

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110616.D
 Acq On : 9 Nov 2018 10:04
 Operator : JU/SJ
 Sample : J5813-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 15:44:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	78826	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	314260	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	138911	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	216414	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	155265	20.00	ng	-0.01
87) Perylene-d12	15.65	264	141210	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	500321	103.10	ng	0.00
7) Phenol-d6	6.57	99	638534	102.90	ng	0.00
23) Nitrobenzene-d5	7.51	82	402820	73.82	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	89342	63.83	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	656071	67.45	ng	0.00
79) Terphenyl-d14	13.06	244	409582	49.40	ng	0.00

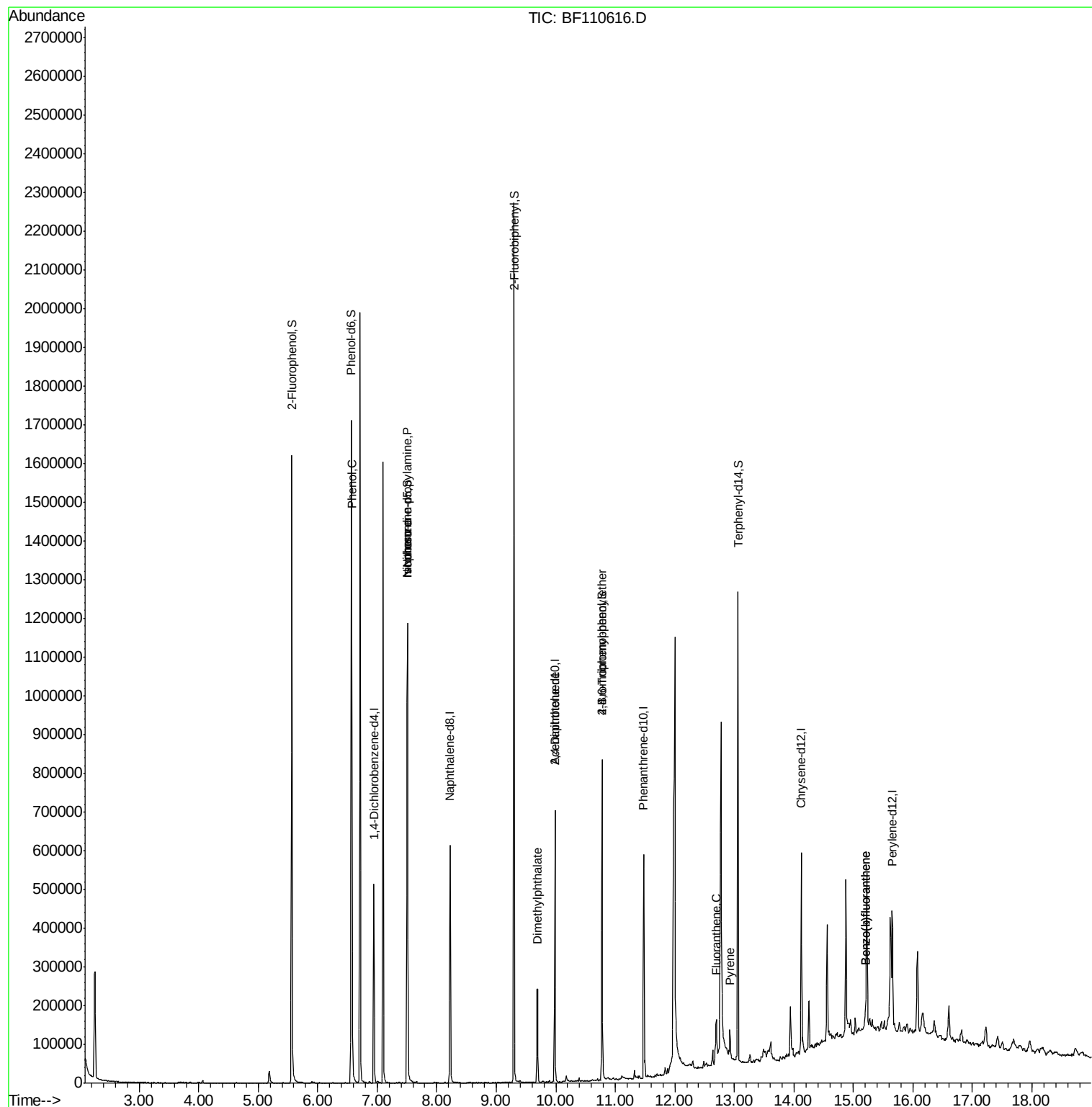
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1378	Below Cal		# 1
10) Phenol	6.58	94	41717	5.797	ng	# 69
19) n-Nitroso-di-n-propylamine	7.51	70	52308	13.205	ng	# 80
25) Isophorone	7.51	82	402818	45.038	ng	# 67
50) Dimethylphthalate	9.69	163	106208	10.247	ng	# 98
57) 2,4-Dinitrotoluene	9.99	165	17622	5.944	ng	# 19
67) 4-Bromophenyl-phenylether	10.77	248	5496	2.298	ng	# 1
75) Fluoranthene	12.70	202	31336	2.696	ng	# 98
78) Pyrene	12.93	202	27043	2.262	ng	# 99
88) Benzo(b)fluoranthene	15.20	252	27101	3.208	ng	# 78
89) Benzo(k)fluoranthene	15.20	252	27101	3.247	ng	# 77

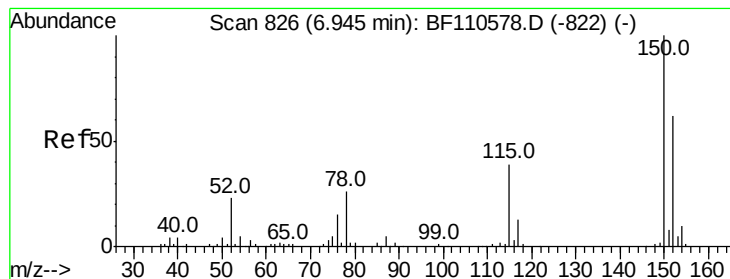
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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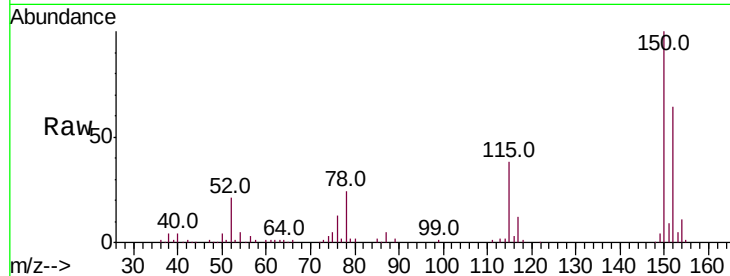


#1

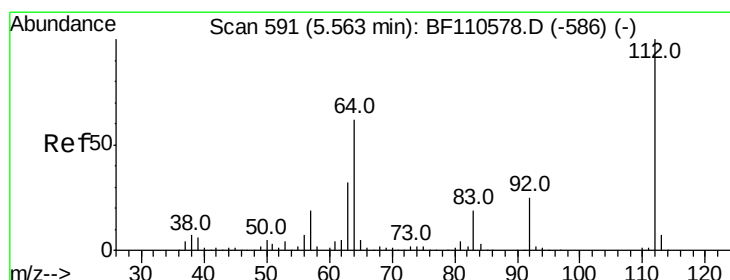
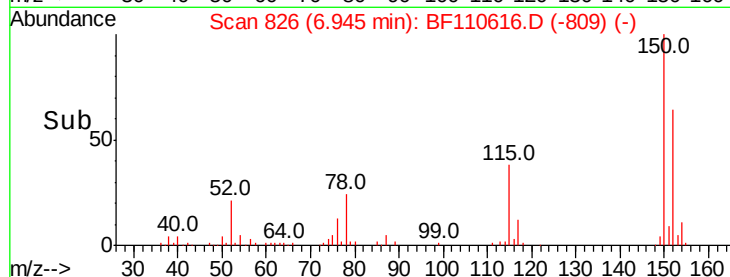
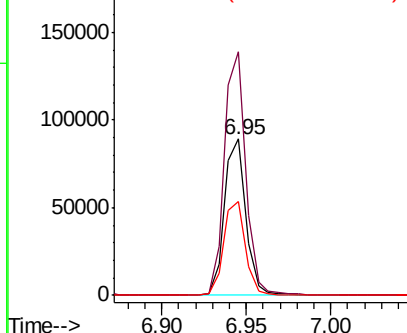
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110616.D
Acq: 9 Nov 2018 10:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78826
Ion Ratio Lower Upper
152 100
150 156.1 122.7 184.1
115 60.0 49.1 73.7



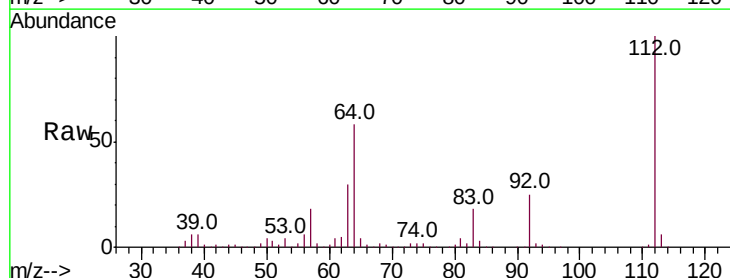
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



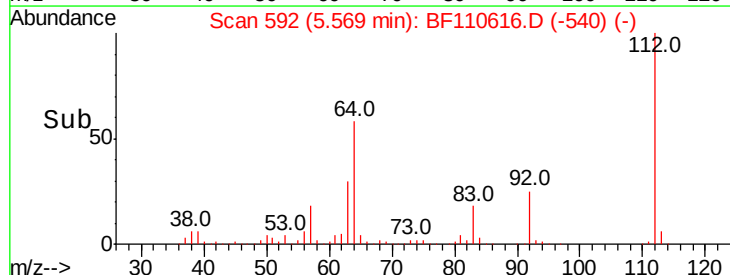
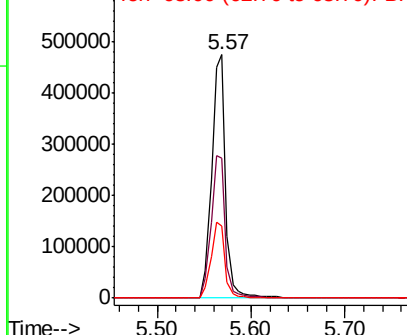
#5

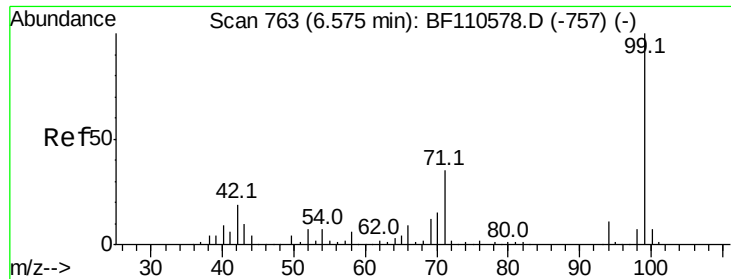
2-Fluorophenol
Concen: 103.098 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110616.D
Acq: 9 Nov 2018 10:04

Tgt Ion:112 Resp: 500321
Ion Ratio Lower Upper
112 100
64 57.7 44.1 66.1
63 29.7 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: 102.895 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110616.D

Acq: 9 Nov 2018 10:04

Instrument :

BNA_F

ClientSampleId :

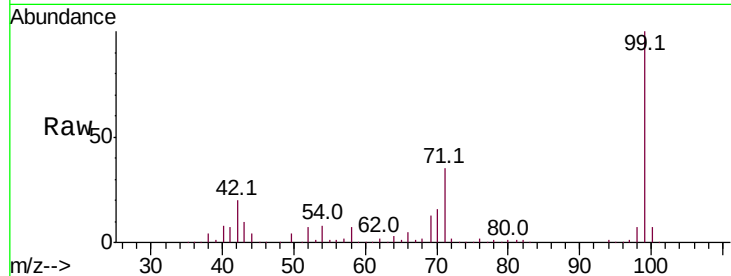
Tot Ion: 99 Resp: 638534

Ion Ratio Lower Upper

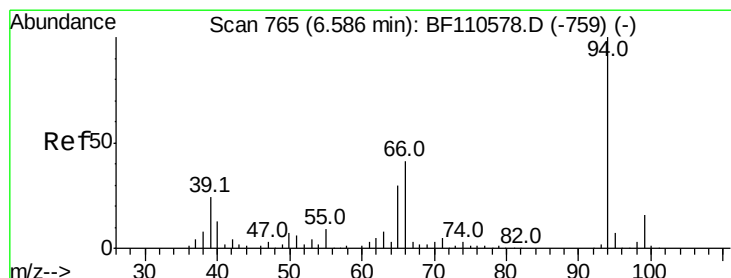
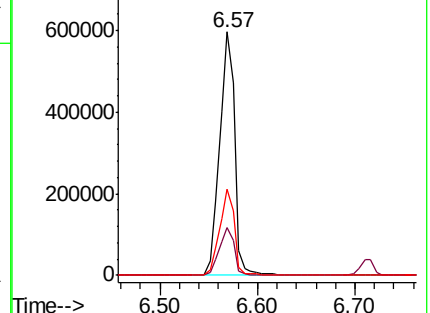
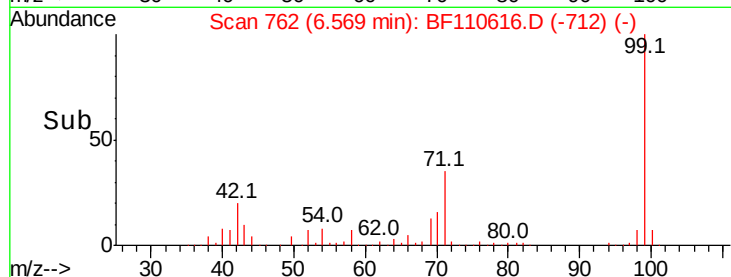
99 100

42 19.8 15.8 23.6

71 35.3 28.0 42.0



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: 5.797 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110616.D

Acq: 9 Nov 2018 10:04

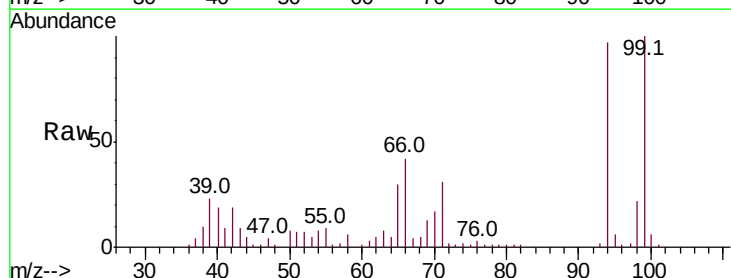
Tgt Ion: 94 Resp: 41717

Ion Ratio Lower Upper

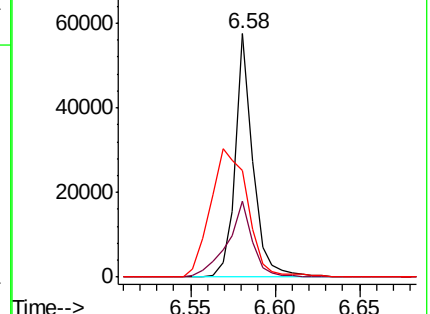
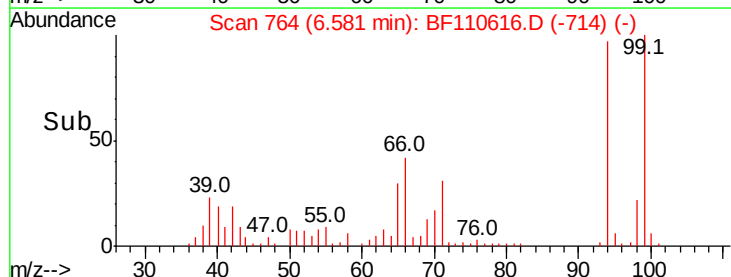
94 100

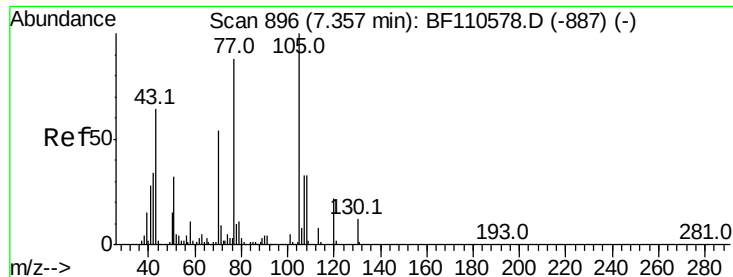
65 31.3 25.3 65.3

66 43.8 54.5 94.5#



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: 13.205 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110616.D

Acq: 9 Nov 2018 10:04

Instrument :

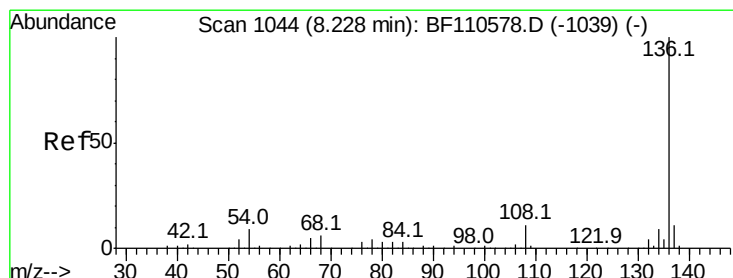
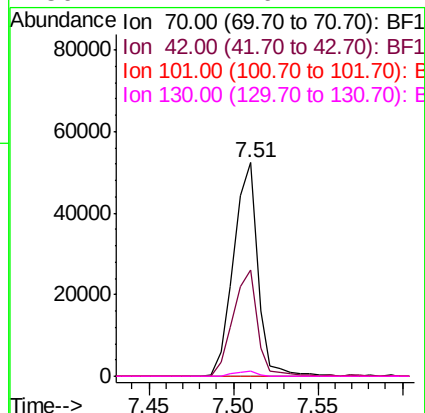
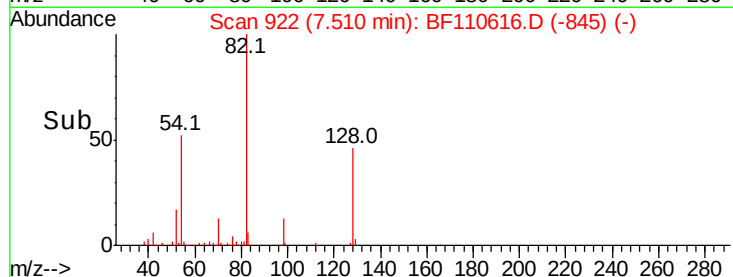
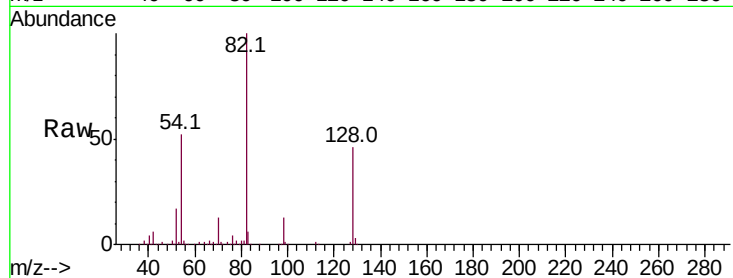
BNA_F

ClientSampled :

Tot Ion: 70 Resp: 52308

Ion Ratio Lower Upper

70	100		
42	49.6	47.4	71.2
101	0.0	7.3	10.9#
130	2.2	16.2	24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

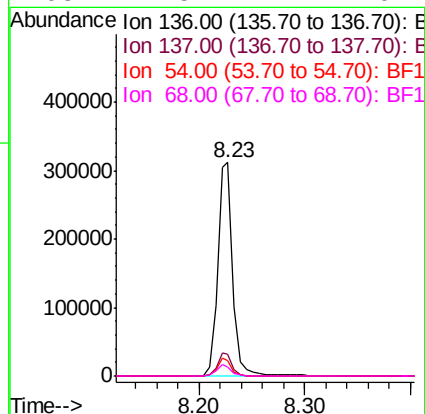
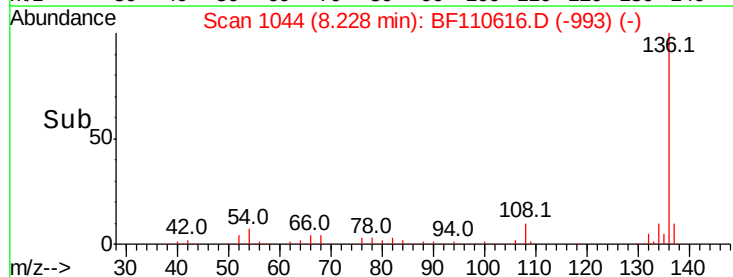
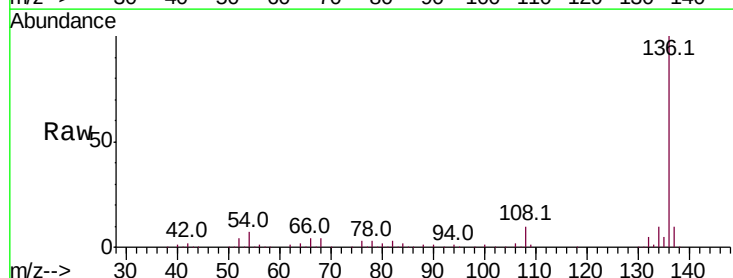
Lab File: BF110616.D

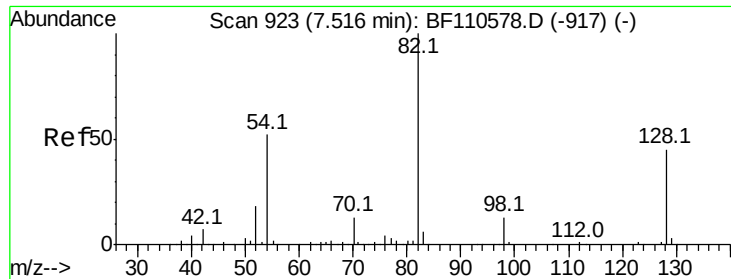
Acq: 9 Nov 2018 10:04

Tgt Ion: 136 Resp: 314260

Ion Ratio Lower Upper

136	100		
137	10.3	8.8	13.2
54	7.4	5.4	8.2
68	4.5	4.2	6.2

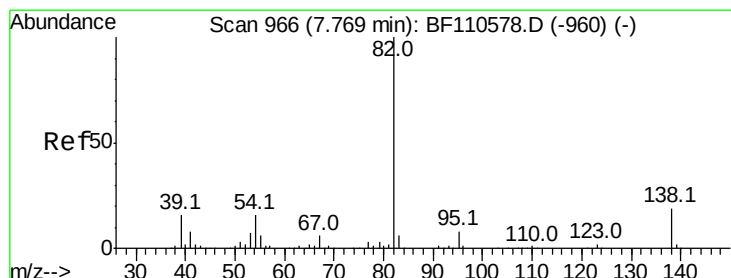
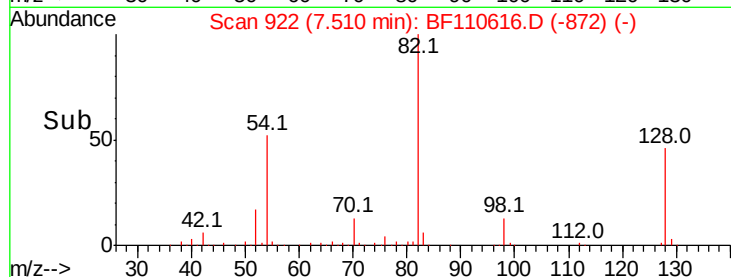
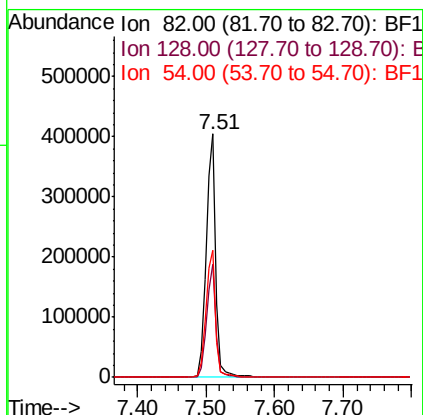
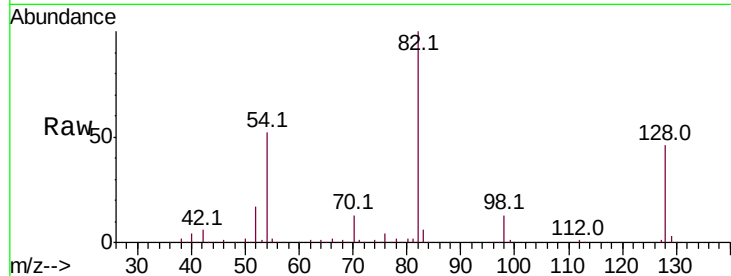




#23
 Nitrobenzene-d5
 Concen: 73.819 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110616.D
 Acq: 9 Nov 2018 10:04

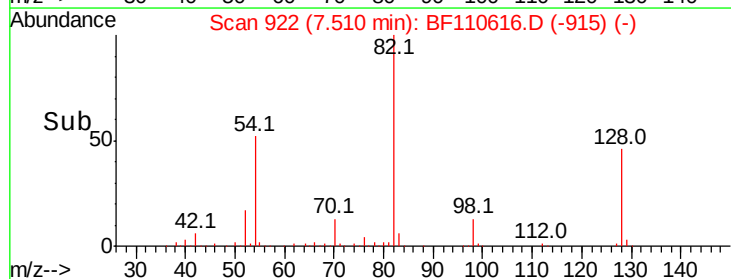
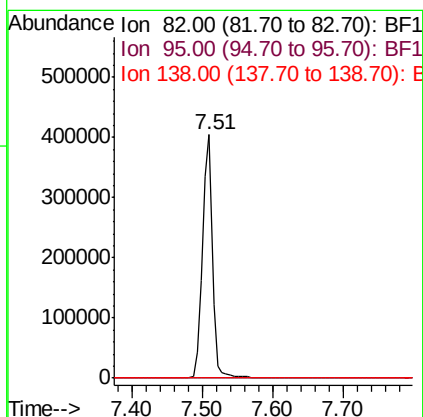
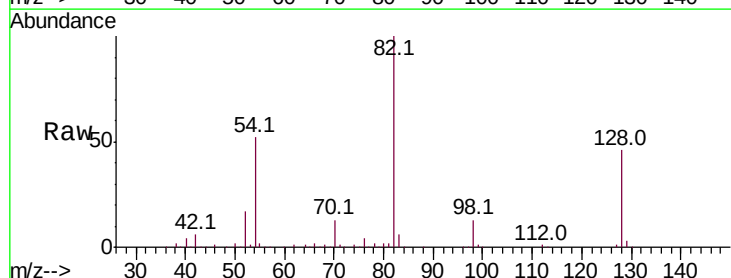
Instrument :
 BNA_F
 ClientSampled :

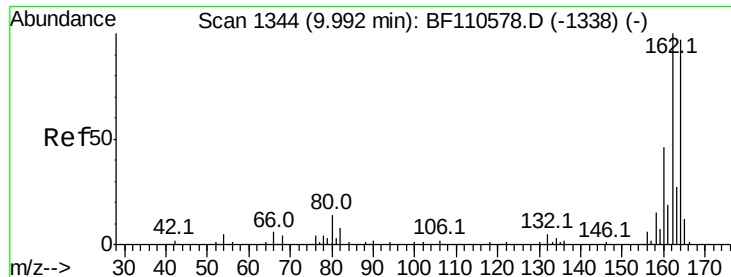
Tot Ion	82	Resp	402820
Ion Ratio	Lower	Upper	
82	100		
128	46.2	34.2	51.2
54	52.0	38.6	58.0



#25
 Isophorone
 Concen: 45.038 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110616.D
 Acq: 9 Nov 2018 10:04

Tgt Ion	82	Resp	402818
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

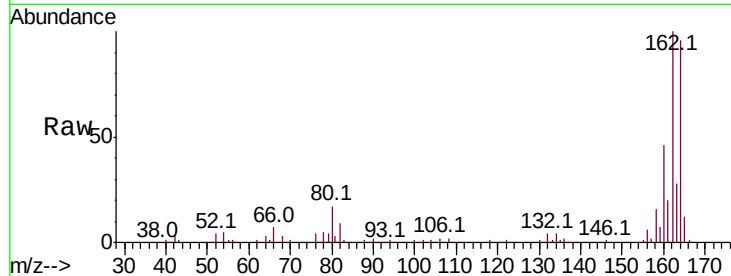




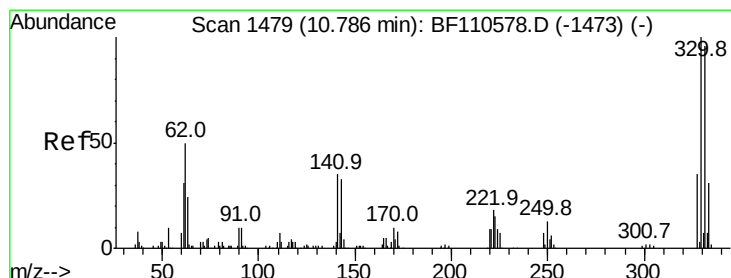
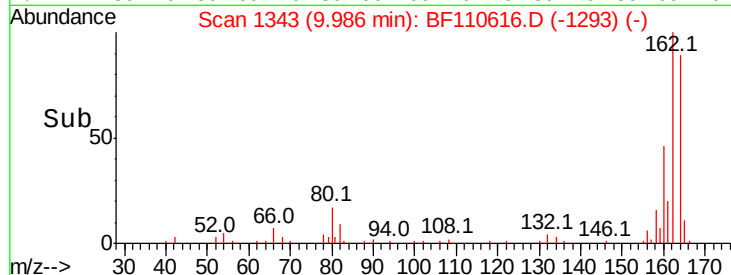
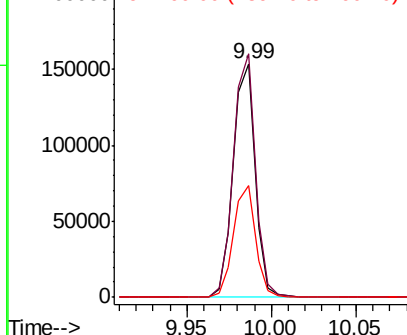
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110616.D
Acq: 9 Nov 2018 10:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 138911
Ion Ratio Lower Upper
164 100
162 104.1 83.0 124.6
160 48.0 37.0 55.6

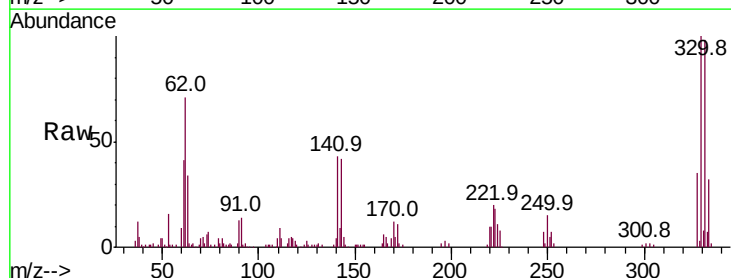


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

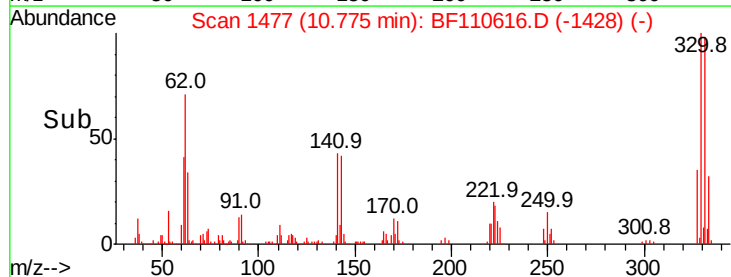
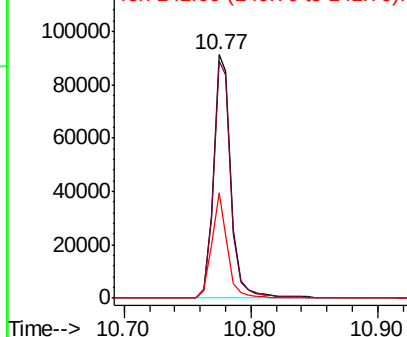


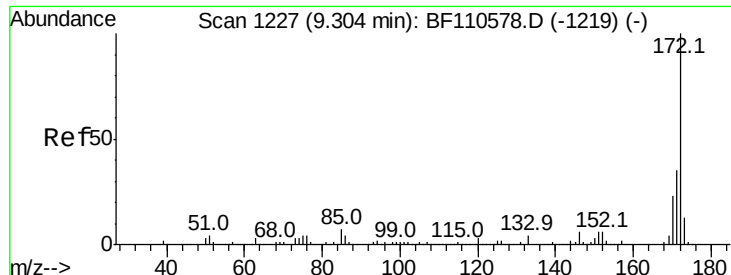
#42
2,4,6-Tribromophenol
Concen: 63.829 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110616.D
Acq: 9 Nov 2018 10:04

Tgt Ion:330 Resp: 89342
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 38.3 27.0 40.4



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

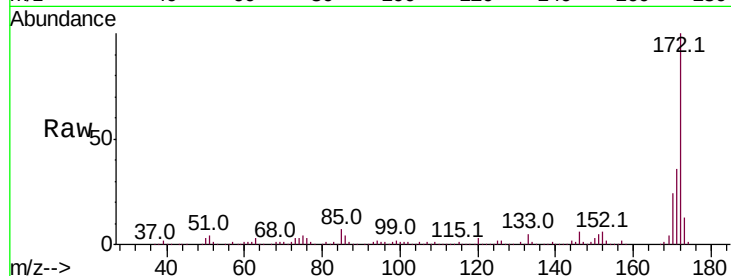




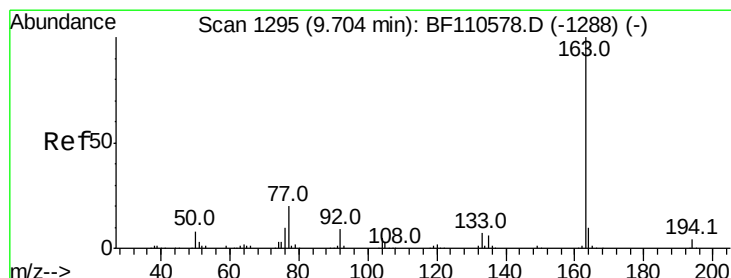
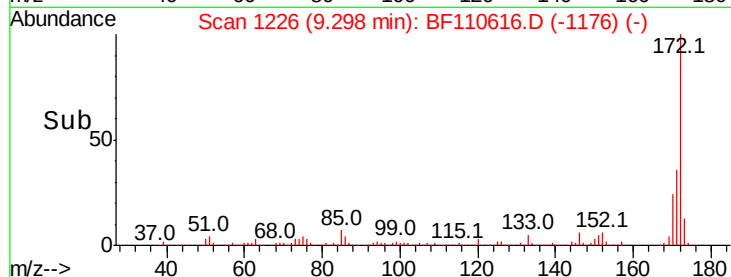
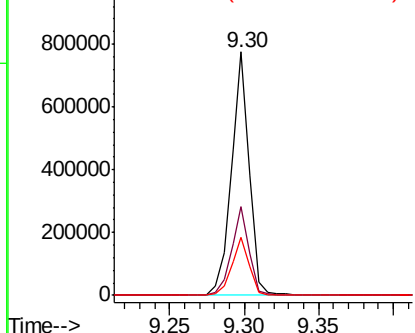
#45
2-Fluorobiphenyl
Concen: 67.452 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110616.D
Acq: 9 Nov 2018 10:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 656071
Ion Ratio Lower Upper
172 100
171 36.4 28.6 43.0
170 23.8 19.7 29.5

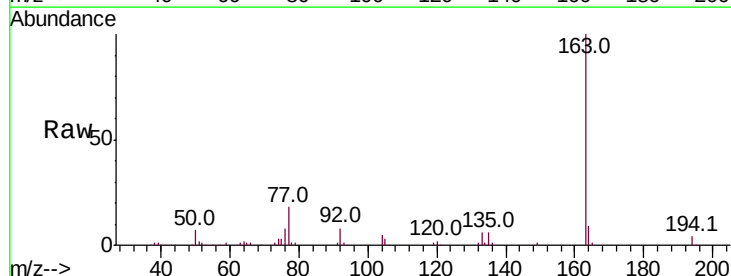


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

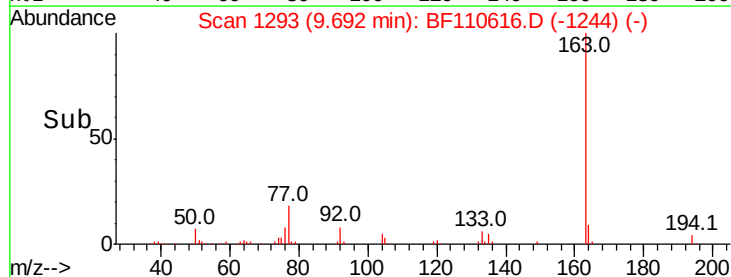
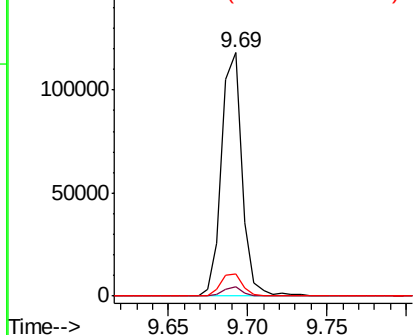


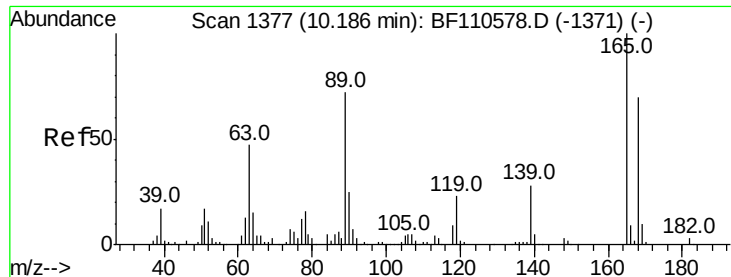
#50
Dimethylphthalate
Concen: 10.247 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110616.D
Acq: 9 Nov 2018 10:04

Tgt Ion:163 Resp: 106208
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.3 8.1 12.1



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

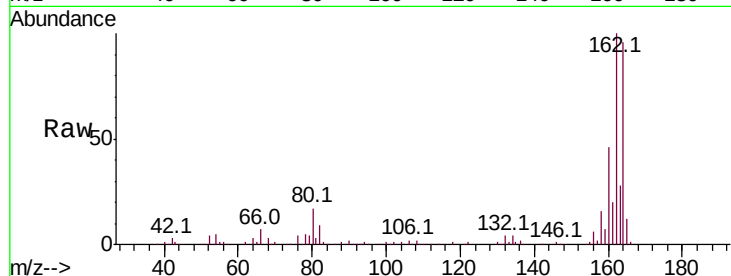




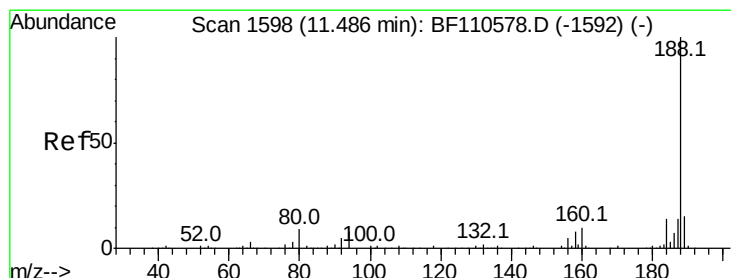
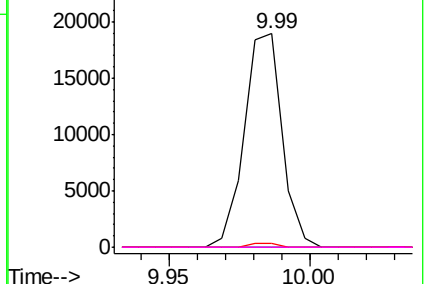
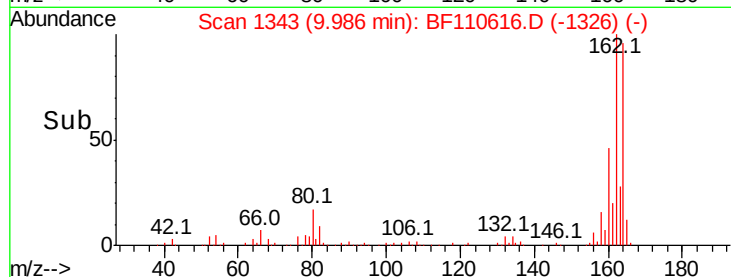
#57
 2,4-Dinitrotoluene
 Concen: 5.944 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110616.D
 Acq: 9 Nov 2018 10:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 17622
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 2.0 62.2 93.4#
 182 0.0 2.1 3.1#

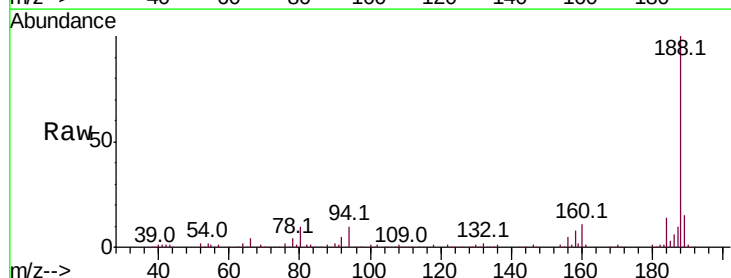


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

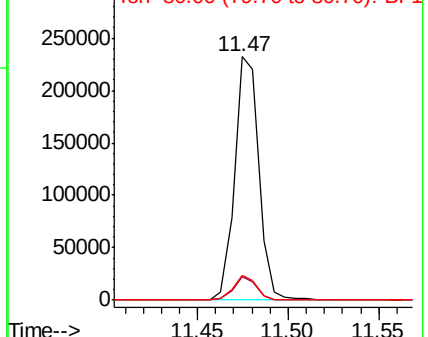
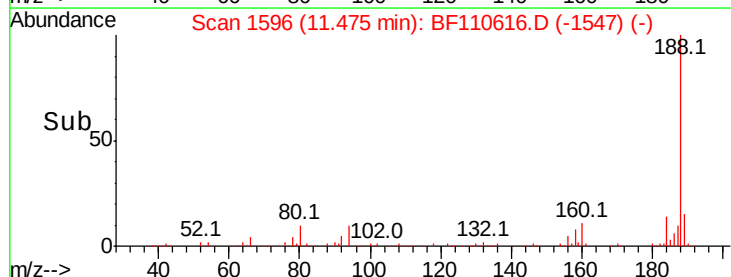


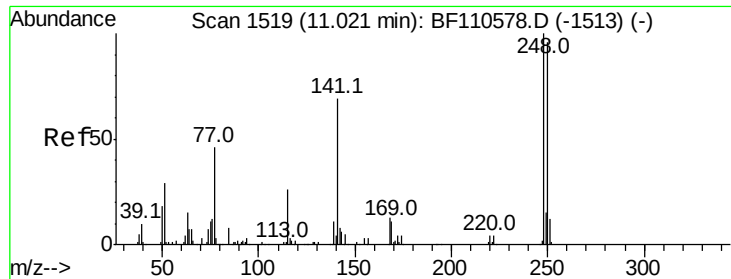
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110616.D
 Acq: 9 Nov 2018 10:04

Tgt Ion:188 Resp: 216414
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.2 10.8
 80 10.2 7.9 11.9



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

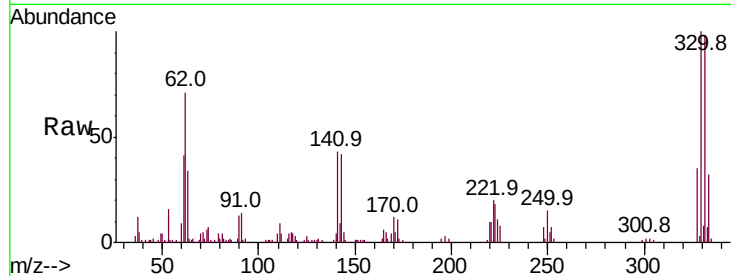




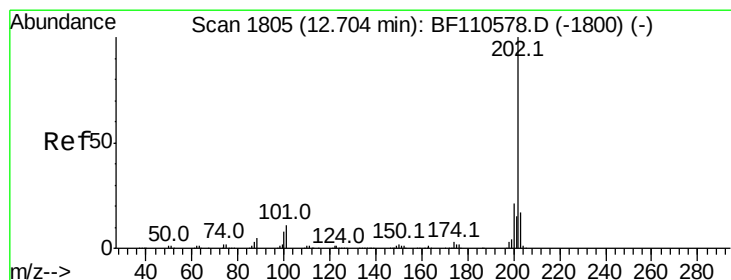
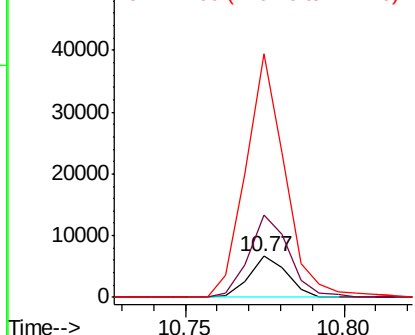
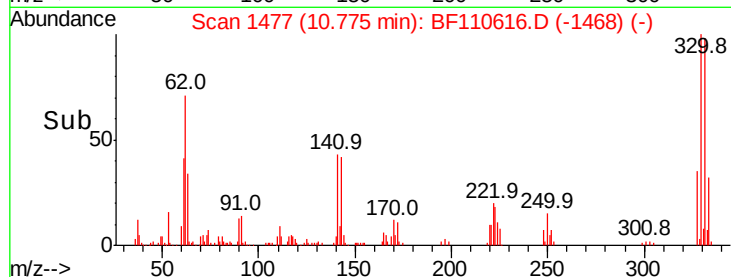
#67
 4-Bromophenyl-phenylether
 Concen: 2.298 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110616.D
 Acq: 9 Nov 2018 10:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5496
 Ion Ratio Lower Upper
 248 100
 250 202.1 79.4 119.2#
 141 597.0 55.9 83.9#

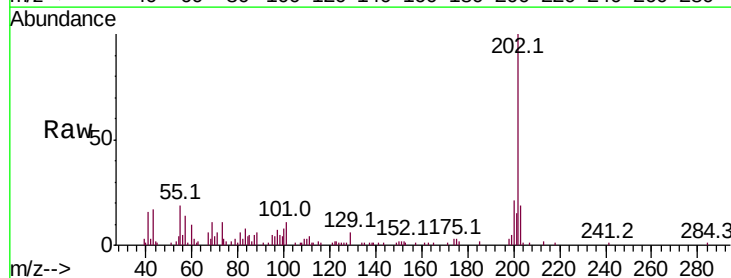


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

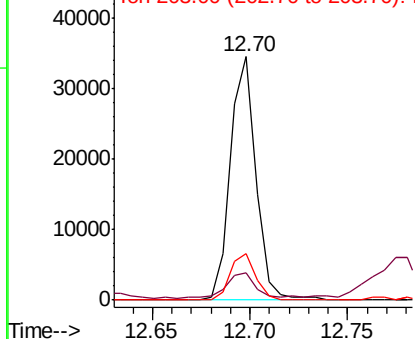
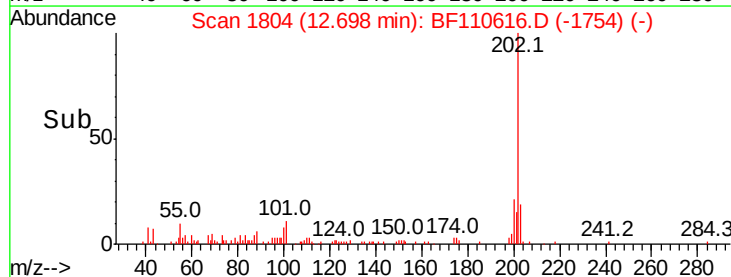


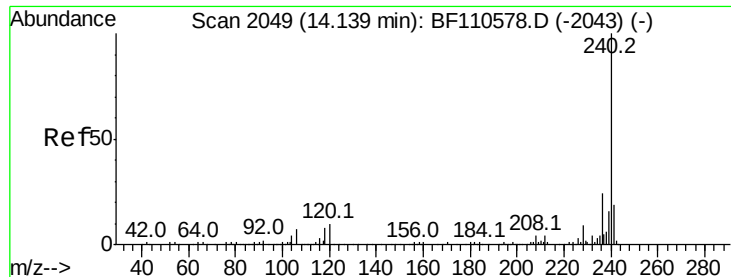
#75
 Fluoranthene
 Concen: 2.696 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110616.D
 Acq: 9 Nov 2018 10:04

Tgt Ion:202 Resp: 31336
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.4
 203 19.1 0.0 37.7



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: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110616.D

Acq: 9 Nov 2018 10:04

Instrument :

BNA_F

ClientSampleId :

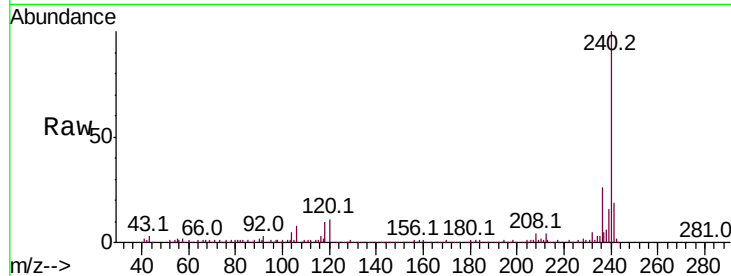
Tot Ion:240 Resp: 155265

Ion Ratio Lower Upper

240 100

120 11.0 8.3 12.5

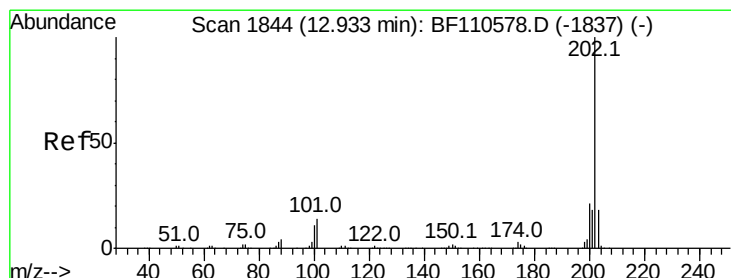
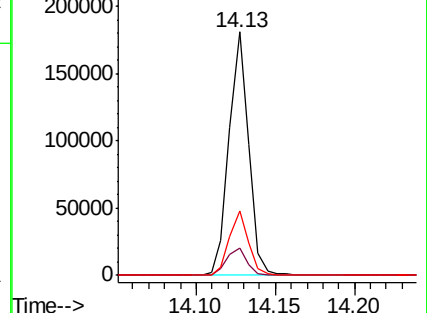
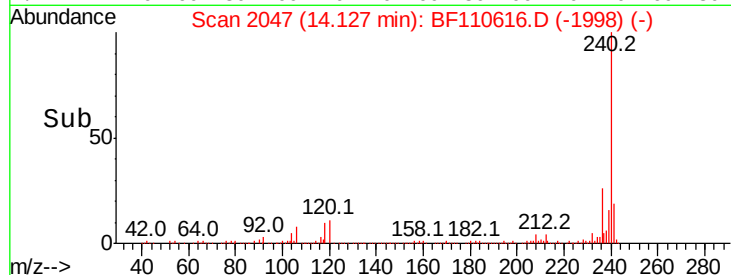
236 26.4 21.2 31.8



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: 2.262 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110616.D

Acq: 9 Nov 2018 10:04

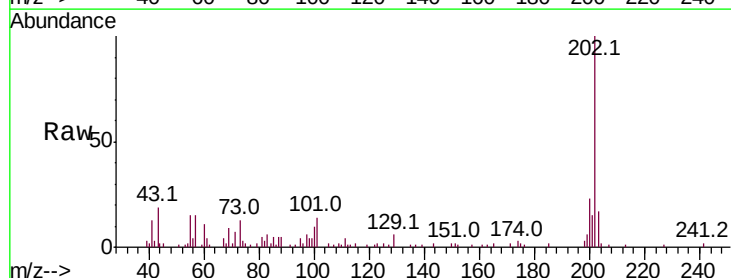
Tgt Ion:202 Resp: 27043

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.6

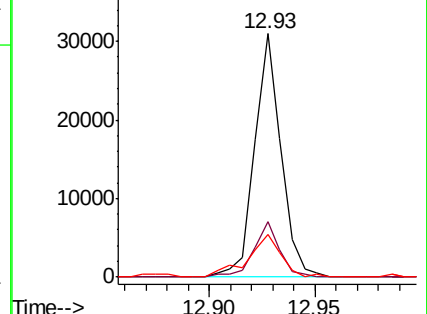
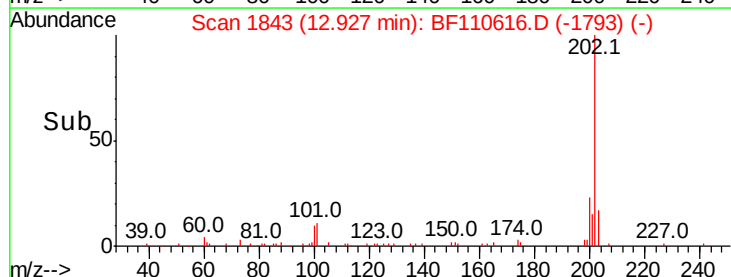
203 17.5 14.2 21.4

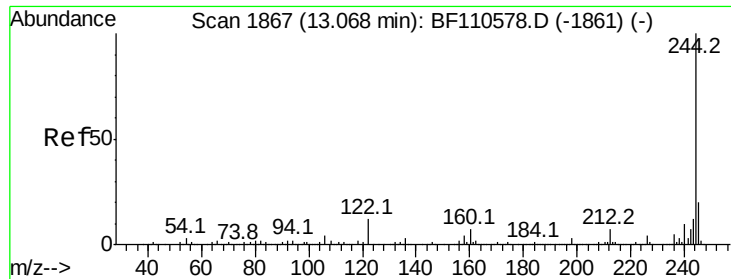


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 49.403 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110616.D

Acq: 9 Nov 2018 10:04

Instrument :

BNA_F

ClientSampleId :

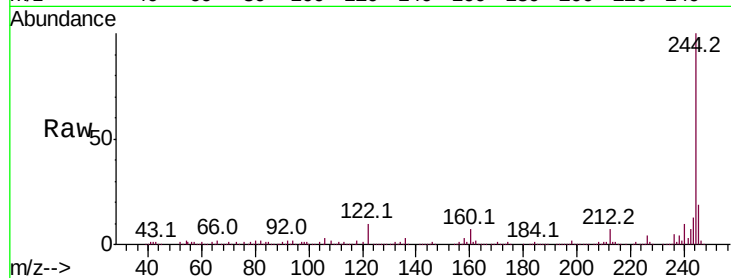
Tot Ion:244 Resp: 409582

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

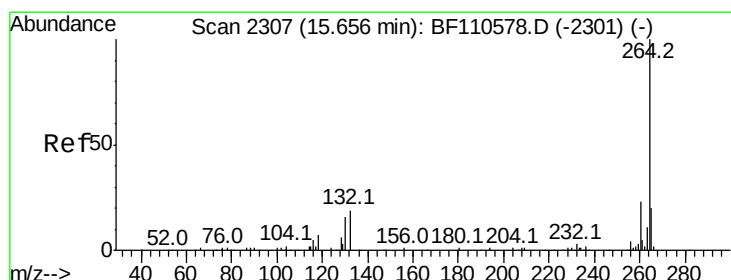
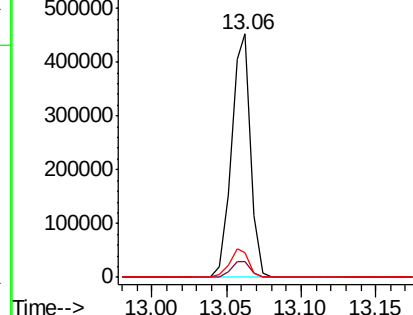
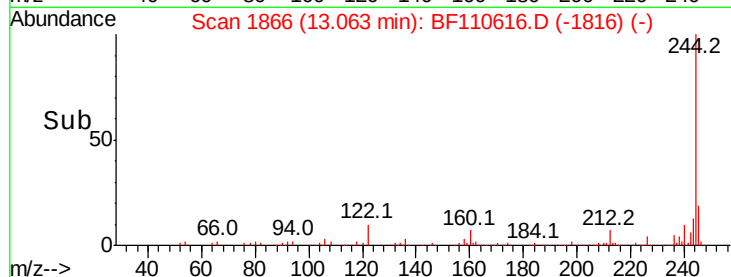
122 9.9 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.65 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF110616.D

Acq: 9 Nov 2018 10:04

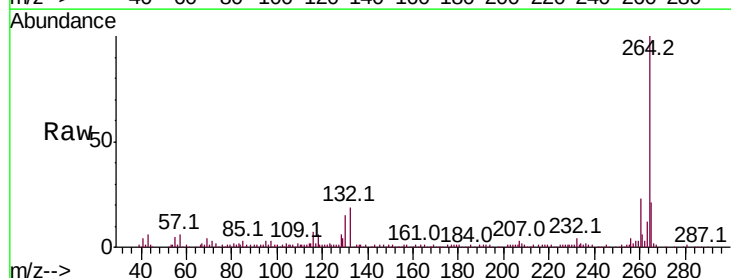
Tgt Ion:264 Resp: 141210

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

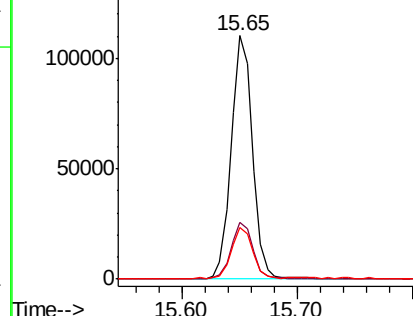
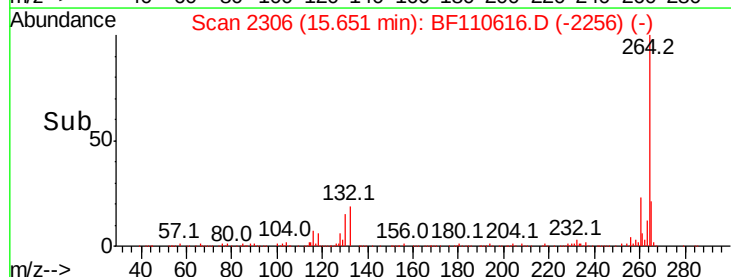
265 21.2 16.7 25.1

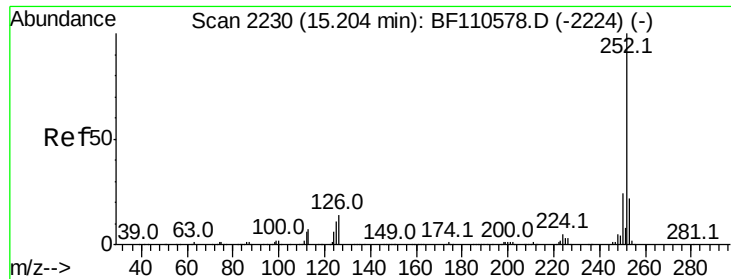


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

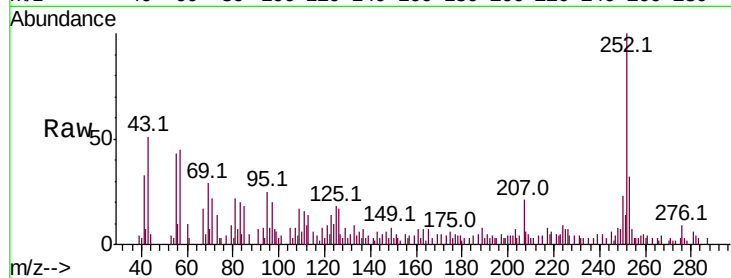




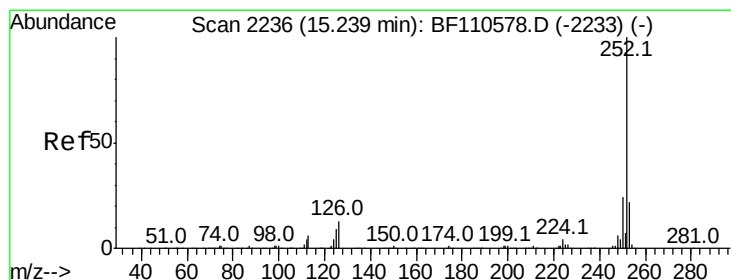
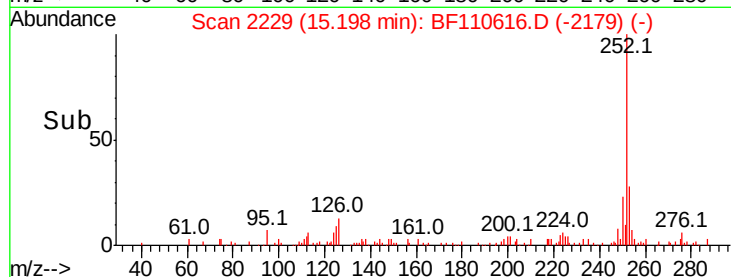
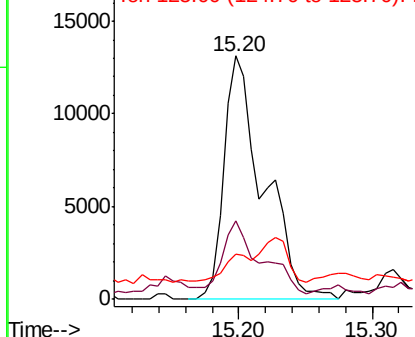
#88
Benzo(b)fluoranthene
Concen: 3.208 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110616.D
Acq: 9 Nov 2018 10:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.2	25.8#
125	18.4	8.2	12.4#

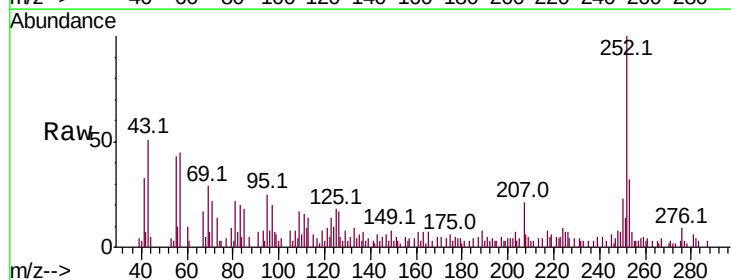


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.247 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF110616.D
Acq: 9 Nov 2018 10:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.2	25.8#
125	18.4	7.4	11.0#



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

