

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083262.D
 Acq On : 25 Nov 2015 3:33
 Operator : UM/IZ
 Sample : G4440-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S1

Manual Integrations
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Mmdadoda
 11/25/2015 12:54:50 PM

Quant Time: Nov 25 05:50:20 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	203617	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	772340	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	368843	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	601583	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	473504	20.00	ng	-0.06
86) Perylene-d12	15.11	264	477668	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	265668	19.73	ng	-0.08
7) Phenol-d6	6.27	99	360908	20.71	ng	-0.07
23) Nitrobenzene-d5	7.18	82	228812	13.54	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	68821	18.24	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	338090	12.78	ng	-0.05
78) Terphenyl-d14	12.71	244	239067	11.89	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.38	163	68577	2.41	ng	# 99
70) Phenanthrene	11.14	178	385195	11.11	ng	99
71) Anthracene	11.20	178	95164	2.69	ng	96
74) Fluoranthene	12.33	202	804908	22.69	ng	95
77) Pyrene	12.55	202	602104	18.61	ng	97
80) Benzo(a)anthracene	13.74	228	278783	9.52	ng	99
82) Chrysene	13.77	228	341835m	12.59	ng	
83) Bis(2-ethylhexyl)phthalate	13.76	149	158408	7.92	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.34	276	169467	6.86	ng	96
87) Benzo(b)fluoranthene	14.74	252	422160m	12.93	ng	
88) Benzo(k)fluoranthene	14.75	252	138894m	5.71	ng	
89) Benzo(a)pyrene	15.05	252	258945	9.61	ng	# 93
91) Benzo(g,h,i)perylene	16.72	276	145791	6.10	ng	# 96

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

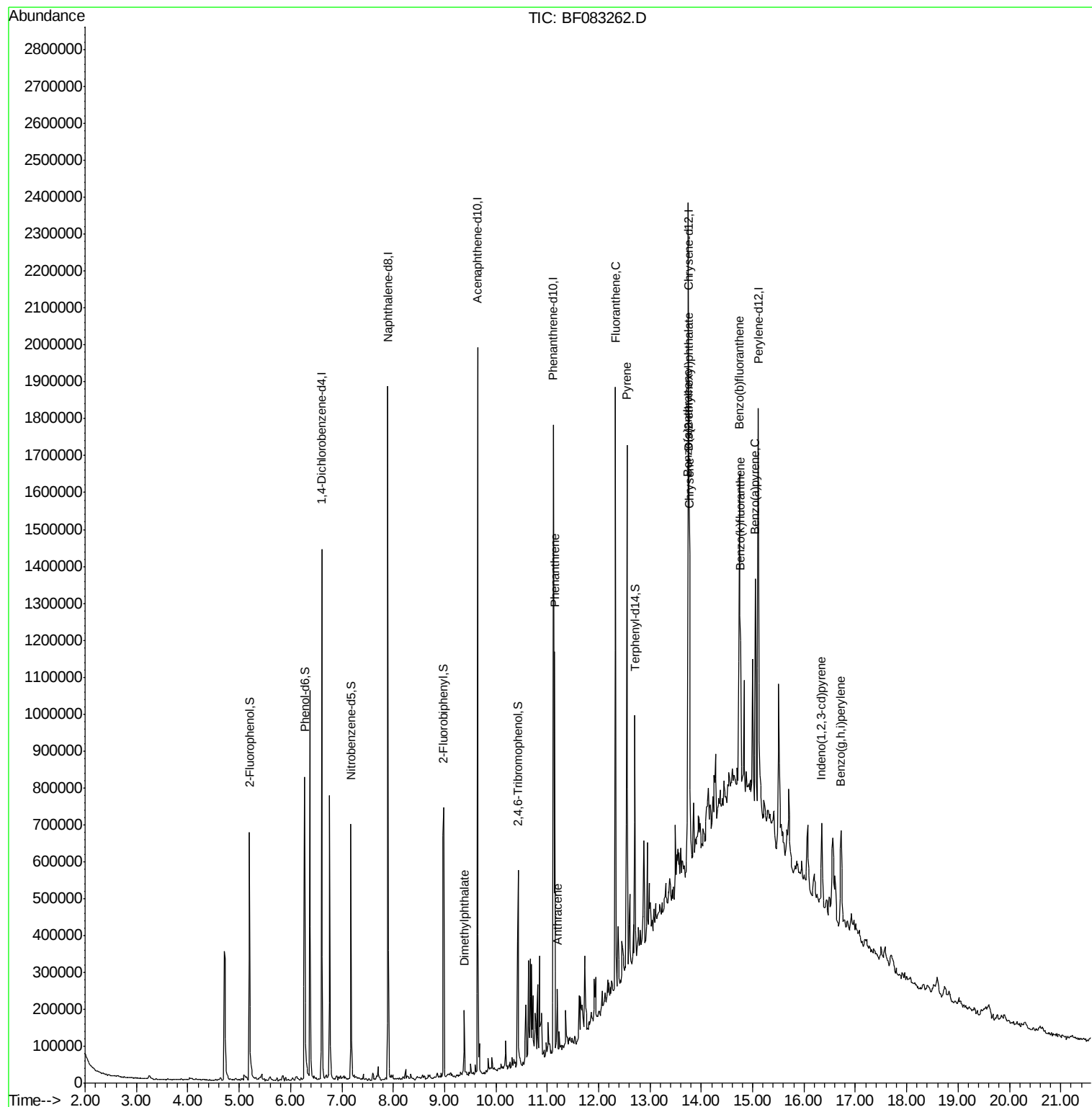
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
Data File : BF083262.D
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Manual Integrations
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Quant Time: Nov 25 05:50:20 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

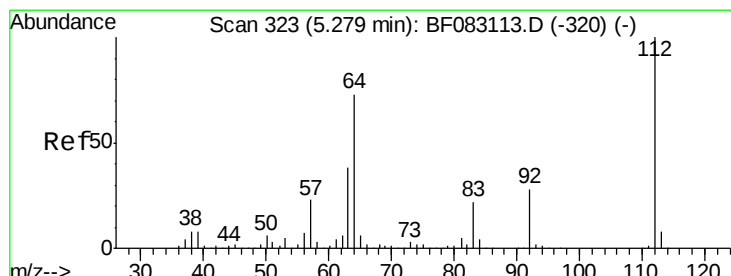
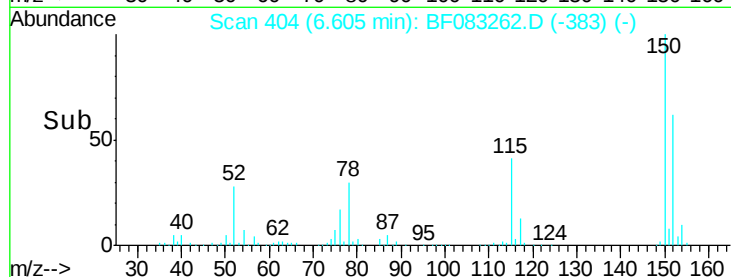
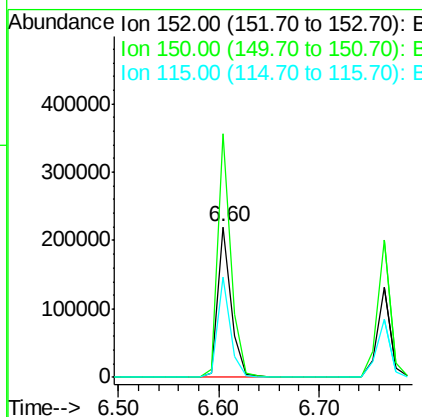
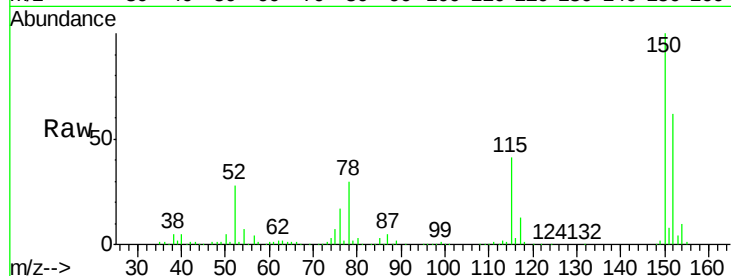
ClientSampleId :

V1S1

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Tgt Ion:	152	Resp:	203617
Ion Ratio	Lower	Upper	
152	100		
150	162.0	125.8	188.8
115	67.1	46.9	70.3



#5

2-Fluorophenol

Concen: 19.73 ng

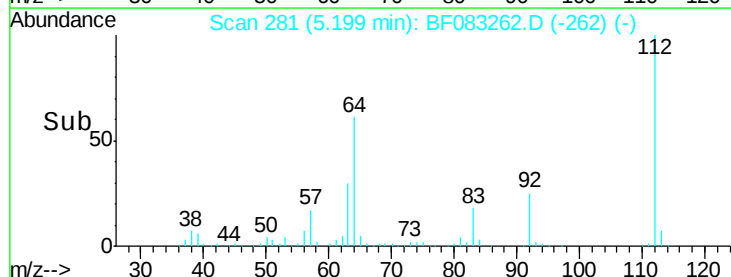
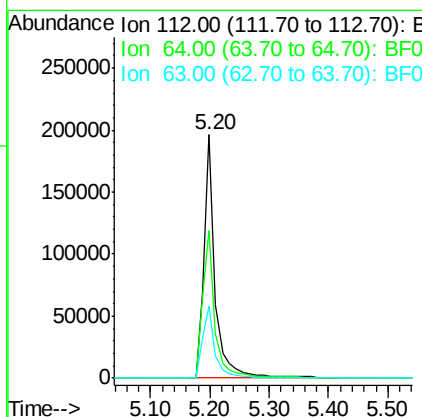
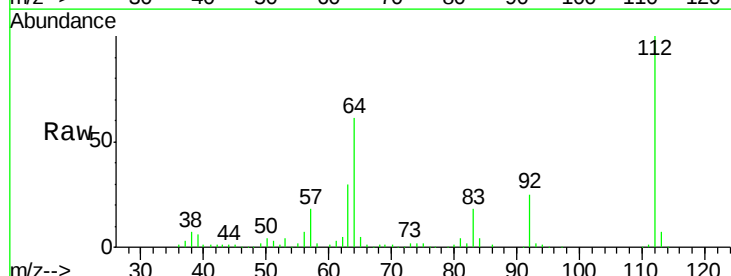
RT: 5.20 min Scan# 281

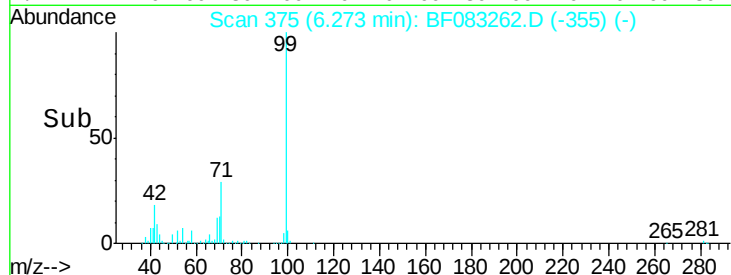
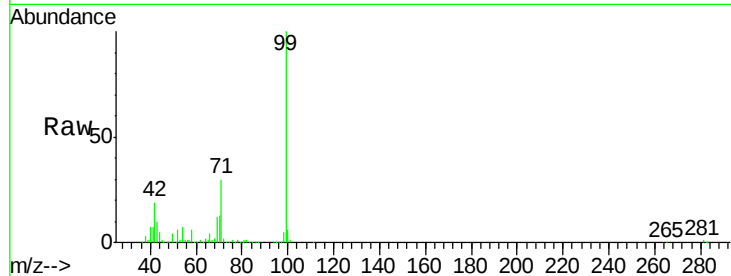
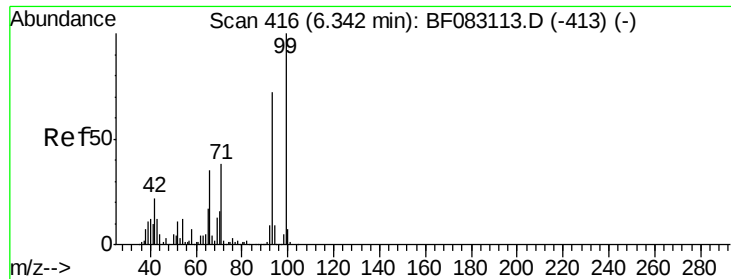
Delta R.T. -0.08 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Tgt Ion:	112	Resp:	265668
Ion Ratio	Lower	Upper	
112	100		
64	60.8	58.4	87.6
63	29.8	30.0	45.0#





#7

Phenol-d6

Concen: 20.71 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

ClientSampleId :

V1S1

Tgt Ion: 99 Resp: 360908

Ion Ratio Lower Upper

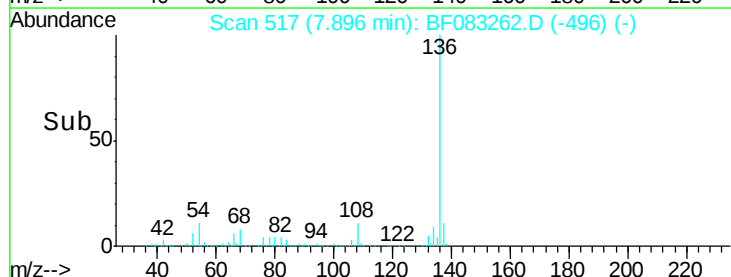
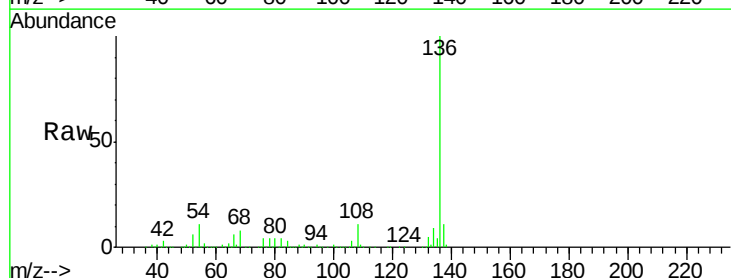
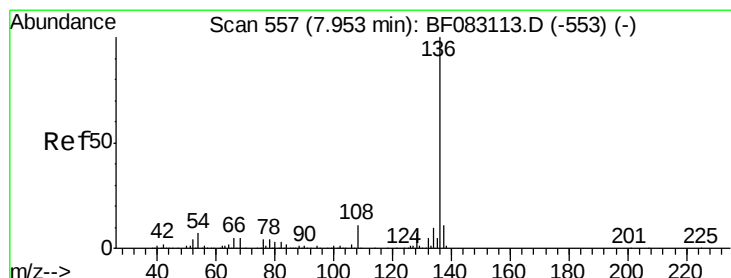
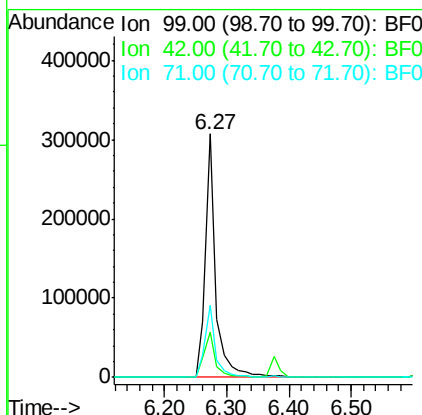
99 100

42 18.5 17.7 26.5

71 29.6 30.2 45.4#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Tgt Ion: 136 Resp: 772340

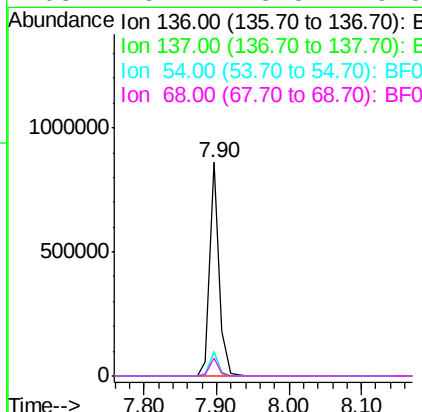
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.4 5.8 8.6#

68 8.2 3.8 5.8#





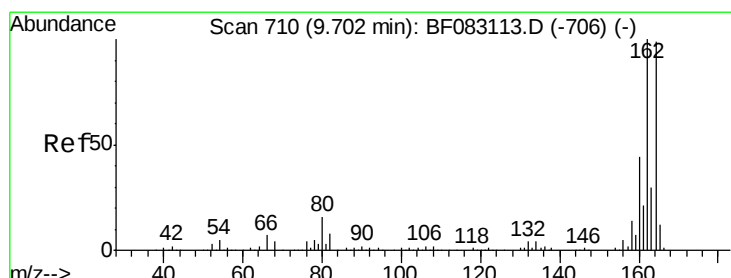
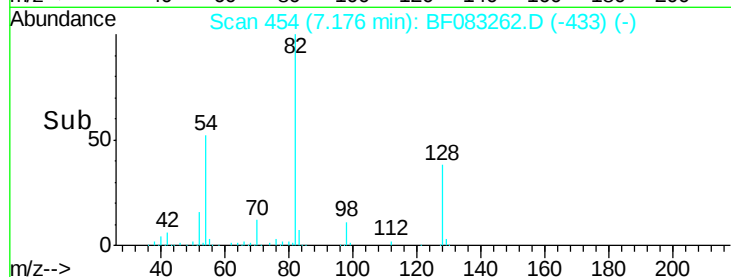
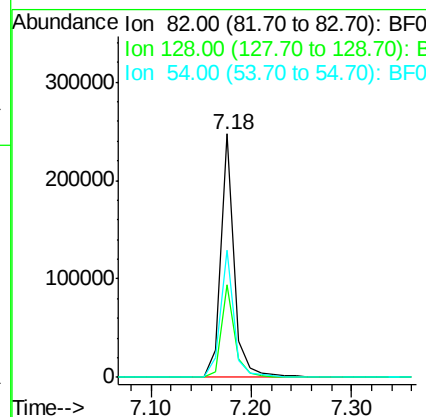
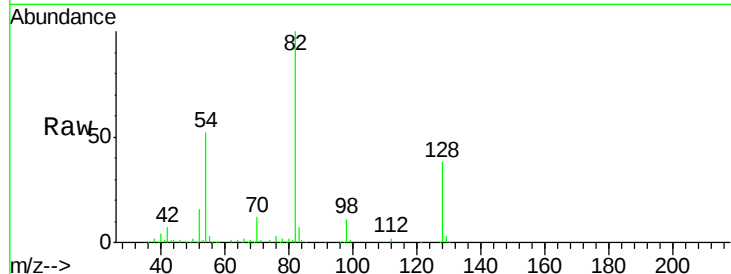
#23
Nitrobenzene-d5
Concen: 13.54 ng
RT: 7.18 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Instrument :
BNA_F
ClientSampleId :
V1S1

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	38.2	28.5	42.7
54	52.0	44.6	67.0

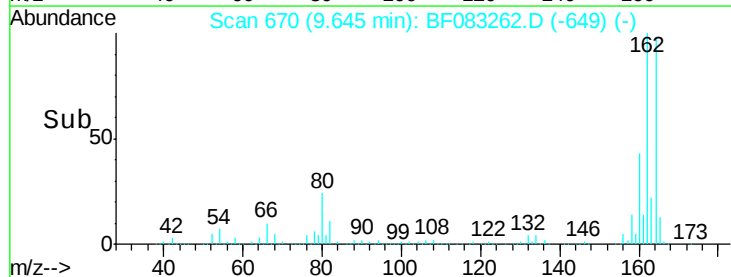
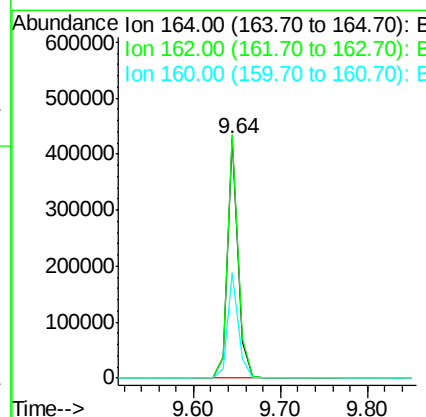
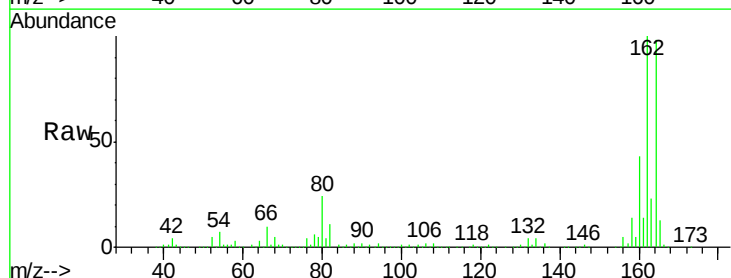
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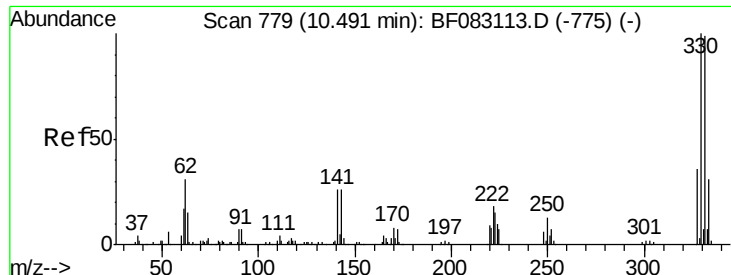
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	101.7	81.2	121.8
160	43.9	35.6	53.4





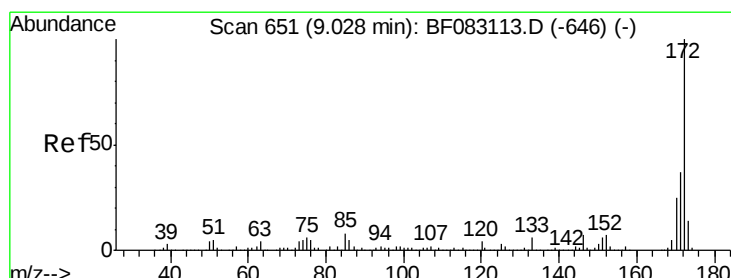
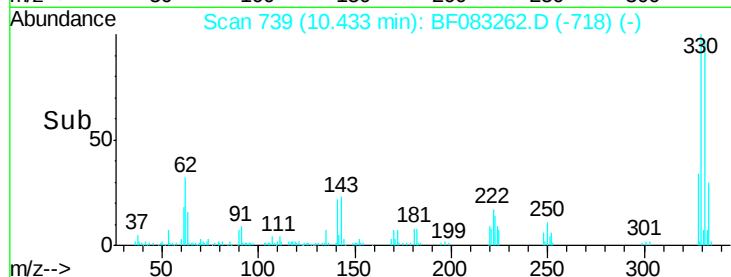
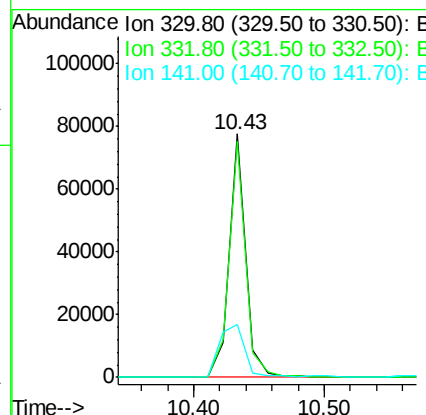
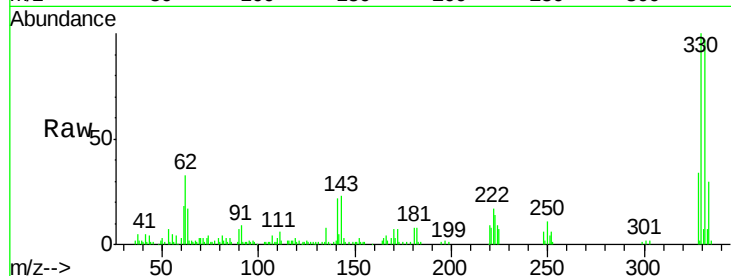
#41
 2,4,6-Tribromophenol
 Concen: 18.24 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.06 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Instrument :
 BNA_F
 ClientSampleId :
 V1S1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	68821		
332	97.8	77.7	116.5	
141	35.4	29.7	44.5	

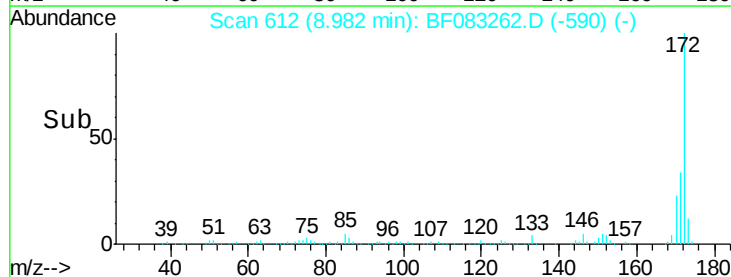
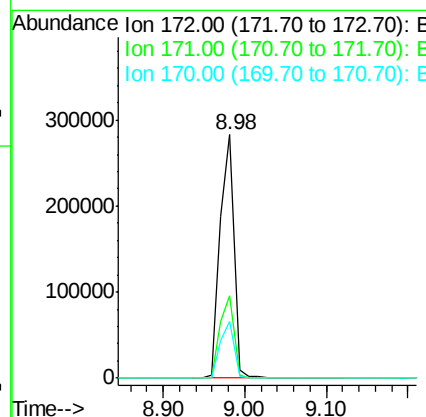
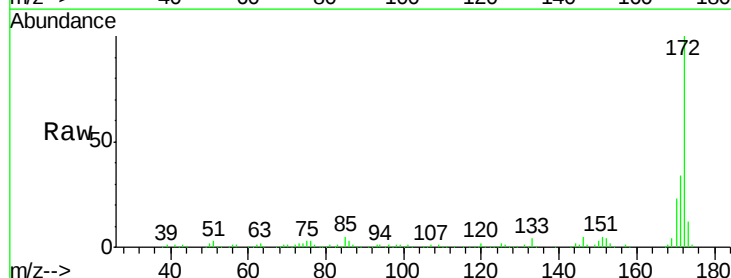
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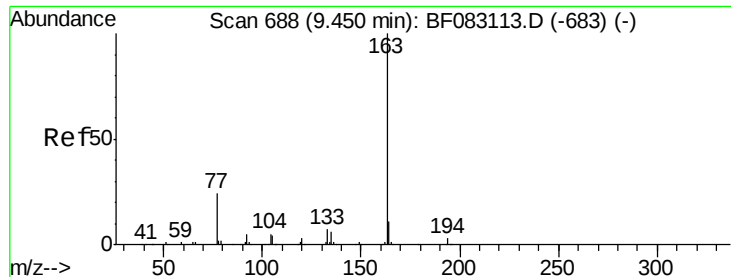
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#44
 2-Fluorobiphenyl
 Concen: 12.78 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	338090		
171	33.7	29.5	44.3	
170	23.2	19.9	29.9	





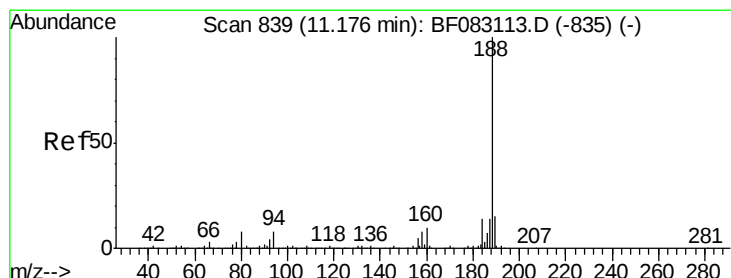
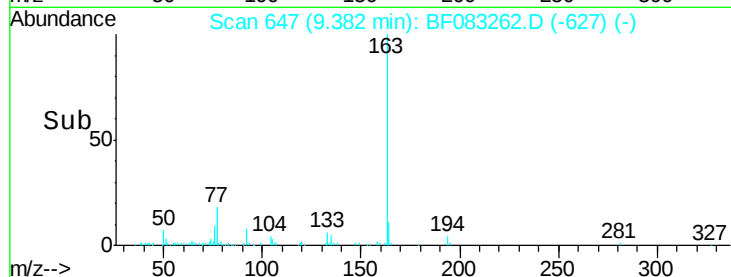
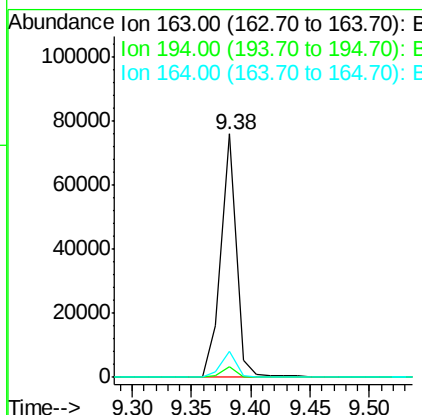
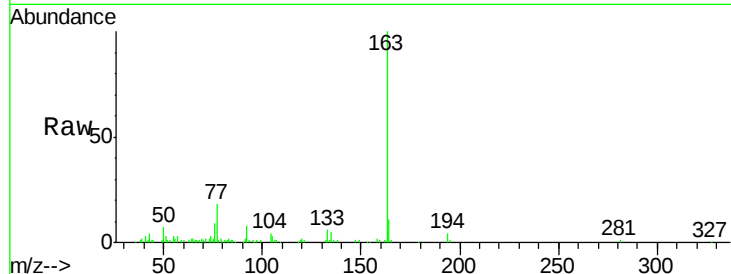
#49
Dimethylphthalate
Concen: 2.41 ng
RT: 9.38 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Instrument :
BNA_F
ClientSampleId :
V1S1

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.2	2.6	4.0#
164	10.8	8.6	12.8

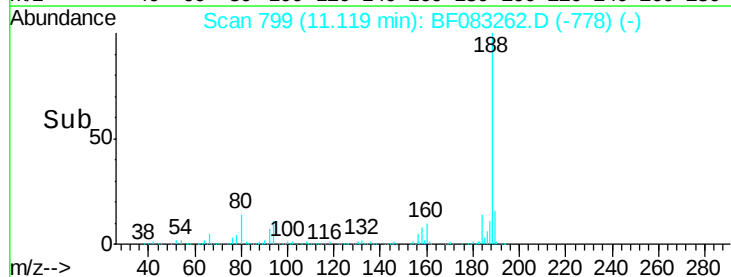
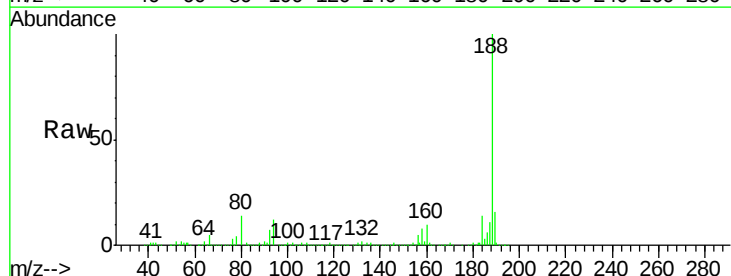
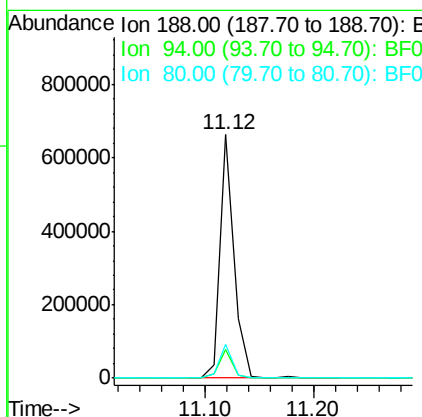
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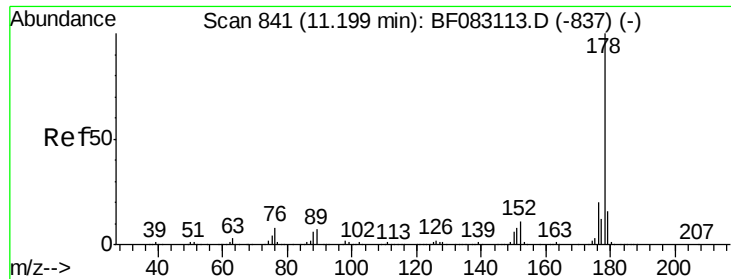
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.6	6.0	9.0#
80	13.7	6.7	10.1#





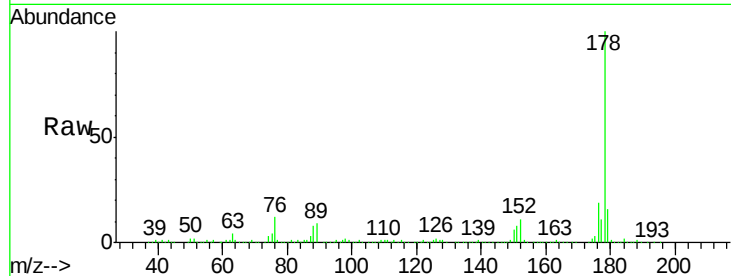
#70
Phenanthrene
Concen: 11.11 ng
RT: 11.14 min Scan# 801
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Instrument :
BNA_F
ClientSampleId :
V1S1

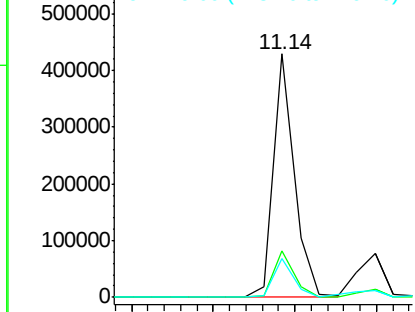
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	16.1	12.8	19.2

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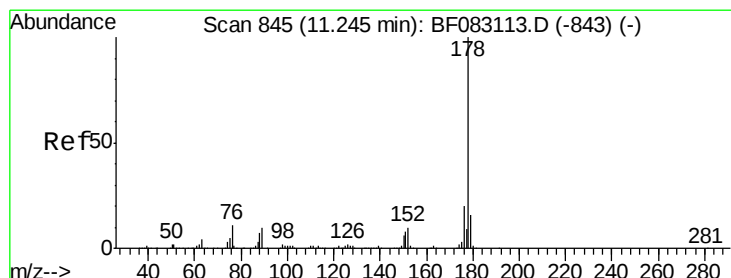
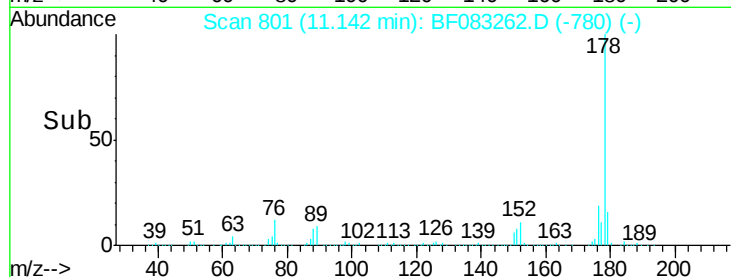
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



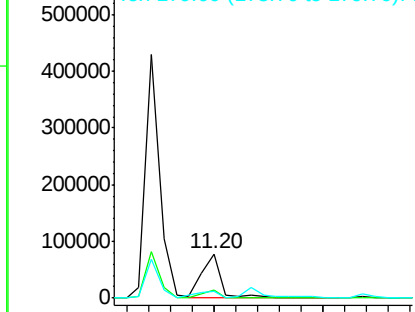
Time-->



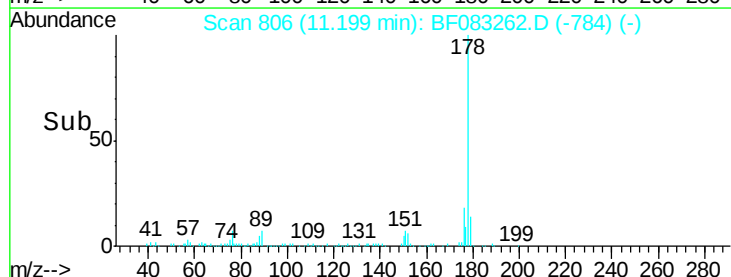
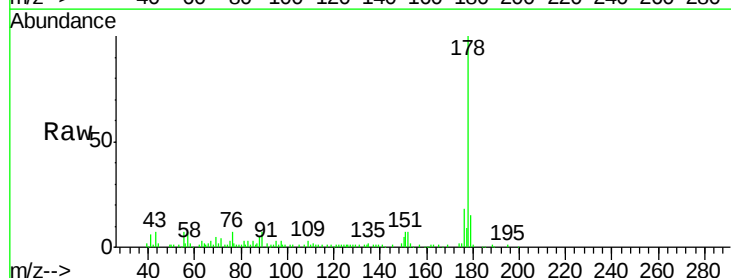
#71
Anthracene
Concen: 2.69 ng
RT: 11.20 min Scan# 806
Delta R.T. -0.05 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

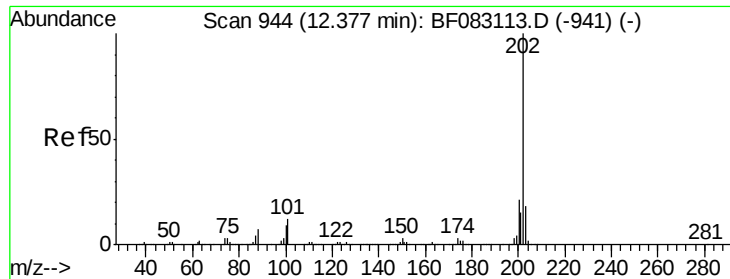
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	14.7	13.2	19.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 22.69 ng

RT: 12.33 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

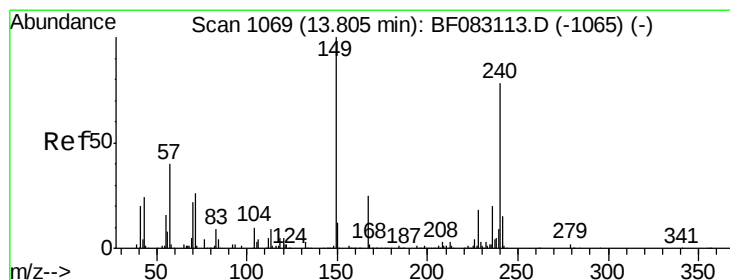
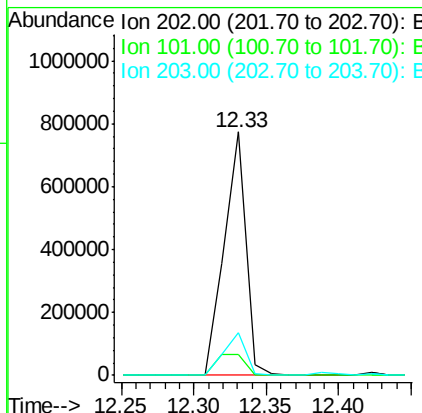
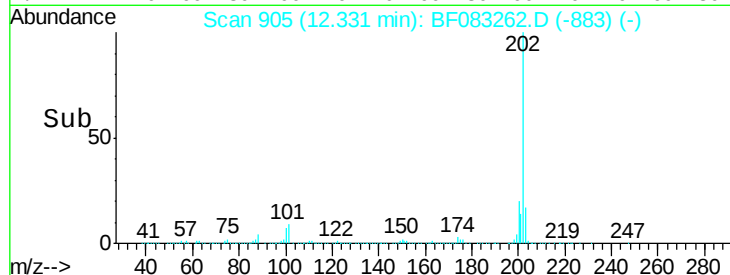
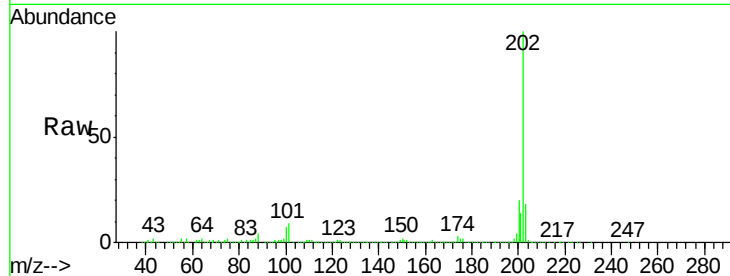
ClientSampleId :

V1S1

Tgt	Ion:202	Resp:	804908
Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	32.3
203	17.5	0.0	38.4

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#75

Chrysene-d12

Concen: 20.00 ng

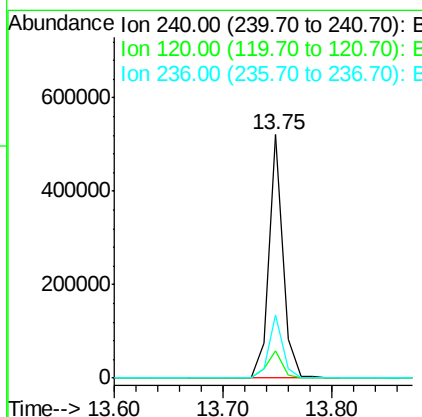
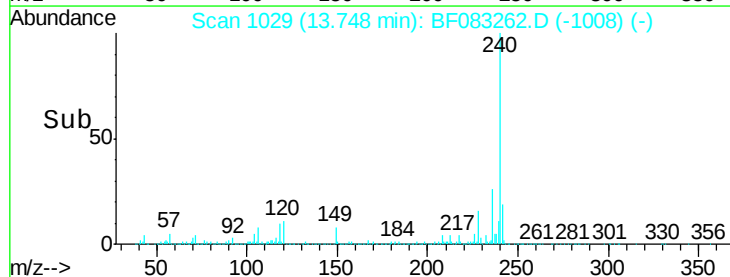
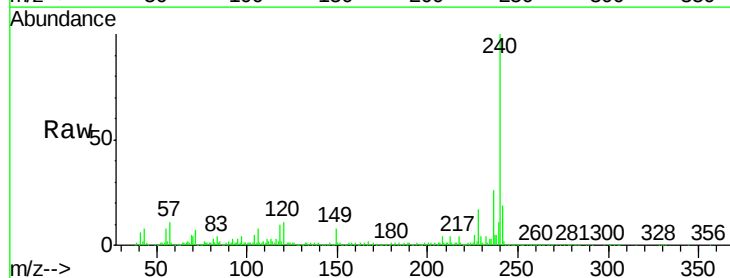
RT: 13.75 min Scan# 1029

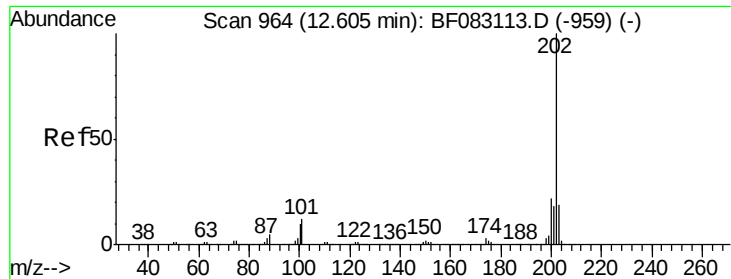
Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Tgt	Ion:240	Resp:	473504
Ion	Ratio	Lower	Upper
240	100		
120	11.0	5.4	8.2#
236	26.0	20.6	31.0





#77

Pyrene

Concen: 18.61 ng

RT: 12.55 min Scan# 924

Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

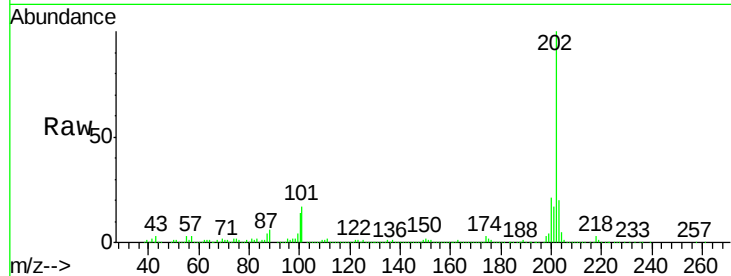
ClientSampleId :

V1S1

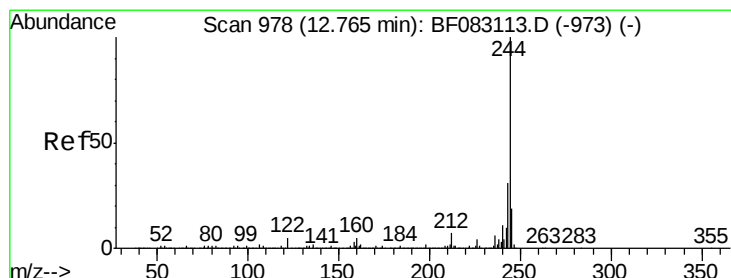
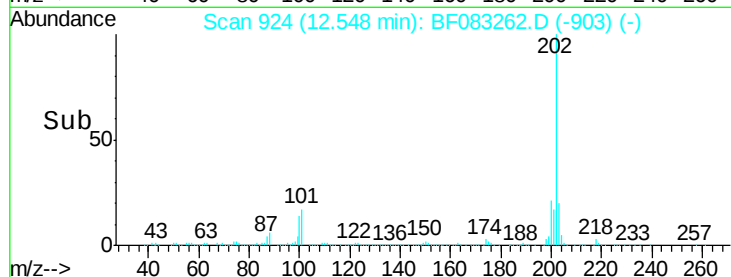
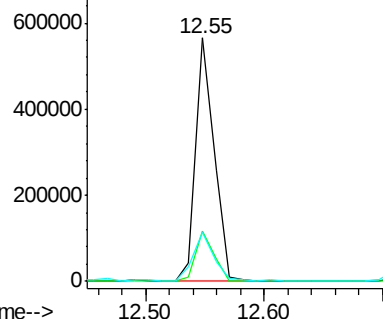
Tgt	Ion:202	Resp:	602104
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	20.2	15.0	22.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 11.89 ng

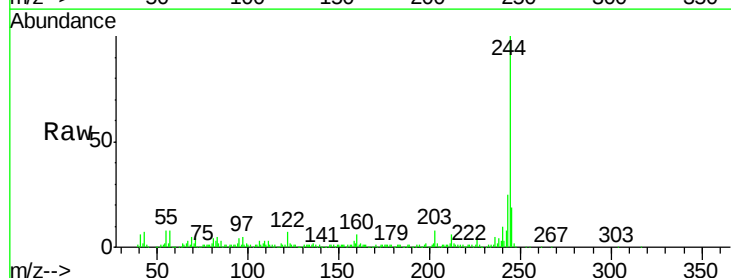
RT: 12.71 min Scan# 938

Delta R.T. -0.06 min

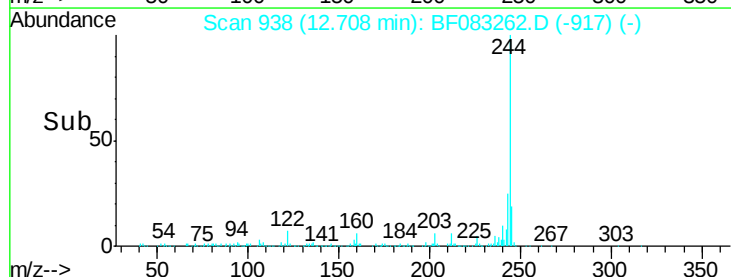
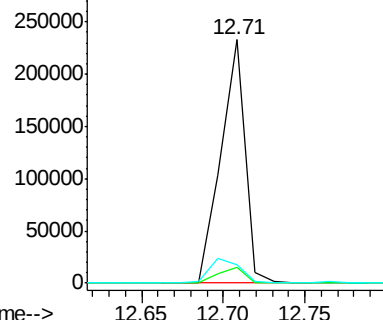
Lab File: BF083262.D

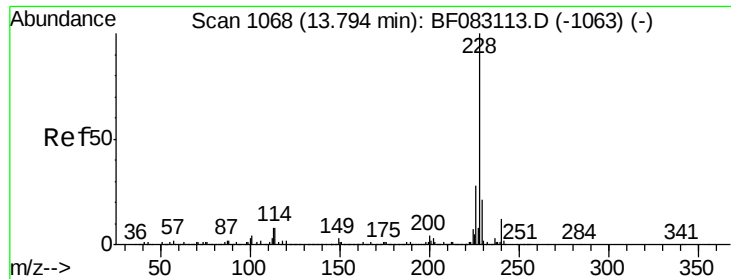
Acq: 25 Nov 2015 3:33

Tgt	Ion:244	Resp:	239067
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	7.5	4.3	6.5#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





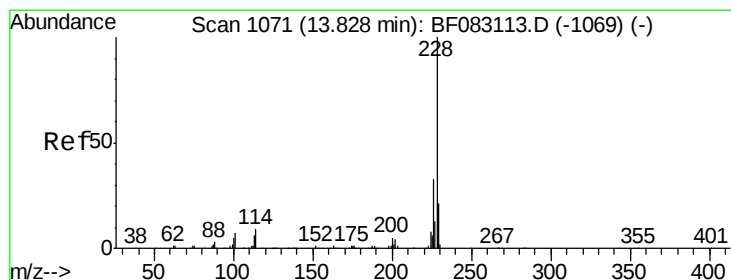
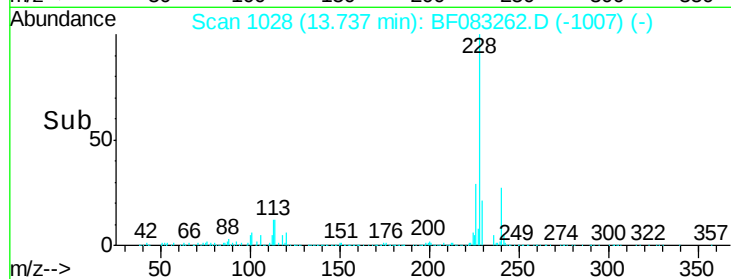
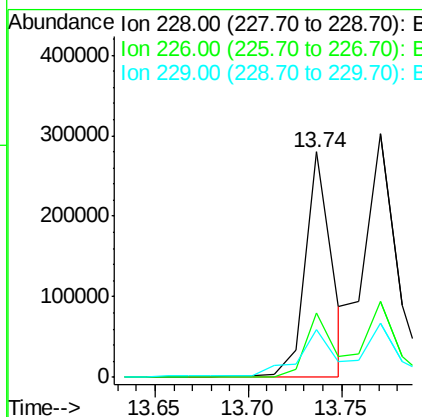
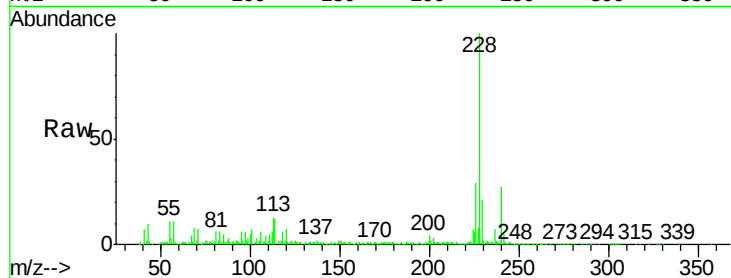
#80
Benzo(a)anthracene
Concen: 9.52 ng
RT: 13.74 min Scan# 1028
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Instrument :
BNA_F
ClientSampleId :
V1S1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.3	16.6	24.8

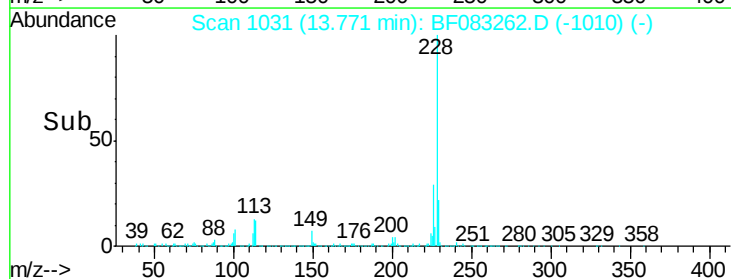
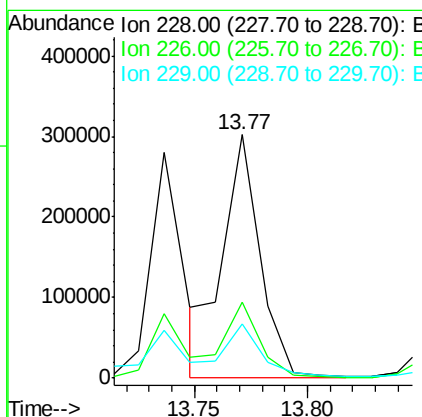
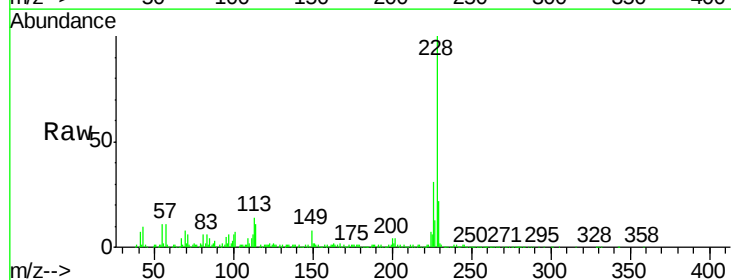
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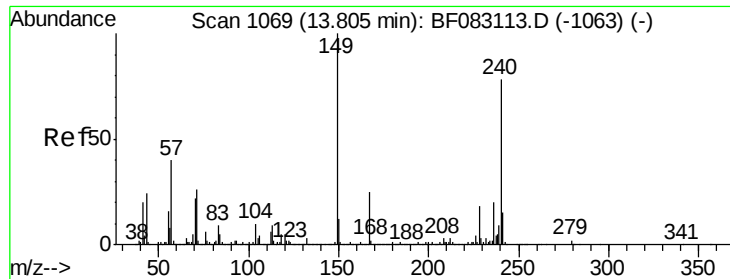
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#82
Chrysene
Concen: 12.59 ng m
RT: 13.77 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	22.4	16.6	25.0





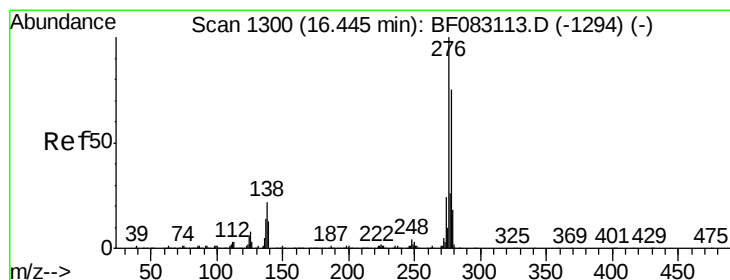
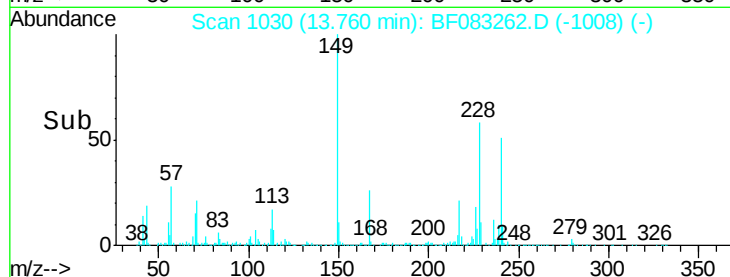
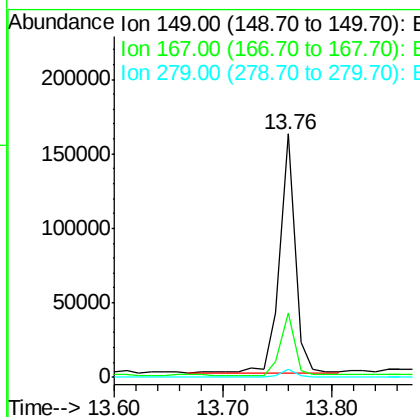
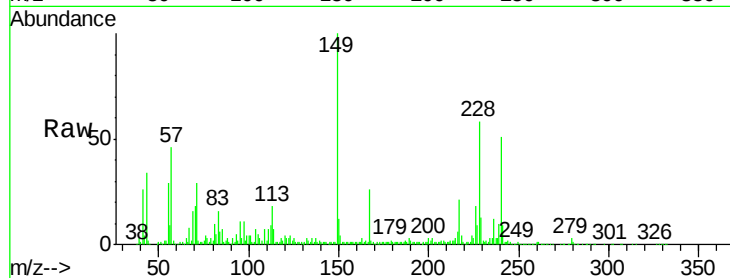
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.92 ng
 RT: 13.76 min Scan# 1030
 Delta R.T. -0.05 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Instrument :
 BNA_F
 ClientSampleId :
 V1S1

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	26.4	20.1	30.1
279	3.3	1.7	2.5

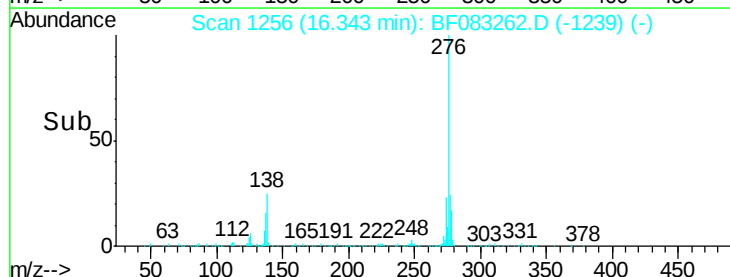
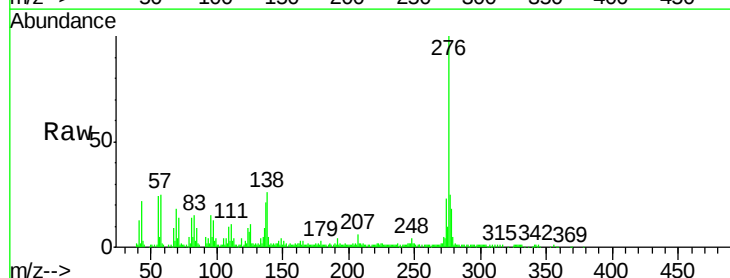
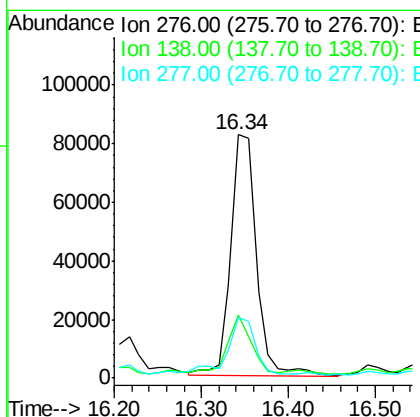
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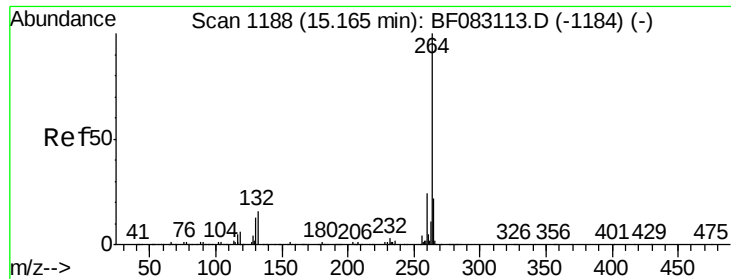
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.86 ng
 RT: 16.34 min Scan# 1256
 Delta R.T. -0.10 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.8	18.0	27.0
277	28.4	20.2	30.4





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1148

Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

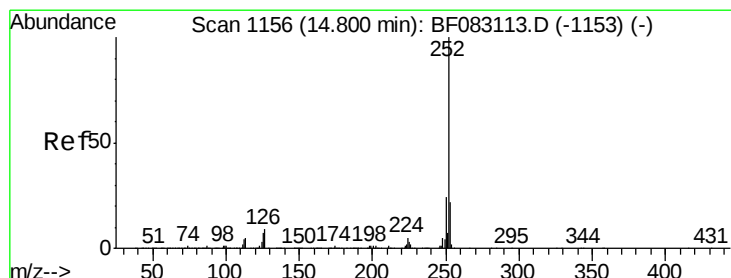
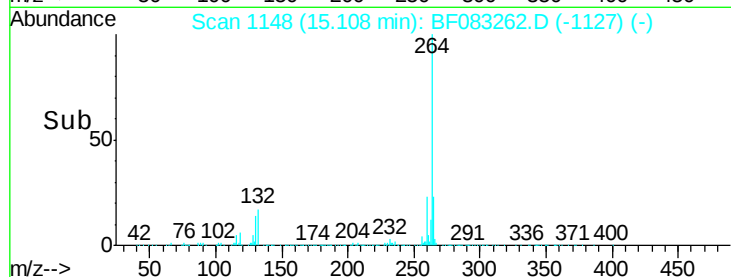
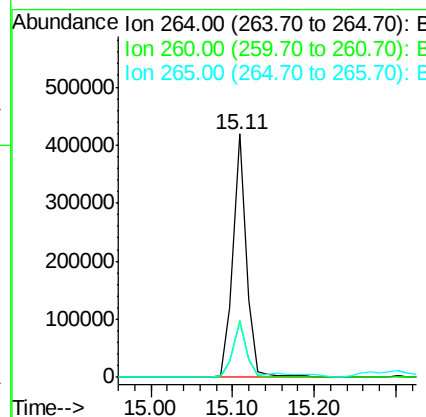
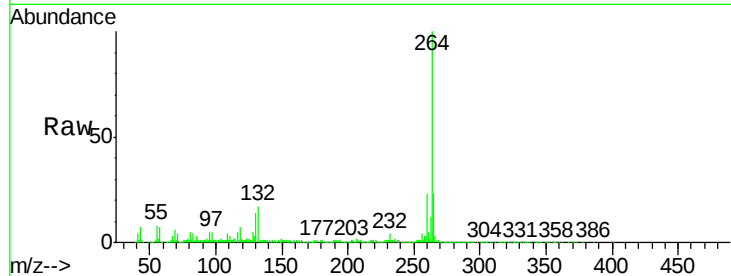
ClientSampleId :

V1S1

Tgt Ion:	264	Resp:	477668
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.1	28.7
265	22.8	18.2	27.4

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#87

Benzo(b)fluoranthene

Concen: 12.93 ng m

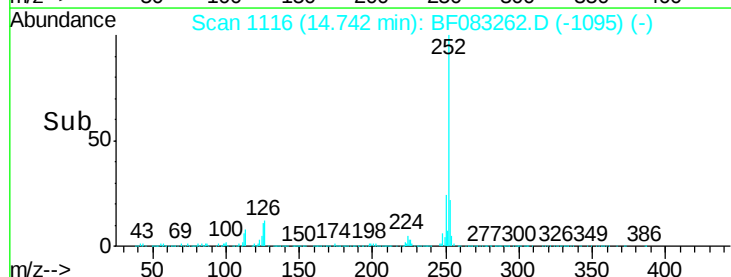
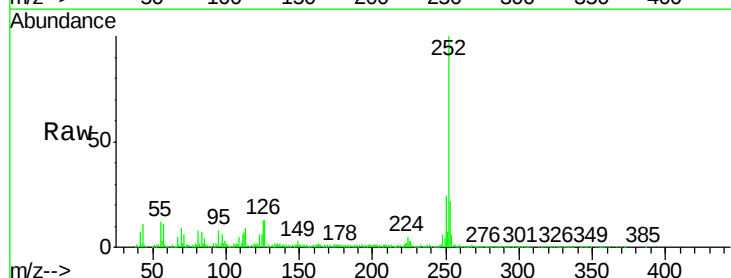
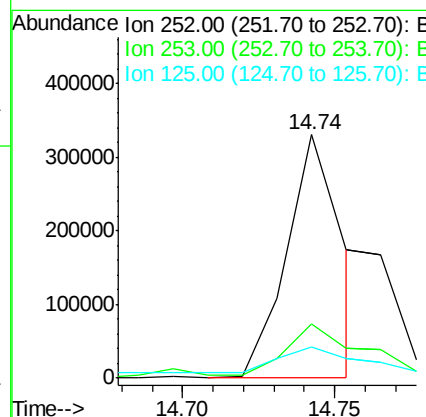
RT: 14.74 min Scan# 1116

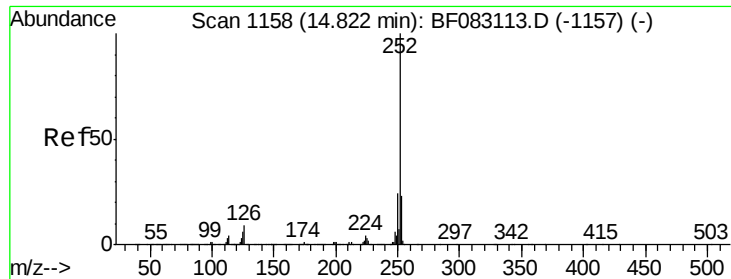
Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Tgt Ion:	252	Resp:	422160
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.7	26.5
125	12.8	5.6	8.4#





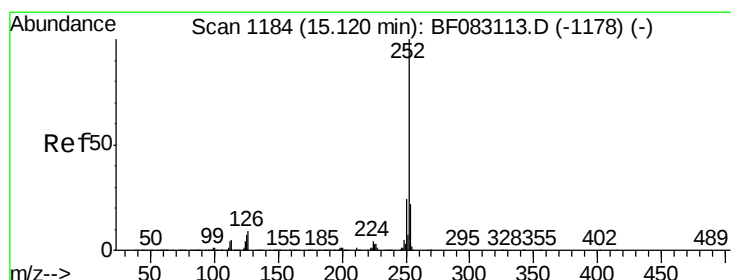
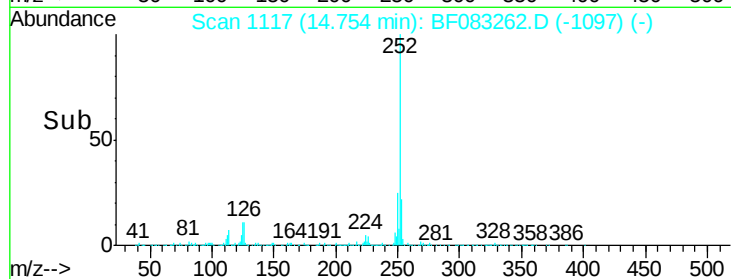
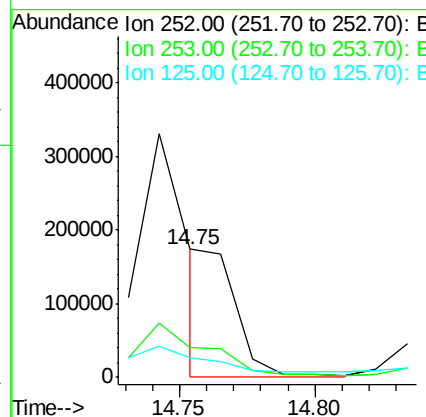
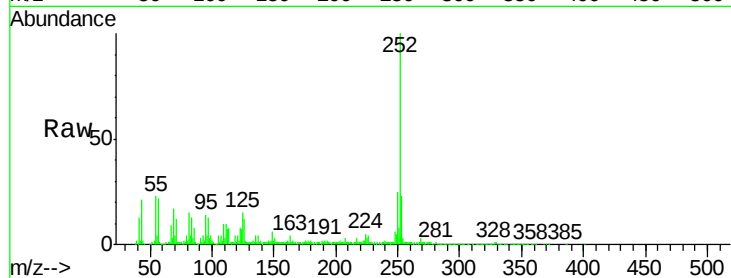
#88
Benzo(k)fluoranthene
Concen: 5.71 ng m
RT: 14.75 min Scan# 1117
Delta R.T. -0.07 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Instrument :
BNA_F
ClientSampleId :
V1S1

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	138894		
253	23.2	18.2	27.2	
125	14.9	6.8	10.2	

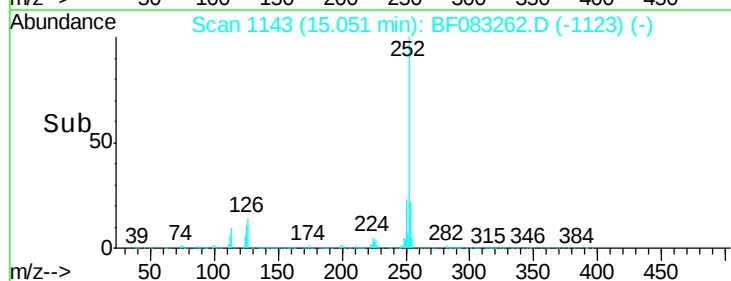
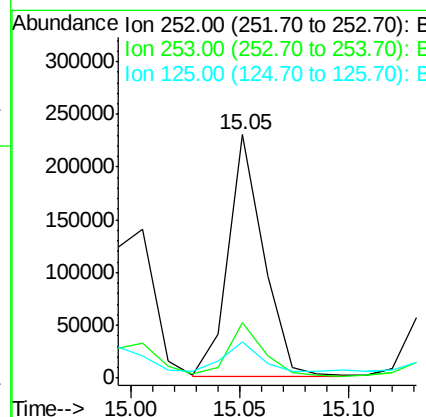
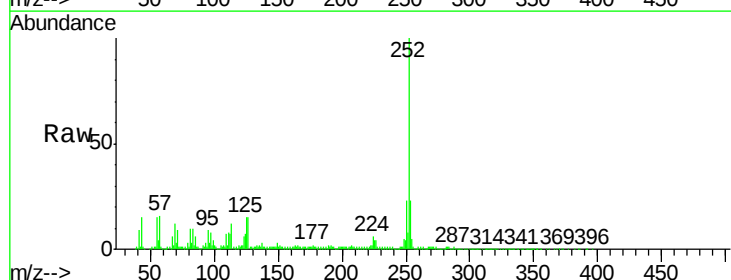
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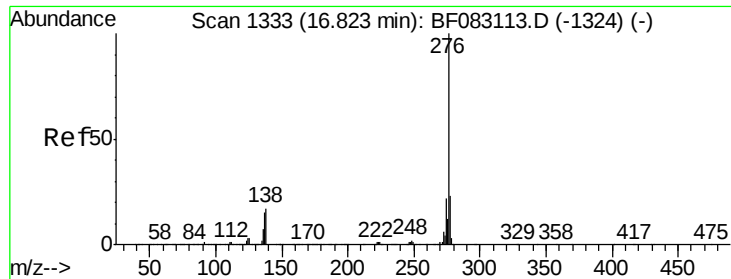
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#89
Benzo(a)pyrene
Concen: 9.61 ng
RT: 15.05 min Scan# 1143
Delta R.T. -0.07 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	258945		
253	22.5	17.5	26.3	
125	14.7	5.4	8.0	





#91
 Benzo(g,h,i)perylene
 Concen: 6.10 ng
 RT: 16.72 min Scan# 1289
 Delta R.T. -0.10 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Instrument :
 BNA_F
 ClientSampleId :
 V1S1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.7	28.1
138	21.0	13.9	20.9

Manual Integrations
 APPROVED

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