

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
 Data File : BF084823.D
 Acq On : 4 Feb 2016 9:16
 Operator : SJ/IZ
 Sample : H1322-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B020(10-12)

Manual Integrations
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Quant Time: Feb 04 10:18:08 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	6.68	152	191120	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	825690	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	353077	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	580278	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	384497	20.00	ng	-0.01
86) Perylene-d12	15.21	264	361517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1053932	85.89	ng	0.00
7) Phenol-d6	6.34	99	1619377	106.46	ng	0.00
23) Nitrobenzene-d5	7.25	82	927101	63.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	269203	73.10	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1460708	64.28	ng	0.00
78) Terphenyl-d14	12.79	244	1054501	62.15	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.45	163	309021	11.49	ng	Qvalue # 89
70) Phenanthrene	11.22	178	151376	4.70	ng	99
74) Fluoranthene	12.41	202	252409	7.75	ng	96
77) Pyrene	12.64	202	249246	8.47	ng	98
80) Benzo(a)anthracene	13.83	228	116708m	4.89	ng	
82) Chrysene	13.86	228	82674m	3.57	ng	
85) Indeno(1,2,3-cd)pyrene	16.49	276	53446	2.93	ng	99
87) Benzo(b)fluoranthene	14.83	252	114707m	4.72	ng	
89) Benzo(a)pyrene	15.15	252	82648	3.99	ng	97
91) Benzo(g,h,i)perylene	16.88	276	53650	3.06	ng	98

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

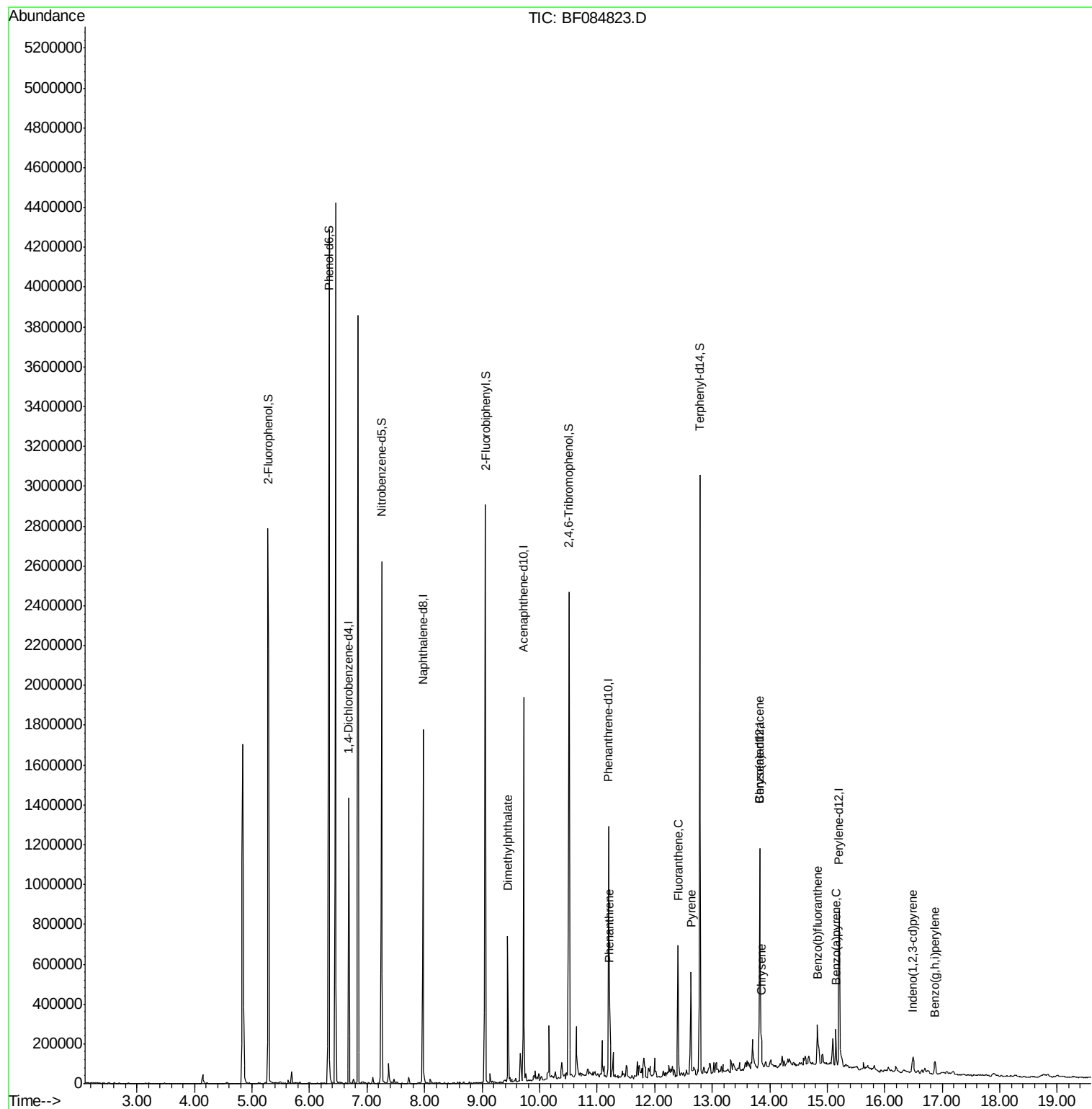
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084823.D
Acq On : 4 Feb 2016 9:16
Operator : SJ/IZ
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Misc :
ALS Vial : 36 Sample Multiplier: 1

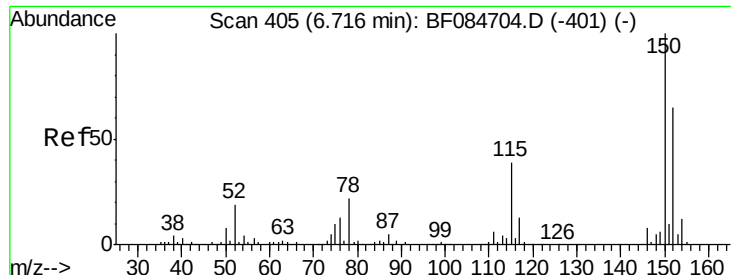
Instrument :
BNA_F
ClientSampleId :
S4-B020(10-12)

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#1

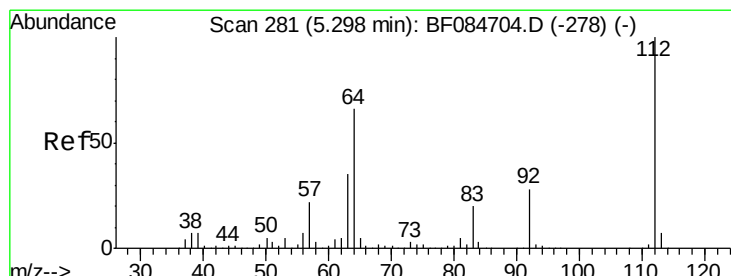
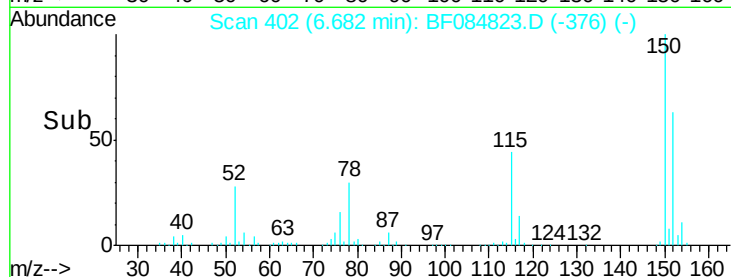
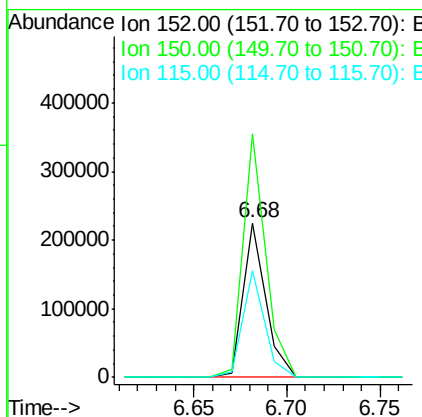
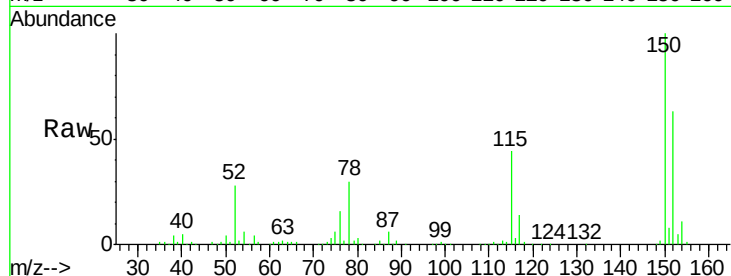
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Instrument :
 BNA_F
 ClientSampleId :
 S4-B020(10-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.0	184.4
115	68.7	51.4	77.2

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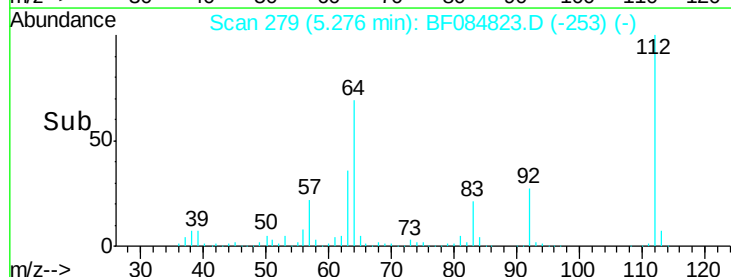
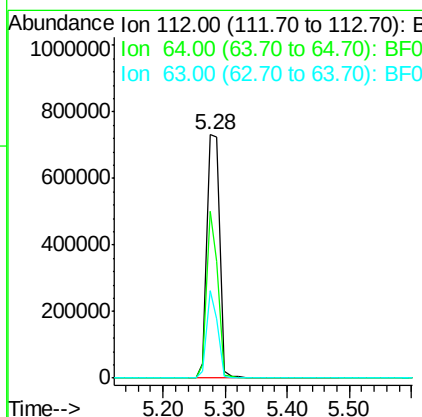
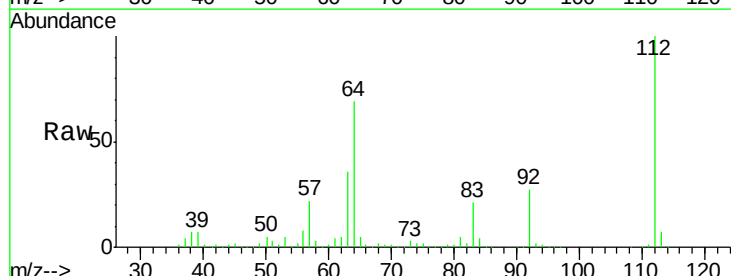
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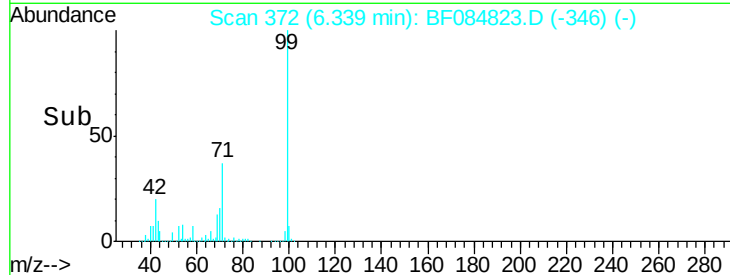
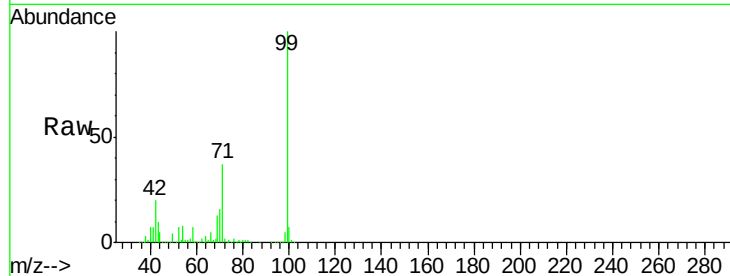
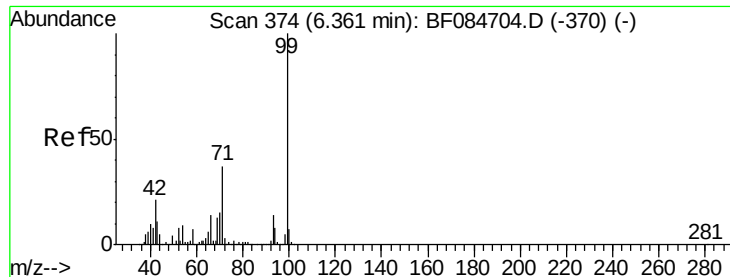


#5

2-Fluorophenol
 Concen: 85.89 ng
 RT: 5.28 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	36.6	55.0#
63	35.9	19.4	29.0#





#7

Phenol-d6

Concen: 106.46 ng

RT: 6.34 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Tot Ion:	99	Resp:	1619377
Ion	Ratio	Lower	Upper
99	100		
42	19.8	12.8	19.2#
71	37.3	30.9	46.3

Instrument :

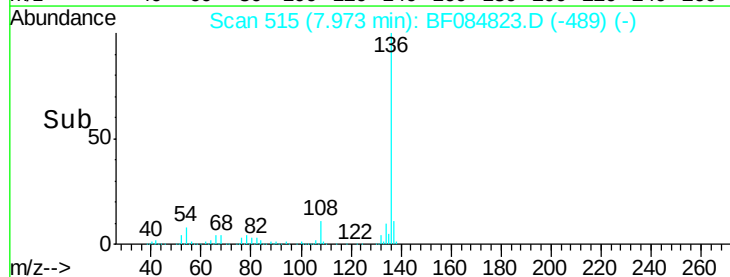
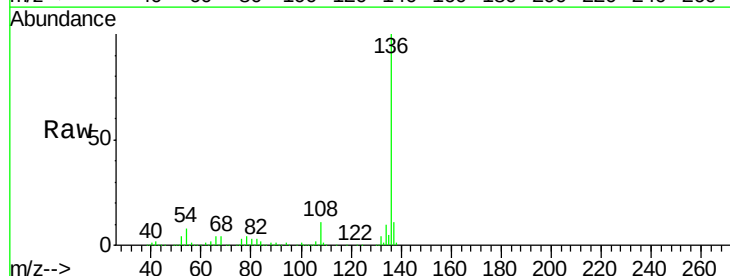
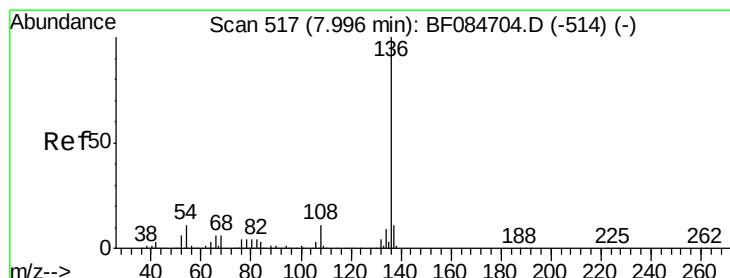
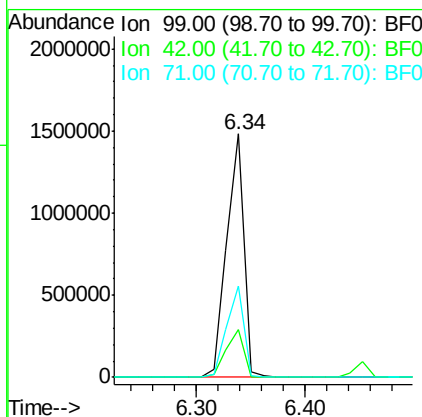
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

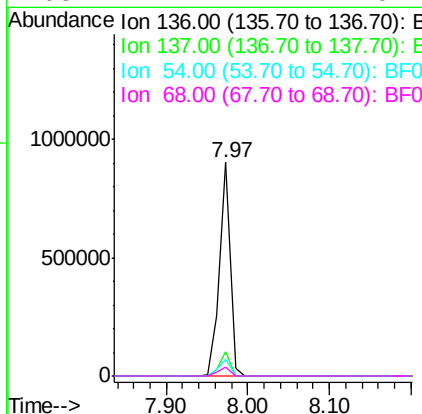
RT: 7.97 min Scan# 515

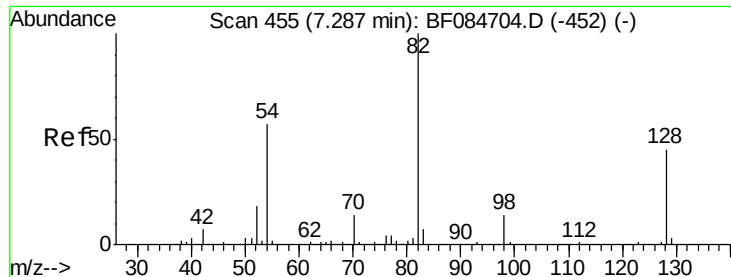
Delta R.T. 0.00 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Tgt Ion:	136	Resp:	825690
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	7.6	5.8	8.8
68	4.4	4.2	6.2





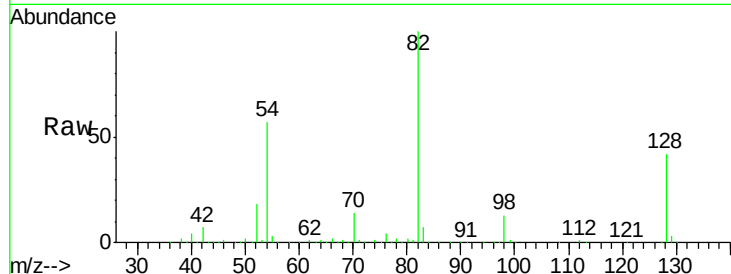
#23
Nitrobenzene-d5
Concen: 63.25 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Instrument :
BNA_F
ClientSampleId :
S4-B020(10-12)

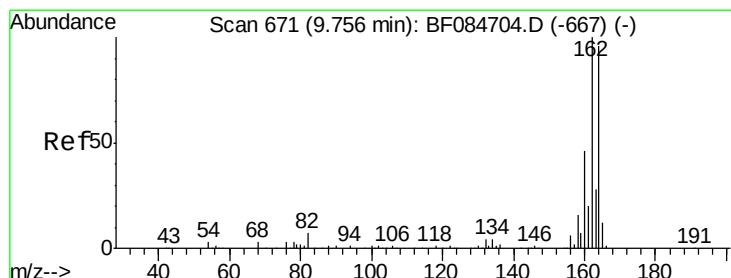
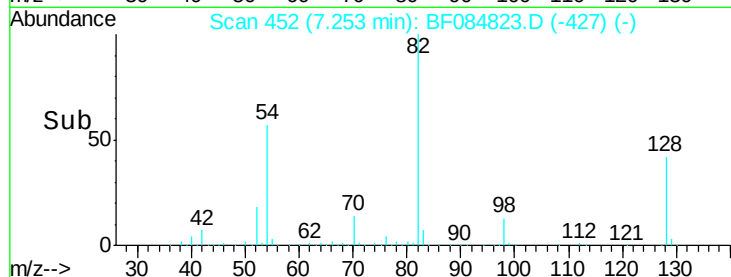
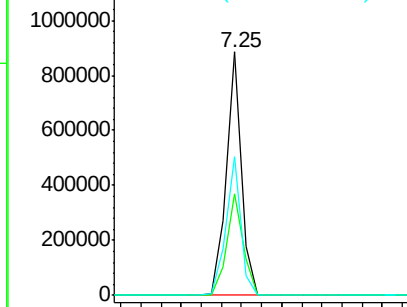
Tot Ion	82	Resp	927101
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.6	51.8
54	57.2	38.4	57.6

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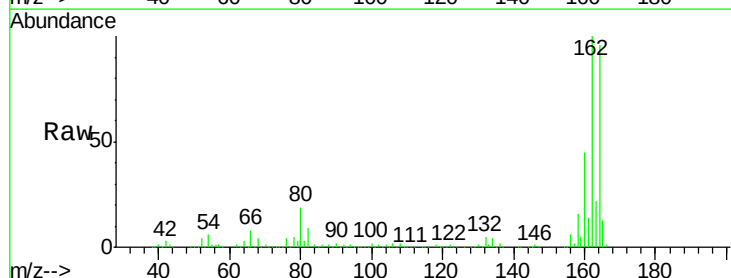


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

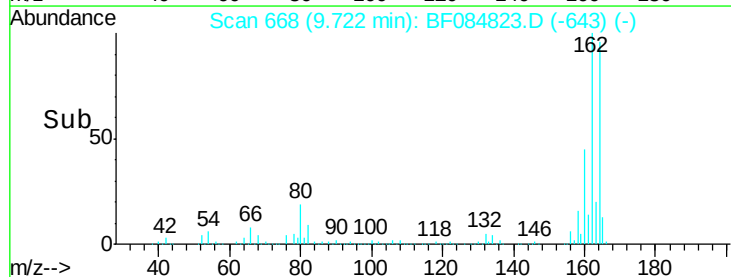
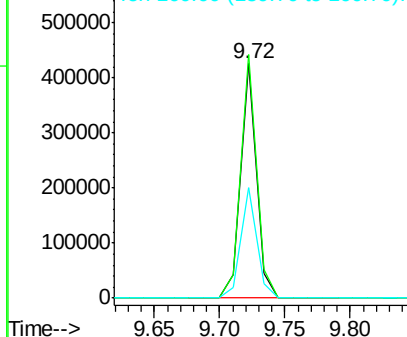


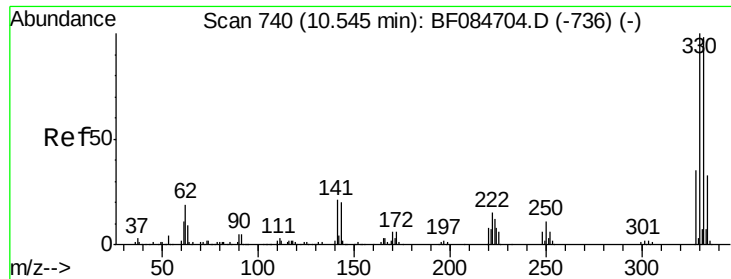
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion	164	Resp	353077
Ion Ratio	Lower	Upper	
164	100		
162	103.9	85.1	127.7
160	47.0	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





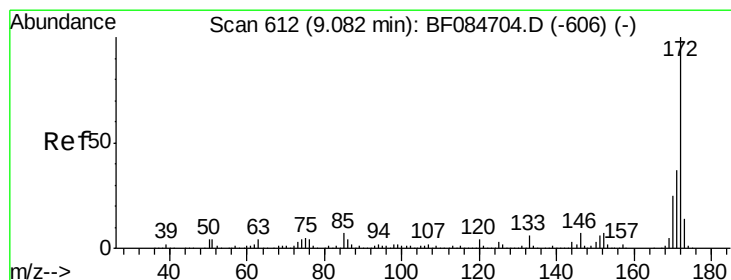
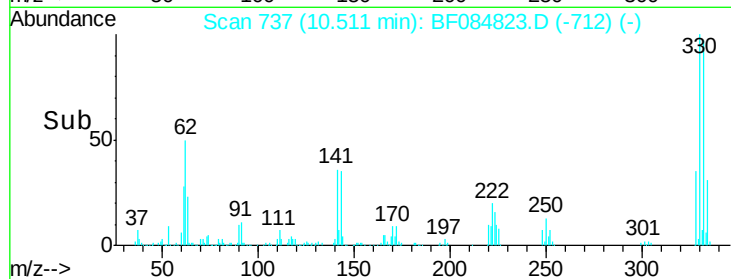
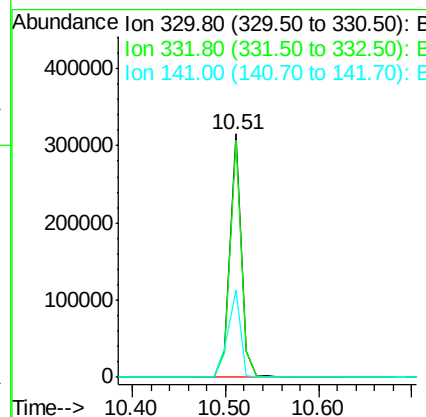
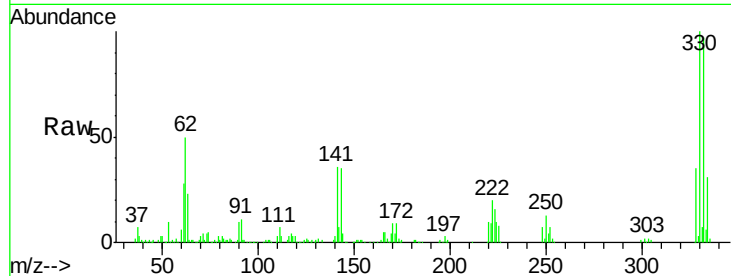
#41
 2,4,6-Tribromophenol
 Concen: 73.10 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Instrument :
 BNA_F
 ClientSampleId :
 S4-B020(10-12)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	269203		
332	96.6		76.6	114.8
141	40.2		27.8	41.6

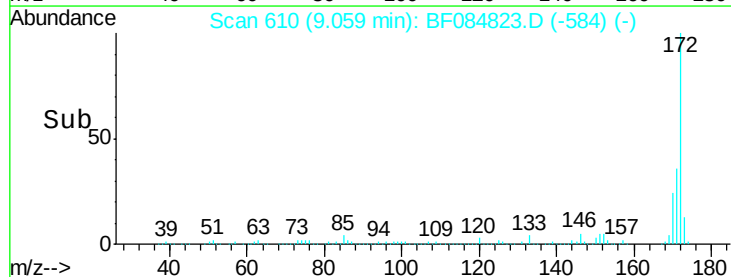
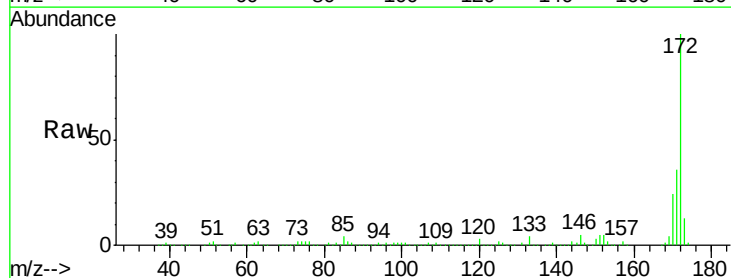
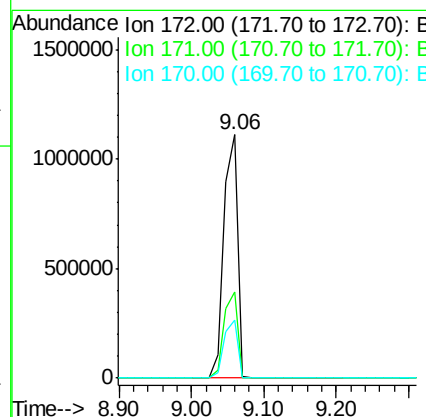
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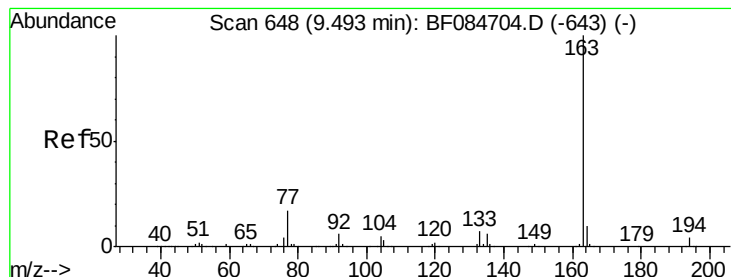
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#44
 2-Fluorobiphenyl
 Concen: 64.28 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1460708		
171	35.6		28.9	43.3
170	23.6		18.6	27.8





#49

Dimethylphthalate

Concen: 11.49 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Instrument :

BNA_F

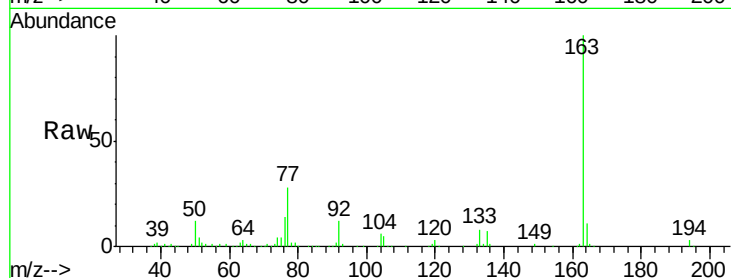
ClientSampleId :

S4-B020(10-12)

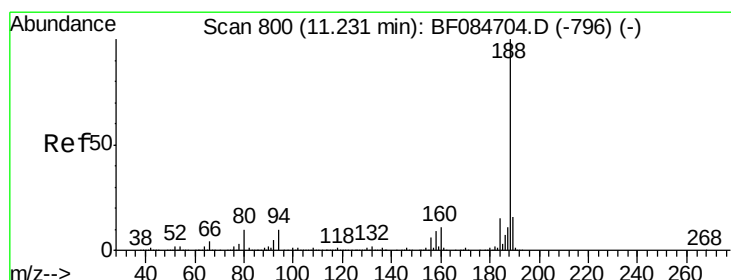
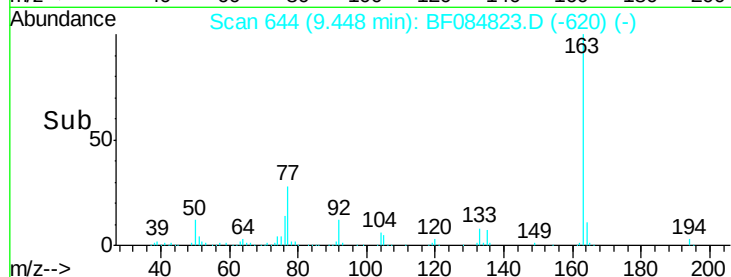
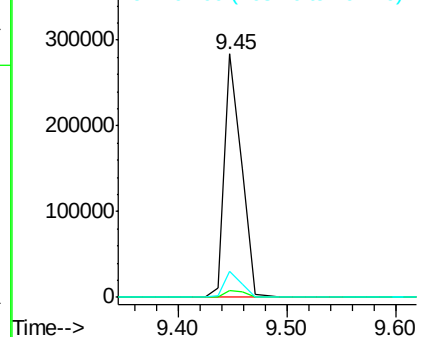
Tot Ion:	163	Resp:	309021
Ion Ratio	Lower	Upper	
163	100		
194	2.8	8.0	12.0#
164	10.6	8.0	12.0

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

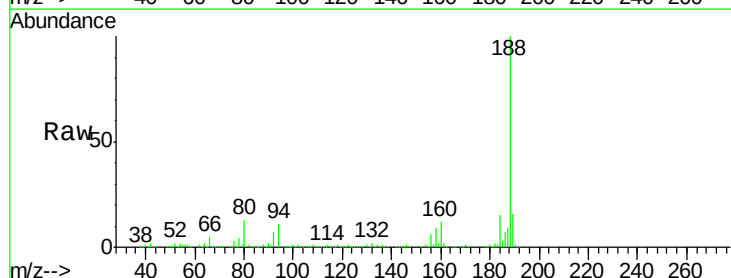
RT: 11.20 min Scan# 797

Delta R.T. -0.01 min

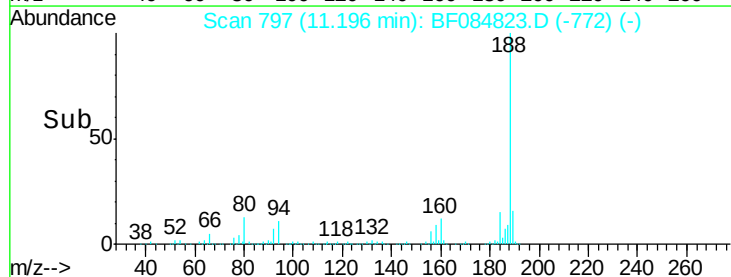
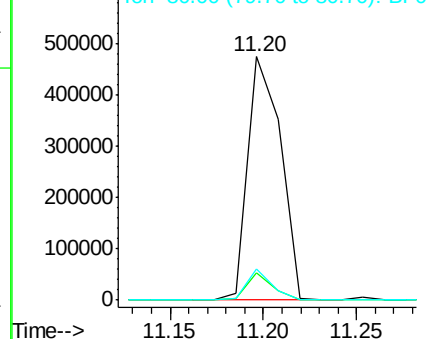
Lab File: BF084823.D

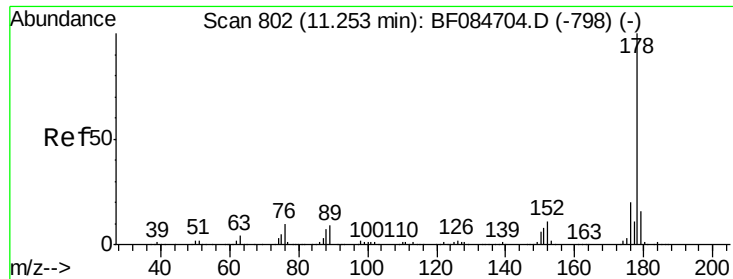
Acq: 4 Feb 2016 9:16

Tgt Ion:	188	Resp:	580278
Ion Ratio	Lower	Upper	
188	100		
94	11.3	9.0	13.4
80	13.0	9.6	14.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





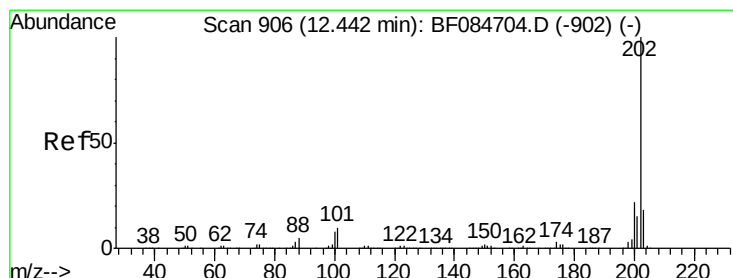
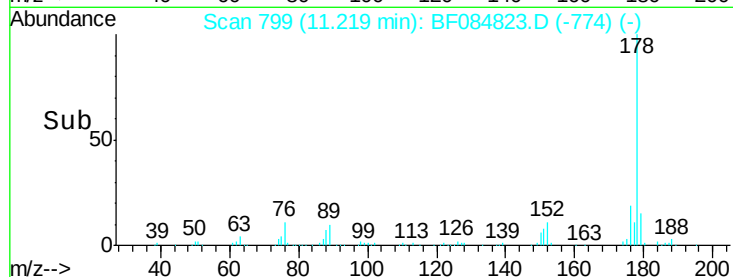
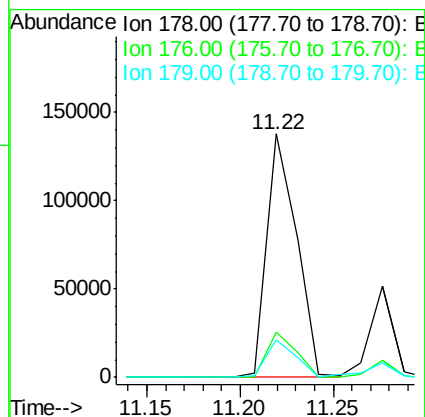
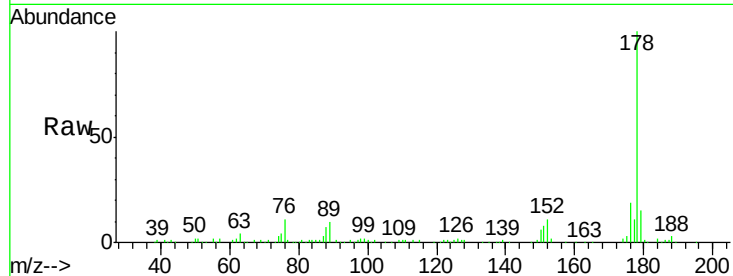
#70
Phenanthrene
Concen: 4.70 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Instrument :
BNA_F
ClientSampleId :
S4-B020(10-12)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.3	12.0	18.0

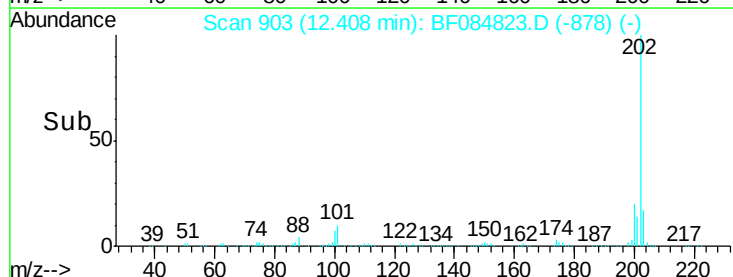
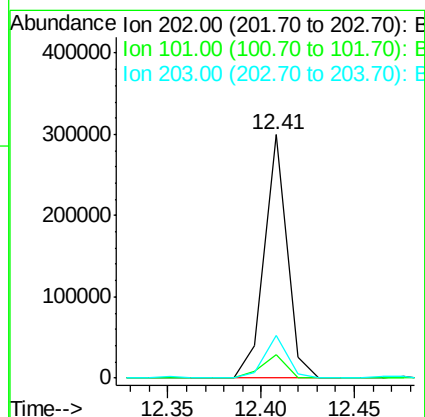
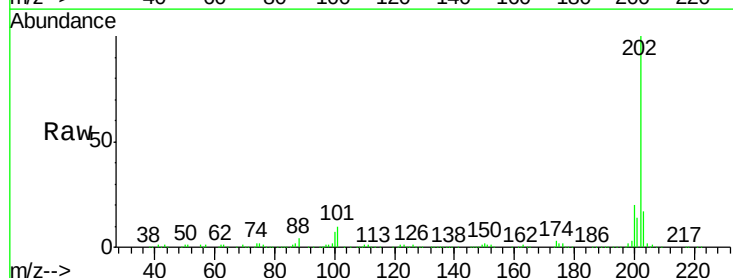
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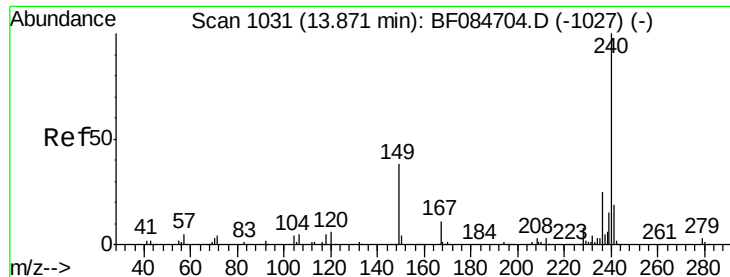
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#74
Fluoranthene
Concen: 7.75 ng
RT: 12.41 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	32.8
203	17.5	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Instrument :

BNA_F

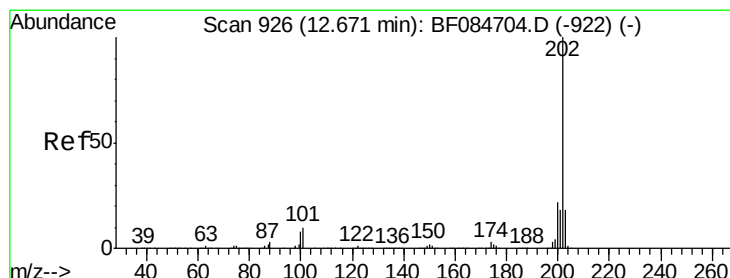
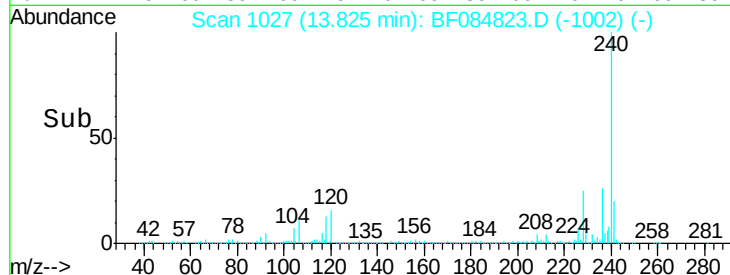
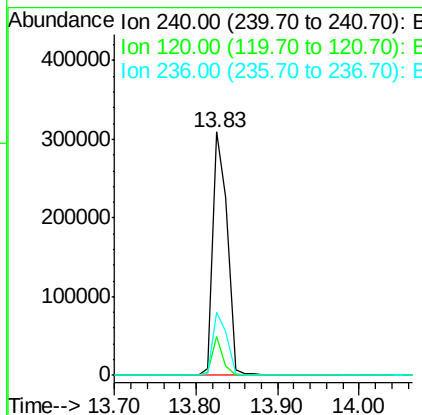
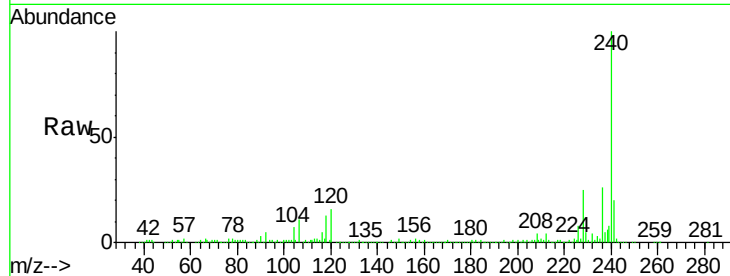
ClientSampleId :

S4-B020(10-12)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	384497		
120	16.0	9.5	14.3#	
236	25.9	20.6	31.0	

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#77

Pyrene

Concen: 8.47 ng

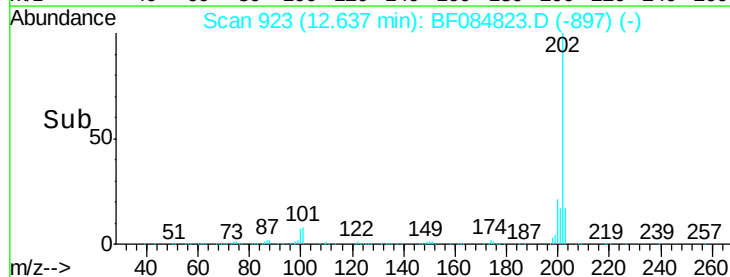
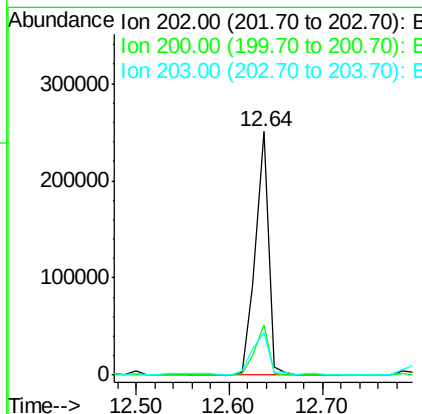
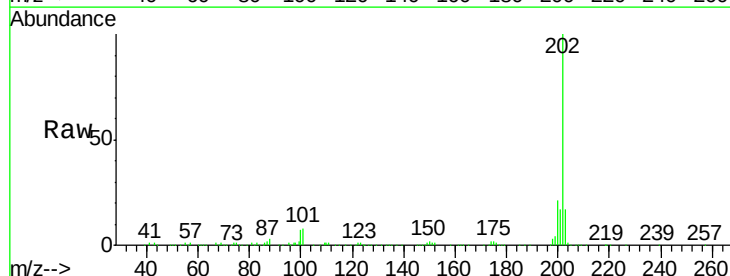
RT: 12.64 min Scan# 923

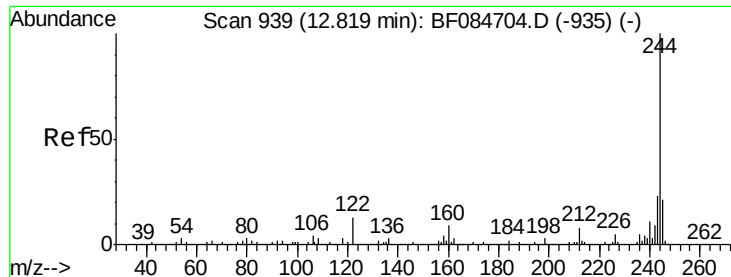
Delta R.T. 0.00 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	249246		
200	20.6	17.2	25.8	
203	17.3	14.3	21.5	





#78

Terphenyl-d14

Concen: 62.15 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Instrument :

BNA_F

ClientSampleId :

S4-B020(10-12)

Tot Ion:244 Resp: 1054501

Ion Ratio Lower Upper

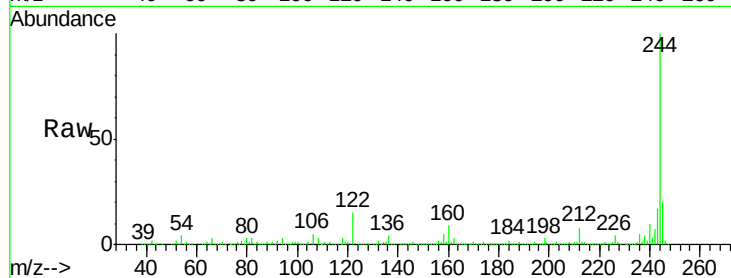
244 100

212 7.6 5.7 8.5

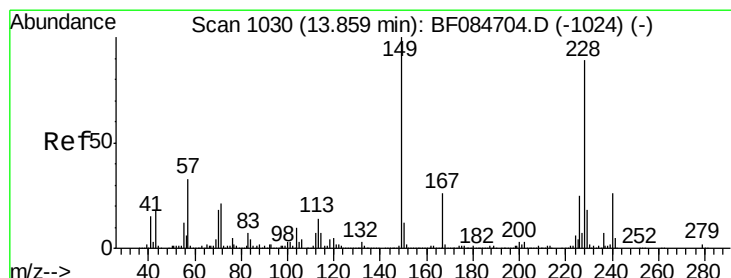
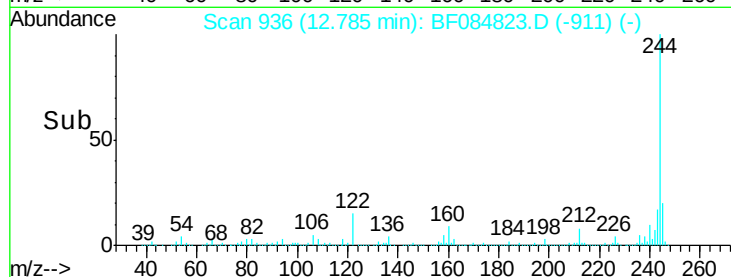
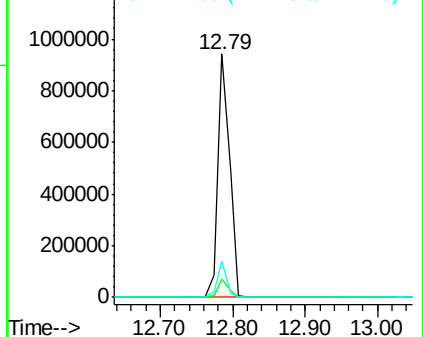
122 14.7 7.4 11.0#

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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: 4.89 ng m

RT: 13.83 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

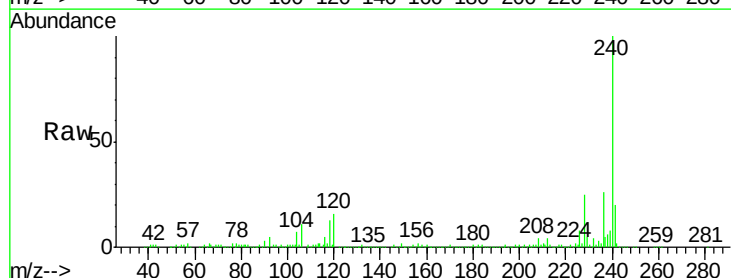
Tgt Ion:228 Resp: 116708

Ion Ratio Lower Upper

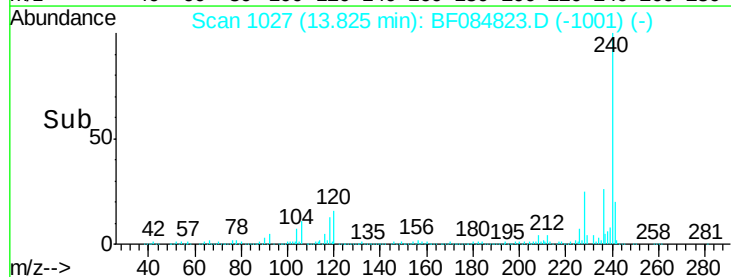
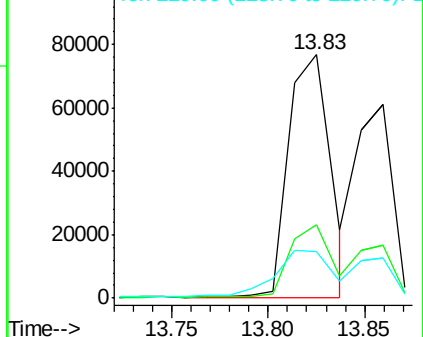
228 100

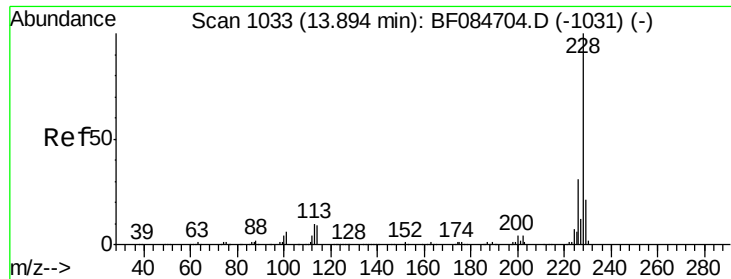
226 30.4 21.8 32.6

229 18.9 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





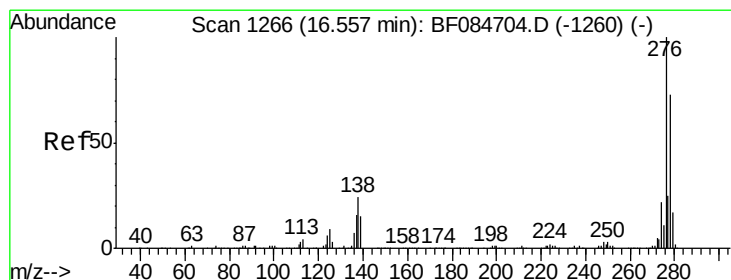
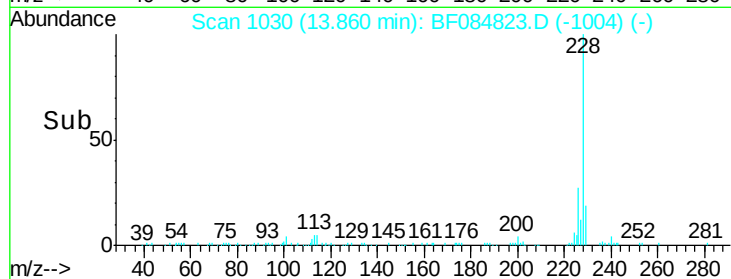
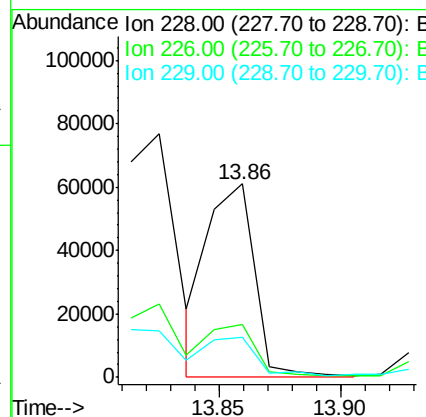
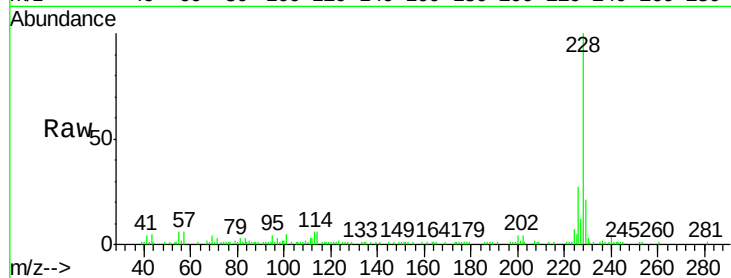
#82
 Chrysene
 Concen: 3.57 ng/ml
 RT: 13.86 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Instrument :
 BNA_F
 ClientSampleID :
 S4-B020(10-12)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.3	36.5
229	20.7	16.1	24.1

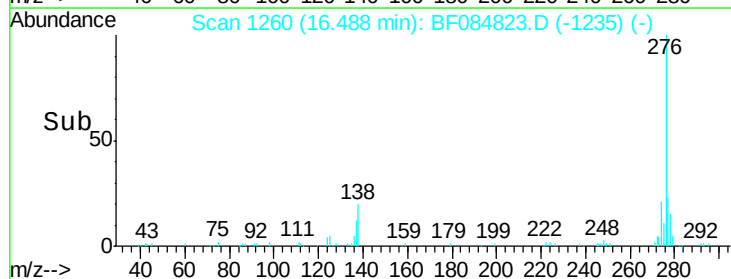
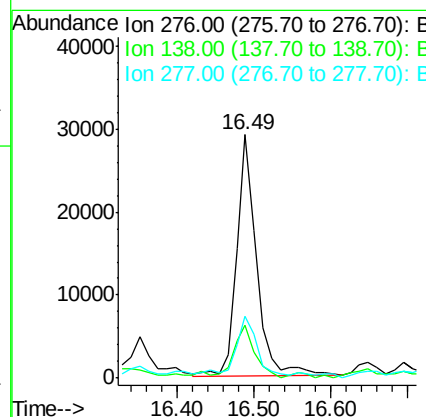
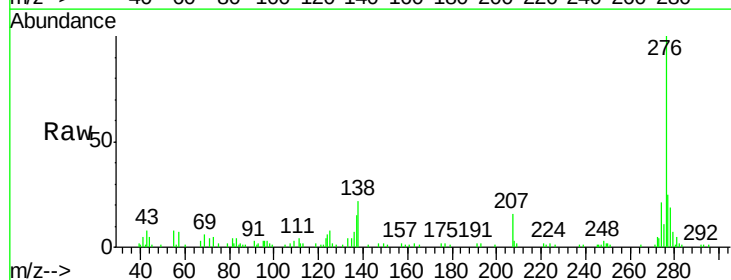
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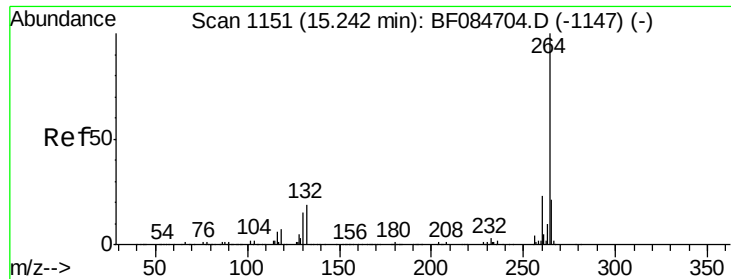
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.93 ng/ml
 RT: 16.49 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.6	30.8
277	25.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Instrument :

BNA_F

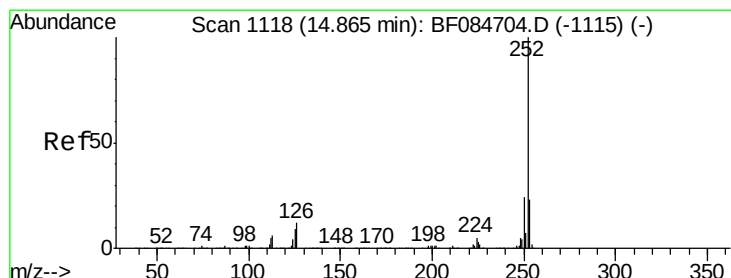
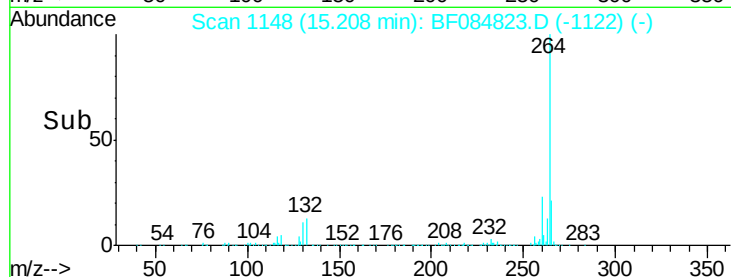
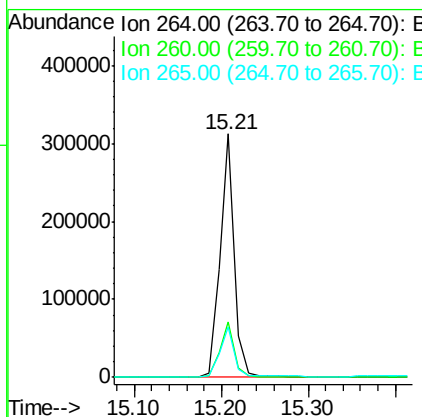
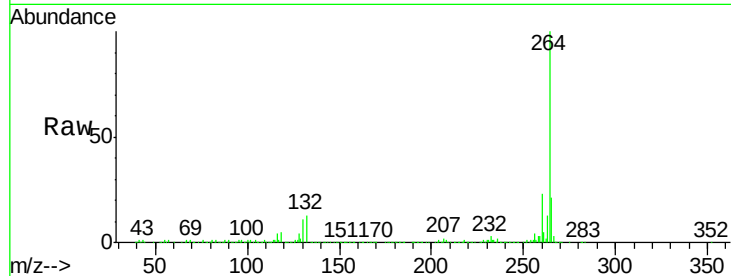
ClientSampleId :

S4-B020(10-12)

Tot Ion:	264	Resp:	361517
Ion Ratio		Lower	Upper
264	100		
260	22.9	19.4	29.2
265	20.8	17.8	26.6

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#87

Benzo(b)fluoranthene

Concen: 4.72 ng m

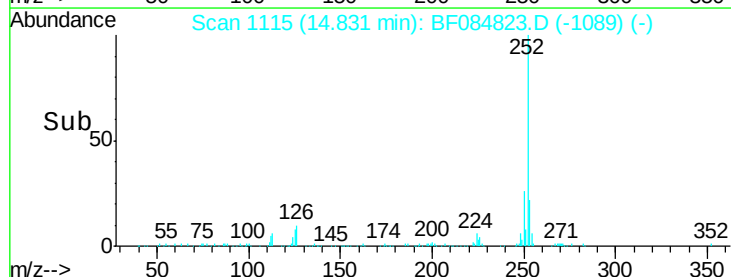
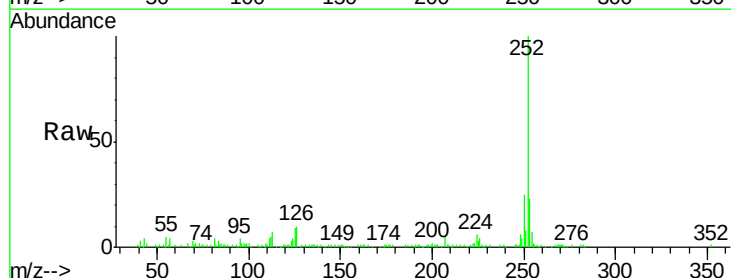
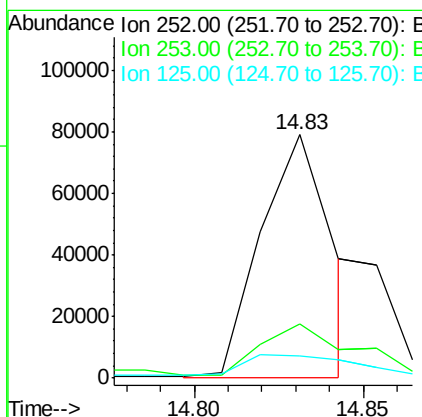
RT: 14.83 min Scan# 1115

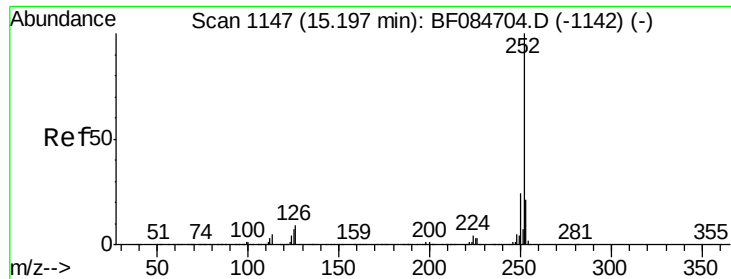
Delta R.T. 0.00 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Tgt Ion:	252	Resp:	114707
Ion Ratio		Lower	Upper
252	100		
253	22.5	17.3	25.9
125	8.9	6.5	9.7





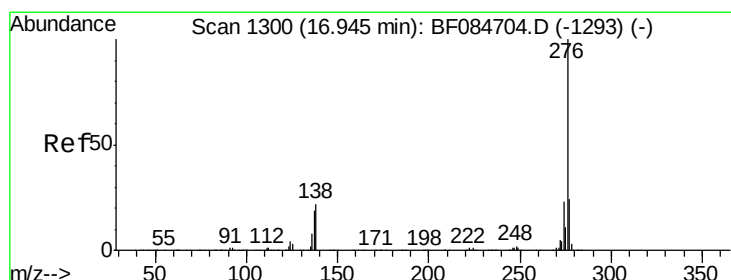
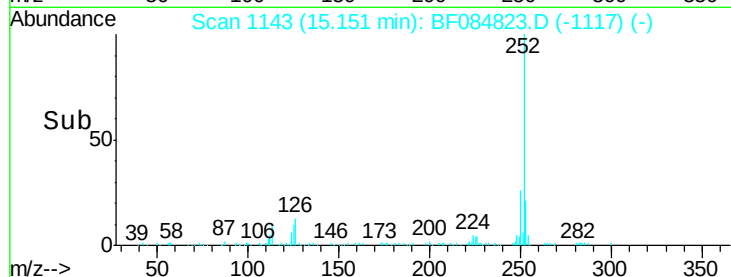
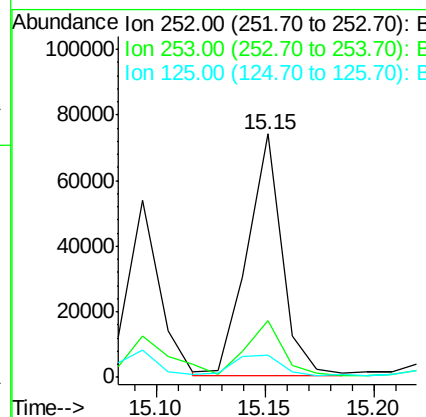
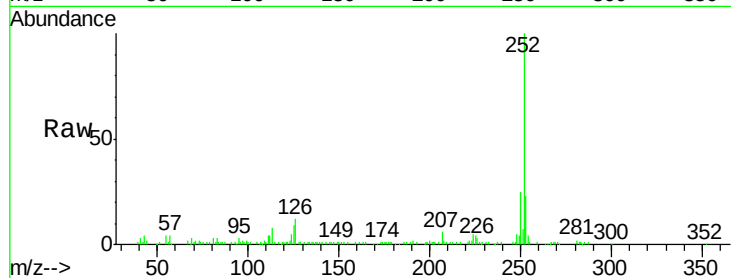
#89
Benzo(a)pyrene
Concen: 3.99 ng
RT: 15.15 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Instrument :
BNA_F
ClientSampleId :
S4-B020(10-12)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	23.3	17.3	25.9		
125	9.4	7.0	10.4		

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#91
Benzo(g,h,i)perylene
Concen: 3.06 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	22.4	18.8	28.2		
138	21.6	17.8	26.6		

