

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115322.D
 Acq On : 29 Jun 2019 14:53
 Operator : HP/JU
 Sample : K3604-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1-17-17.5-BGS

Quant Time: Jun 30 01:44:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	211286	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	813103	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	405048	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	816456	20.00	ng	0.00
76) Chrysene-d12	13.71	240	738926	20.00	ng	0.00
87) Perylene-d12	15.08	264	789578	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1538398	112.36	ng	0.00
7) Phenol-d6	6.24	99	1949912	117.33	ng	0.00
23) Nitrobenzene-d5	7.16	82	1161047	87.84	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	568139	133.01	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	1870678	78.45	ng	0.00
79) Terphenyl-d14	12.68	244	2222418	63.95	ng	0.00

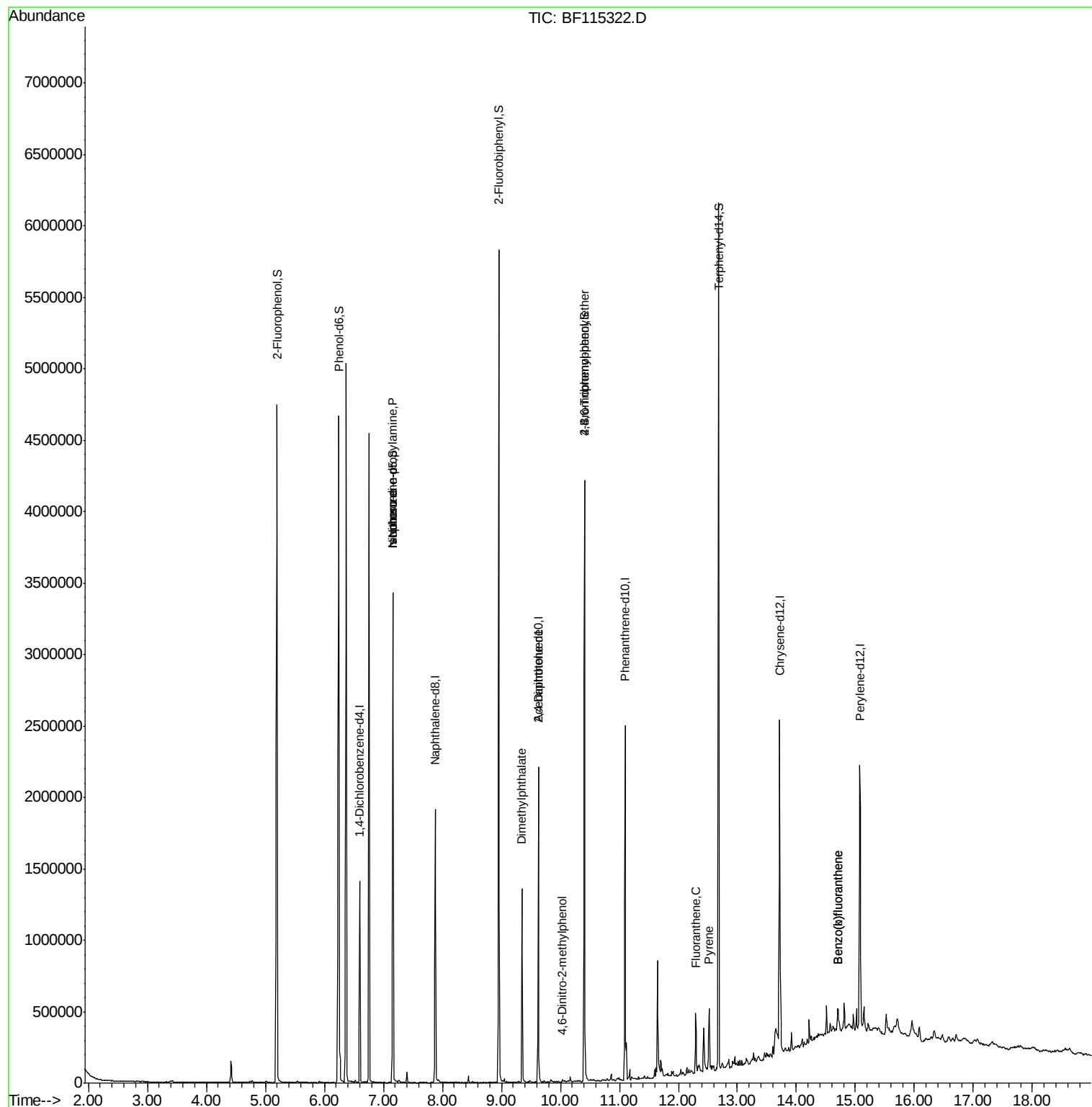
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	153326	14.411	ng	# 78
25) Isophorone	7.16	82	1161031	42.878	ng	# 63
50) Dimethylphthalate	9.35	163	506382	16.993	ng	# 99
57) 2,4-Dinitrotoluene	9.62	165	51414	5.788	ng	# 30
58) Fluorene	10.17	166	4196	Below Cal		# 88
65) 4,6-Dinitro-2-methylphenol	10.04	198	1091	5.185	ng	# 62
67) 4-Bromophenyl-phenylether	10.41	248	36501	4.123	ng	# 1
75) Fluoranthene	12.30	202	155170	3.538	ng	# 98
78) Pyrene	12.52	202	170544	3.003	ng	# 97
88) Benzo(b)fluoranthene	14.71	252	110782	2.249	ng	# 96
89) Benzo(k)fluoranthene	14.71	252	110782	2.507	ng	# 96

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

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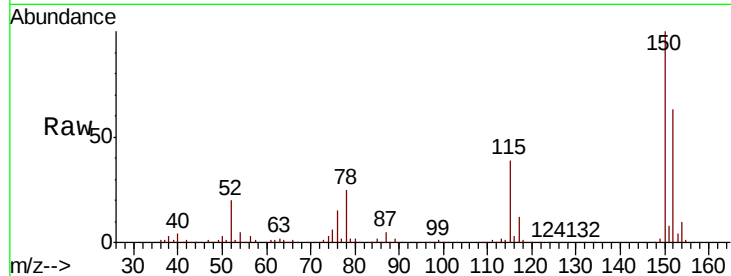




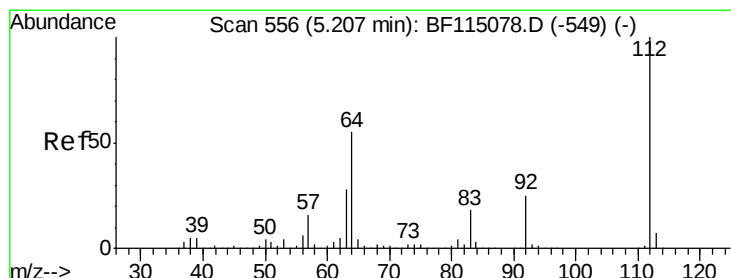
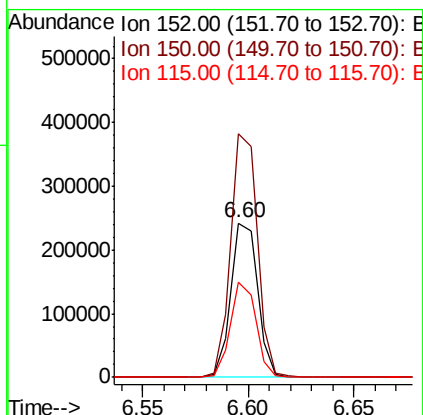
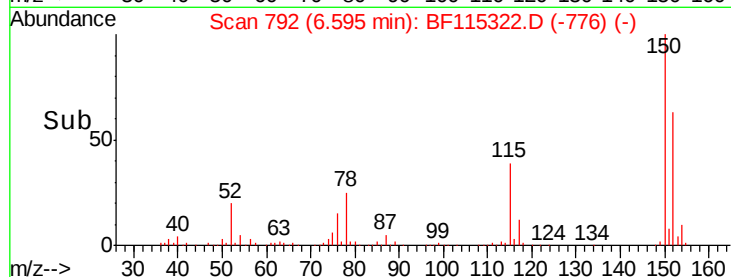
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF115322.D
 Acq: 29 Jun 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 S-1-17-17.5-BGS

Tgt Ion:152 Resp: 211286
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.2 186.2
 115 61.6 46.1 69.1

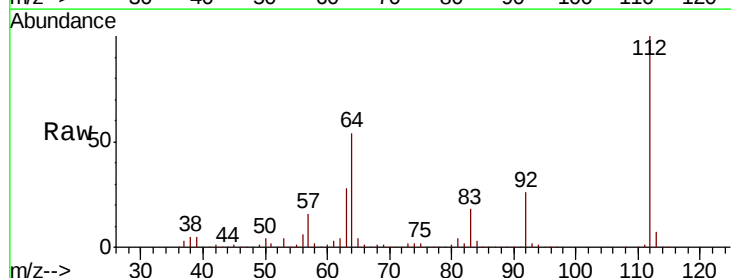


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

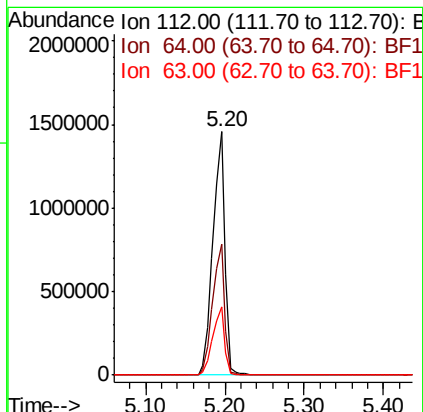
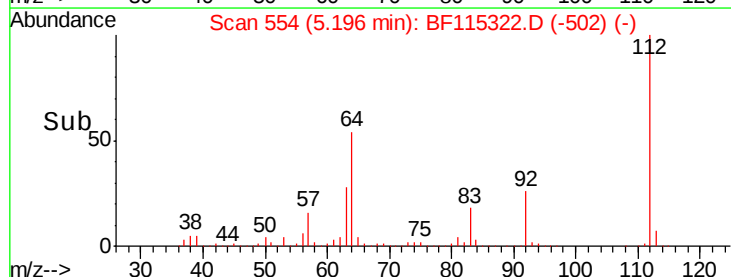


#5
 2-Fluorophenol
 Concen: 112.360 ng
 RT: 5.20 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: BF115322.D
 Acq: 29 Jun 2019 14:53

Tgt Ion:112 Resp: 1538398
 Ion Ratio Lower Upper
 112 100
 64 53.6 43.8 65.6
 63 27.8 22.2 33.4



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: 117.335 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

Instrument :

BNA_F

ClientSampleId :

S-1-17-17.5-BGS

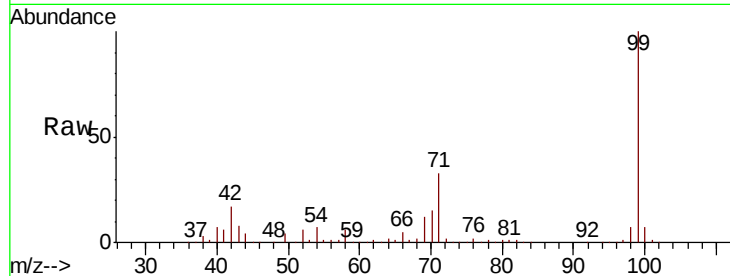
Tgt Ion: 99 Resp: 1949912

Ion Ratio Lower Upper

99 100

42 17.3 13.6 20.4

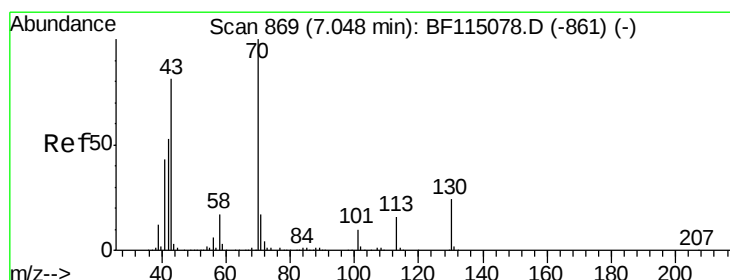
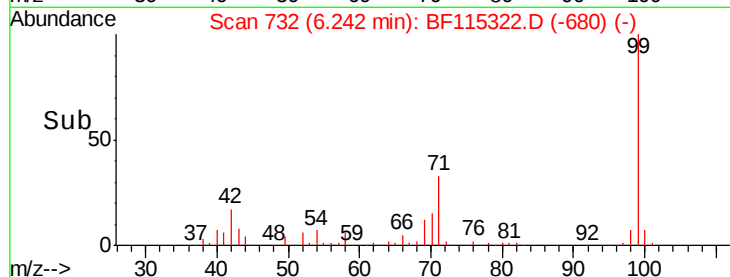
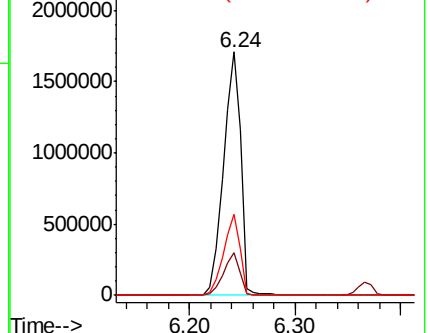
71 33.4 25.5 38.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.411 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

Tgt Ion: 70 Resp: 153326

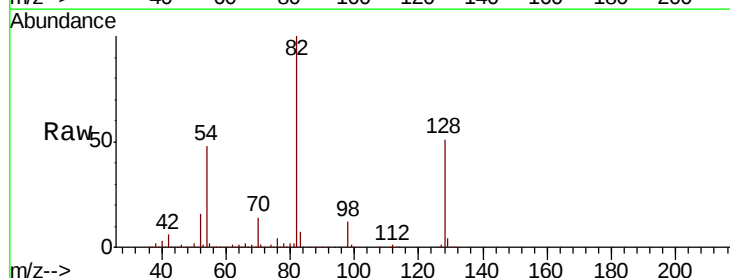
Ion Ratio Lower Upper

70 100

42 45.2 42.6 63.8

101 0.0 8.0 12.0#

130 2.2 19.4 29.0#

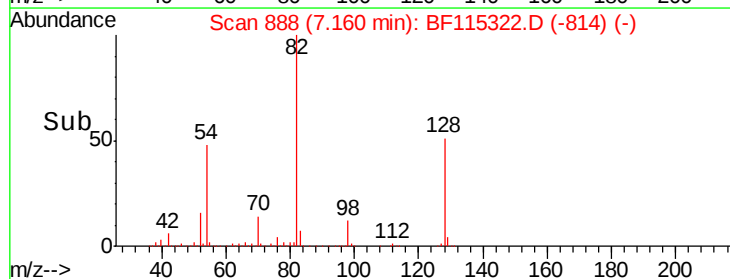
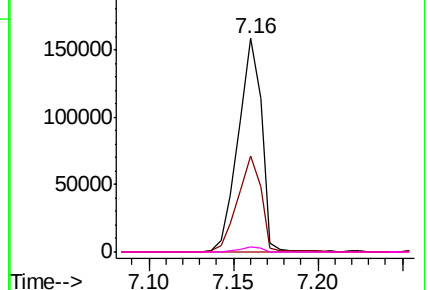


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

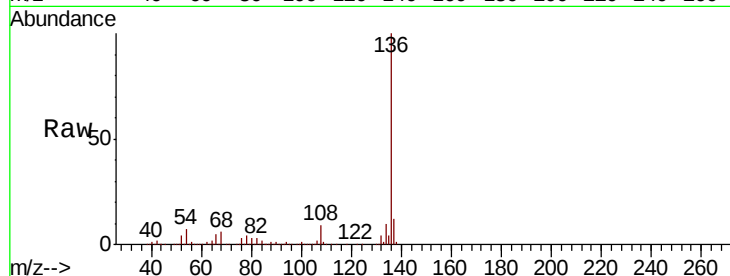




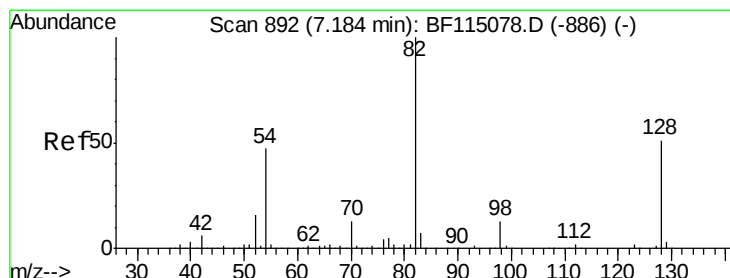
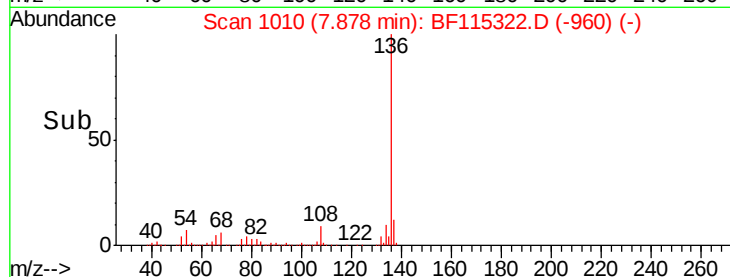
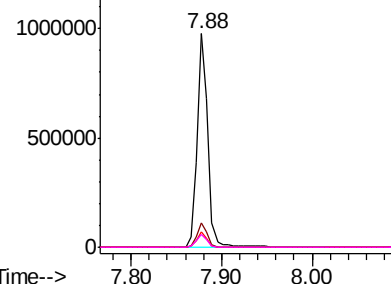
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115322.D
Acq: 29 Jun 2019 14:53

Instrument :
BNA_F
ClientSampleId :
S-1-17-17.5-BGS

Tgt Ion:	136	Resp:	813103
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	7.2	5.6	8.4
68	6.1	4.8	7.2

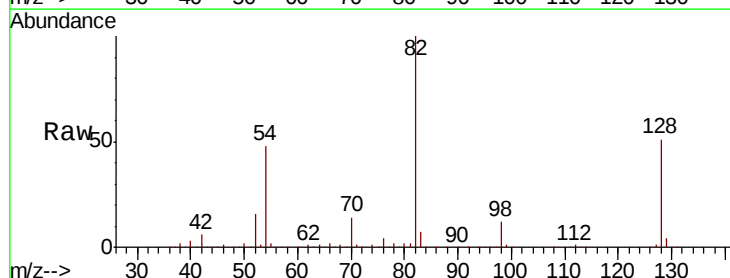


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

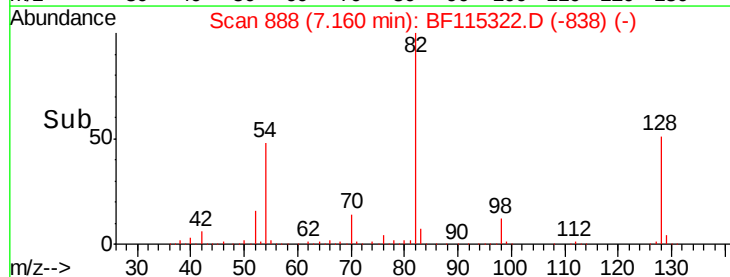
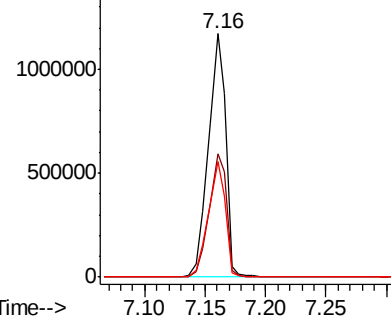


#23
Nitrobenzene-d5
Concen: 87.839 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115322.D
Acq: 29 Jun 2019 14:53

Tgt Ion:	82	Resp:	1161047
Ion	Ratio	Lower	Upper
82	100		
128	50.7	40.4	60.6
54	47.6	37.5	56.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.878 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

Instrument :

BNA_F

ClientSampleId :

S-1-17-17.5-BGS

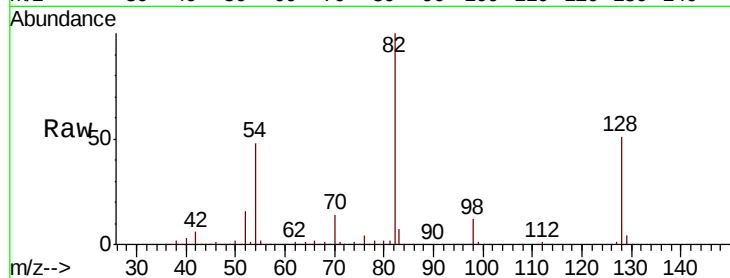
Tgt Ion: 82 Resp: 1161031

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

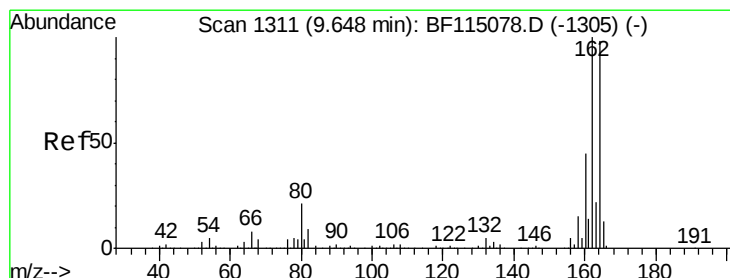
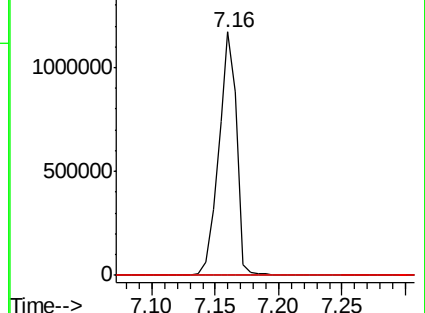
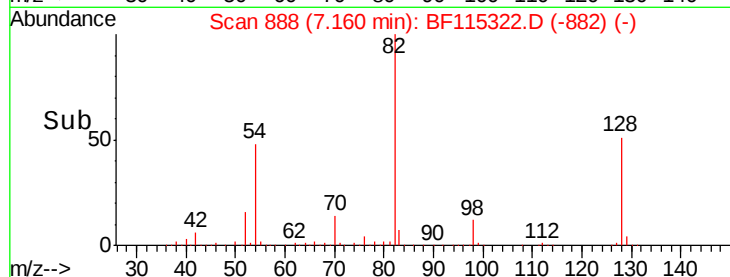
138 0.0 15.9 23.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

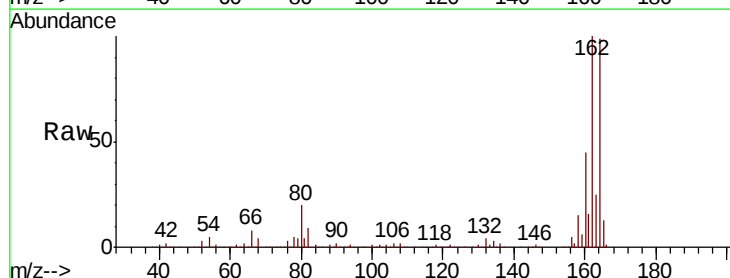
Tgt Ion: 164 Resp: 405048

Ion Ratio Lower Upper

164 100

162 101.3 81.7 122.5

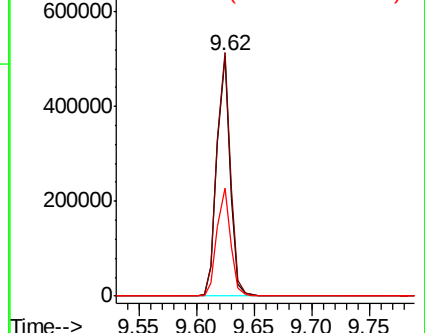
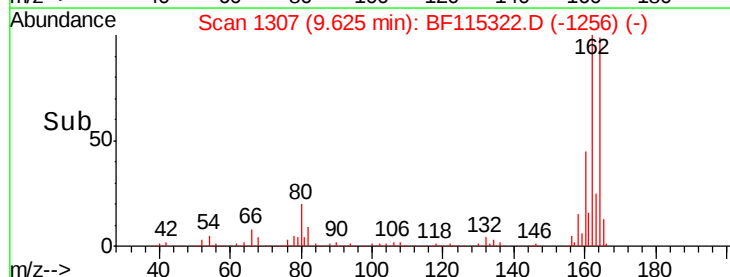
160 45.2 37.0 55.4



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

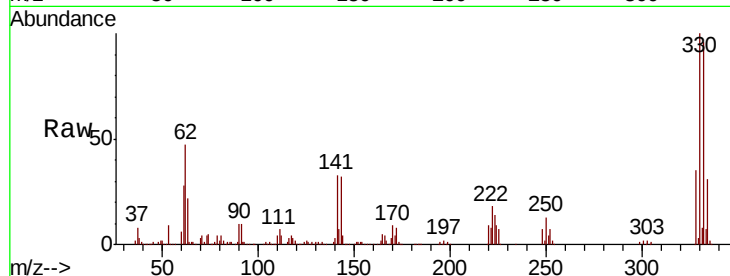




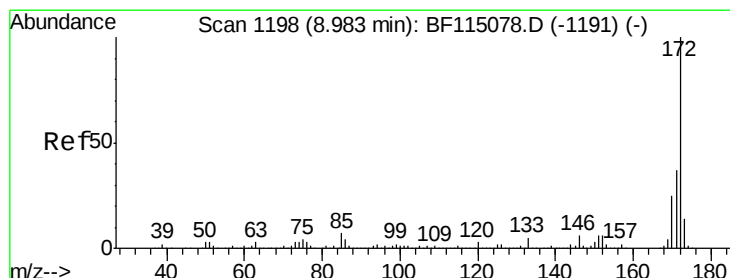
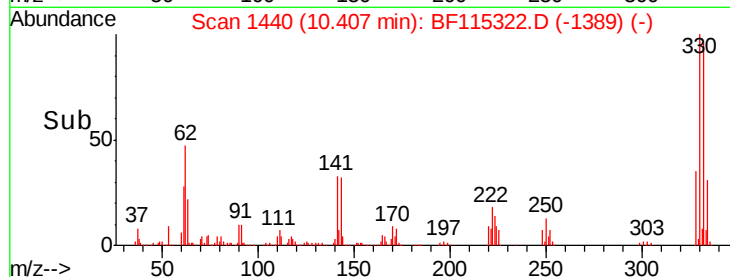
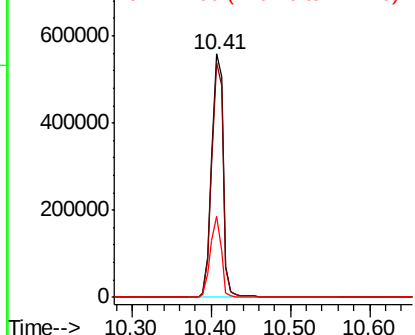
#42
 2,4,6-Tribromophenol
 Concen: 133.011 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115322.D
 Acq: 29 Jun 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 S-1-17-17.5-BGS

Tgt Ion:330 Resp: 568139
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.3 115.9
 141 31.8 28.2 42.2

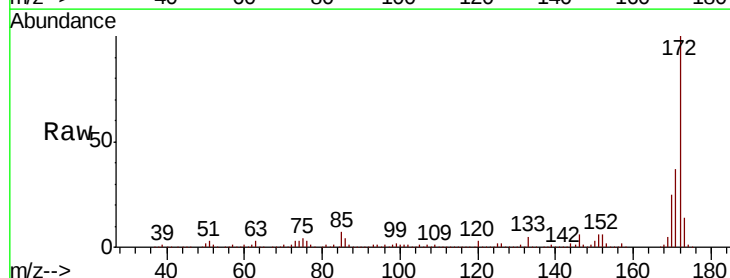


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

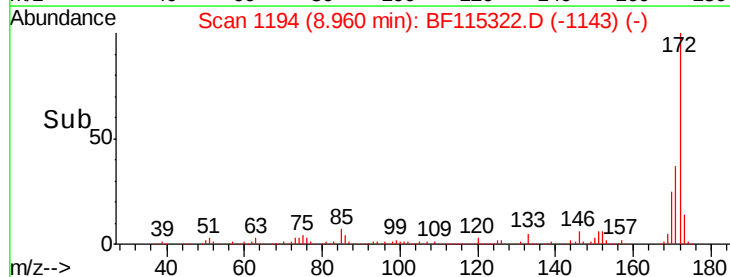
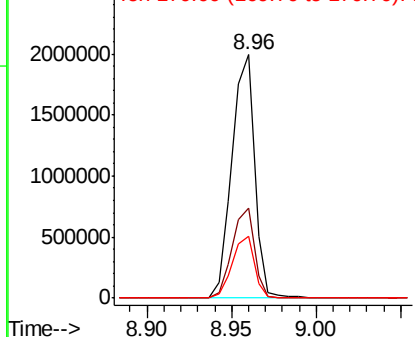


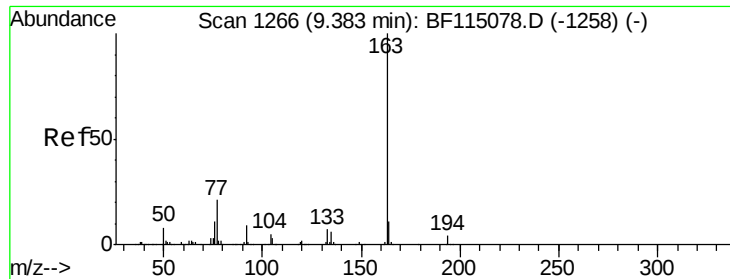
#45
 2-Fluorobiphenyl
 Concen: 78.449 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF115322.D
 Acq: 29 Jun 2019 14:53

Tgt Ion:172 Resp: 1870678
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 25.4 20.3 30.5



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

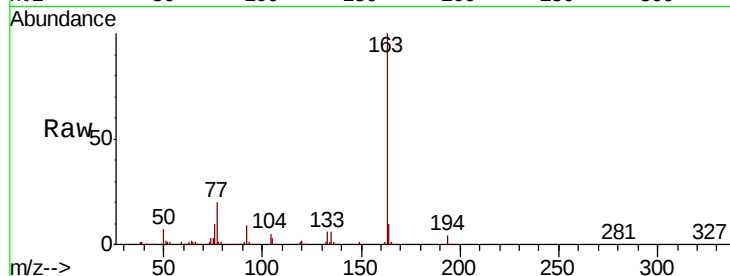




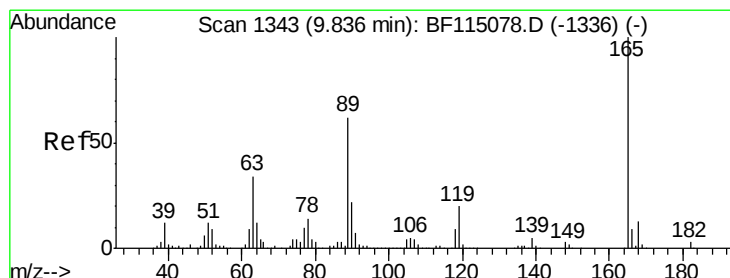
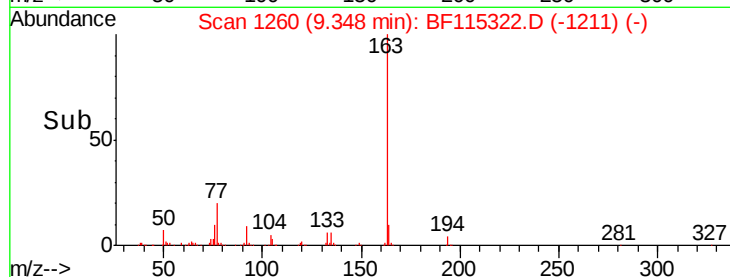
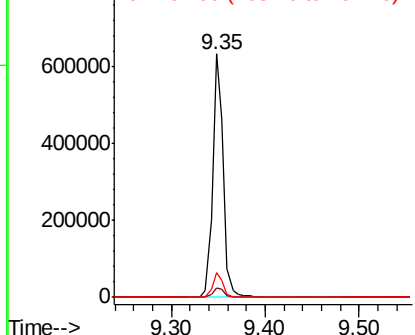
#50
Dimethylphthalate
Concen: 16.993 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115322.D
Acq: 29 Jun 2019 14:53

Instrument :
BNA_F
ClientSampleId :
S-1-17-17.5-BGS

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.3	8.6	13.0

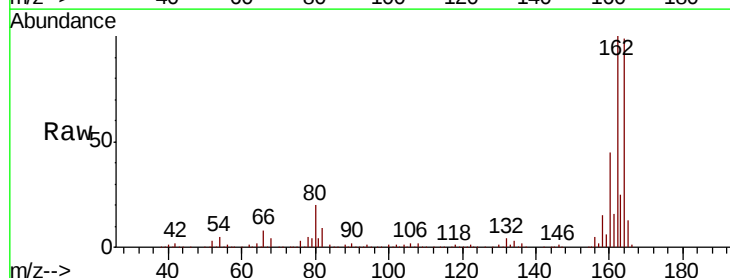


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

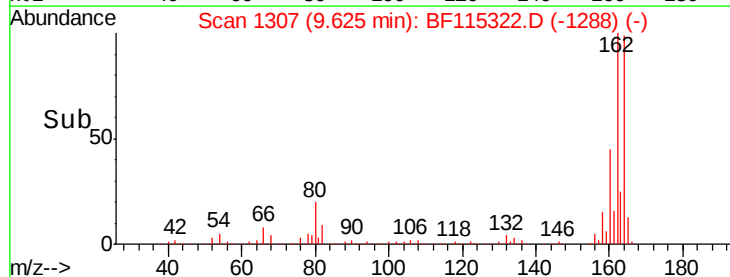
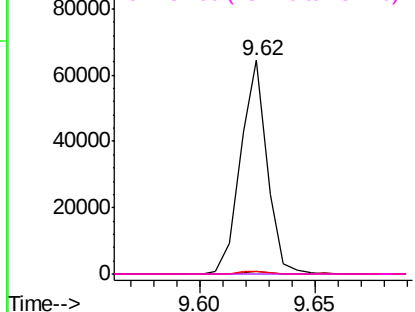


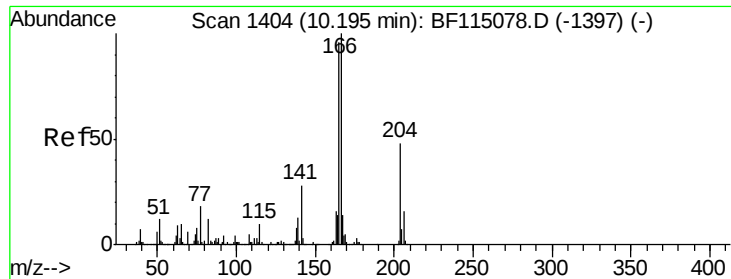
#57
2,4-Dinitrotoluene
Concen: 5.788 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF115322.D
Acq: 29 Jun 2019 14:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	27.5	41.3#
89	1.1	49.9	74.9#
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





#58

Fluorene

Concen: Below Cal

RT: 10.17 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

Instrument :

BNA_F

ClientSampleId :

S-1-17-17.5-BGS

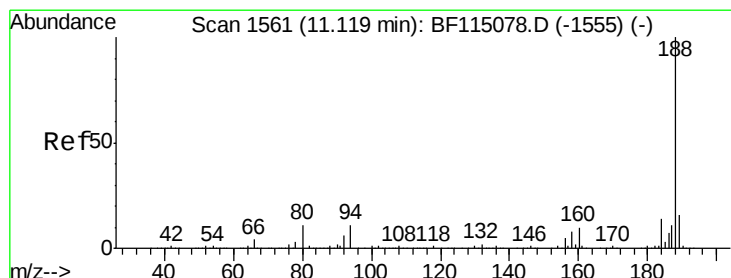
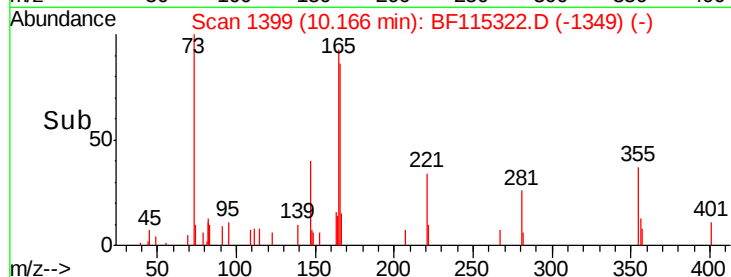
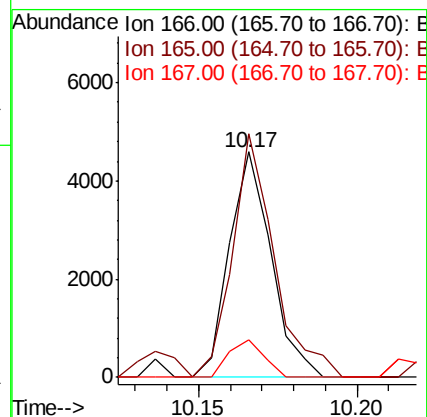
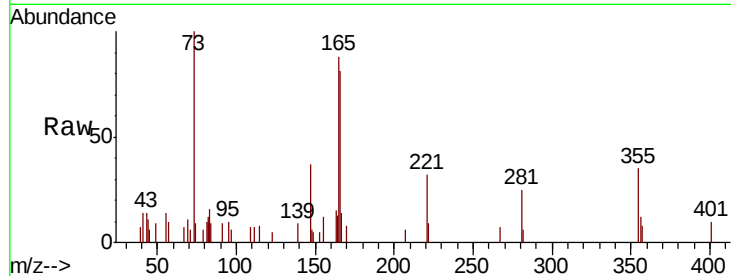
Tgt Ion:166 Resp: 4196

Ion Ratio Lower Upper

166 100

165 107.9 76.5 114.7

167 16.8 11.0 16.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

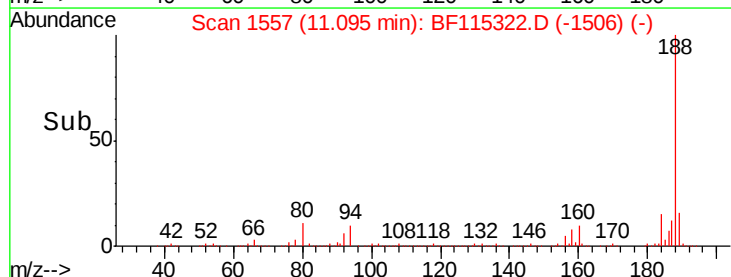
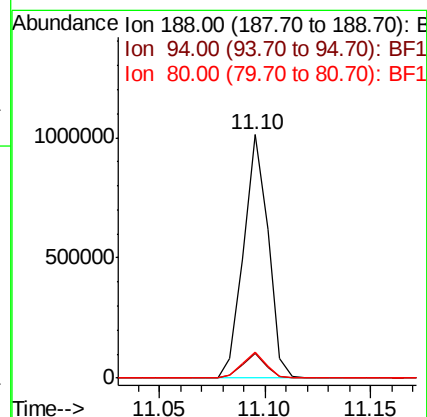
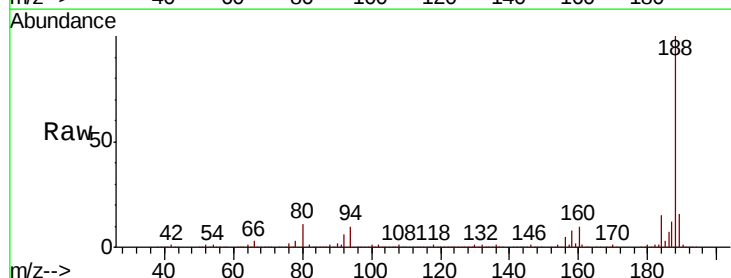
Tgt Ion:188 Resp: 816456

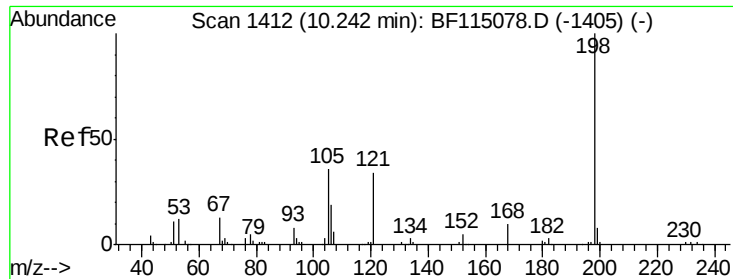
Ion Ratio Lower Upper

188 100

94 10.0 8.6 12.8

80 10.5 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 5.185 ng

RT: 10.04 min Scan# 1377

Delta R.T. -0.18 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

Instrument :

BNA_F

ClientSampleId :

S-1-17-17.5-BGS

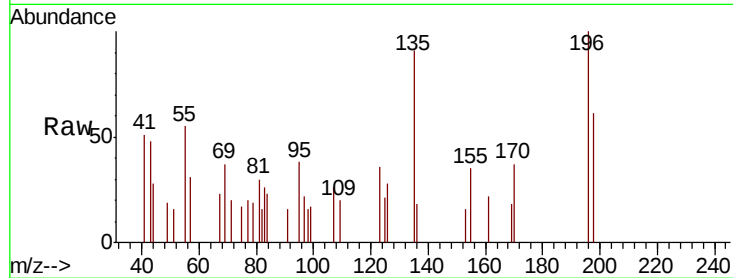
Tgt Ion:198 Resp: 1091

Ion Ratio Lower Upper

198 100

51 26.2 11.0 51.0

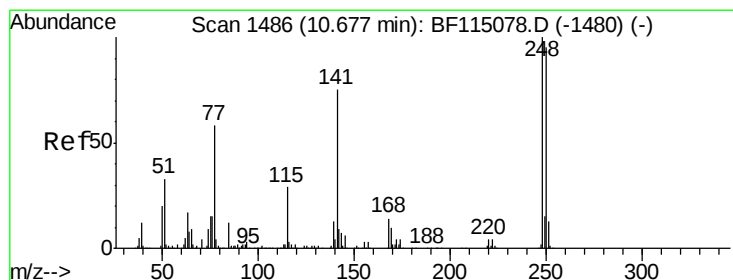
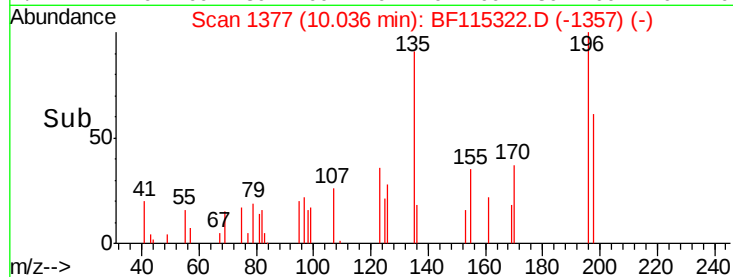
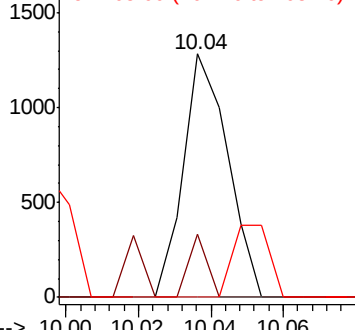
105 0.0 17.3 57.3#



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



#67

4-Bromophenyl-phenylether

Concen: 4.123 ng

RT: 10.41 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

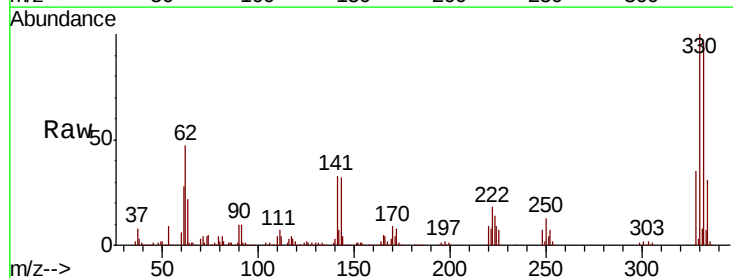
Tgt Ion:248 Resp: 36501

Ion Ratio Lower Upper

248 100

250 191.0 76.2 114.2#

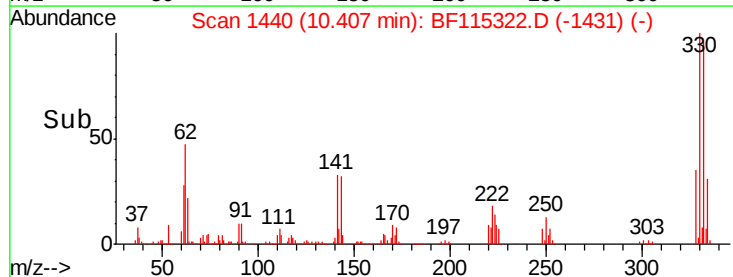
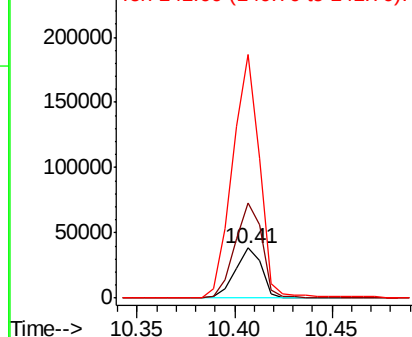
141 487.2 59.6 89.4#

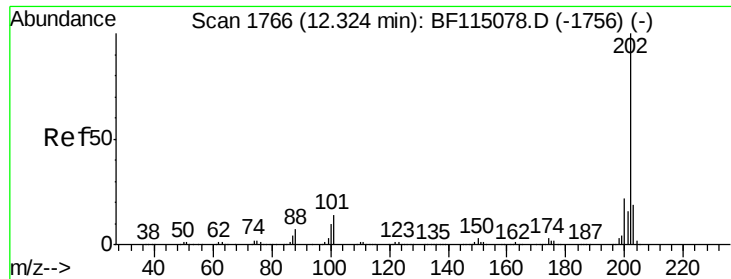


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.538 ng

RT: 12.30 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

Instrument :

BNA_F

ClientSampleId :

S-1-17-17.5-BGS

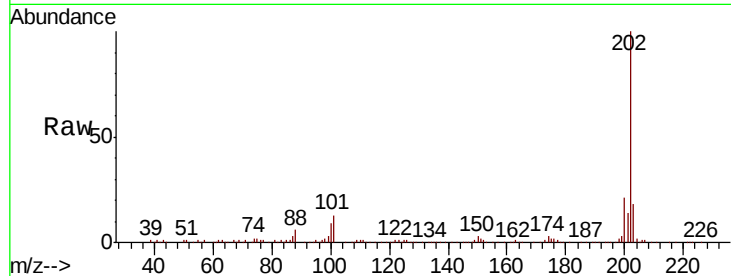
Tgt Ion: 202 Resp: 155170

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.0

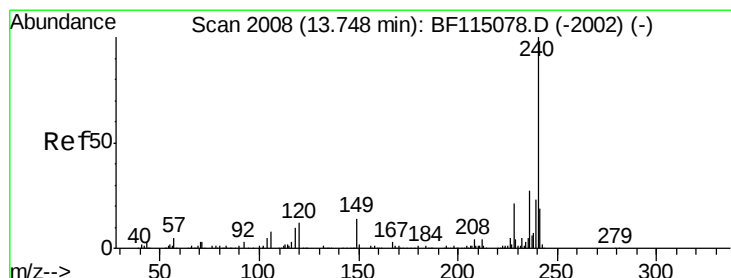
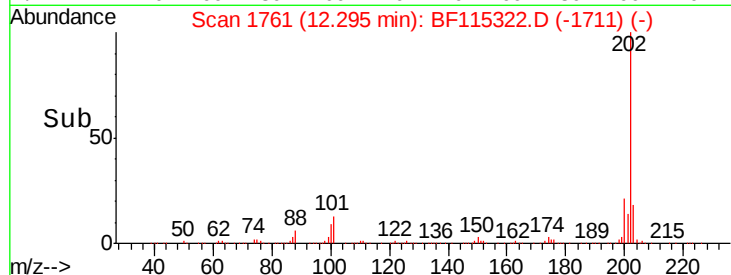
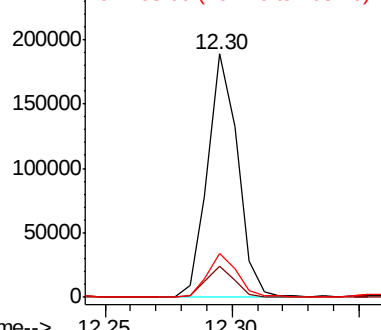
203 18.3 0.0 38.8



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: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115322.D

Acq: 29 Jun 2019 14:53

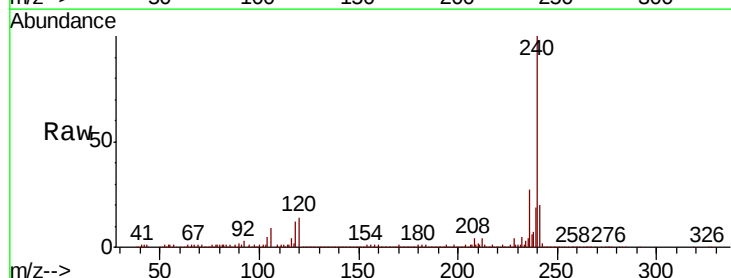
Tgt Ion: 240 Resp: 738926

Ion Ratio Lower Upper

240 100

120 13.6 9.4 14.2

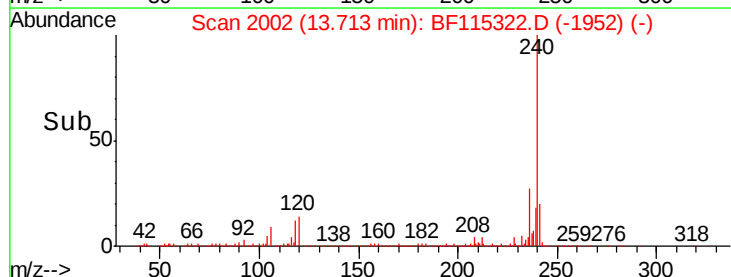
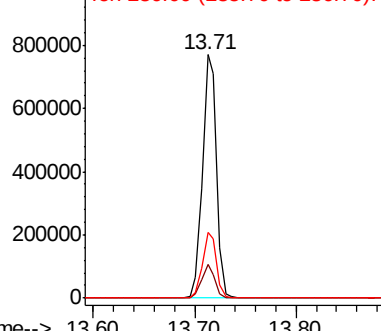
236 27.1 21.7 32.5

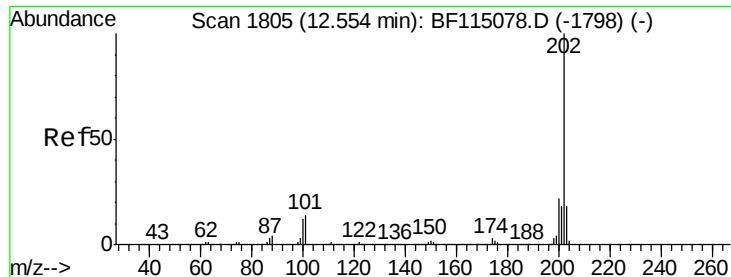


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

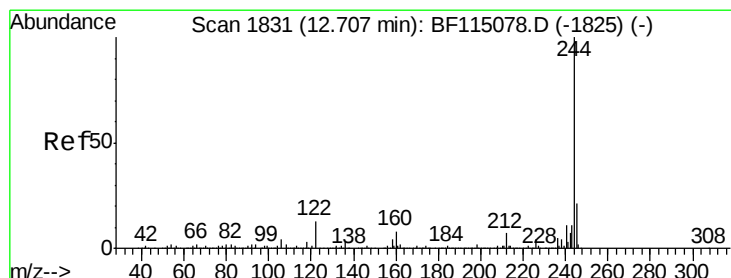
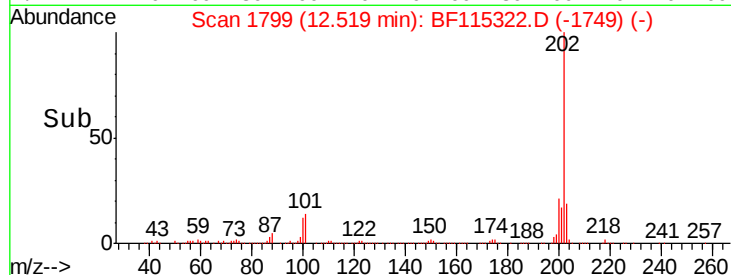
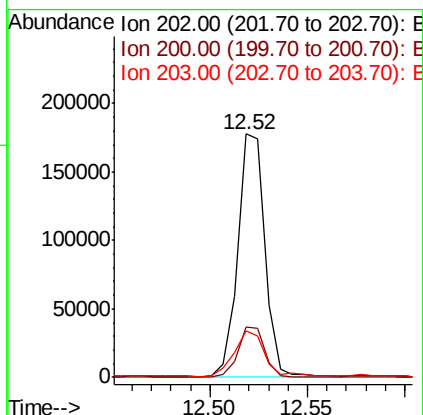
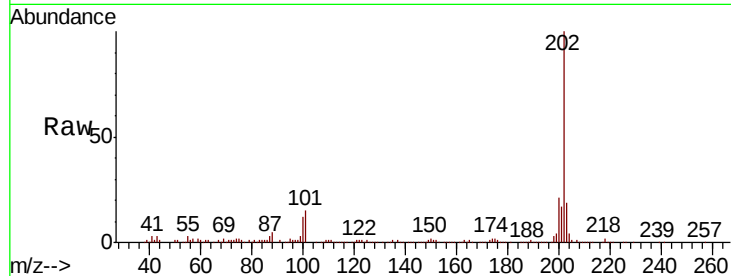




#78
 Pyrene
 Concen: 3.003 ng
 RT: 12.52 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF115322.D
 Acq: 29 Jun 2019 14:53

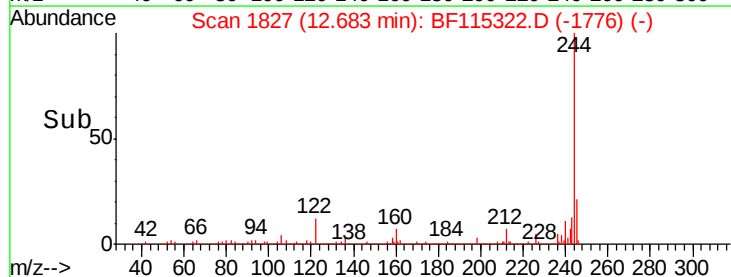
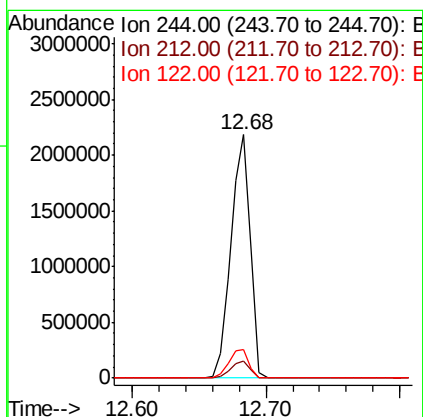
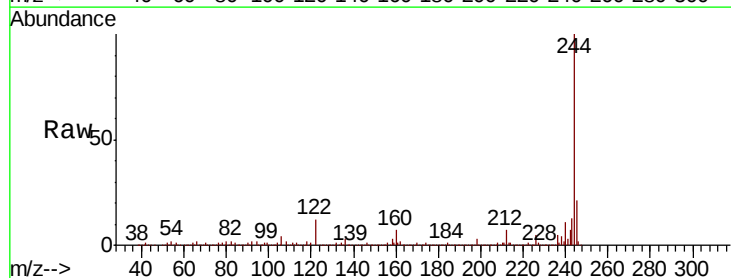
Instrument :
 BNA_F
 ClientSampleId :
 S-1-17-17.5-BGS

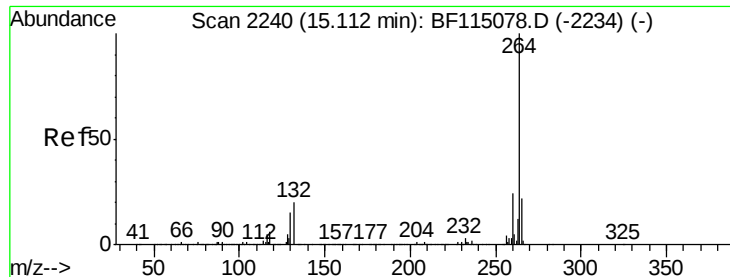
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.9	26.9
203	19.0	14.6	21.8



#79
 Terphenyl-d14
 Concen: 63.947 ng
 RT: 12.68 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF115322.D
 Acq: 29 Jun 2019 14:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	11.9	10.4	15.6



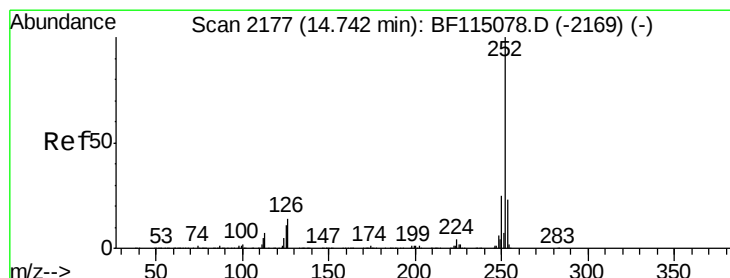
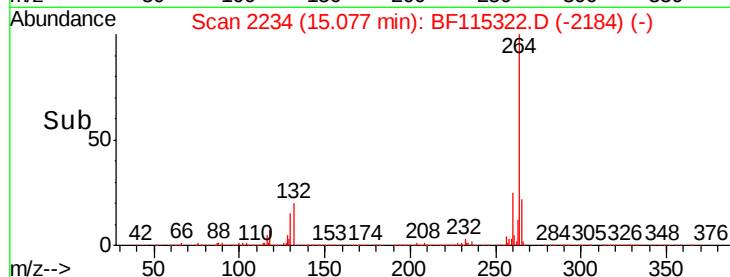
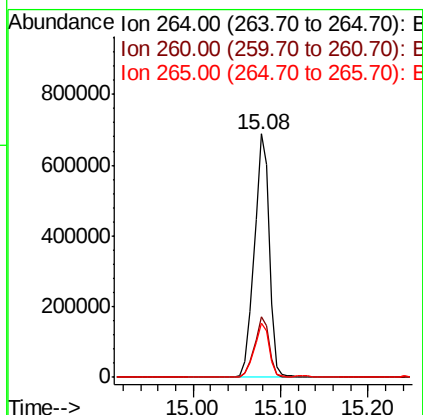
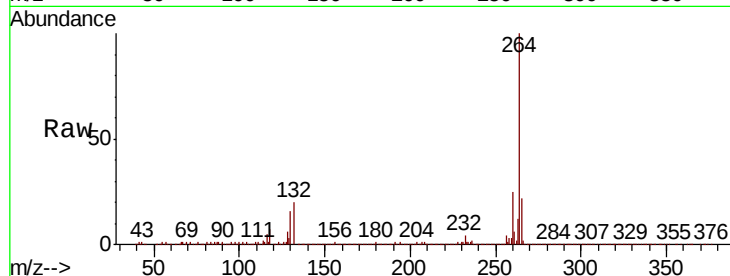


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF115322.D
Acq: 29 Jun 2019 14:53

Instrument :
BNA_F
ClientSampleId :
S-1-17-17.5-BGS

Tgt Ion: 264 Resp: 789578

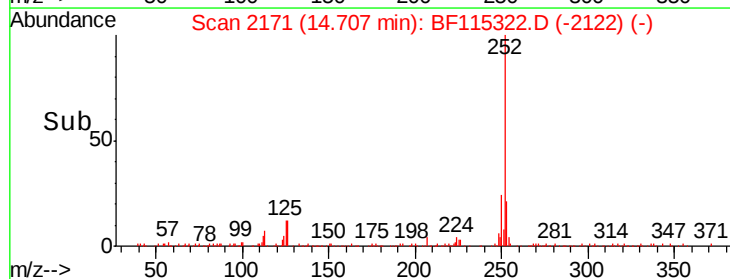
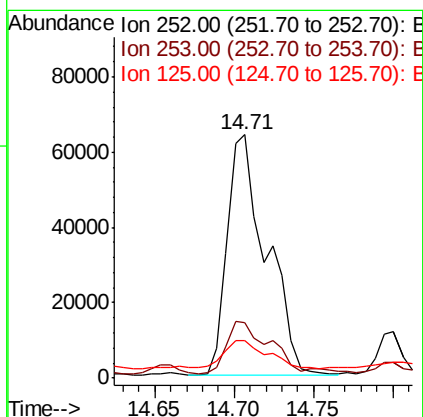
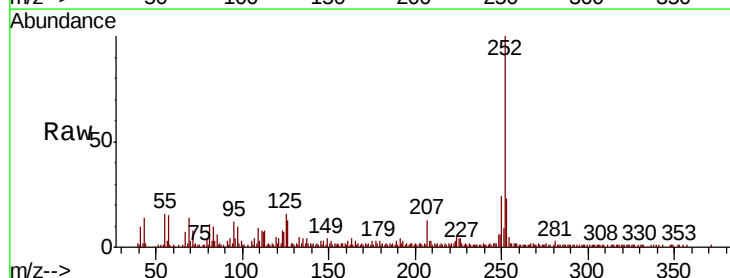
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.6	29.4
265	22.0	17.3	25.9

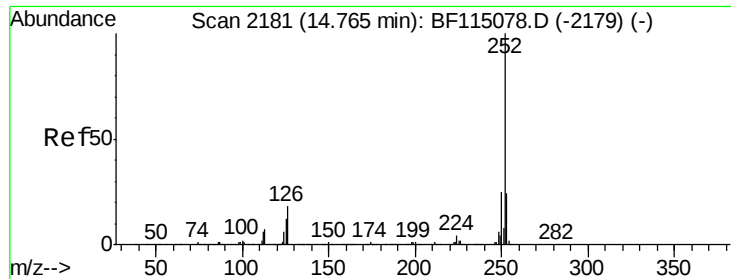


#88
Benzo(b)fluoranthene
Concen: 2.249 ng
RT: 14.71 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF115322.D
Acq: 29 Jun 2019 14:53

Tgt Ion: 252 Resp: 110782

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.5	8.7	13.1

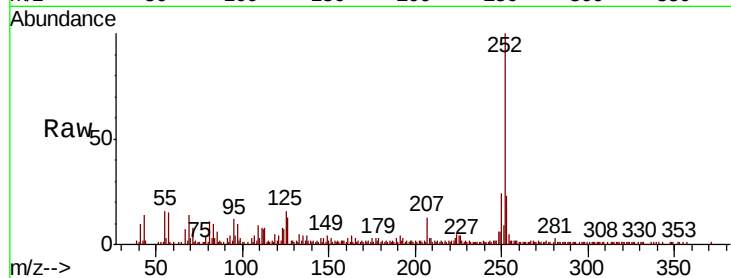




#89
 Benzo(k)fluoranthene
 Concen: 2.507 ng
 RT: 14.71 min Scan# 2171
 Delta R.T. -0.04 min
 Lab File: BF115322.D
 Acq: 29 Jun 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 S-1-17-17.5-BGS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.9	28.3
125	15.5	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

