

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083541.D
 Acq On : 7 Dec 2015 3:47
 Operator : UM/IZ
 Sample : G4614-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S15-15

Manual Integrations
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Mmdadoda
 12/7/2015 6:33:29 PM

Quant Time: Dec 07 06:47:33 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	5.73	152	167812	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	633656	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	303841	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	538327	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	362096	20.00	ng	-0.03
86) Perylene-d12	18.65	264	328041	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1583919	143.20	ng	-0.01
7) Phenol-d6	5.30	99	2070456	135.86	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1404496	103.61	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	385090	137.39	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	1960498	87.52	ng	-0.05
78) Terphenyl-d14	15.45	244	1539870	94.63	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	10.06	163	603746	25.25	ng	98
70) Phenanthrene	12.85	178	542957	17.33	ng	99
71) Anthracene	12.93	178	112114	3.51	ng	96
74) Fluoranthene	14.77	202	588289	18.94	ng	98
77) Pyrene	15.13	202	504935	18.64	ng	# 95
80) Benzo(a)anthracene	17.00	228	230968	10.90	ng	98
82) Chrysene	17.05	228	175598	8.32	ng	96
85) Indeno(1,2,3-cd)pyrene	19.88	276	88920	4.91	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	208524m	11.32	ng	
88) Benzo(k)fluoranthene	18.29	252	72037m	3.82	ng	
89) Benzo(a)pyrene	18.59	252	155843m	8.70	ng	
91) Benzo(a,h,i)perylene	20.24	276	88974	5.12	ng	98

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

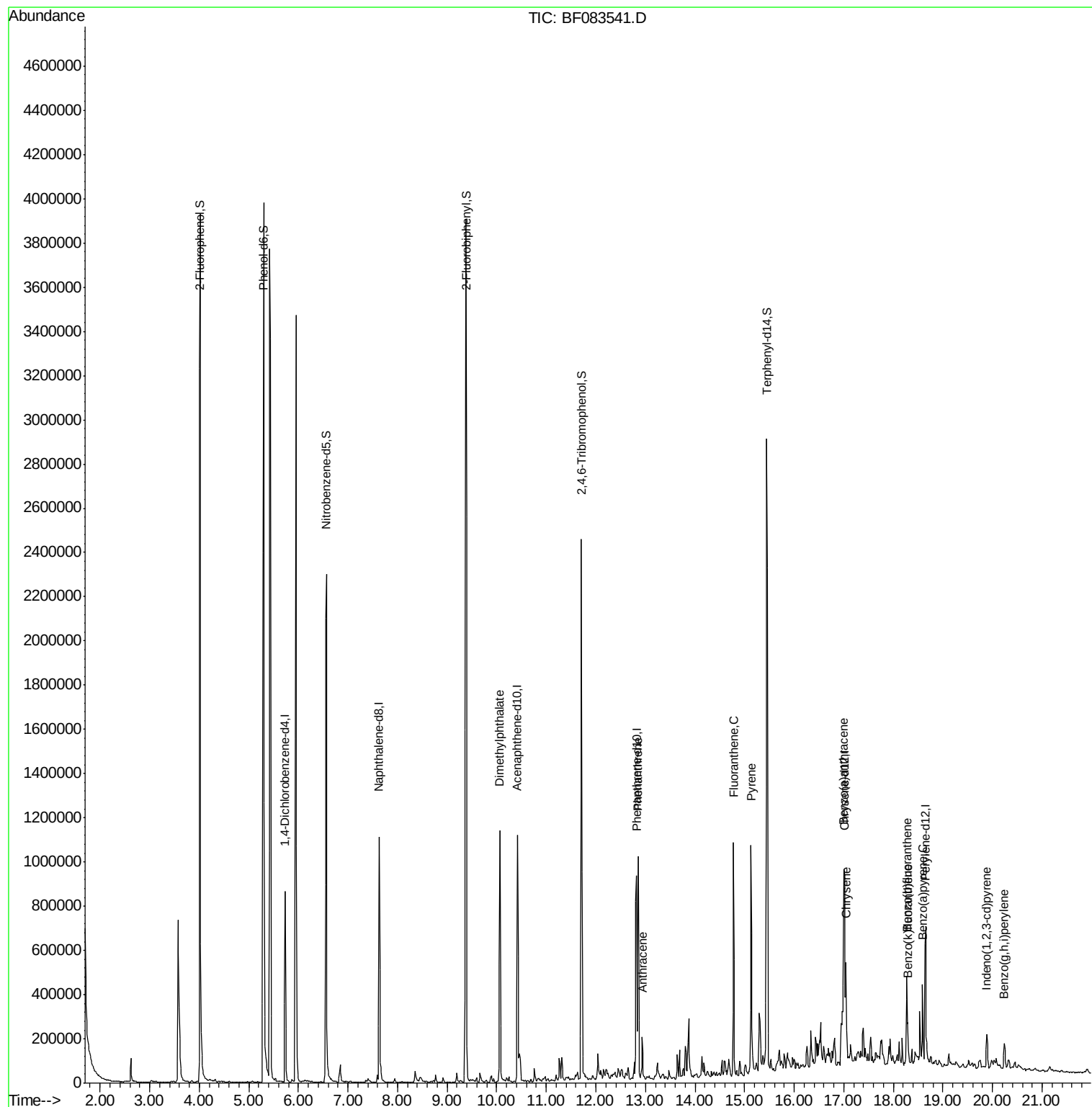
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083541.D
Acq On : 7 Dec 2015 3:47
Operator : UM/IZ
Sample : G4614-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

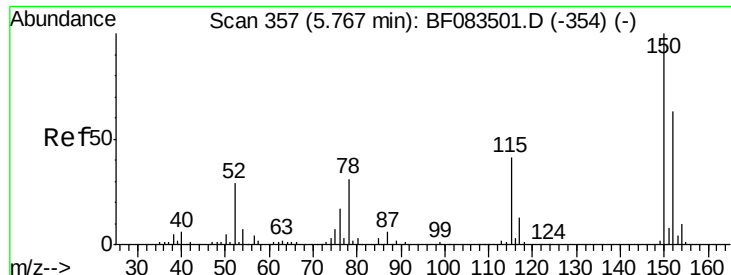
Instrument :
BNA_F
ClientSampleId :
S15-15

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

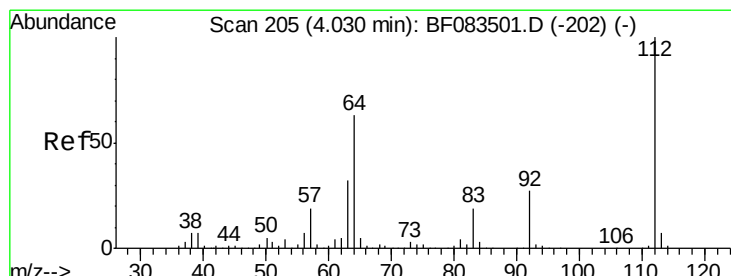
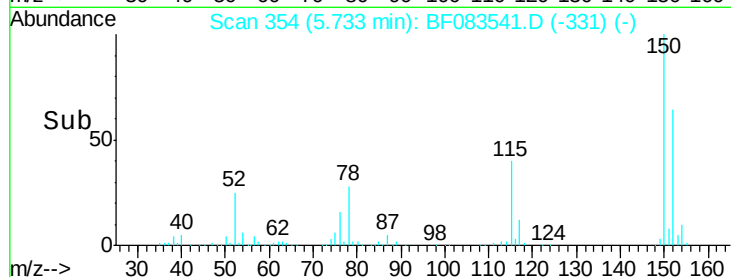
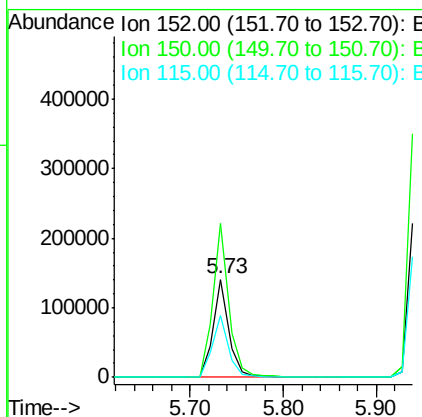
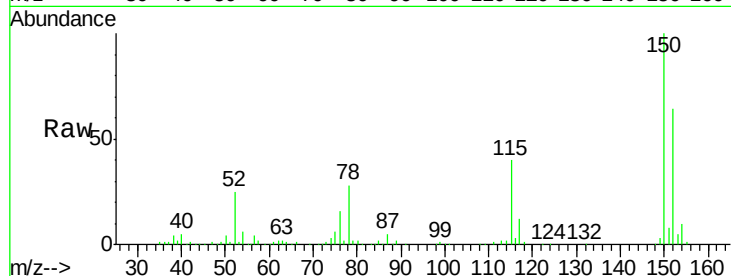
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Instrument :
BNA_F
ClientSampleId :
S15-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.5	189.7
115	62.5	52.3	78.5

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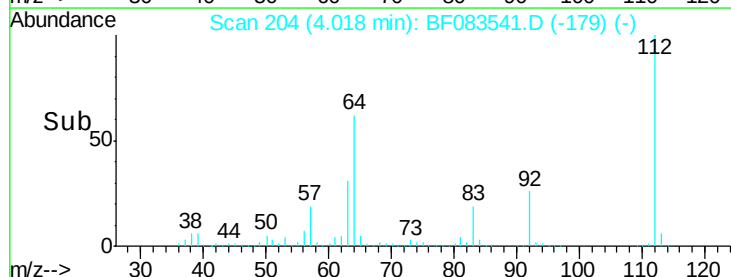
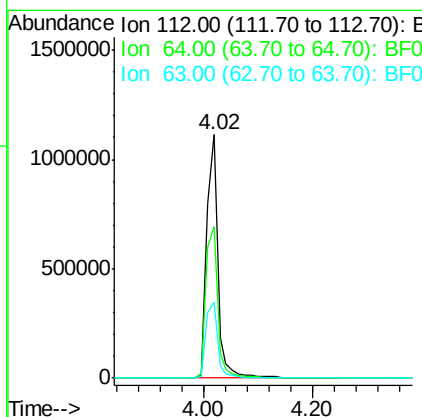
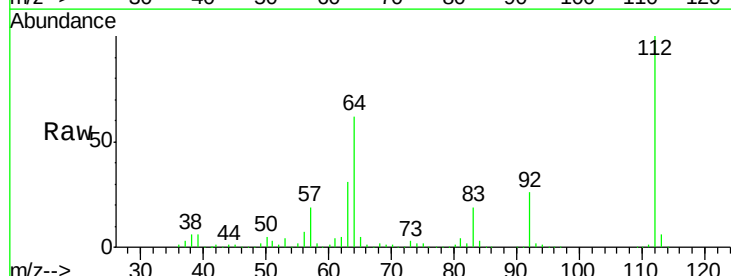
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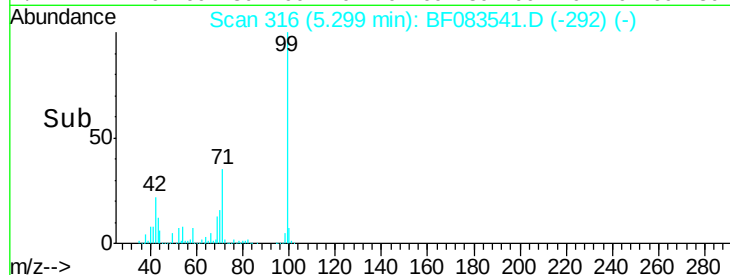
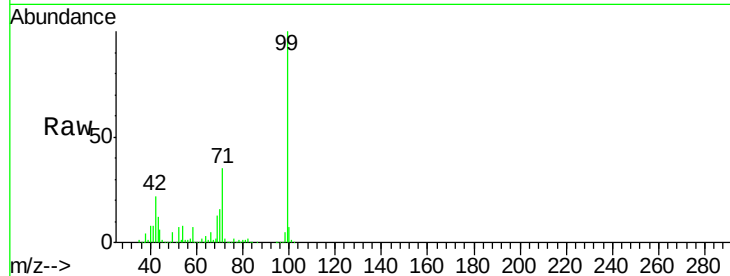
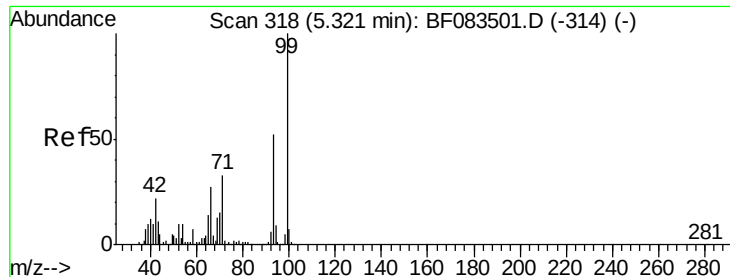


#5

2-Fluorophenol
Concen: 143.20 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	50.5	75.7
63	31.0	25.8	38.6





#7

Phenol-d6

Concen: 135.86 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Tot Ion: 99 Resp: 2070456

Ion Ratio Lower Upper

99 100

42 21.7 17.3 25.9

71 35.0 26.6 40.0

Instrument :

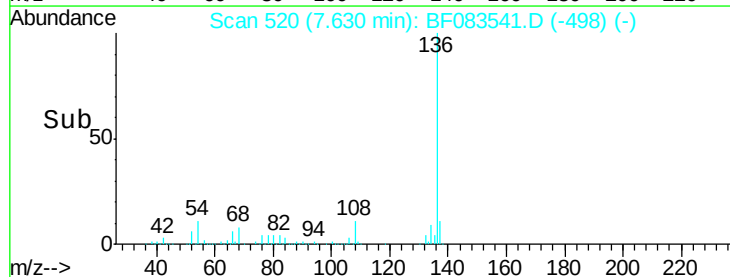
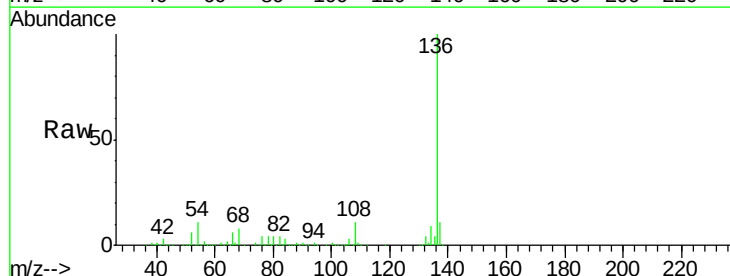
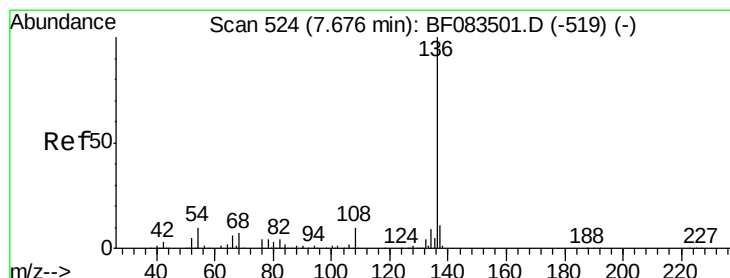
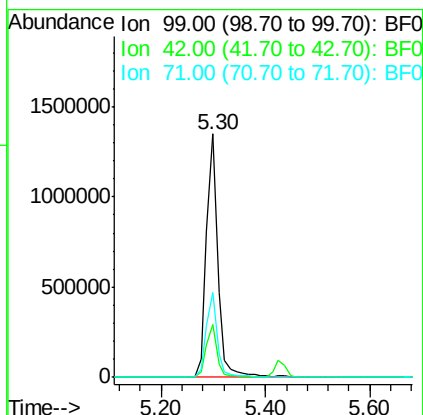
BNA_F

ClientSampleId :

S15-15

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Tgt Ion: 136 Resp: 633656

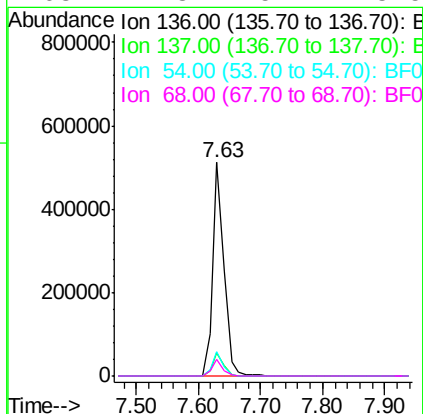
Ion Ratio Lower Upper

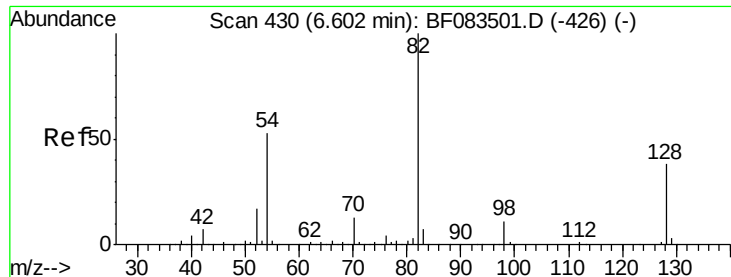
136 100

137 11.0 8.7 13.1

54 11.3 7.8 11.6

68 7.8 5.7 8.5





#23

Nitrobenzene-d5

Concen: 103.61 ng

RT: 6.57 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_F

ClientSampleId :

S15-15

Tot Ion: 82 Resp: 1404496

Ion Ratio Lower Upper

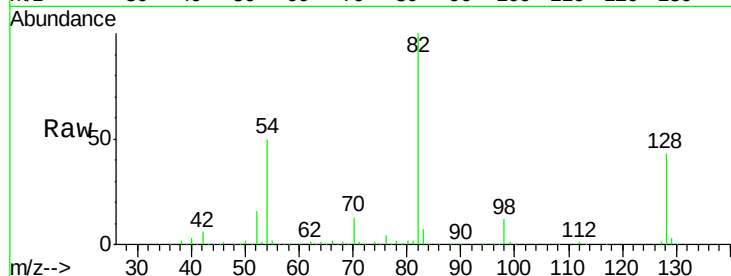
82 100

128 42.7 30.7 46.1

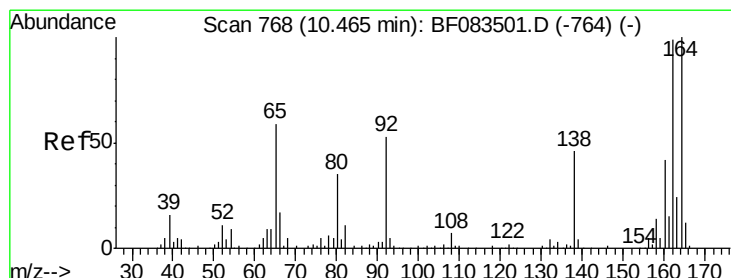
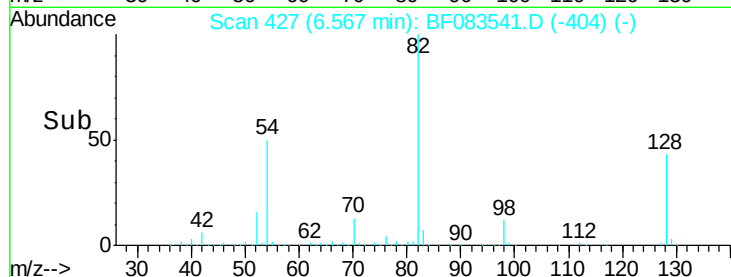
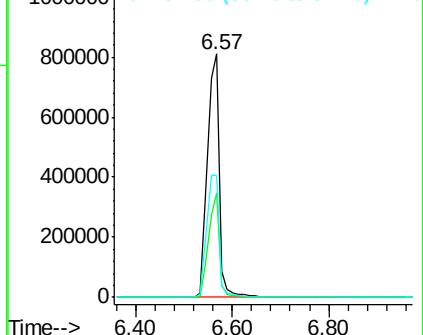
54 50.3 42.5 63.7

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.05 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

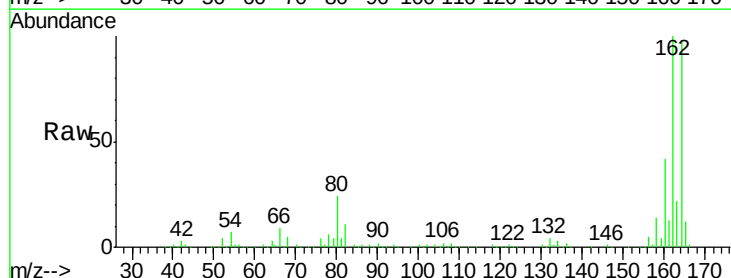
Tgt Ion:164 Resp: 303841

Ion Ratio Lower Upper

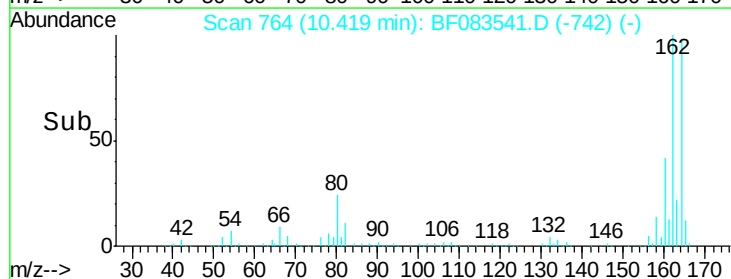
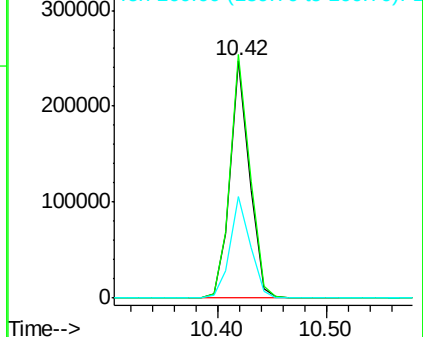
164 100

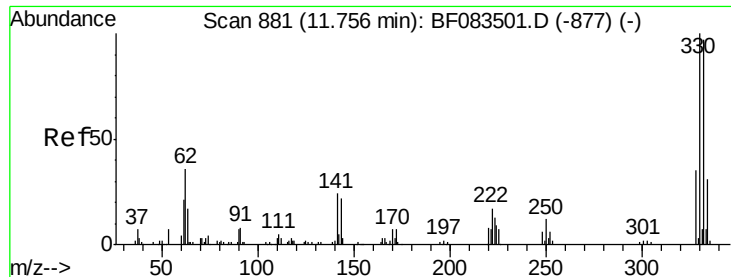
162 102.5 78.8 118.2

160 42.8 33.4 50.2



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





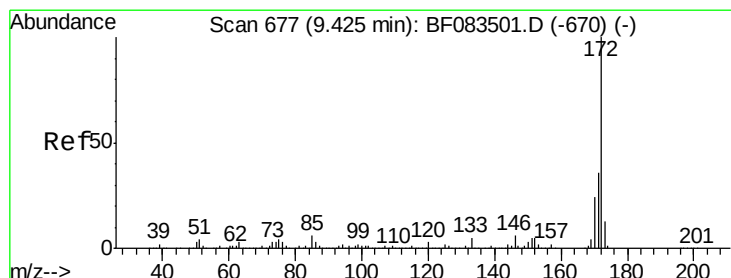
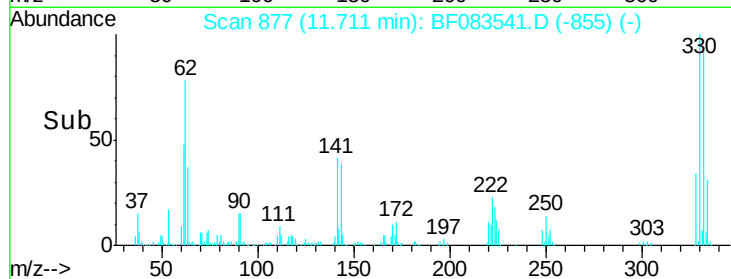
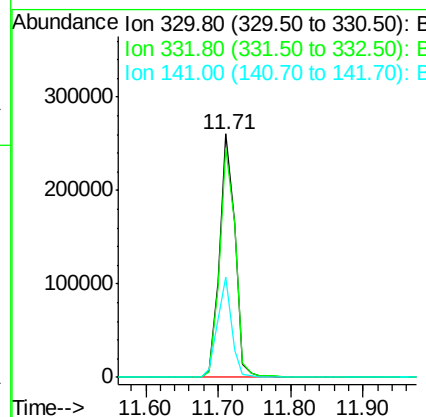
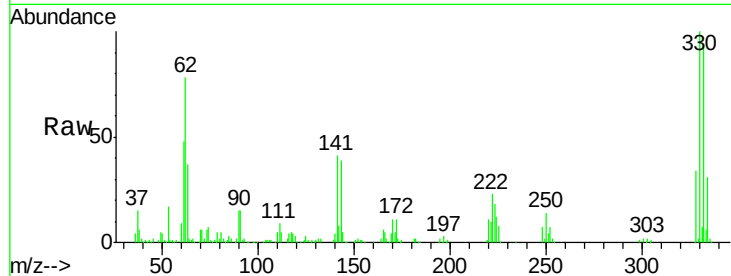
#41
 2,4,6-Tribromophenol
 Concen: 137.39 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Instrument :
 BNA_F
 ClientSampleId :
 S15-15

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	38.3	0.0	0.0#

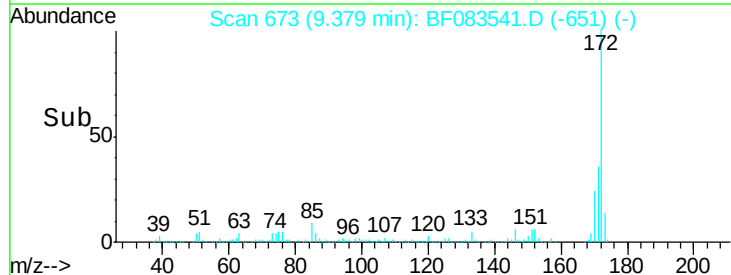
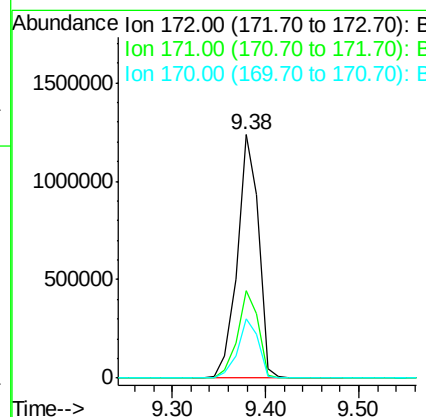
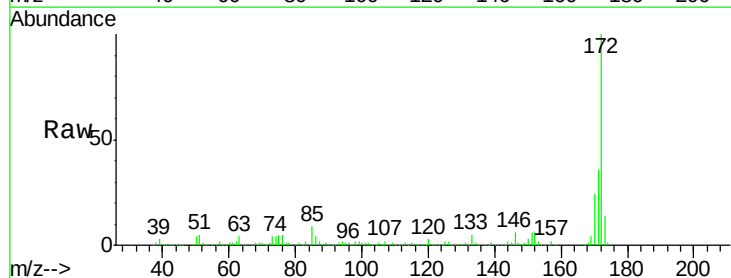
Manual Integrations
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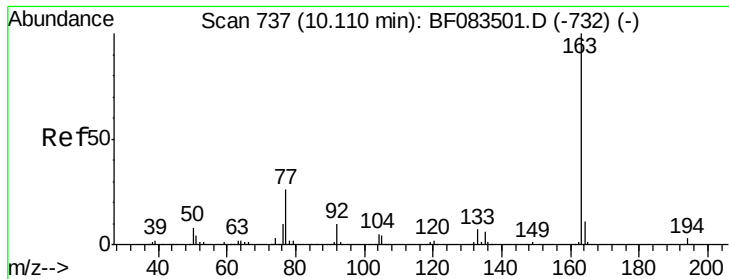
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#44
 2-Fluorobiphenyl
 Concen: 87.52 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.1	28.6	42.8
170	24.2	19.4	29.0





#49

Dimethylphthalate

Concen: 25.25 ng

RT: 10.06 min Scan# 733

Delta R.T. -0.05 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_F

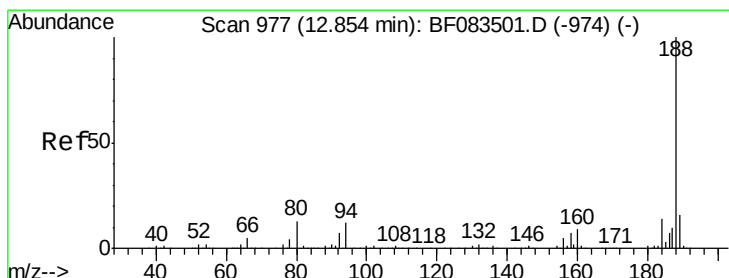
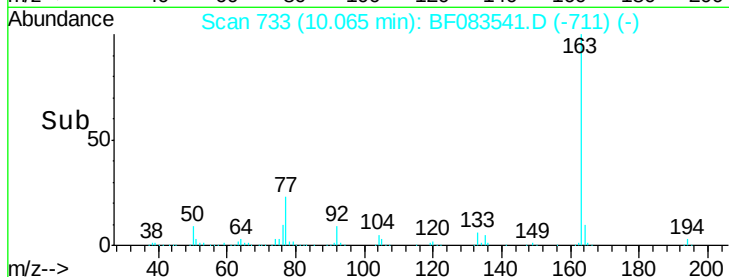
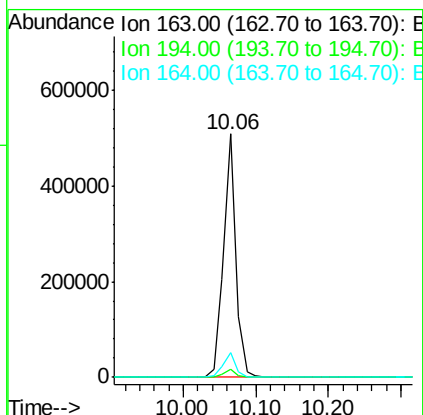
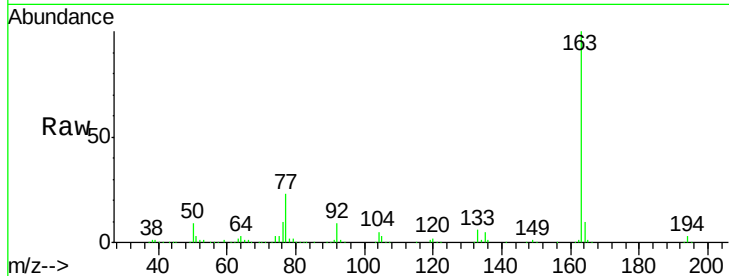
ClientSampleId :

S15-15

Tot Ion:	163	Resp:	603746
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.8	4.2
164	10.0	8.6	13.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

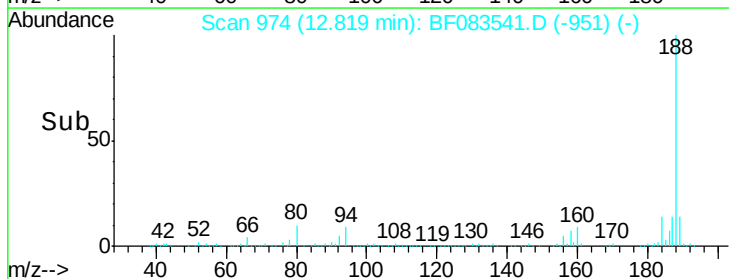
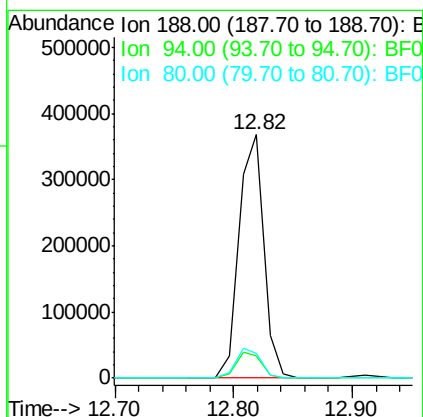
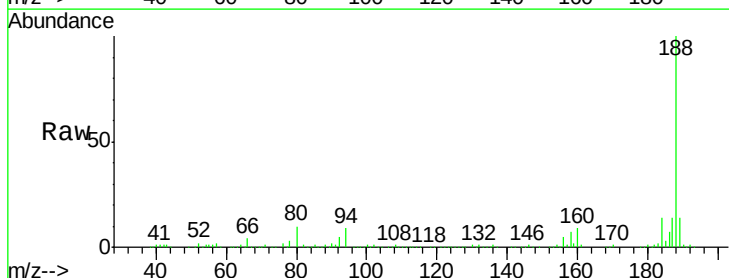
RT: 12.82 min Scan# 974

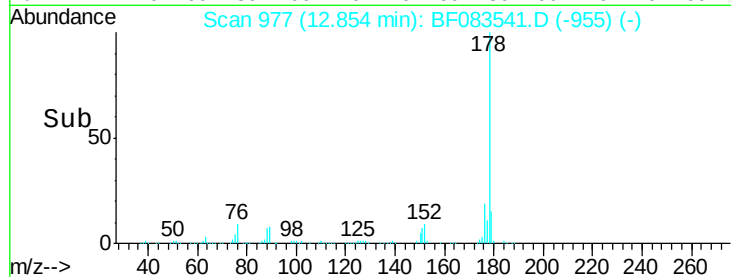
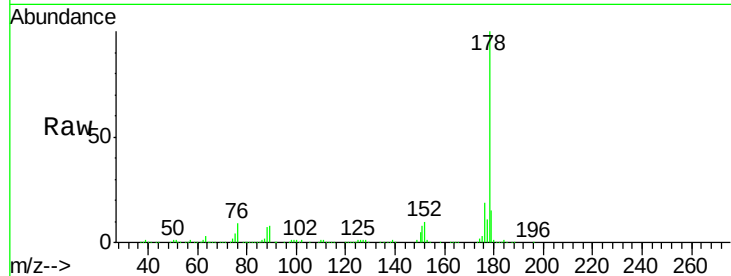
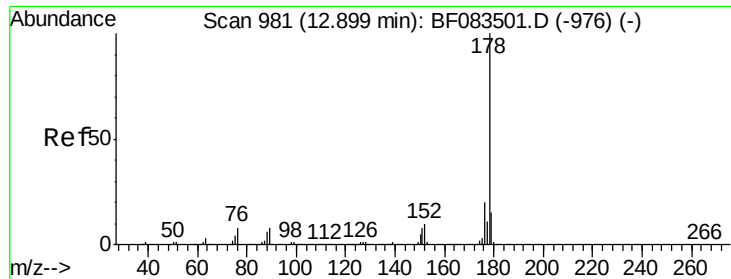
Delta R.T. -0.03 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Tgt Ion:	188	Resp:	538327
Ion Ratio	Lower	Upper	
188	100		
94	9.0	9.4	14.2#
80	9.9	10.6	16.0#





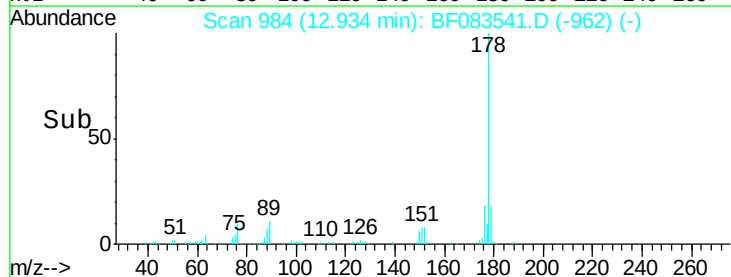
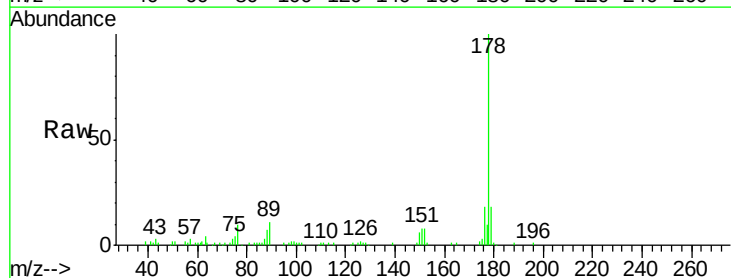
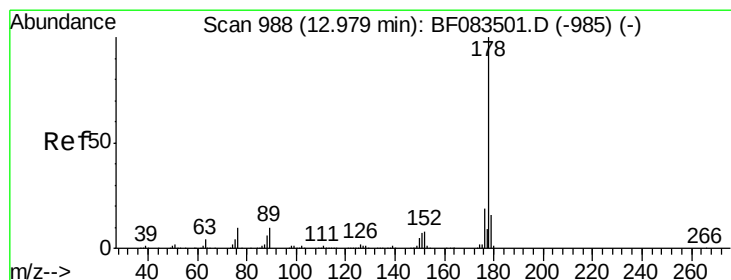
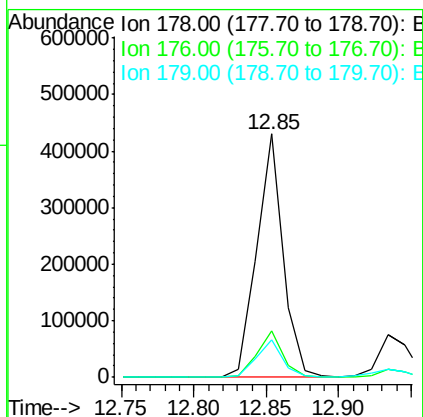
#70
Phenanthrene
Concen: 17.33 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.4	12.2	18.4

Instrument :
BNA_F
ClientSampleId :
S15-15

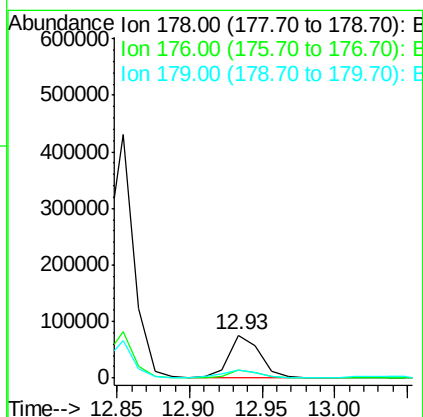
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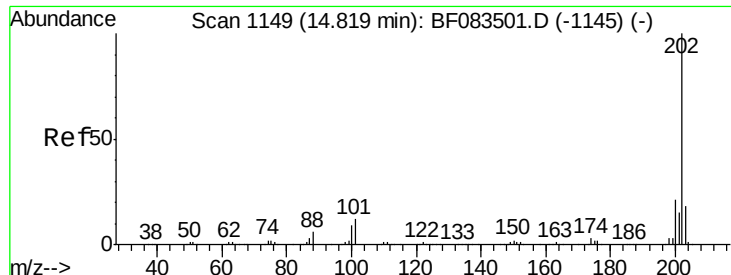
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12/7/2015 6:33:29 PM



#71
Anthracene
Concen: 3.51 ng
RT: 12.93 min Scan# 984
Delta R.T. -0.05 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.2	22.8
179	18.0	12.6	18.8





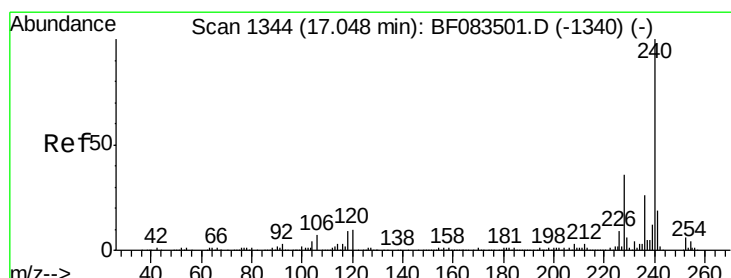
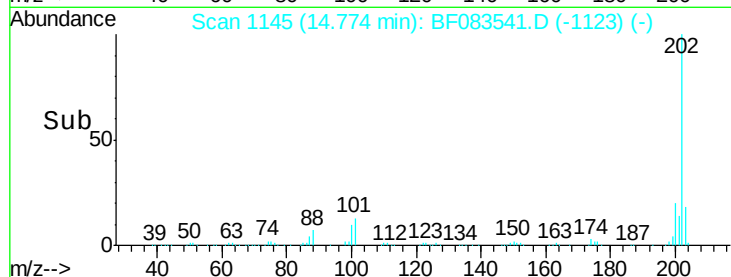
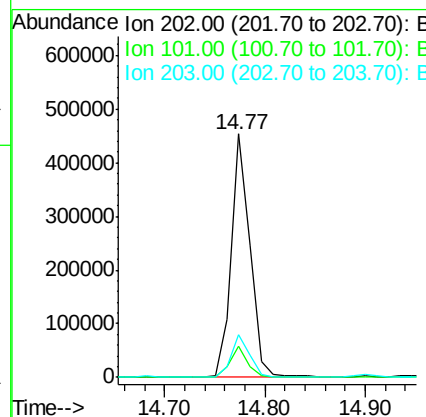
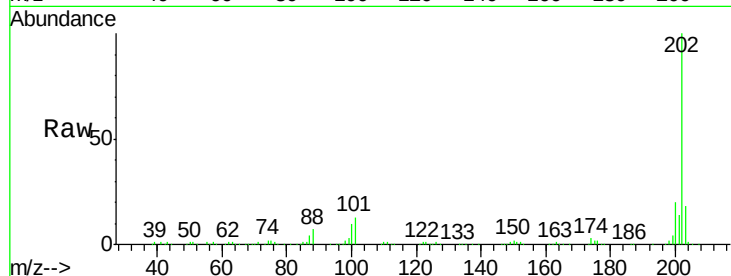
#74
 Fluoranthene
 Concen: 18.94 ng
 RT: 14.77 min Scan# 1145
 Delta R.T. -0.05 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Instrument :
 BNA_F
 ClientSampleId :
 S15-15

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	31.5
203	17.6	0.0	37.6

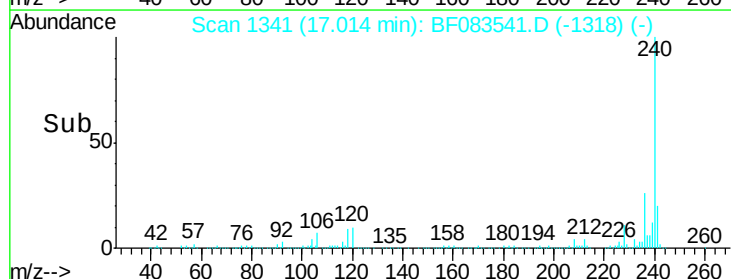
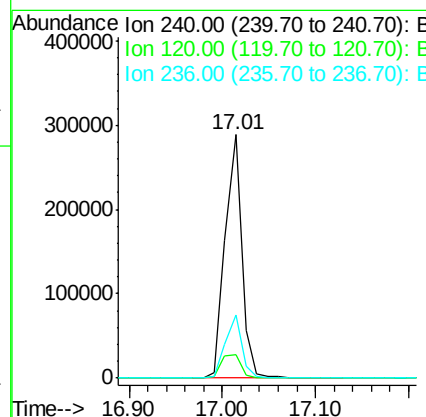
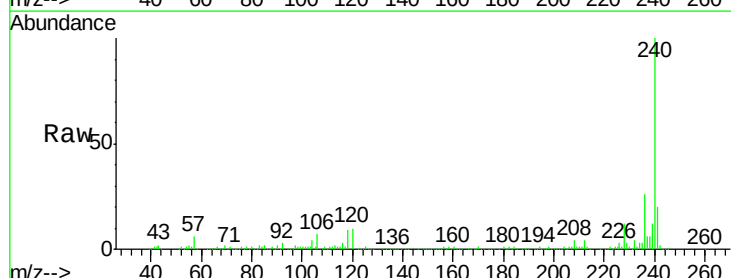
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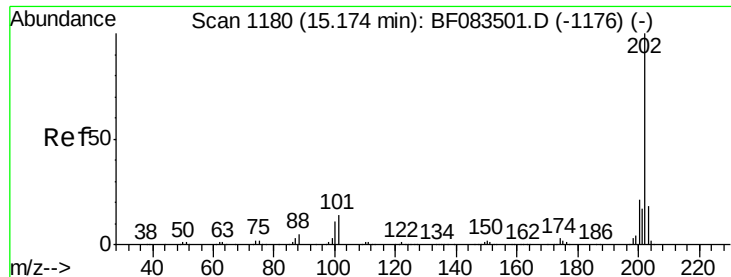
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.01 min Scan# 1341
 Delta R.T. -0.03 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	8.1	12.1
236	25.8	20.8	31.2





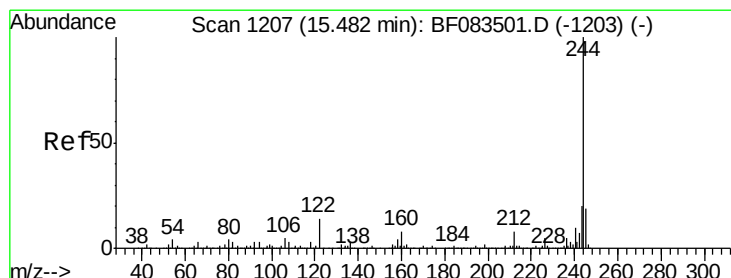
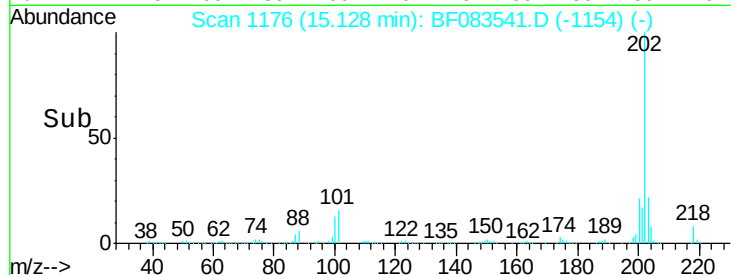
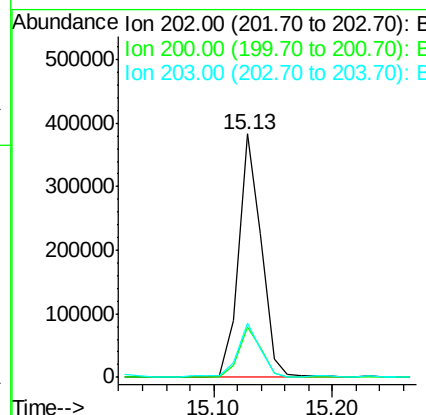
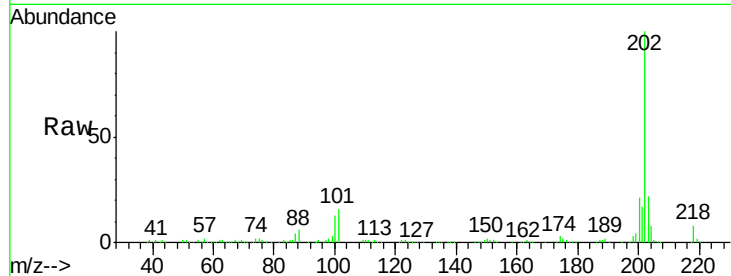
#77
Pvrene
Concen: 18.64 ng
RT: 15.13 min Scan# 1176
Delta R.T. -0.05 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Instrument :
BNA_F
ClientSampled :
S15-15

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	16.7	25.1
203	22.3	14.3	21.5#

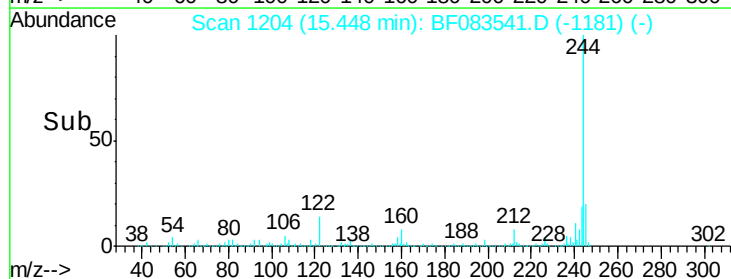
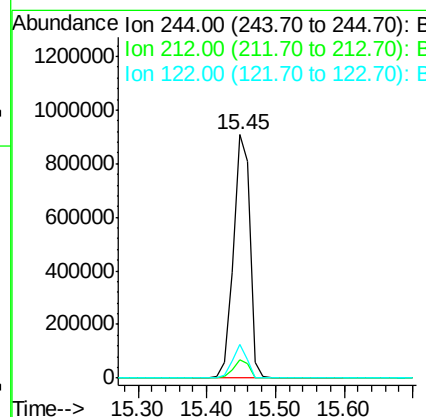
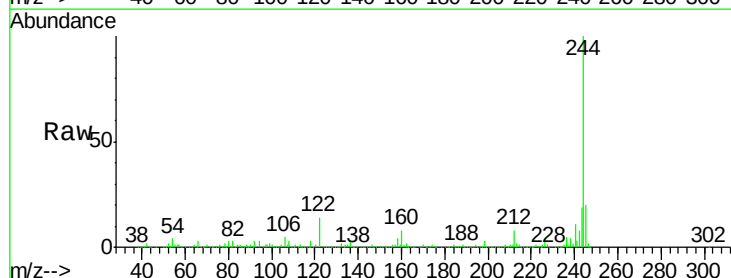
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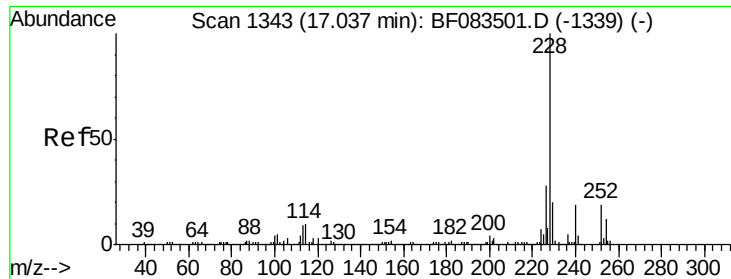
Mmdadoda
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#78
Terphenyl-d14
Concen: 94.63 ng
RT: 15.45 min Scan# 1204
Delta R.T. -0.03 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	6.1	9.1
122	14.0	11.0	16.6





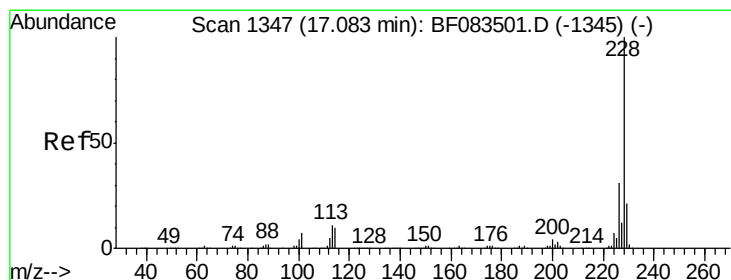
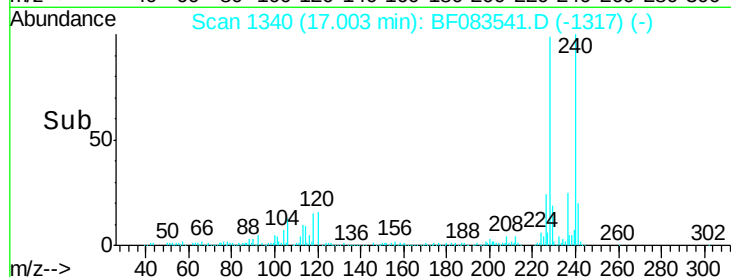
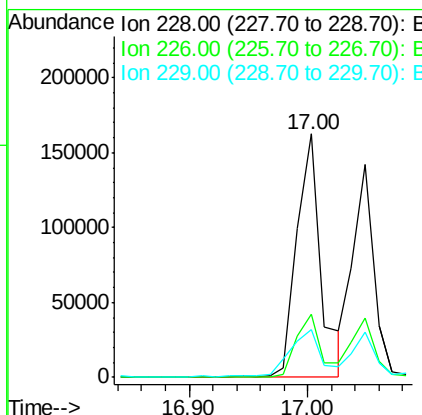
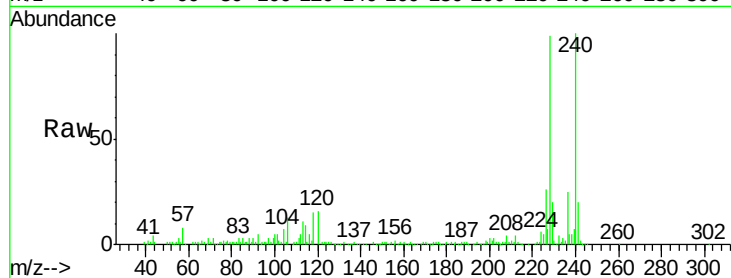
#80
Benzo(a)anthracene
Concen: 10.90 ng
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Instrument :
BNA_F
ClientSampleId :
S15-15

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.3	33.5
229	19.7	15.7	23.5

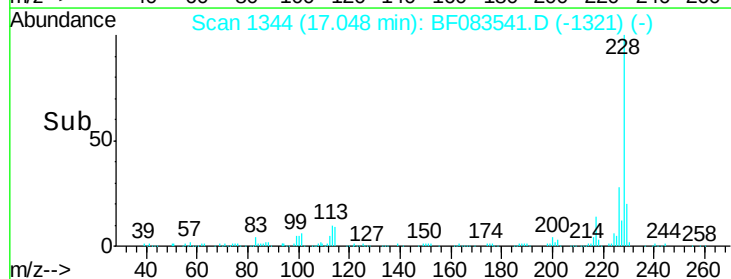
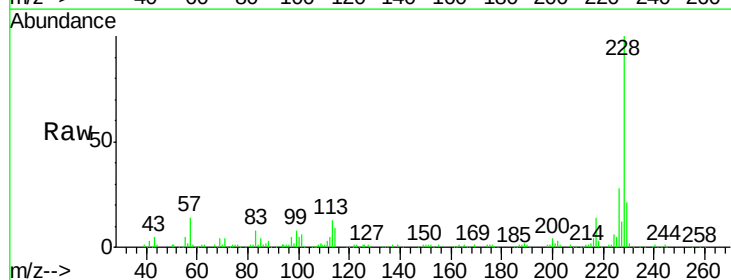
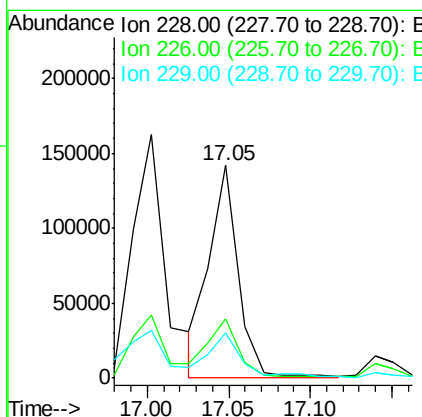
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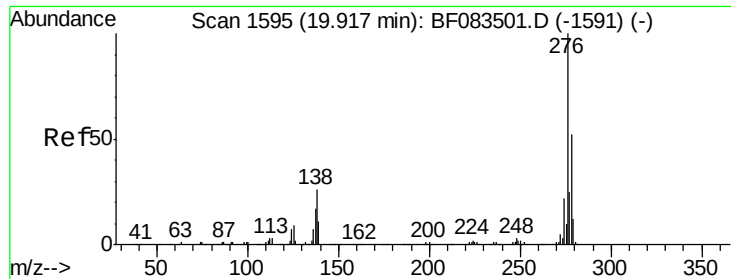
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#82
Chrysene
Concen: 8.32 ng
RT: 17.05 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.7	37.1
229	21.0	16.3	24.5





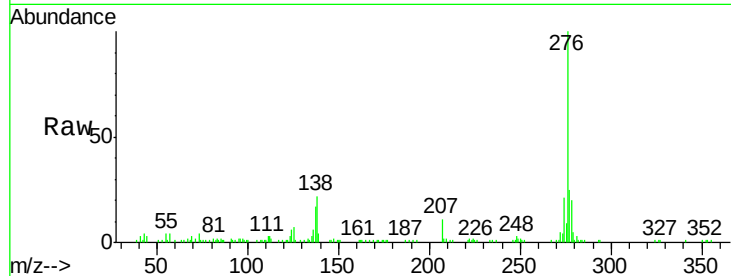
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.91 ng
 RT: 19.88 min Scan# 1592
 Delta R.T. -0.03 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Instrument :
 BNA_F
 ClientSampleId :
 S15-15

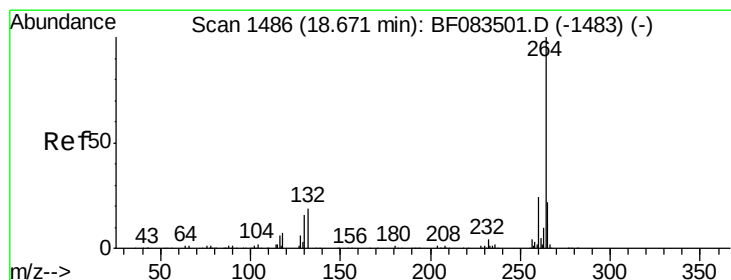
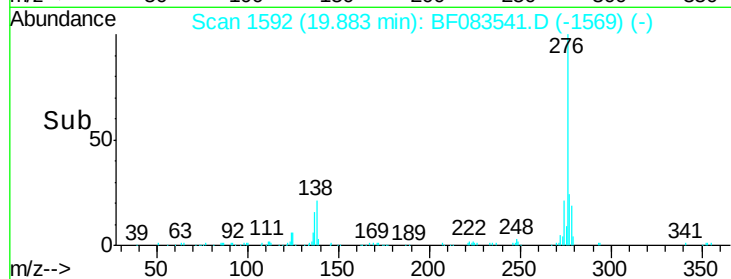
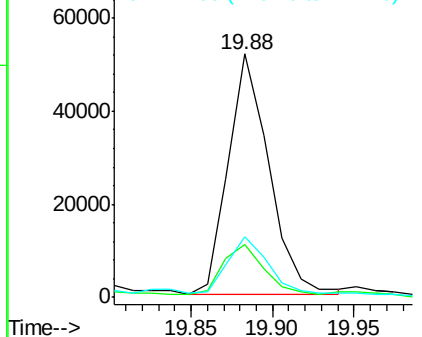
Tot Ion:	276	Resp:	88920
Ion Ratio	Lower	Upper	
276	100		
138	21.4	0.0	0.0#
277	25.4	0.0	0.0#

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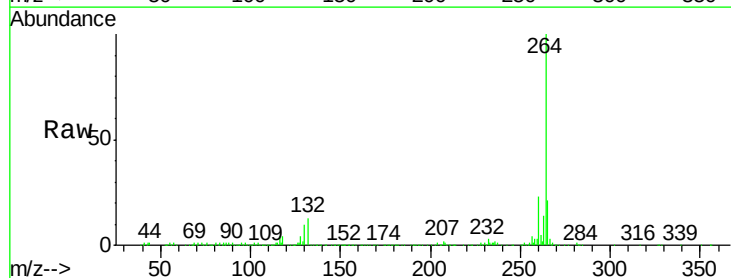


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

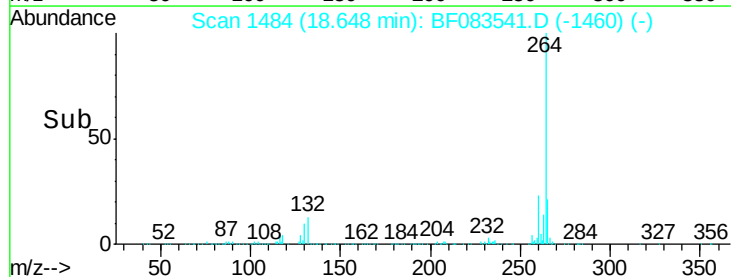
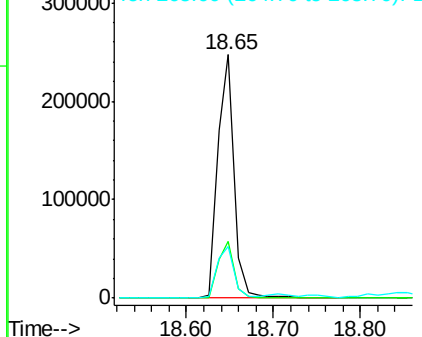


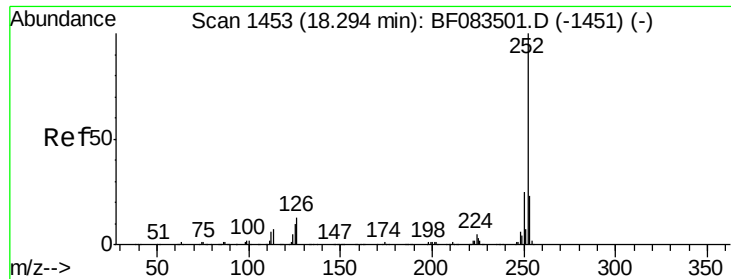
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.65 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: BF083541.D
 Acq: 7 Dec 2015 3:47

Tgt Ion:	264	Resp:	328041
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.4	29.0
265	21.0	17.8	26.6



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





#87

Benzo(b)fluoranthene

Concen: 11.32 ng m

RT: 18.27 min Scan# 1451

Delta R.T. -0.02 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Instrument :

BNA_F

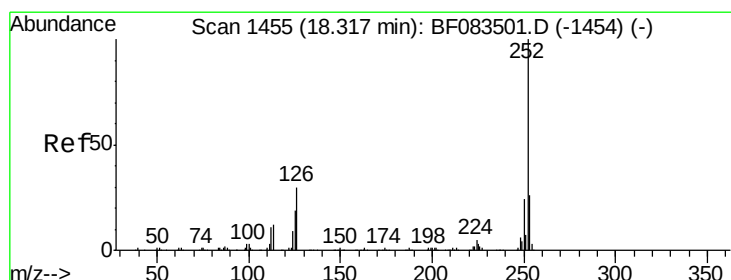
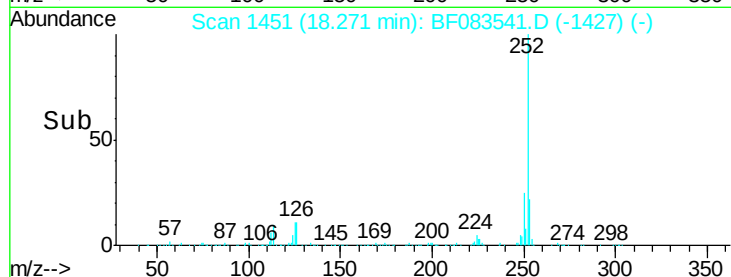
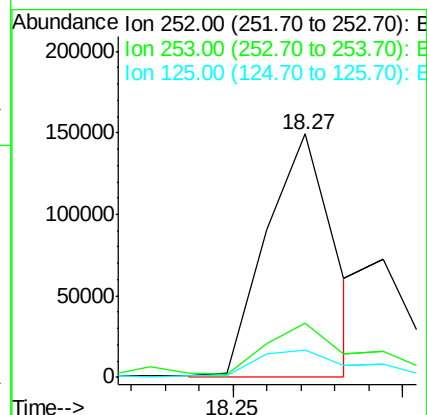
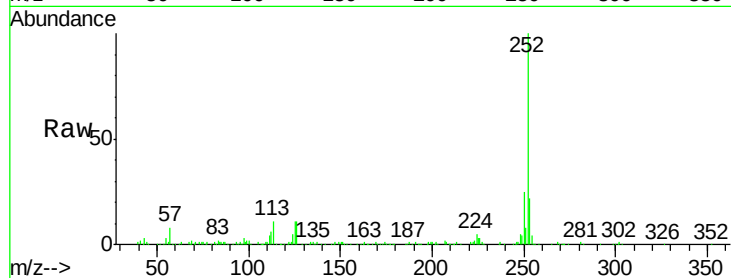
ClientSampleId :

S15-15

Tot Ion	Ratio	Resp	Lower	Upper
252	100	208524		
253	22.2	18.2	27.4	
125	11.1	8.2	12.4	

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.82 ng m

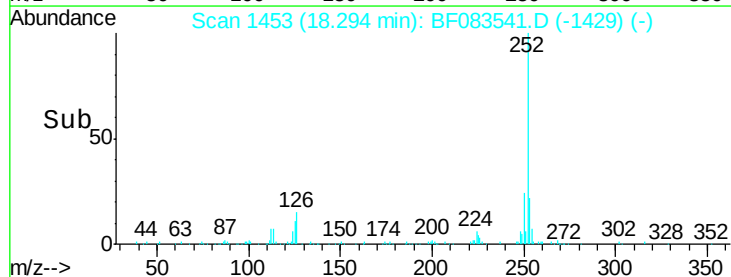
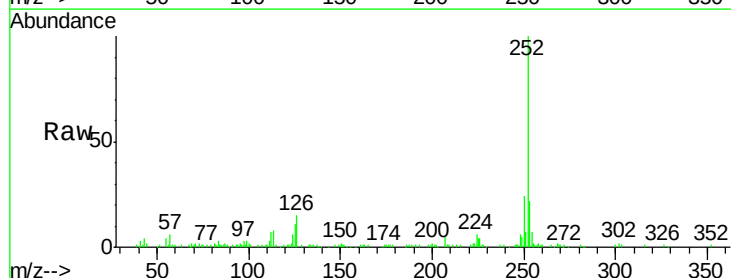
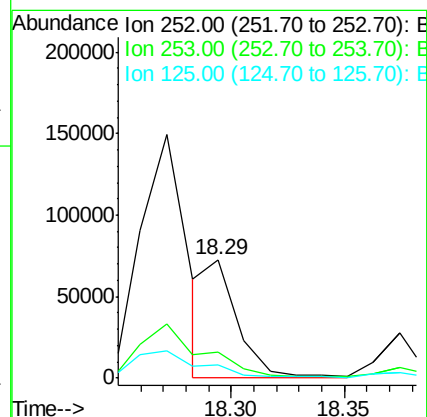
RT: 18.29 min Scan# 1453

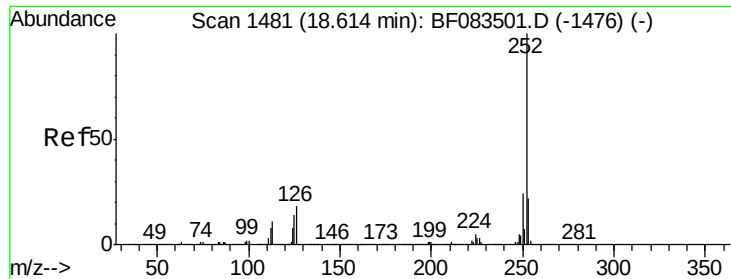
Delta R.T. -0.02 min

Lab File: BF083541.D

Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	72037		
253	22.4	18.6	27.8	
125	11.3	11.5	17.3#	





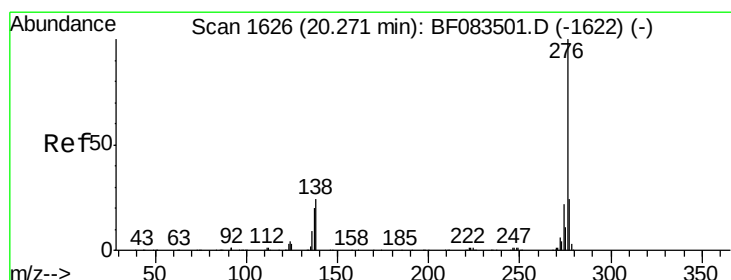
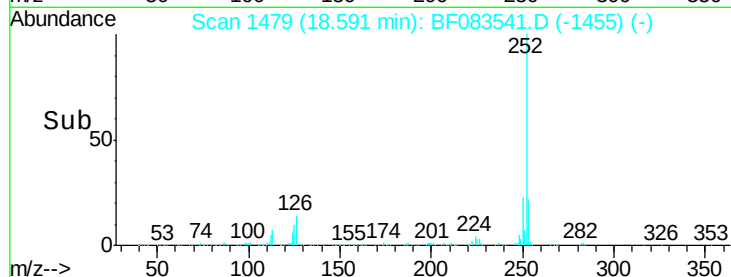
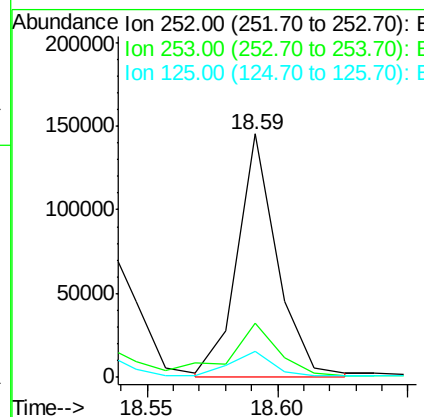
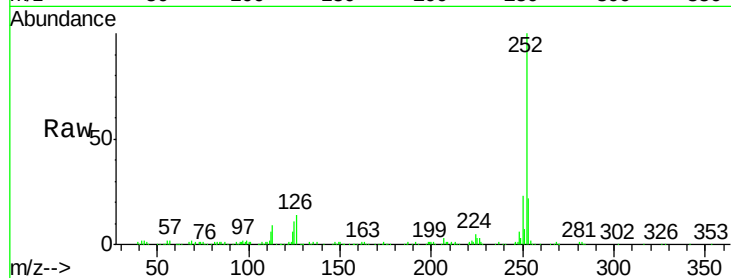
#89
Benzo(a)pyrene
Concen: 8.70 ng/ml
RT: 18.59 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Instrument :
BNA_F
ClientSampleId :
S15-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.6	11.0	16.6

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#91
Benzo(g,h,i)perylene
Concen: 5.12 ng/ml
RT: 20.24 min Scan# 1623
Delta R.T. -0.03 min
Lab File: BF083541.D
Acq: 7 Dec 2015 3:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	22.6	19.5	29.3

