

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083443.D
 Acq On : 3 Dec 2015 4:51
 Operator : UM/IZ
 Sample : G4583-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-04(0-6)

Manual Integrations
 APPROVED

Mmdadoda
 12/3/2015 7:10:02 PM

Quant Time: Dec 03 07:45:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	145781	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	571210	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	281004	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	462600	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	351197	20.00	ng	-0.03
86) Perylene-d12	16.80	264	333009	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1380292	142.08	ng	0.00
7) Phenol-d6	6.21	99	1914338	143.96	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1348202	103.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	352304	124.89	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1820856	92.34	ng	-0.01
78) Terphenyl-d14	13.21	244	1552307	105.41	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.85	128	80767	2.61	ng	96
49) Dimethylphthalate	9.31	163	186846	8.18	ng	97
51) Acenaphthene	9.61	154	40167	2.28	ng	99
70) Phenanthrene	11.14	178	209640	7.66	ng	98
74) Fluoranthene	12.64	202	310145	10.93	ng	96
77) Pyrene	12.95	202	367458	14.98	ng	98
80) Benzo(a)anthracene	14.72	228	145862	6.78	ng	95
82) Chrysene	14.76	228	125453	6.03	ng	99
85) Indeno(1,2,3-cd)pyrene	18.17	276	66615	4.40	ng	95
87) Benzo(b)fluoranthene	16.28	252	181706m	8.50	ng	
88) Benzo(k)fluoranthene	16.32	252	45151m	2.24	ng	
89) Benzo(a)pyrene	16.72	252	117971	6.43	ng	# 98
91) Benzo(a,h,i)perylene	18.55	276	66155	4.21	ng	# 94

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

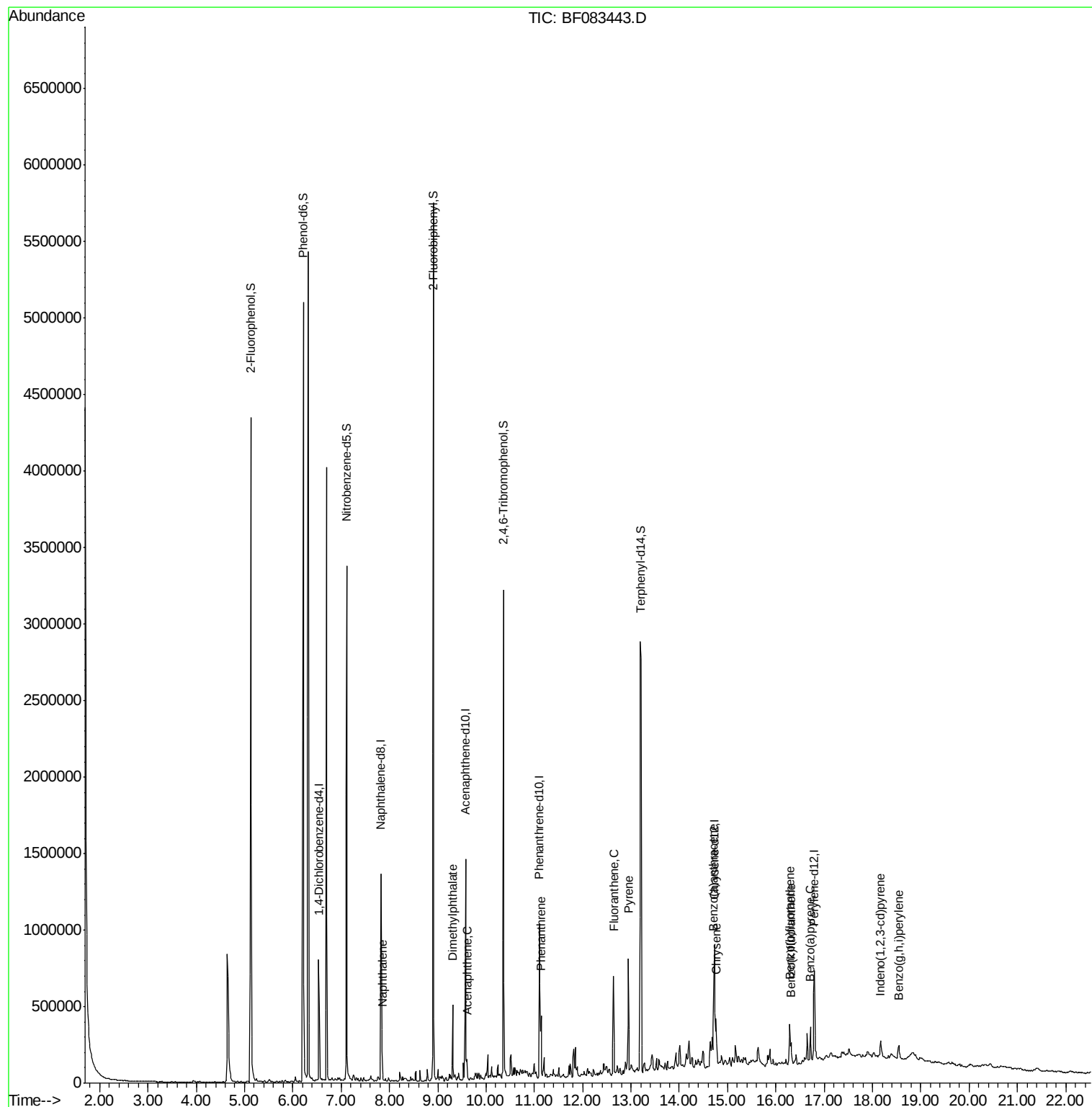
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083443.D
Acq On : 3 Dec 2015 4:51
Operator : UM/IZ
Sample : G4583-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

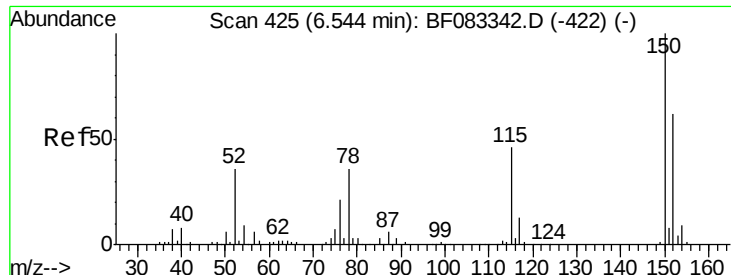
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-04(0-6)

Manual Integrations
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Quant Time: Dec 03 07:45:48 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
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Response via : Initial Calibration





#1

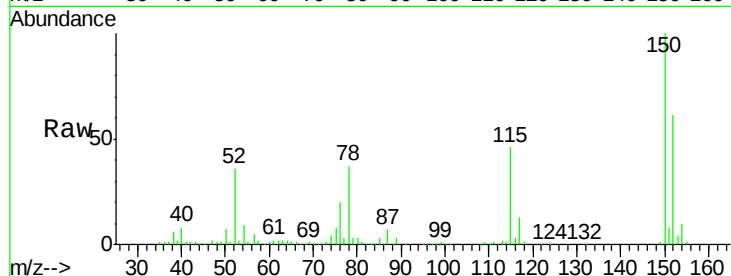
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-04(0-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.6	129.8	194.8
115	74.7	59.2	88.8

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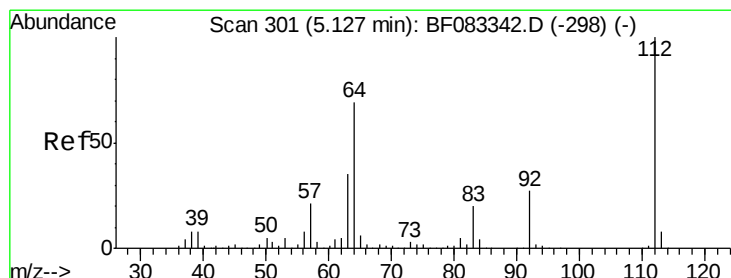
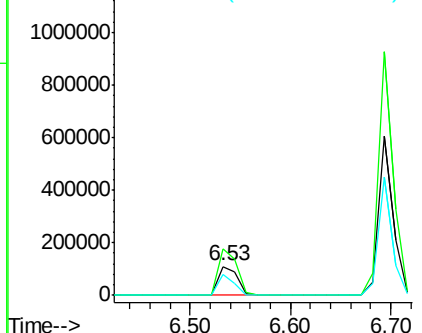
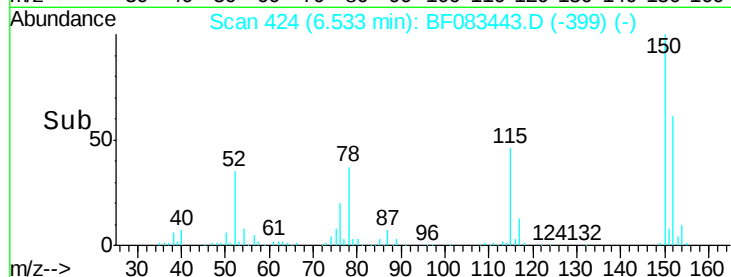


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

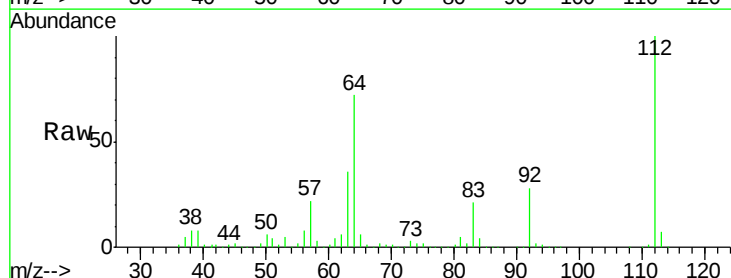
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 142.08 ng
RT: 5.13 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.1	55.6	83.4
63	36.4	28.2	42.2

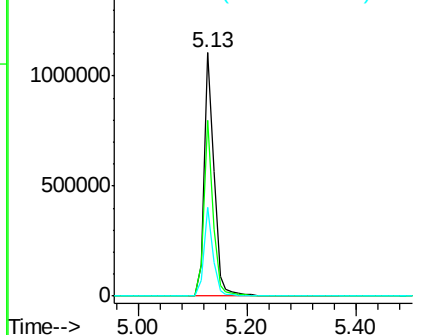
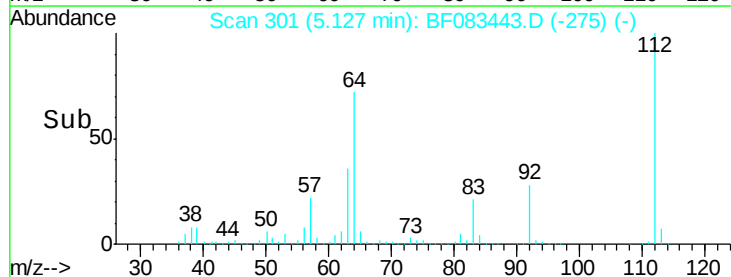


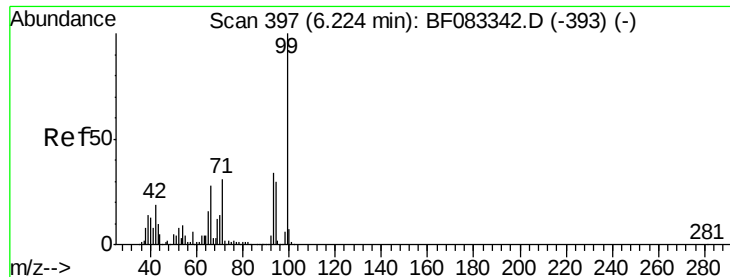
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.96 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083443.D

Acq: 3 Dec 2015 4:51

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-04(0-6)

Tot Ion: 99 Resp: 1914338

Ion Ratio Lower Upper

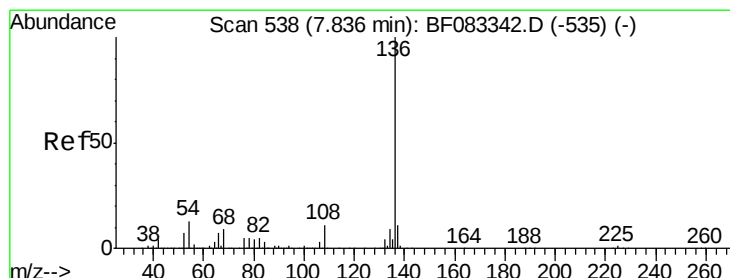
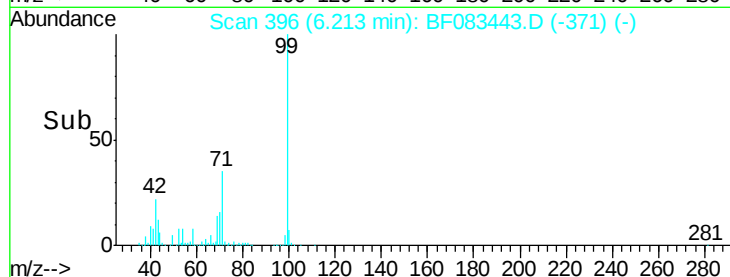
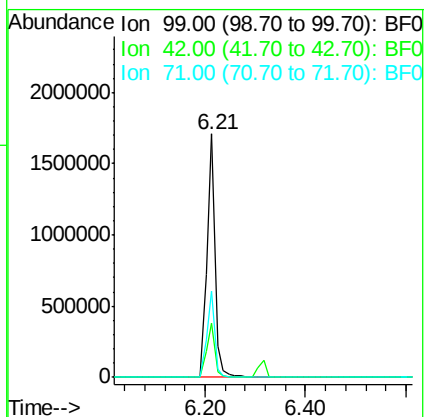
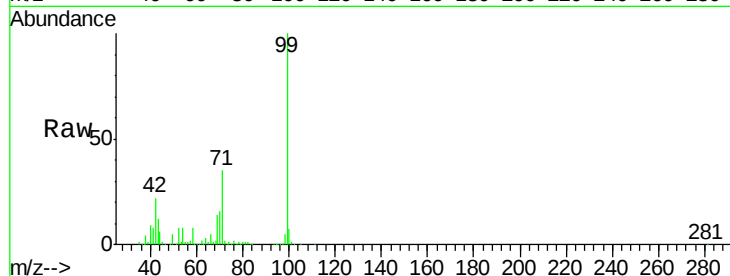
99 100

42 22.1 14.9 22.3

71 35.2 24.7 37.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083443.D

Acq: 3 Dec 2015 4:51

Tgt Ion: 136 Resp: 571210

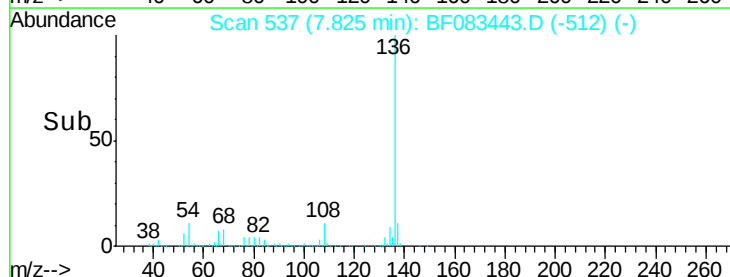
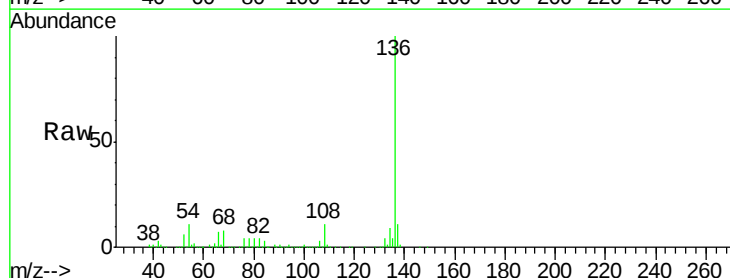
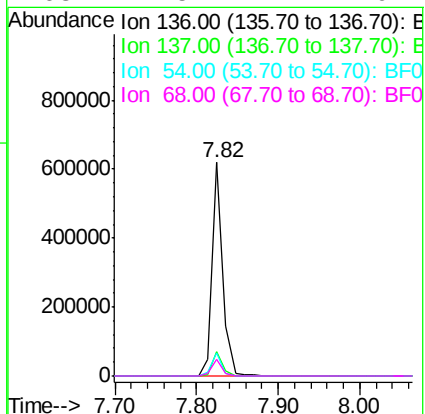
Ion Ratio Lower Upper

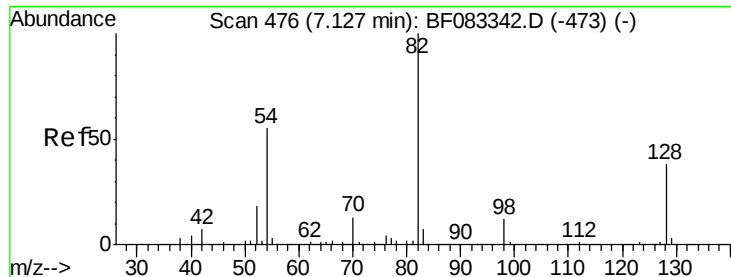
136 100

137 11.3 9.0 13.4

54 11.0 10.1 15.1

68 7.5 7.1 10.7





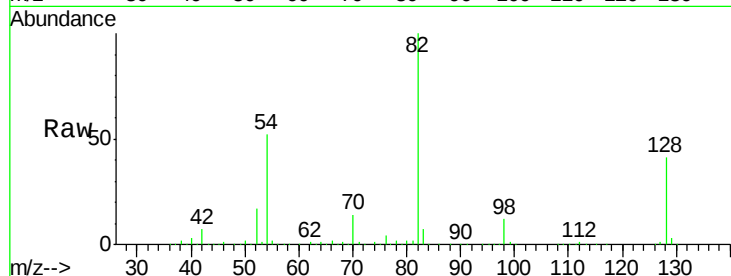
#23
Nitrobenzene-d5
Concen: 103.75 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-04(0-6)

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	30.6	46.0
54	51.9	43.8	65.6

Manual Integrations
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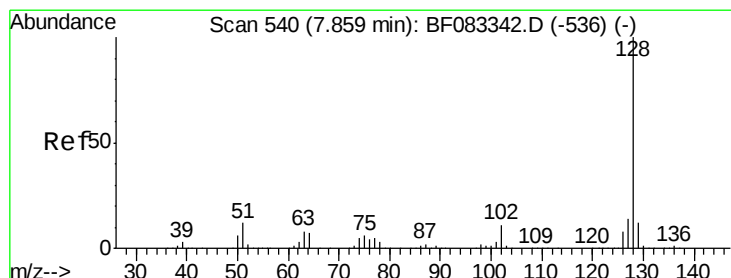
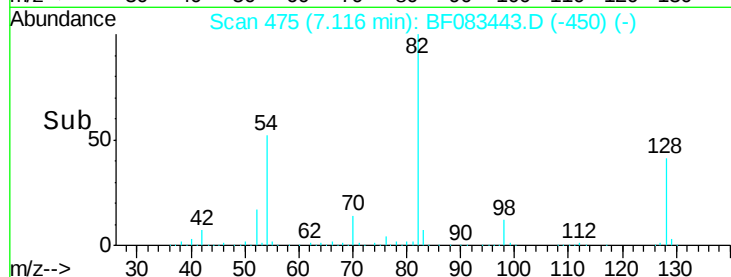
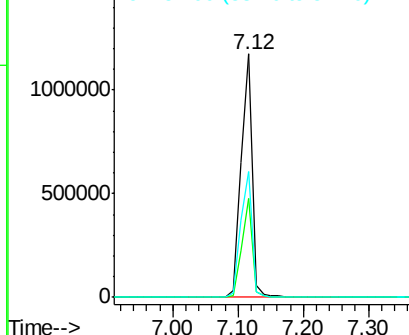


Abundance

Ion 82.00 (81.70 to 82.70): BF0

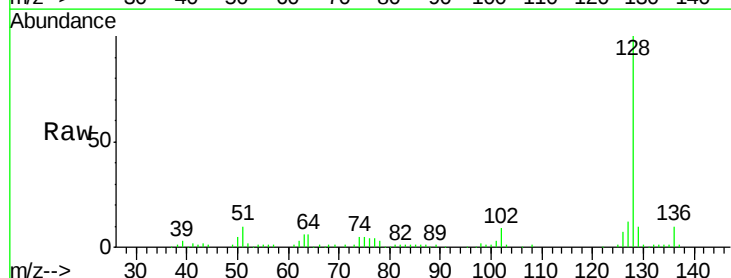
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31
Naphthalene
Concen: 2.61 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.7	14.5
127	12.2	11.0	16.4

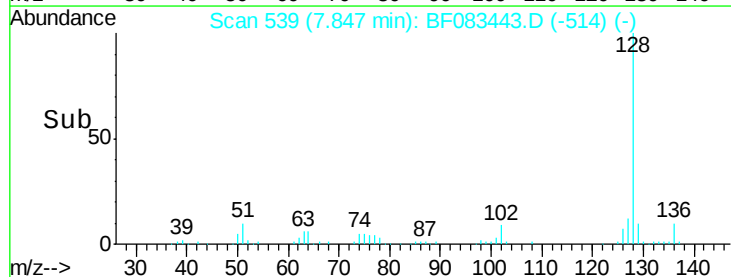
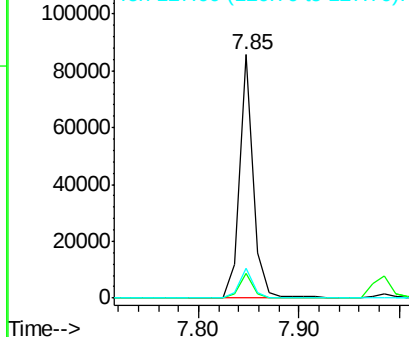


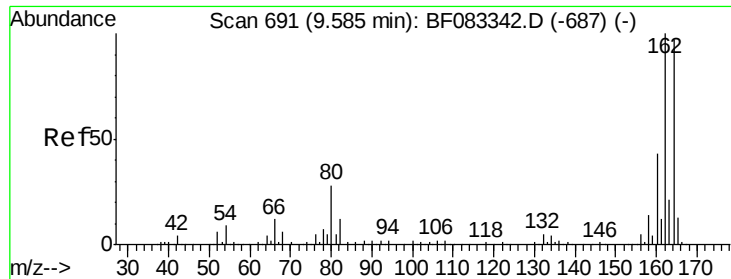
Abundance

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





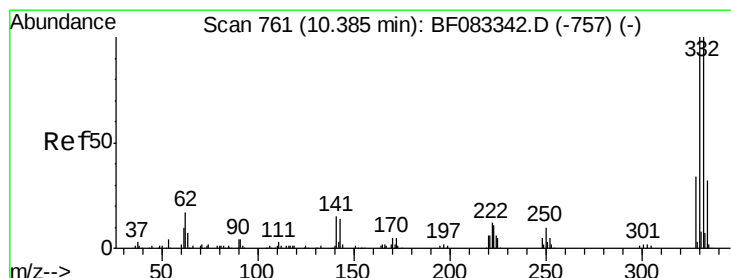
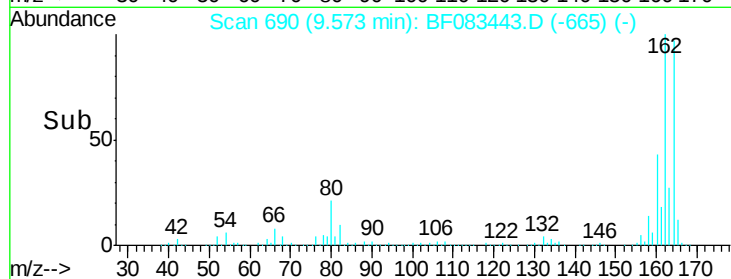
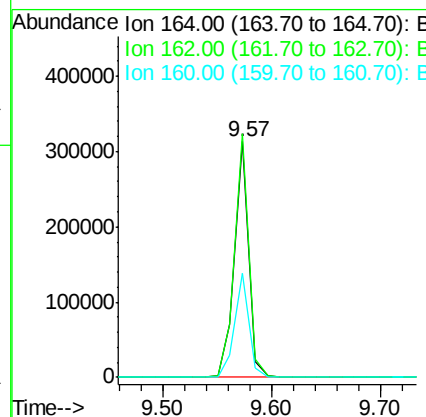
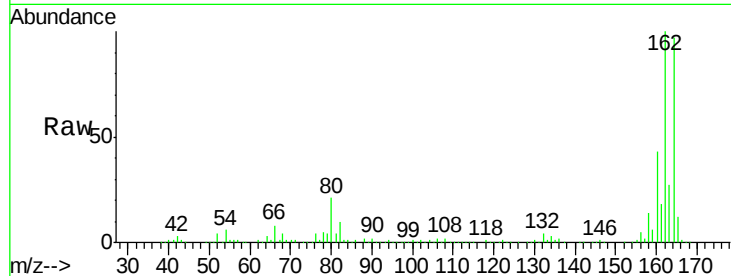
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-04(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	82.6	123.8	
160	44.0	35.3	52.9	

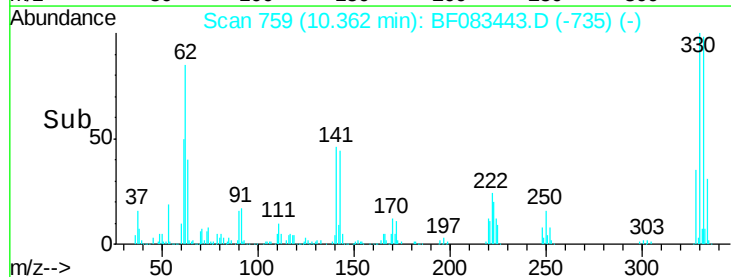
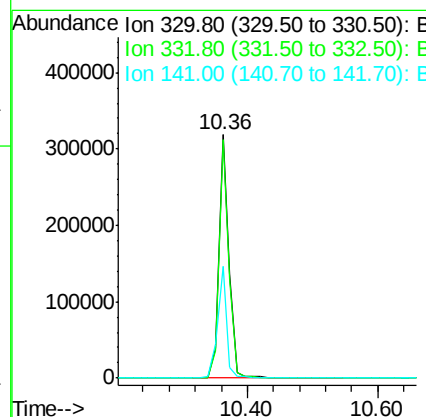
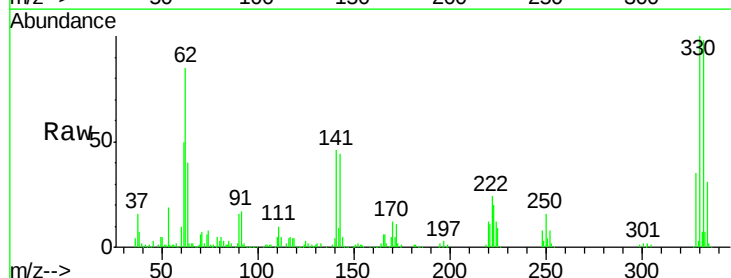
Manual Integrations
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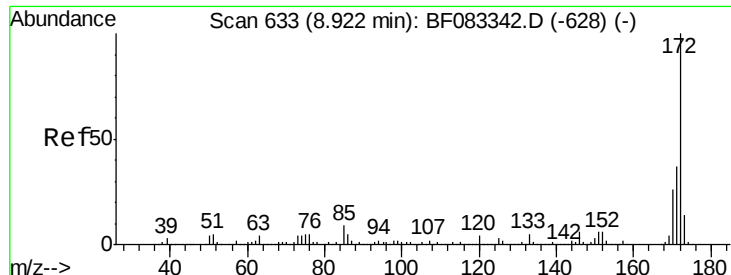
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#41
2,4,6-Tribromophenol
Concen: 124.89 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.8	116.6	
141	40.8	29.4	44.0	





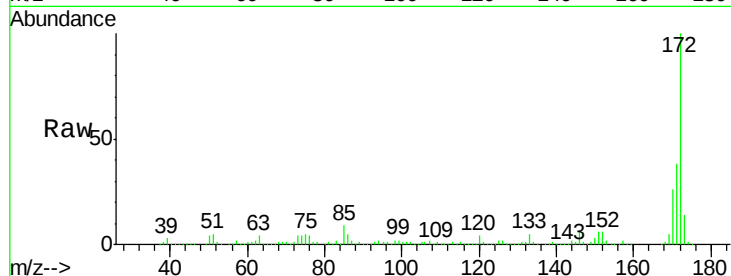
#44
2-Fluorobiphenyl
Concen: 92.34 ng
RT: 8.91 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-04(0-6)

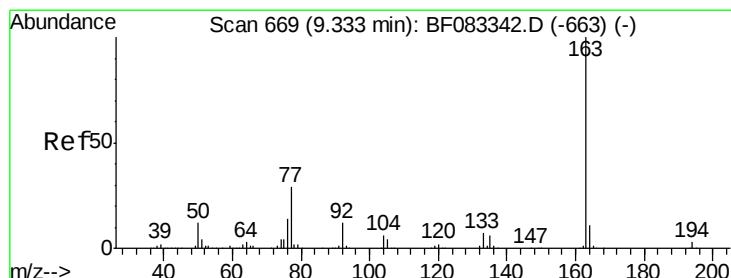
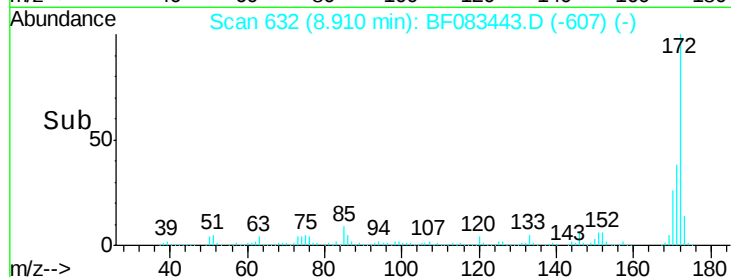
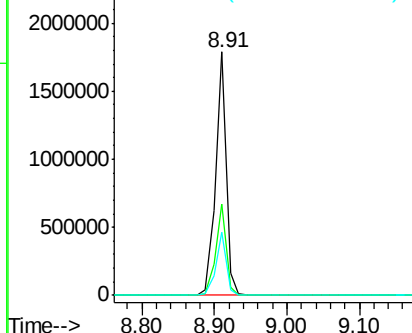
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.4	44.0
170	25.7	20.4	30.6

Manual Integrations
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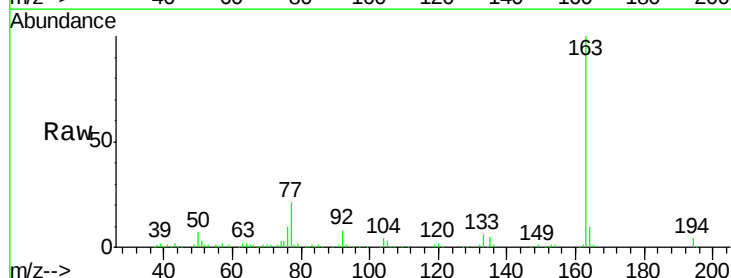


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

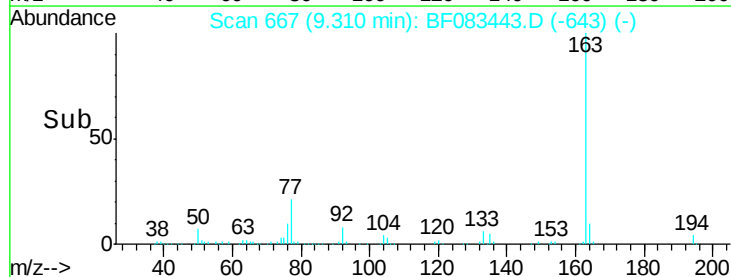
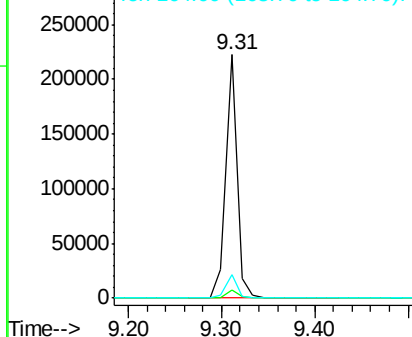


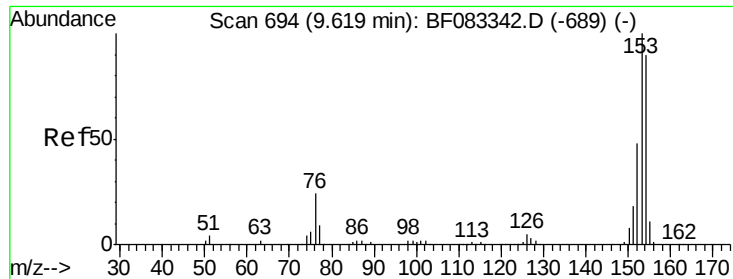
#49
Dimethylphthalate
Concen: 8.18 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.5	8.8	13.2



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





#51

Acenaphthene

Concen: 2.28 ng

RT: 9.61 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF083443.D

Acq: 3 Dec 2015 4:51

Instrument :

BNA_F

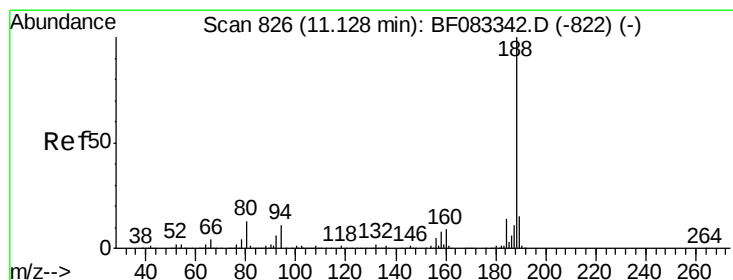
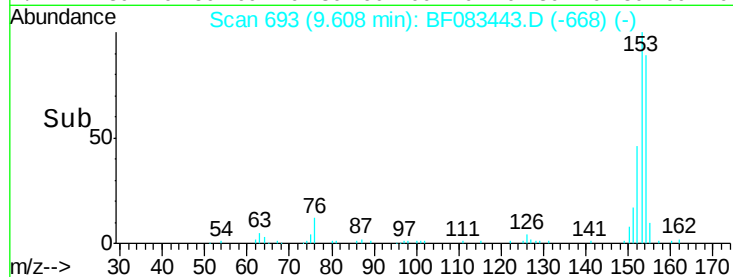
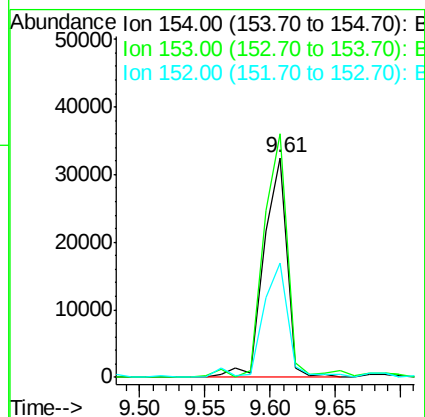
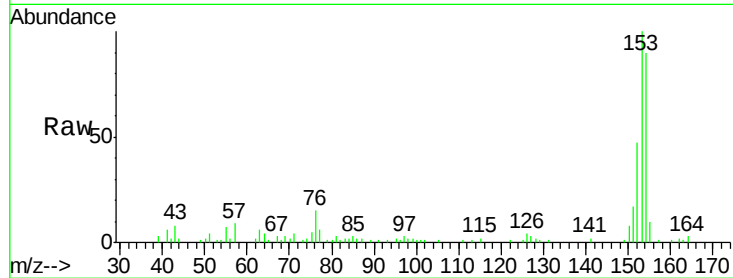
ClientSampleId :

SB-P3WC-04(0-6)

Tot Ion:	154	Resp:	40167
Ion Ratio	Lower	Upper	
154	100		
153	111.0	89.3	133.9
152	52.4	42.5	63.7

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

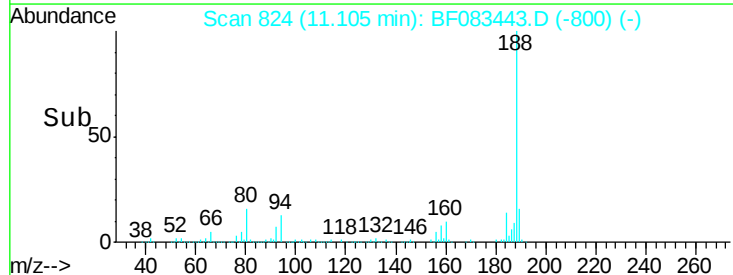
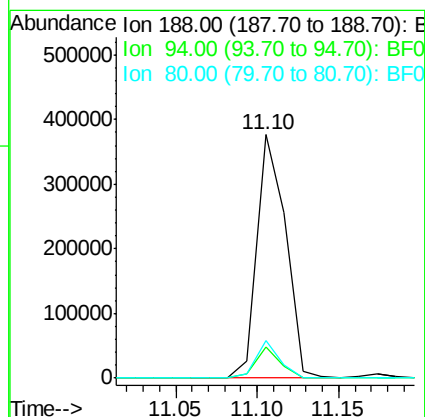
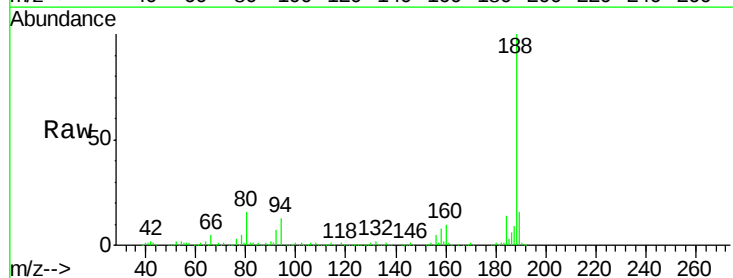
RT: 11.10 min Scan# 824

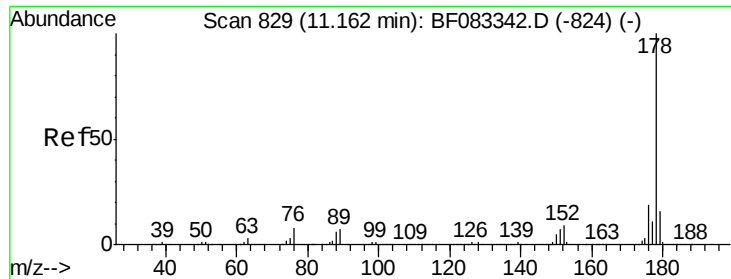
Delta R.T. -0.02 min

Lab File: BF083443.D

Acq: 3 Dec 2015 4:51

Tgt Ion:	188	Resp:	462600
Ion Ratio	Lower	Upper	
188	100		
94	12.9	8.7	13.1
80	15.5	10.3	15.5#





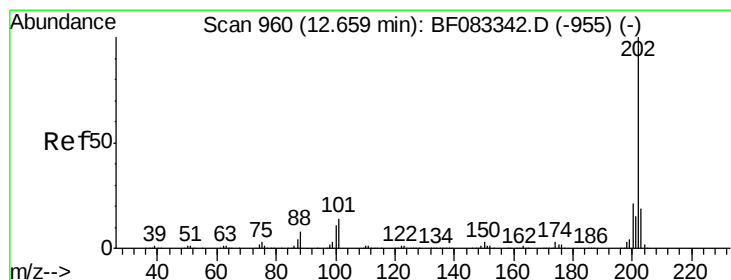
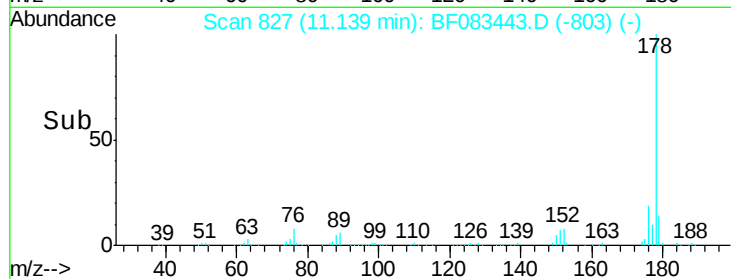
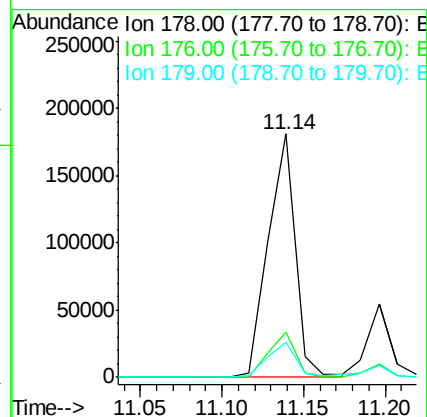
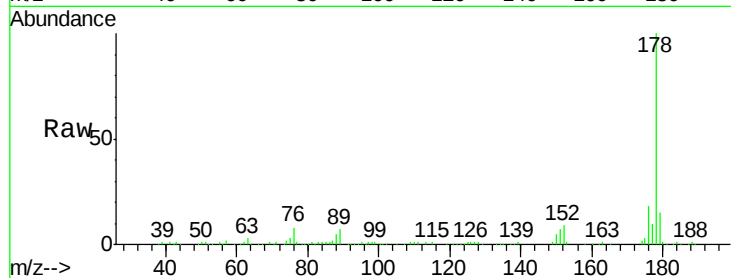
#70
Phenanthrene
Concen: 7.66 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-04(0-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	14.5	12.4	18.6

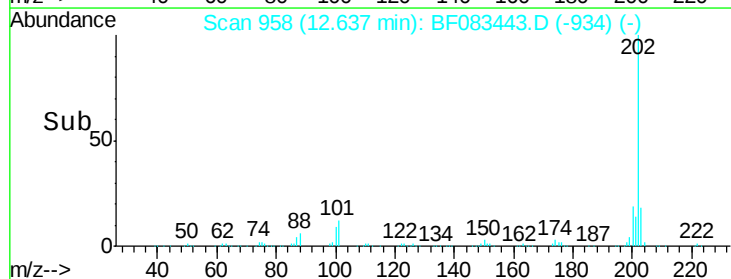
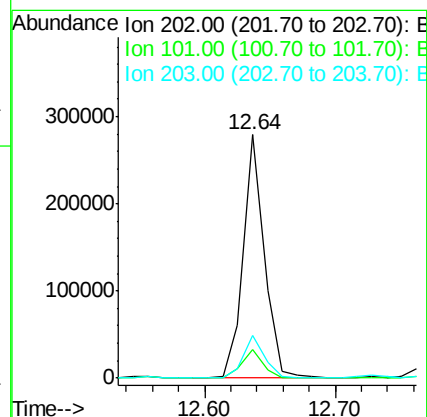
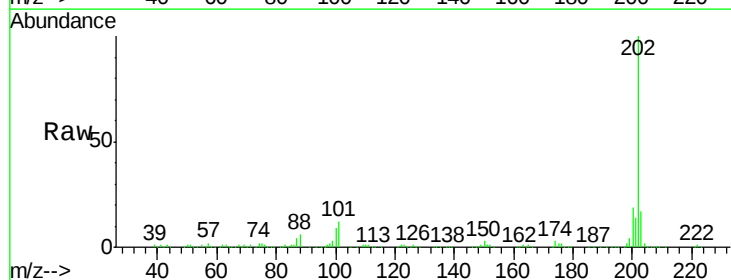
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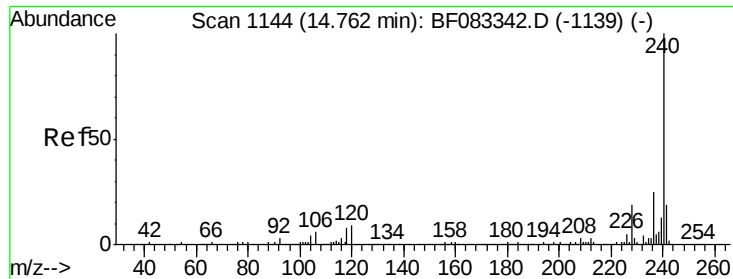
Mmdadoda
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#74
Fluoranthene
Concen: 10.93 ng
RT: 12.64 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.5
203	17.5	0.0	38.7





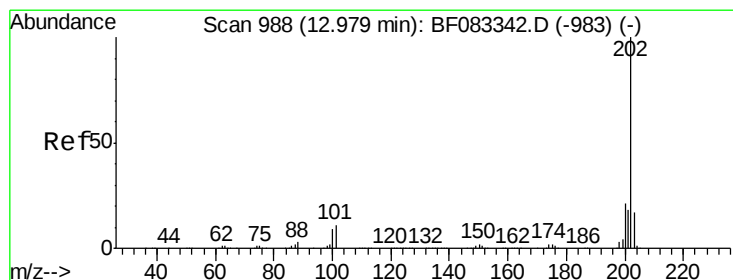
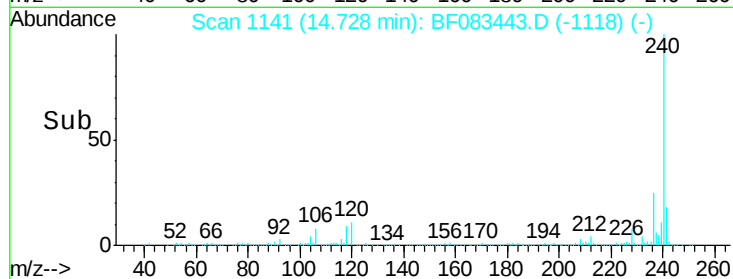
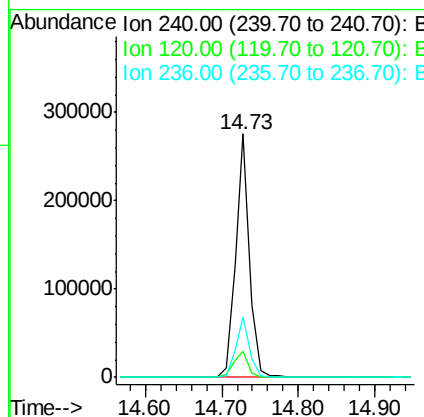
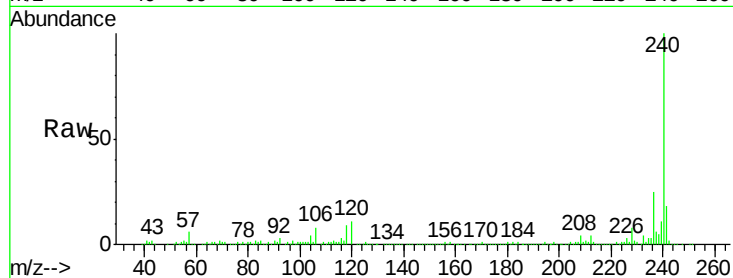
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.73 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-04(0-6)

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	6.9	10.3#
236	24.7	19.8	29.6

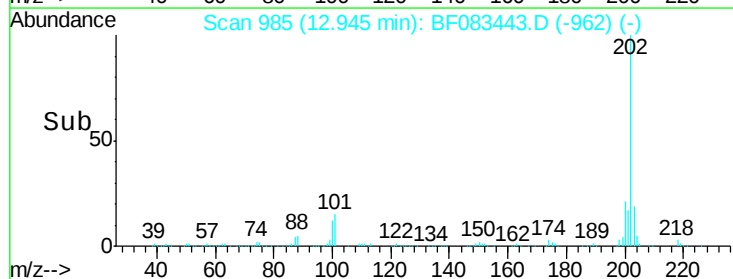
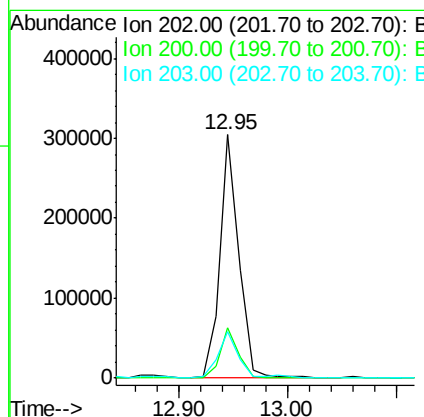
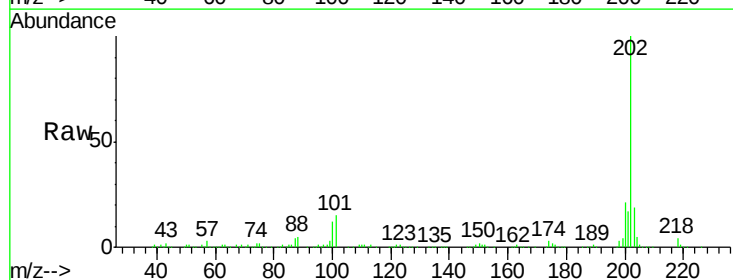
Manual Integrations
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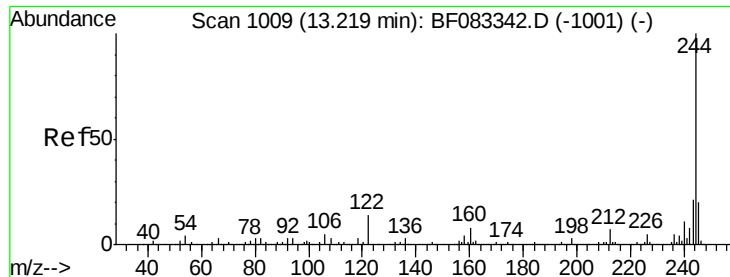
Mmdadoda
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#77
Pyrene
Concen: 14.98 ng
RT: 12.95 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF083443.D
Acq: 3 Dec 2015 4:51

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.9	25.3
203	19.1	13.9	20.9





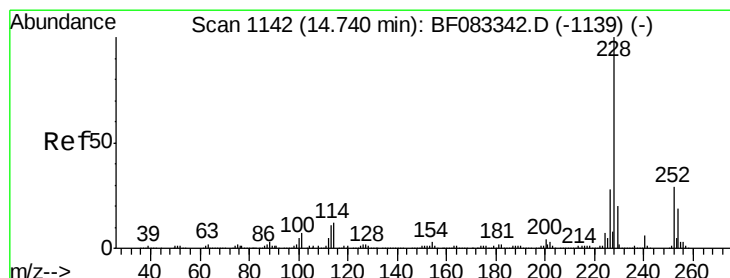
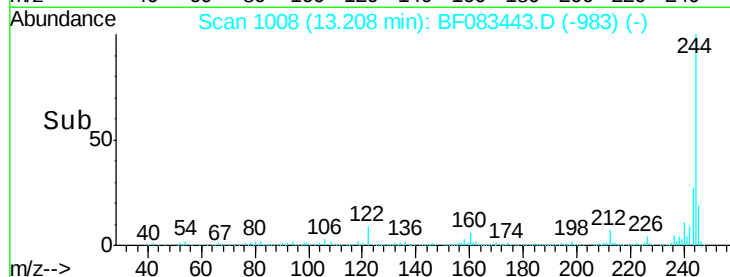
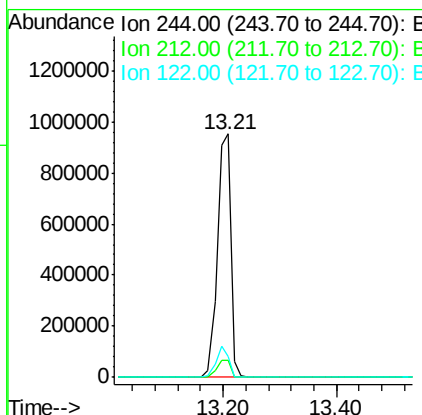
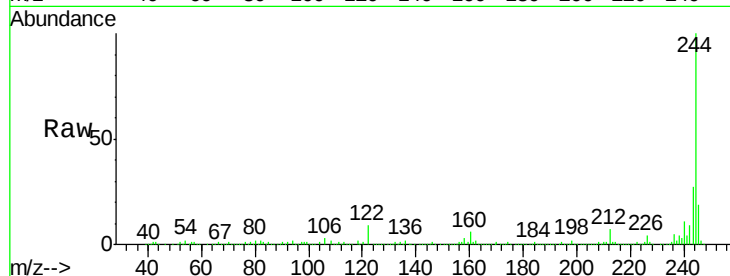
#78
 Terphenyl-d14
 Concen: 105.41 ng
 RT: 13.21 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BF083443.D
 Acq: 3 Dec 2015 4:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-04(0-6)

Tot Ion:244 Resp: 1552307
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 8.8 11.0 16.4#

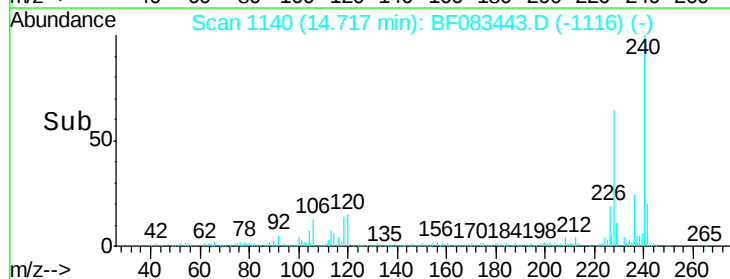
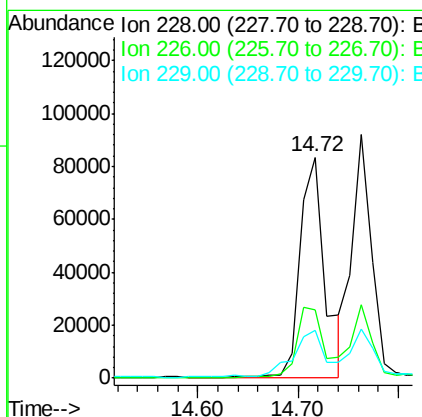
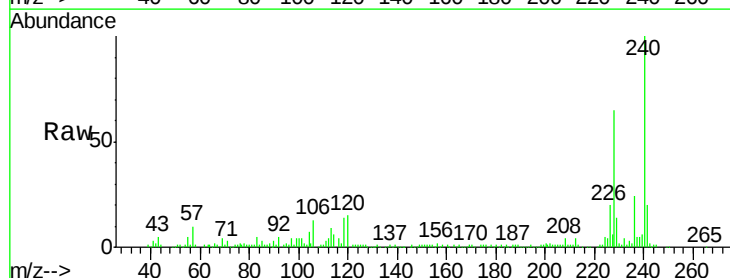
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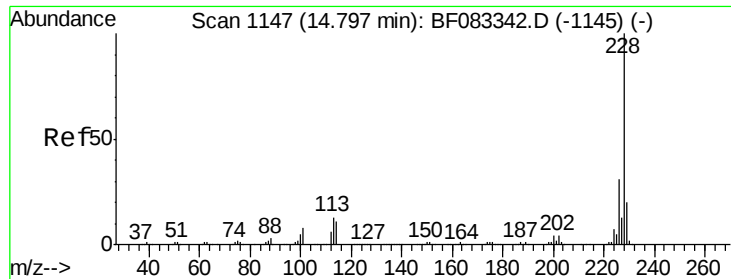
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#80
 Benzo(a)anthracene
 Concen: 6.78 ng
 RT: 14.72 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BF083443.D
 Acq: 3 Dec 2015 4:51

Tgt Ion:228 Resp: 145862
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.2 33.4
 229 21.9 16.1 24.1





#82

Chrysene

Concen: 6.03 ng

RT: 14.76 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF083443.D

Acq: 3 Dec 2015 4:51

Instrument :

BNA_F

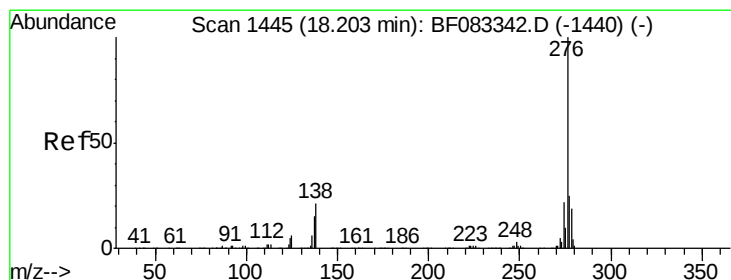
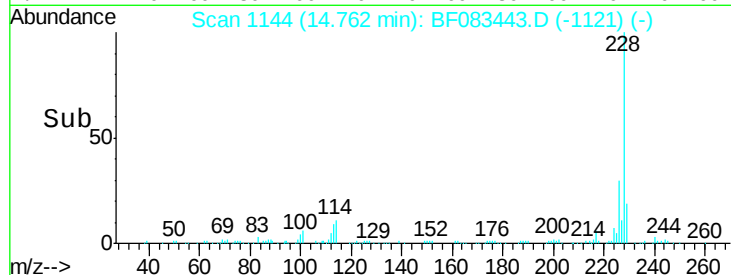
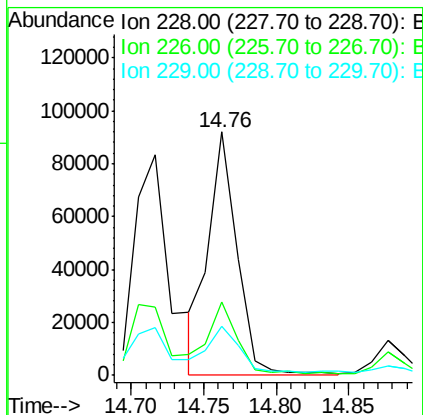
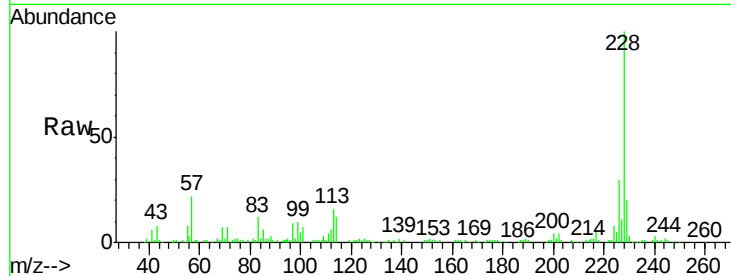
ClientSampleId :

SB-P3WC-04(0-6)

Tot Ion:	228	Resp:	125453
Ion Ratio		Lower	Upper
228	100		
226	30.0	24.6	37.0
229	20.4	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.40 ng

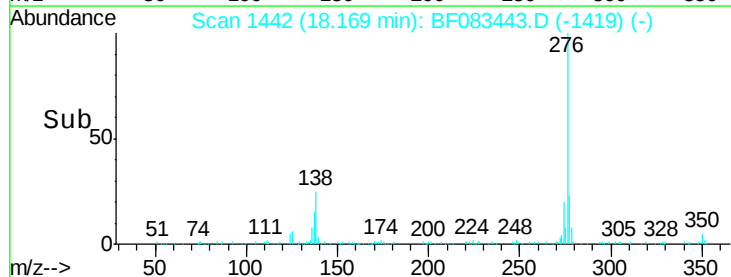
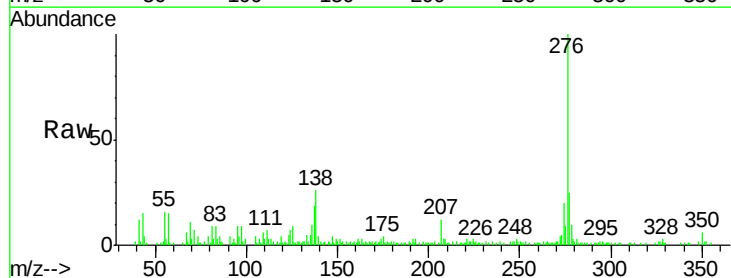
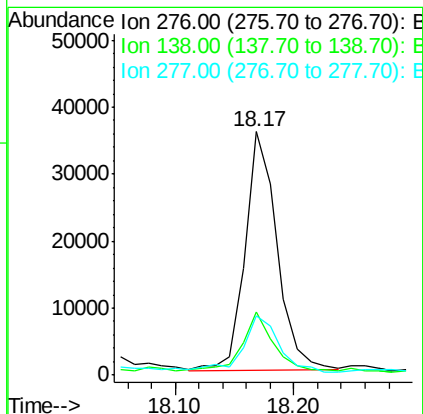
RT: 18.17 min Scan# 1442

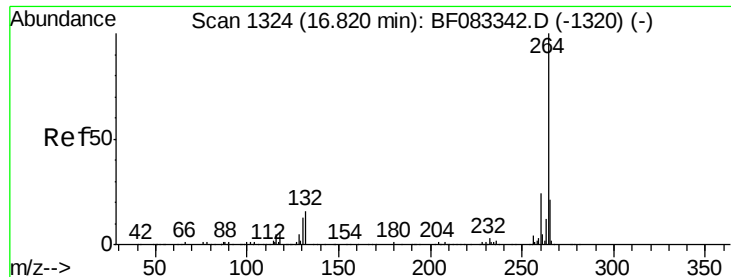
Delta R.T. -0.03 min

Lab File: BF083443.D

Acq: 3 Dec 2015 4:51

Tgt Ion:	276	Resp:	66615
Ion Ratio		Lower	Upper
276	100		
138	23.9	21.2	31.8
277	27.0	20.0	30.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.80 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF083443.D

Acq: 3 Dec 2015 4:51

Instrument :

BNA_F

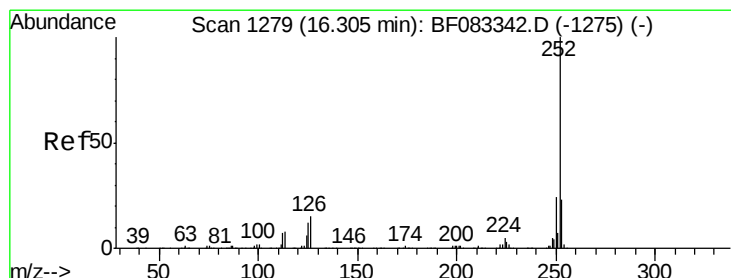
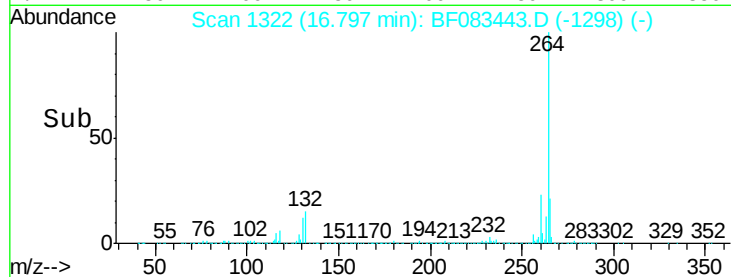
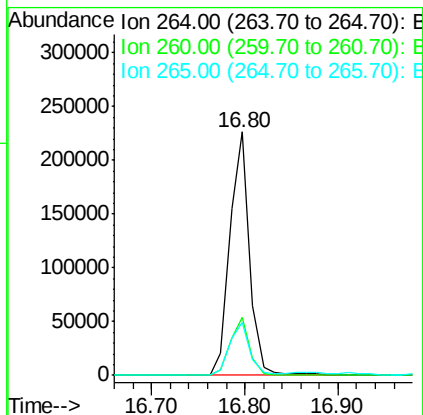
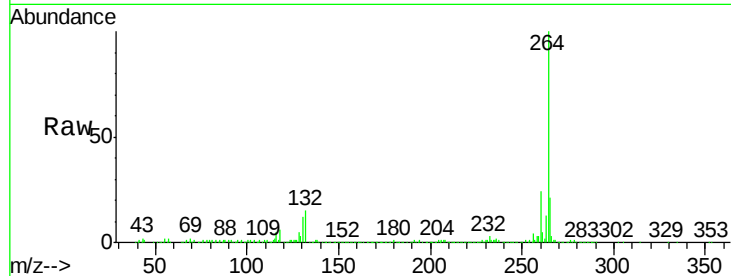
ClientSampleId :

SB-P3WC-04(0-6)

Tot Ion:	264	Resp:	333009
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.0	28.4
265	21.5	16.8	25.2

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#87

Benzo(b)fluoranthene

Concen: 8.50 ng m

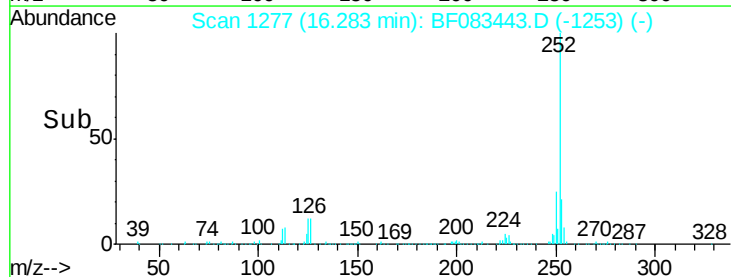
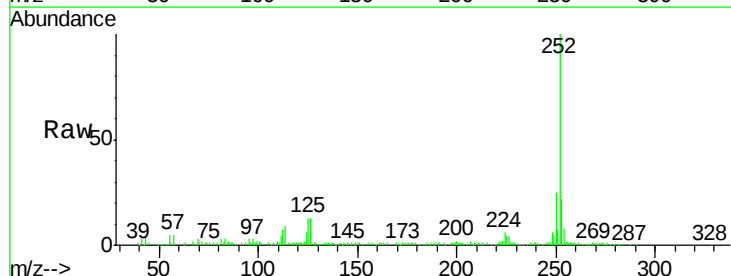
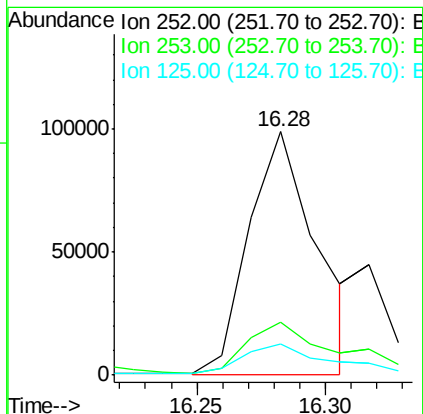
RT: 16.28 min Scan# 1277

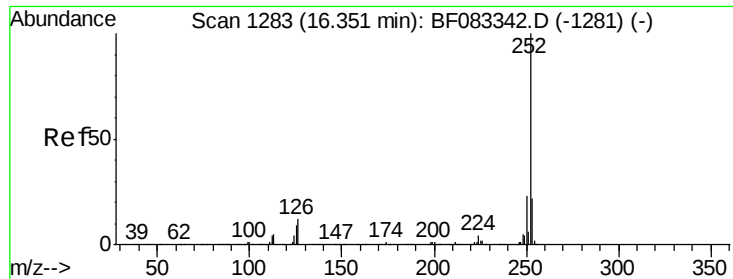
Delta R.T. -0.02 min

Lab File: BF083443.D

Acq: 3 Dec 2015 4:51

Tgt Ion:	252	Resp:	181706
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.4	27.6
125	12.6	9.6	14.4





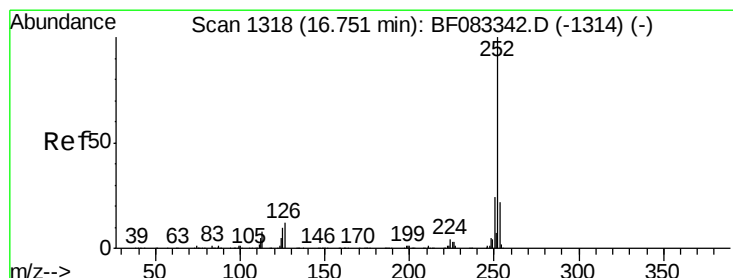
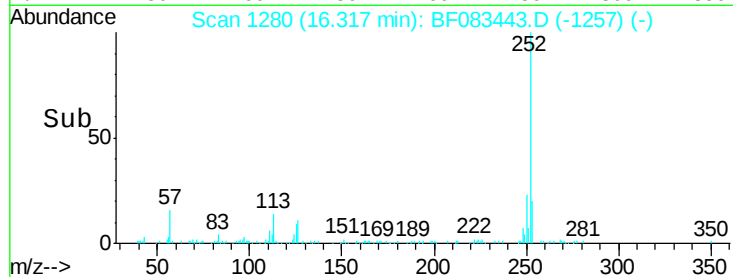
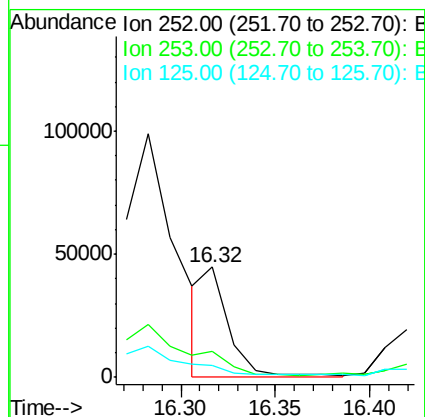
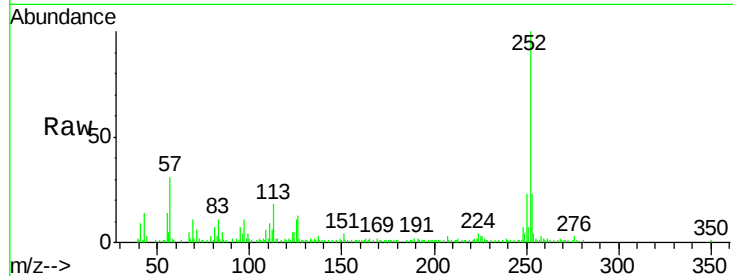
#88
 Benzo(k)fluoranthene
 Concen: 2.24 ng m
 RT: 16.32 min Scan# 1280
 Delta R.T. -0.03 min
 Lab File: BF083443.D
 Acq: 3 Dec 2015 4:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-04(0-6)

Tot Ion:	252	Resp:	45151
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.0
125	10.9	7.5	11.3

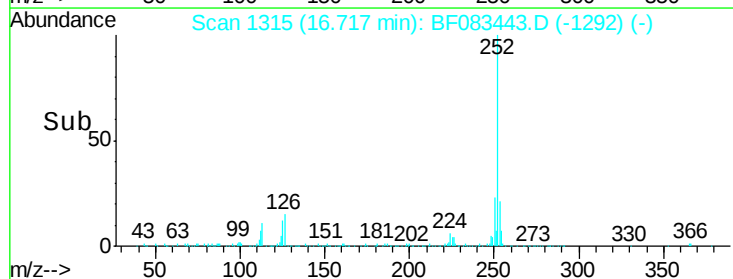
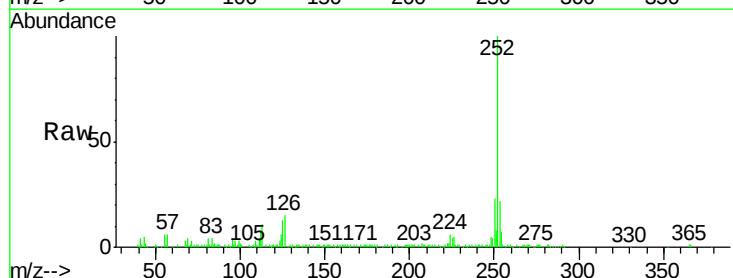
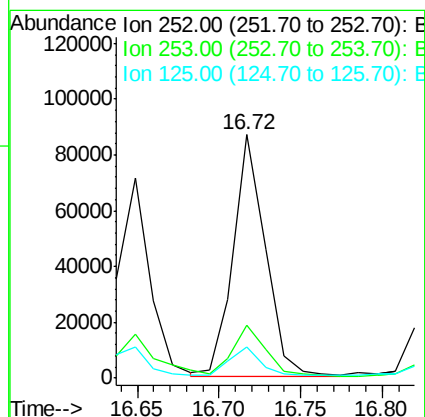
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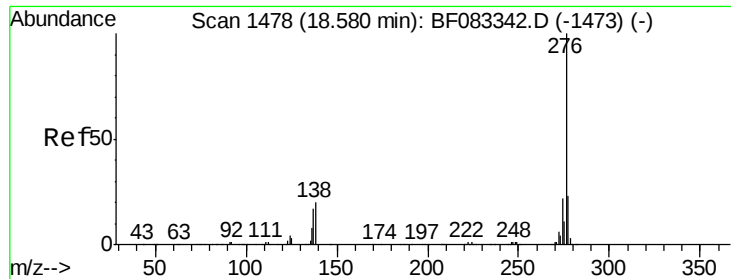
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#89
 Benzo(a)pyrene
 Concen: 6.43 ng
 RT: 16.72 min Scan# 1315
 Delta R.T. -0.03 min
 Lab File: BF083443.D
 Acq: 3 Dec 2015 4:51

Tgt Ion:	252	Resp:	117971
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.5	26.3
125	12.6	7.8	11.8#





#91
 Benzo(a,h,i)perylene
 Concen: 4.21 ng
 RT: 18.55 min Scan# 1475
 Delta R.T. -0.03 min
 Lab File: BF083443.D
 Acq: 3 Dec 2015 4:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-04(0-6)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	24.3	16.1	24.1#

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 12/3/2015 7:10:02 PM

