

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083422.D
 Acq On : 2 Dec 2015 17:14
 Operator : UM/IZ
 Sample : G4584-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(8-15)

Manual Integrations
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 12/3/2015 7:09:38 PM

Quant Time: Dec 03 03:53:59 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	6.54	152	146560m	20.00	ng	0.00
21) Naphthalene-d8	7.82	136	586830	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	299142	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	516513	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	431028	20.00	ng	-0.03
86) Perylene-d12	16.79	264	318582	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1532768	156.93	ng	0.01
7) Phenol-d6	6.21	99	1848797	138.29	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1347764	100.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	366557	122.07	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1801633	85.83	ng	-0.01
78) Terphenyl-d14	13.21	244	1695097	93.79	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.86	128	3380107	106.16	ng	99
37) 2-Methylnaphthalene	8.54	142	135500	6.37	ng	99
45) 1,1'-Biphenyl	9.00	154	52895	2.02	ng	96
49) Dimethylphthalate	9.31	163	456353	18.77	ng	100
51) Acenaphthene	9.61	154	149542	7.97	ng	98
57) Fluorene	10.12	166	79247m	3.65	ng	
70) Phenanthrene	11.14	178	538750	17.63	ng	99
71) Anthracene	11.20	178	131796	4.28	ng	98
74) Fluoranthene	12.64	202	241858	7.63	ng	95
77) Pyrene	12.95	202	327928	10.89	ng	99
80) Benzo(a)anthracene	14.72	228	83914m	3.18	ng	
82) Chrysene	14.76	228	72451	2.84	ng	97
87) Benzo(b)fluoranthene	16.28	252	51709m	2.53	ng	
89) Benzo(a)pyrene	16.72	252	56345	3.21	ng	97
91) Benzo(a,h,i)perylene	18.55	276	32419	2.16	ng	95

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

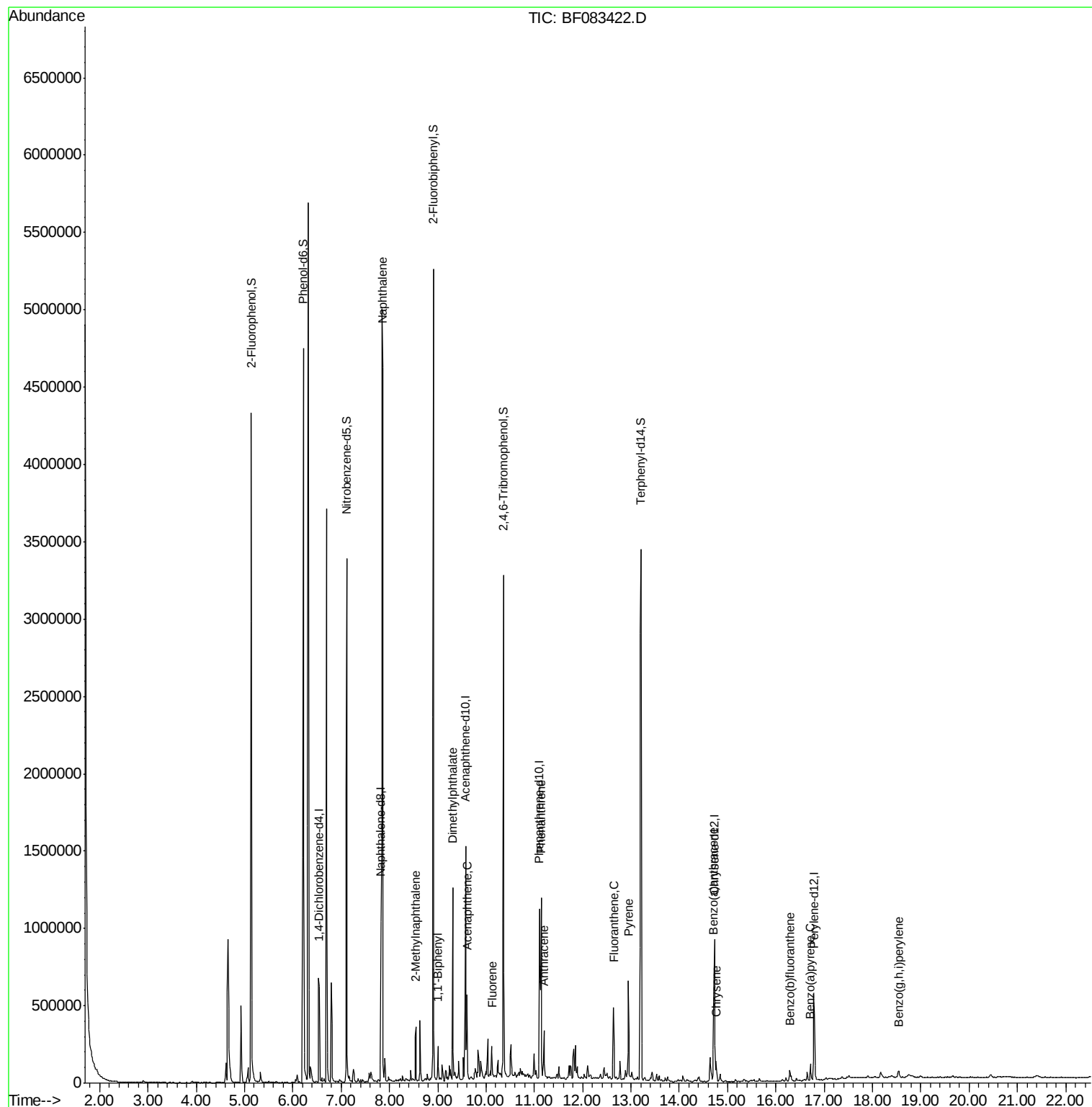
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
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SB-P3WC-15(8-15)

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#1

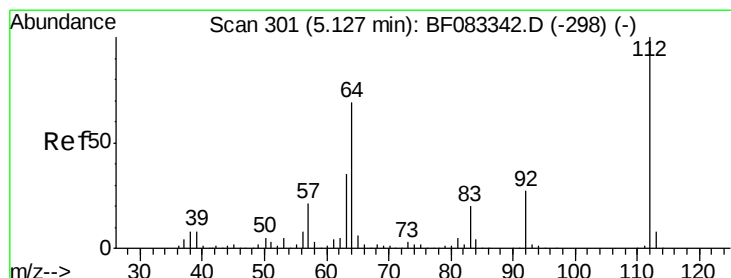
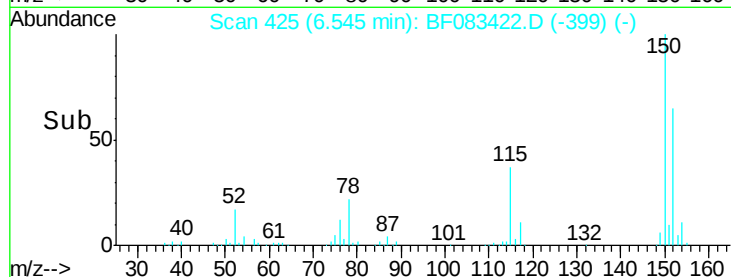
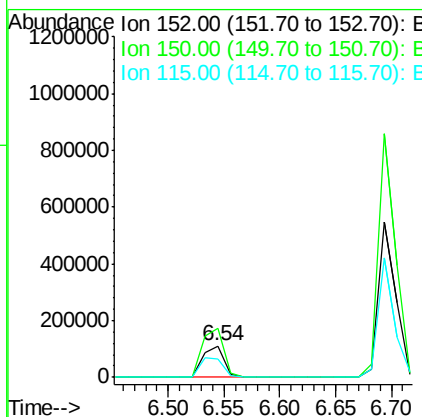
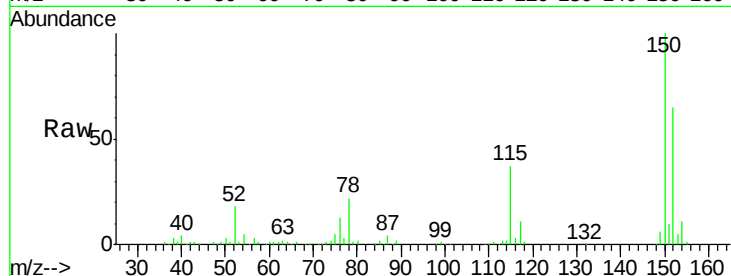
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(8-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	129.8	194.8
115	56.7	59.2	88.8

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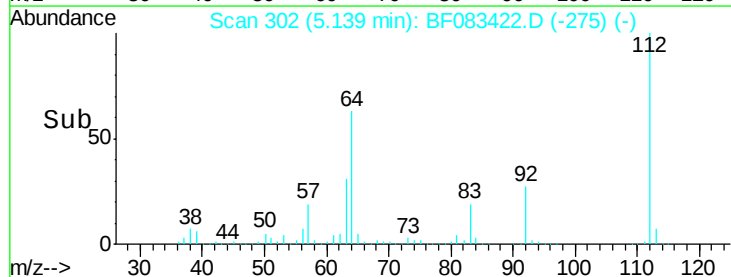
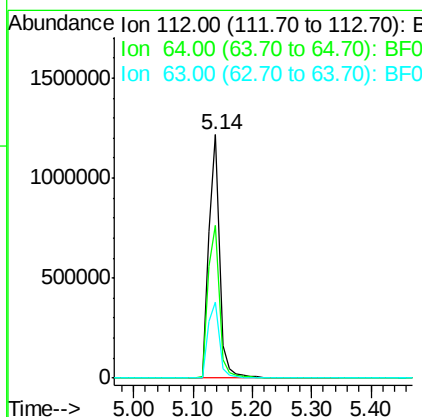
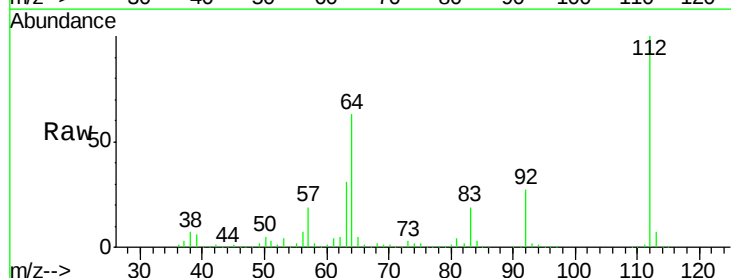
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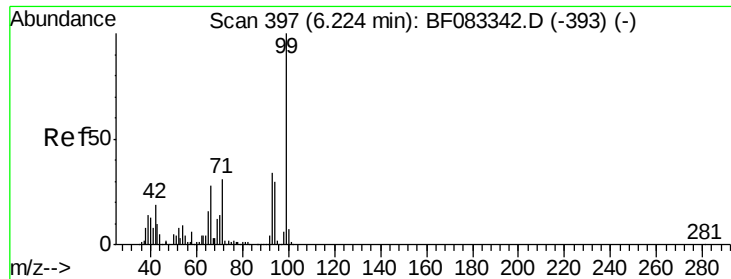


#5

2-Fluorophenol
Concen: 156.93 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	55.6	83.4
63	31.2	28.2	42.2





#7

Phenol-d6

Concen: 138.29 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083422.D

Acq: 2 Dec 2015 17:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(8-15)

Tot Ion: 99 Resp: 1848797

Ion Ratio Lower Upper

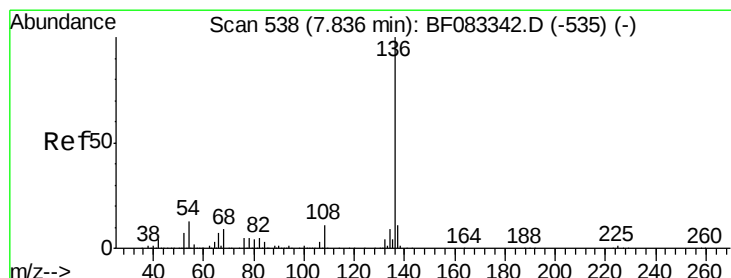
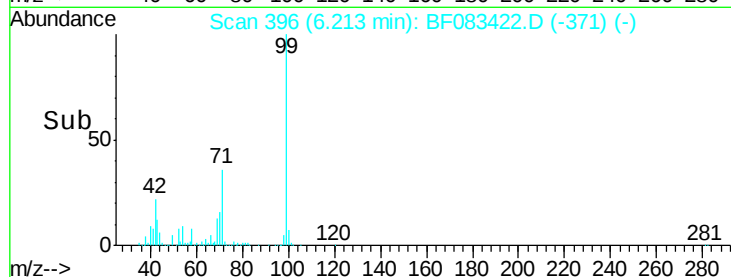
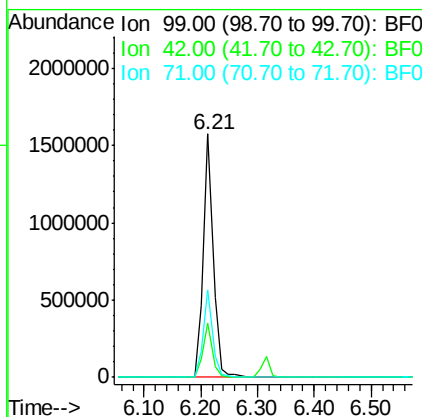
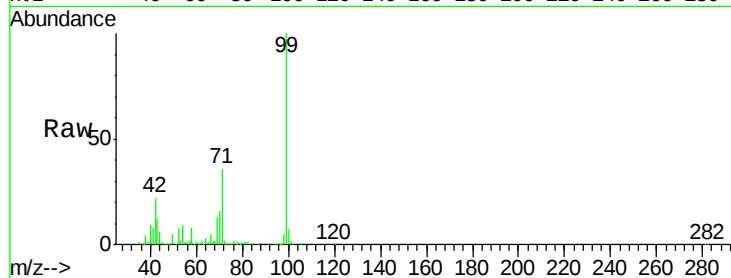
99 100

42 22.5 14.9 22.3#

71 35.8 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: BF083422.D

Acq: 2 Dec 2015 17:14

Tgt Ion: 136 Resp: 586830

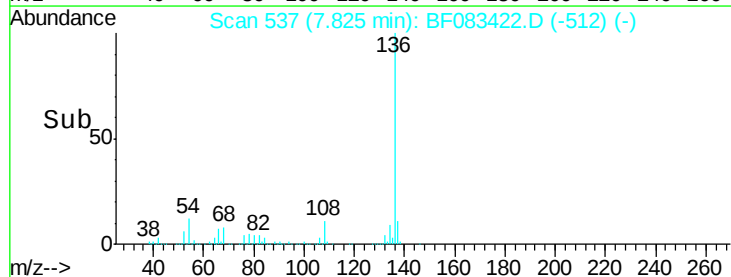
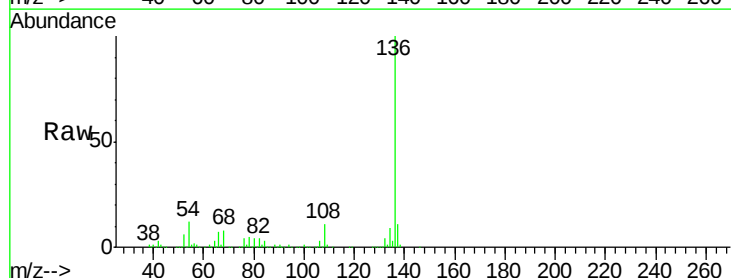
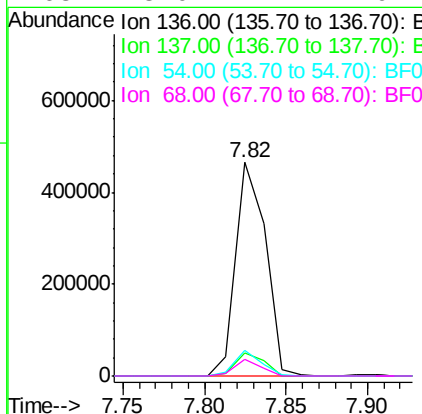
Ion Ratio Lower Upper

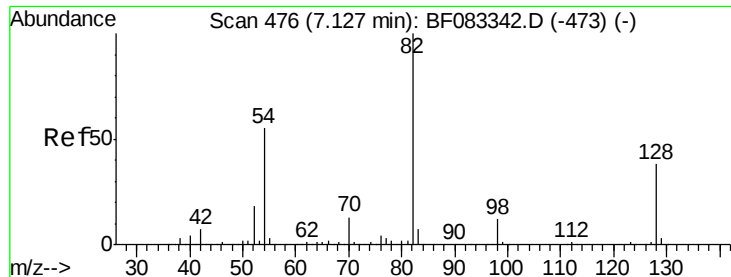
136 100

137 11.1 9.0 13.4

54 12.1 10.1 15.1

68 8.0 7.1 10.7





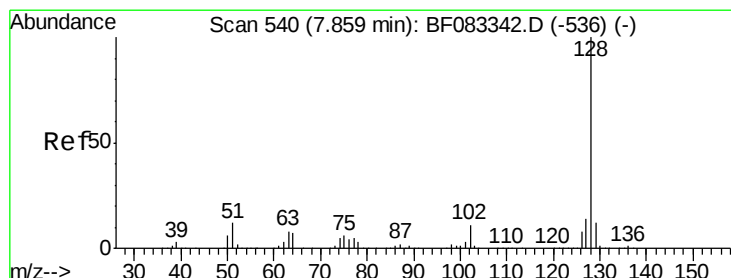
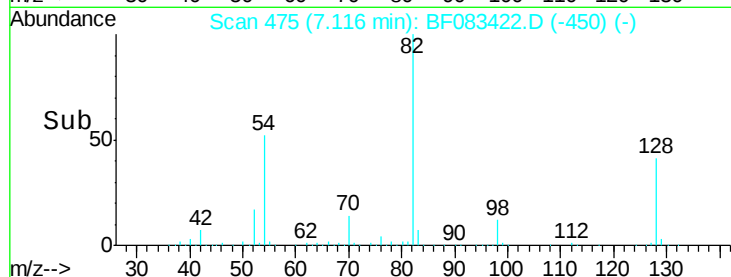
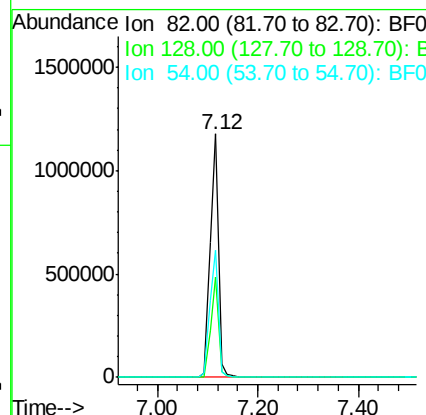
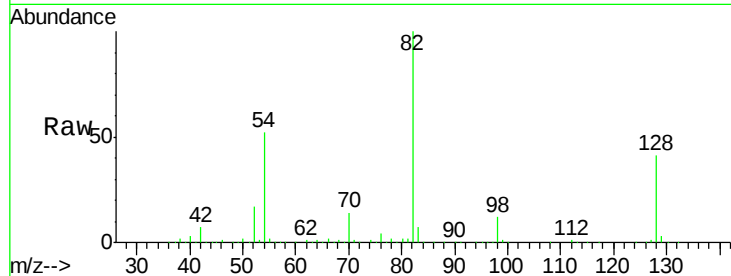
#23
 Nitrobenzene-d5
 Concen: 100.96 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083422.D
 Acq: 2 Dec 2015 17:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(8-15)

Tot Ion: 82 Resp: 1347764
 Ion Ratio Lower Upper
 82 100
 128 41.3 30.6 46.0
 54 52.2 43.8 65.6

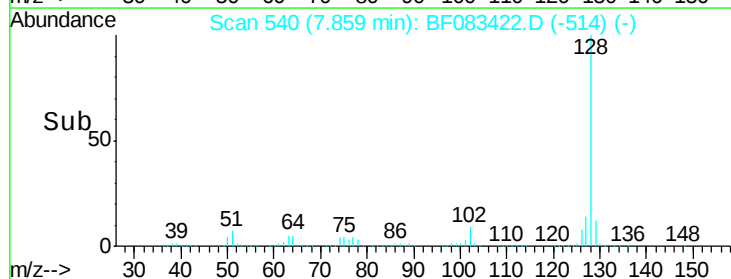
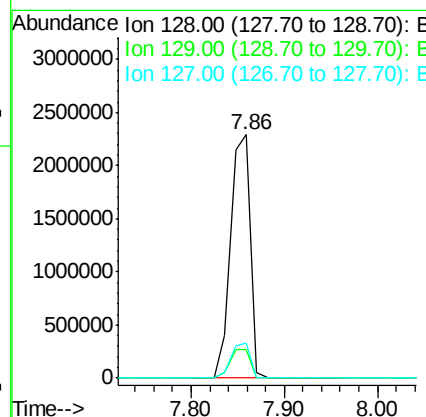
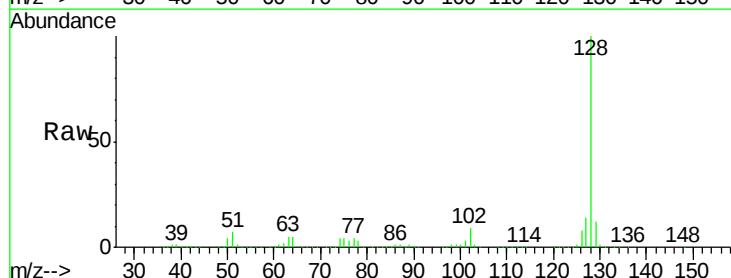
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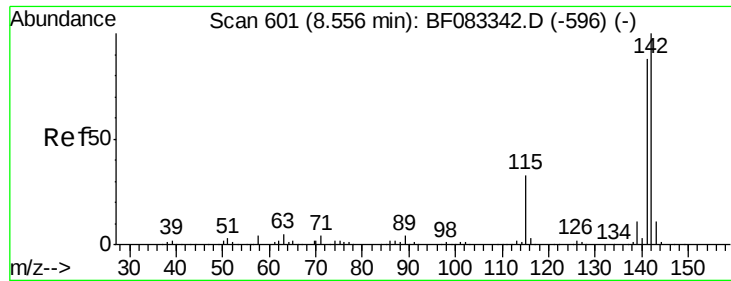
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#31
 Naphthalene
 Concen: 106.16 ng
 RT: 7.86 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: BF083422.D
 Acq: 2 Dec 2015 17:14

Tgt Ion:128 Resp: 3380107
 Ion Ratio Lower Upper
 128 100
 129 11.7 9.7 14.5
 127 14.2 11.0 16.4





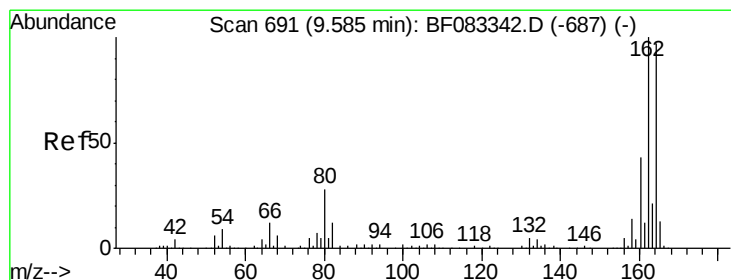
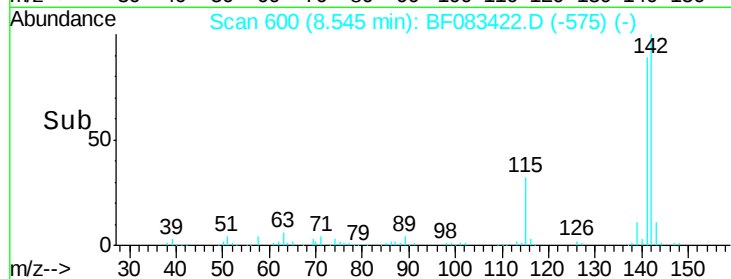
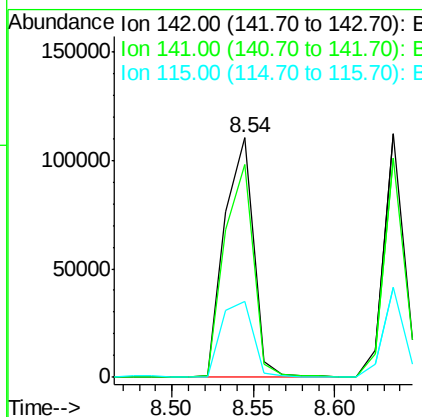
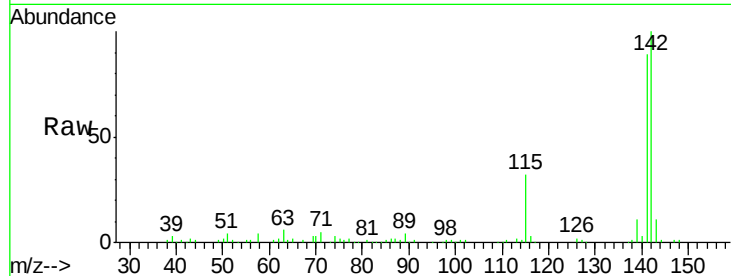
#37
2-Methylnaphthalene
Concen: 6.37 ng
RT: 8.54 min Scan# 600
Delta R.T. -0.01 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(8-15)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.6	105.8
115	31.6	26.2	39.2

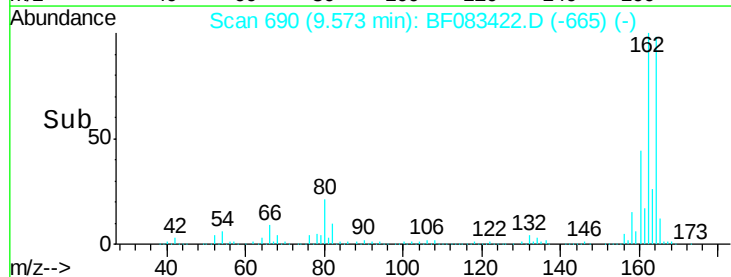
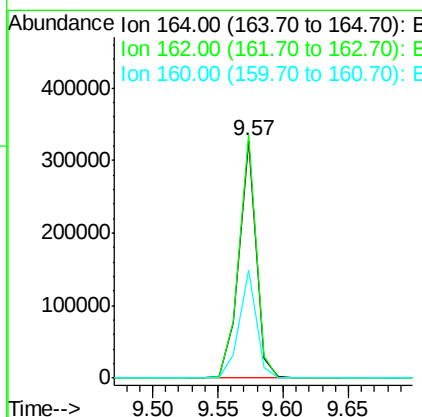
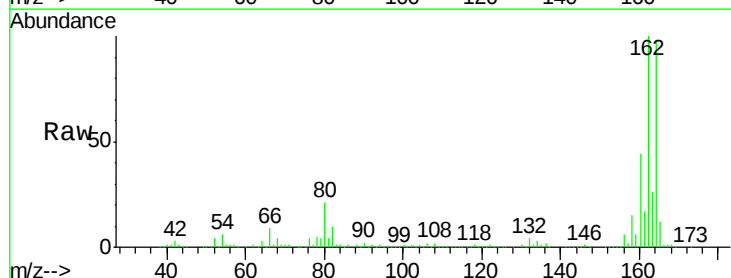
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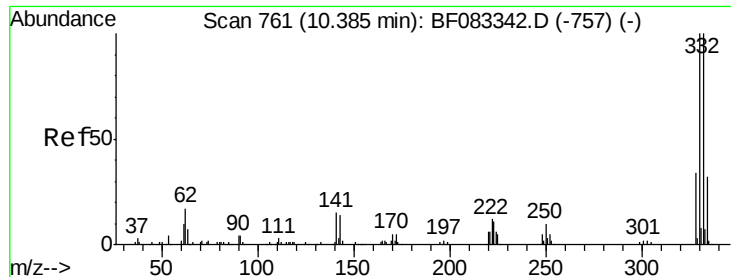
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	45.3	35.3	52.9





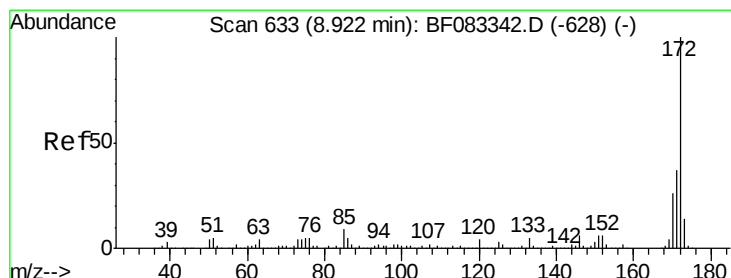
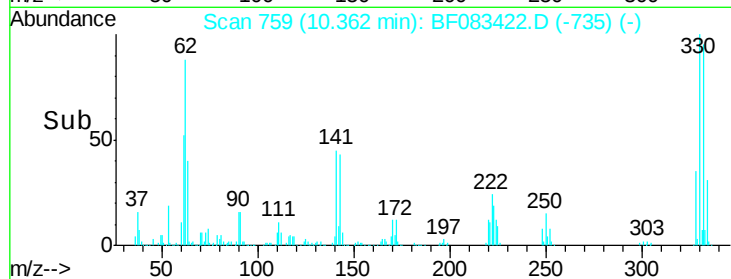
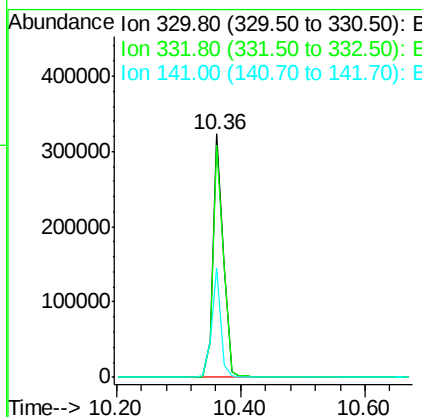
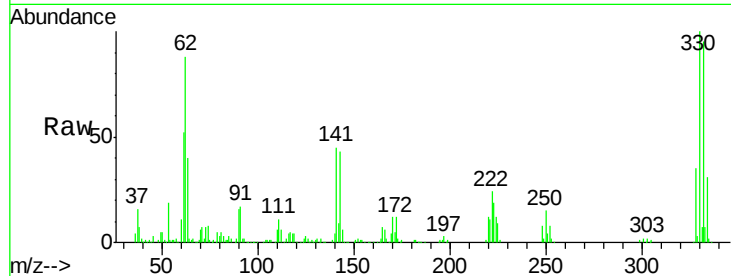
#41
 2,4,6-Tribromophenol
 Concen: 122.07 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083422.D
 Acq: 2 Dec 2015 17:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(8-15)

Tot Ion:	330	Resp:	366557
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.8	116.6
141	40.4	29.4	44.0

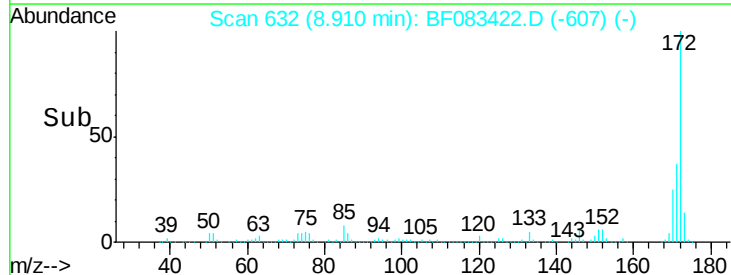
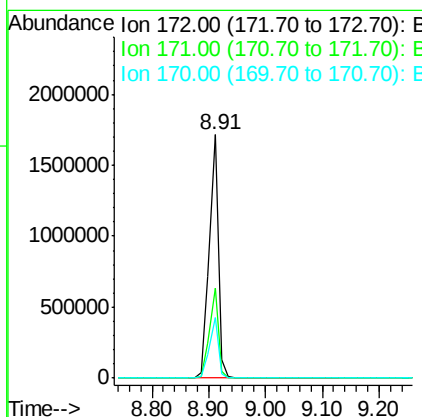
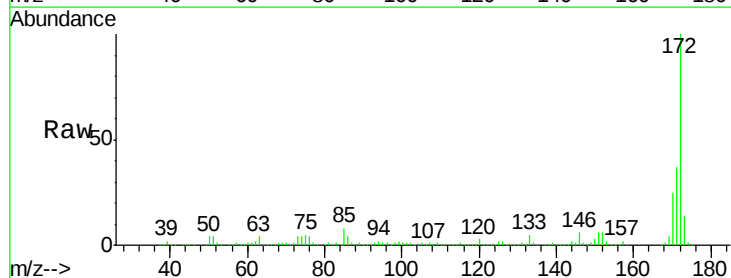
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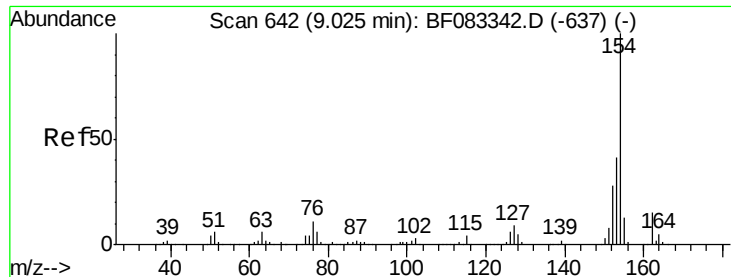
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#44
 2-Fluorobiphenyl
 Concen: 85.83 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083422.D
 Acq: 2 Dec 2015 17:14

Tgt Ion:	172	Resp:	1801633
Ion Ratio	Lower	Upper	
172	100		
171	37.1	29.4	44.0
170	24.6	20.4	30.6





#45

1,1'-Biphenyl

Concen: 2.02 ng

RT: 9.00 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF083422.D

Acq: 2 Dec 2015 17:14

Instrument :

BNA_F

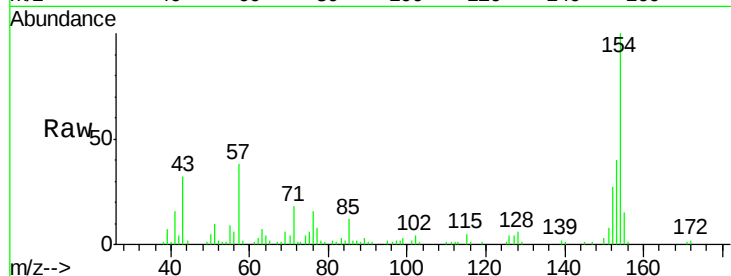
ClientSampleId :

SB-P3WC-15(8-15)

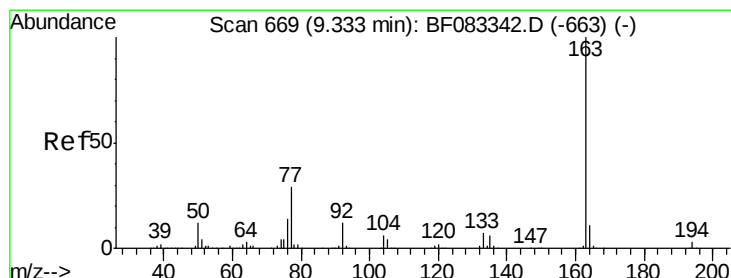
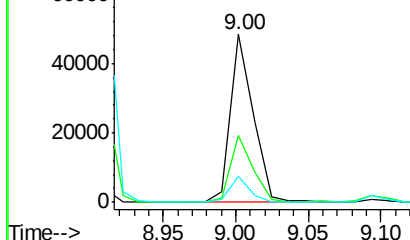
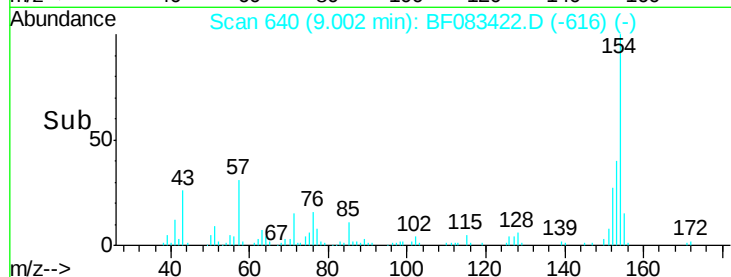
Tot Ion:	154	Resp:	52895
Ion Ratio	Lower	Upper	
154	100		
153	39.9	20.6	60.6
76	15.8	0.0	30.5

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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



#49

Dimethylphthalate

Concen: 18.77 ng

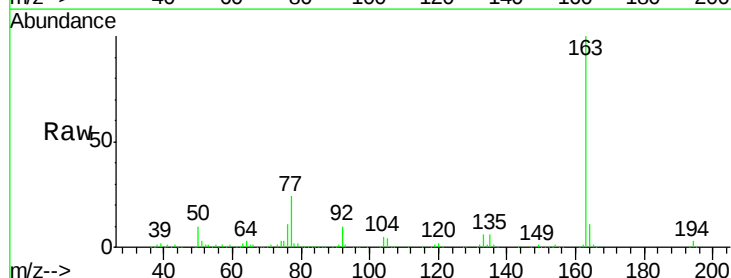
RT: 9.31 min Scan# 667

Delta R.T. -0.02 min

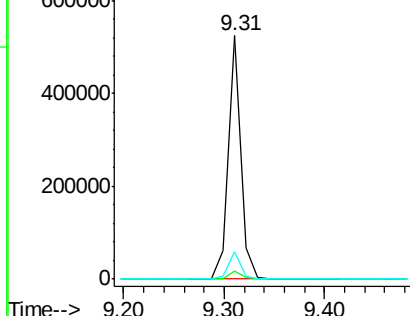
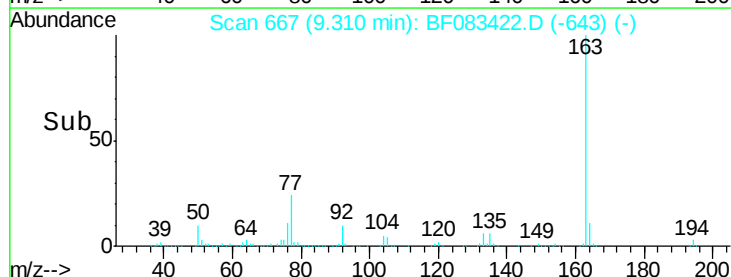
Lab File: BF083422.D

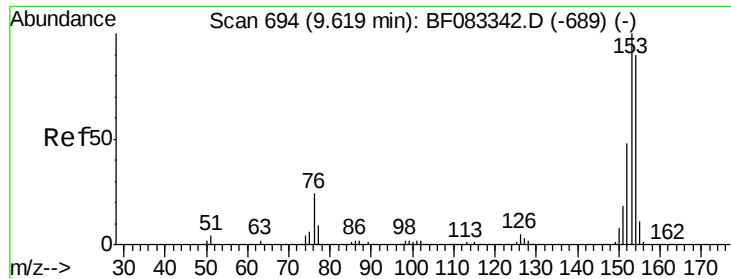
Acq: 2 Dec 2015 17:14

Tgt Ion:	163	Resp:	456353
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	11.0	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: 7.97 ng

RT: 9.61 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF083422.D

Acq: 2 Dec 2015 17:14

Instrument :

BNA_F

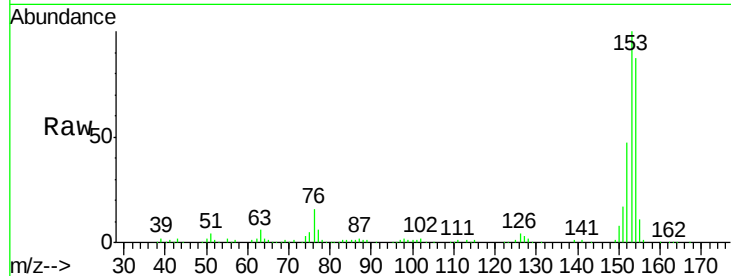
ClientSampleId :

SB-P3WC-15(8-15)

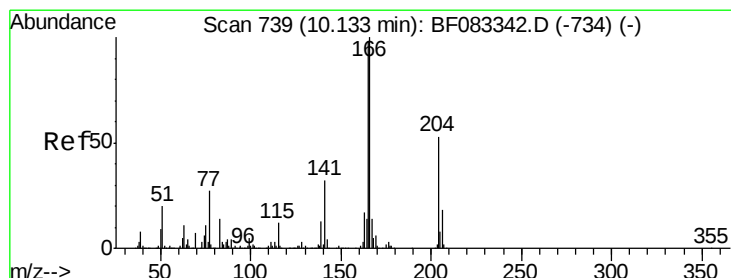
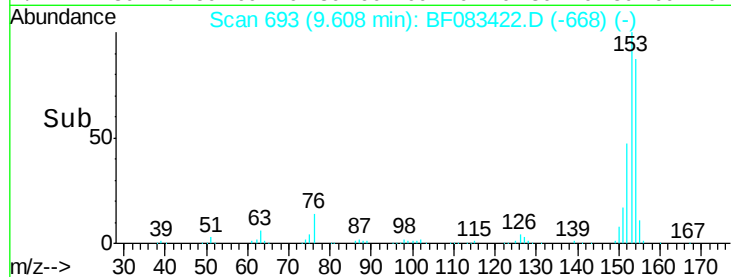
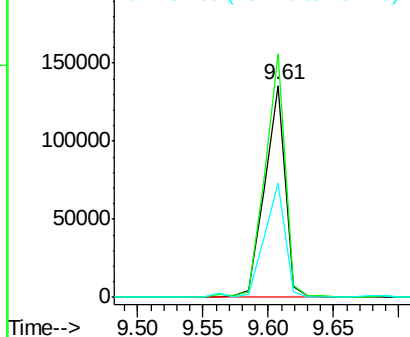
Tot Ion:	154	Resp:	149542
Ion Ratio	Lower	Upper	
154	100		
153	114.7	89.3	133.9
152	53.7	42.5	63.7

Manual Integrations
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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: 3.65 ng m

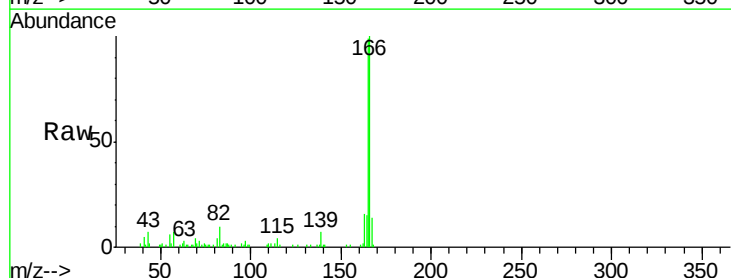
RT: 10.12 min Scan# 738

Delta R.T. -0.01 min

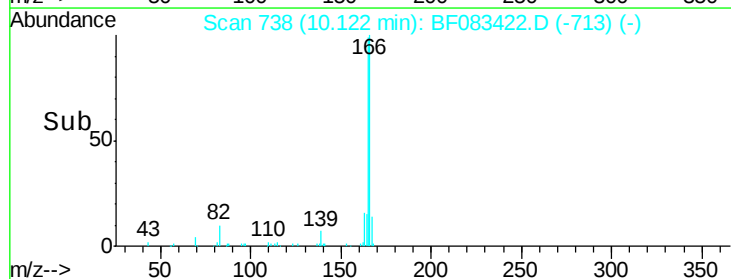
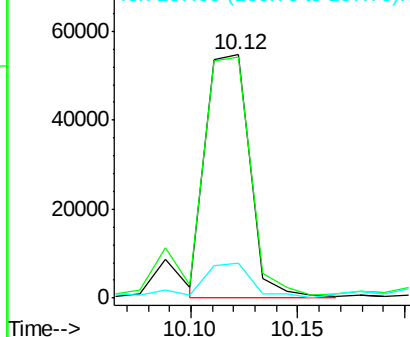
Lab File: BF083422.D

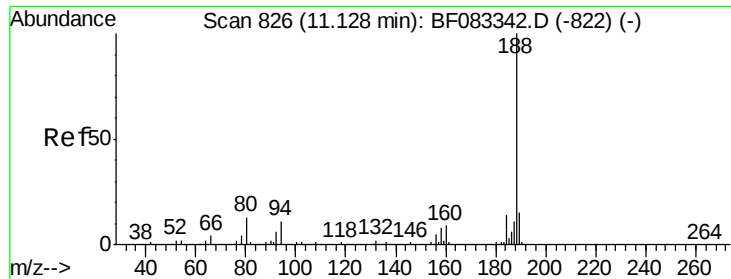
Acq: 2 Dec 2015 17:14

Tgt Ion:	166	Resp:	79247
Ion Ratio	Lower	Upper	
166	100		
165	99.2	78.3	117.5
167	14.3	11.1	16.7



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





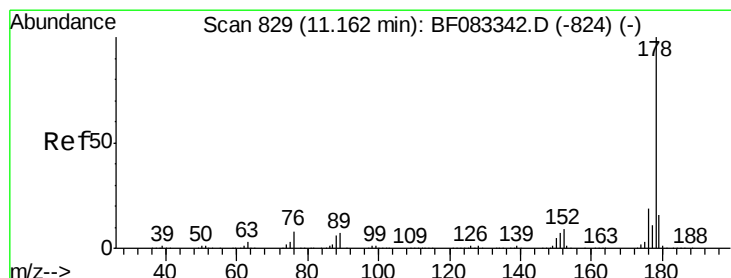
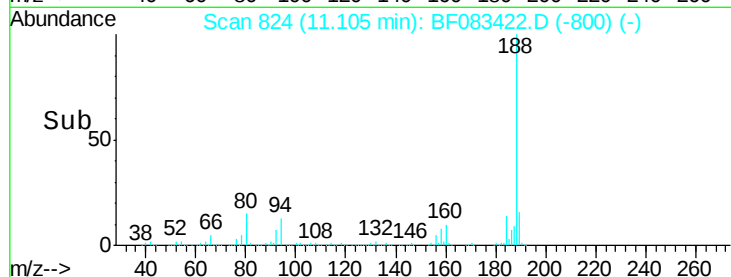
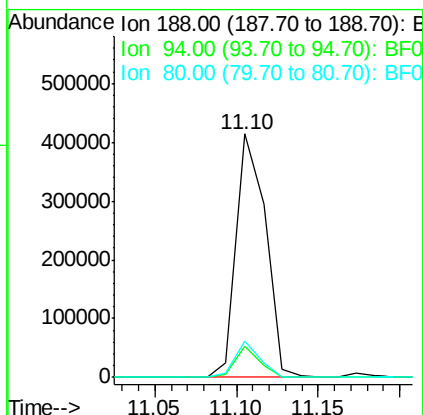
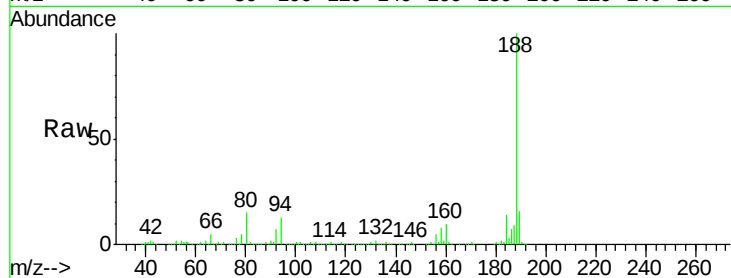
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(8-15)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	516513		
94	12.9		8.7	13.1
80	15.1		10.3	15.5

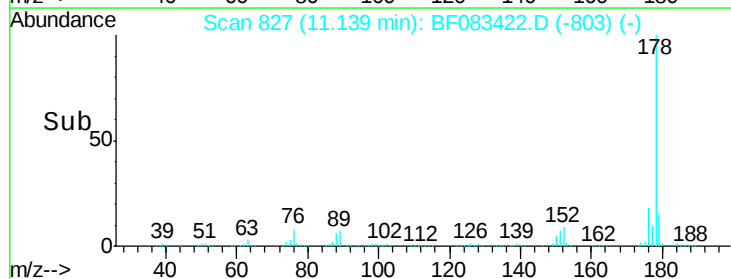
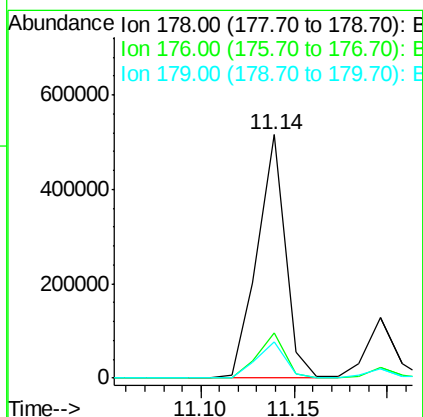
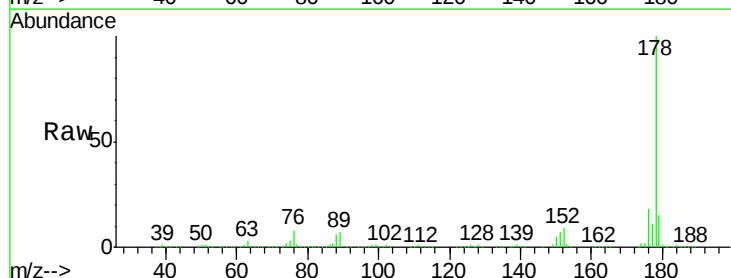
Manual Integrations
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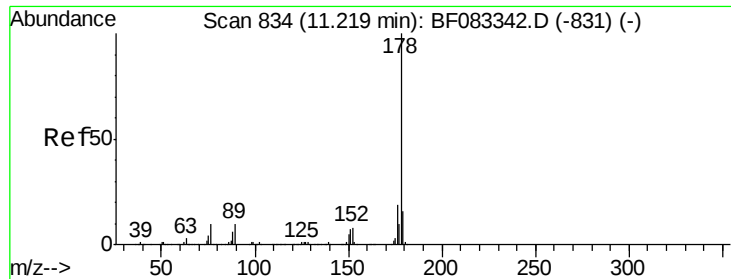
Mmdadoda
12/3/2015 7:09:38 PM



#70
Phenanthrene
Concen: 17.63 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	538750		
176	18.5		15.3	22.9
179	15.0		12.4	18.6





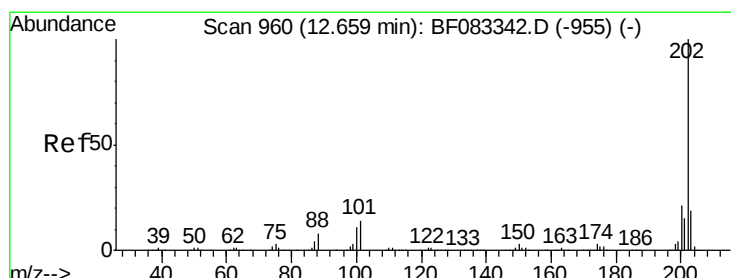
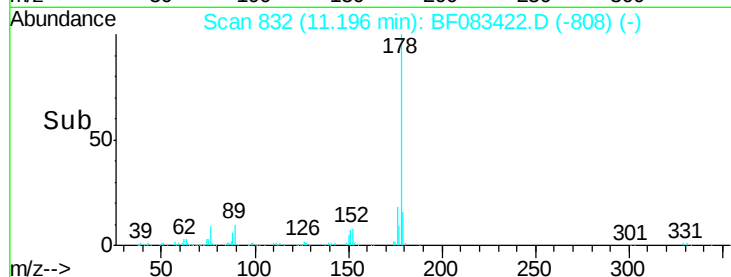
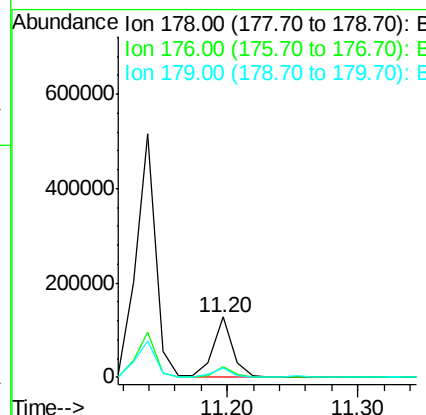
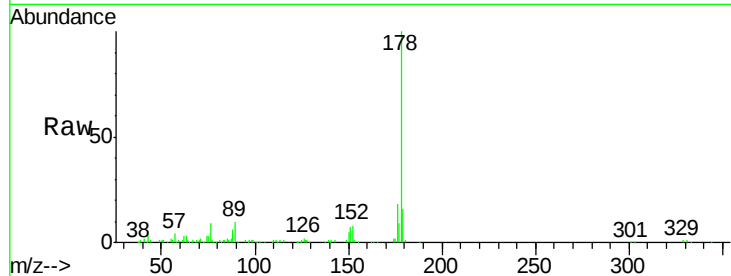
#71
 Anthracene
 Concen: 4.28 ng
 RT: 11.20 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF083422.D
 Acq: 2 Dec 2015 17:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-15(8-15)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	15.9	12.8	19.2

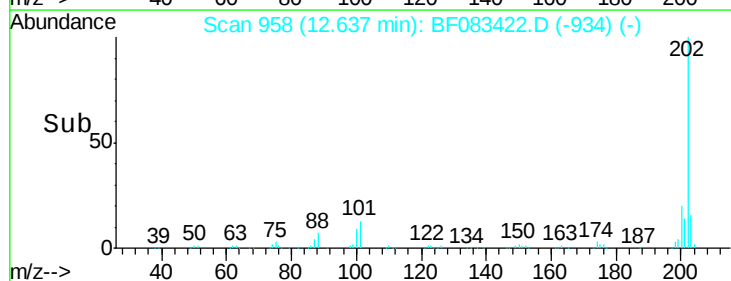
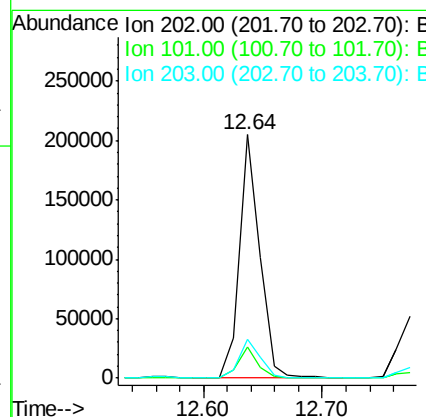
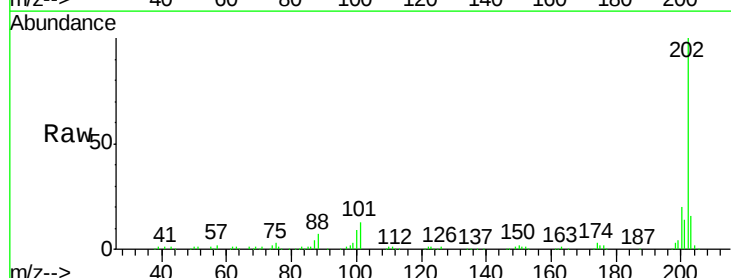
Manual Integrations
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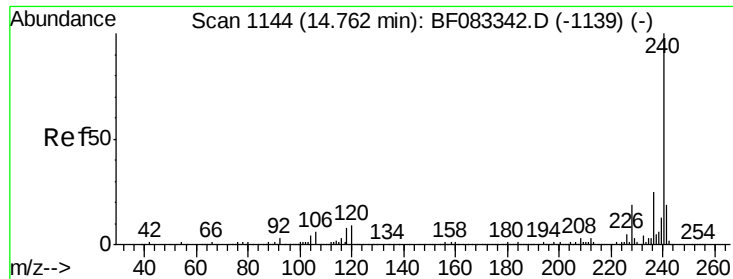
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#74
 Fluoranthene
 Concen: 7.63 ng
 RT: 12.64 min Scan# 958
 Delta R.T. -0.02 min
 Lab File: BF083422.D
 Acq: 2 Dec 2015 17:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.5
203	16.2	0.0	38.7





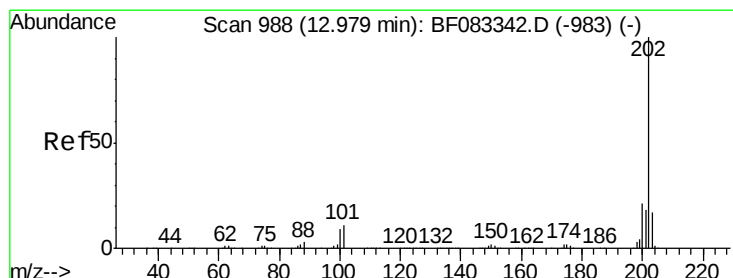
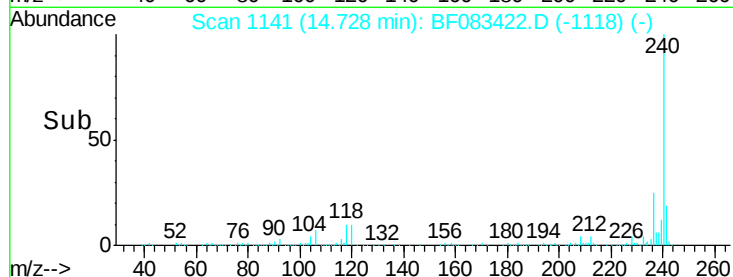
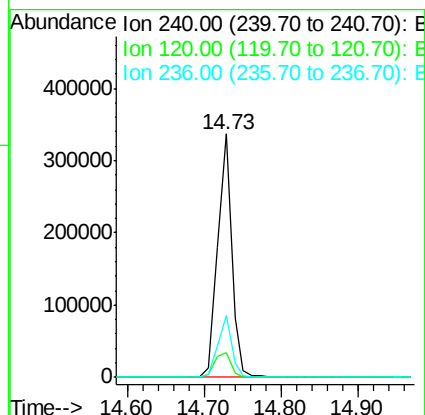
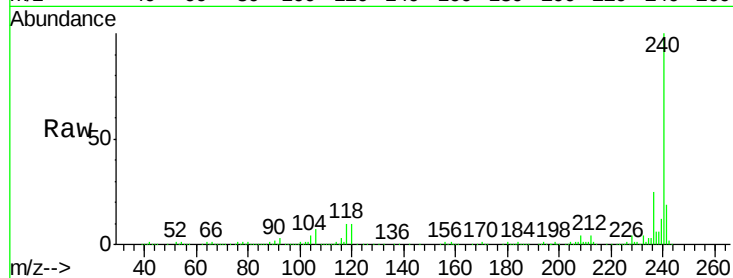
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.73 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(8-15)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.3	6.9	10.3	
236	25.4	19.8	29.6	

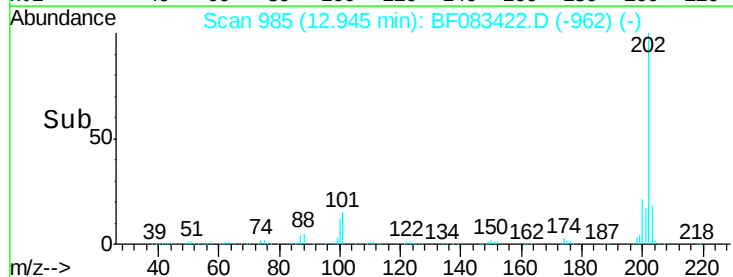
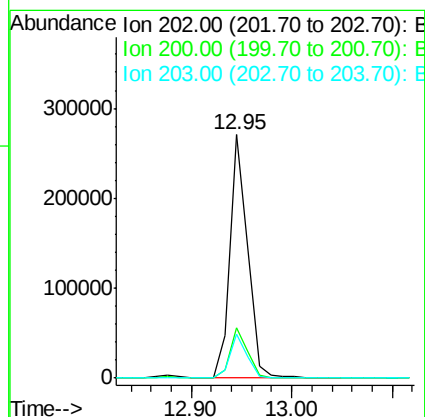
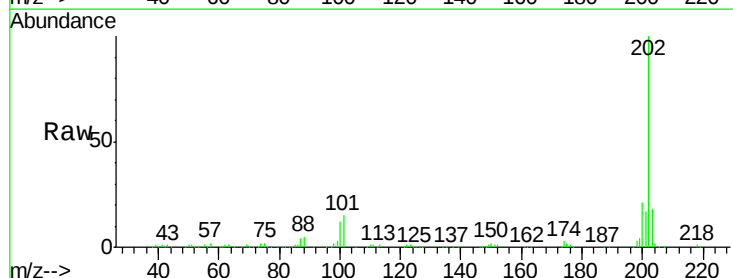
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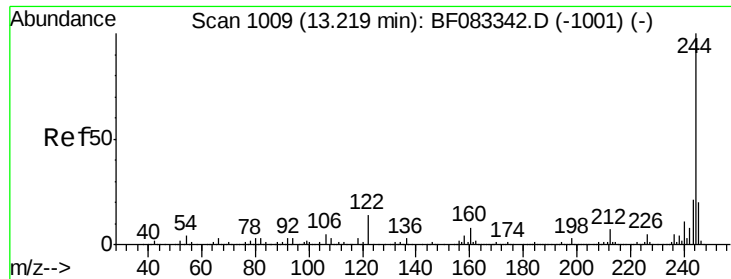
Mmdadoda
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#77
Pyrene
Concen: 10.89 ng
RT: 12.95 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	16.9	25.3	
203	18.0	13.9	20.9	





#78

Terphenyl-d14

Concen: 93.79 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083422.D

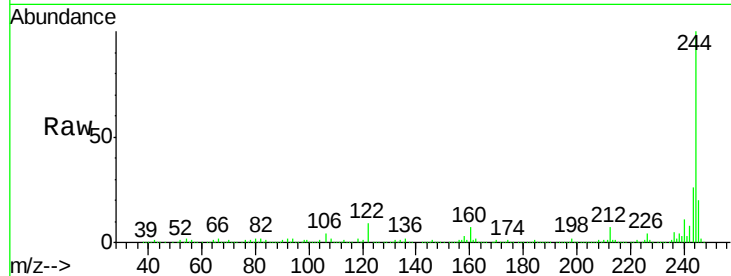
Acq: 2 Dec 2015 17:14

Instrument :

BNA_F

ClientSampleId :

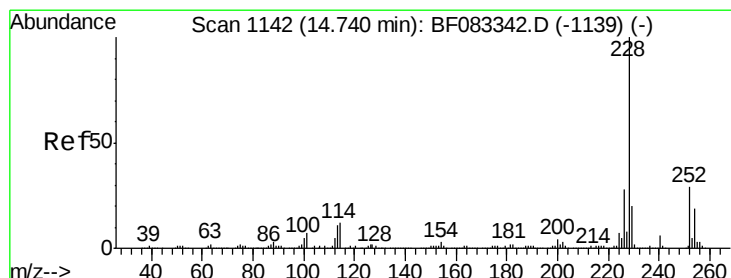
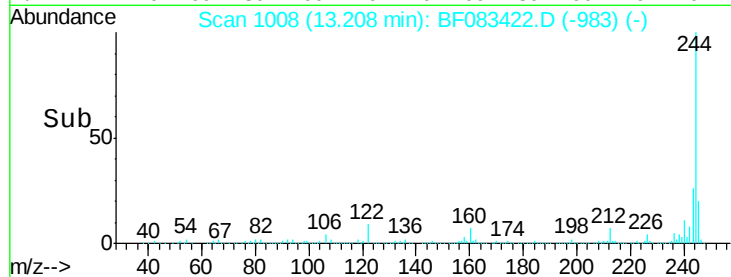
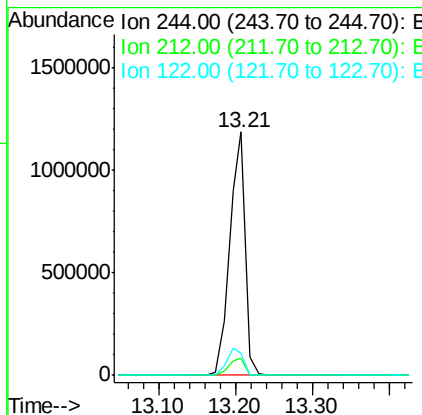
SB-P3WC-15(8-15)



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.3	11.0	16.4#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 3.18 ng m

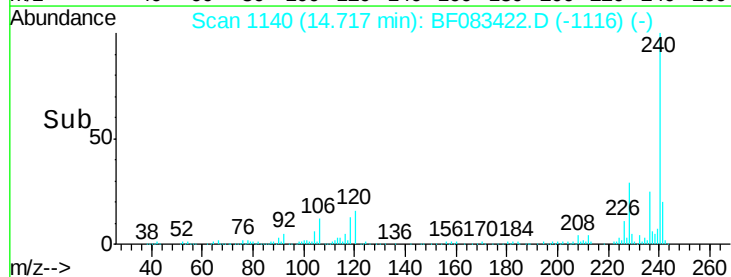
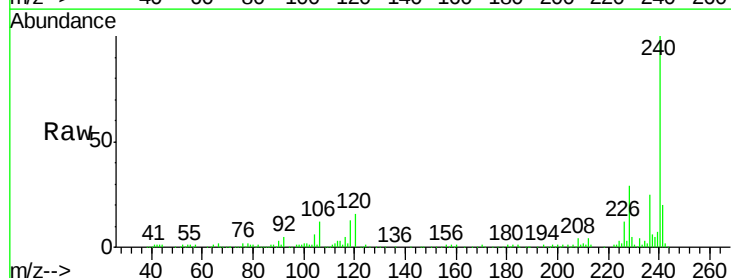
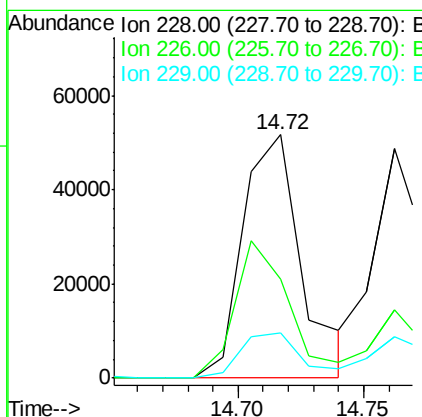
RT: 14.72 min Scan# 1140

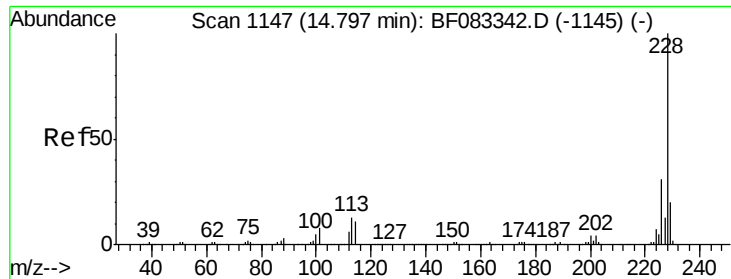
Delta R.T. -0.02 min

Lab File: BF083422.D

Acq: 2 Dec 2015 17:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.5	22.2	33.4#
229	18.7	16.1	24.1





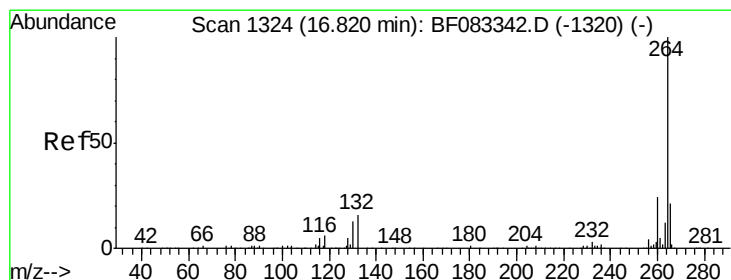
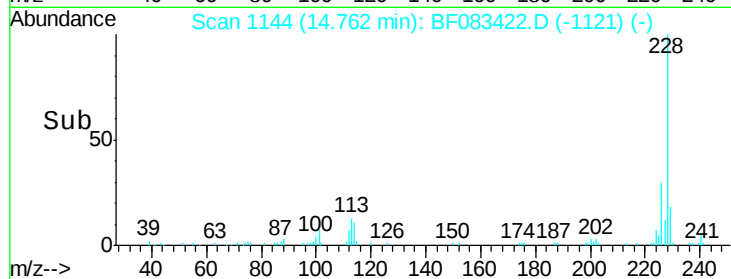
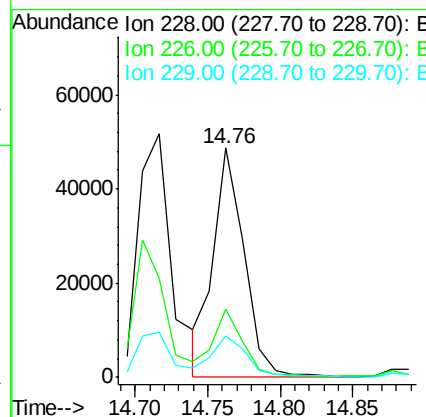
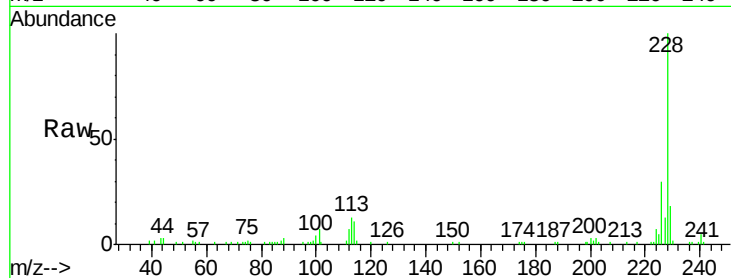
#82
Chrysene
Concen: 2.84 ng
RT: 14.76 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-15(8-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	17.8	16.2	24.2

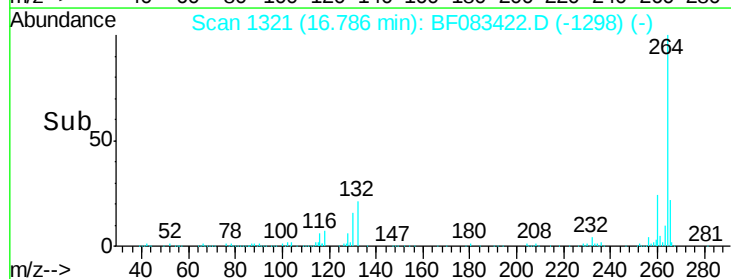
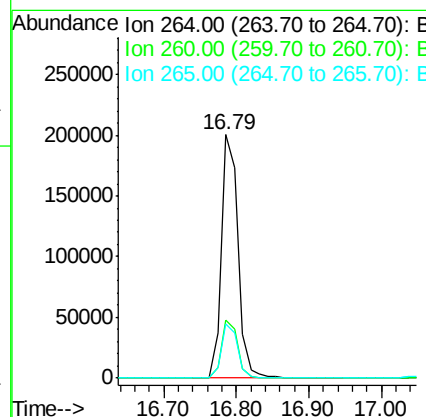
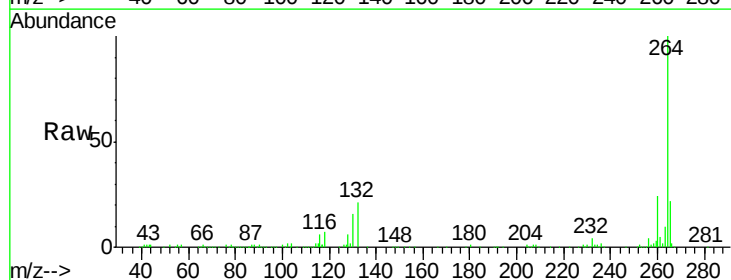
Manual Integrations
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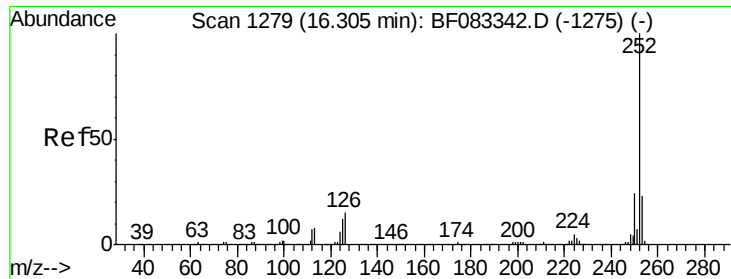
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.79 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF083422.D
Acq: 2 Dec 2015 17:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.2	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 2.53 ng

RT: 16.28 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF083422.D

Acq: 2 Dec 2015 17:14

Instrument :

BNA_F

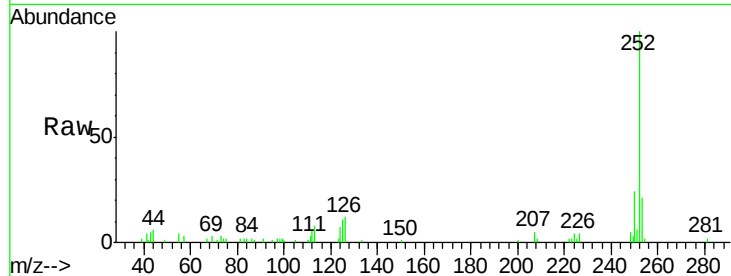
ClientSampleId :

SB-P3WC-15(8-15)

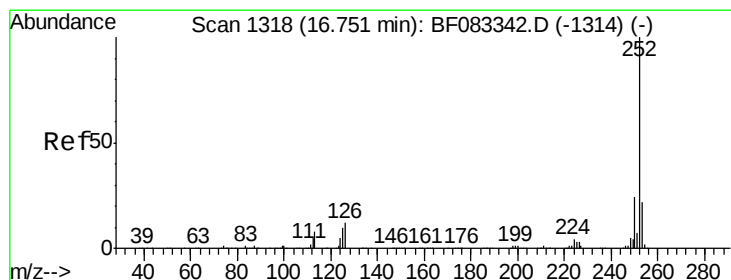
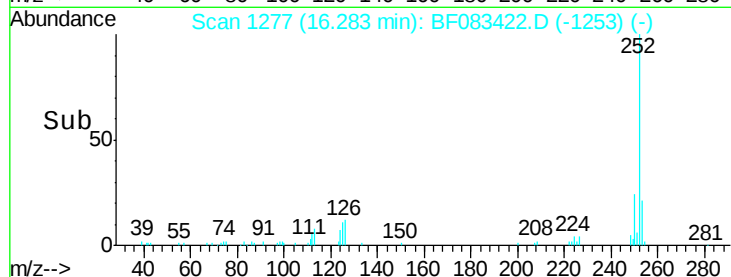
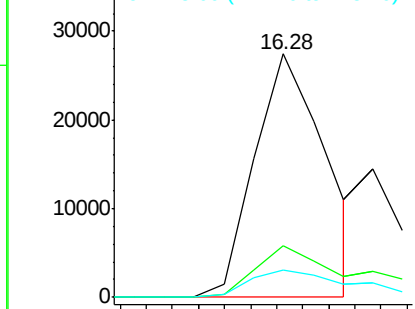
Tot Ion:	252	Resp:	51709
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.4	27.6
125	11.4	9.6	14.4

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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



#89

Benzo(a)pyrene

Concen: 3.21 ng

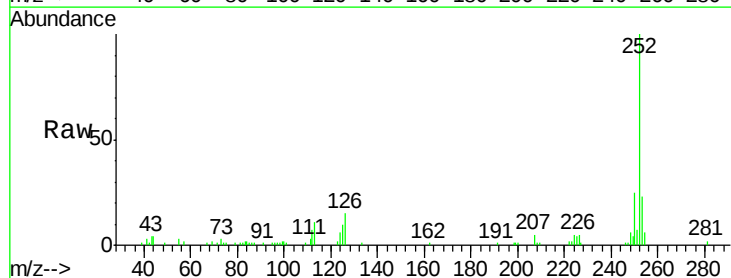
RT: 16.72 min Scan# 1315

Delta R.T. -0.03 min

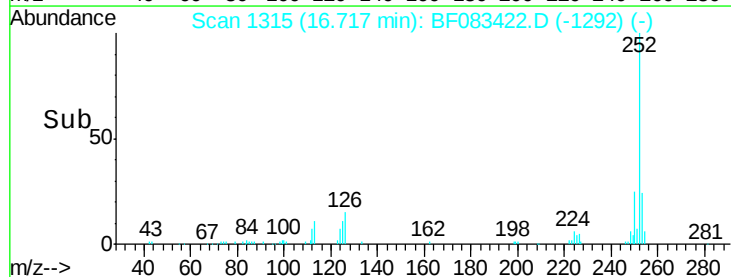
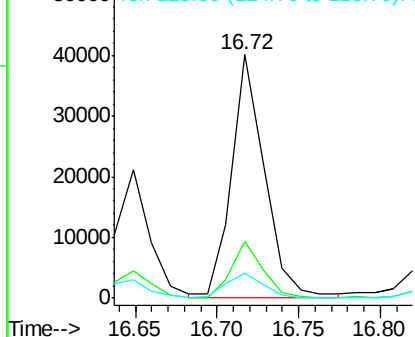
Lab File: BF083422.D

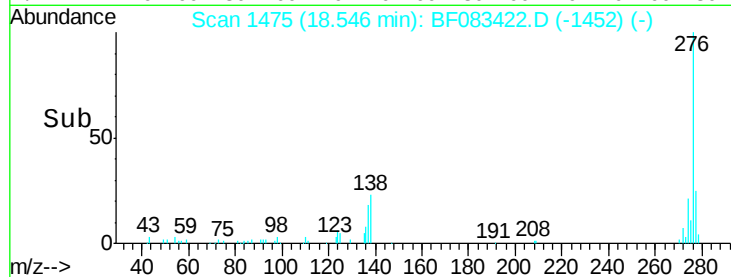
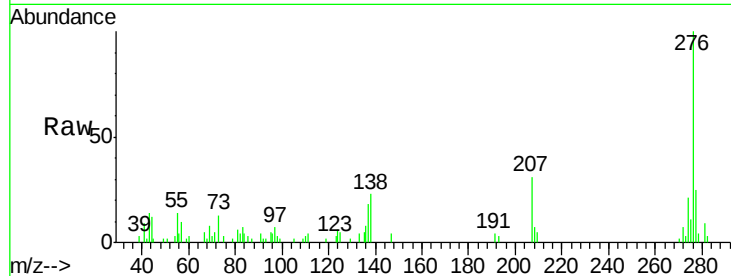
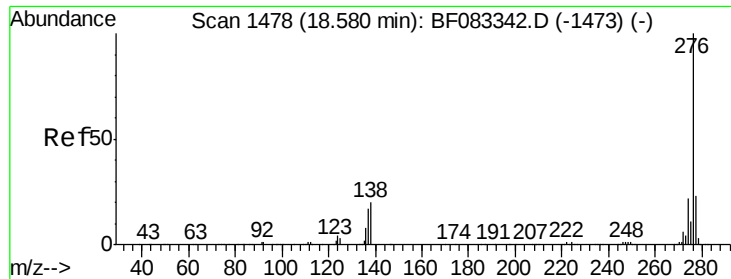
Acq: 2 Dec 2015 17:14

Tgt Ion:	252	Resp:	56345
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	10.4	7.8	11.8



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





#91

Benzo(a,h,i)perylene

Concen: 2.16 ng

RT: 18.55 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF083422.D

Acq: 2 Dec 2015 17:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-15(8-15)

Tot Ion:	276	Resp:	32419
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	23.1	16.1	24.1

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