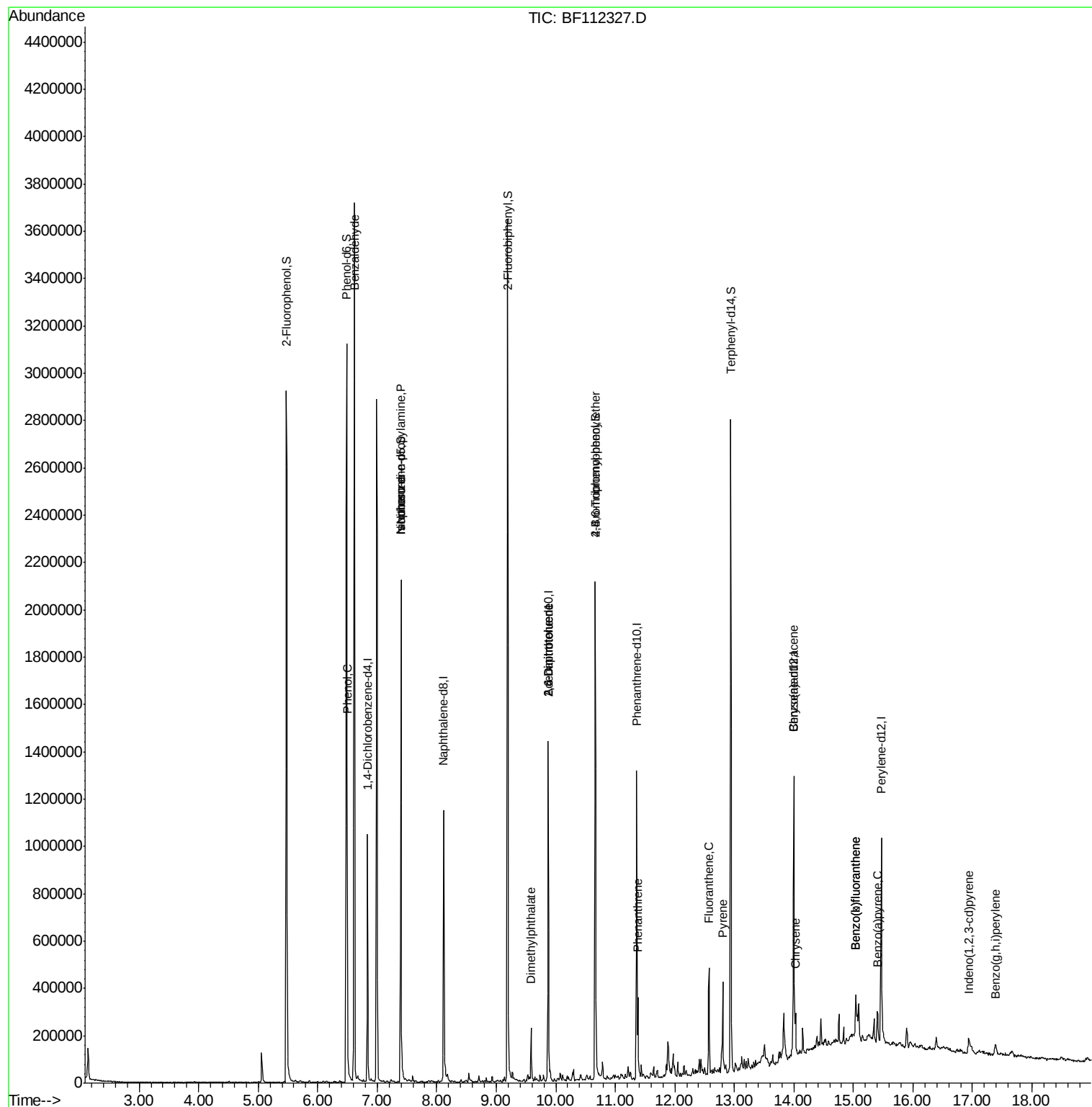
Target Compounds				Qvalue		
9) Benzaldehyde	6.62	77	21158	3.661	ng	80
10) Phenol	6.50	94	57240	4.718	ng	78
19) n-Nitroso-di-n-propylamine	7.40	70	96391	12.642	ng	# 75
25) Isophorone	7.40	82	691710	39.980	ng	# 64
50) Dimethylphthalate	9.59	163	96646	4.233	ng	99
51) 2,6-Dinitrotoluene	9.87	165	38924	7.612	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	38924	5.979	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	16416	2.773	ng	# 1
71) Phenanthrene	11.38	178	121622	4.648	ng	96
75) Fluoranthene	12.57	202	165669	5.903	ng	98
78) Pyrene	12.80	202	152115	6.155	ng	98
81) Benzo(a)anthracene	13.99	228	73815	3.518	ng	98
83) Chrysene	14.03	228	69957	3.492	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	33365	2.102	ng	# 92
88) Benzo(b)fluoranthene	15.04	252	121040	5.632	ng	98
89) Benzo(k)fluoranthene	15.04	252	121040	5.880	ng	99
90) Benzo(a)pyrene	15.40	252	62757	3.245	ng	# 97
92) Benzo(g,h,i)perylene	17.39	276	34832	2.369	ng	99

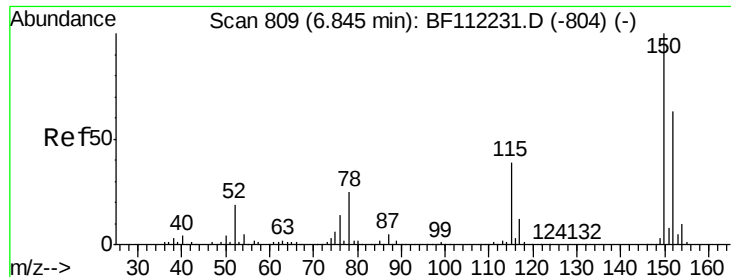
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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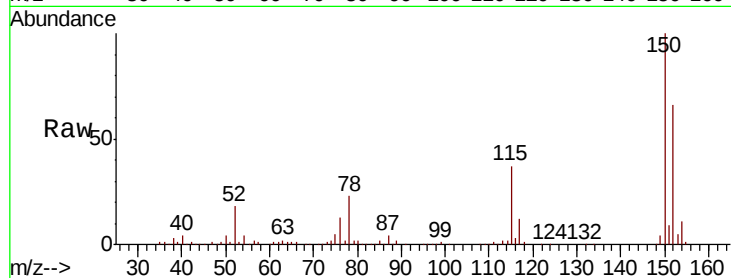


#1

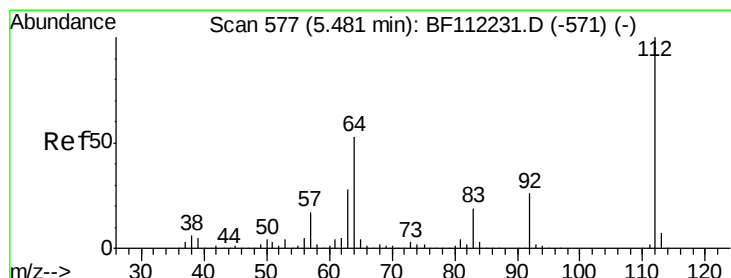
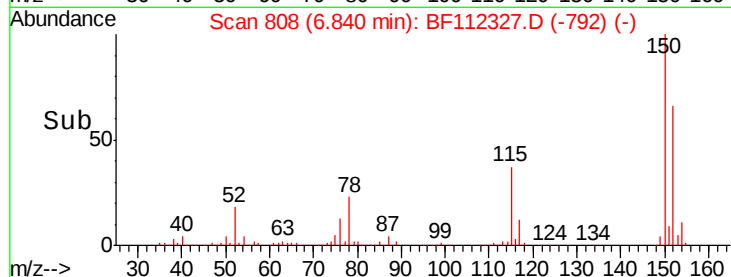
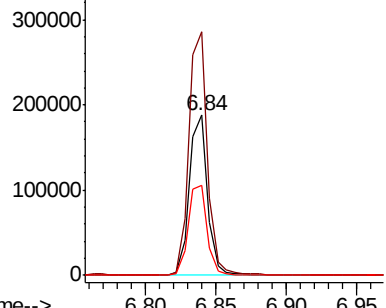
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:152 Resp: 169020
Ion Ratio Lower Upper
152 100
150 152.3 127.4 191.0
115 56.4 45.5 68.3



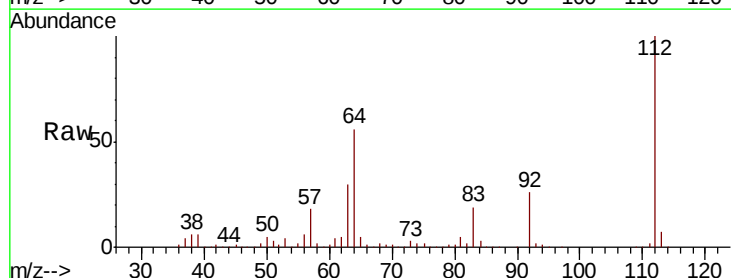
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



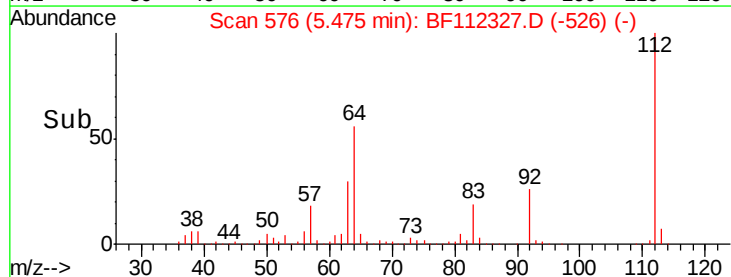
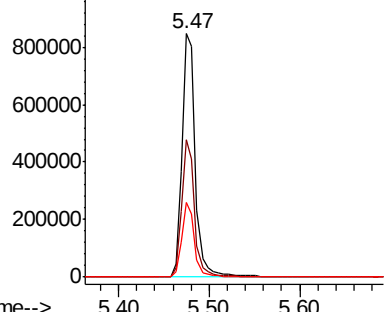
#5

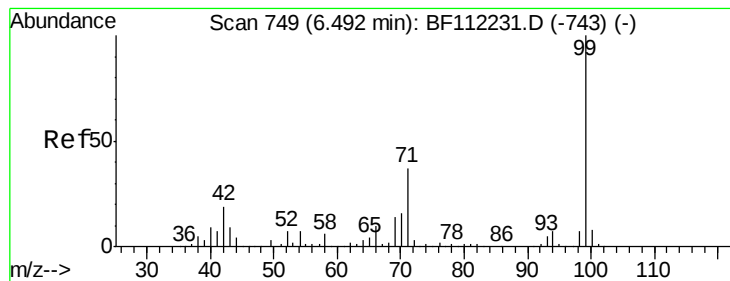
2-Fluorophenol
Concen: 110.710 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Tgt Ion:112 Resp: 880962
Ion Ratio Lower Upper
112 100
64 56.2 45.7 68.5
63 30.5 23.6 35.4



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: 98.521 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

Instrument :

BNA_F

ClientSampled :

TP-7

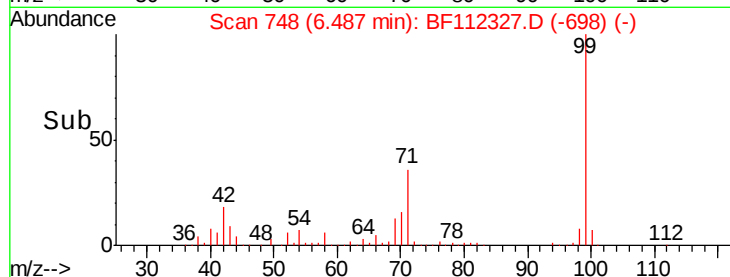
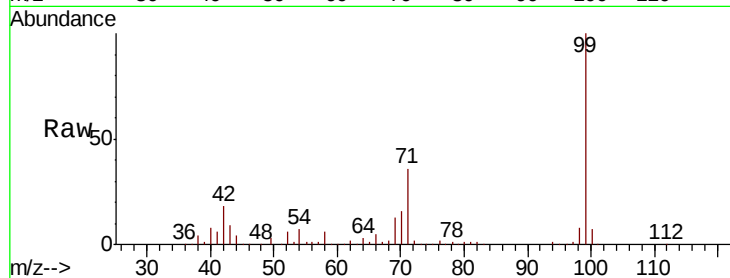
Tgt Ion: 99 Resp: 1089362

Ion Ratio Lower Upper

99 100

42 18.4 15.1 22.7

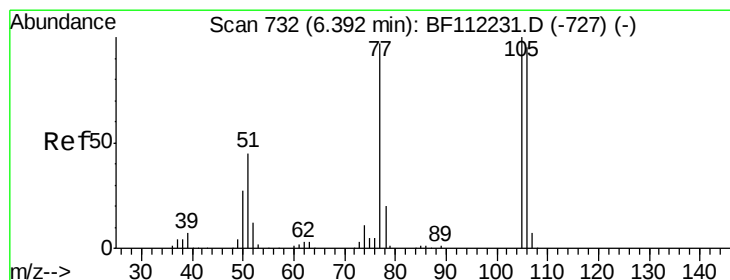
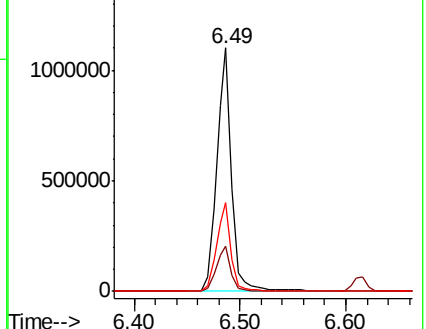
71 36.5 26.9 40.3



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



#9

Benzaldehyde

Concen: 3.661 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

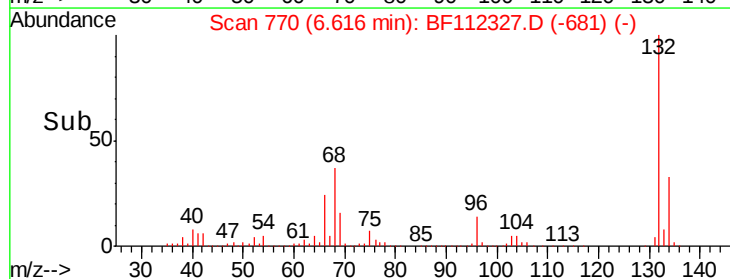
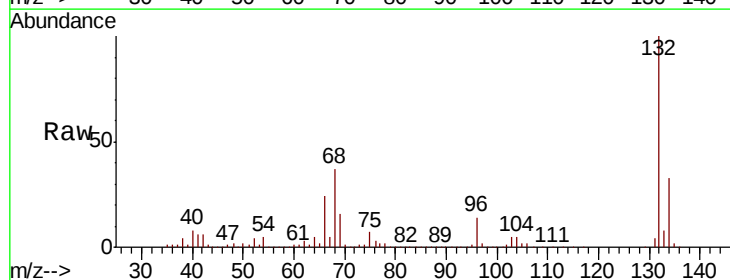
Tgt Ion: 77 Resp: 21158

Ion Ratio Lower Upper

77 100

105 81.7 80.8 120.8

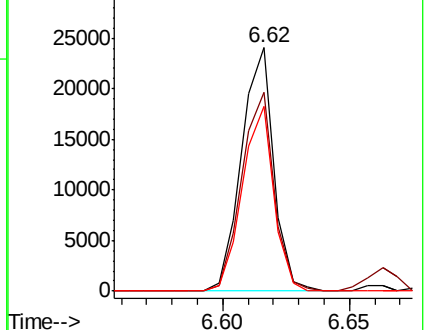
106 75.7 75.7 115.7

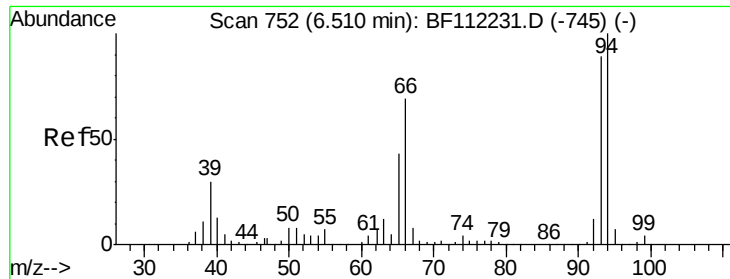


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.718 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

Instrument :

BNA_F

ClientSampleId :

TP-7

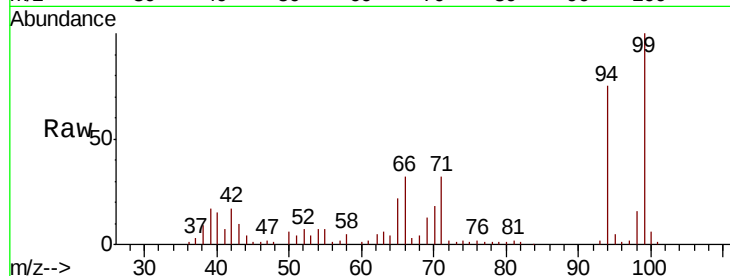
Tgt Ion: 94 Resp: 57240

Ion Ratio Lower Upper

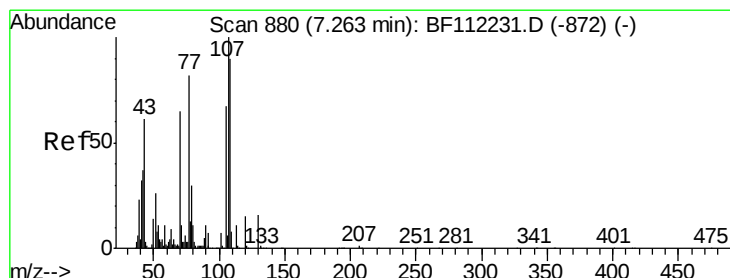
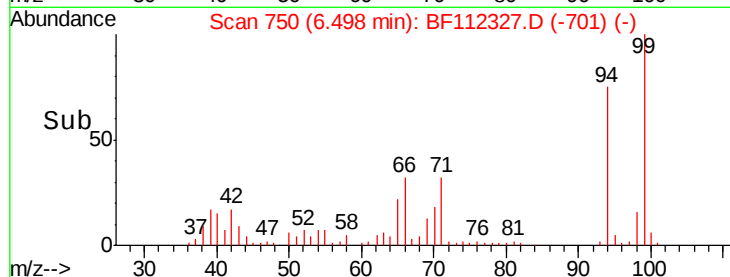
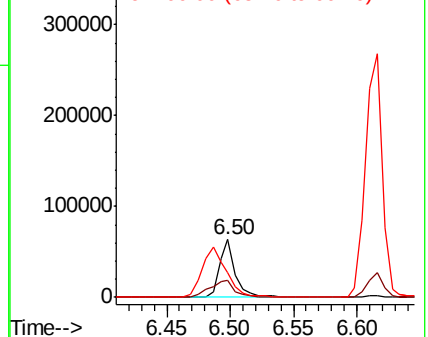
94 100

65 29.4 20.3 60.3

66 43.0 42.4 82.4



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: 12.642 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

Tgt Ion: 70 Resp: 96391

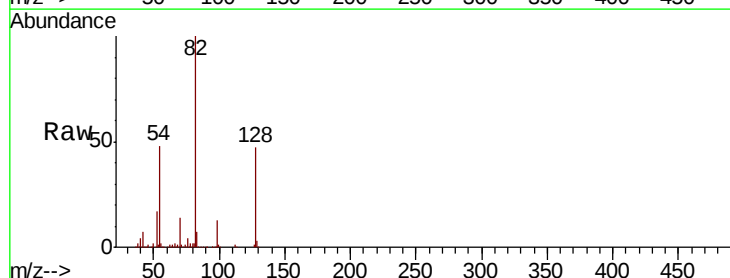
Ion Ratio Lower Upper

70 100

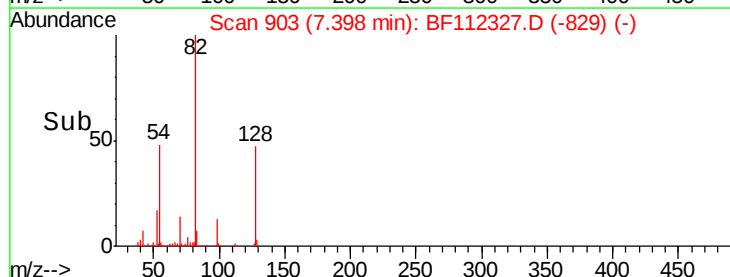
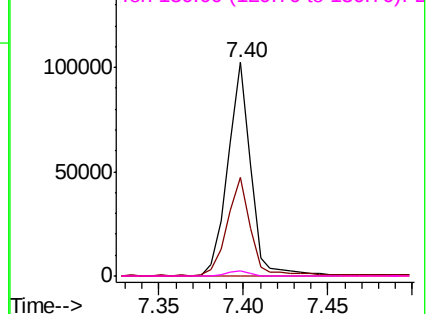
42 46.3 47.6 71.4#

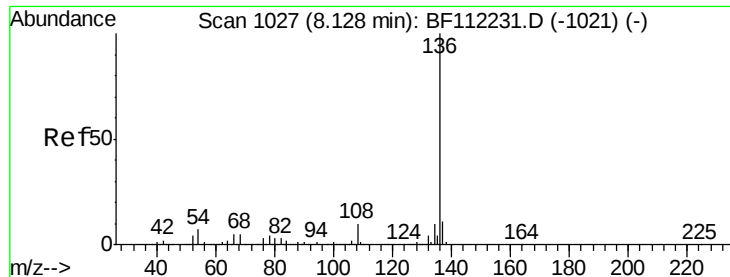
101 0.0 7.9 11.9#

130 2.2 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

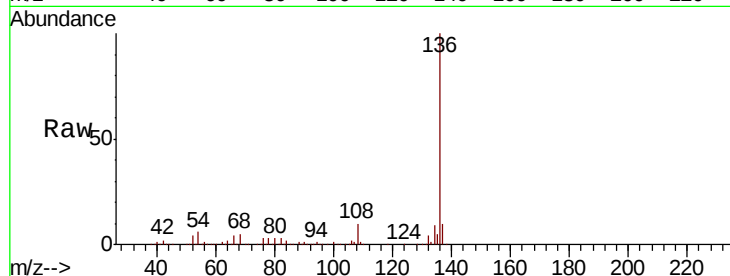




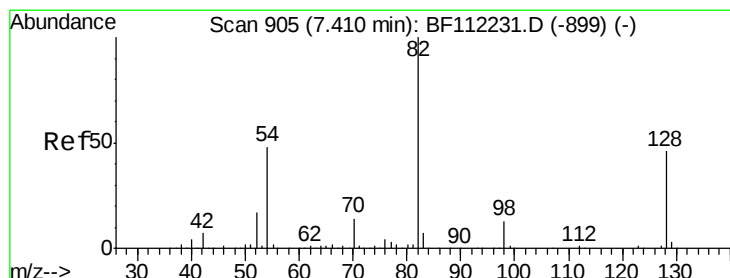
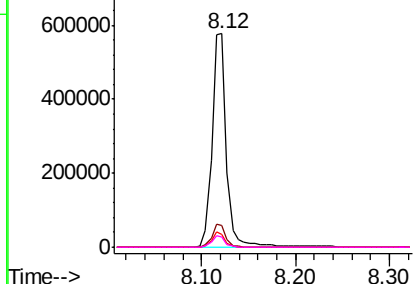
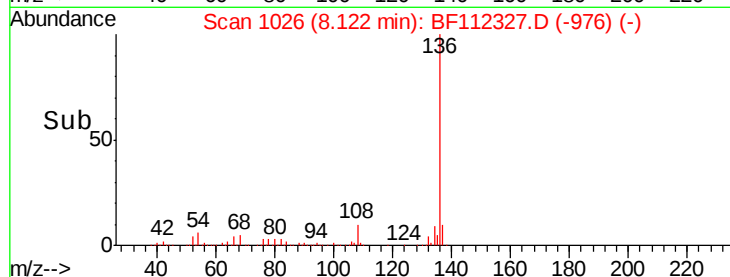
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:	136	Resp:	635463
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	6.0	5.9	8.9
68	4.7	5.1	7.7#

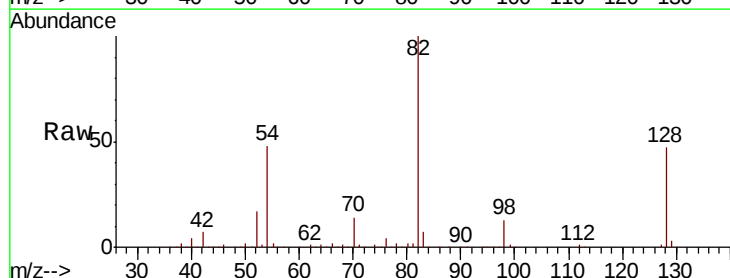


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

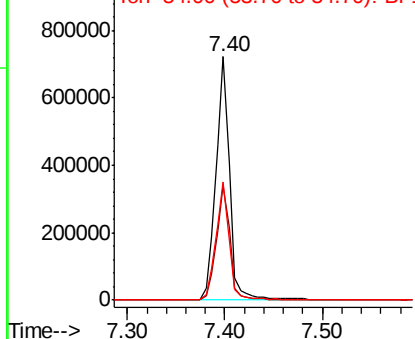
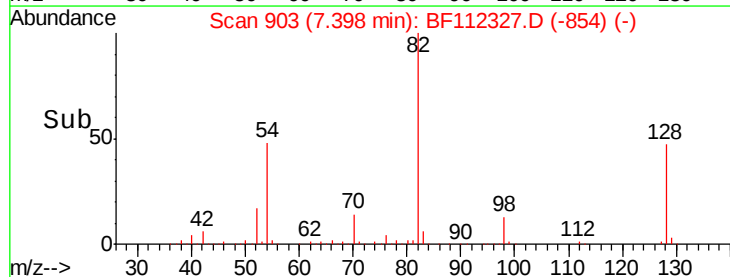


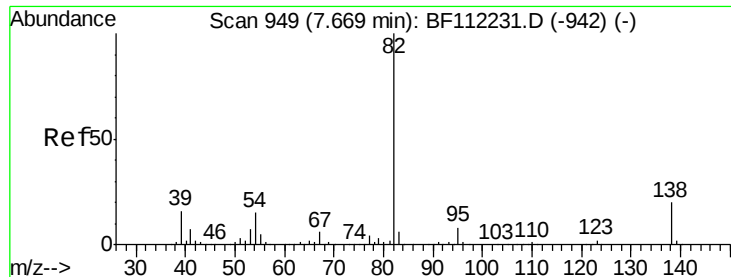
#23
Nitrobenzene-d5
Concen: 64.005 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Tgt Ion:	82	Resp:	705883
Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.8	56.8
54	48.5	39.7	59.5



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: 39.980 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

Instrument :

BNA_F

ClientSampled :

TP-7

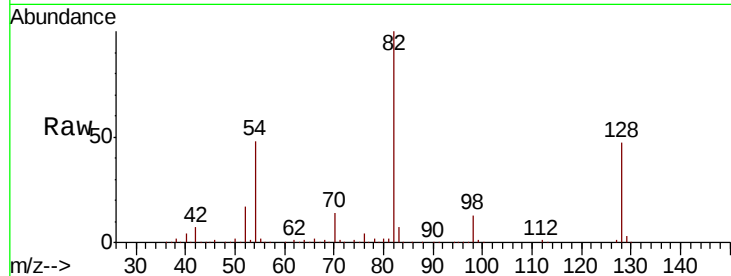
Tgt Ion: 82 Resp: 691710

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

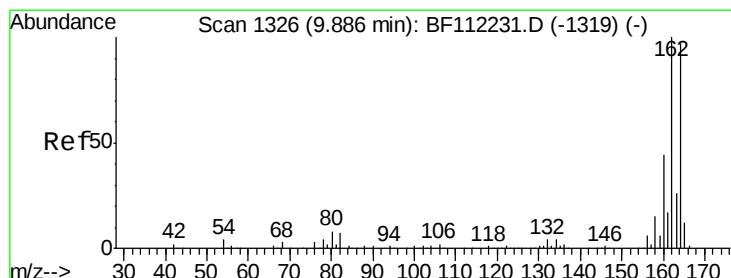
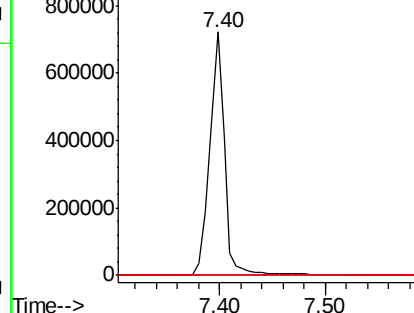
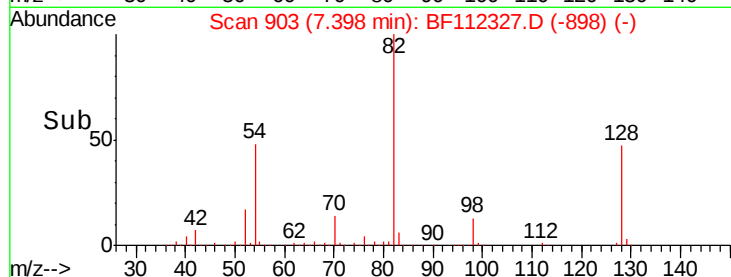
138 0.0 15.4 23.0#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

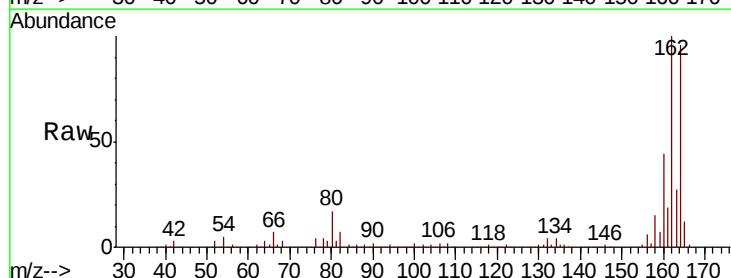
Tgt Ion: 164 Resp: 293879

Ion Ratio Lower Upper

164 100

162 104.4 82.2 123.4

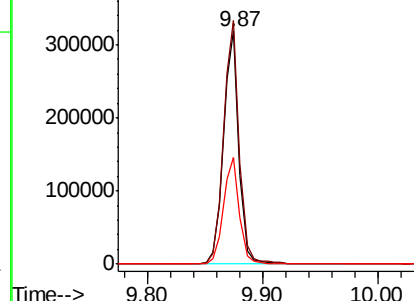
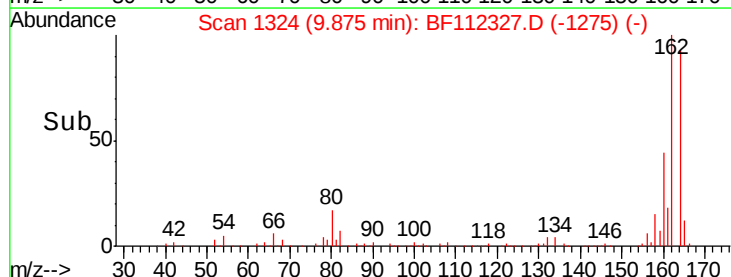
160 45.8 36.2 54.4

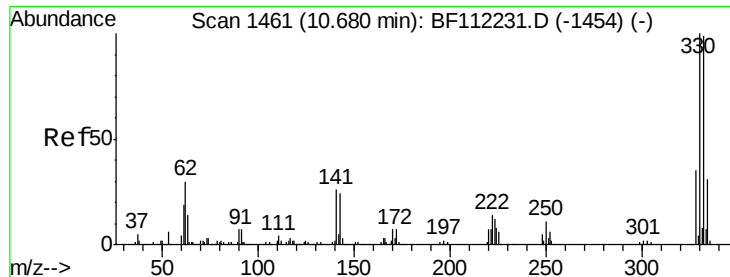


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

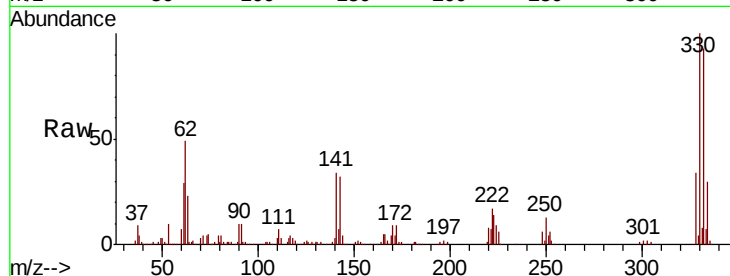




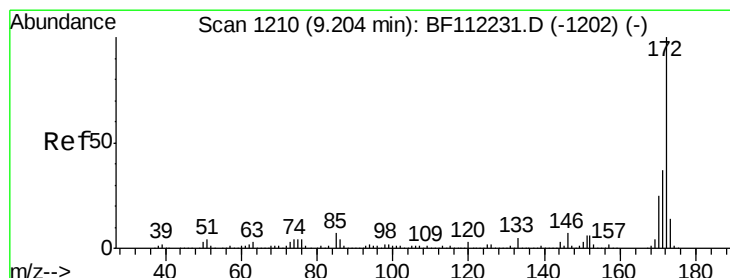
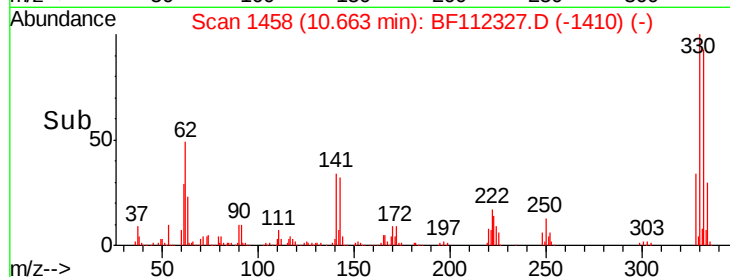
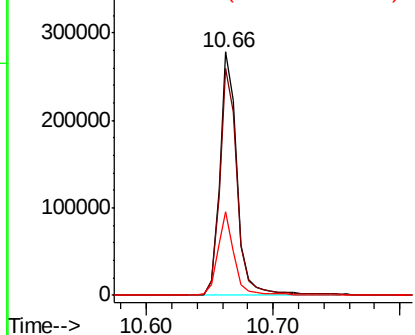
#42
 2,4,6-Tribromophenol
 Concen: 78.026 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112327.D
 Acq: 30 Jan 2019 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.6	114.8
141	32.4	24.3	36.5

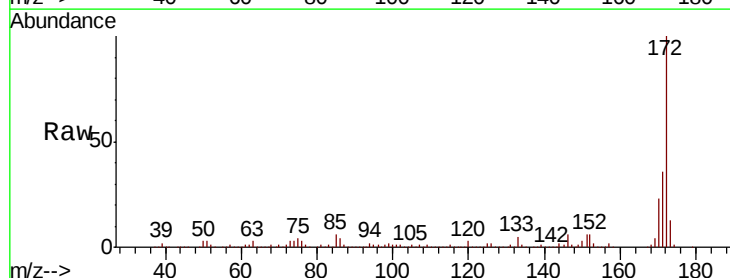


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

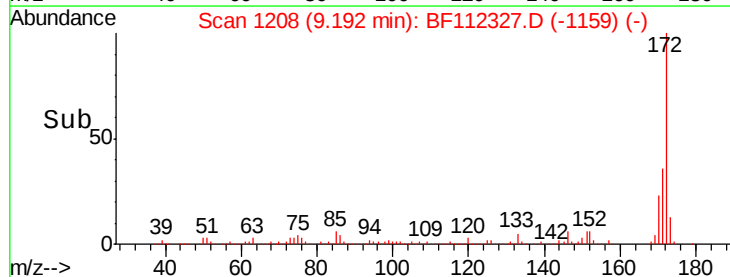
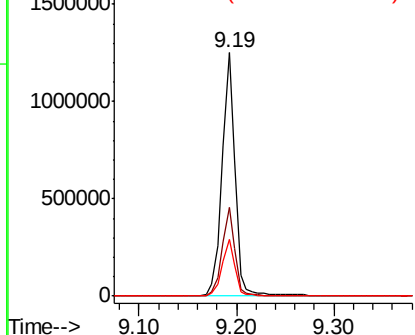


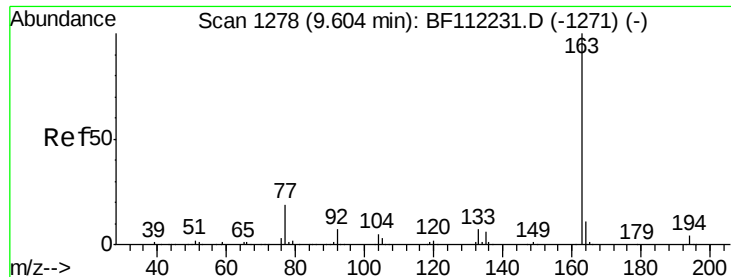
#45
 2-Fluorobiphenyl
 Concen: 56.458 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112327.D
 Acq: 30 Jan 2019 17:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.5	45.7
170	23.4	20.2	30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

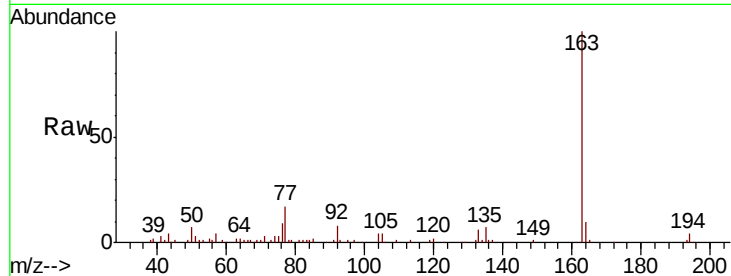




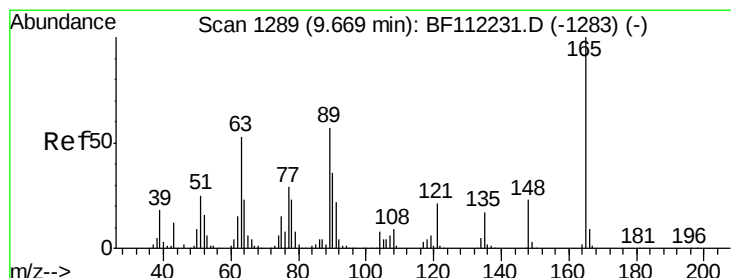
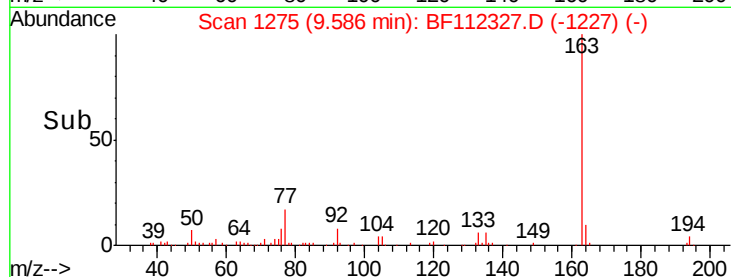
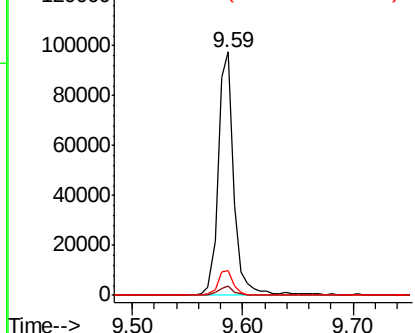
#50
Dimethylphthalate
Concen: 4.233 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:163 Resp: 96646
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.1 8.5 12.7

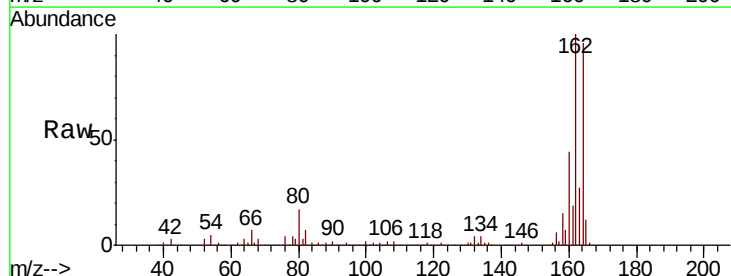


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

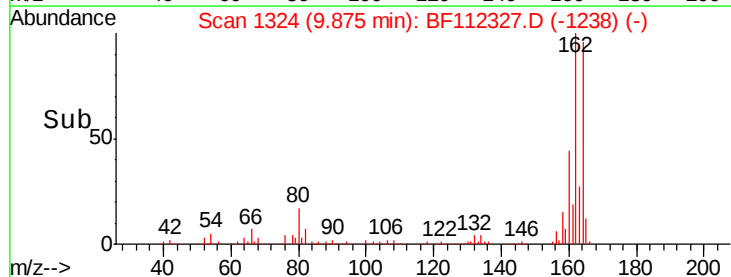
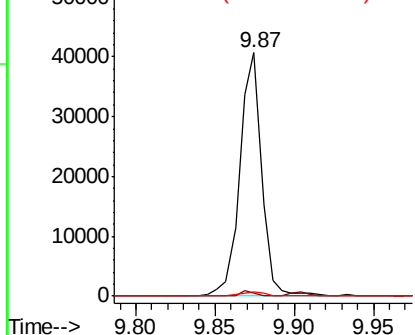


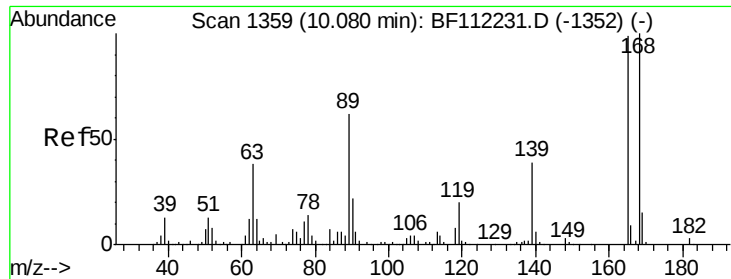
#51
2,6-Dinitrotoluene
Concen: 7.612 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Tgt Ion:165 Resp: 38924
Ion Ratio Lower Upper
165 100
63 1.2 33.8 50.8#
89 1.8 36.9 55.3#



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

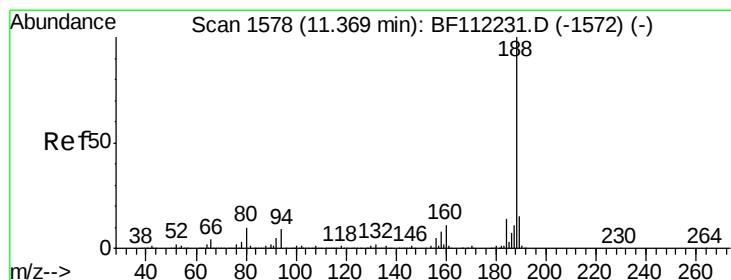
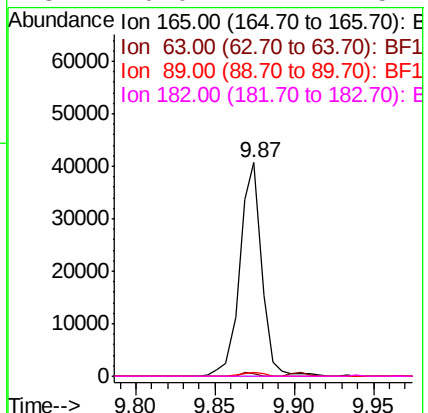
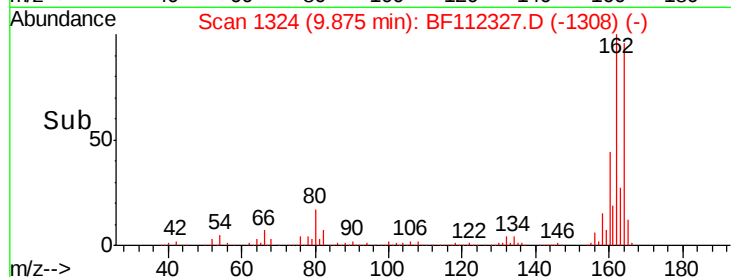
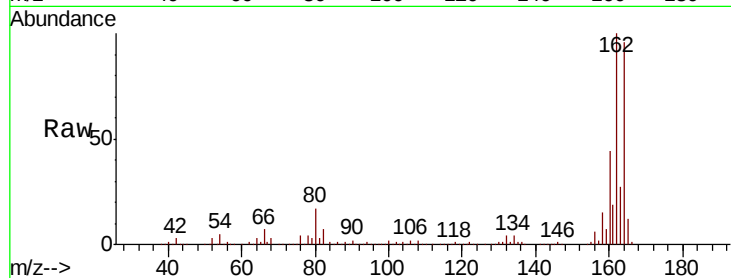




#57
2,4-Dinitrotoluene
Concen: 5.979 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.21 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

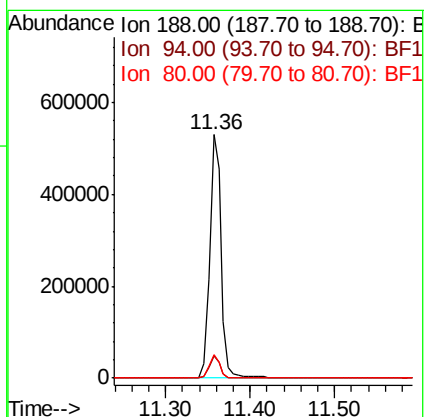
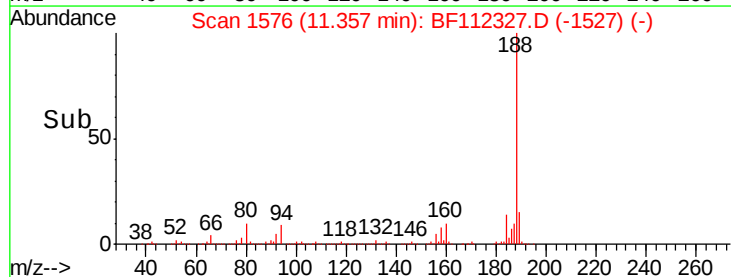
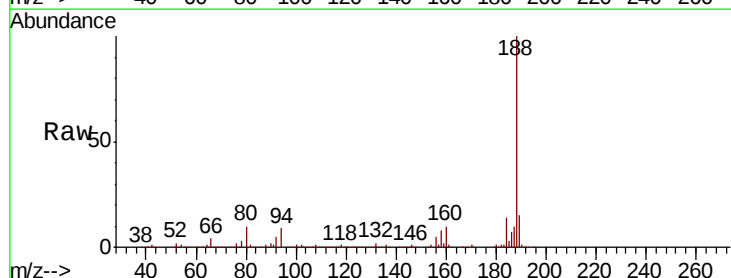
Instrument :
BNA_F
ClientSampleId :
TP-7

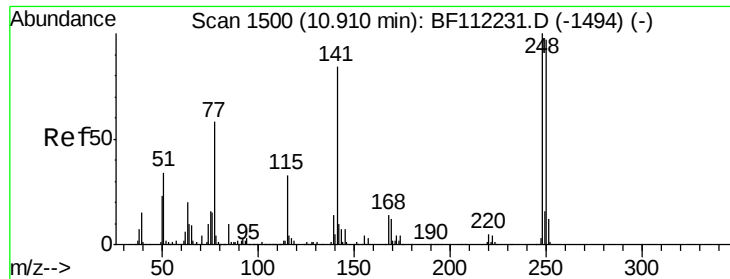
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.8	47.9	71.9#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.2
80	9.8	8.9	13.3

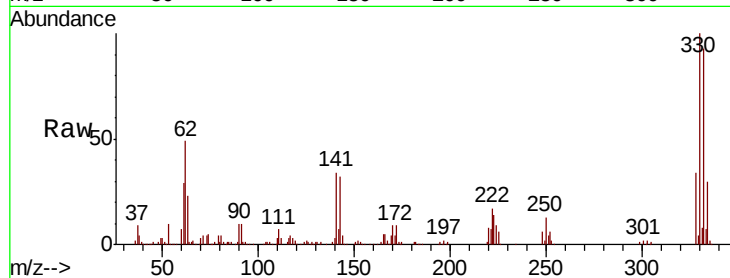




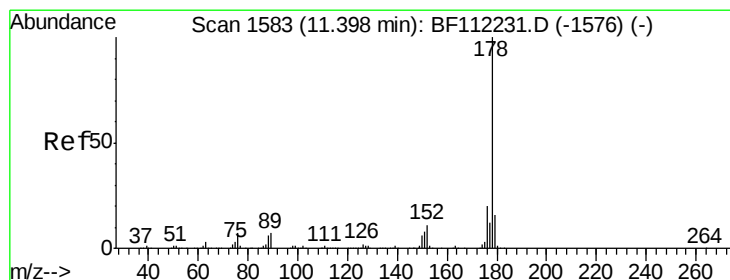
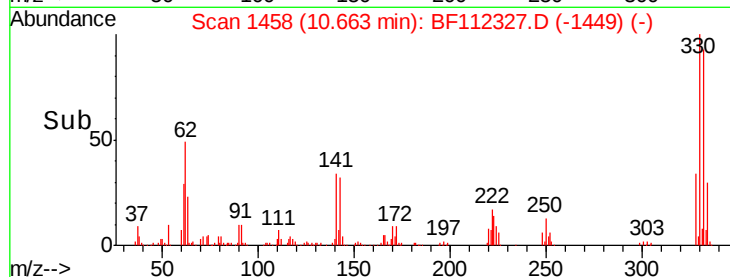
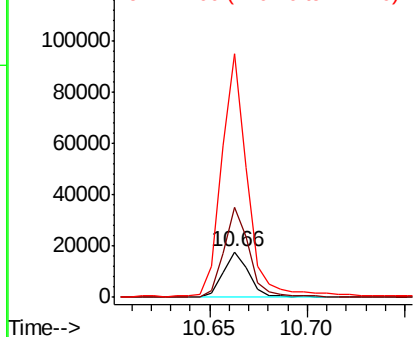
#67
4-Bromophenyl-phenylether
Concen: 2.773 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:248 Resp: 16416
Ion Ratio Lower Upper
248 100
250 198.0 79.7 119.5#
141 532.9 60.3 90.5#

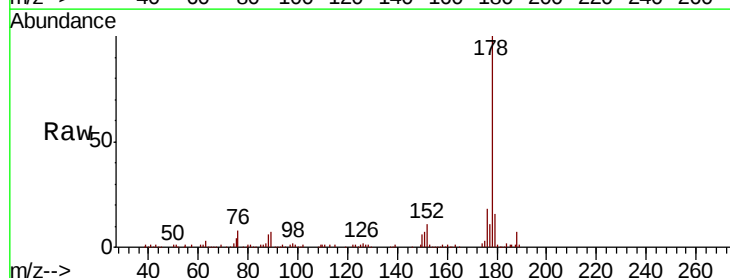


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

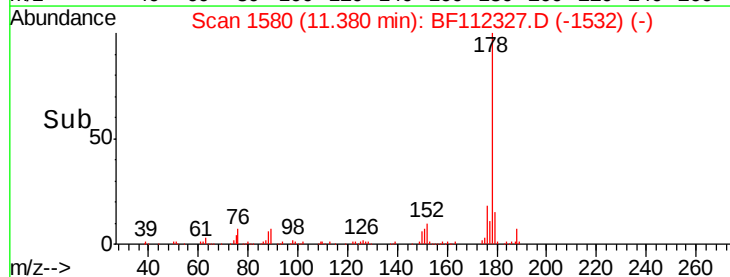
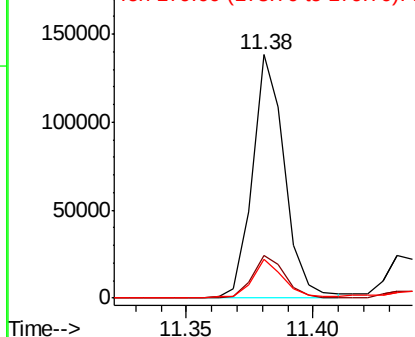


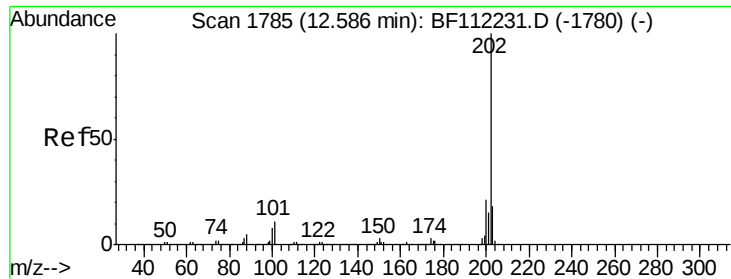
#71
Phenanthrene
Concen: 4.648 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Tgt Ion:178 Resp: 121622
Ion Ratio Lower Upper
178 100
176 17.8 16.3 24.5
179 15.7 13.0 19.4



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





#75

Fluoranthene

Concen: 5.903 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

Instrument :

BNA_F

ClientSampleId :

TP-7

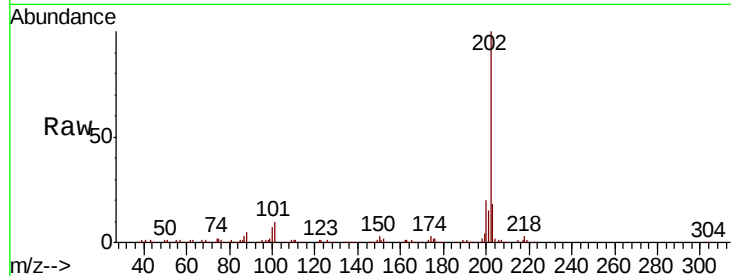
Tgt Ion:202 Resp: 165669

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.8

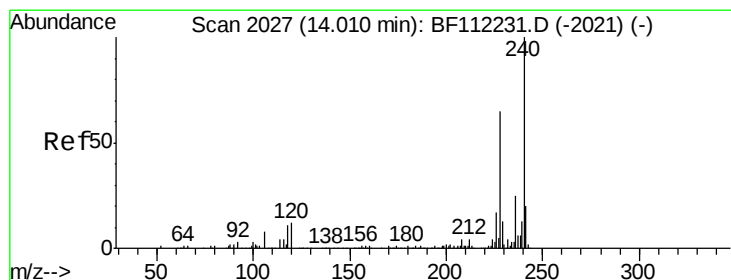
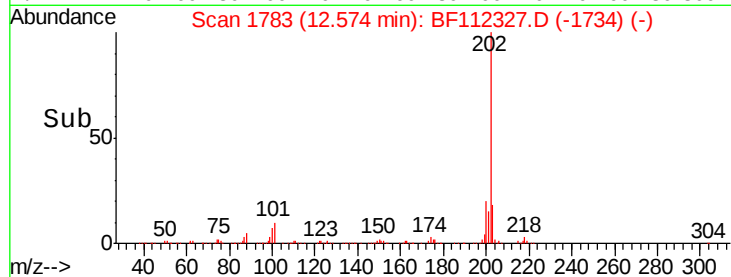
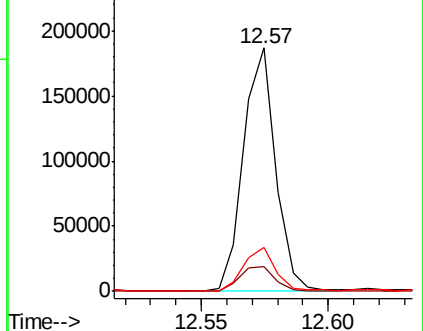
203 18.2 0.0 38.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

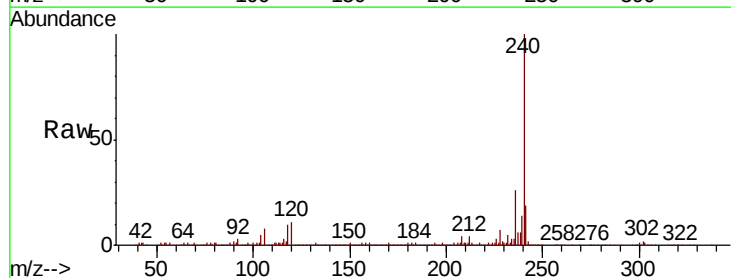
Tgt Ion:240 Resp: 356968

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.6

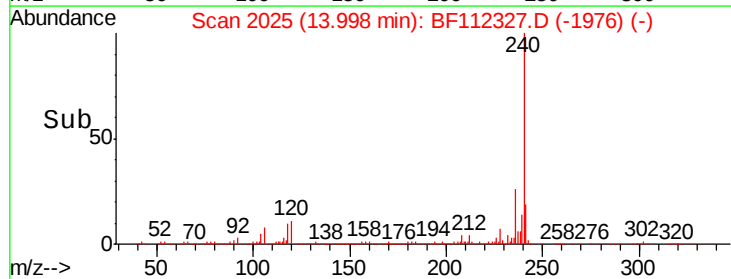
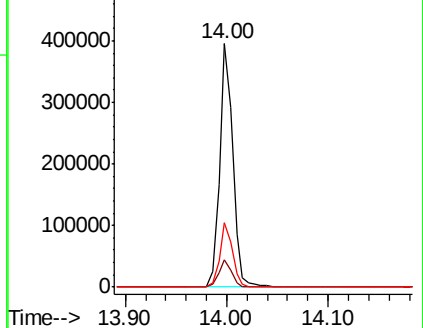
236 26.3 20.7 31.1

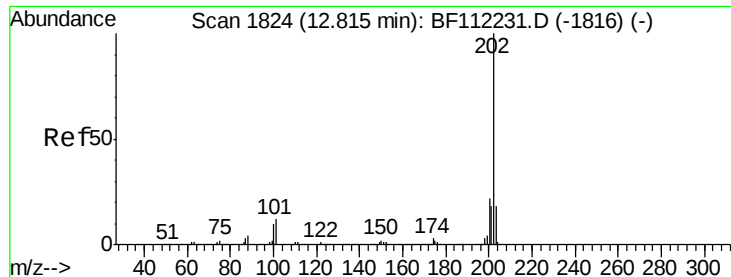


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 6.155 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

Instrument :

BNA_F

ClientSampleId :

TP-7

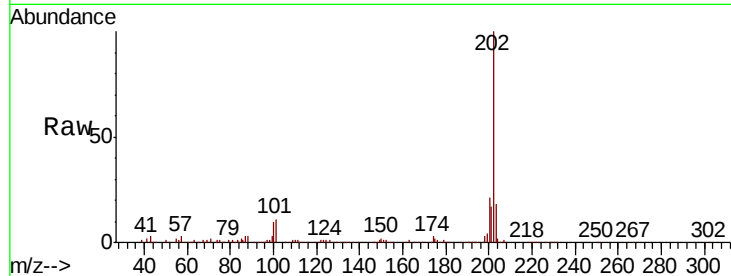
Tgt Ion:202 Resp: 152115

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

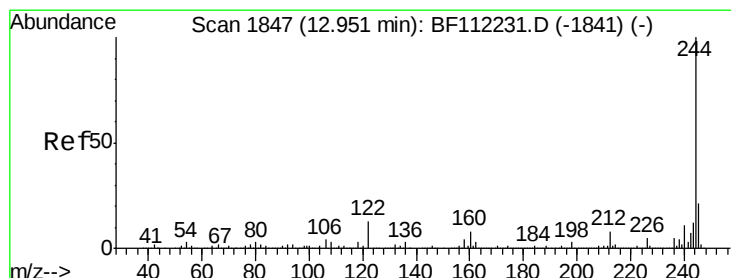
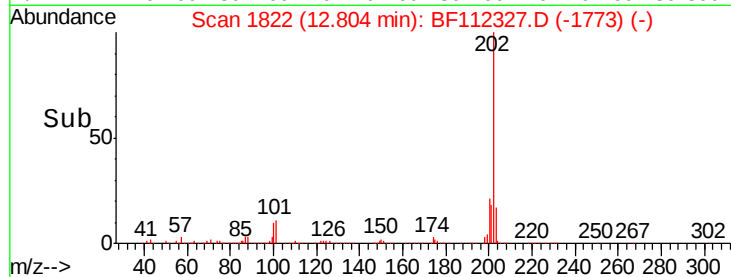
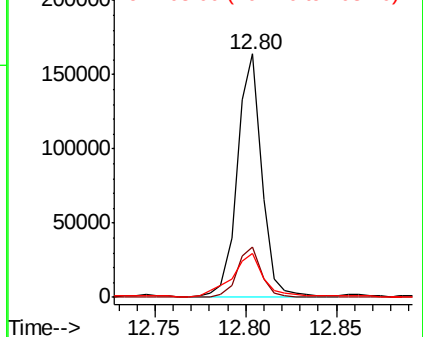
203 17.8 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 44.932 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

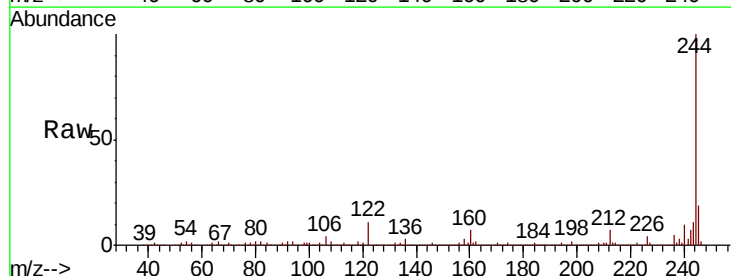
Tgt Ion:244 Resp: 851597

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

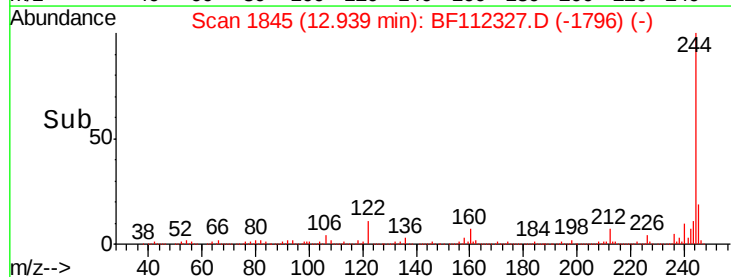
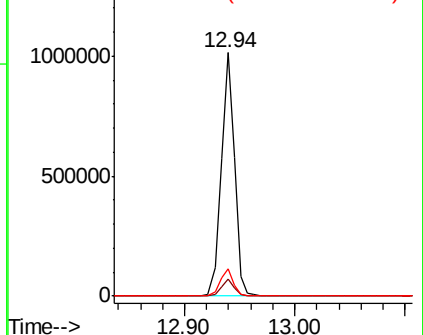
122 11.2 9.8 14.6

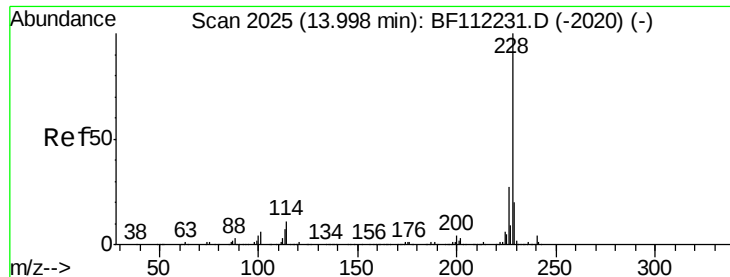


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.518 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

Instrument :

BNA_F

ClientSampleId :

TP-7

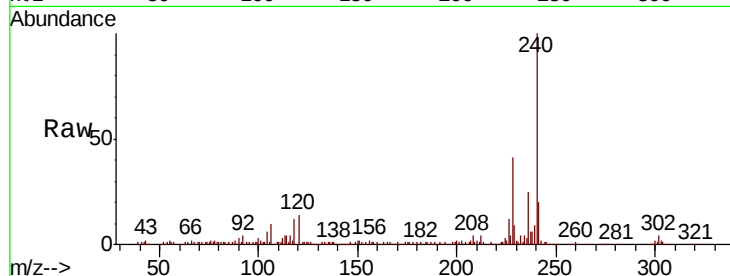
Tgt Ion:228 Resp: 73815

Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

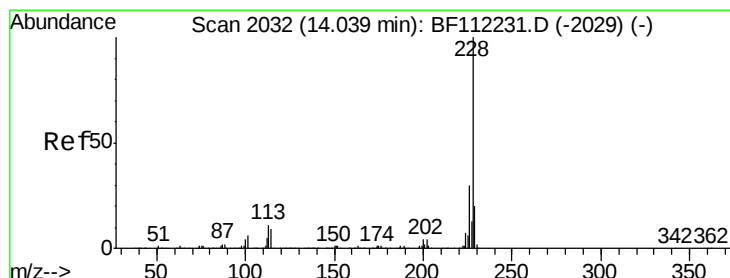
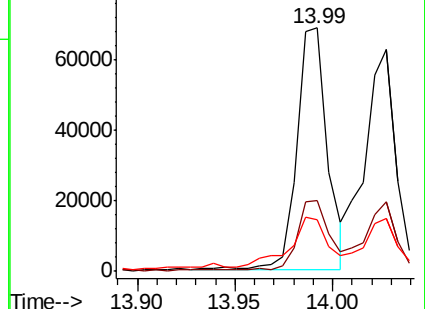
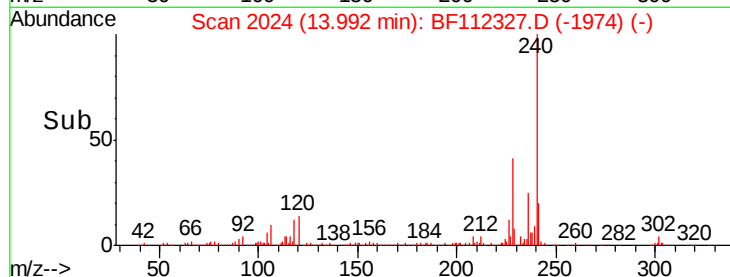
229 21.4 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.492 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

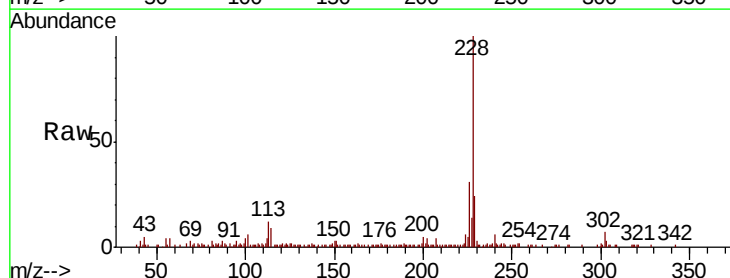
Tgt Ion:228 Resp: 69957

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

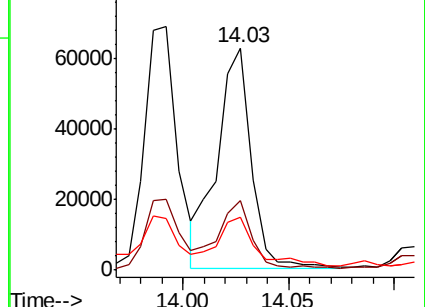
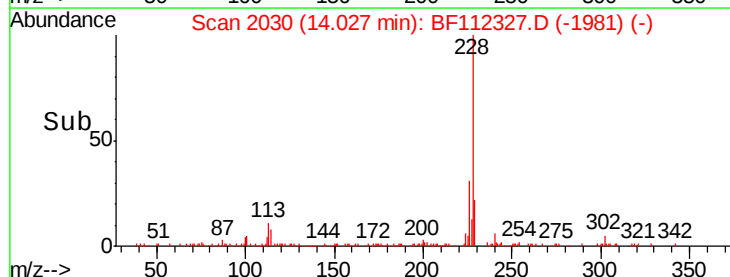
229 23.7 16.6 24.8

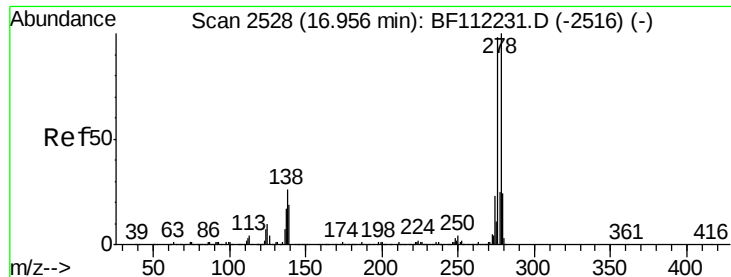


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

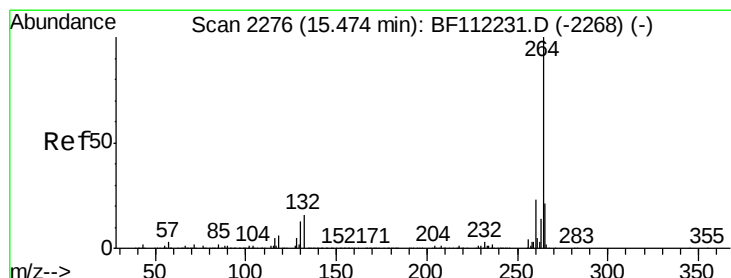
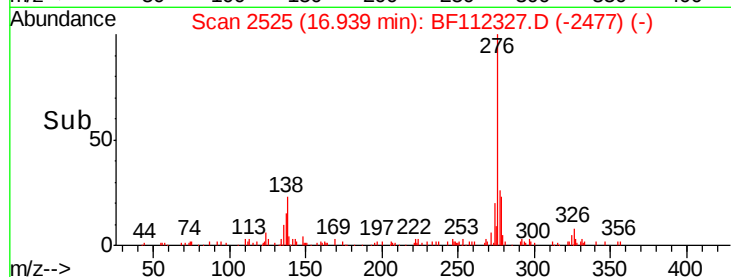
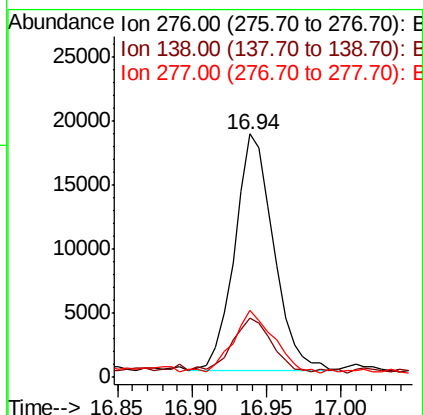
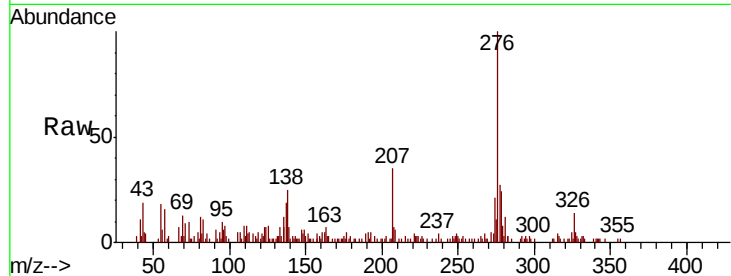




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.102 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. -0.02 min
 Lab File: BF112327.D
 Acq: 30 Jan 2019 17:46

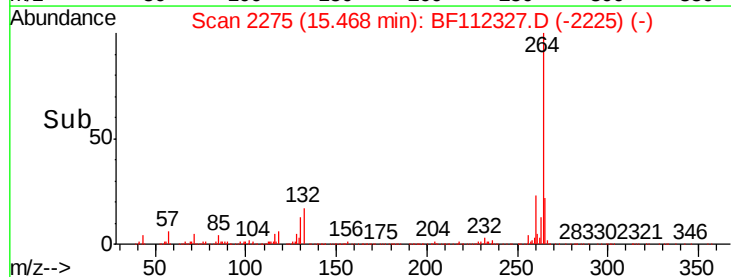
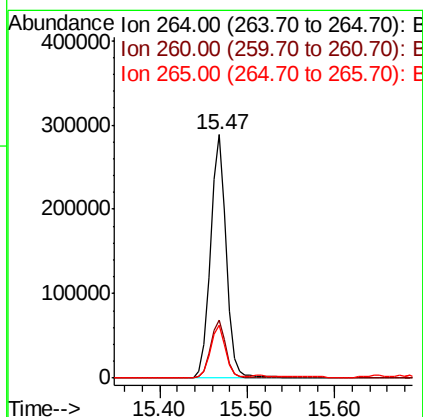
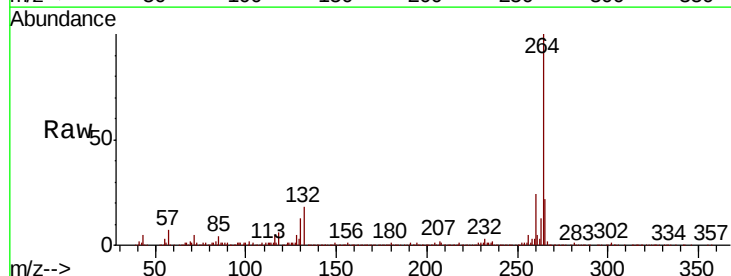
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

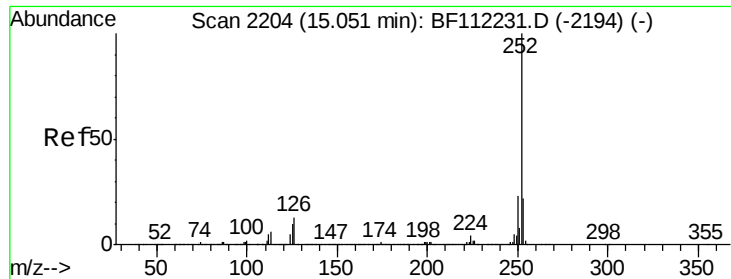
Tgt Ion: 276 Resp: 33365
 Ion Ratio Lower Upper
 276 100
 138 22.4 22.6 34.0#
 277 27.4 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112327.D
 Acq: 30 Jan 2019 17:46

Tgt Ion: 264 Resp: 359350
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.2 27.2
 265 21.7 17.0 25.4

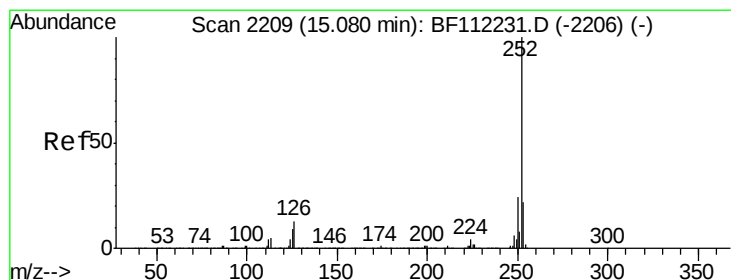
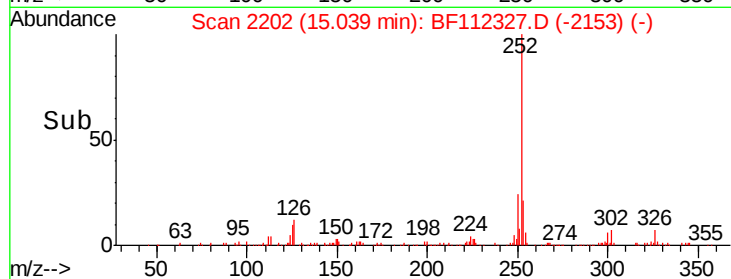
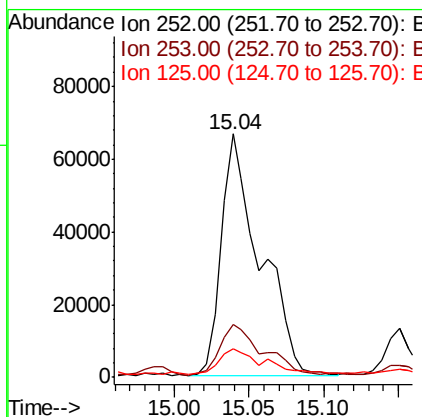
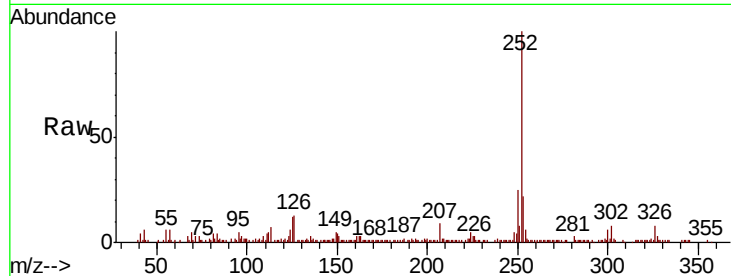




#88
Benzo(b)fluoranthene
Concen: 5.632 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

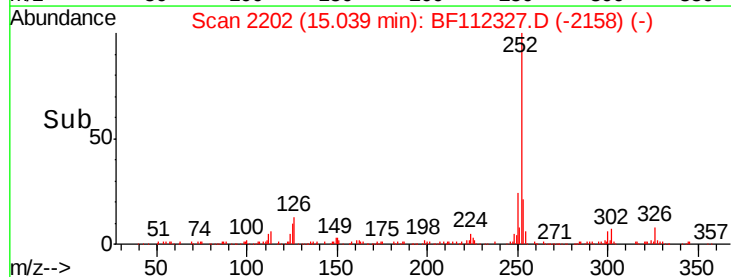
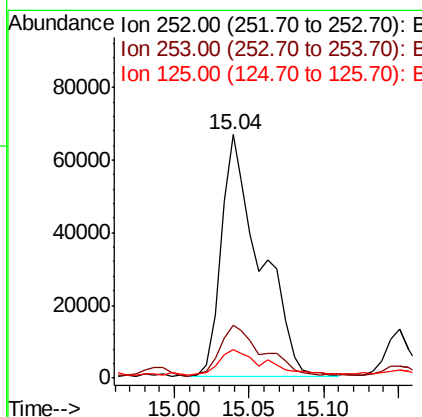
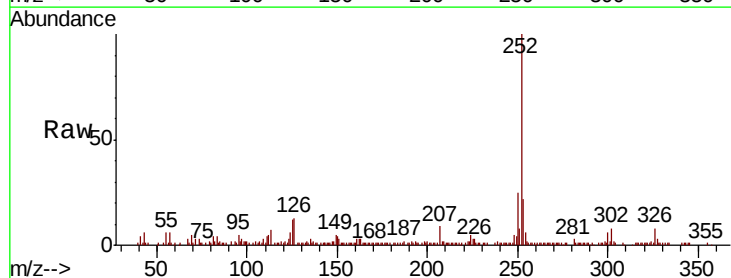
Instrument :
BNA_F
ClientSampleId :
TP-7

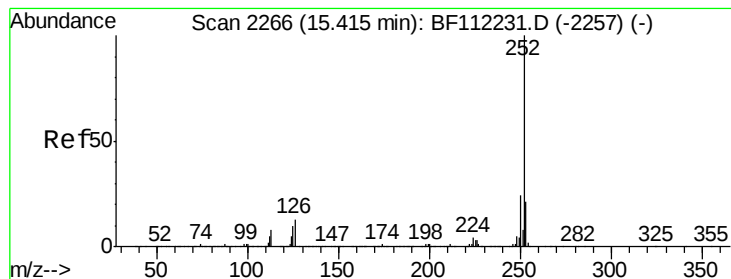
Tgt Ion:252 Resp: 121040
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 11.7 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 5.880 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF112327.D
Acq: 30 Jan 2019 17:46

Tgt Ion:252 Resp: 121040
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 11.7 9.1 13.7





#90

Benzo(a)pyrene

Concen: 3.245 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

Instrument :

BNA_F

ClientSampleId :

TP-7

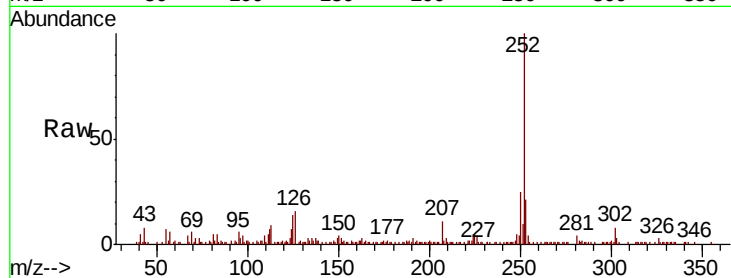
Tgt Ion:252 Resp: 62757

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

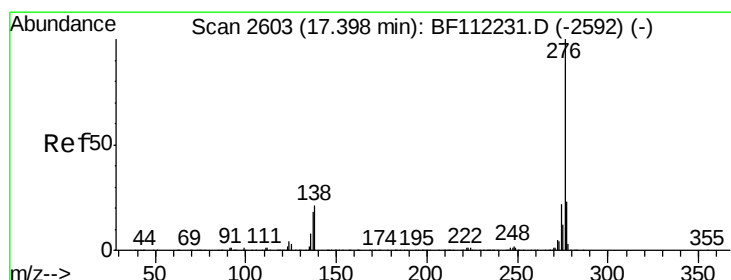
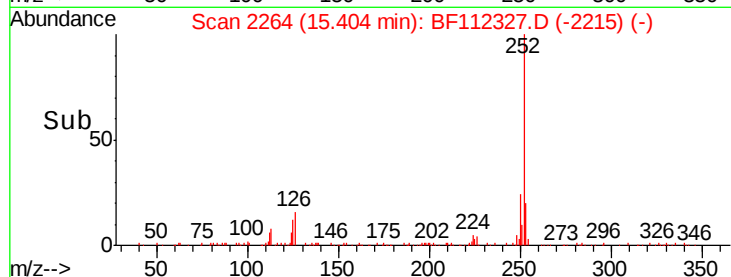
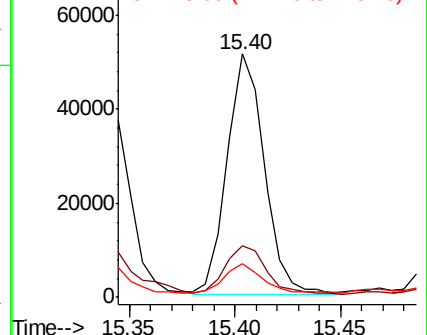
125 13.7 9.0 13.4#



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



#92

Benzo(g,h,i)perylene

Concen: 2.369 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BF112327.D

Acq: 30 Jan 2019 17:46

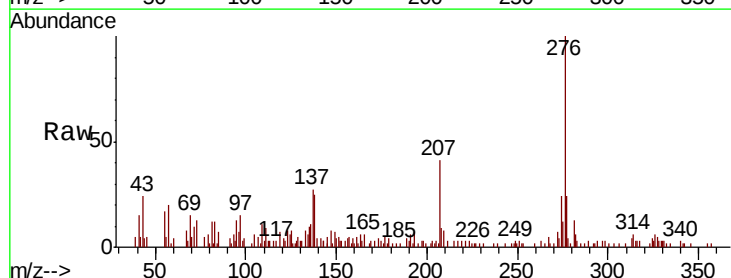
Tgt Ion:276 Resp: 34832

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 24.8 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

