

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
 Data File : BF083583.D
 Acq On : 8 Dec 2015 5:43
 Operator : UM/IZ
 Sample : G4584-02DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(6-11)DL

Manual Integrations
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Quant Time: Dec 08 06:54:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.72	152	162839	20.00	ng	-0.05
21) Naphthalene-d8	7.62	136	573178	20.00	ng	-0.06
38) Acenaphthene-d10	10.41	164	248449	20.00	ng	-0.06
63) Phenanthrene-d10	12.81	188	387464	20.00	ng	-0.05
75) Chrysene-d12	17.01	240	365046	20.00	ng	-0.03
86) Perylene-d12	18.65	264	271411	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.01	112	141098	13.15	ng	-0.02
7) Phenol-d6	5.30	99	195209	13.20	ng	-0.02
23) Nitrobenzene-d5	6.56	82	122157	9.96	ng	-0.05
41) 2,4,6-Tribromophenol	11.71	330	24443	10.67	ng	-0.05
44) 2-Fluorobiphenyl	9.37	172	199818	10.91	ng	-0.06
78) Terphenyl-d14	15.44	244	146754	8.95	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	7.65	128	1135029	37.20	ng	99
37) 2-Methylnaphthalene	8.76	142	142454	7.55	ng	97
45) 1,1'-Biphenyl	9.52	154	56357	2.55	ng	97
51) Acenaphthene	10.46	154	182817	11.66	ng	99
57) Fluorene	11.30	166	70277m	3.72	ng	
70) Phenanthrene	12.84	178	390295	17.31	ng	99
71) Anthracene	12.93	178	120983	5.26	ng	98
74) Fluoranthene	14.77	202	167450	7.49	ng	98
77) Pyrene	15.13	202	229965	8.42	ng	100
80) Benzo(a)anthracene	17.00	228	66074m	3.09	ng	
82) Chrysene	17.05	228	57151	2.69	ng	99
87) Benzo(b)fluoranthene	18.28	252	39990m	2.62	ng	
89) Benzo(a)pyrene	18.60	252	47363	3.19	ng	98

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

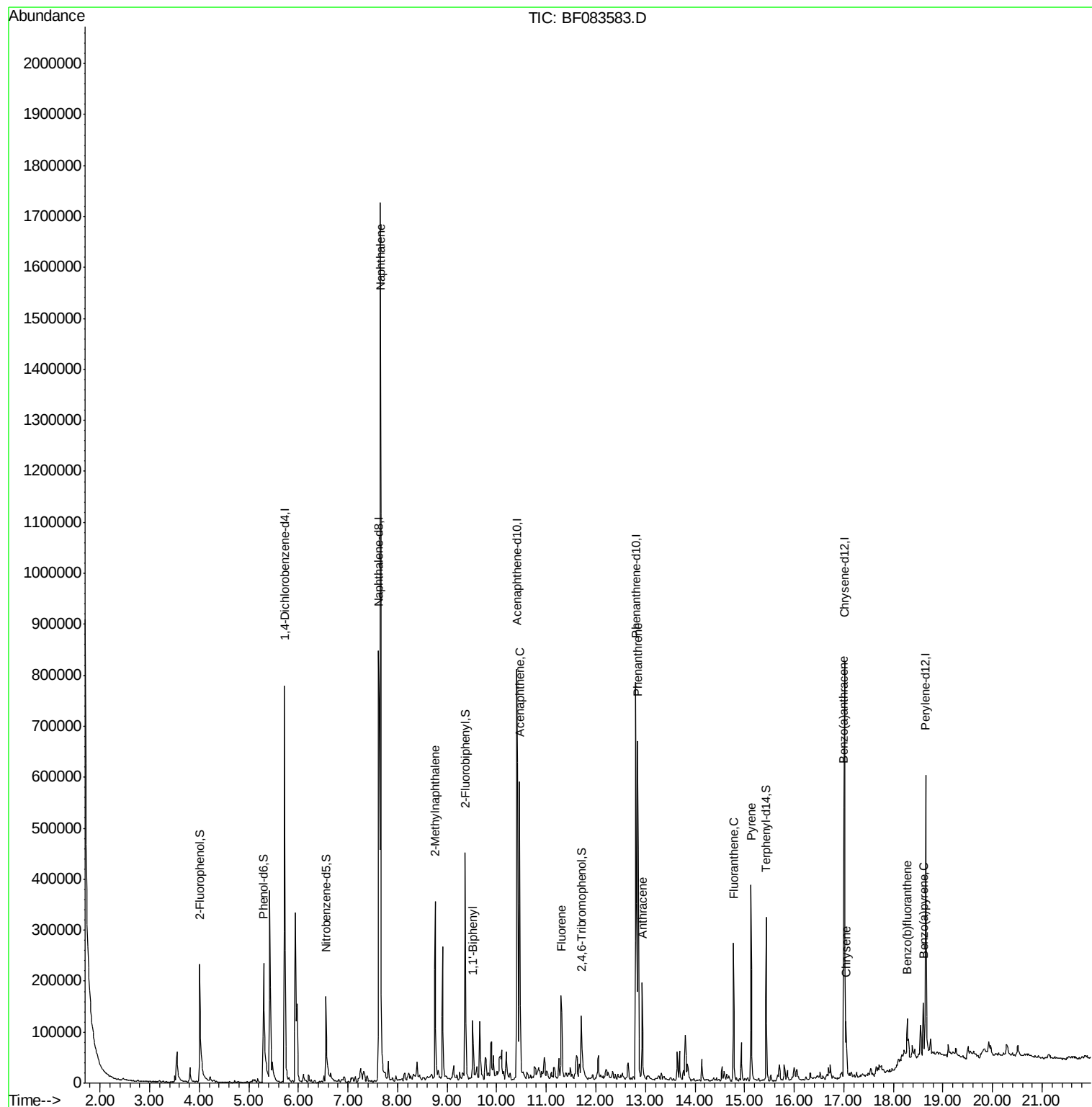
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083583.D
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Operator : UM/IZ
Sample : G4584-02DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

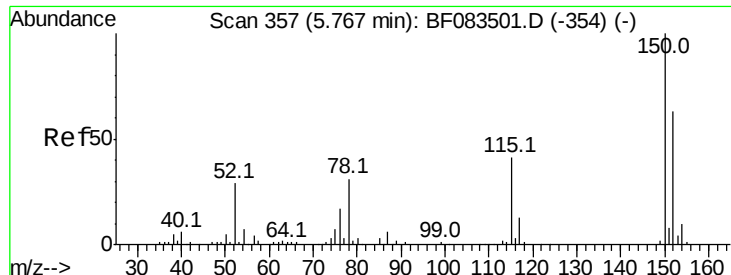
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(6-11)DL

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Quant Time: Dec 08 06:54:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.72 min Scan# 353

Delta R.T. -0.05 min

Lab File: BF083583.D

Acq: 8 Dec 2015 5:43

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-10(6-11)DL

Tot Ion:152 Resp: 162839

Ion Ratio Lower Upper

152 100

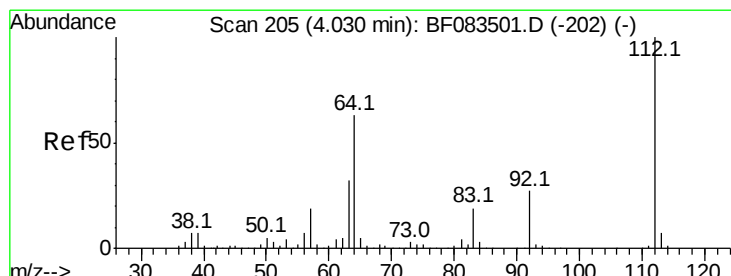
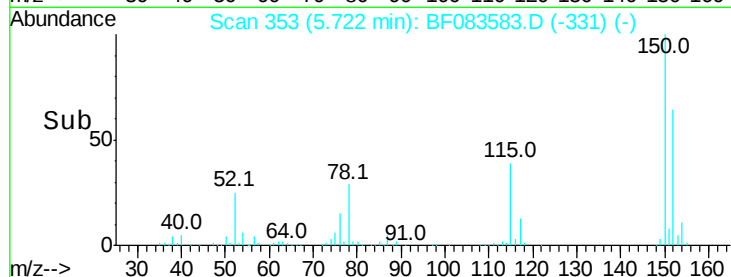
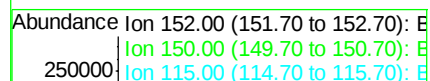
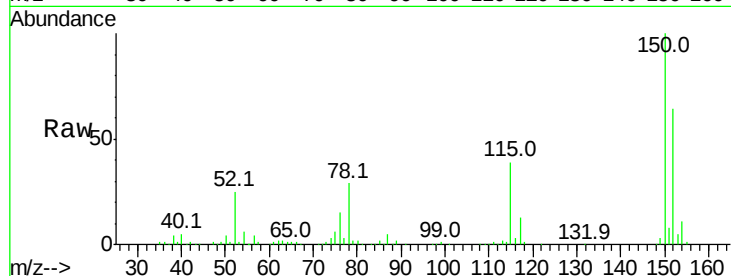
150 155.6 126.5 189.7

115 61.0 52.3 78.5

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#5

2-Fluorophenol

Concen: 13.15 ng

RT: 4.01 min Scan# 203

Delta R.T. -0.02 min

Lab File: BF083583.D

Acq: 8 Dec 2015 5:43

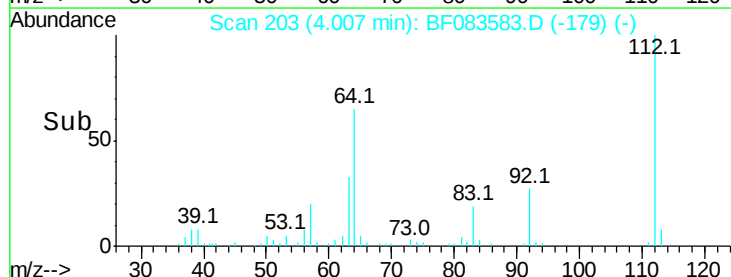
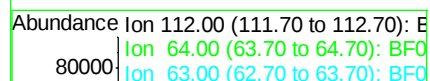
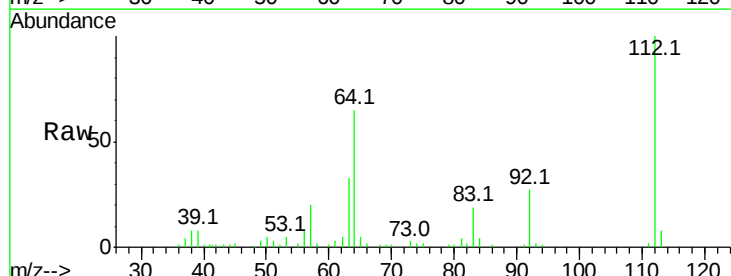
Tgt Ion:112 Resp: 141098

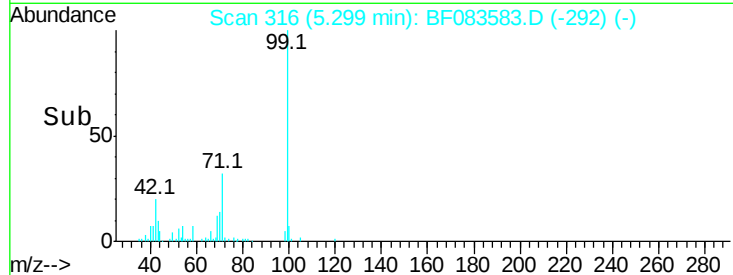
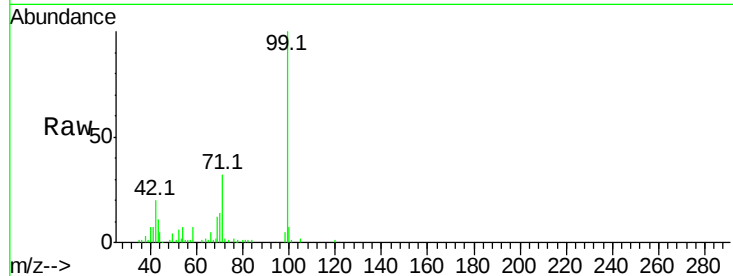
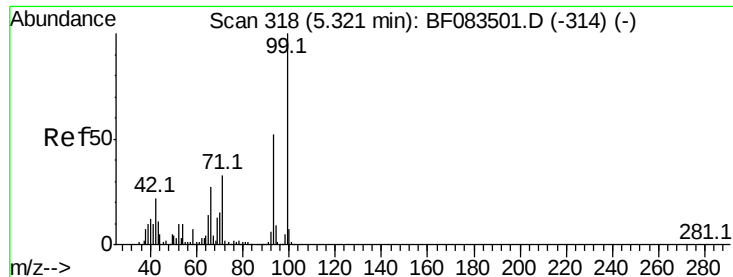
Ion Ratio Lower Upper

112 100

64 64.8 50.5 75.7

63 32.7 25.8 38.6





#7

Phenol-d6

Concen: 13.20 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083583.D

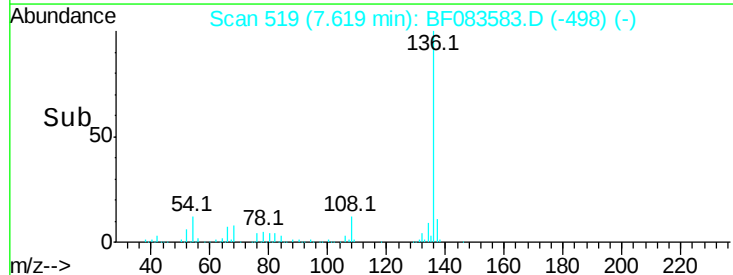
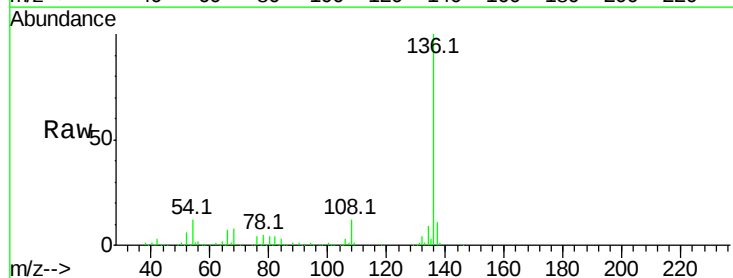
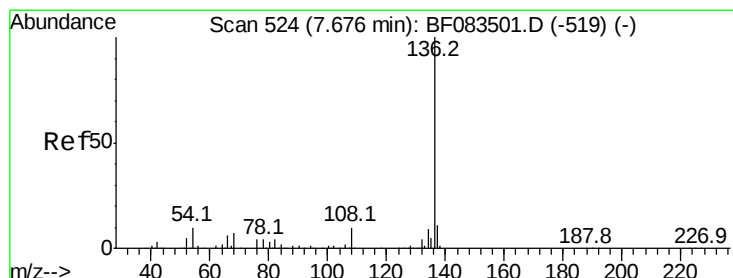
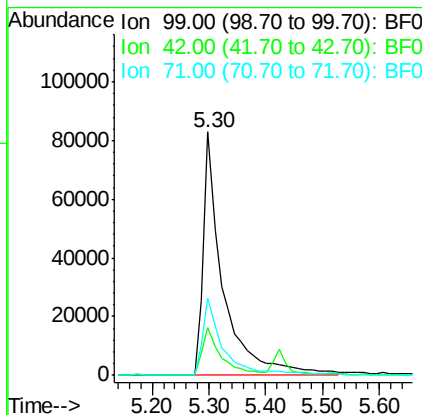
Acq: 8 Dec 2015 5:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		195209		
42	19.6	17.3	25.9		
71	31.8	26.6	40.0		

Instrument :
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ClientSampleId :
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#21

Naphthalene-d8

Concen: 20.00 ng

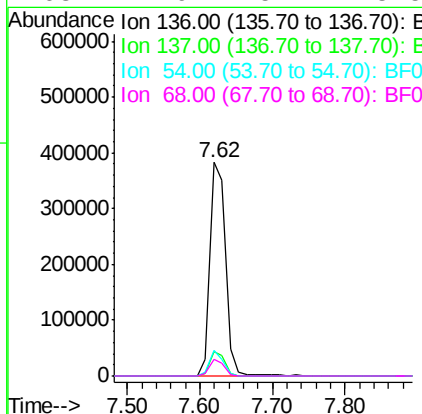
RT: 7.62 min Scan# 519

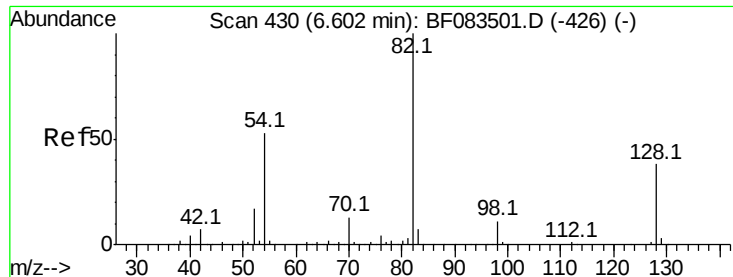
Delta R.T. -0.06 min

Lab File: BF083583.D

Acq: 8 Dec 2015 5:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		573178		
137	11.4	8.7	13.1		
54	11.7	7.8	11.6#		
68	7.9	5.7	8.5		





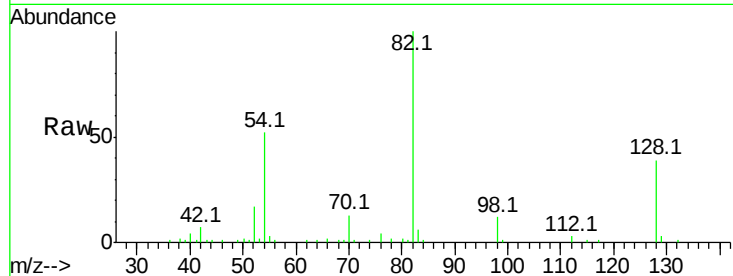
#23
Nitrobenzene-d5
Concen: 9.96 ng
RT: 6.56 min Scan# 426
Delta R.T. -0.05 min
Lab File: BF083583.D
Acq: 8 Dec 2015 5:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(6-11)DL

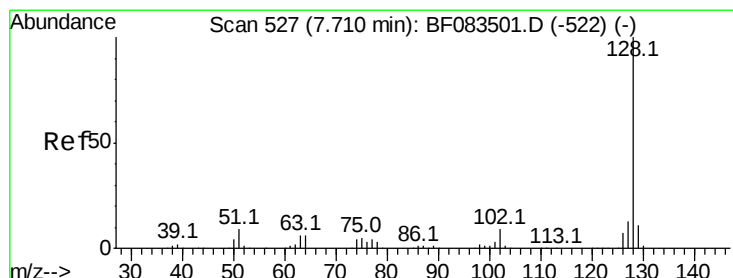
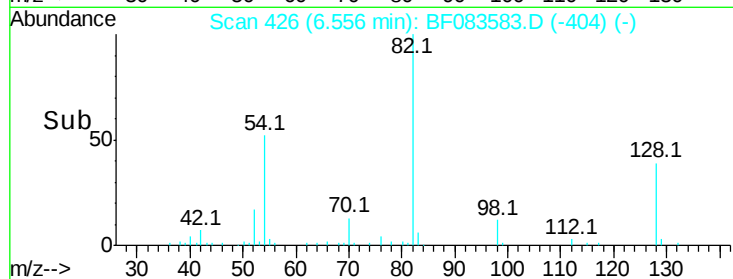
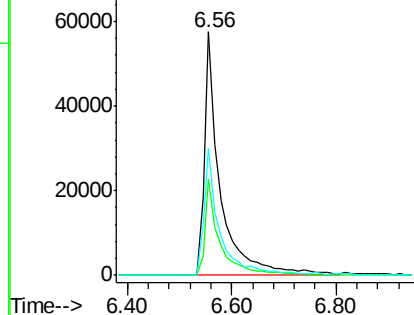
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.4	30.7	46.1	
54	52.1	42.5	63.7	

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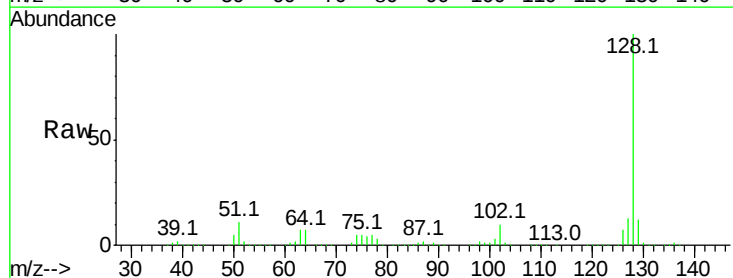


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

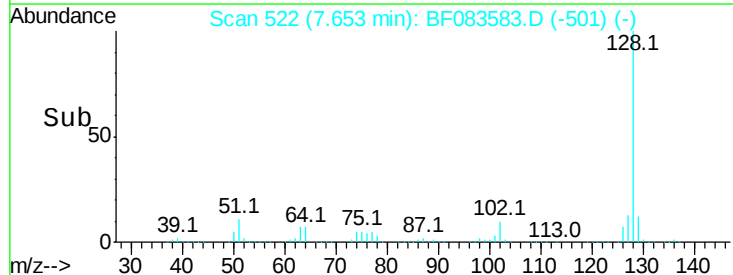
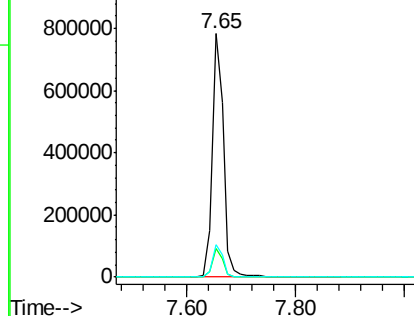


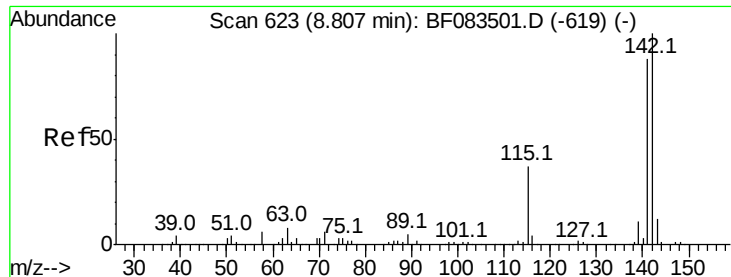
#31
Naphthalene
Concen: 37.20 ng
RT: 7.65 min Scan# 522
Delta R.T. -0.06 min
Lab File: BF083583.D
Acq: 8 Dec 2015 5:43

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.8	8.6	13.0	
127	13.3	10.6	16.0	



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





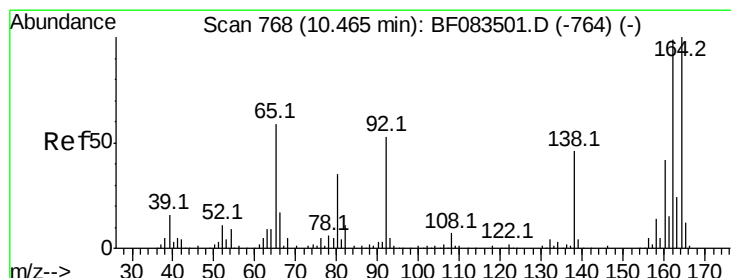
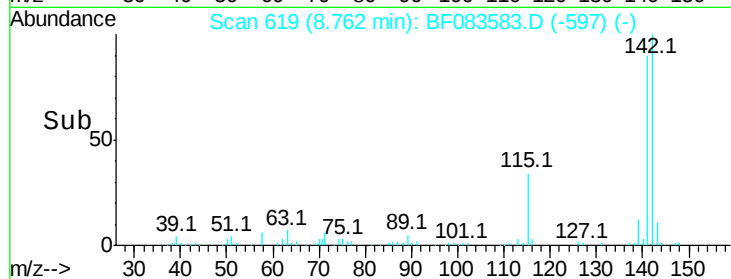
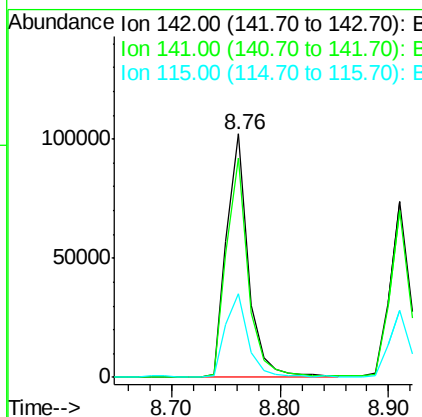
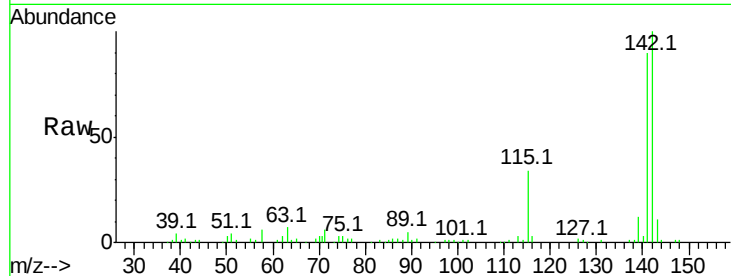
#37
 2-Methylnaphthalene
 Concen: 7.55 ng
 RT: 8.76 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF083583.D
 Acq: 8 Dec 2015 5:43

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 BNA_F
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Tot Ion	Ratio	Resp	Lower	Upper
142	100	142454		
141	90.1	70.3	105.5	
115	34.3	29.2	43.8	

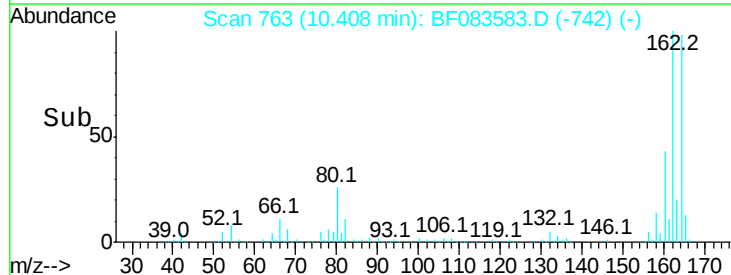
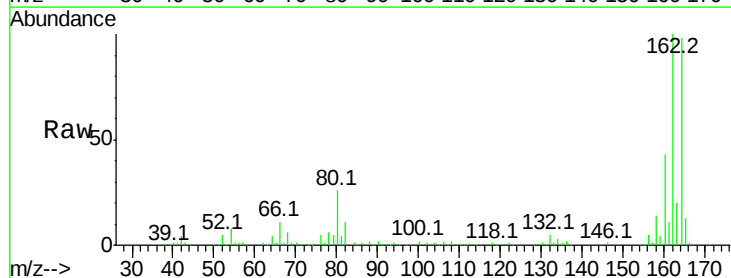
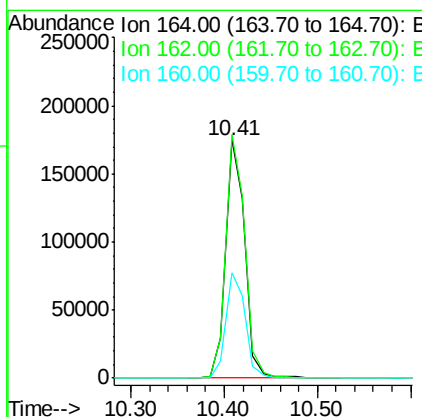
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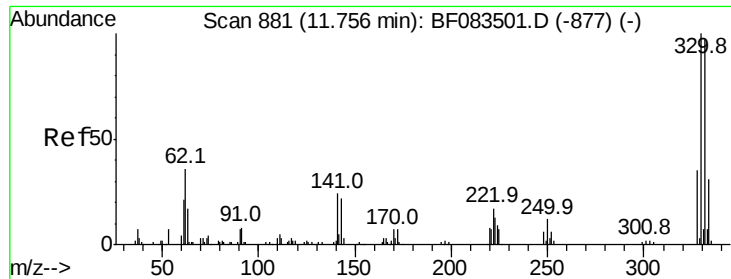
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF083583.D
 Acq: 8 Dec 2015 5:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	248449		
162	102.2	78.8	118.2	
160	44.3	33.4	50.2	





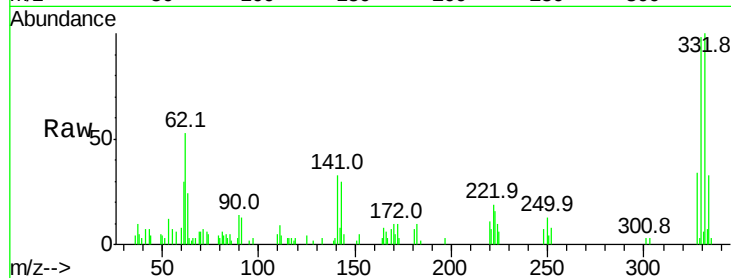
#41
 2,4,6-Tribromophenol
 Concen: 10.67 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083583.D
 Acq: 8 Dec 2015 5:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(6-11)DL

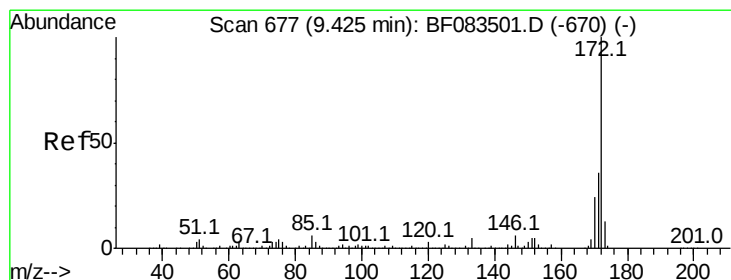
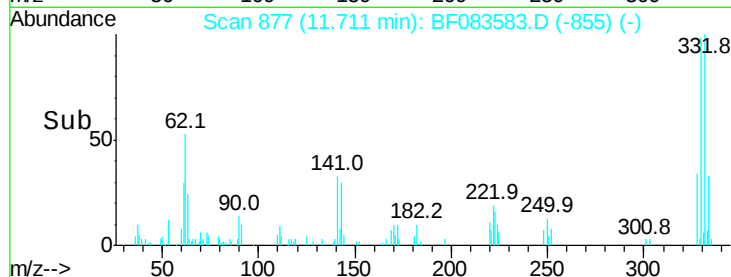
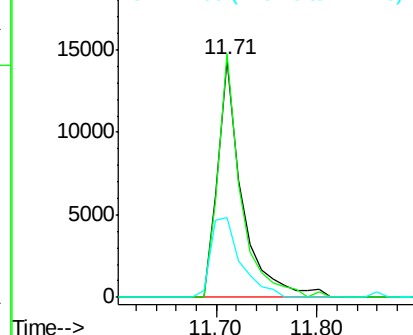
Tot Ion	Ratio	Resp	Lower	Upper
330	100	24443		
332	95.3	0.0	0.0	0.0
141	40.8	0.0	0.0	0.0

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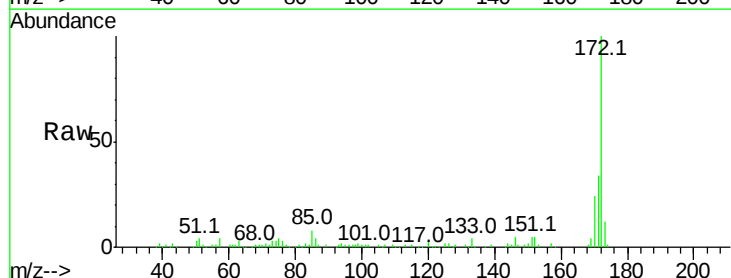


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

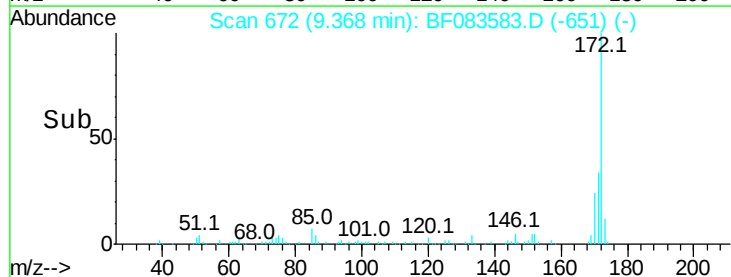
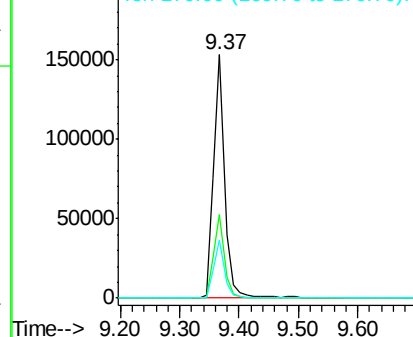


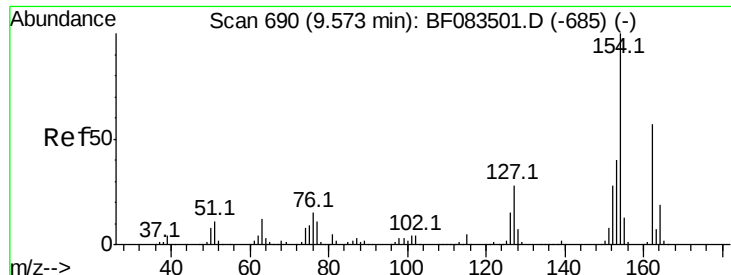
#44
 2-Fluorobiphenyl
 Concen: 10.91 ng
 RT: 9.37 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF083583.D
 Acq: 8 Dec 2015 5:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	199818		
171	34.1	28.6	42.8	
170	23.6	19.4	29.0	



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





#45

1,1'-Biphenyl

Concen: 2.55 ng

RT: 9.52 min Scan# 685

Delta R.T. -0.06 min

Lab File: BF083583.D

Acq: 8 Dec 2015 5:43

Instrument :

BNA_F

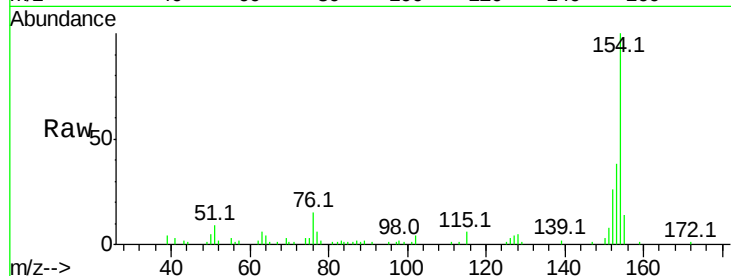
ClientSampleId :

SB-P3WC-10(6-11)DL

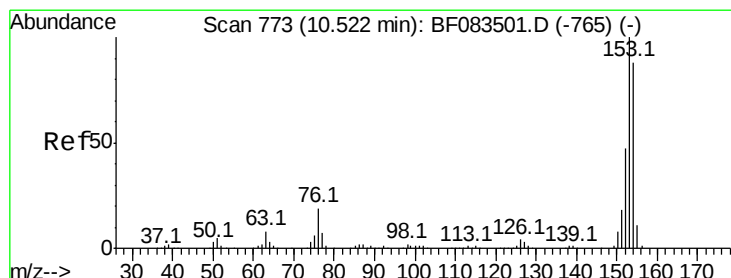
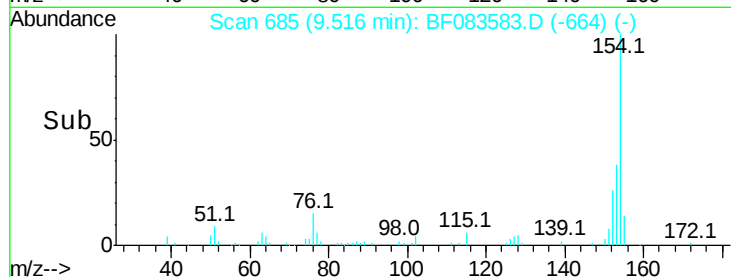
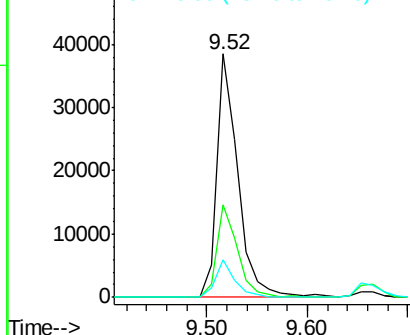
Tot Ion:	154	Resp:	56357
Ion Ratio	Lower	Upper	
154	100		
153	38.1	20.2	60.2
76	15.4	0.0	34.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 11.66 ng

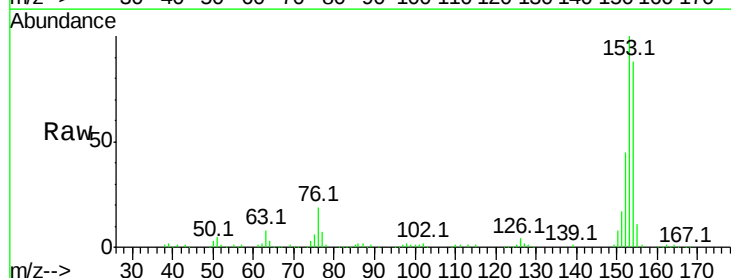
RT: 10.46 min Scan# 768

Delta R.T. -0.06 min

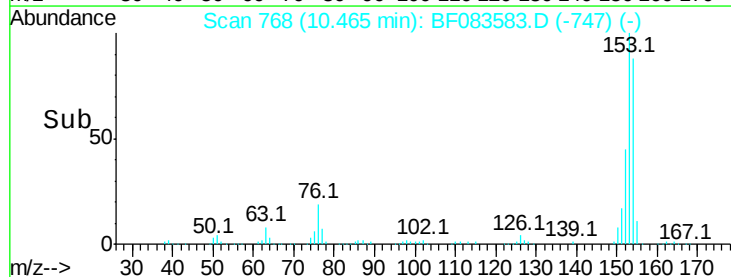
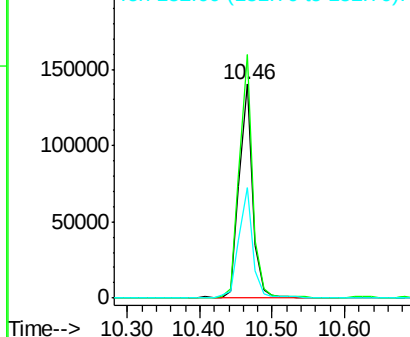
Lab File: BF083583.D

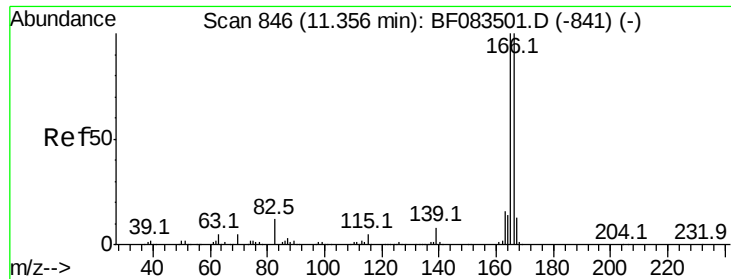
Acq: 8 Dec 2015 5:43

Tgt Ion:	154	Resp:	182817
Ion Ratio	Lower	Upper	
154	100		
153	114.0	91.4	137.0
152	51.8	43.4	65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





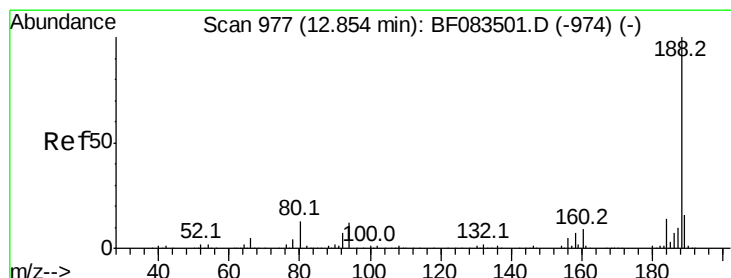
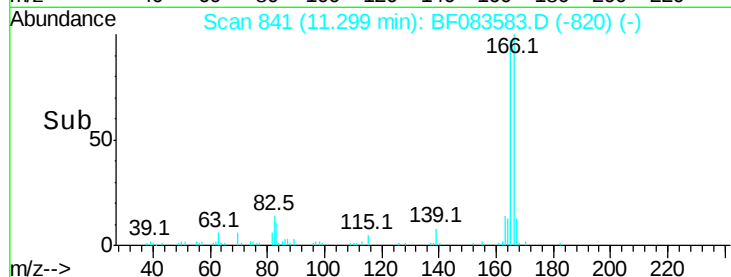
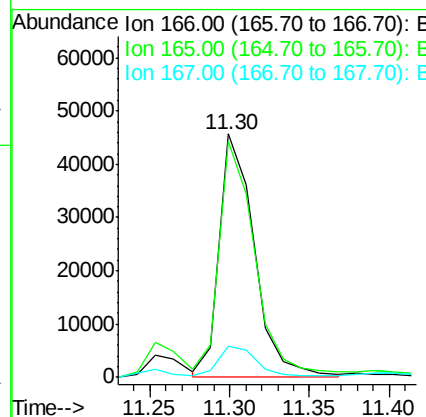
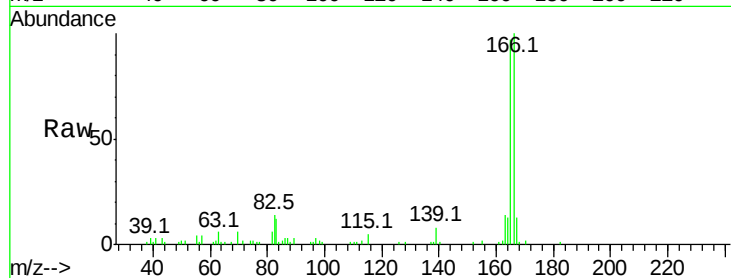
#57
Fluorene
 Concen: 3.72 ng/ml
 RT: 11.30 min Scan# 841
 Delta R.T. -0.06 min
 Lab File: BF083583.D
 Acq: 8 Dec 2015 5:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(6-11)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	80.0	120.0
167	12.9	10.6	16.0

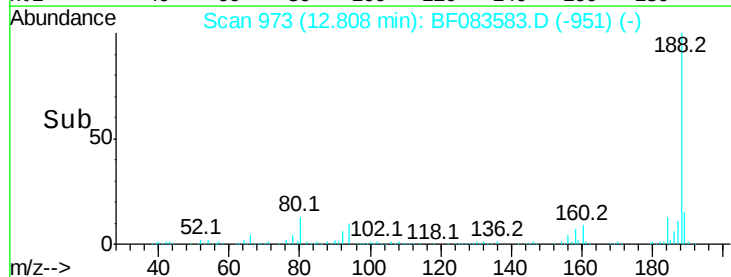
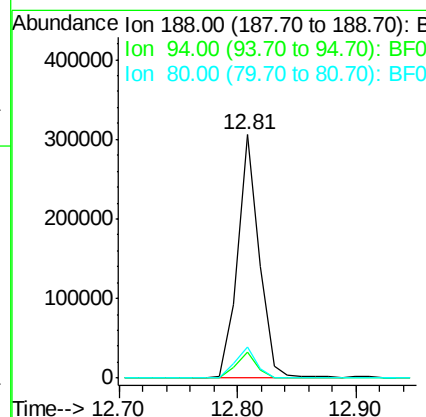
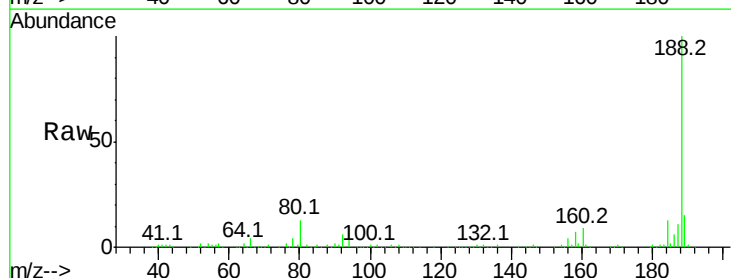
Manual Integrations
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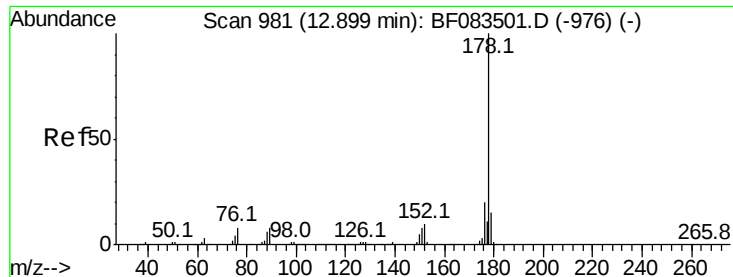
Mmdadoda
 12/8/2015 6:15:53 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.81 min Scan# 973
 Delta R.T. -0.05 min
 Lab File: BF083583.D
 Acq: 8 Dec 2015 5:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	12.7	10.6	16.0





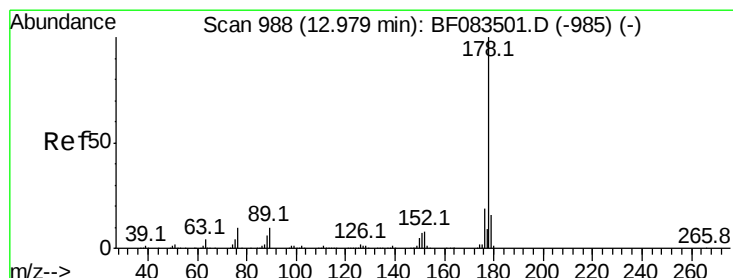
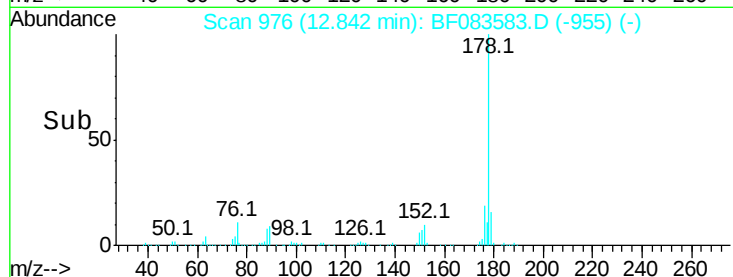
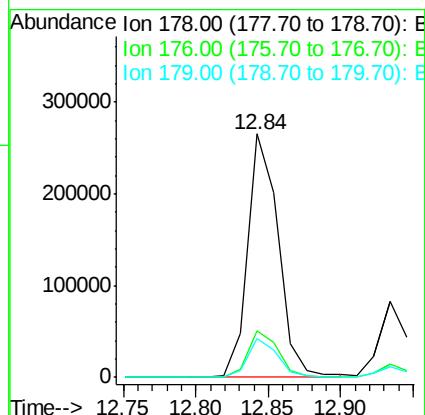
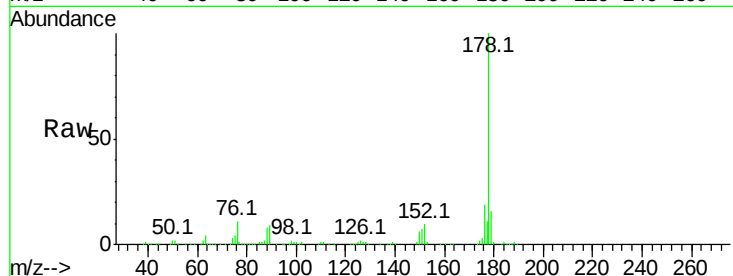
#70
Phenanthrene
Concen: 17.31 ng
RT: 12.84 min Scan# 976
Delta R.T. -0.06 min
Lab File: BF083583.D
Acq: 8 Dec 2015 5:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(6-11)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	16.0	12.2	18.4

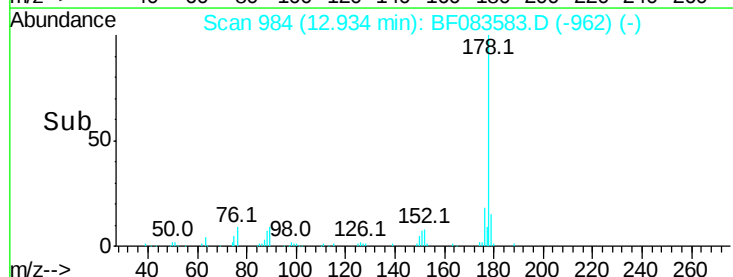
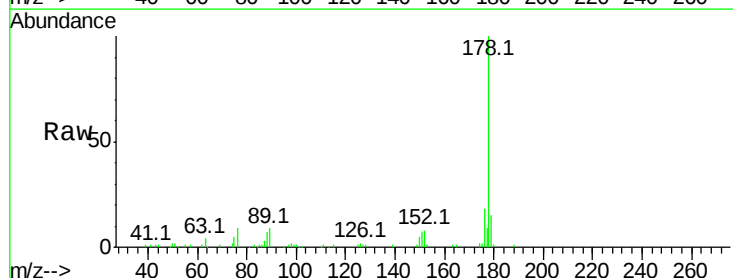
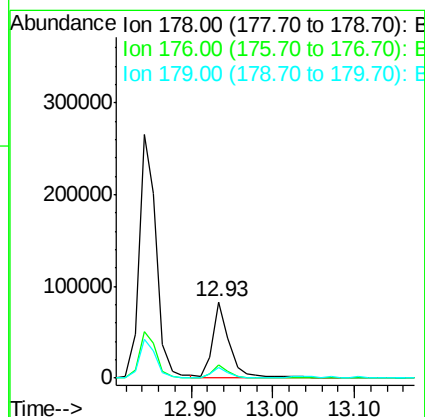
Manual Integrations
APPROVED

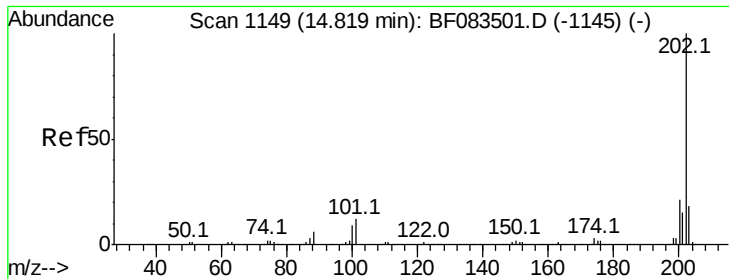
Mmdadoda
12/8/2015 6:15:53 PM



#71
Anthracene
Concen: 5.26 ng
RT: 12.93 min Scan# 984
Delta R.T. -0.05 min
Lab File: BF083583.D
Acq: 8 Dec 2015 5:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.2	22.8
179	14.7	12.6	18.8





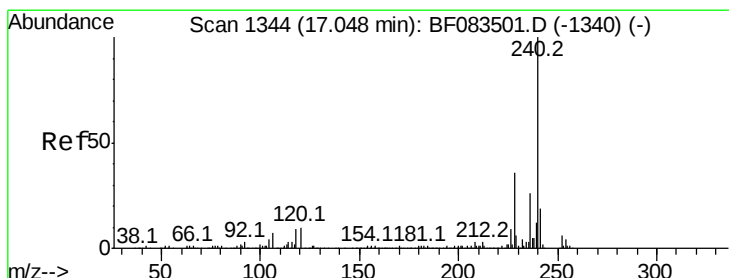
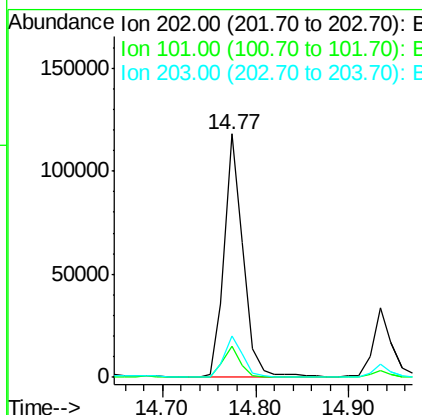
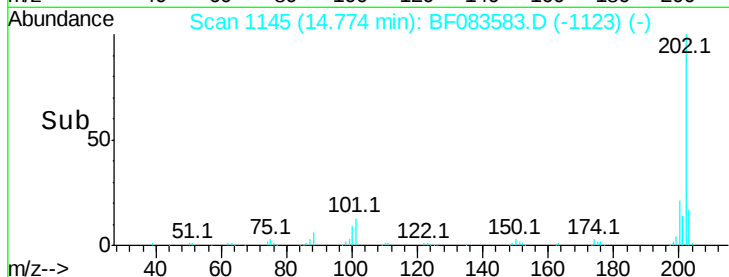
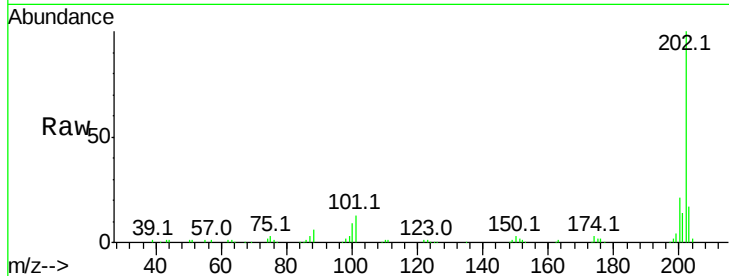
#74
 Fluoranthene
 Concen: 7.49 ng
 RT: 14.77 min Scan# 1145
 Delta R.T. -0.05 min
 Lab File: BF083583.D
 Acq: 8 Dec 2015 5:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(6-11)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	31.5
203	16.9	0.0	37.6

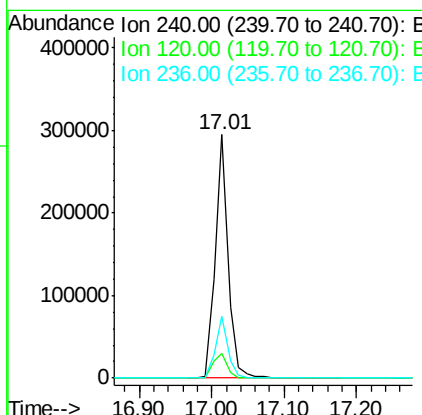
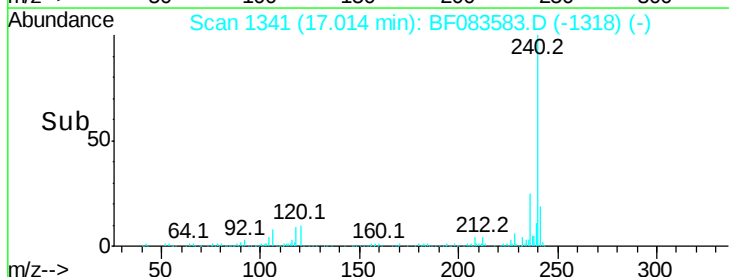
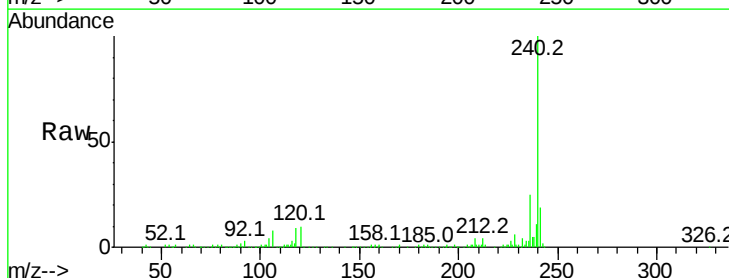
Manual Integrations
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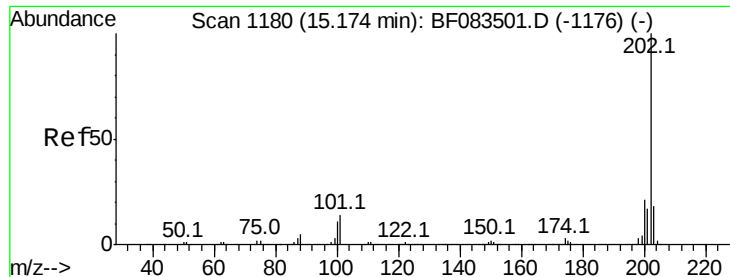
Mmdadoda
 12/8/2015 6:15:53 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.01 min Scan# 1341
 Delta R.T. -0.03 min
 Lab File: BF083583.D
 Acq: 8 Dec 2015 5:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	8.1	12.1
236	25.2	20.8	31.2





#77

Pvrene

Concen: 8.42 ng

RT: 15.13 min Scan# 1176

Delta R.T. -0.05 min

Lab File: BF083583.D

Acq: 8 Dec 2015 5:43

Instrument :

BNA_F

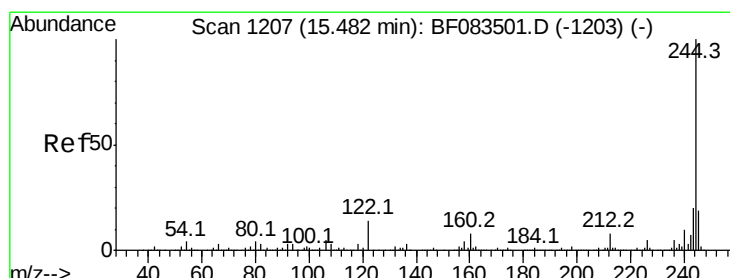
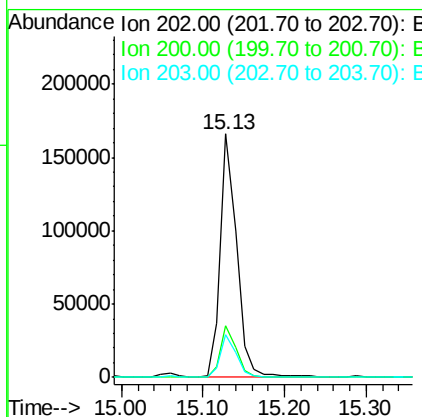
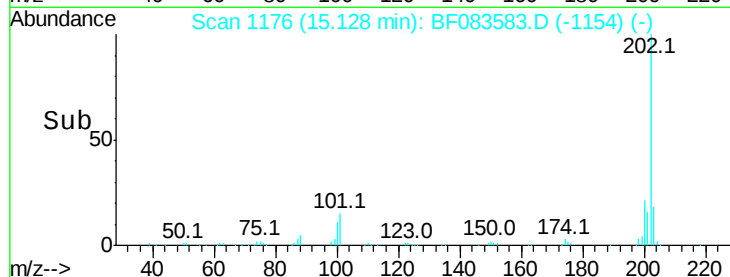
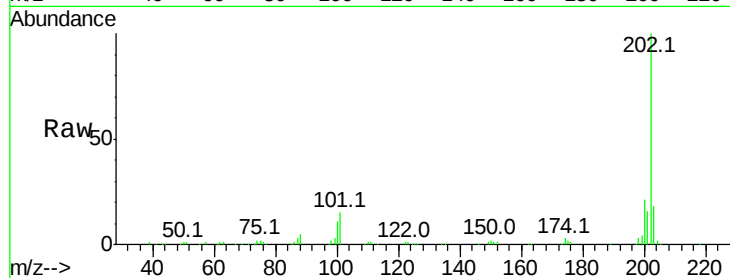
ClientSampleId :

SB-P3WC-10(6-11)DL

Tot Ion:	202	Resp:	229965
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	17.7	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 8.95 ng

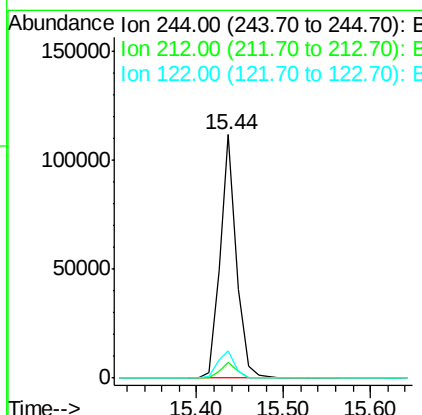
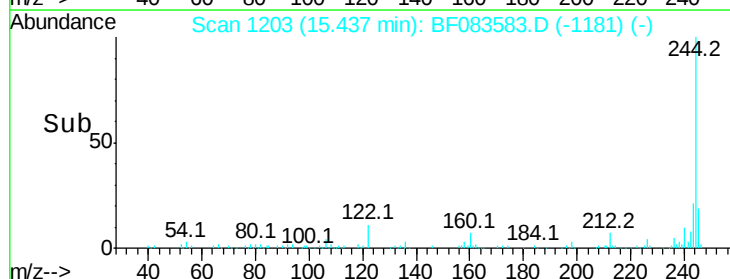
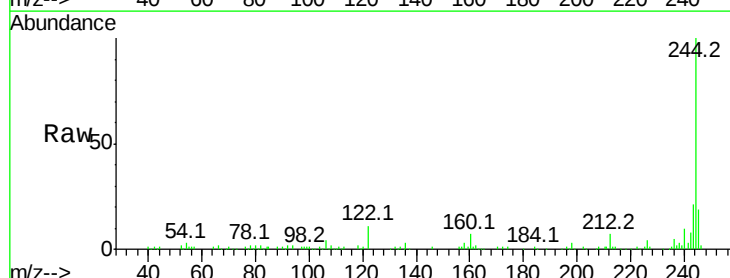
RT: 15.44 min Scan# 1203

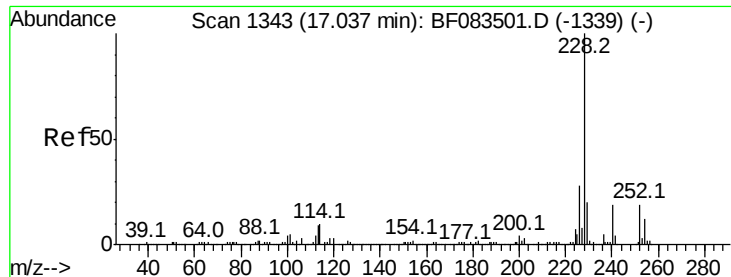
Delta R.T. -0.05 min

Lab File: BF083583.D

Acq: 8 Dec 2015 5:43

Tgt Ion:	244	Resp:	146754
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.1	9.1
122	11.3	11.0	16.6





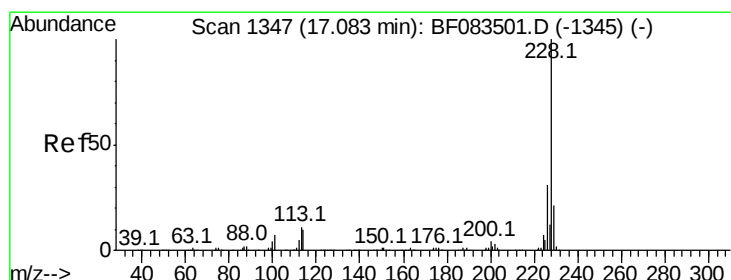
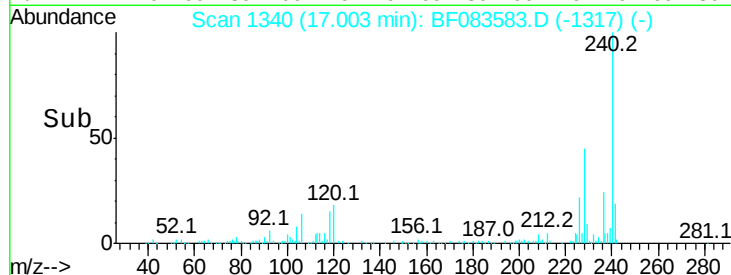
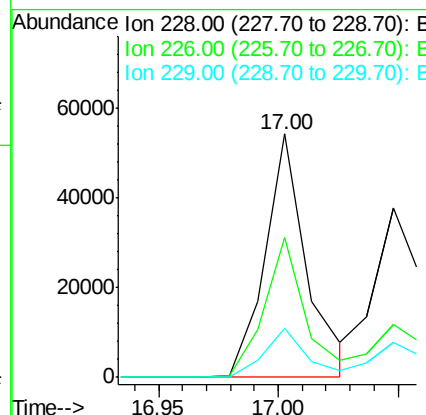
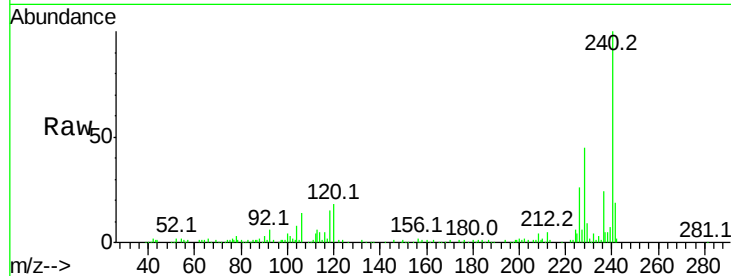
#80
Benzo(a)anthracene
Concen: 3.09 ng m
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083583.D
Acq: 8 Dec 2015 5:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(6-11)DL

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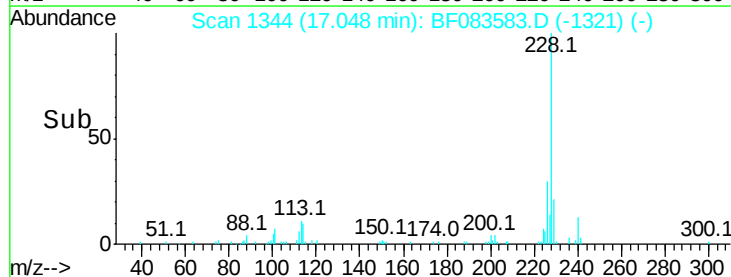
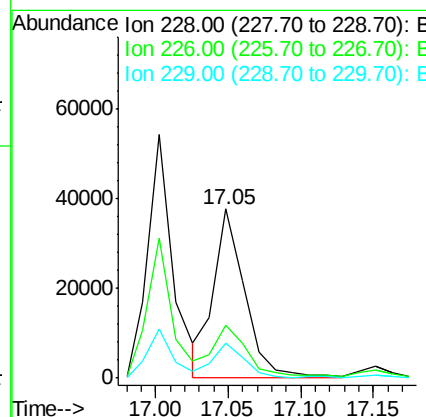
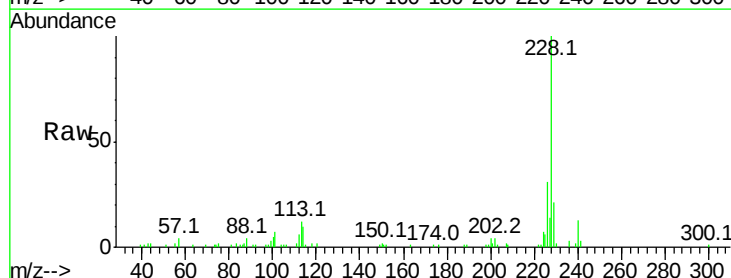
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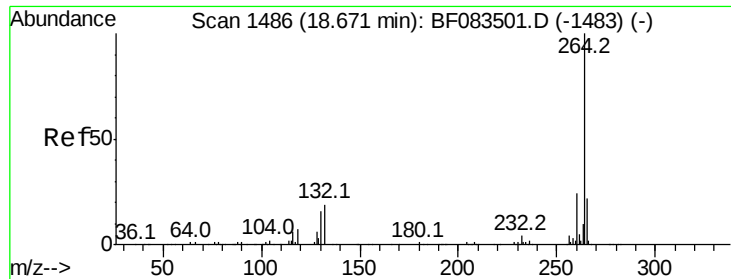
Tot Ion	Ratio	Lower	Upper
228	100		
226	57.6	22.3	33.5#
229	20.0	15.7	23.5



#82
Chrysene
Concen: 2.69 ng
RT: 17.05 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF083583.D
Acq: 8 Dec 2015 5:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	20.9	16.3	24.5





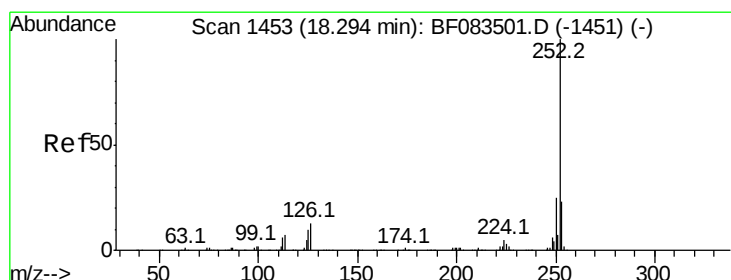
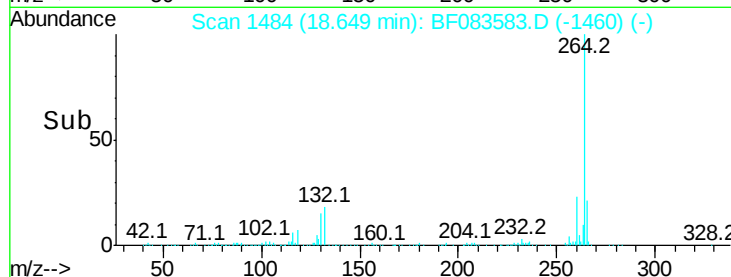
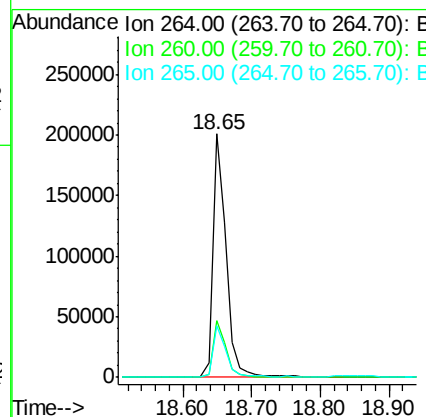
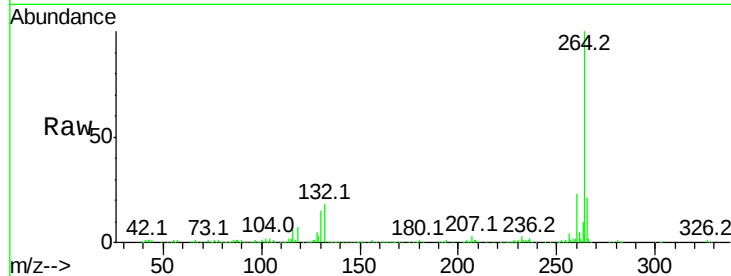
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083583.D
Acq: 8 Dec 2015 5:43

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(6-11)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.3	17.8	26.6

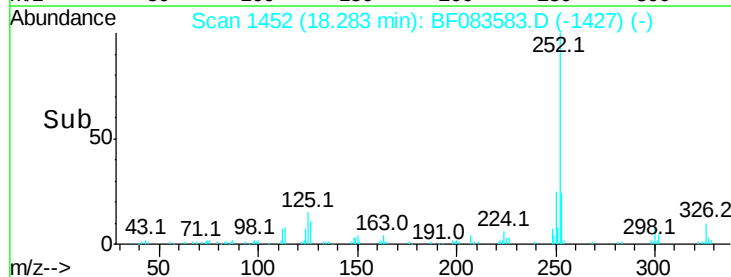
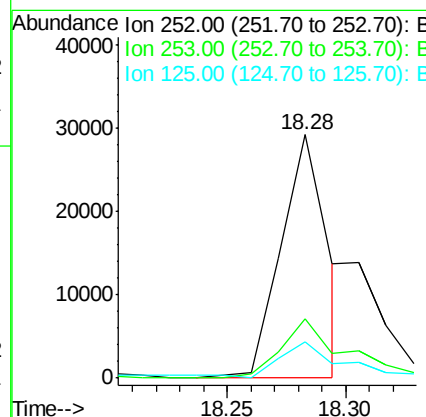
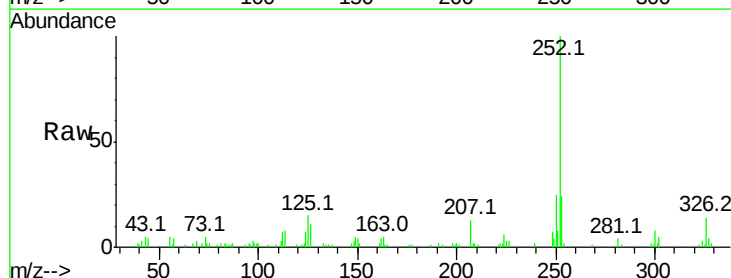
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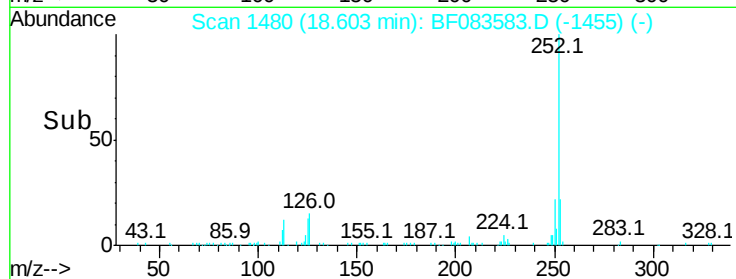
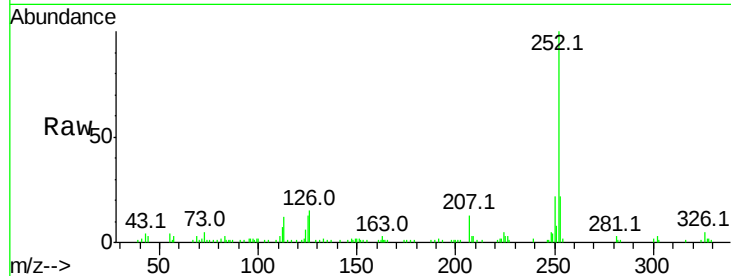
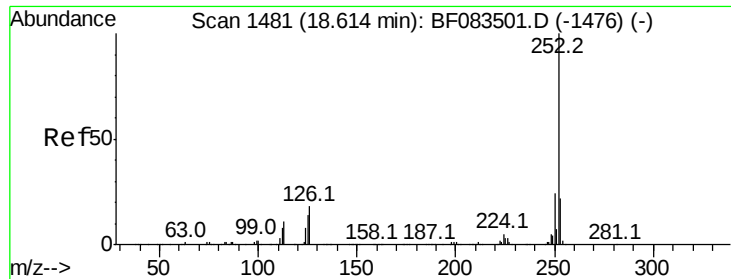
Mmdadoda
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#87
Benzo(b)fluoranthene
Concen: 2.62 ng m
RT: 18.28 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF083583.D
Acq: 8 Dec 2015 5:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	15.0	8.2	12.4#





#89

Benzo(a)pyrene

Concen: 3.19 ng

RT: 18.60 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF083583.D

Acq: 8 Dec 2015 5:43

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-10(6-11)DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.5	26.3
125	12.5	11.0	16.6

Manual Integrations
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12/8/2015 6:15:53 PM

