

Data File : BF100556.D
Acq On : 14 Nov 2017 21:24
Operator : SJ/JU
Sample : I6307-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-02-111017-C

Quant Time: Nov 15 00:57:34 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 14 14:17:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	105354	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	365493	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	134840	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	248569	20.00	ng	0.00
75) Chrysene-d12	14.05	240	251869	20.00	ng	0.00
86) Perylene-d12	15.52	264	167635	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	84160	12.81	ng	0.00
7) Phenol-d6	6.50	99	98406	12.14	ng	-0.01
23) Nitrobenzene-d5	7.44	82	51770	9.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	15683	11.41	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	96854	10.94	ng	-0.01
78) Terphenyl-d14	12.99	244	91555	8.35	ng	0.00

Target Compounds						Qvalue
25) Isophorone	7.44	82	51770	4.46	ng	# 64
47) 2-Nitroaniline	9.63	65	127	2.83	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	17639	8.66	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	17639	6.86	ng	# 22
70) Phenanthrene	11.43	178	54133	4.14	ng	97
74) Fluoranthene	12.62	202	66604	4.80	ng	98
77) Pyrene	12.85	202	54779	3.05	ng	98
87) Benzo(b)fluoranthene	15.09	252	25868	2.60	ng	# 76
88) Benzo(k)fluoranthene	15.09	252	25868	2.76	ng	# 79

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

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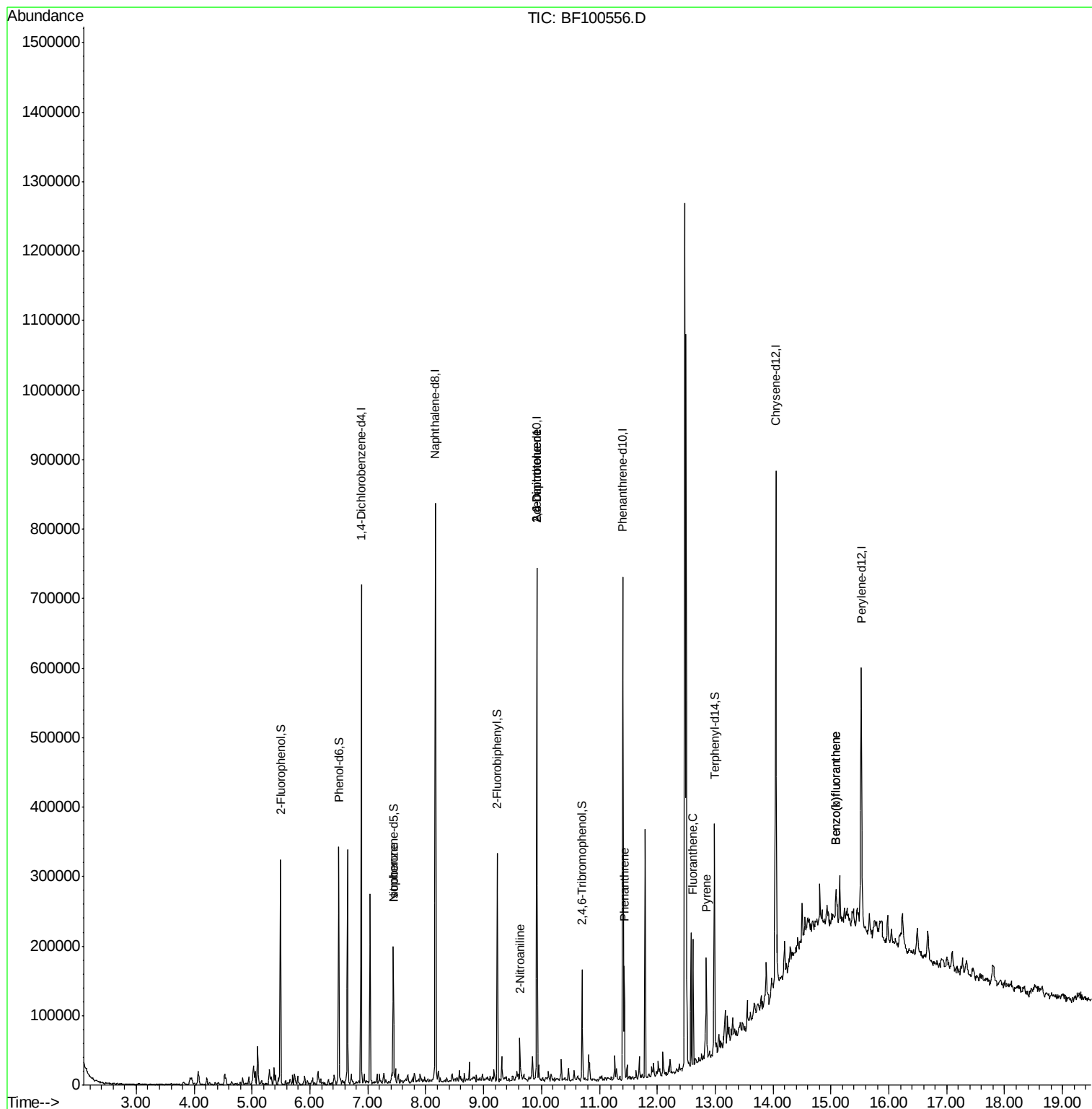
Quant Time: Nov 15 00:57:34 2017

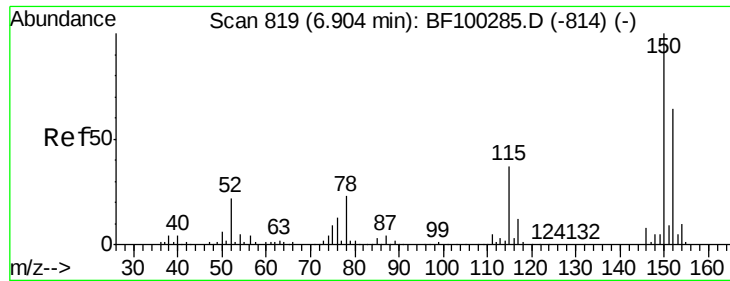
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Nov 14 14:17:16 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.00 min

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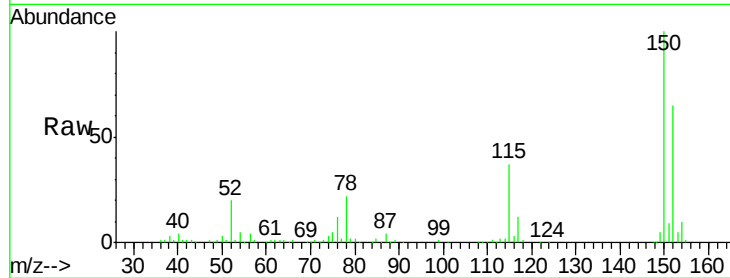
Tgt Ion:152 Resp: 105354

Ion Ratio Lower Upper

152 100

150 153.6 124.6 186.8

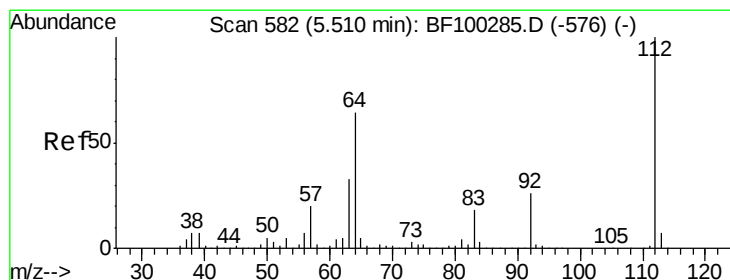
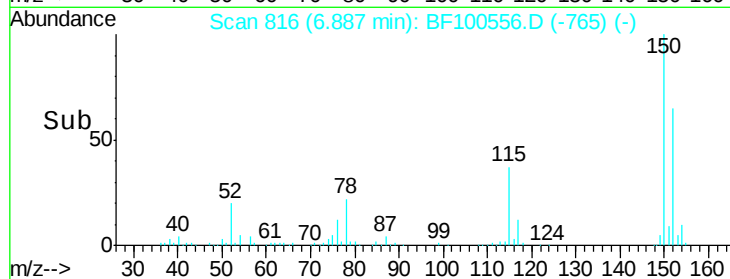
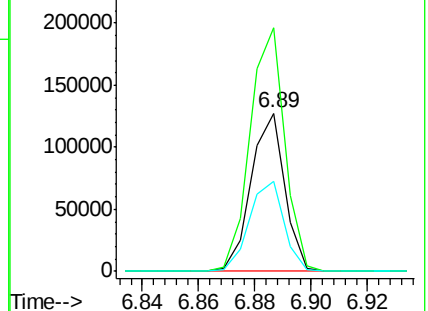
115 56.6 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 12.81 ng

RT: 5.49 min Scan# 579

Delta R.T. -0.01 min

Lab File: BF100556.D

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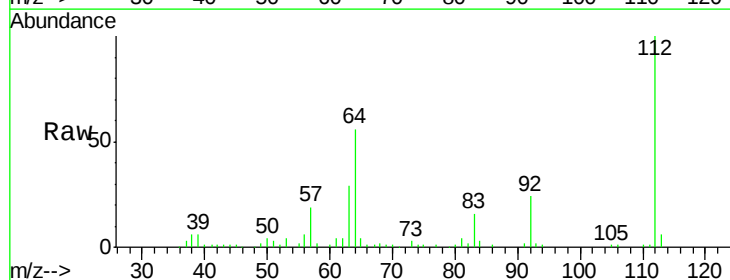
Tgt Ion:112 Resp: 84160

Ion Ratio Lower Upper

112 100

64 56.4 47.9 71.9

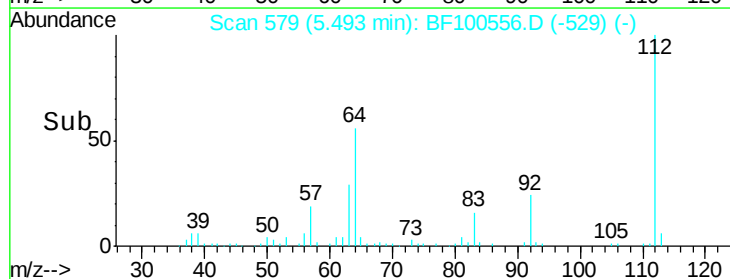
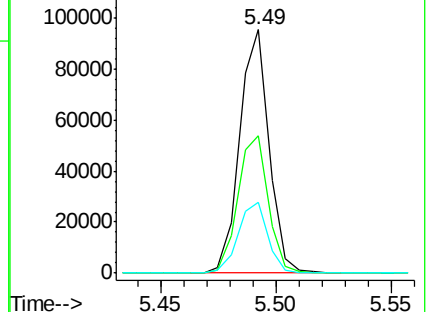
63 29.1 23.7 35.5



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: 12.14 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100556.D

Acq: 14 Nov 2017 21:24

Instrument :

BNA_F

ClientSampleId :

EO-02-111017-C

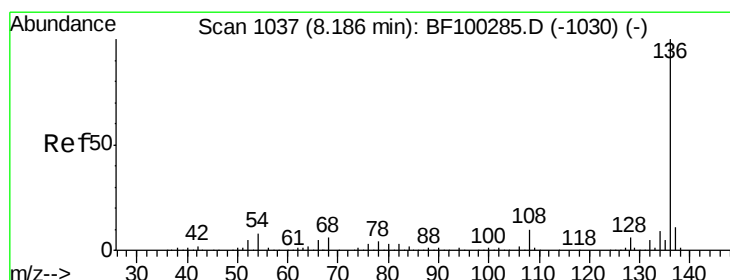
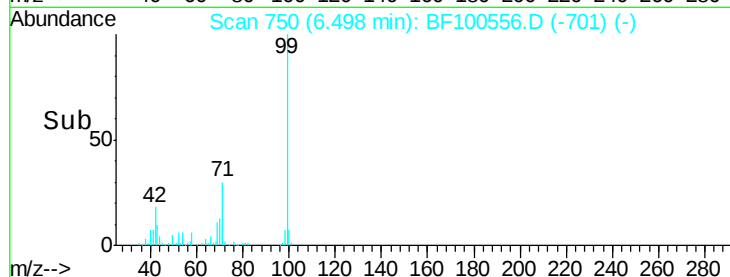
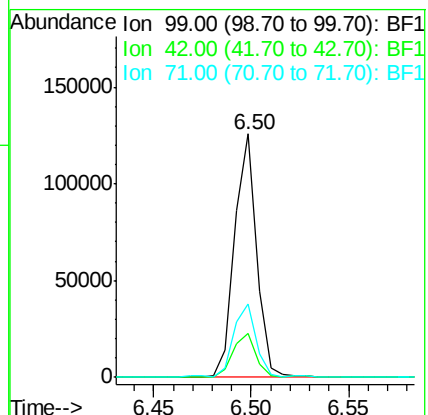
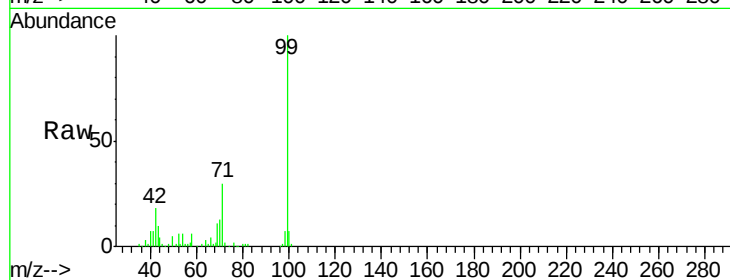
Tgt Ion: 99 Resp: 98406

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

71 30.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100556.D

Acq: 14 Nov 2017 21:24

Tgt Ion: 136 Resp: 365493

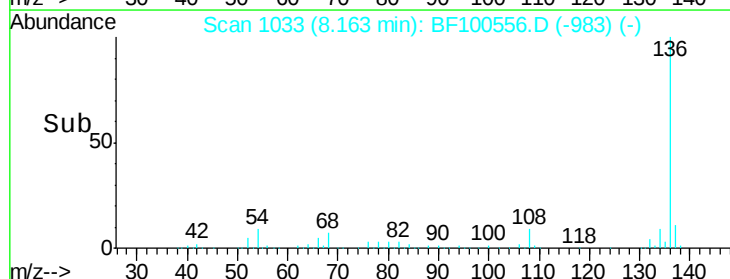
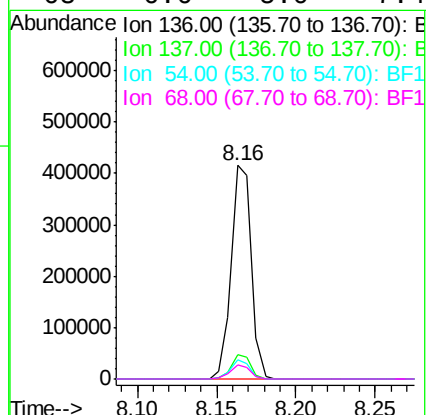
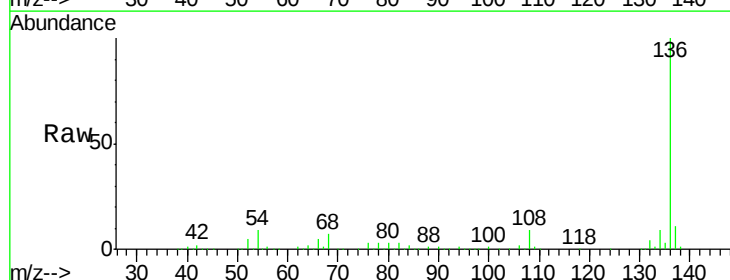
Ion Ratio Lower Upper

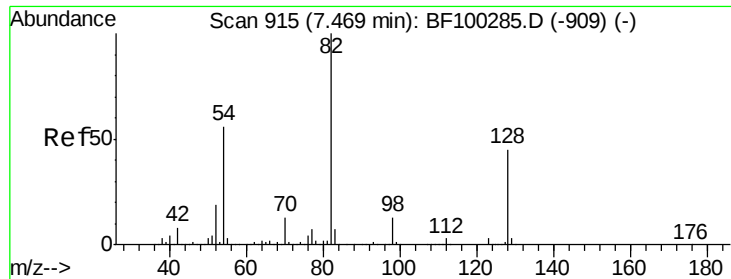
136 100

137 11.1 8.9 13.3

54 9.0 6.6 9.8

68 6.6 5.0 7.4

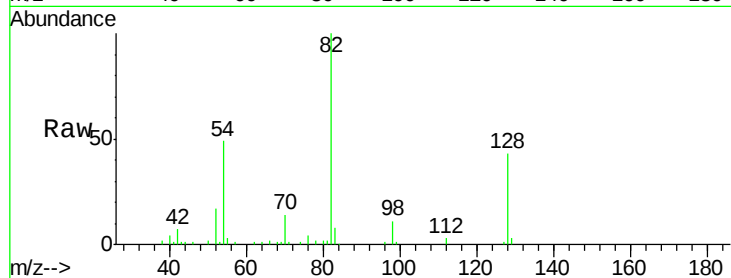




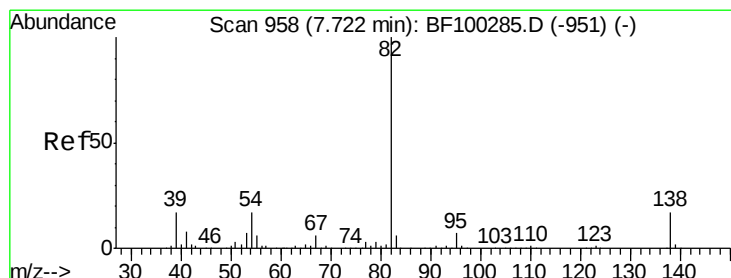
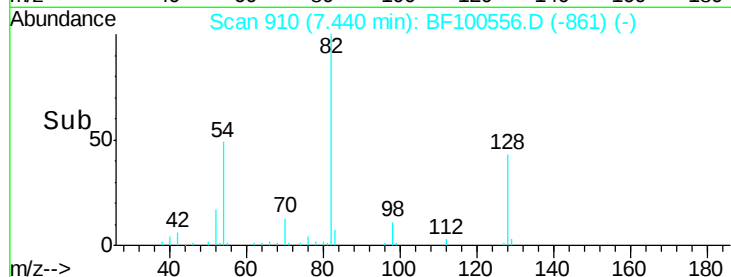
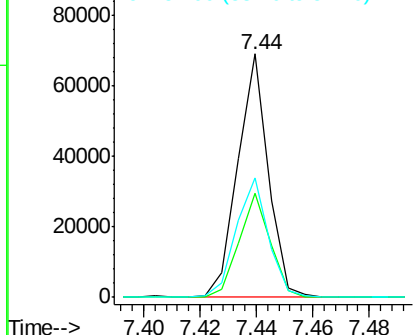
#23
 Nitrobenzene-d5
 Concen: 9.36 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF100556.D
 Acq: 14 Nov 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-111017-C

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	49.2	41.4	62.2

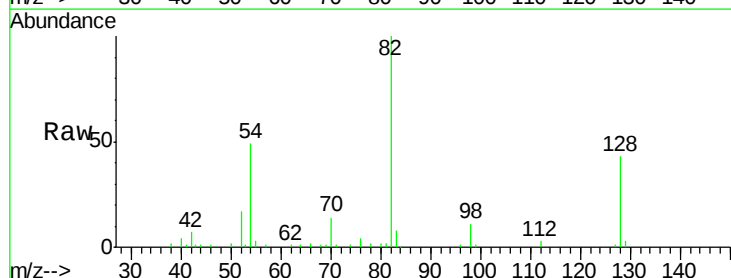


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

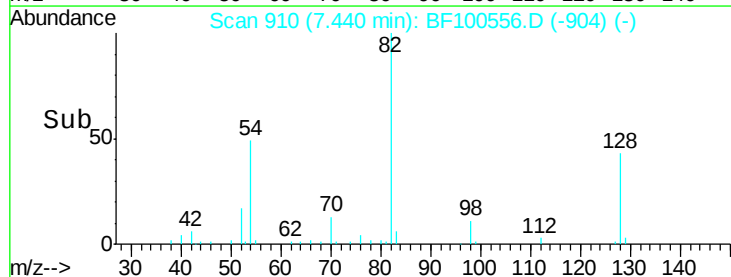
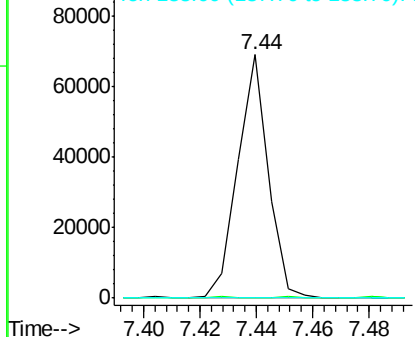


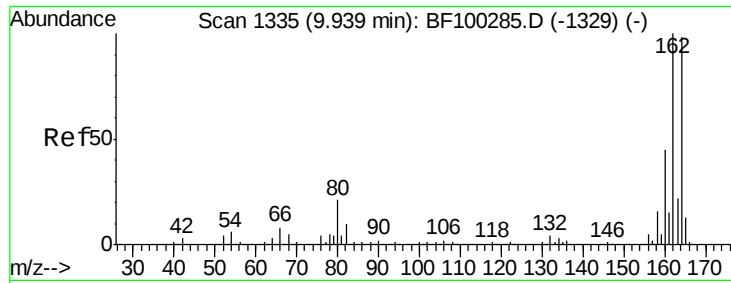
#25
 Isophorone
 Concen: 4.46 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF100556.D
 Acq: 14 Nov 2017 21:24

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

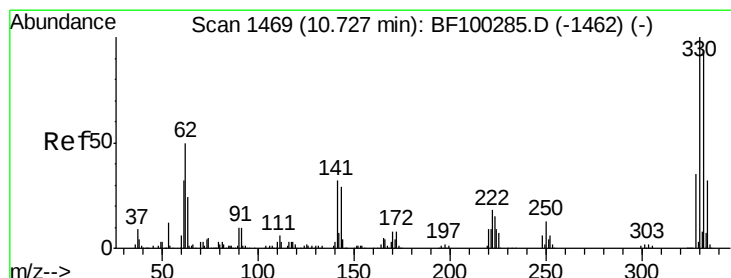
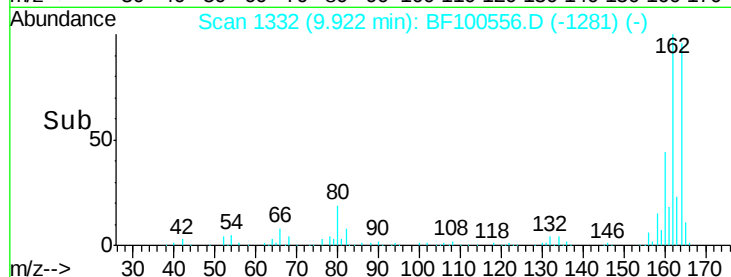
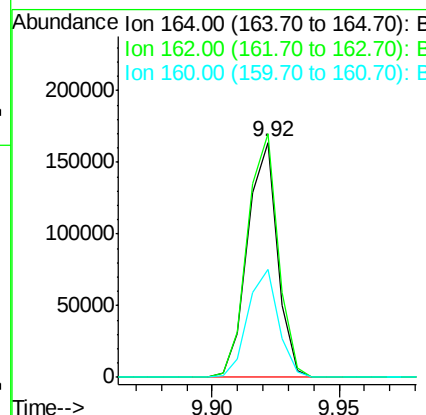
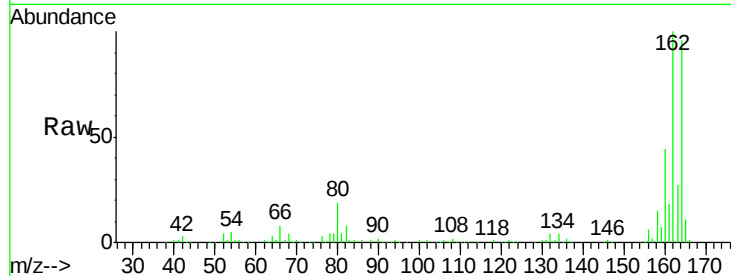




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF100556.D
 Acq: 14 Nov 2017 21:24

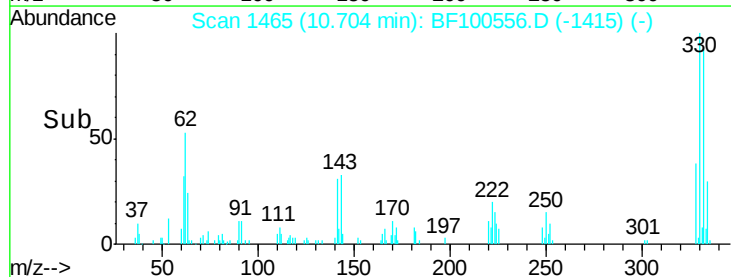
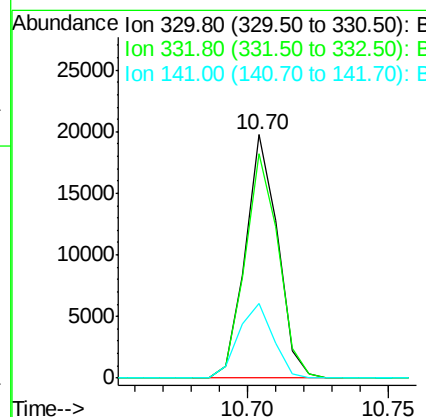
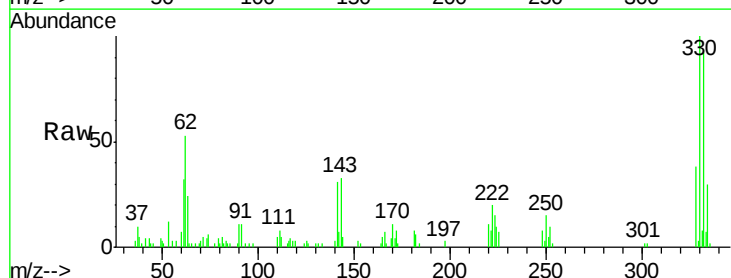
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-111017-C

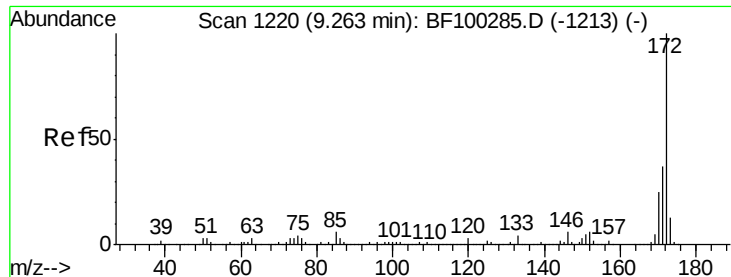
Tgt Ion:164 Resp: 134840
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 11.41 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100556.D
 Acq: 14 Nov 2017 21:24

Tgt Ion:330 Resp: 15683
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 33.2 29.9 44.9

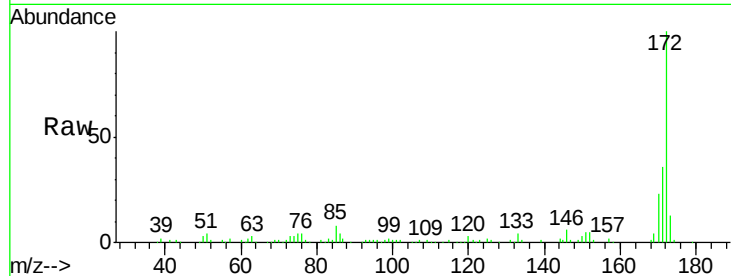




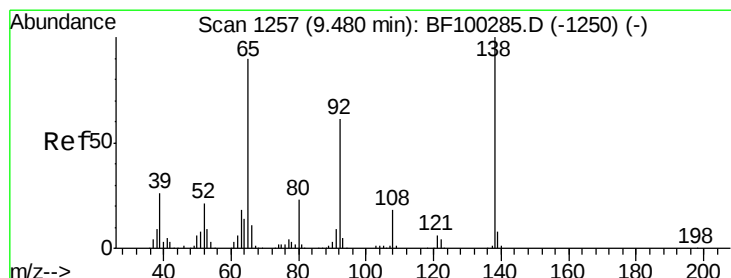
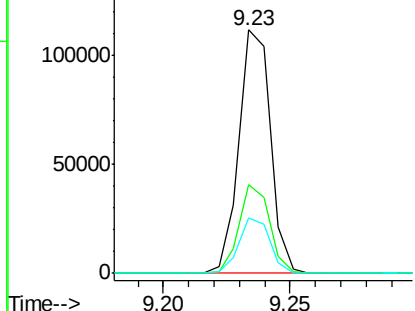
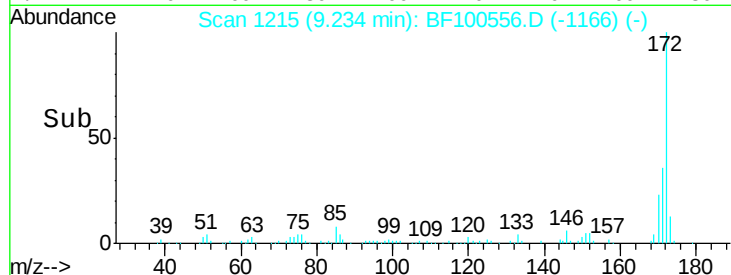
#44
 2-Fluorobiphenyl
 Concen: 10.94 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100556.D
 Acq: 14 Nov 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-111017-C

Tgt Ion: 172 Resp: 96854
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 22.7 19.6 29.4

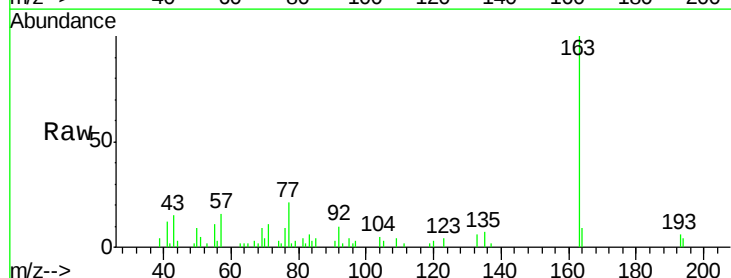


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

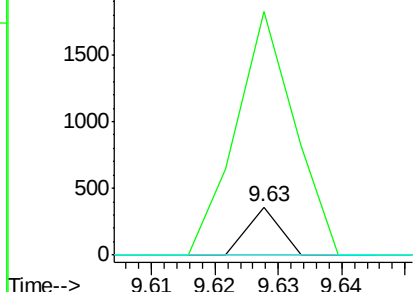
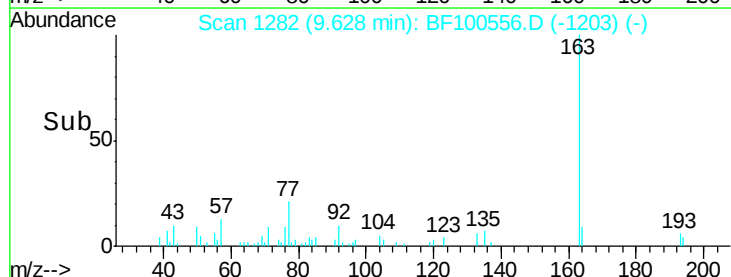


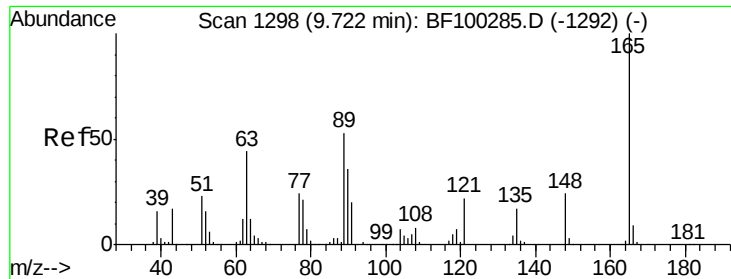
#47
 2-Nitroaniline
 Concen: 2.83 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.16 min
 Lab File: BF100556.D
 Acq: 14 Nov 2017 21:24

Tgt Ion: 65 Resp: 127
 Ion Ratio Lower Upper
 65 100
 92 506.7 55.8 83.6#
 138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

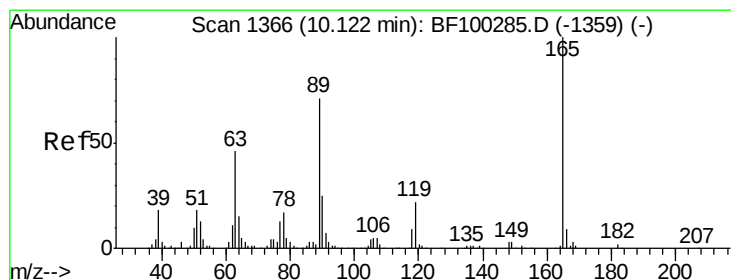
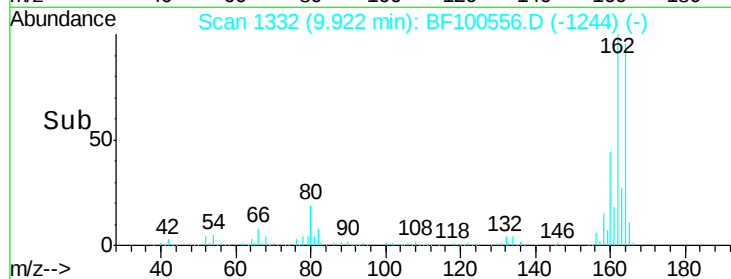
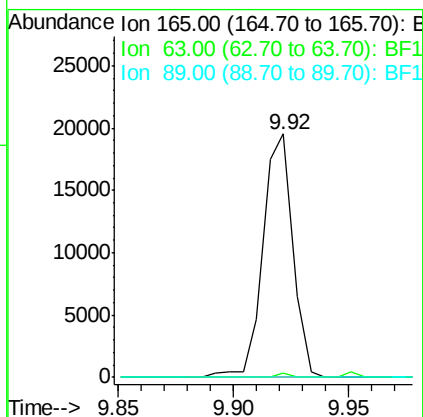
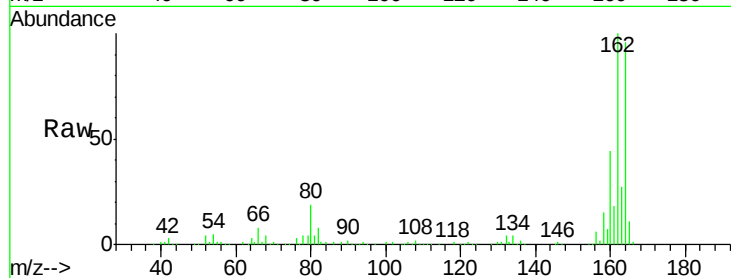




#50
 2,6-Dinitrotoluene
 Concen: 8.66 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF100556.D
 Acq: 14 Nov 2017 21:24

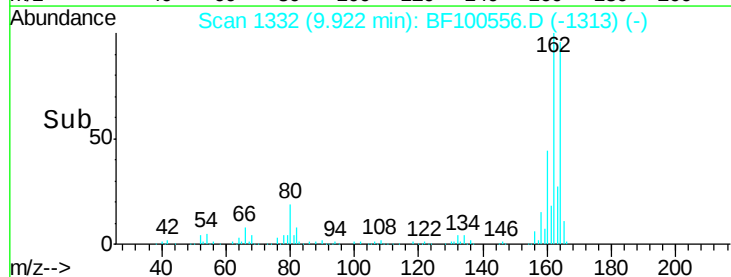
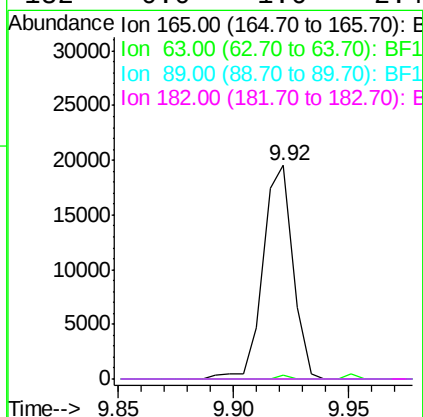
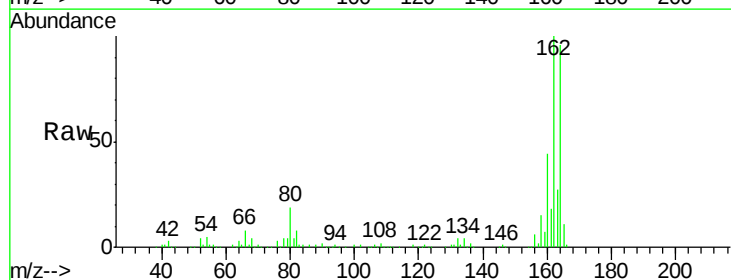
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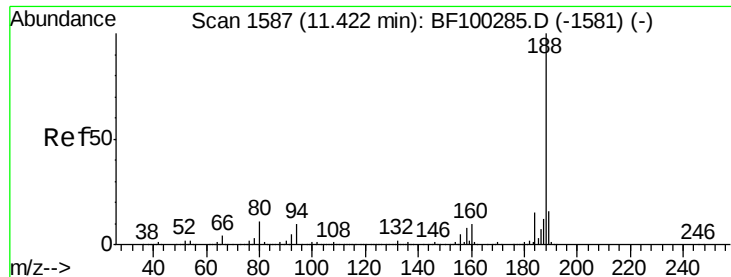
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.86 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF100556.D
 Acq: 14 Nov 2017 21:24

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

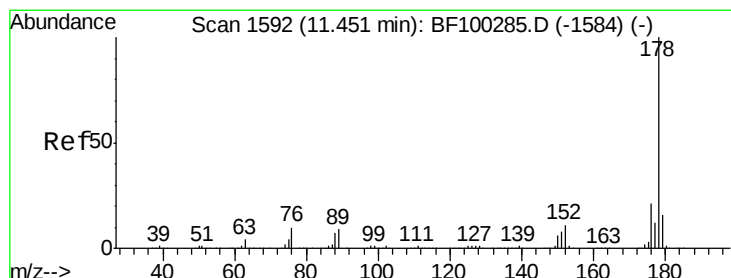
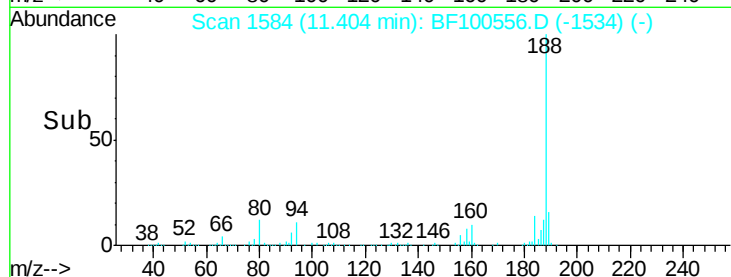
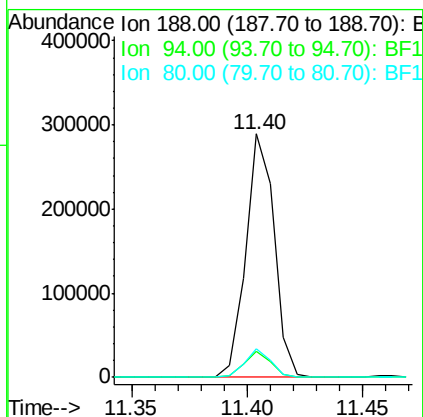
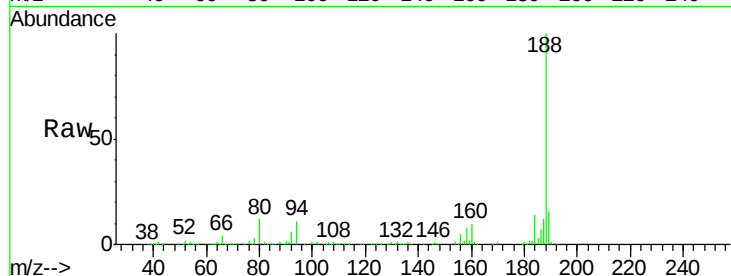




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100556.D
Acq: 14 Nov 2017 21:24

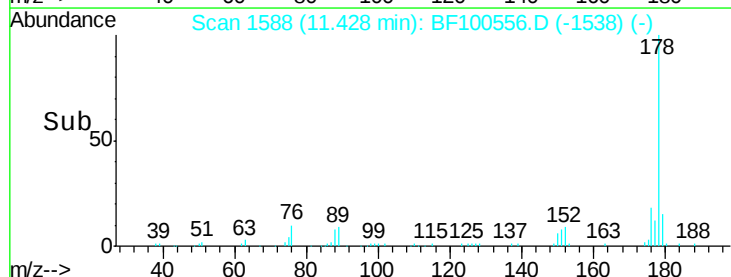
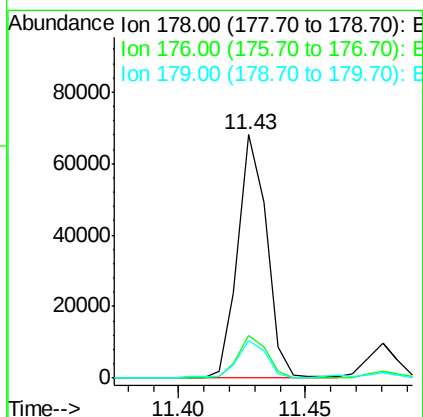
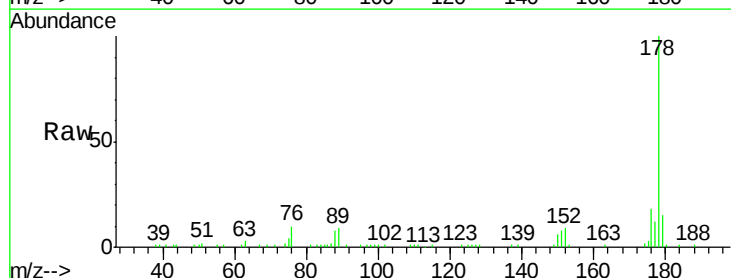
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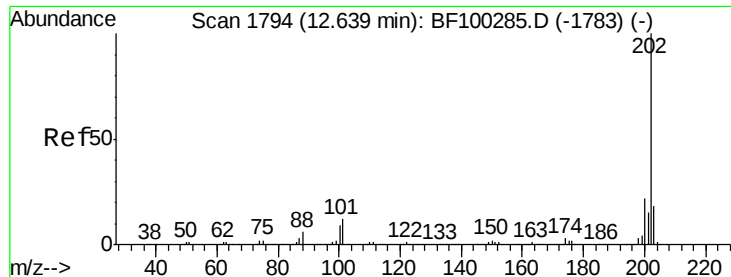
Tgt Ion:188 Resp: 248569
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.7 9.2 13.8



#70
Phenanthrene
Concen: 4.14 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100556.D
Acq: 14 Nov 2017 21:24

Tgt Ion:178 Resp: 54133
Ion Ratio Lower Upper
178 100
176 17.7 15.8 23.8
179 15.5 13.0 19.6





#74

Fluoranthene

Concen: 4.80 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF100556.D

Acq: 14 Nov 2017 21:24

Instrument :

BNA_F

ClientSampleId :

EO-02-111017-C

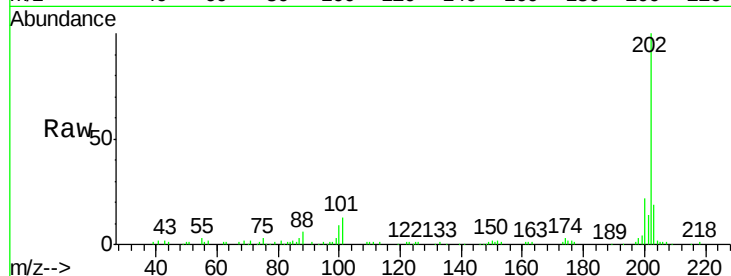
Tgt Ion: 202 Resp: 66604

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

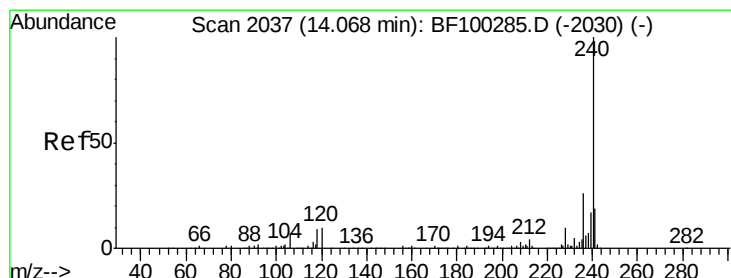
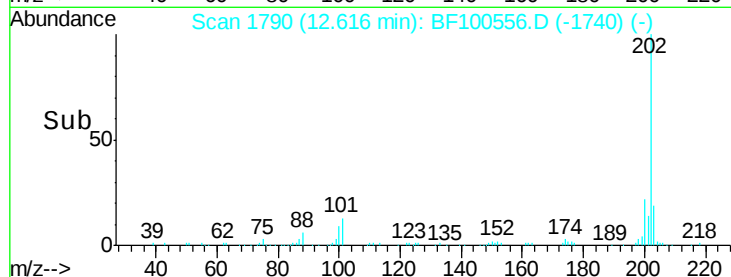
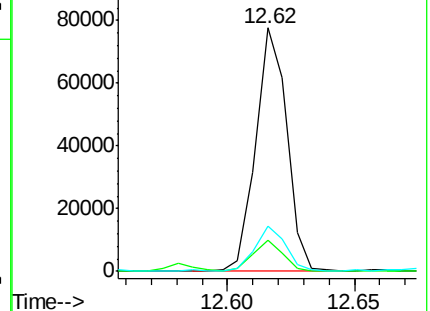
203 18.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF100556.D

Acq: 14 Nov 2017 21:24

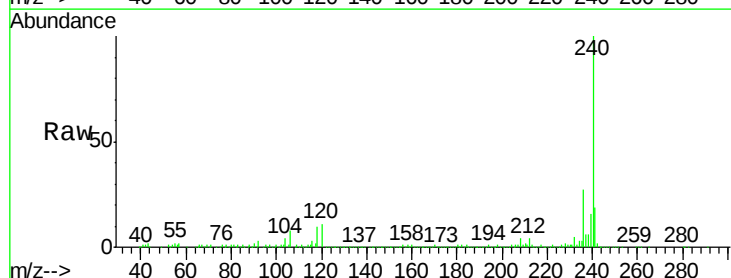
Tgt Ion: 240 Resp: 251869

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

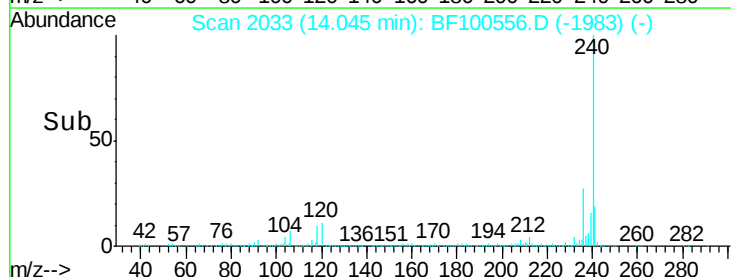
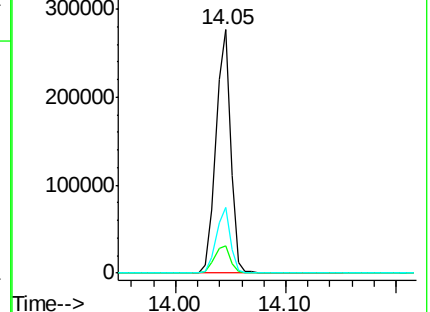
236 26.7 20.7 31.1

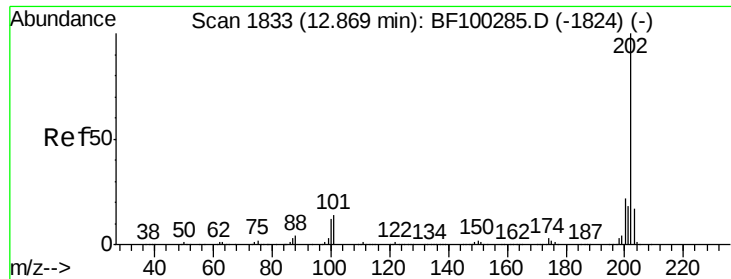


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.05 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF100556.D

Acq: 14 Nov 2017 21:24

Instrument :

BNA_F

ClientSampleId :

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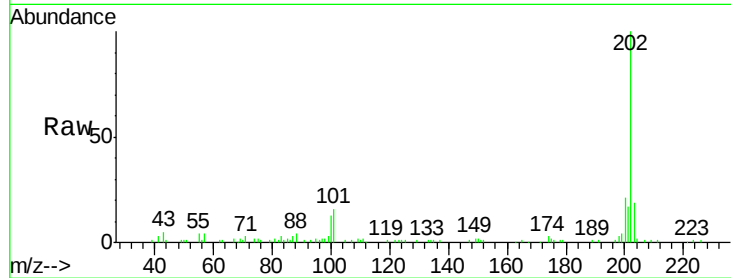
Tgt Ion: 202 Resp: 54779

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

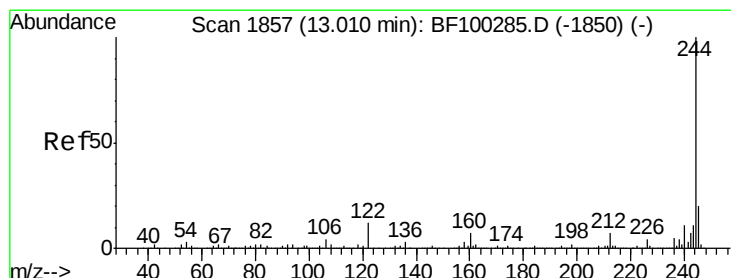
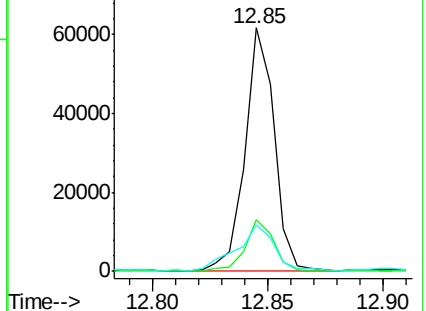
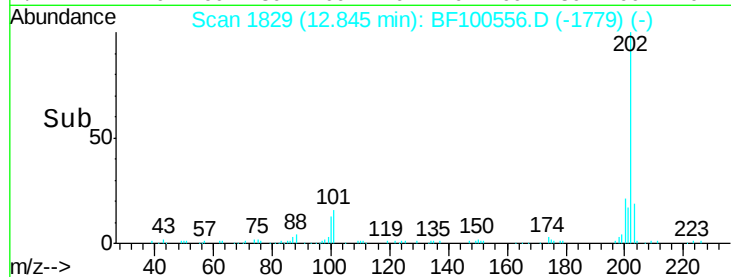
203 19.4 14.3 21.5



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



#78

Terphenyl-d14

Concen: 8.35 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100556.D

Acq: 14 Nov 2017 21:24

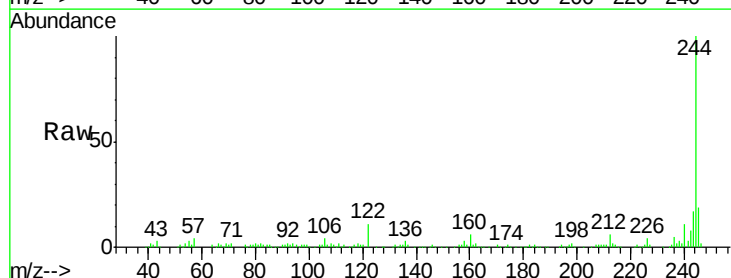
Tgt Ion: 244 Resp: 91555

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

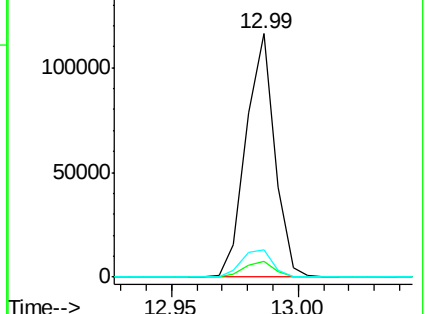
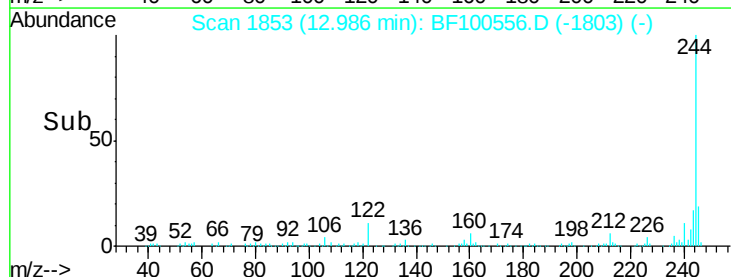
122 11.0 11.0 16.4

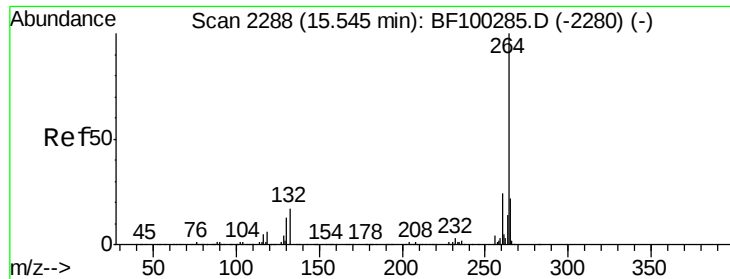


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

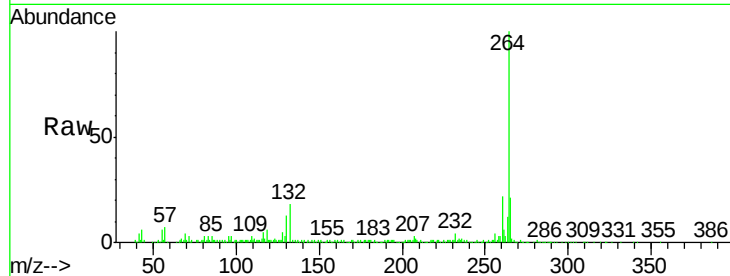




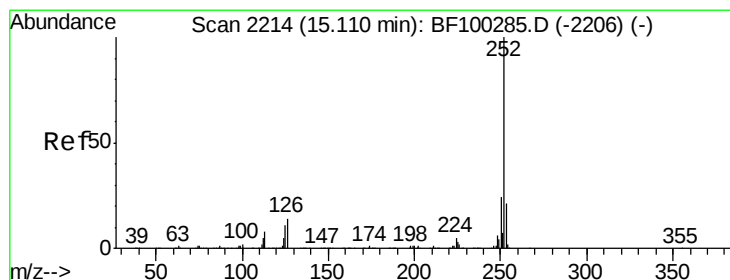
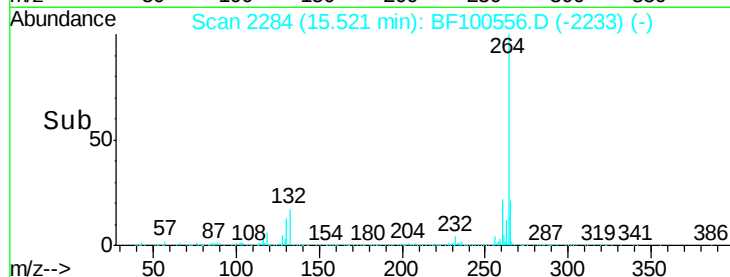
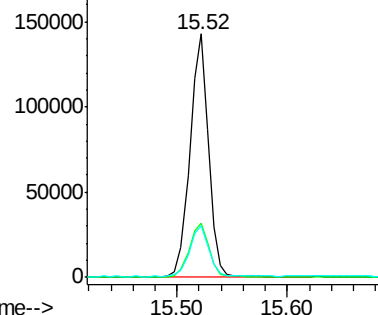
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF100556.D
Acq: 14 Nov 2017 21:24

Instrument :
BNA_F
ClientSampleId :
EO-02-111017-C

Tgt Ion:264 Resp: 167635
Ion Ratio Lower Upper
264 100
260 22.5 19.2 28.8
265 21.3 17.5 26.3

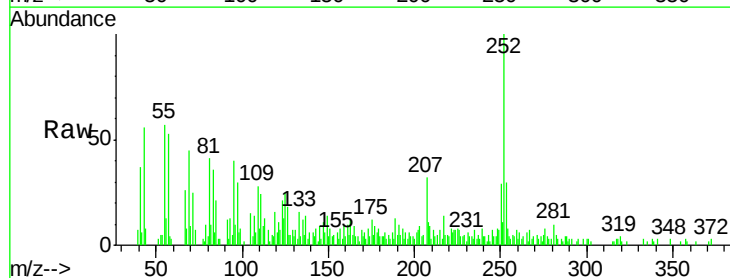


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

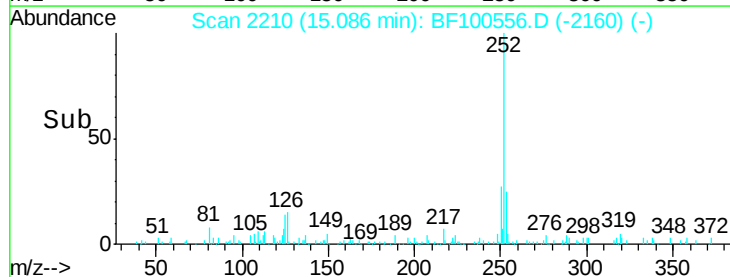
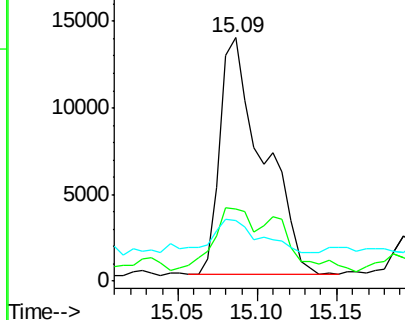


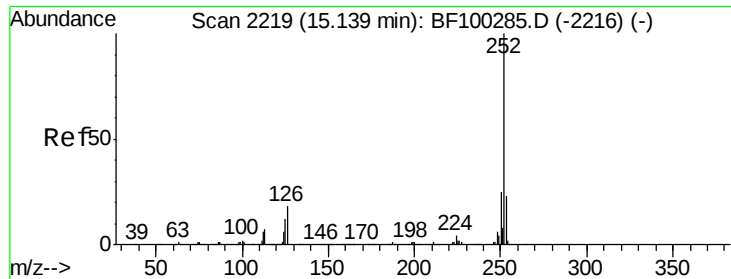
#87
Benzo(b)fluoranthene
Concen: 2.60 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF100556.D
Acq: 14 Nov 2017 21:24

Tgt Ion:252 Resp: 25868
Ion Ratio Lower Upper
252 100
253 29.5 17.0 25.6#
125 25.1 9.0 13.6#



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





#88

Benzo(k)fluoranthene

Concen: 2.76 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF100556.D

Acq: 14 Nov 2017 21:24

Instrument :

BNA_F

ClientSampleId :

EO-02-111017-C

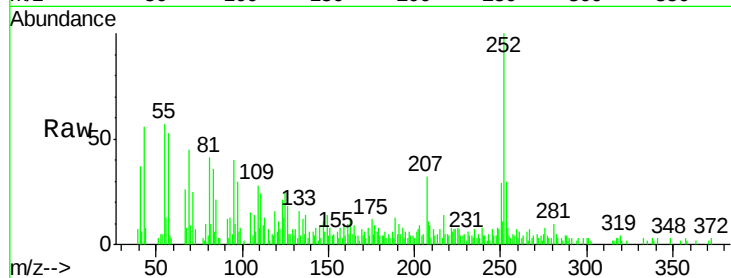
Tgt Ion:252 Resp: 25868

Ion Ratio Lower Upper

252 100

253 29.5 17.9 26.9#

125 25.1 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

