

Data File : BF115306.D
Acq On : 29 Jun 2019 2:21
Operator : HP/JU
Sample : K3531-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-043-A

Quant Time: Jun 29 02:46:27 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	241415	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	926506	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	446434	20.00	ng	0.00
64) Phenanthrene-d10	11.09	188	829421	20.00	ng	0.00
76) Chrysene-d12	13.72	240	607986	20.00	ng	0.00
87) Perylene-d12	15.08	264	454128	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1392878	89.04	ng	0.01
7) Phenol-d6	6.24	99	1767277	93.07	ng	0.00
23) Nitrobenzene-d5	7.16	82	1023478	67.95	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	470437	99.93	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	1838671	69.96	ng	0.00
79) Terphenyl-d14	12.68	244	1884505	65.90	ng	0.00

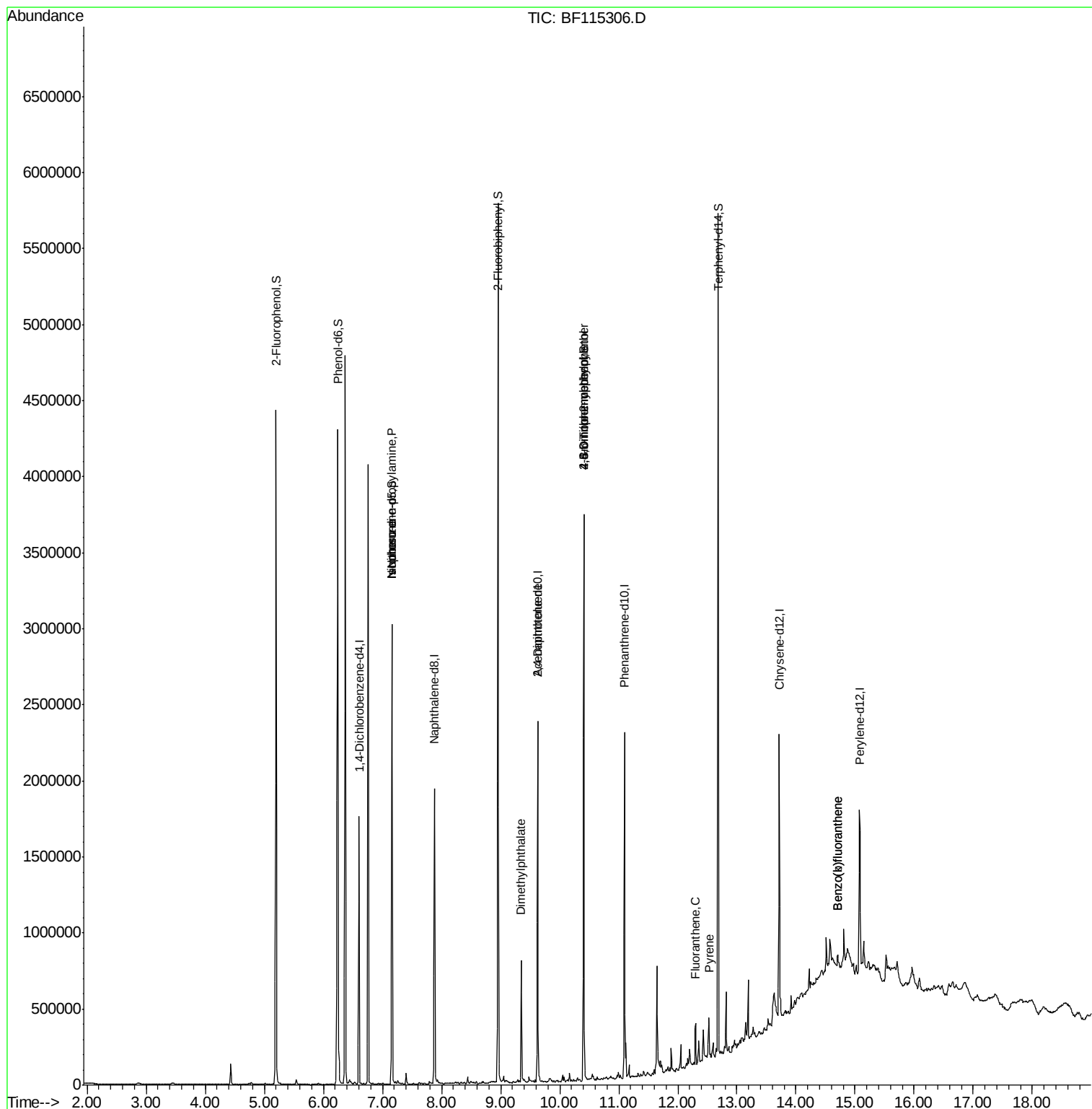
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.16	70	134765	11.086	ng	# 77
25) Isophorone	7.16	82	1023462	33.171	ng	# 63
50) Dimethylphthalate	9.35	163	304950	9.284	ng	99
57) 2,4-Dinitrotoluene	9.62	165	58313	5.956	ng	# 30
58) Fluorene	10.17	166	8882	Below Cal		# 92
65) 4,6-Dinitro-2-methylphenol	10.41	198	929	5.149	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	29301	3.258	ng	# 1
75) Fluoranthene	12.30	202	108288	2.430	ng	95
78) Pyrene	12.52	202	105306	2.254	ng	98
88) Benzo(b)fluoranthene	14.71	252	64878	2.290	ng	# 81
89) Benzo(k)fluoranthene	14.71	252	64878	2.553	ng	# 85

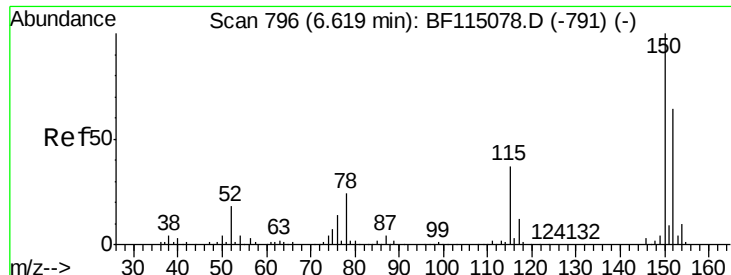
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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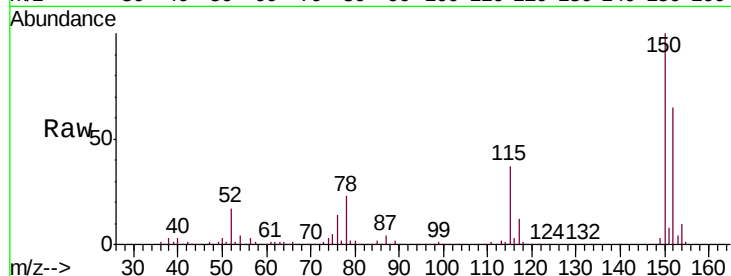




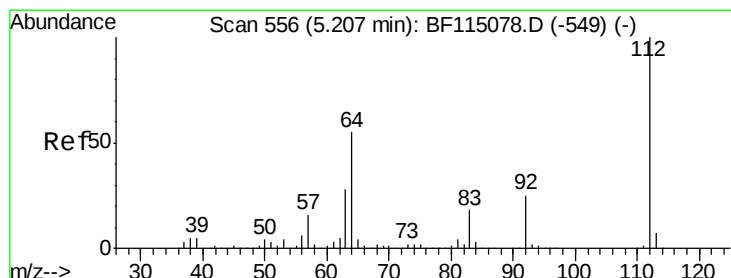
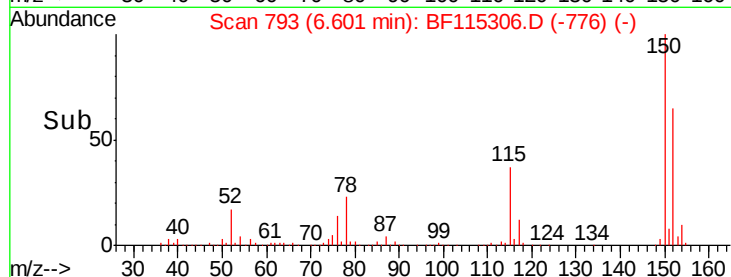
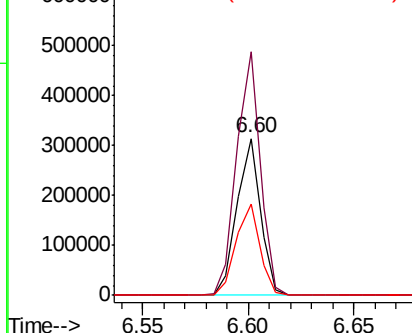
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF115306.D
 Acq: 29 Jun 2019 2:21

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-043-A

Tgt Ion:152 Resp: 241415
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.2 186.2
 115 57.8 46.1 69.1

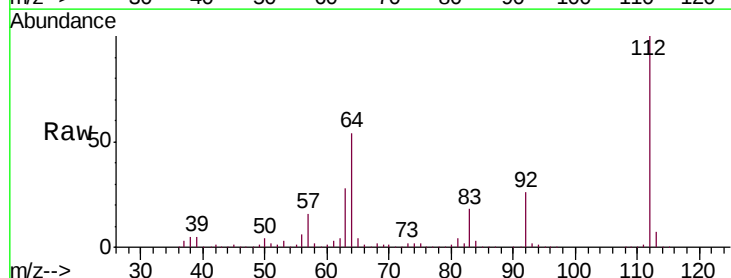


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

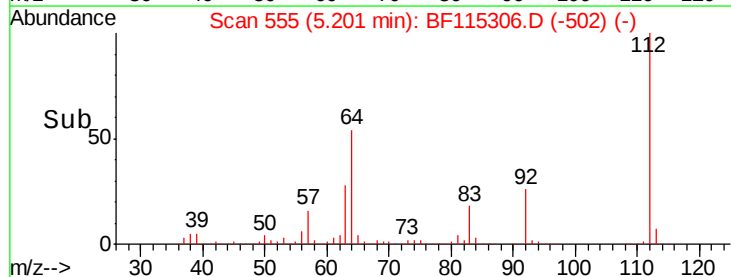
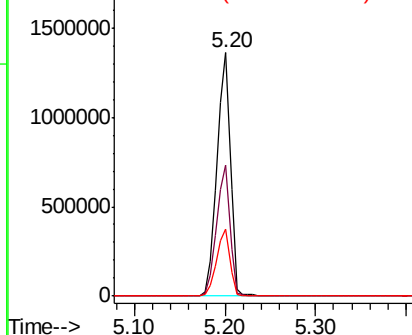


#5
 2-Fluorophenol
 Concen: 89.035 ng
 RT: 5.20 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF115306.D
 Acq: 29 Jun 2019 2:21

Tgt Ion:112 Resp: 1392878
 Ion Ratio Lower Upper
 112 100
 64 53.8 43.8 65.6
 63 27.5 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: 93.073 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-043-A

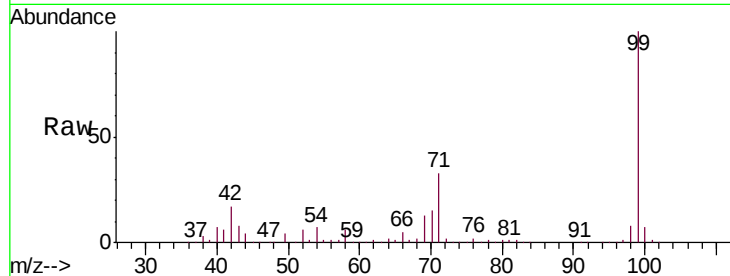
Tgt Ion: 99 Resp: 1767277

Ion Ratio Lower Upper

99 100

42 17.2 13.6 20.4

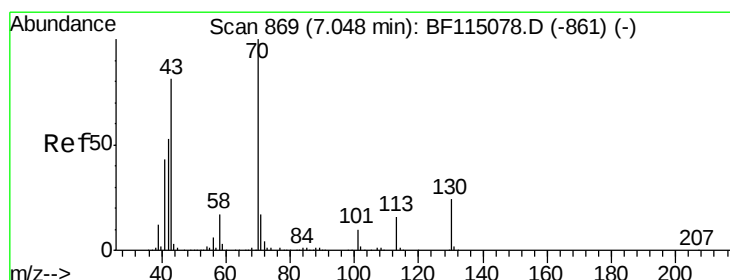
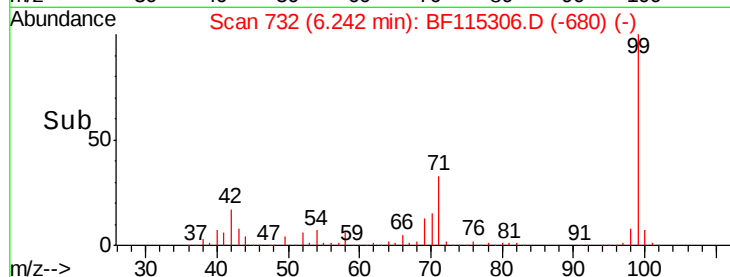
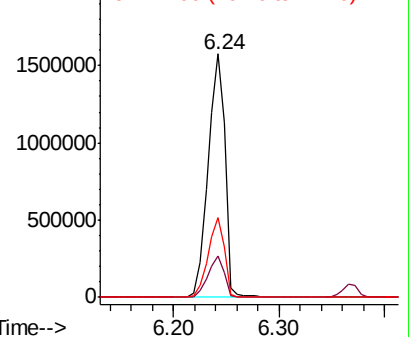
71 33.0 25.5 38.3



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: 11.086 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

Tgt Ion: 70 Resp: 134765

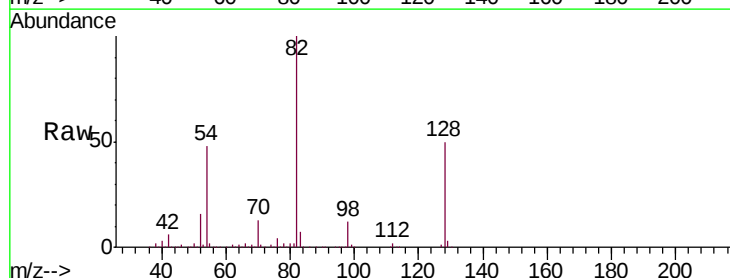
Ion Ratio Lower Upper

70 100

42 43.8 42.6 63.8

101 0.0 8.0 12.0#

130 2.6 19.4 29.0#

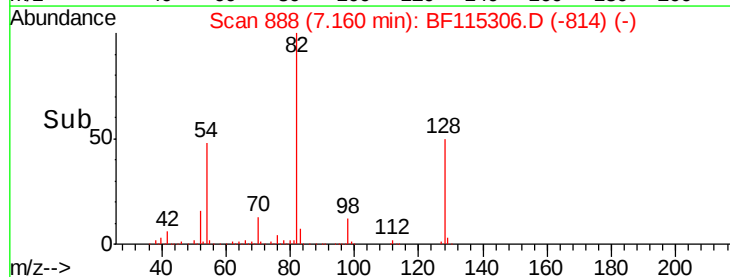
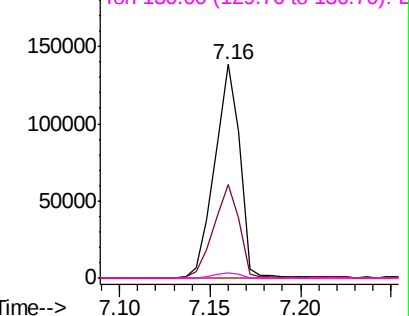


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

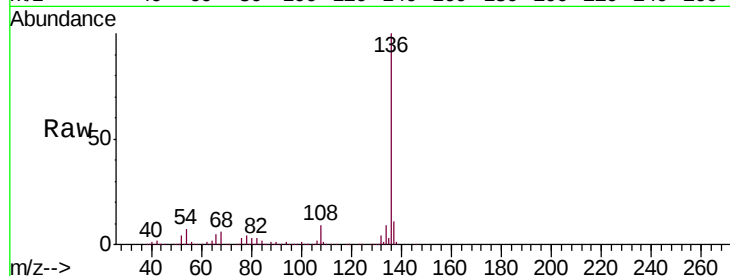




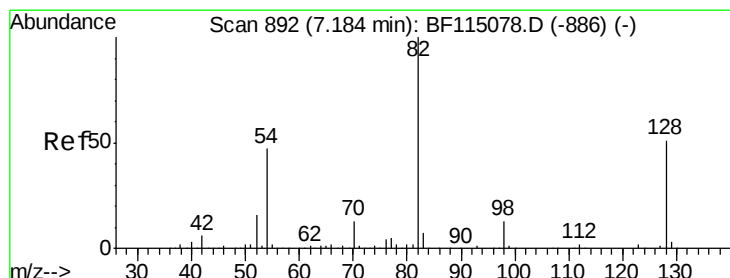
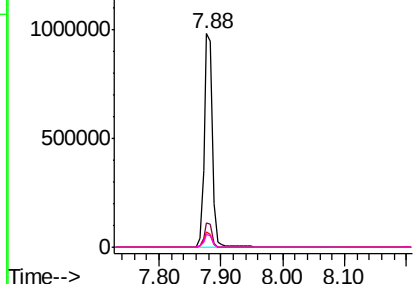
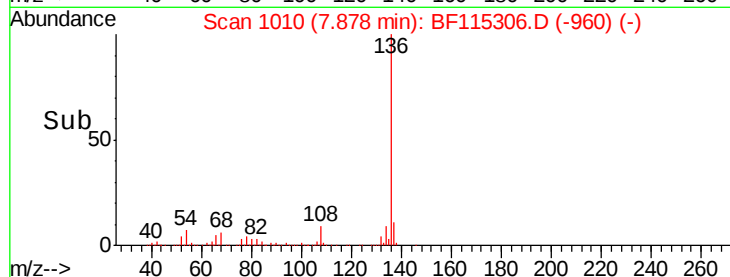
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115306.D
Acq: 29 Jun 2019 2:21

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-043-A

Tgt Ion:	136	Resp:	926506
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.4	5.6	8.4
68	6.3	4.8	7.2

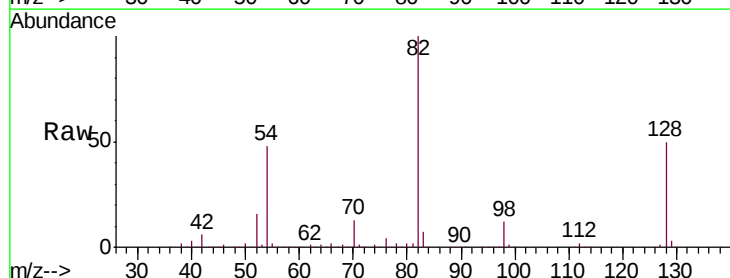


Abundance Ion 136.00 (135.70 to 136.70): E
1500000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

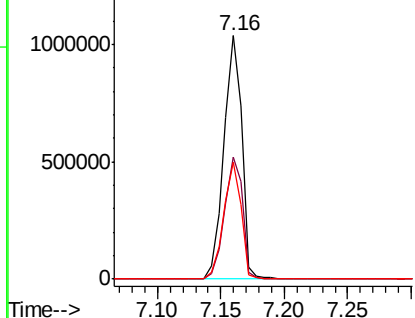
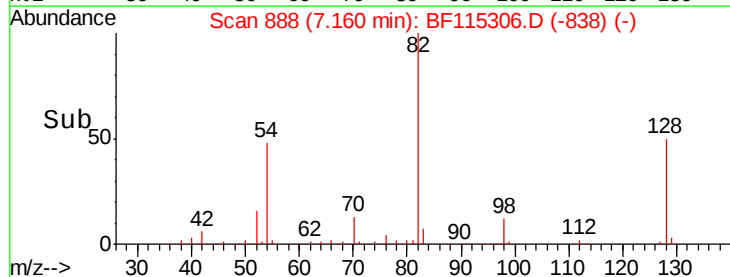


#23
Nitrobenzene-d5
Concen: 67.954 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115306.D
Acq: 29 Jun 2019 2:21

Tgt Ion:	82	Resp:	1023478
Ion	Ratio	Lower	Upper
82	100		
128	50.0	40.4	60.6
54	47.8	37.5	56.3



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: 33.171 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-043-A

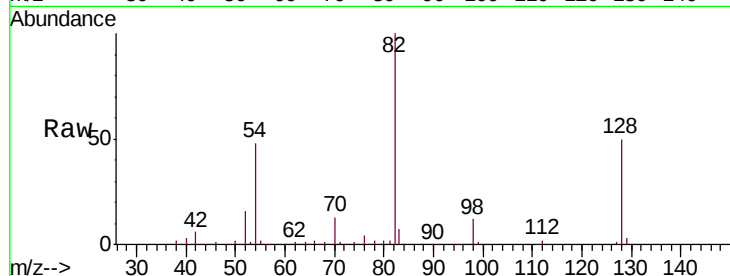
Tgt Ion: 82 Resp: 1023462

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

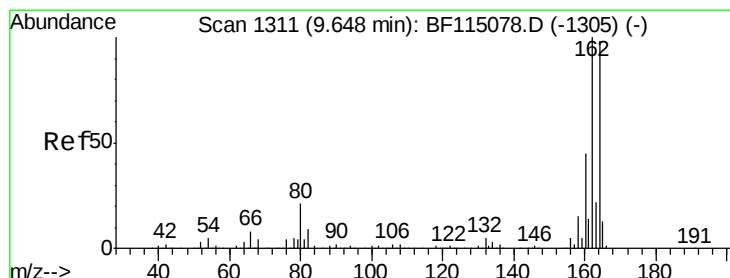
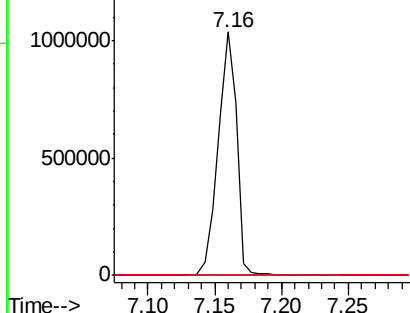
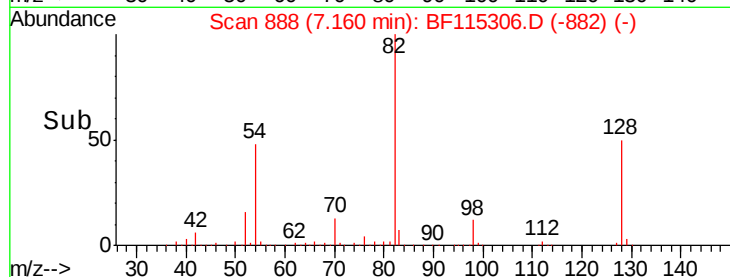
138 0.0 15.9 23.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

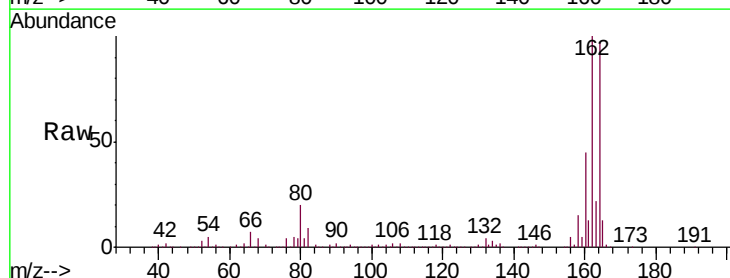
Tgt Ion: 164 Resp: 446434

Ion Ratio Lower Upper

164 100

162 103.0 81.7 122.5

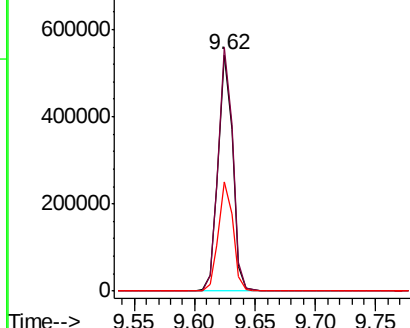
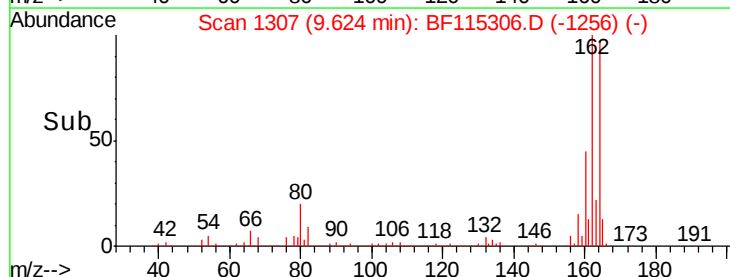
160 46.3 37.0 55.4

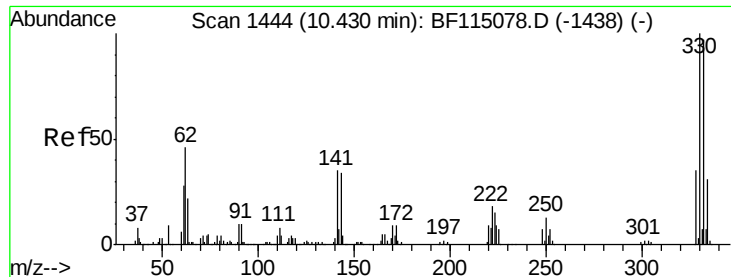


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

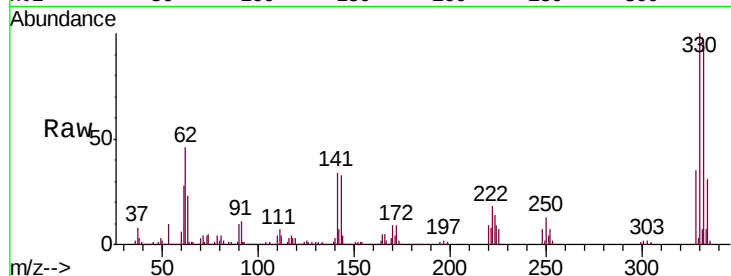




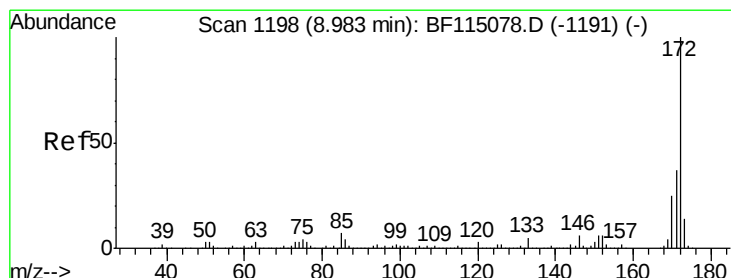
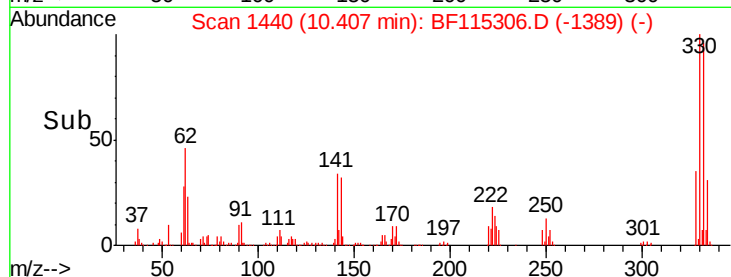
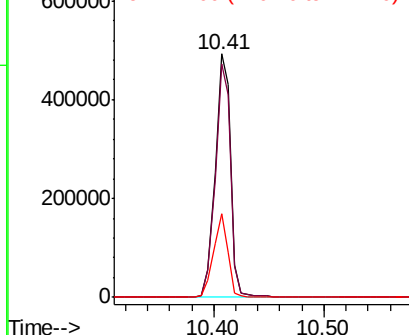
#42
 2,4,6-Tribromophenol
 Concen: 99.927 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115306.D
 Acq: 29 Jun 2019 2:21

Instrument :
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 FK-GF-02-043-A

Tgt Ion: 330 Resp: 470437
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.3 115.9
 141 32.7 28.2 42.2

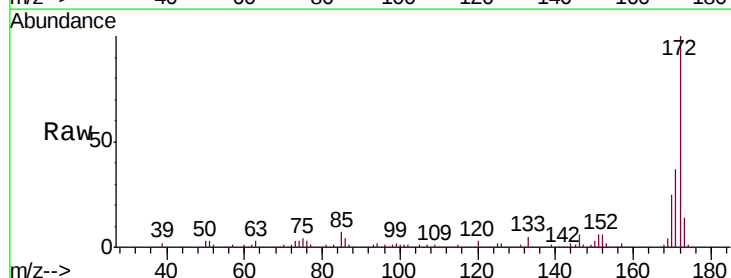


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

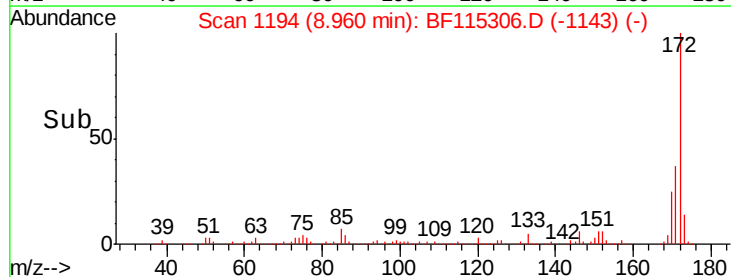
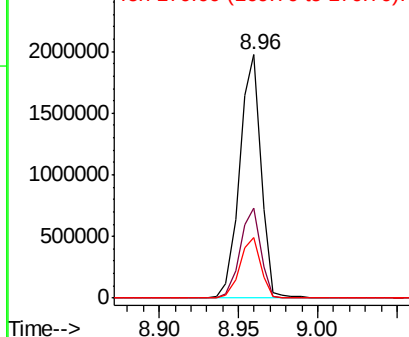


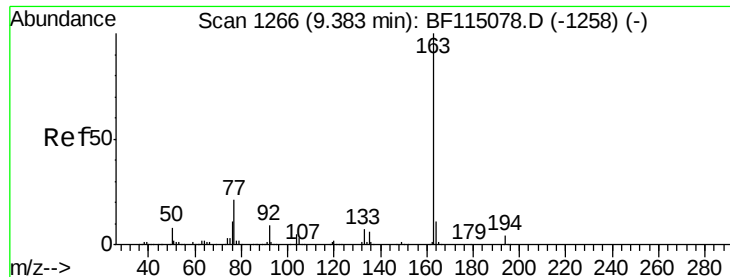
#45
 2-Fluorobiphenyl
 Concen: 69.959 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF115306.D
 Acq: 29 Jun 2019 2:21

Tgt Ion: 172 Resp: 1838671
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.6
 170 25.0 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

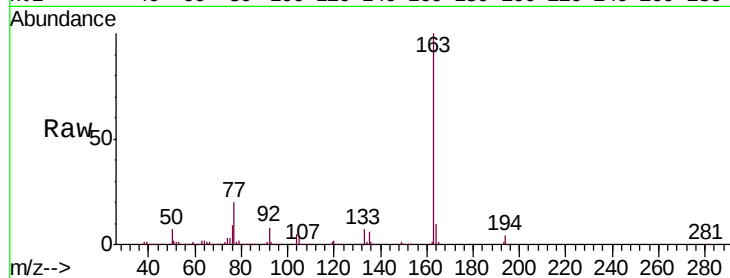




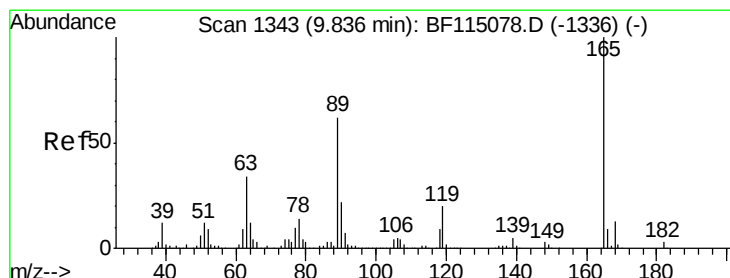
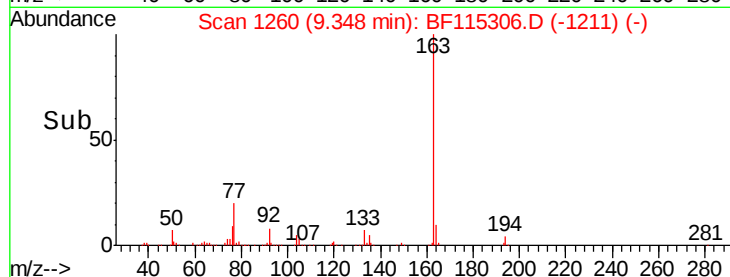
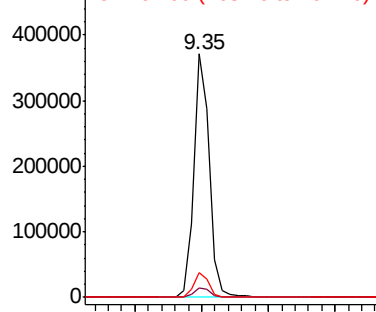
#50
Dimethylphthalate
Concen: 9.284 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115306.D
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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.3	8.6	13.0

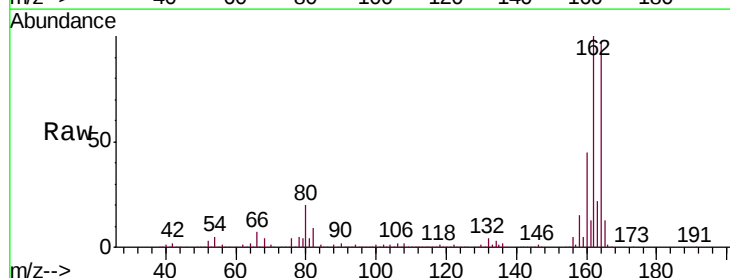


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

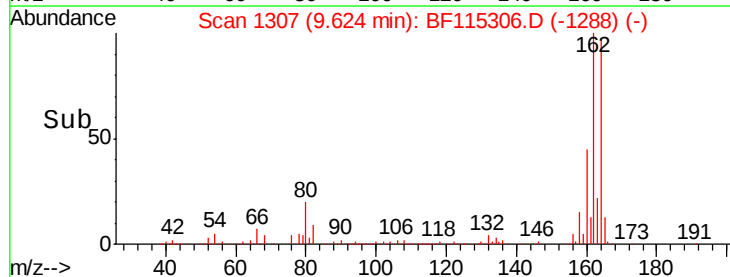
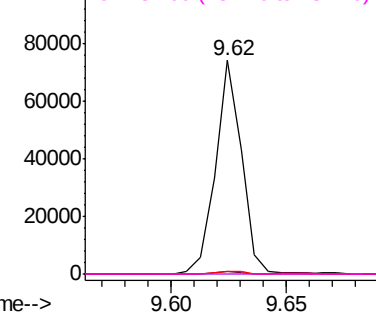


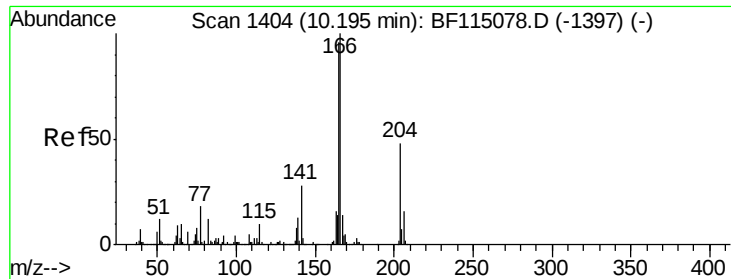
#57
2,4-Dinitrotoluene
Concen: 5.956 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF115306.D
Acq: 29 Jun 2019 2:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.5	41.3#
89	1.5	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: BF115306.D

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ClientSampleId :

FK-GF-02-043-A

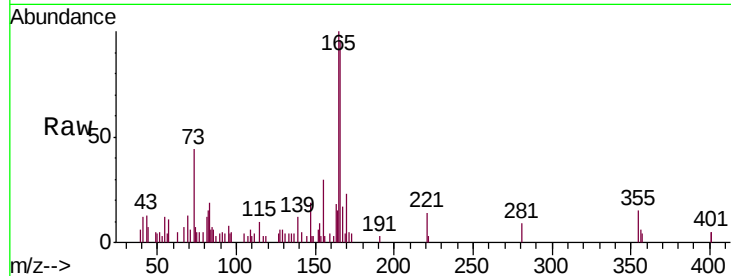
Tgt Ion:166 Resp: 8882

Ion Ratio Lower Upper

166 100

165 103.7 76.5 114.7

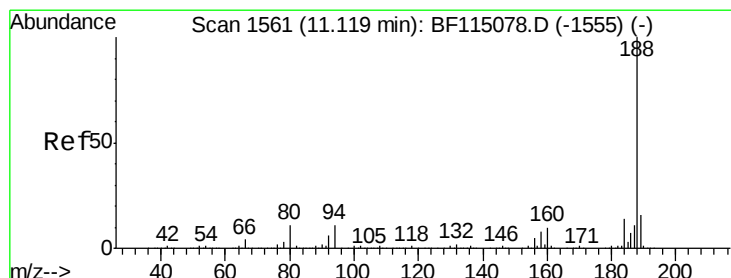
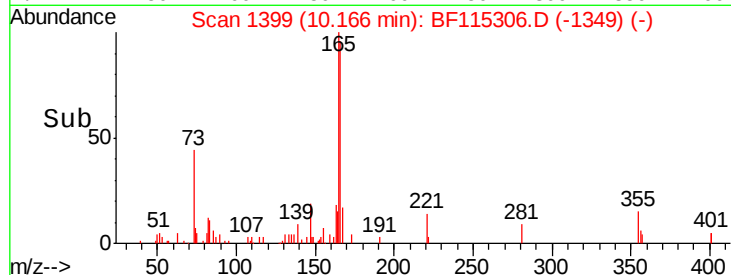
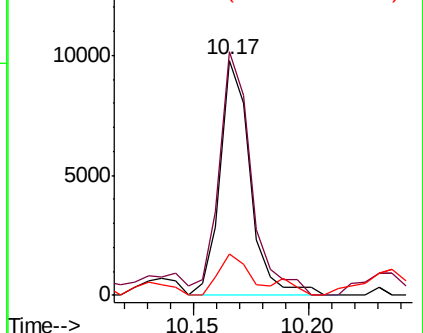
167 17.5 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.09 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

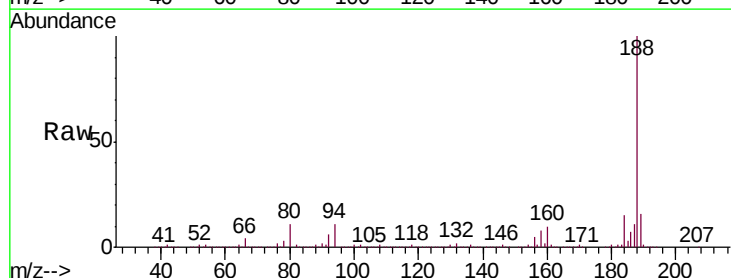
Tgt Ion:188 Resp: 829421

Ion Ratio Lower Upper

188 100

94 10.6 8.6 12.8

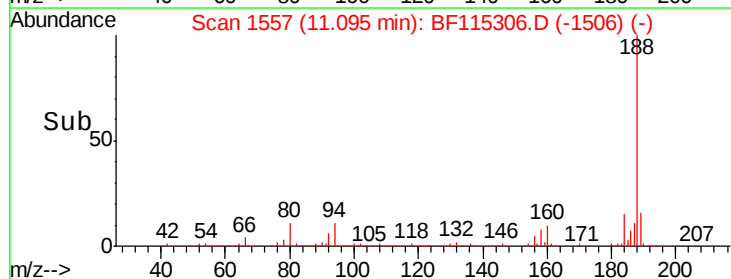
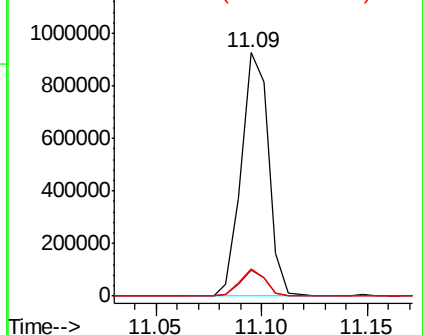
80 11.1 8.8 13.2

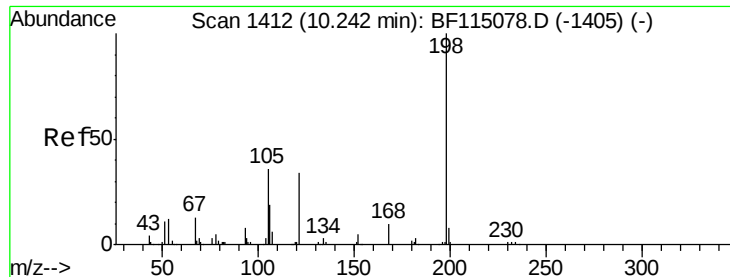


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 5.149 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-043-A

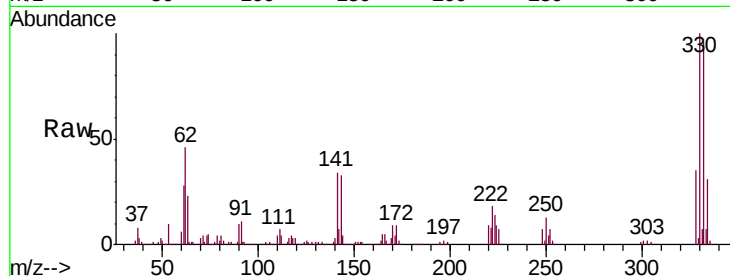
Tgt Ion:198 Resp: 929

Ion Ratio Lower Upper

198 100

51 165.8 11.0 51.0#

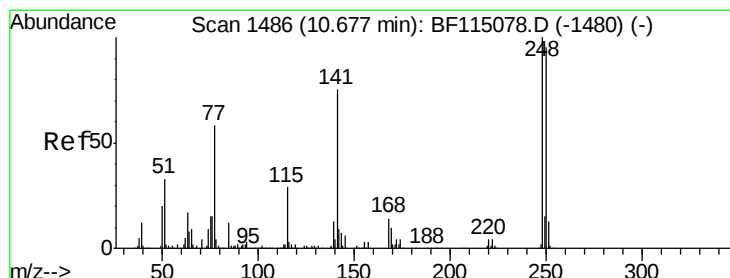
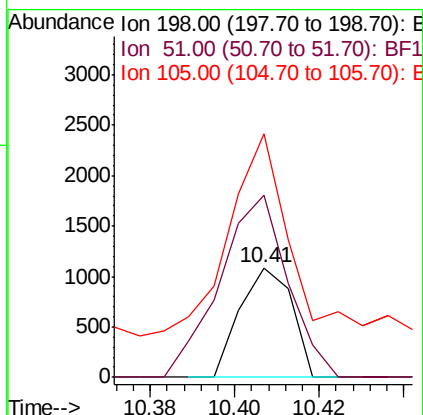
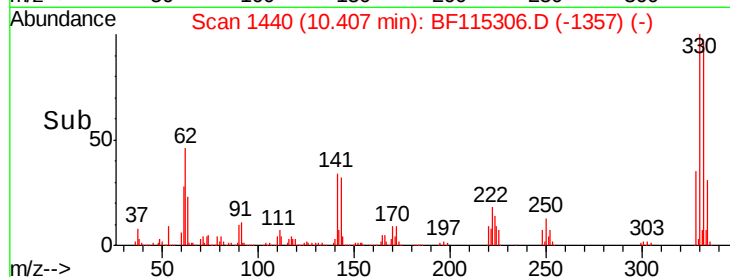
105 221.7 17.3 57.3#



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: 3.258 ng

RT: 10.41 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

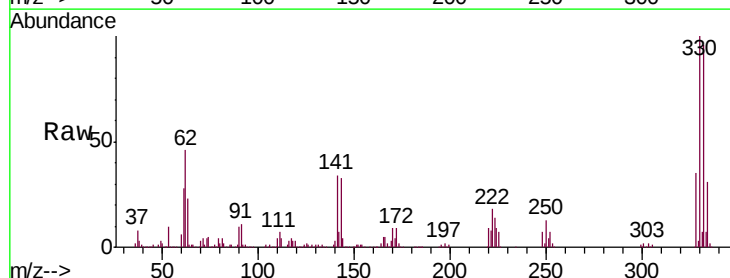
Tgt Ion:248 Resp: 29301

Ion Ratio Lower Upper

248 100

250 195.4 76.2 114.2#

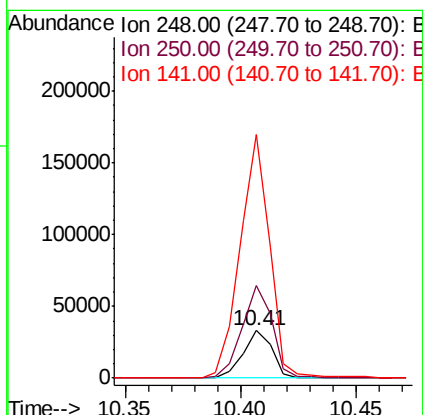
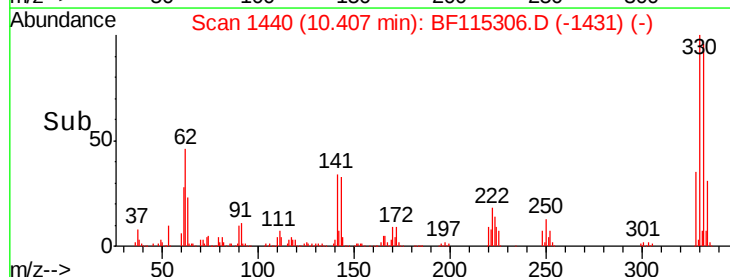
141 512.6 59.6 89.4#

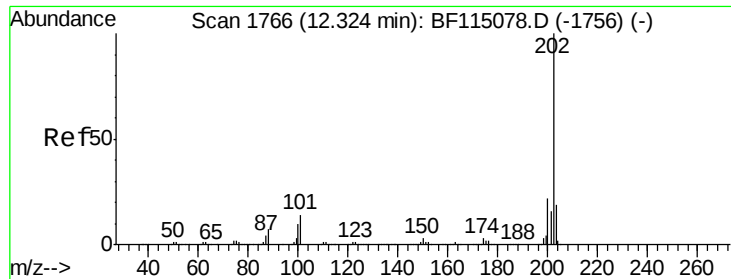


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.430 ng

RT: 12.30 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-043-A

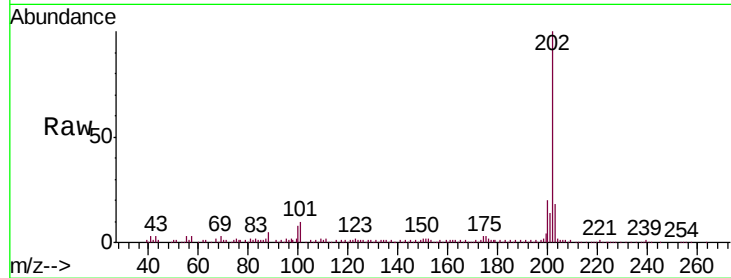
Tgt Ion:202 Resp: 108288

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.0

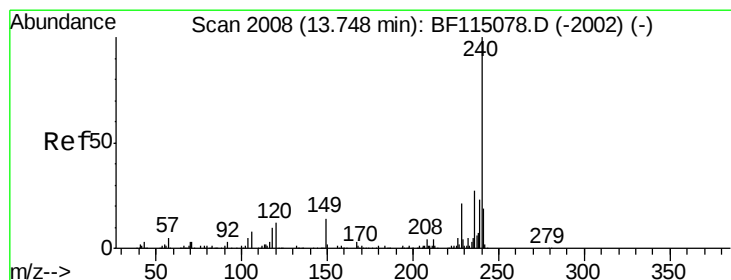
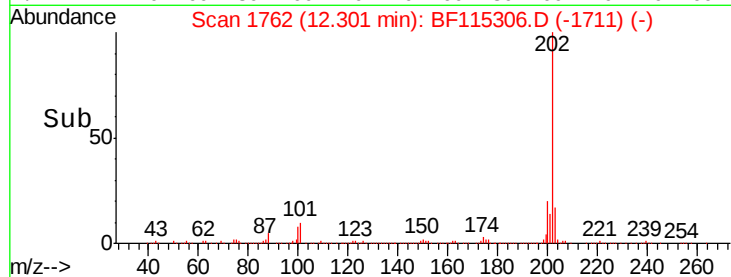
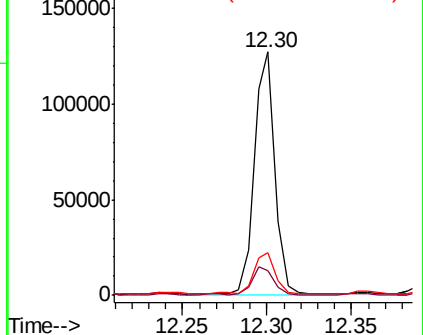
203 17.7 0.0 38.8



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: 13.72 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

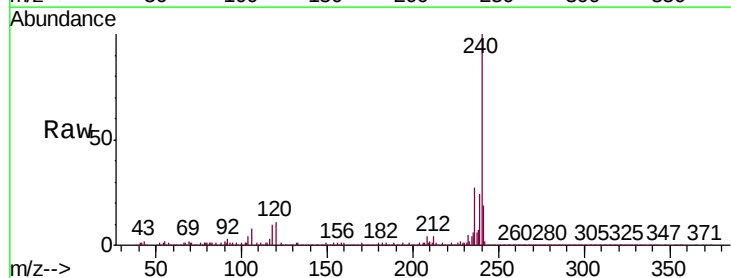
Tgt Ion:240 Resp: 607986

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

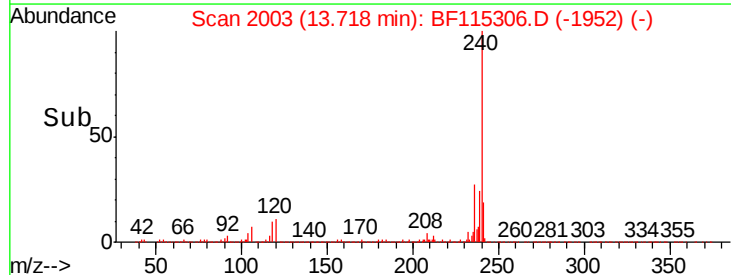
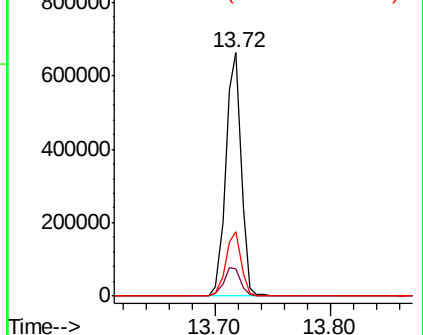
236 26.7 21.7 32.5

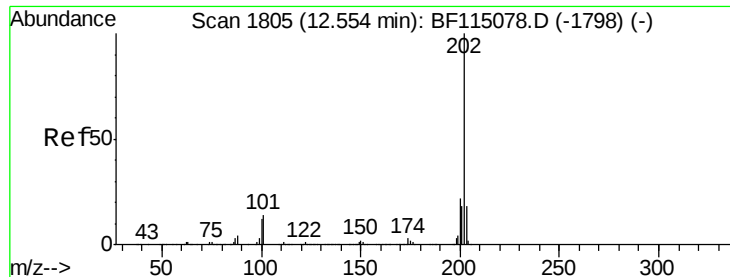


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

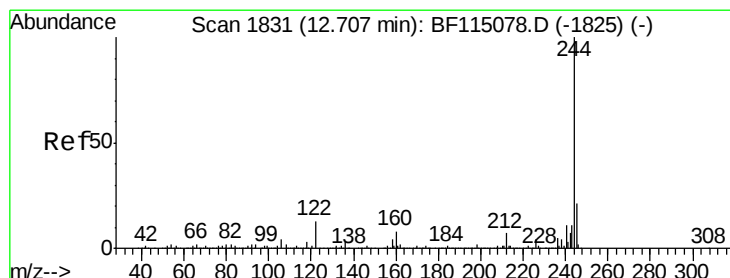
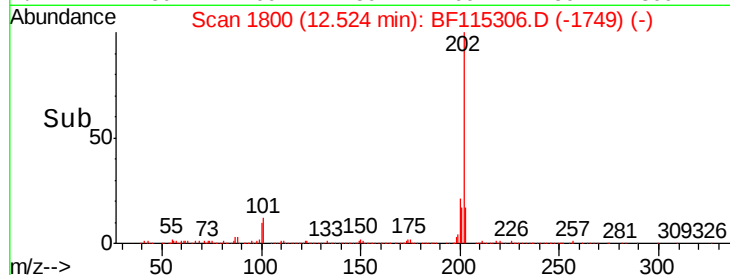
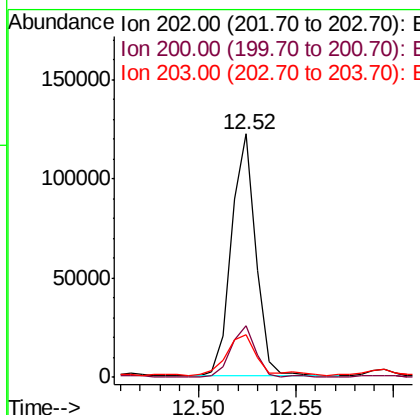
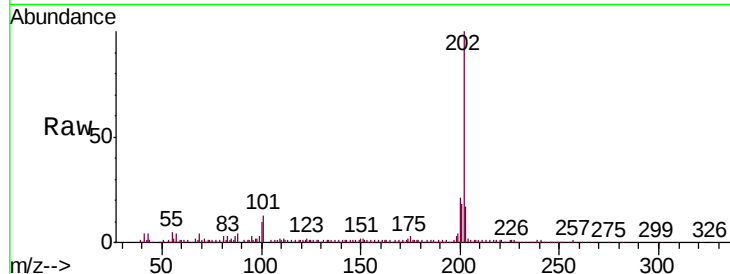




#78
 Pyrene
 Concen: 2.254 ng
 RT: 12.52 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BF115306.D
 Acq: 29 Jun 2019 2:21

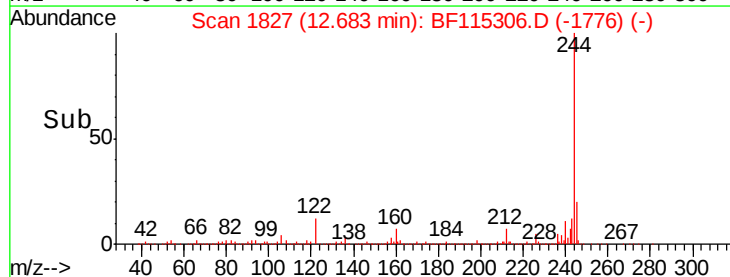
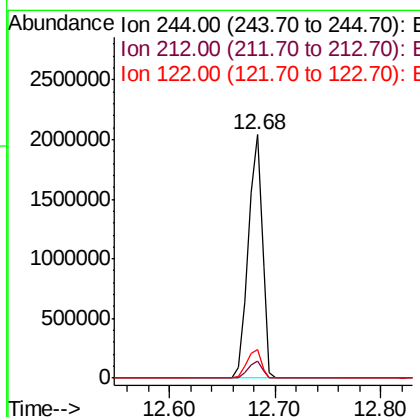
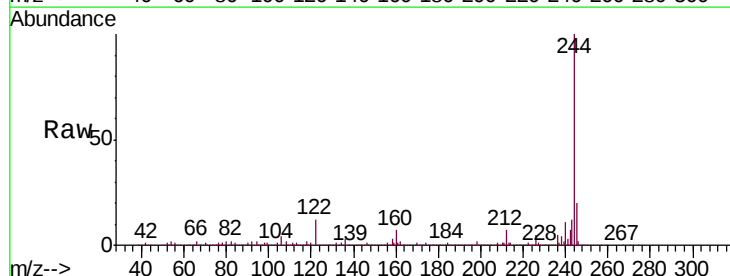
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-043-A

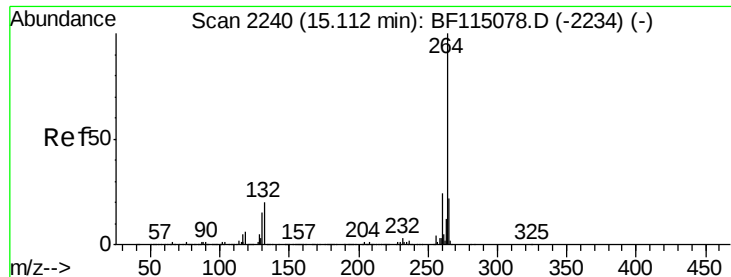
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.9	26.9
203	17.3	14.6	21.8



#79
 Terphenyl-d14
 Concen: 65.902 ng
 RT: 12.68 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF115306.D
 Acq: 29 Jun 2019 2:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.9	10.4	15.6

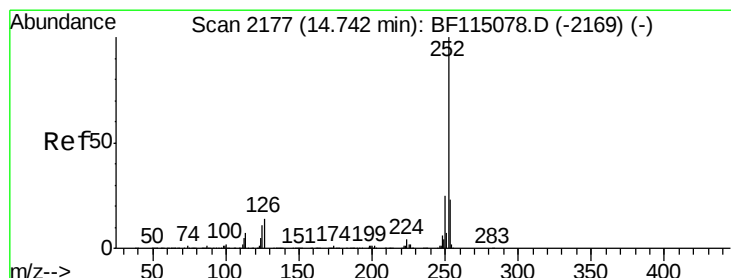
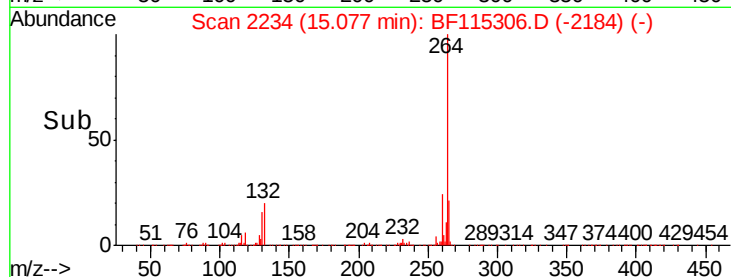
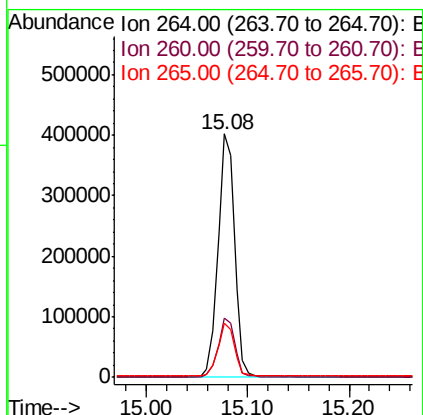
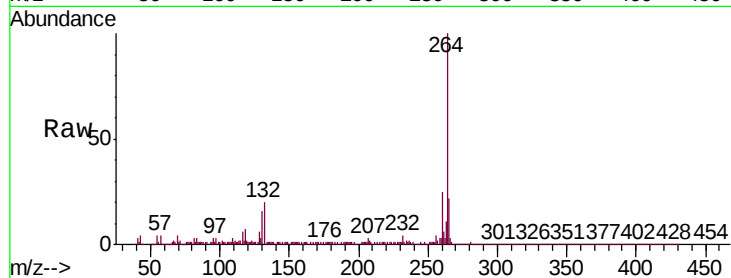




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF115306.D
Acq: 29 Jun 2019 2:21

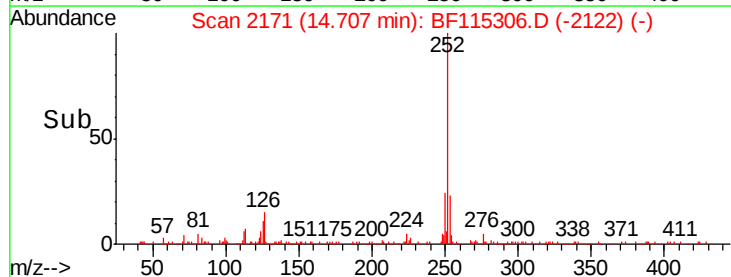
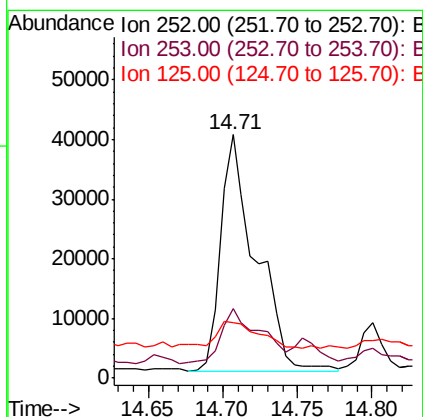
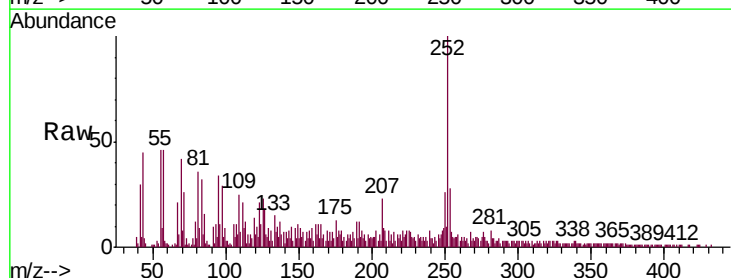
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-043-A

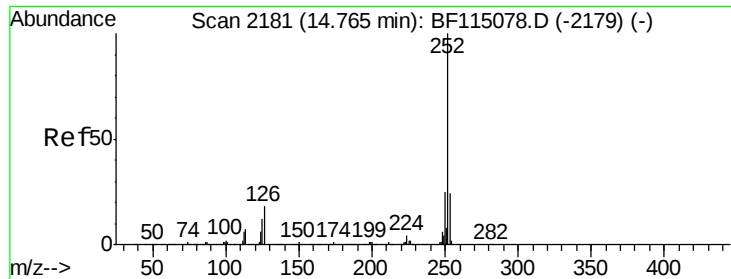
Tgt Ion:264 Resp: 454128
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 22.0 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 2.290 ng
RT: 14.71 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF115306.D
Acq: 29 Jun 2019 2:21

Tgt Ion:252 Resp: 64878
Ion Ratio Lower Upper
252 100
253 28.4 18.1 27.1#
125 23.0 8.7 13.1#





#89

Benzo(k)fluoranthene

Concen: 2.553 ng

RT: 14.71 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BF115306.D

Acq: 29 Jun 2019 2:21

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-043-A

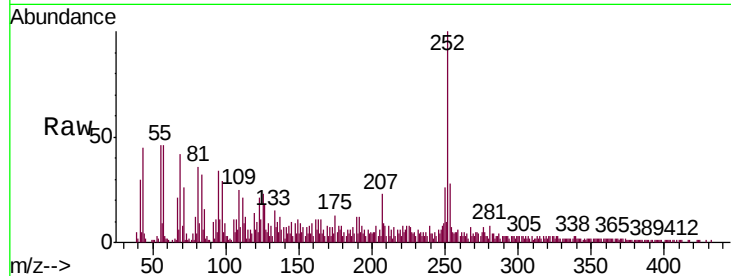
Tgt Ion:252 Resp: 64878

Ion Ratio Lower Upper

252 100

253 28.4 18.9 28.3#

125 23.0 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

