

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030916\
 Data File : BF085325.D
 Acq On : 10 Mar 2016 3:46
 Operator : UM/SJ
 Sample : H1722-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

Manual Integrations
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Quant Time: Mar 10 11:52:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	171184	20.00	ng	-0.03
21) Naphthalene-d8	8.23	136	722282	20.00	ng	-0.03
38) Acenaphthene-d10	9.99	164	326848	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	599207	20.00	ng	-0.03
75) Chrysene-d12	14.12	240	314909	20.00	ng	-0.03
86) Perylene-d12	15.58	264	276425	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1136235	111.34	ng	-0.02
7) Phenol-d6	6.57	99	1423425	106.46	ng	-0.03
23) Nitrobenzene-d5	7.51	82	1062296	78.70	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	359782	128.64	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1406819	65.46	ng	-0.05
78) Terphenyl-d14	13.07	244	1168134	86.11	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.70	163	369965	14.75	ng	98
57) Fluorene	10.53	166	58072	2.81	ng	# 98
70) Phenanthrene	11.50	178	729926	23.24	ng	98
71) Anthracene	11.54	178	251015	7.53	ng	98
74) Fluoranthene	12.69	202	1083007	34.37	ng	97
77) Pyrene	12.92	202	958917	40.46	ng	99
80) Benzo(a)anthracene	14.11	228	411976m	21.85	ng	
82) Chrysene	14.14	228	342063m	19.64	ng	
85) Indeno(1,2,3-cd)pyrene	17.03	276	166561	12.26	ng	# 91
87) Benzo(b)fluoranthene	15.16	252	406721m	22.07	ng	
88) Benzo(k)fluoranthene	15.17	252	90780m	6.11	ng	
89) Benzo(a)pyrene	15.51	252	268189	17.57	ng	# 94
90) Dibenzo(a,h)anthracene	17.04	278	47225m	3.62	ng	
91) Benzo(g,h,i)perylene	17.48	276	148471	11.33	ng	98

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

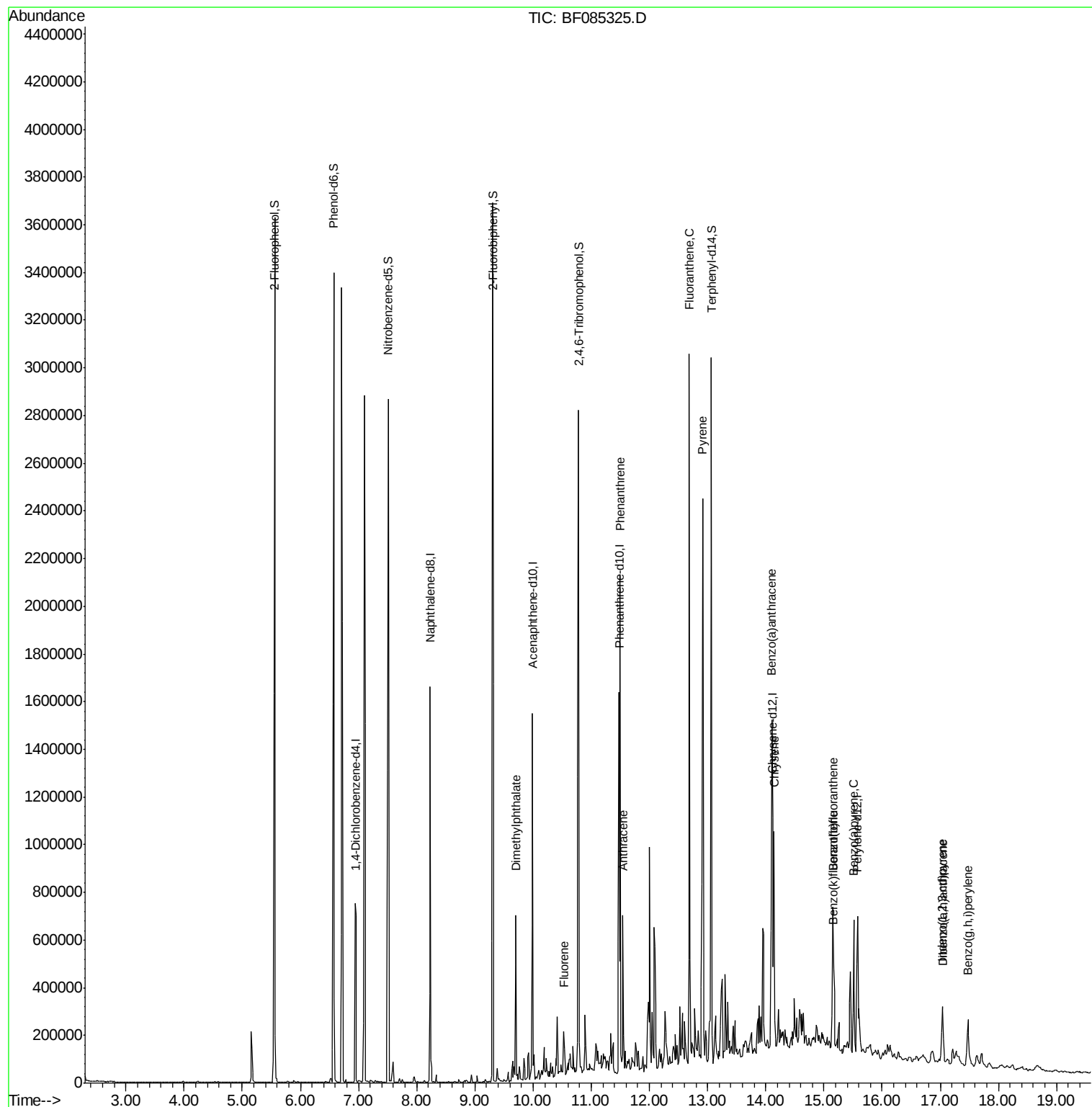
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030916\
Data File : BF085325.D
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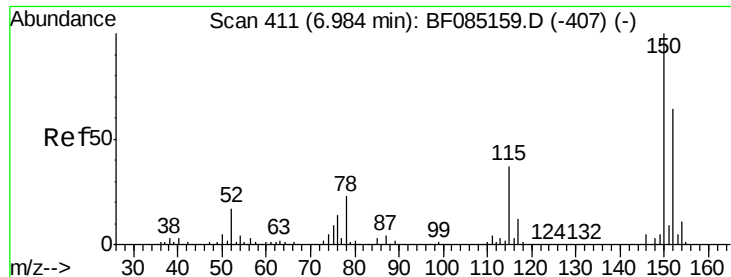
Instrument :
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W170TH-SB-22(0.5-2.0)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
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QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

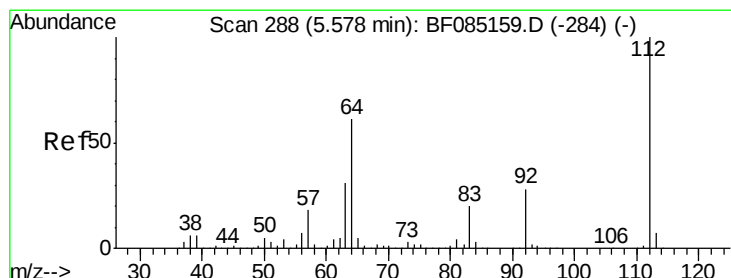
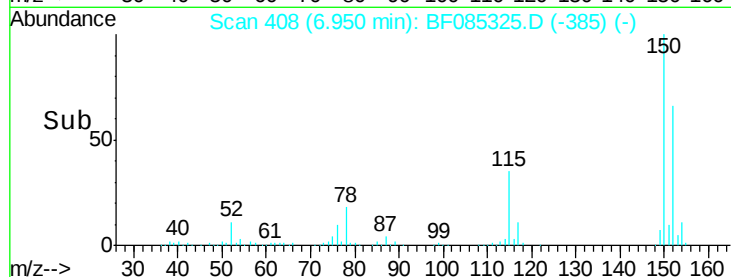
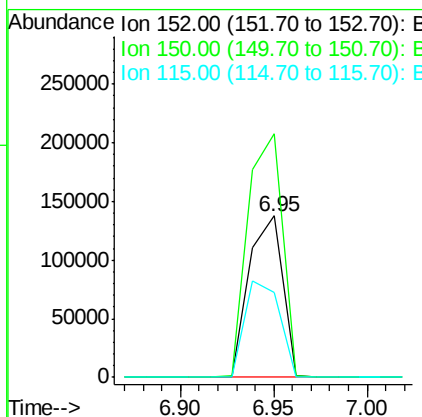
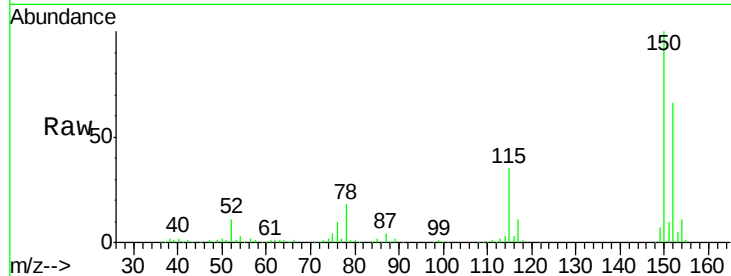
ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion:	152	Resp:	171184
Ion Ratio	Lower	Upper	
152	100		
150	150.7	124.6	186.8
115	52.3	46.6	70.0

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#5

2-Fluorophenol

Concen: 111.34 ng

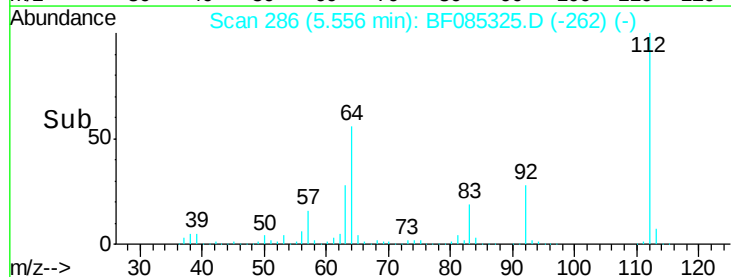
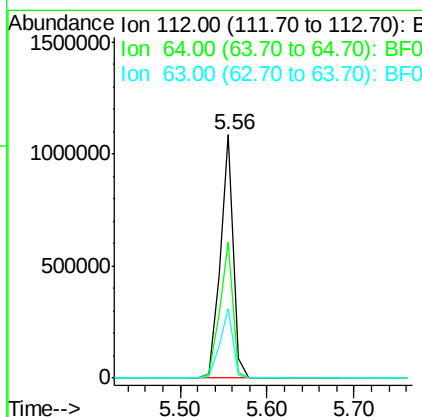
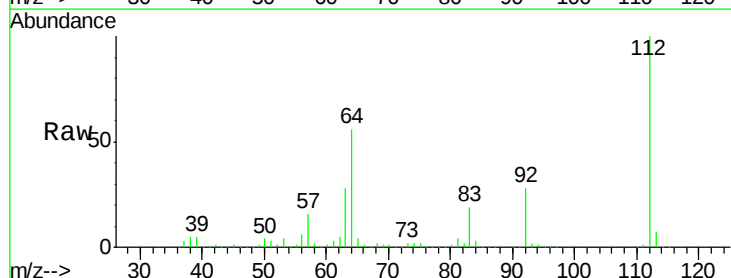
RT: 5.56 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Tgt Ion:	112	Resp:	1136235
Ion Ratio	Lower	Upper	
112	100		
64	56.0	49.0	73.4
63	28.3	24.8	37.2





#7

Phenol-d6

Concen: 106.46 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085325.D

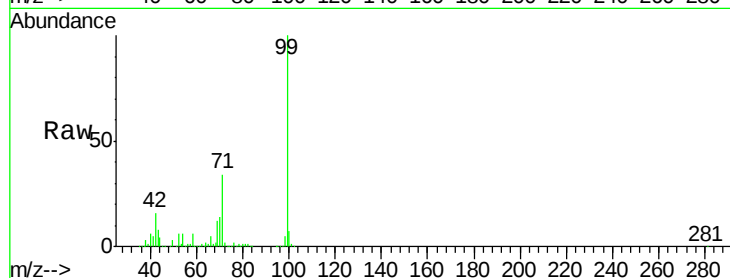
Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)



Tgt Ion: 99 Resp: 1423425

Ion Ratio Lower Upper

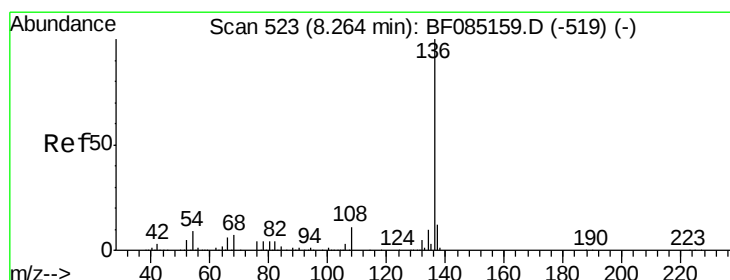
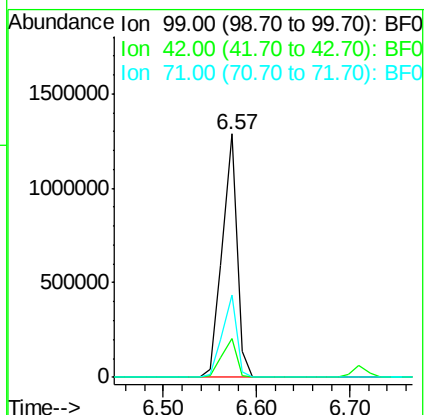
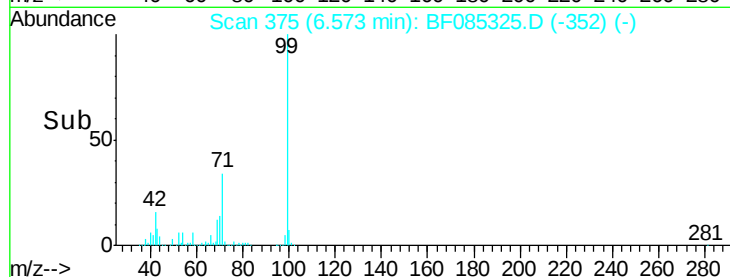
99 100

42 15.7 13.6 20.4

71 33.7 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Tgt Ion: 136 Resp: 722282

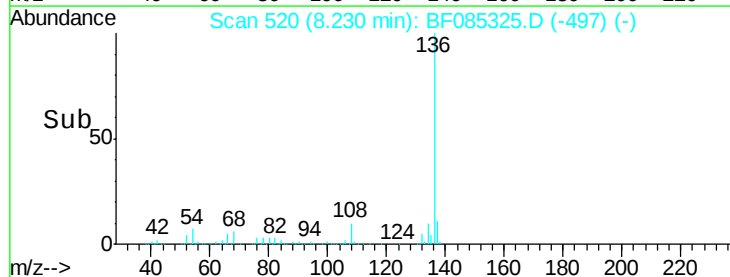
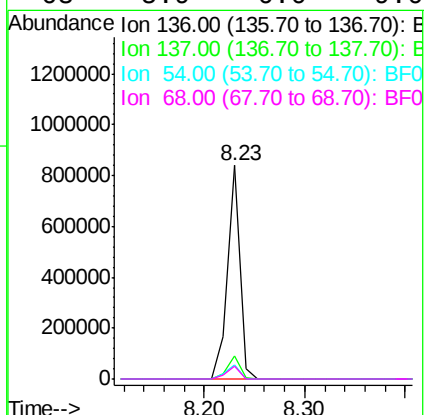
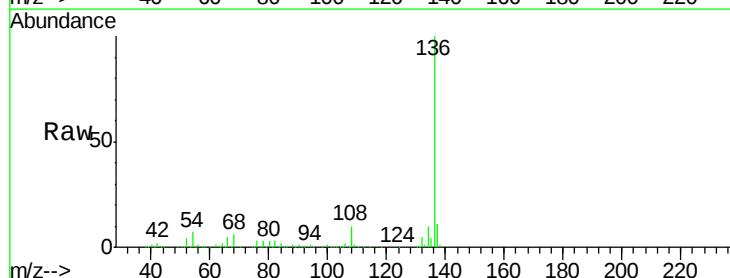
Ion Ratio Lower Upper

136 100

137 11.0 9.3 13.9

54 6.9 7.4 11.2#

68 5.9 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 78.70 ng

RT: 7.51 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion: 82 Resp: 1062296

Ion Ratio Lower Upper

82 100

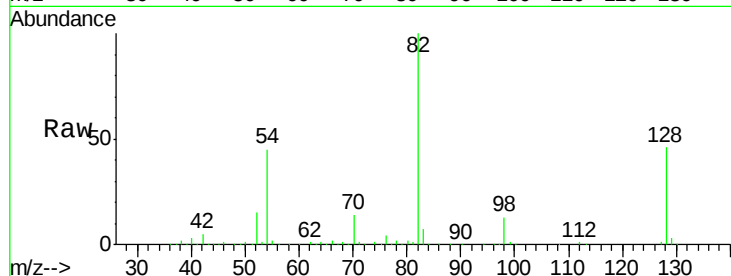
128 46.2 34.5 51.7

54 45.5 39.3 58.9

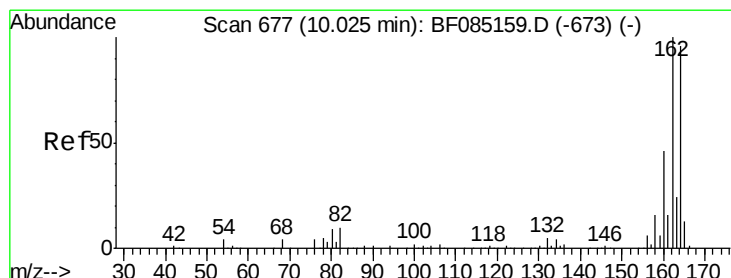
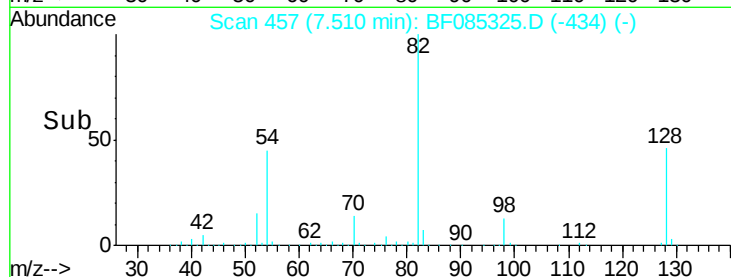
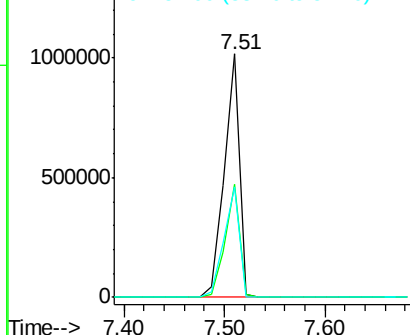
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.99 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

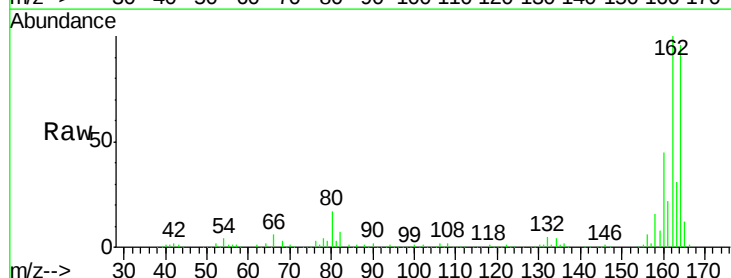
Tgt Ion: 164 Resp: 326848

Ion Ratio Lower Upper

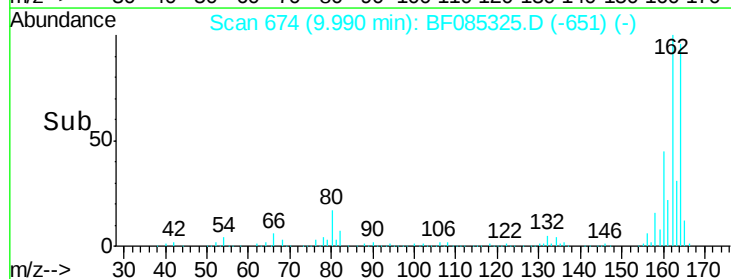
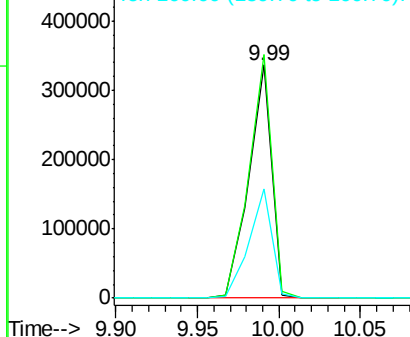
164 100

162 104.4 83.3 124.9

160 46.8 37.9 56.9



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





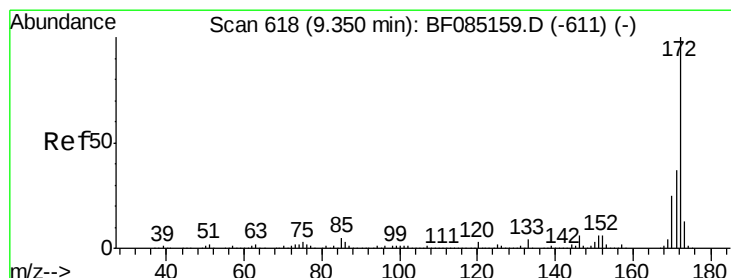
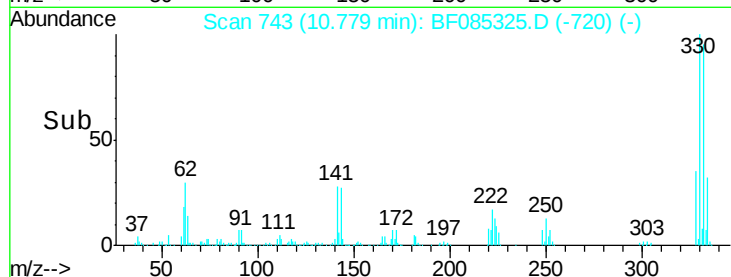
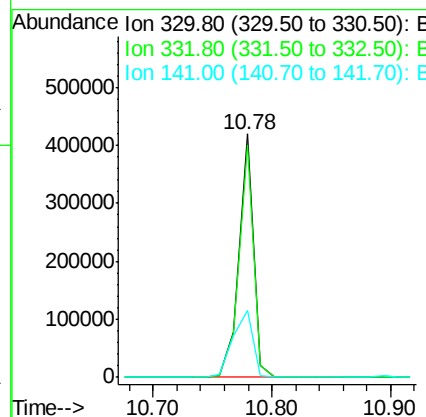
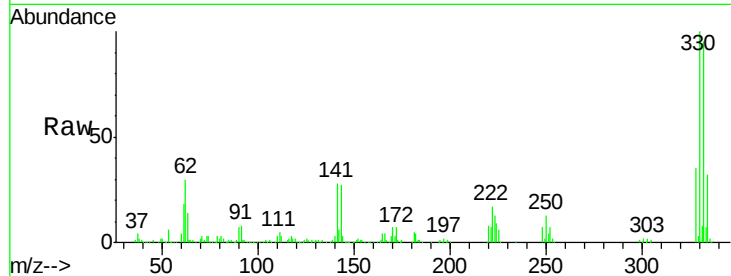
#41
 2,4,6-Tribromophenol
 Concen: 128.64 ng
 RT: 10.78 min Scan# 743
 Delta R.T. -0.03 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	359782		
332	95.8	77.1	115.7	
141	37.2	35.0	52.6	

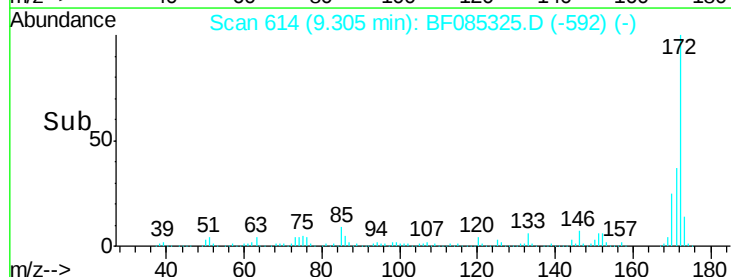
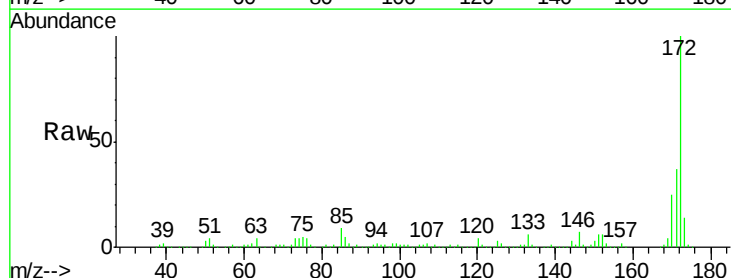
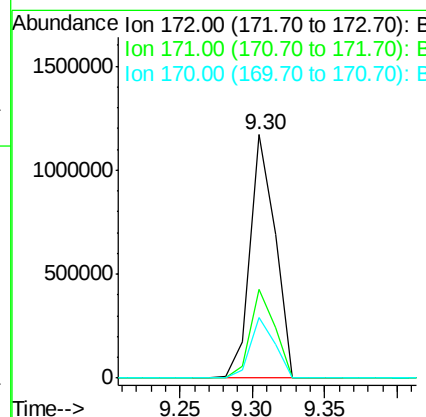
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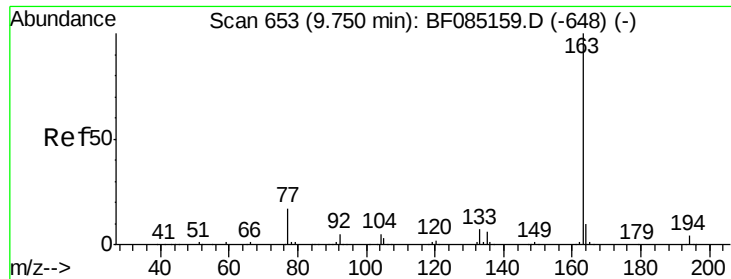
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#44
 2-Fluorobiphenyl
 Concen: 65.46 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1406819		
171	36.7	29.3	43.9	
170	24.6	20.0	30.0	





#49

Dimethylphthalate

Concen: 14.75 ng

RT: 9.70 min Scan# 649

Delta R.T. -0.05 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

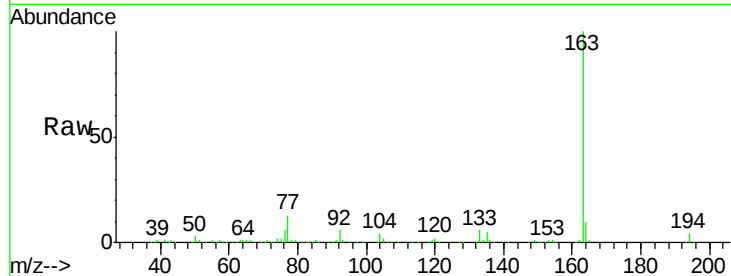
W170TH-SB-22(0.5-2.0)

Manual Integrations
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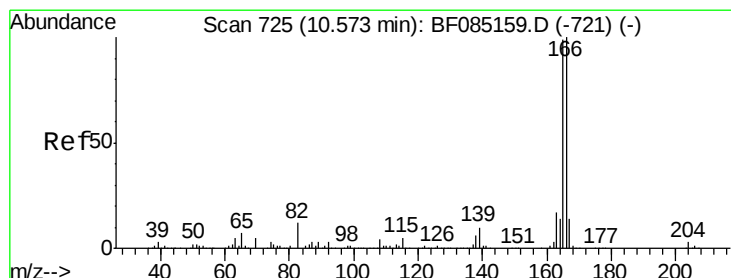
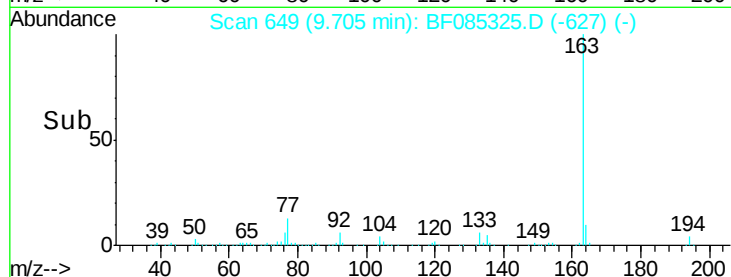
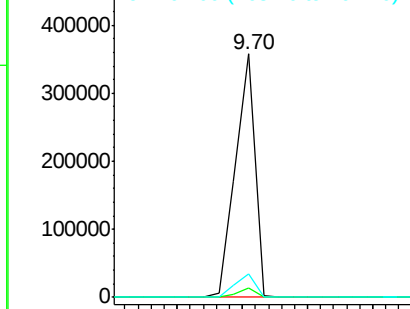
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	369965		
194	4.0	3.1	4.7	
164	9.5	8.2	12.4	



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

Fluorene

Concen: 2.81 ng

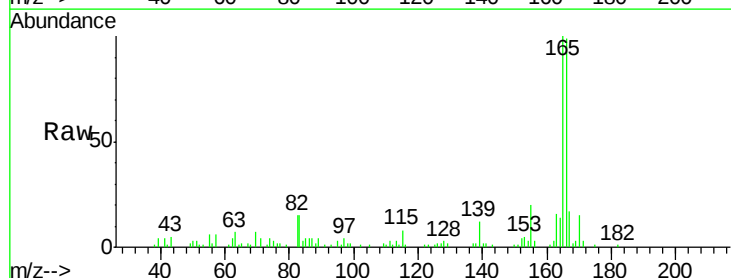
RT: 10.53 min Scan# 721

Delta R.T. -0.05 min

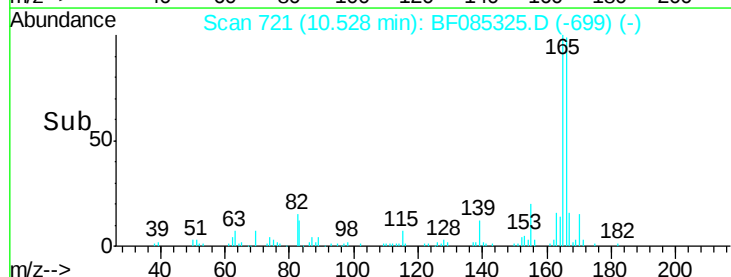
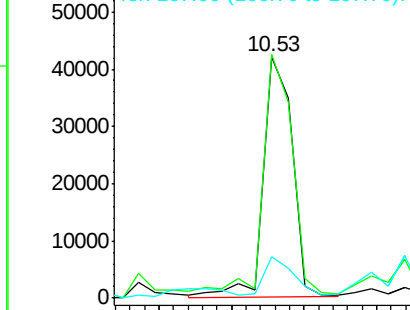
Lab File: BF085325.D

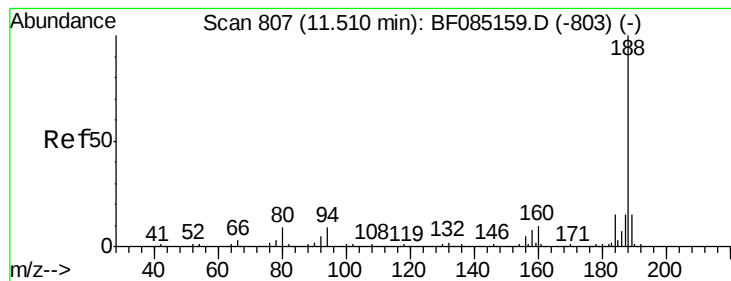
Acq: 10 Mar 2016 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	58072		
165	100.8	79.4	119.0	
167	17.1	11.0	16.6#	



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





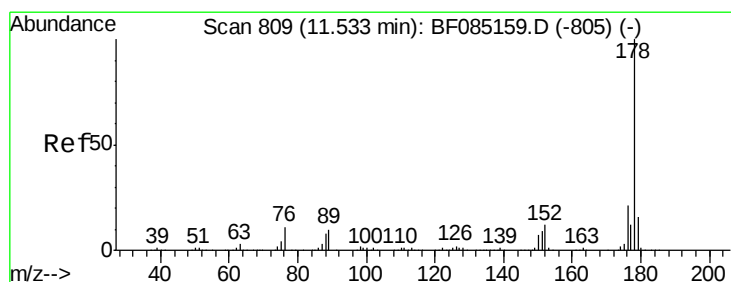
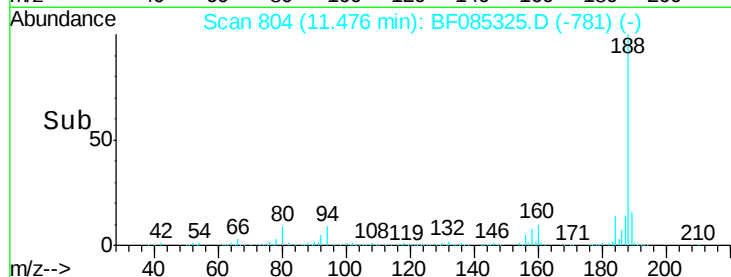
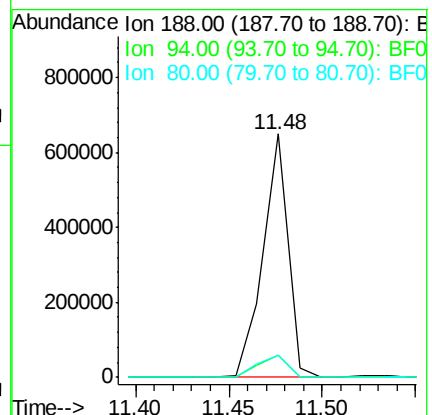
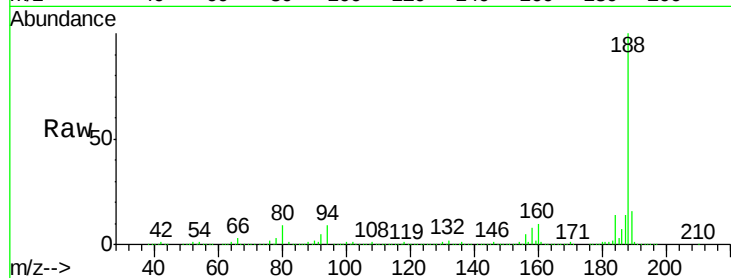
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Instrument :
BNA_F
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W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	7.0	10.6
80	9.3	7.4	11.0

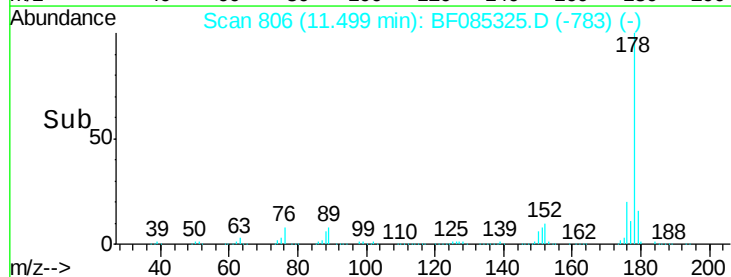
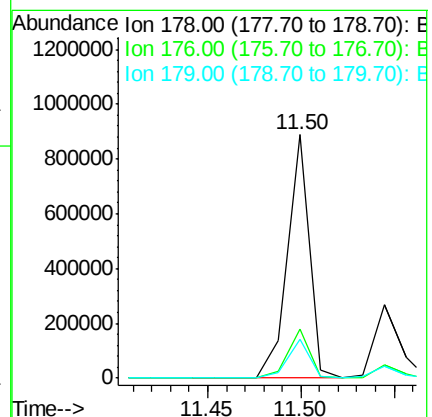
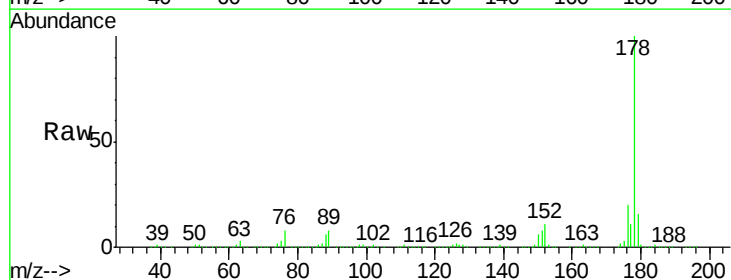
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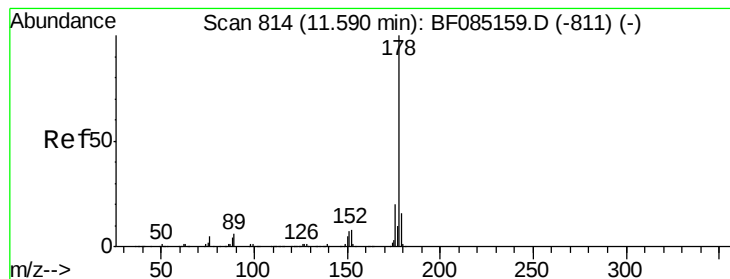
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#70
Phenanthrene
Concen: 23.24 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	16.8	25.2
179	15.8	13.1	19.7





#71

Anthracene

Concen: 7.53 ng

RT: 11.54 min Scan# 810

Delta R.T. -0.05 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

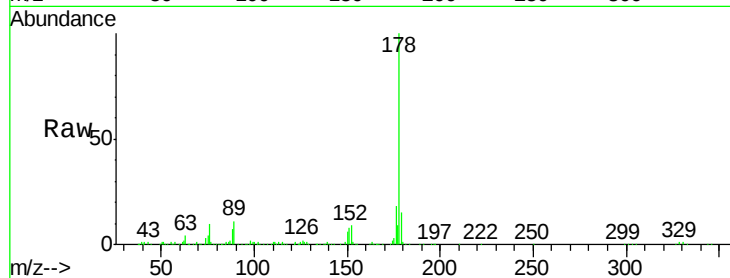
W170TH-SB-22(0.5-2.0)

Manual Integrations
APPROVED

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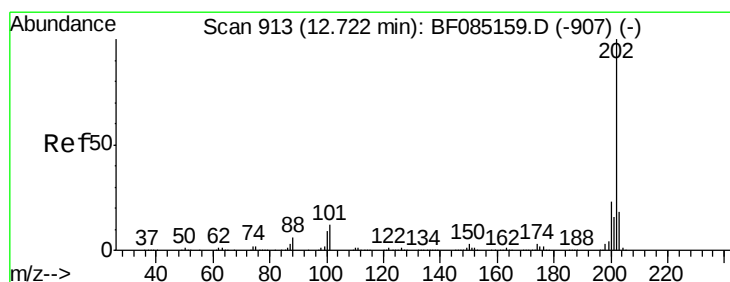
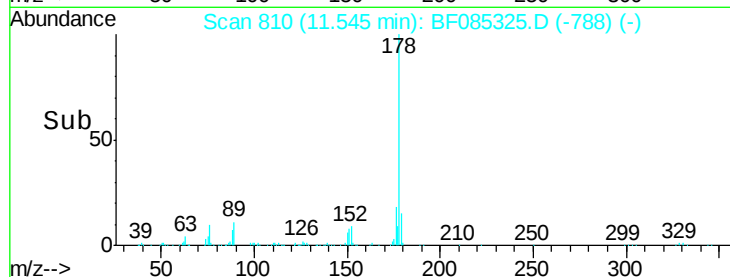
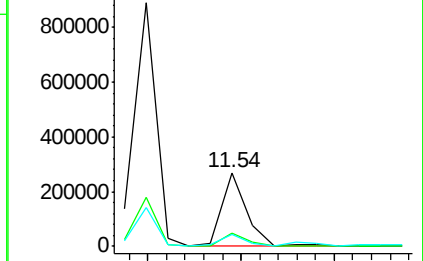
Tgt	Ion	Ratio	Lower	Upper
178	100			
176	18.4	15.9	23.9	
179	15.4	12.5	18.7	



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 34.37 ng

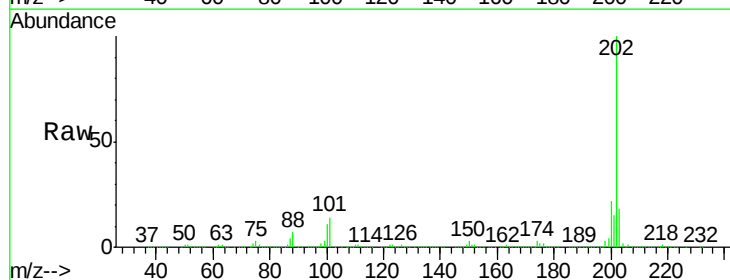
RT: 12.69 min Scan# 910

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

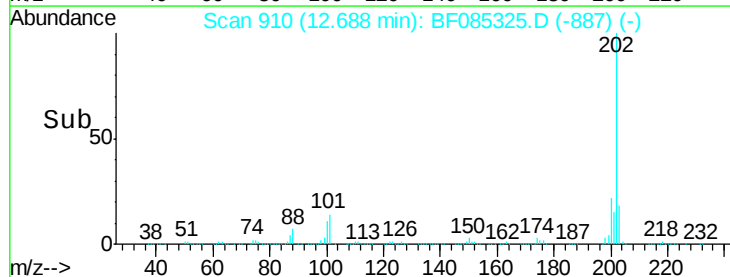
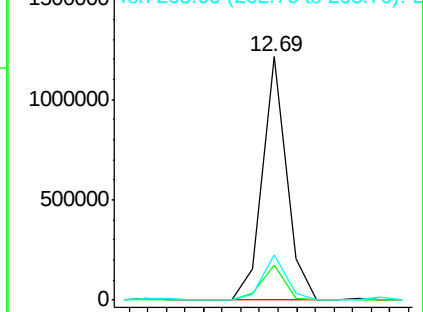
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	14.3	0.0	31.8	
203	18.5	0.0	38.4	

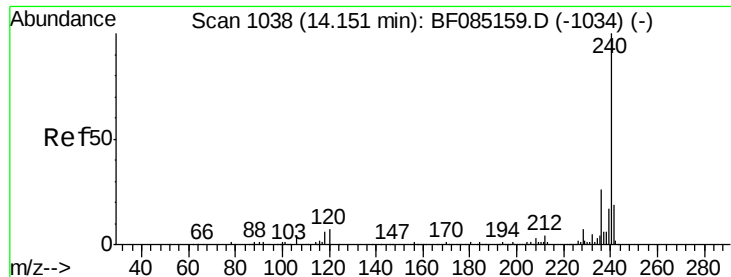


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

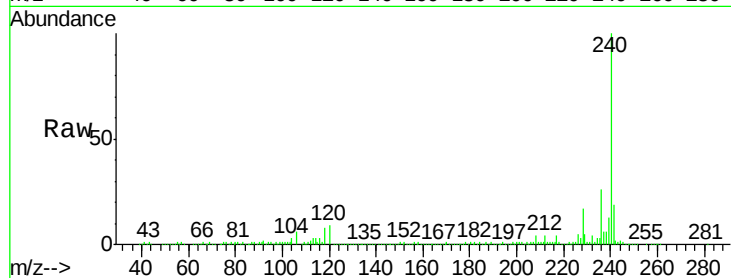
ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	314909		
120	9.4	5.3	7.9#	
236	26.3	20.7	31.1	

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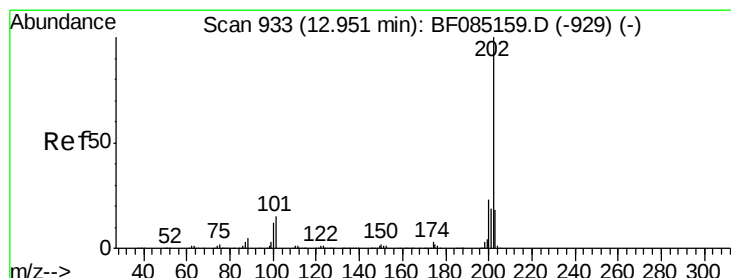
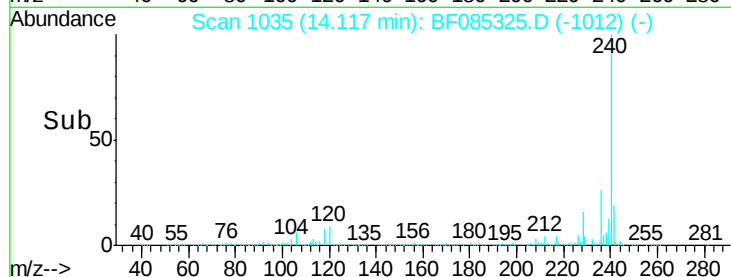
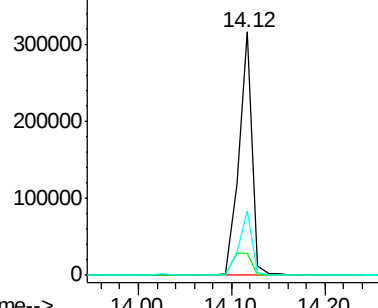
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 40.46 ng

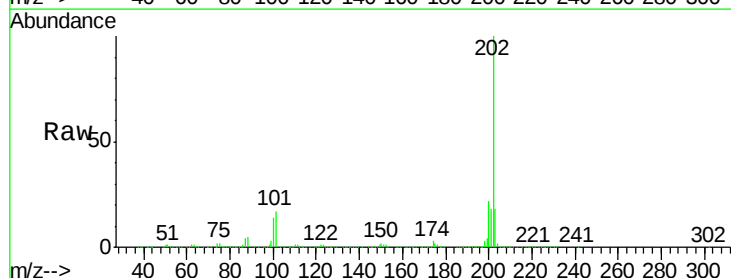
RT: 12.92 min Scan# 930

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

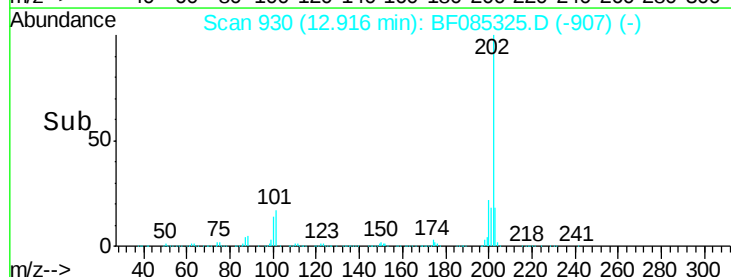
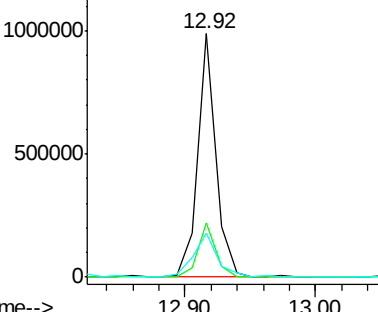
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	958917		
200	22.2	18.2	27.4	
203	18.2	14.7	22.1	

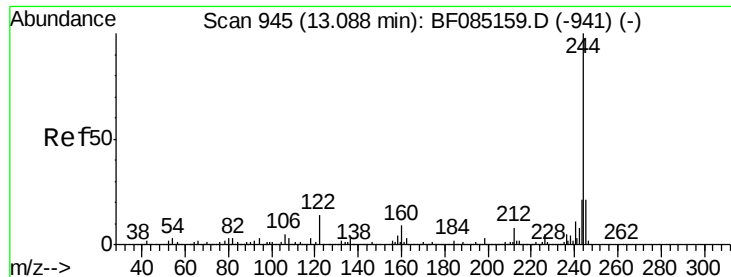


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.11 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt Ion:244 Resp: 1168134

Ion Ratio Lower Upper

244 100

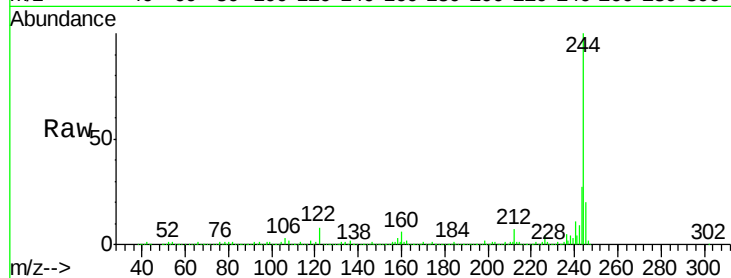
212 6.9 6.4 9.6

122 8.4 11.4 17.2#

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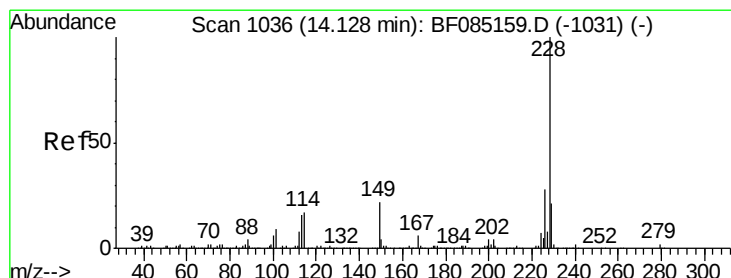
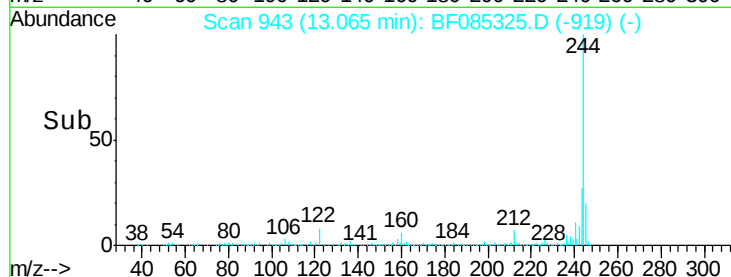
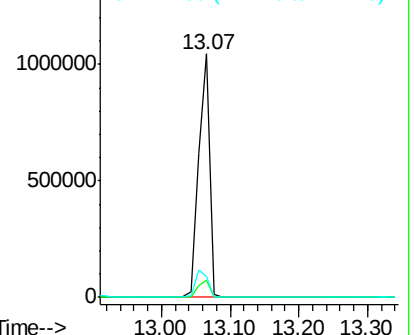
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 21.85 ng m

RT: 14.11 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

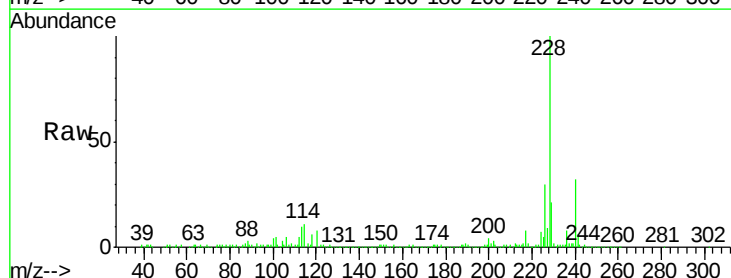
Tgt Ion:228 Resp: 411976

Ion Ratio Lower Upper

228 100

226 29.5 22.8 34.2

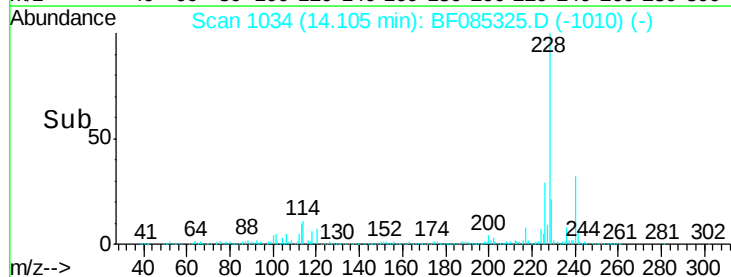
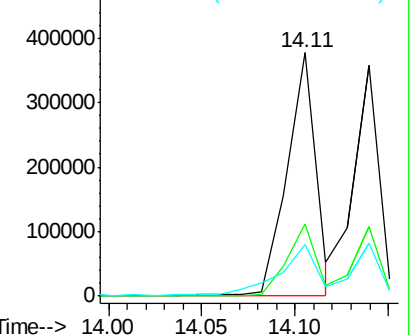
229 21.3 16.6 24.8

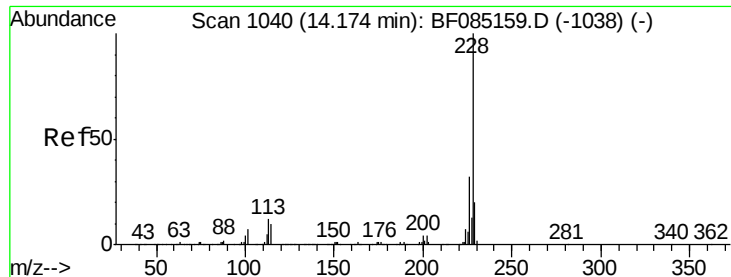


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.64 ng m

RT: 14.14 min Scan# 1037

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

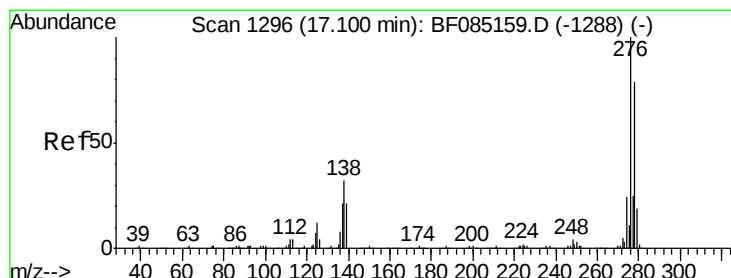
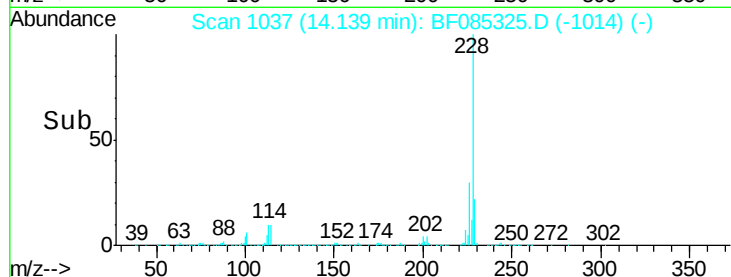
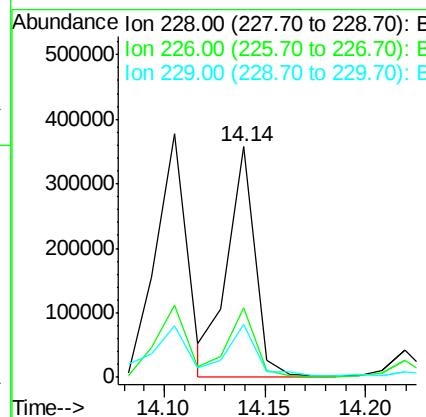
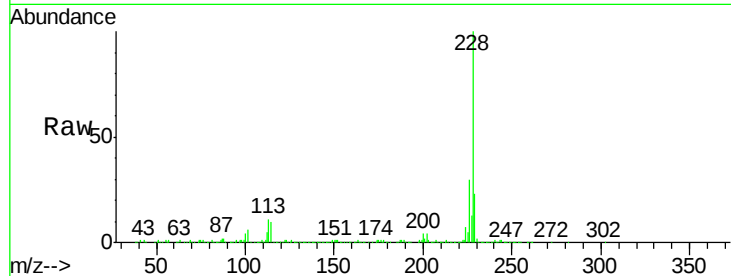
ClientSampleId :

W170TH-SB-22(0.5-2.0)

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	30.3	25.2	37.8	
229	22.8	16.0	24.0	

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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.26 ng

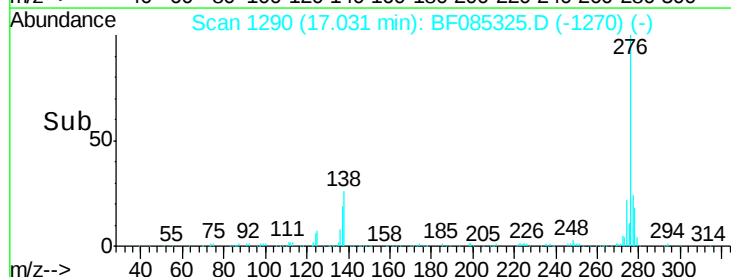
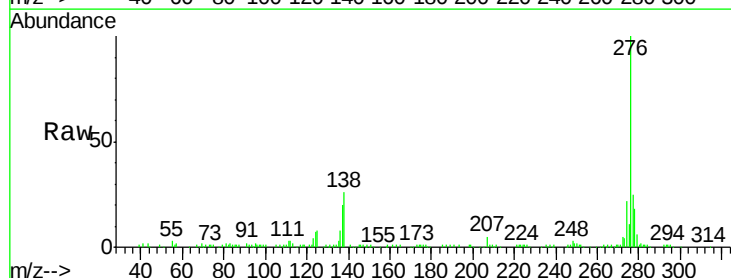
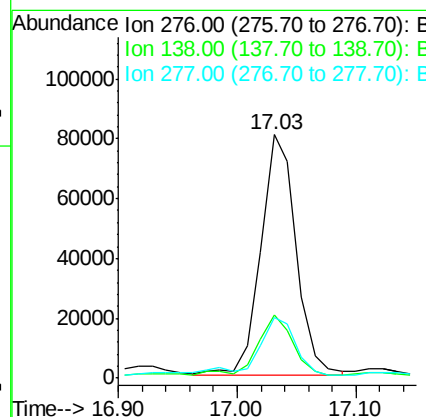
RT: 17.03 min Scan# 1290

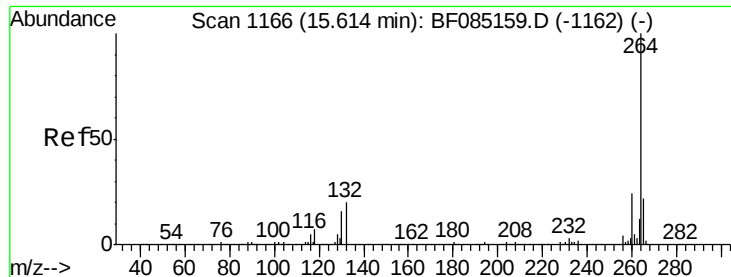
Delta R.T. -0.07 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	25.7	26.4	39.6#	
277	27.7	20.2	30.2	





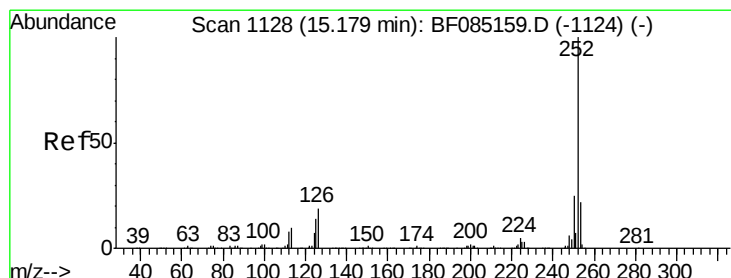
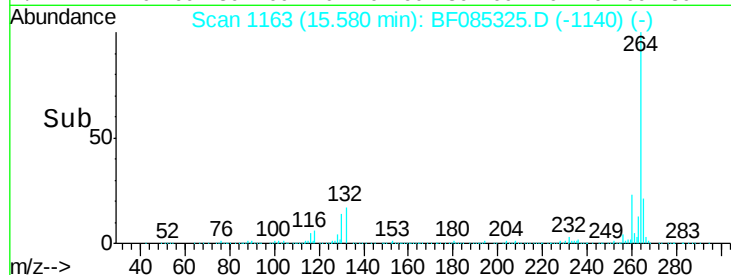
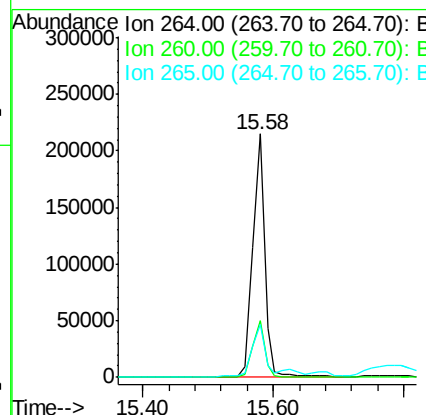
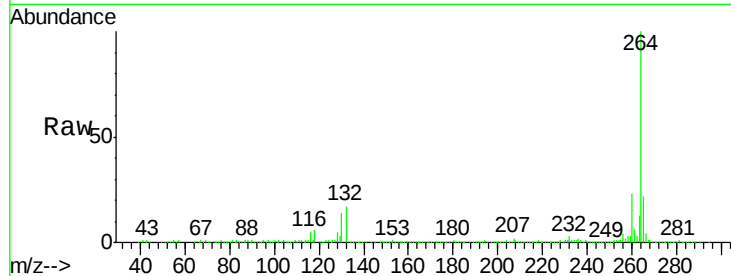
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1163
 Delta R.T. -0.03 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.7	17.3	25.9

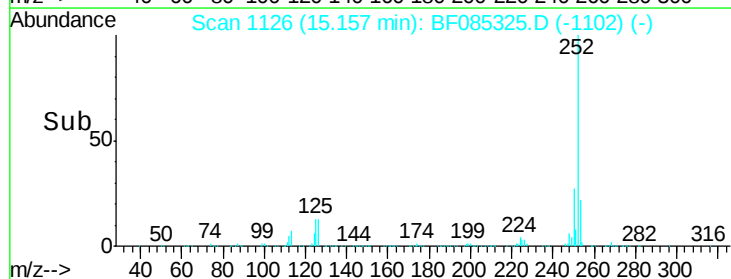
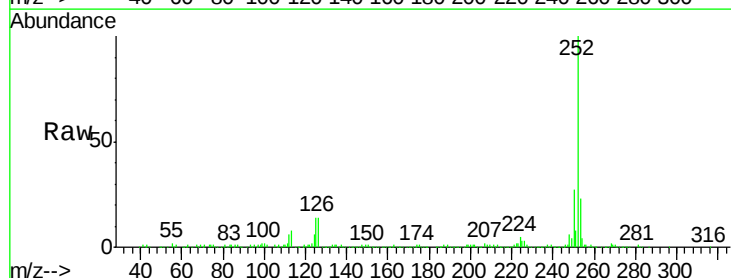
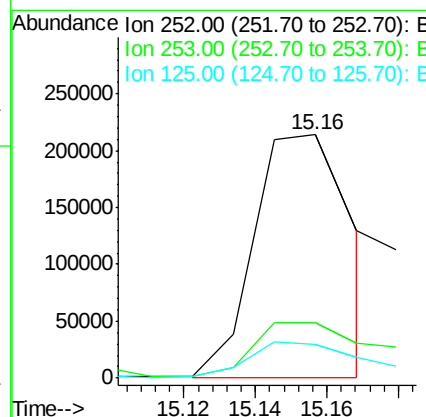
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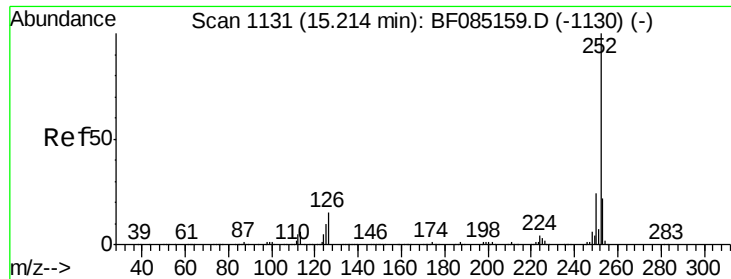
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#87
 Benzo(b)fluoranthene
 Concen: 22.07 ng m
 RT: 15.16 min Scan# 1126
 Delta R.T. -0.02 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	13.6	11.3	16.9





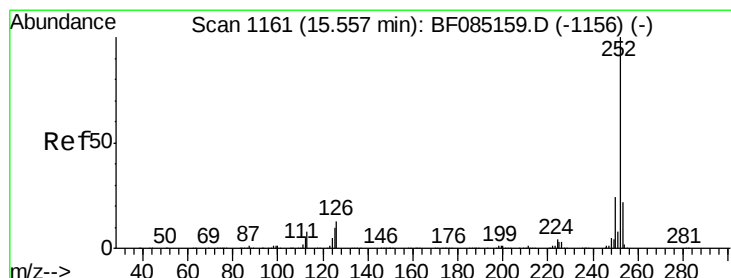
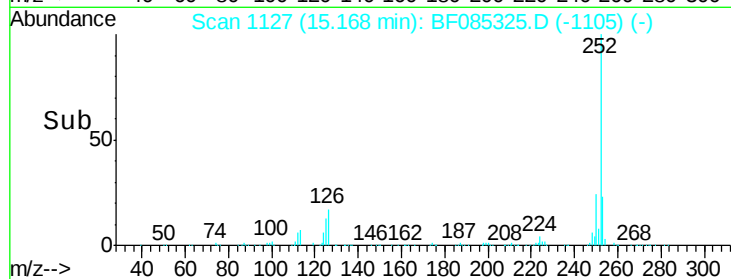
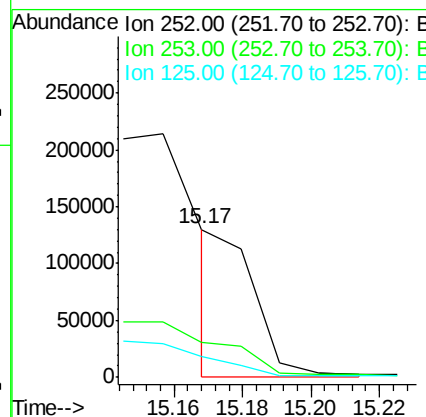
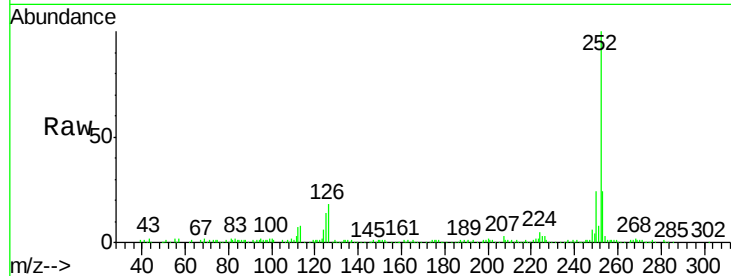
#88
Benzo(k)fluoranthene
Concen: 6.11 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-22(0.5-2.0)

Manual Integrations
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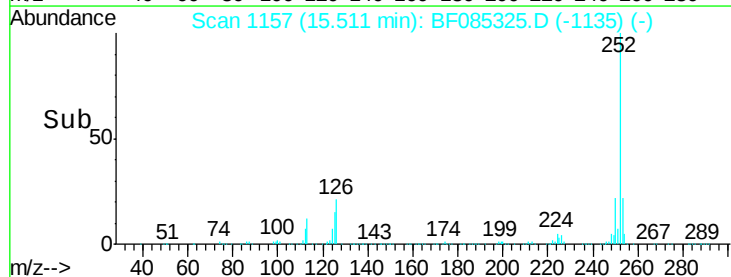
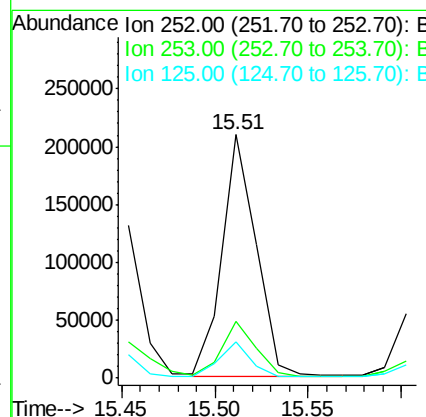
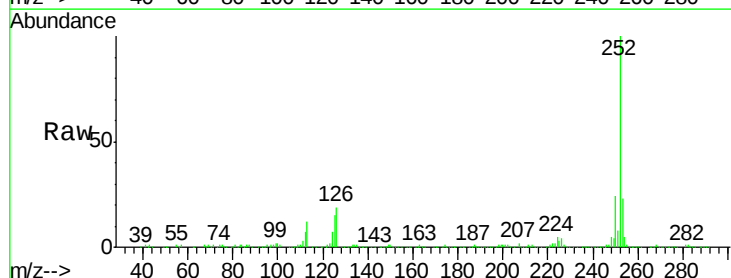
UMANGI
3/10/2016 3:04:54 PM

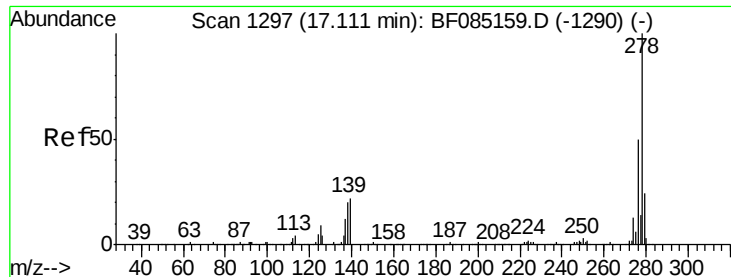
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	14.1	10.4	15.6



#89
Benzo(a)pyrene
Concen: 17.57 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	14.6	8.2	12.4#





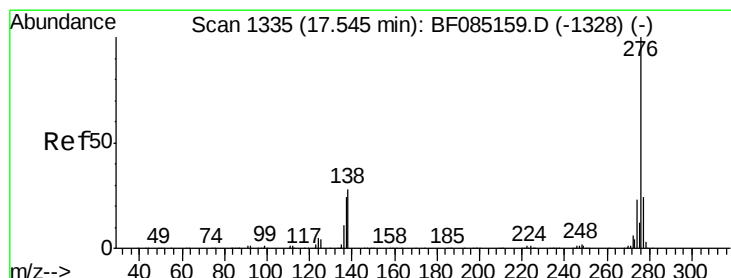
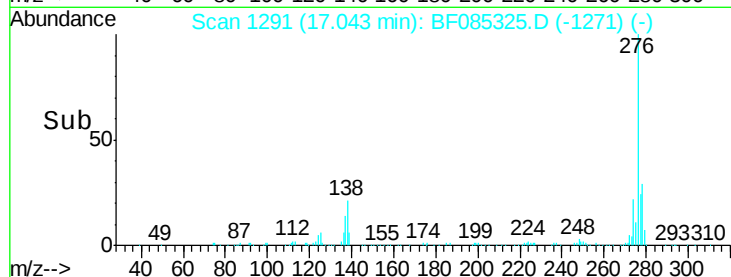
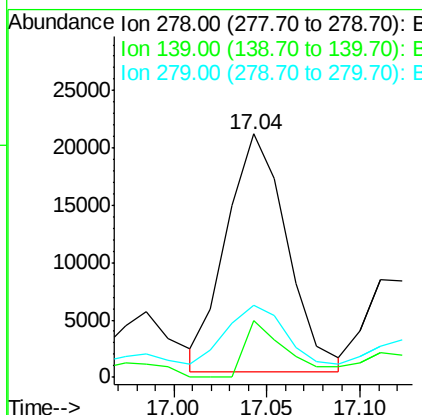
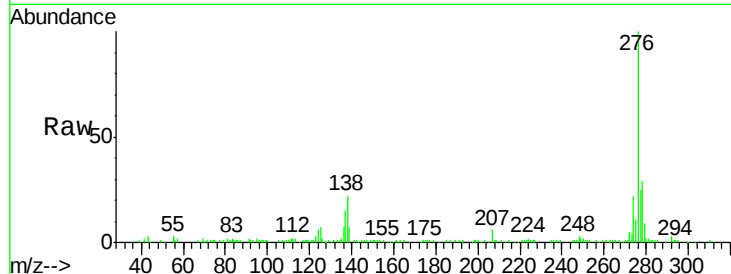
#90
Dibenzo(a,h)anthracene
Concen: 3.62 ng m
RT: 17.04 min Scan# 1291
Delta R.T. -0.07 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-22(0.5-2.0)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	17.3	25.9
279	29.4	19.2	28.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 11.33 ng
RT: 17.48 min Scan# 1329
Delta R.T. -0.07 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	26.3	22.5	33.7

