

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
 Data File : BF084838.D
 Acq On : 4 Feb 2016 19:43
 Operator : SJ/IZ
 Sample : H1320-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B012(1-3)

Manual Integrations
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 2/5/2016 1:48:47 PM

Quant Time: Feb 05 02:43:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	145997	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	610781	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	277014	20.00	ng	-0.02
63) Phenanthrene-d10	11.18	188	465787	20.00	ng	-0.02
75) Chrysene-d12	13.81	240	315164	20.00	ng	-0.02
86) Perylene-d12	15.20	264	293801	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1031137	110.01	ng	-0.01
7) Phenol-d6	6.33	99	1428636	122.95	ng	-0.01
23) Nitrobenzene-d5	7.24	82	769818	71.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	319306	110.51	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	1267208	73.68	ng	-0.02
78) Terphenyl-d14	12.77	244	1005616	72.30	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	260669	12.35	ng	# 90
70) Phenanthrene	11.21	178	306736	11.87	ng	99
71) Anthracene	11.26	178	69861	2.68	ng	98
74) Fluoranthene	12.40	202	451962	17.29	ng	96
77) Pyrene	12.62	202	417682	17.31	ng	98
80) Benzo(a)anthracene	13.80	228	182369	9.32	ng	97
82) Chrysene	13.85	228	133659m	7.05	ng	
85) Indeno(1,2,3-cd)pyrene	16.47	276	95365	6.39	ng	95
87) Benzo(b)fluoranthene	14.82	252	195693m	9.91	ng	
88) Benzo(k)fluoranthene	14.83	252	46903m	2.87	ng	
89) Benzo(a)pyrene	15.14	252	142988	8.50	ng	96
91) Benzo(a,h,i)perylene	16.85	276	93329	6.54	ng	98

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

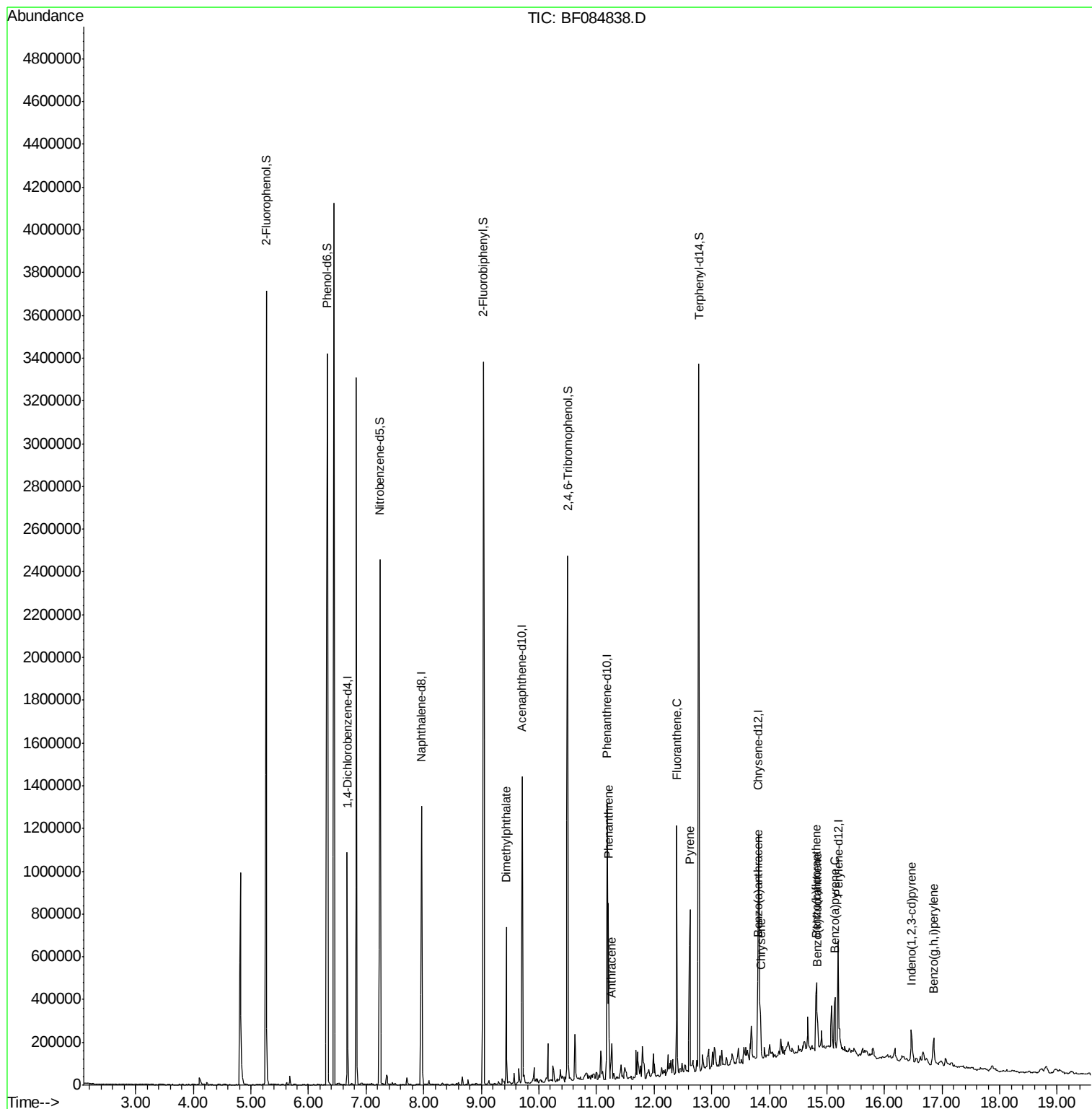
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
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Acq On : 4 Feb 2016 19:43
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S4-B012(1-3)

Manual Integrations
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Response via : Initial Calibration





#1

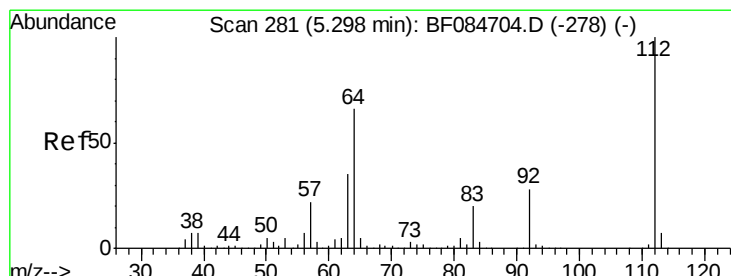
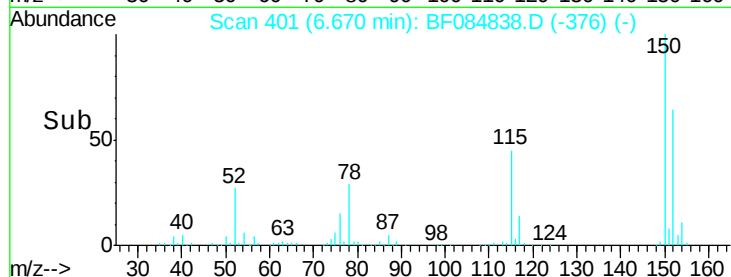
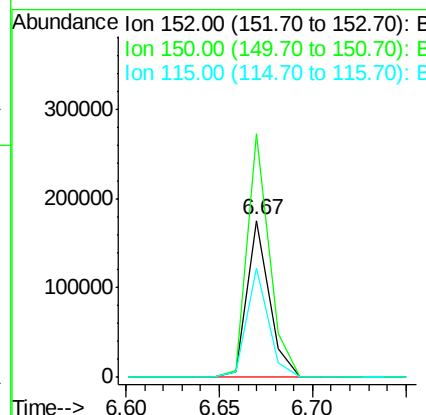
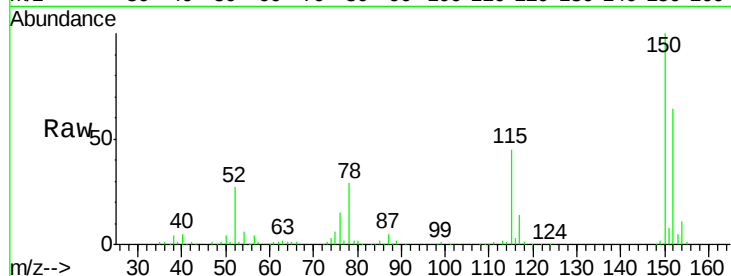
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B012(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	145997		
150	155.5	123.0	184.4	
115	69.6	51.4	77.2	

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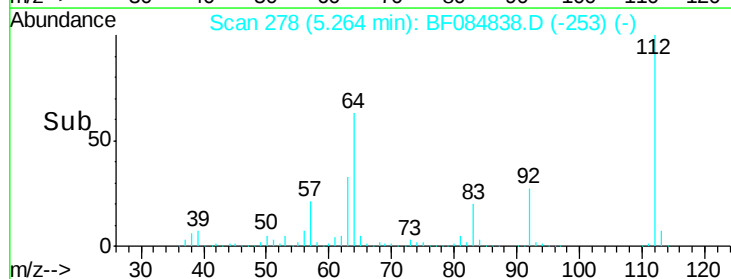
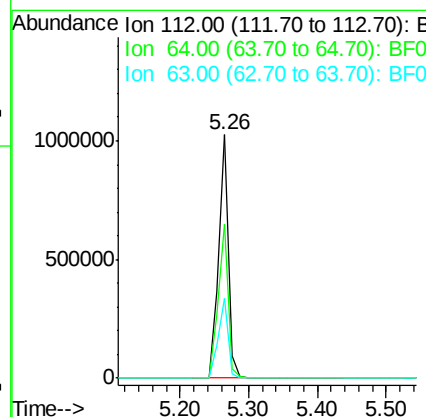
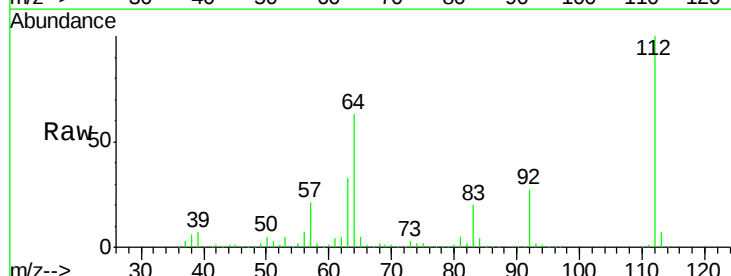
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#5

2-Fluorophenol
Concen: 110.01 ng
RT: 5.26 min Scan# 278
Delta R.T. -0.01 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1031137		
64	63.0	36.6	55.0#	
63	32.9	19.4	29.0#	





#7

Phenol-d6

Concen: 122.95 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Instrument :

BNA_F

ClientSampleId :

S4-B012(1-3)

Tot Ion: 99 Resp: 1428636

Ion Ratio Lower Upper

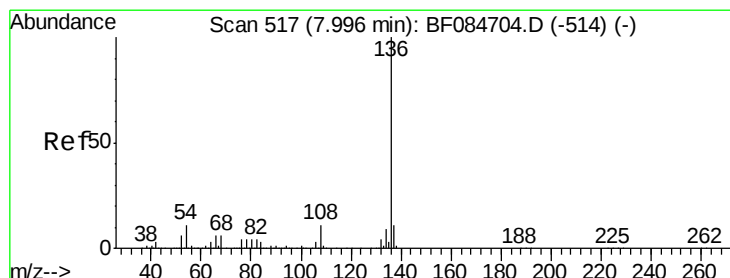
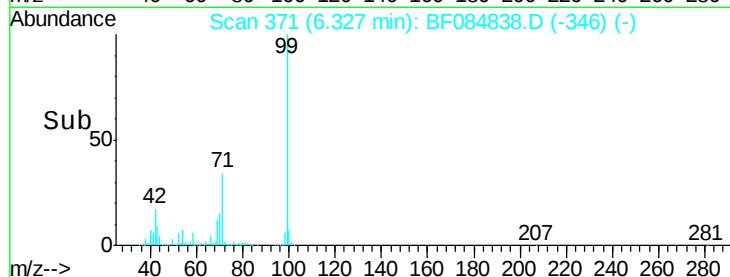
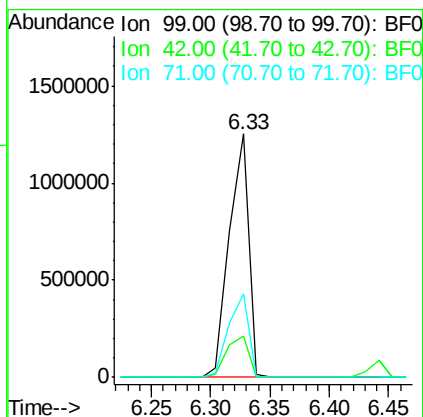
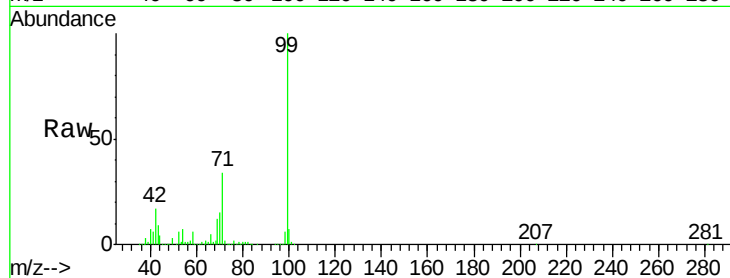
99 100

42 16.9 12.8 19.2

71 34.3 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Tgt Ion: 136 Resp: 610781

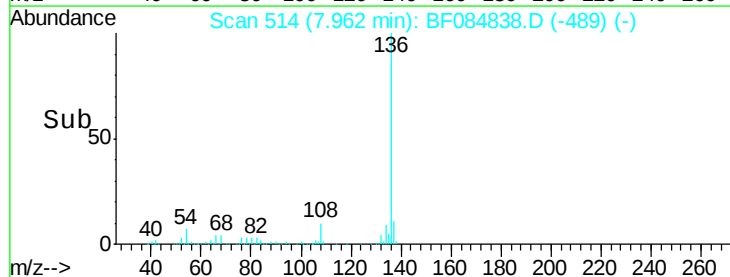
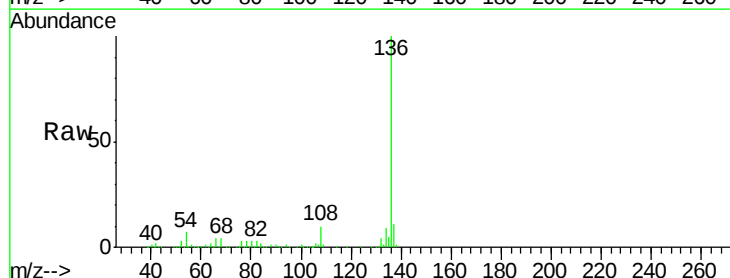
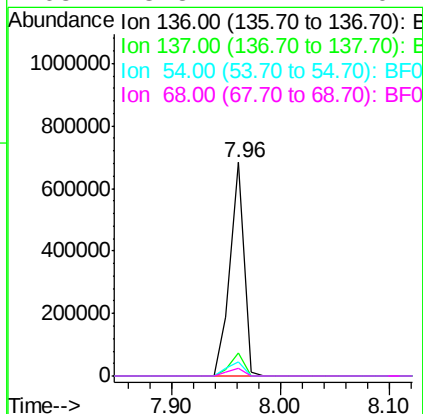
Ion Ratio Lower Upper

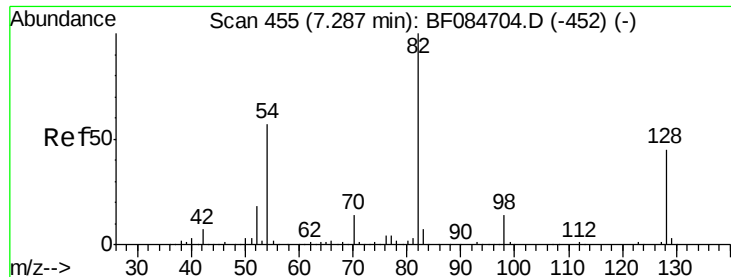
136 100

137 10.9 8.7 13.1

54 6.8 5.8 8.8

68 3.8 4.2 6.2#





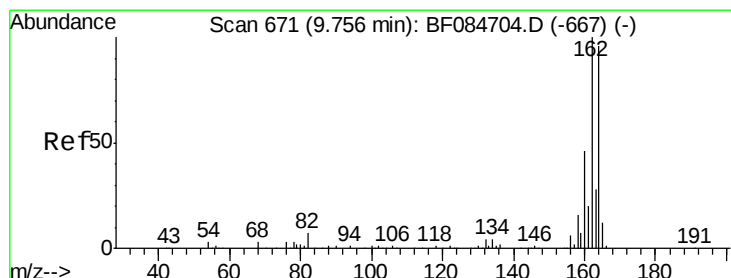
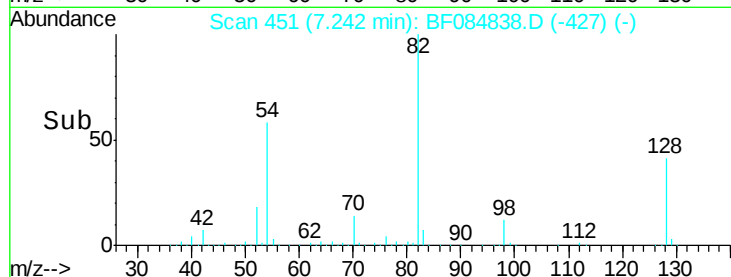
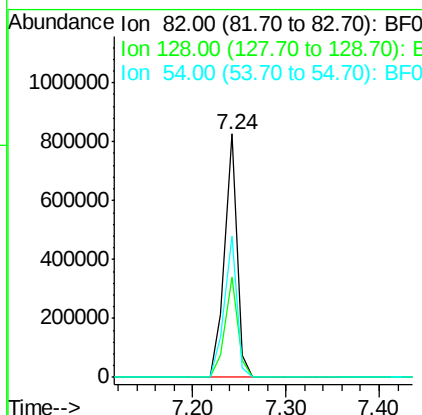
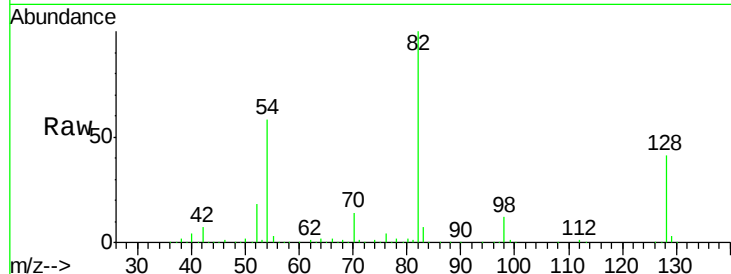
#23
Nitrobenzene-d5
Concen: 71.00 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B012(1-3)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.6	51.8
54	58.0	38.4	57.6

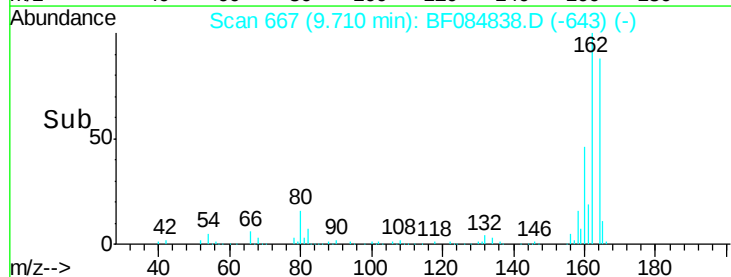
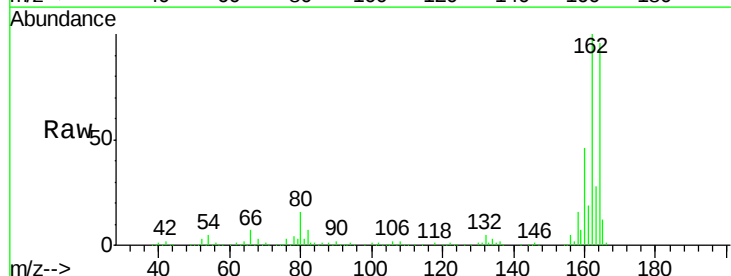
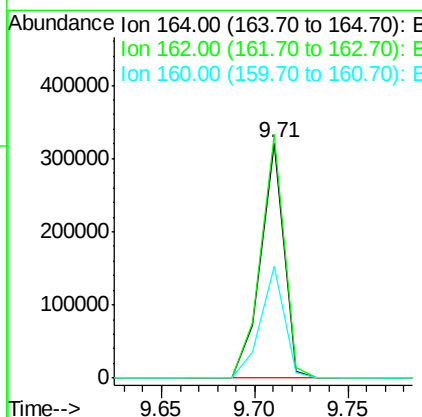
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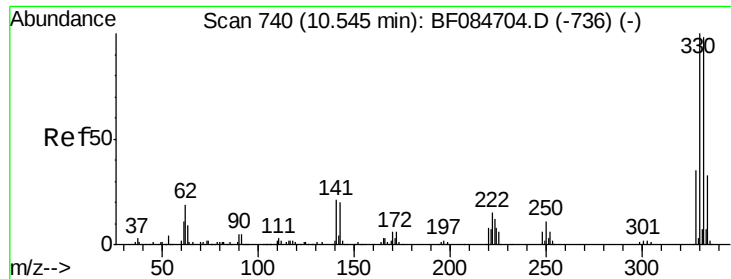
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.1	127.7
160	47.5	37.5	56.3





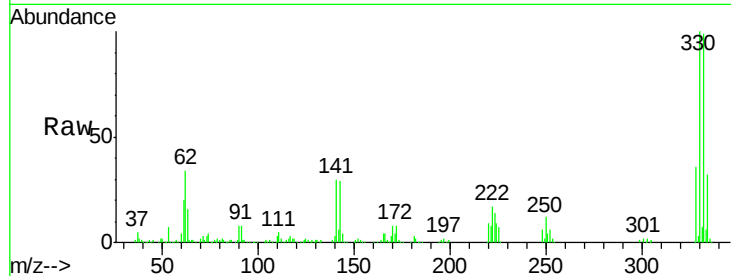
#41
 2,4,6-Tribromophenol
 Concen: 110.51 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF084838.D
 Acq: 4 Feb 2016 19:43

Instrument :
 BNA_F
 ClientSampleId :
 S4-B012(1-3)

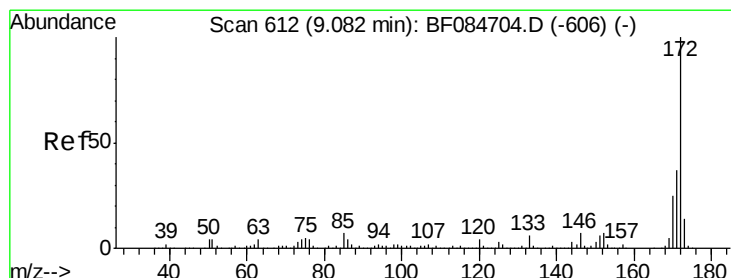
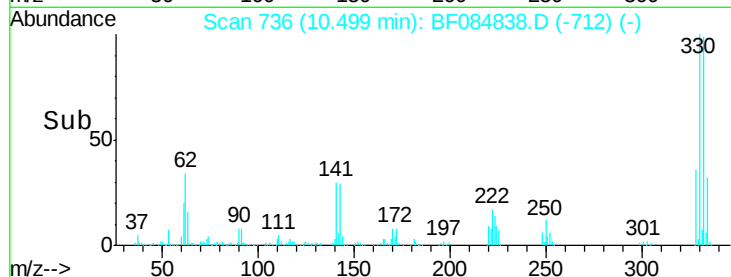
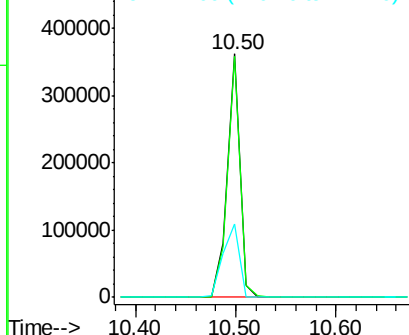
Tot Ion	Ratio	Resp	Lower	Upper
330	100	319306		
332	98.2	76.6	114.8	
141	38.4	27.8	41.6	

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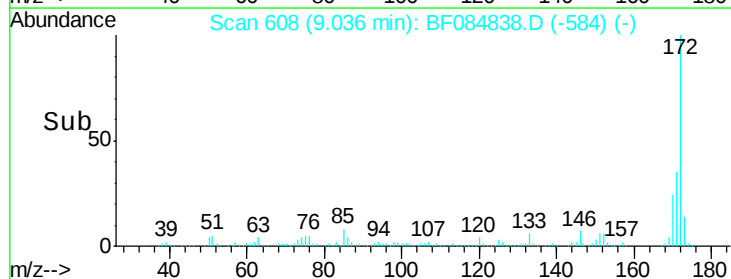
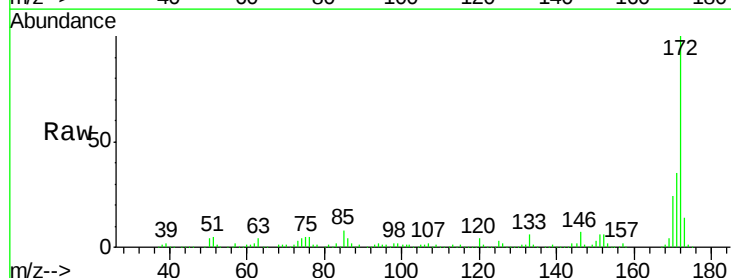
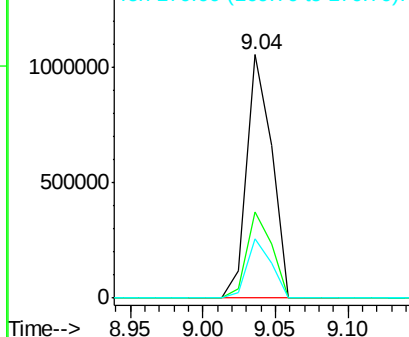
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

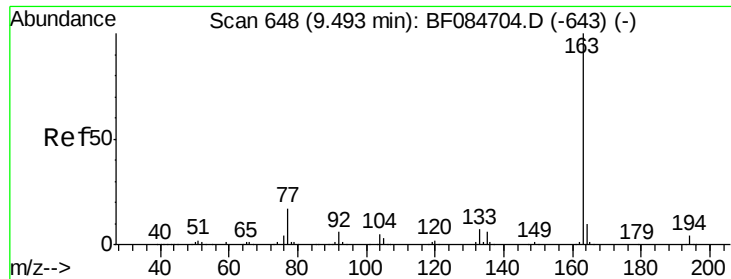


#44
 2-Fluorobiphenyl
 Concen: 73.68 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084838.D
 Acq: 4 Feb 2016 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1267208		
171	35.5	28.9	43.3	
170	24.4	18.6	27.8	

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





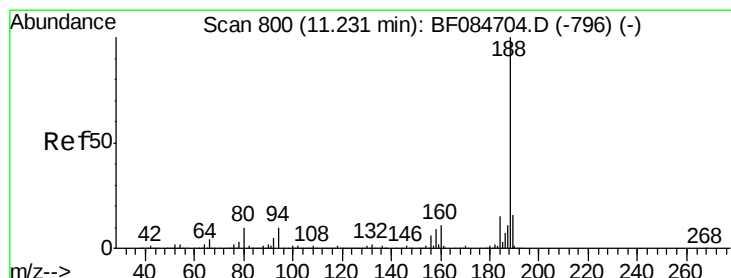
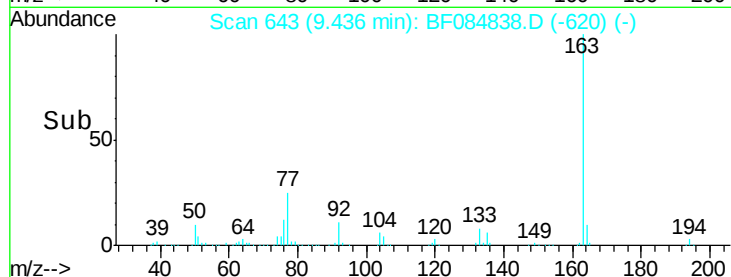
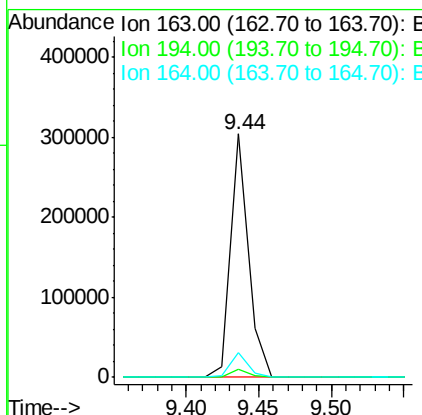
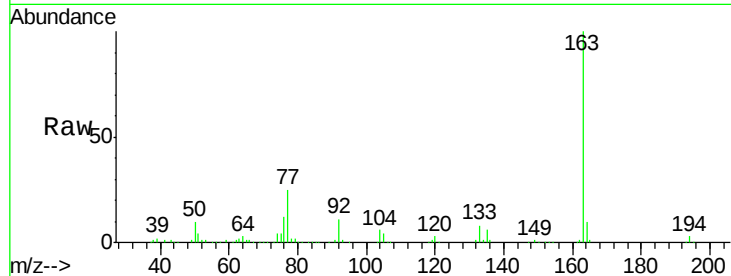
#49
Dimethylphthalate
Concen: 12.35 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B012(1-3)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	8.0	12.0#
164	10.3	8.0	12.0

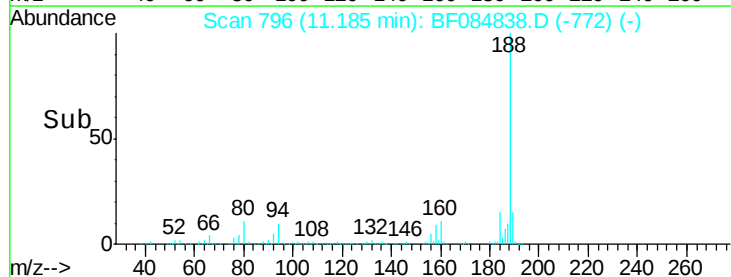
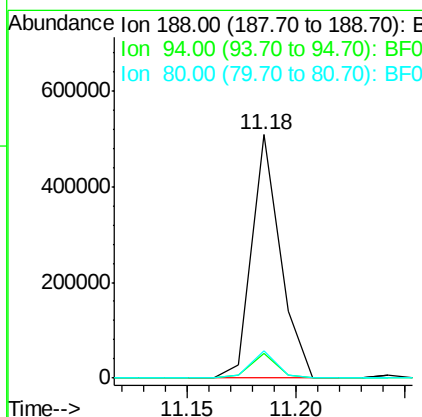
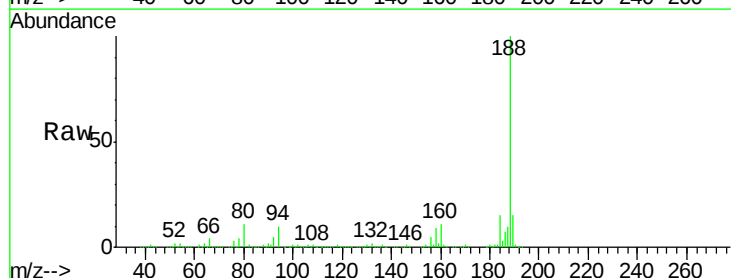
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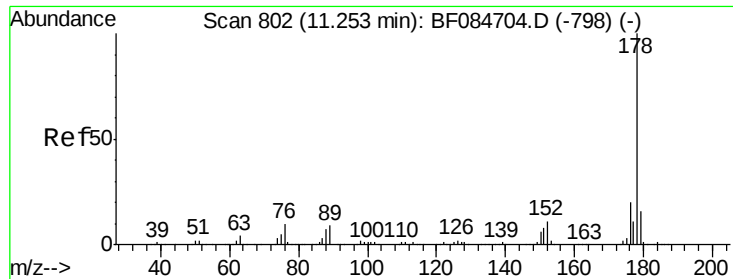
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	9.0	13.4
80	11.0	9.6	14.4





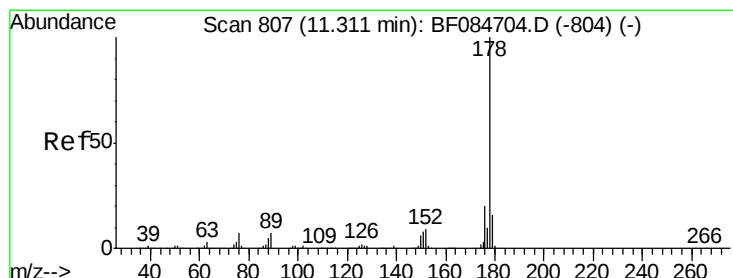
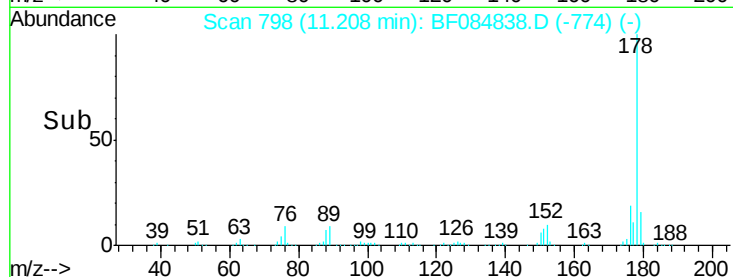
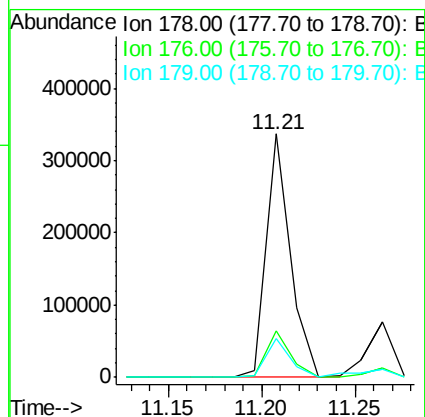
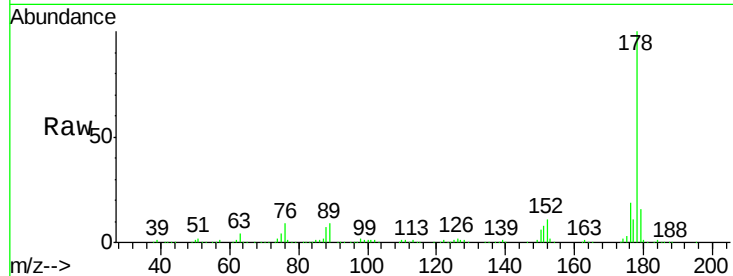
#70
Phenanthrene
Concen: 11.87 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B012(1-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.9	12.0	18.0

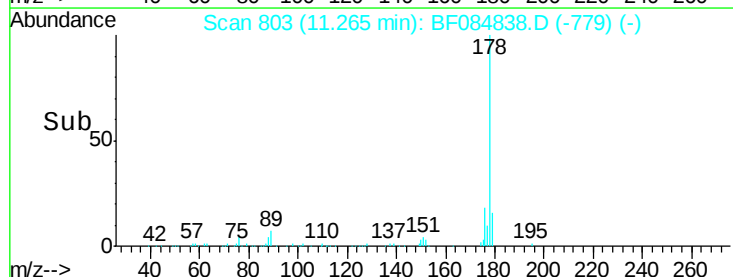
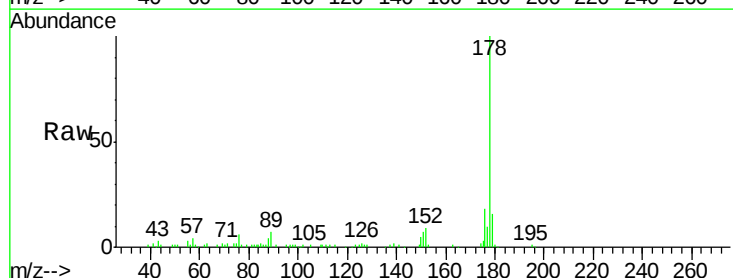
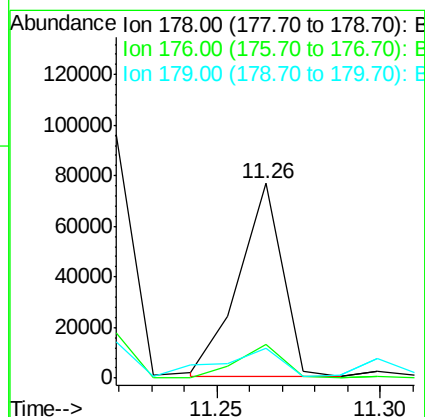
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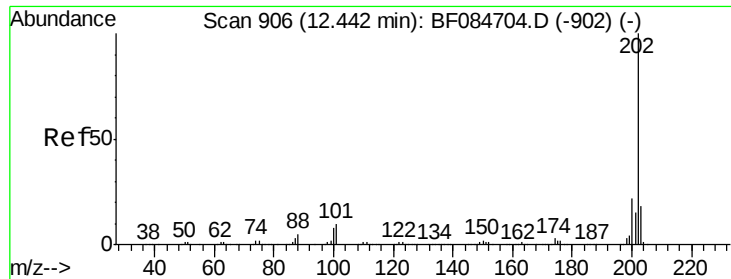
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#71
Anthracene
Concen: 2.68 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.02 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.0
179	15.5	12.5	18.7





#74

Fluoranthene

Concen: 17.29 ng

RT: 12.40 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Instrument :

BNA_F

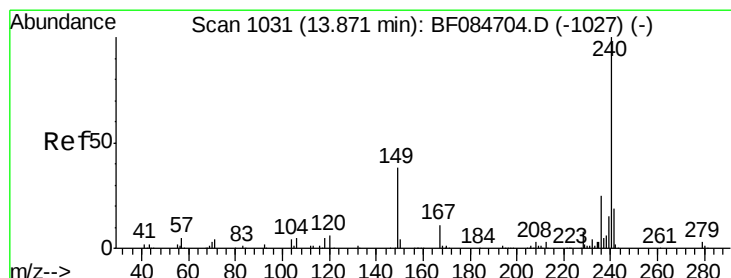
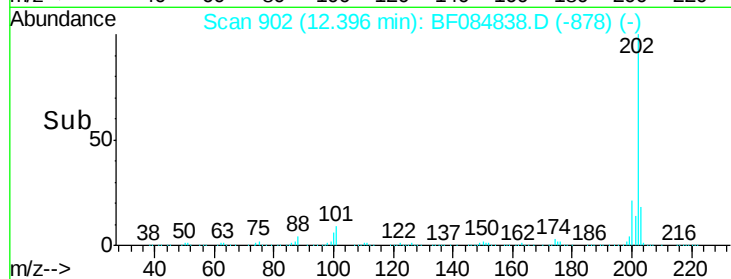
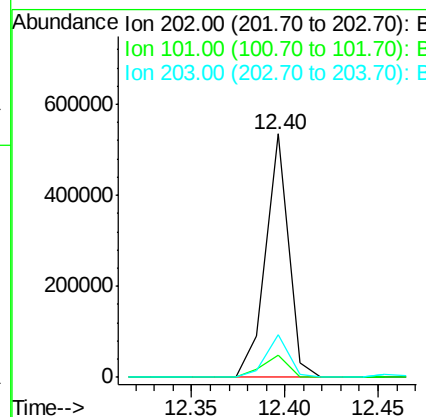
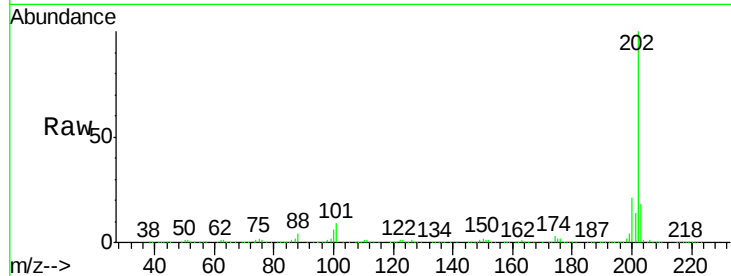
ClientSampleId :

S4-B012(1-3)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		451962		
101	9.3	0.0	32.8		
203	17.6	0.0	37.9		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

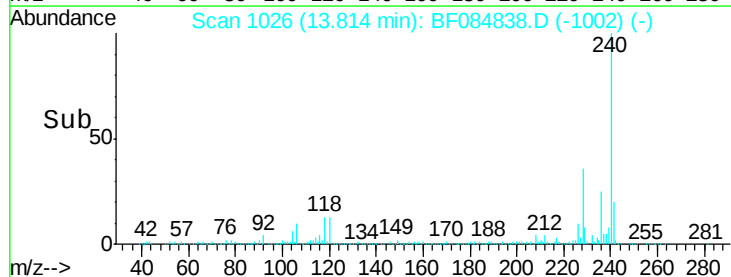
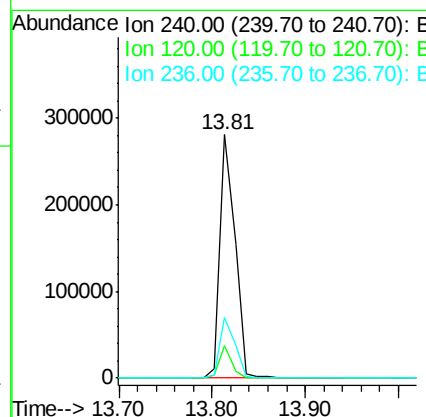
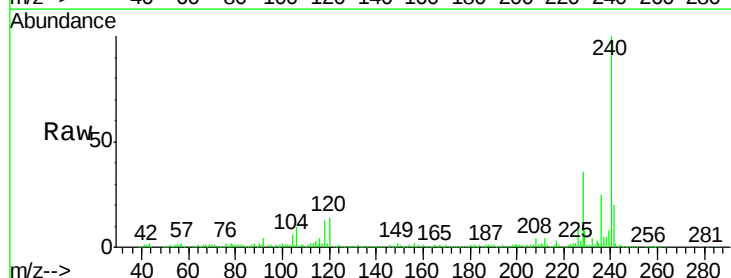
RT: 13.81 min Scan# 1026

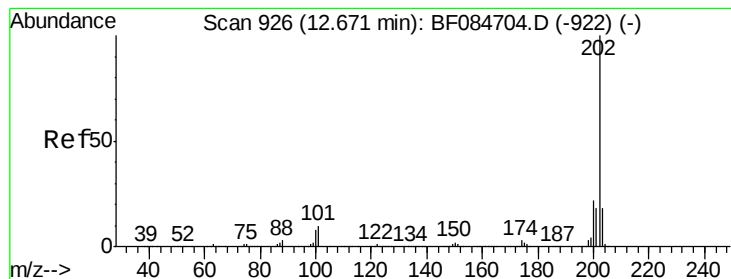
Delta R.T. -0.02 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		315164		
120	13.6	9.5	14.3		
236	25.0	20.6	31.0		





#77

Pvrene

Concen: 17.31 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Instrument :

BNA_F

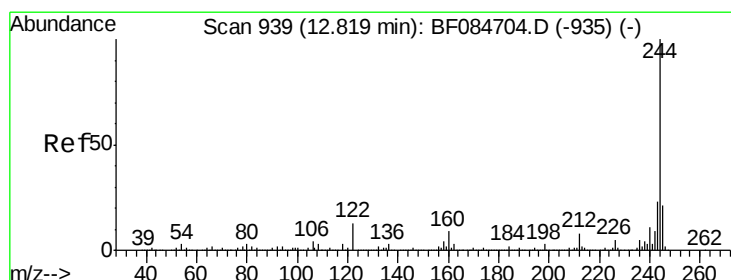
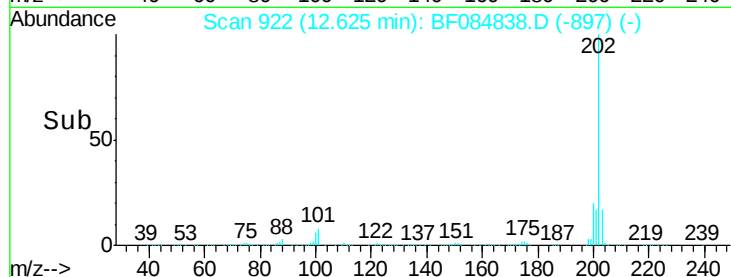
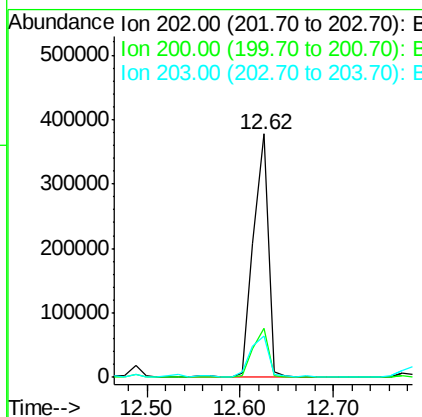
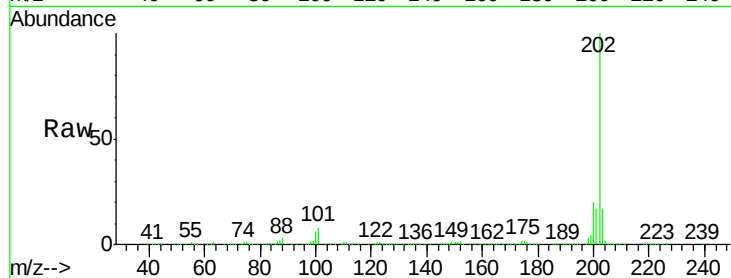
ClientSampleId :

S4-B012(1-3)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		417682		
200	20.2		17.2	25.8	
203	17.1		14.3	21.5	

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#78

Terphenyl-d14

Concen: 72.30 ng

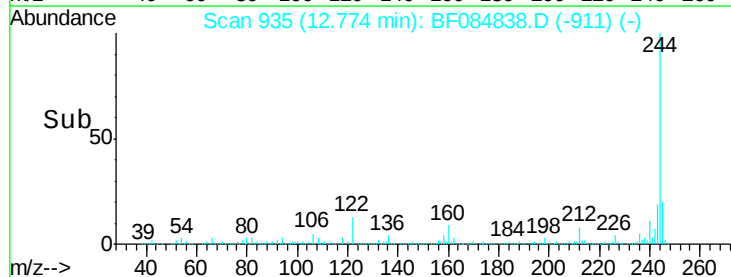
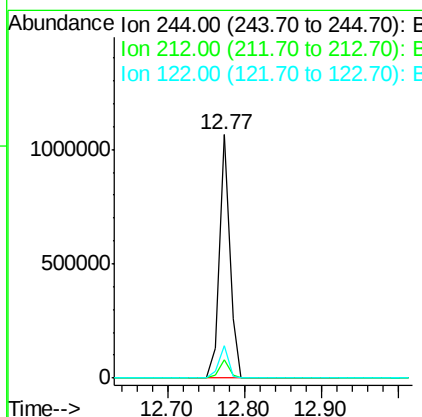
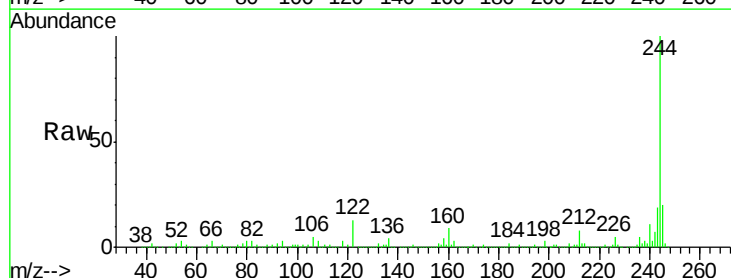
RT: 12.77 min Scan# 935

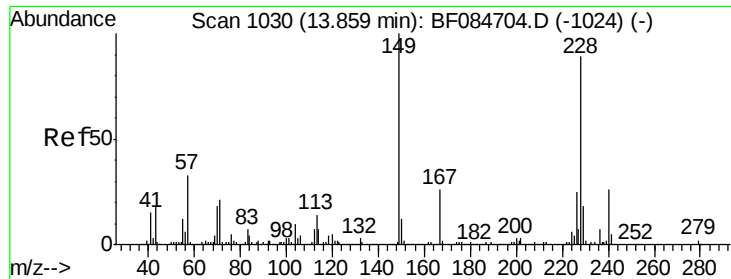
Delta R.T. -0.02 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		1005616		
212	7.6		5.7	8.5	
122	13.2		7.4	11.0	





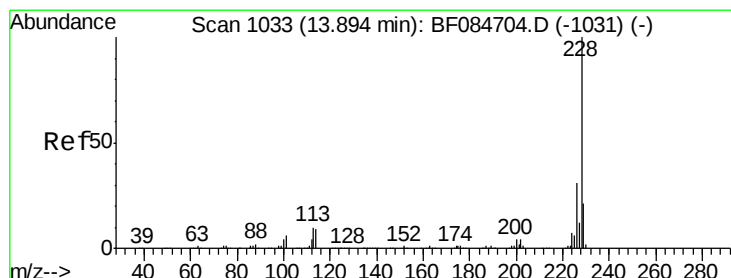
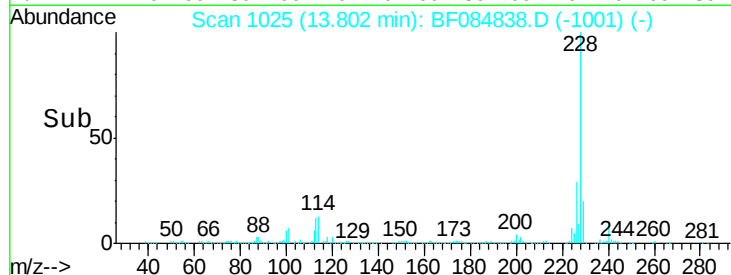
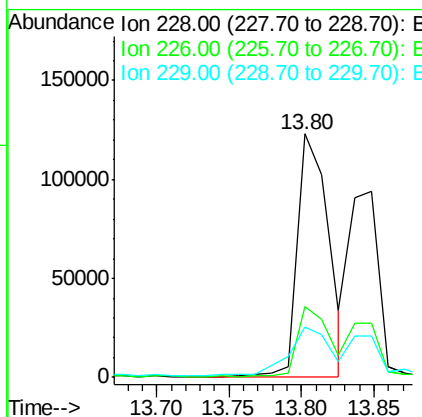
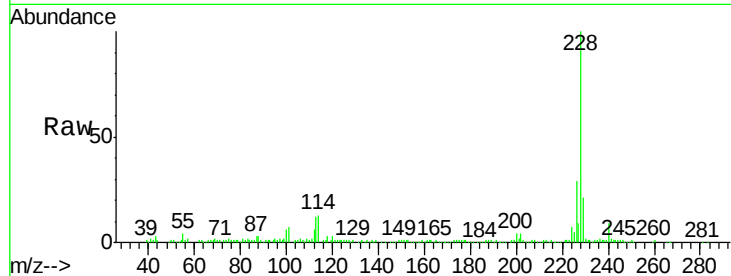
#80
Benzo(a)anthracene
Concen: 9.32 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B012(1-3)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.3	21.8	32.6		
229	20.7	15.8	23.8		

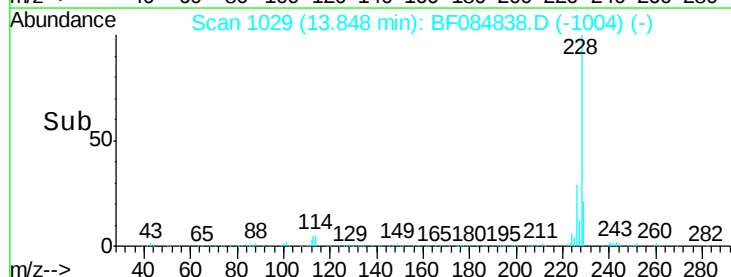
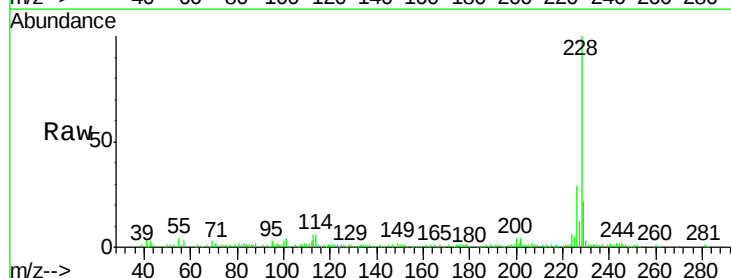
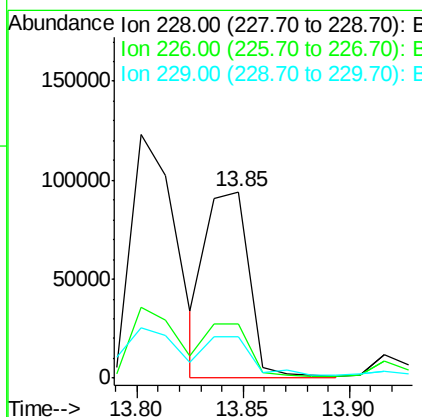
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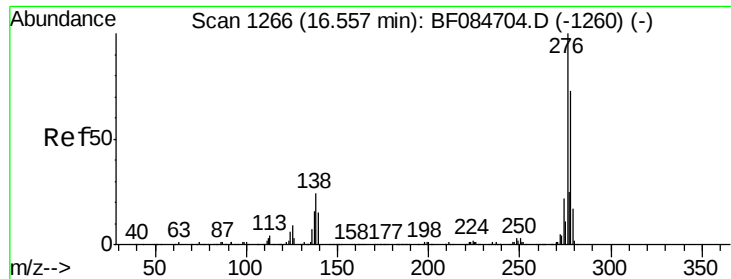
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#82
Chrysene
Concen: 7.05 ng m
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.4	24.3	36.5		
229	22.3	16.1	24.1		





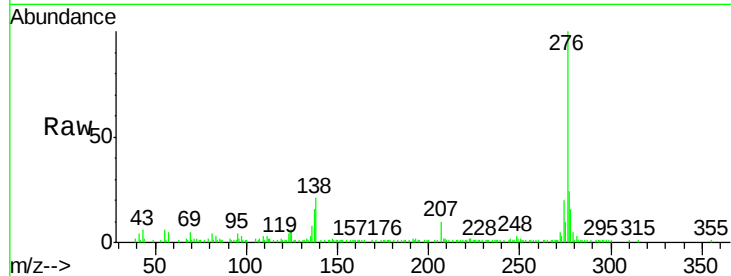
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.39 ng
RT: 16.47 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S4-B012(1-3)

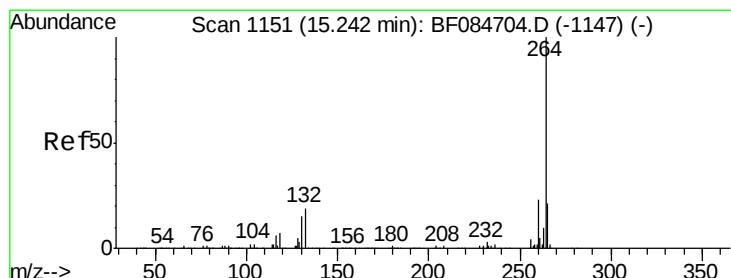
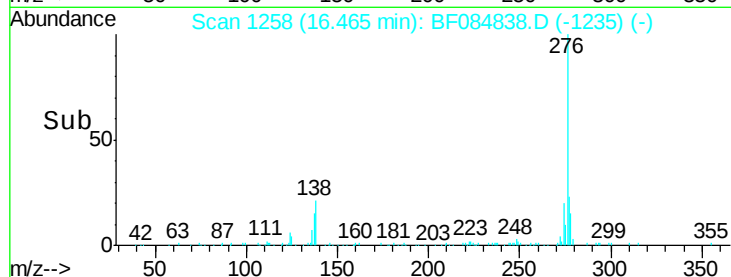
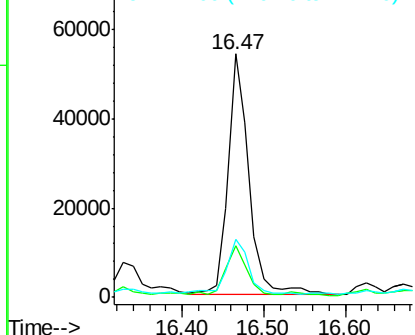
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.6	30.8
277	25.4	20.1	30.1

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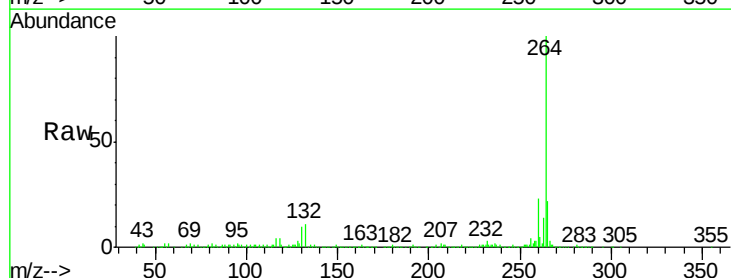


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

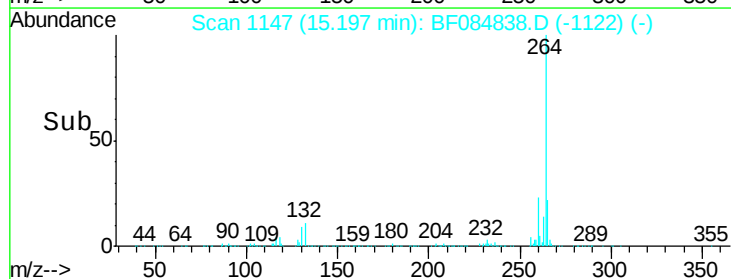
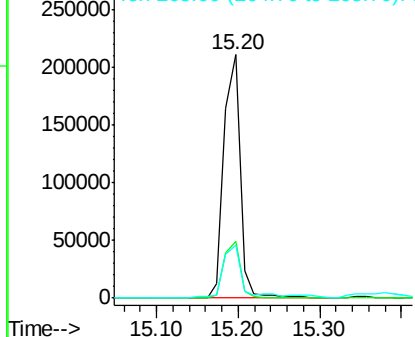


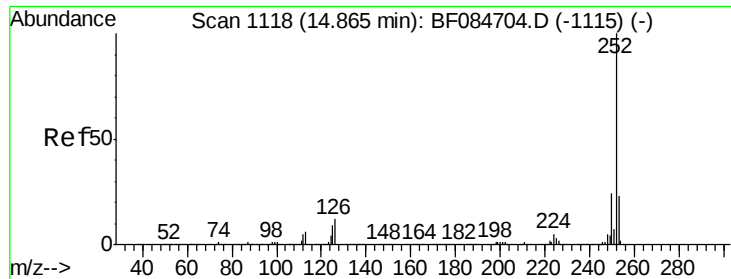
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF084838.D
Acq: 4 Feb 2016 19:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.9	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: 9.91 ng m

RT: 14.82 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Instrument :

BNA_F

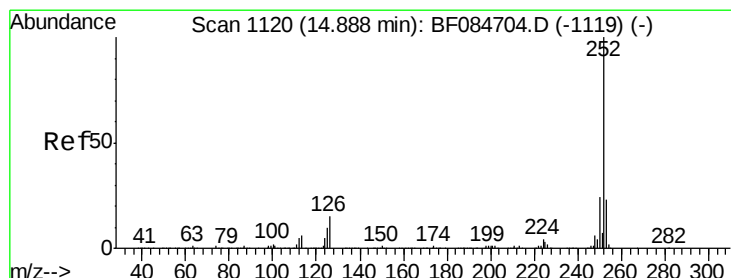
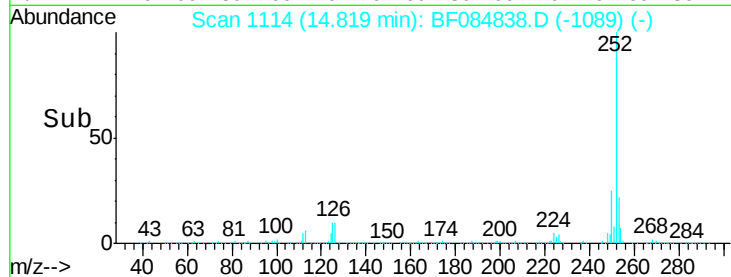
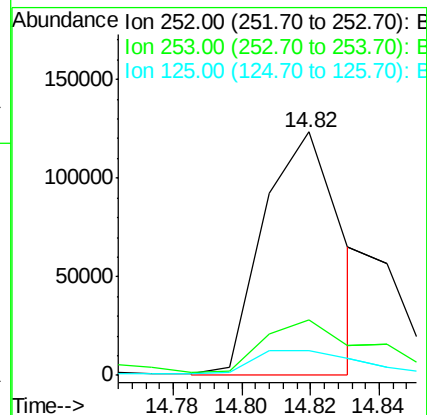
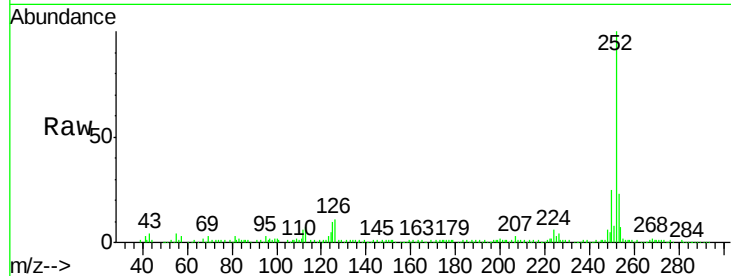
ClientSampleId :

S4-B012(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	10.3	6.5	9.7

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#88

Benzo(k)fluoranthene

Concen: 2.87 ng m

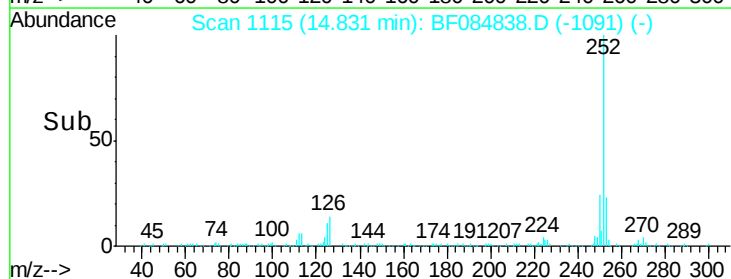
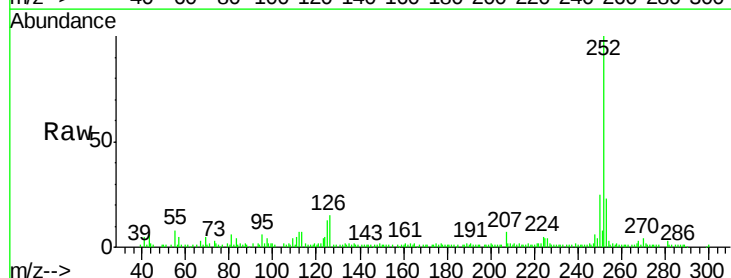
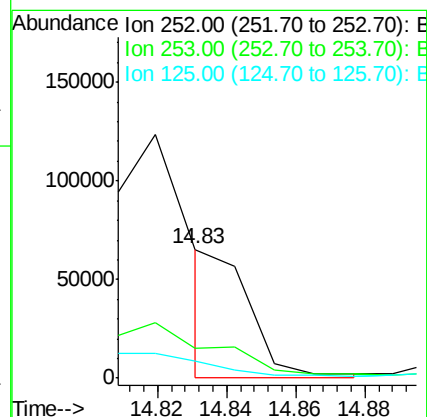
RT: 14.83 min Scan# 1115

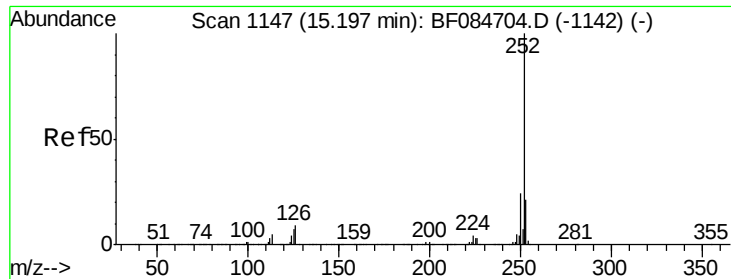
Delta R.T. -0.02 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	13.3	9.0	13.6





#89

Benzo(a)pyrene

Concen: 8.50 ng

RT: 15.14 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Instrument :

BNA_F

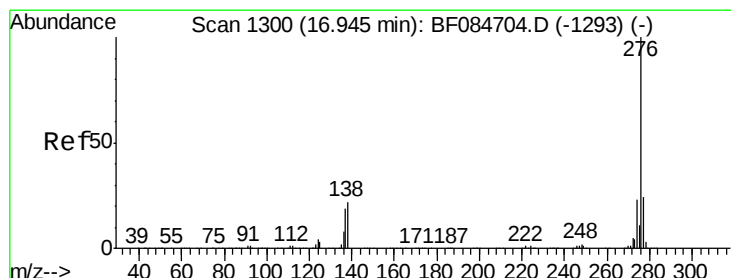
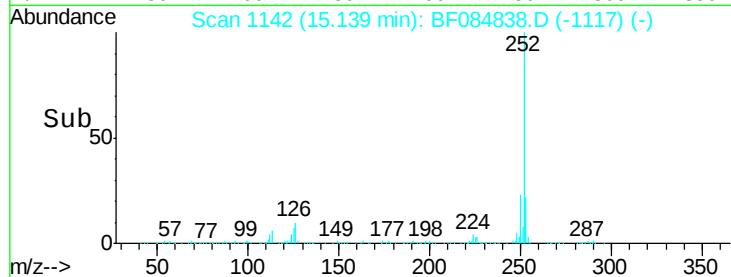
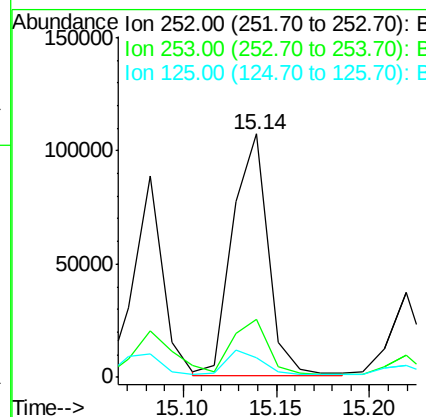
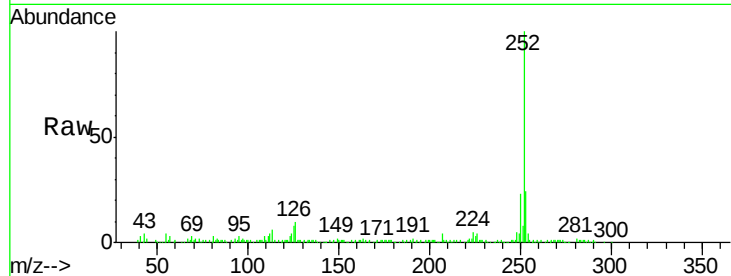
ClientSampleId :

S4-B012(1-3)

Tot Ion:	252	Resp:	142988
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.3	25.9
125	8.2	7.0	10.4

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#91

Benzo(g,h,i)perylene

Concen: 6.54 ng

RT: 16.85 min Scan# 1292

Delta R.T. -0.03 min

Lab File: BF084838.D

Acq: 4 Feb 2016 19:43

Tgt Ion:	276	Resp:	93329
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.8	28.2
138	22.9	17.8	26.6

