

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083900.D
 Acq On : 18 Dec 2015 6:40
 Operator : UM/SJ
 Sample : G4759-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K210-0-2

Manual Integrations
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 12/18/2015 6:22:02 PM

Quant Time: Dec 18 07:42:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	73793	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	261730	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	119530	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	147638	20.00	ng	0.02
75) Chrysene-d12	14.08	240	111180	20.00	ng	0.05
86) Perylene-d12	15.54	264	95576	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	356903	75.69	ng	0.01
7) Phenol-d6	6.52	99	427230	74.02	ng	0.01
23) Nitrobenzene-d5	7.44	82	240758	52.50	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	86209	65.47	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	519627	58.05	ng	0.00
78) Terphenyl-d14	13.01	244	251041	50.23	ng	0.03
Target Compounds						
49) Dimethylphthalate	9.63	163	126223	12.58	ng	99
70) Phenanthrene	11.44	178	24858	2.79	ng	# 69
74) Fluoranthene	12.65	202	33652	3.78	ng	63
77) Pyrene	12.88	202	49320	3.96	ng	# 89
80) Benzo(a)anthracene	14.07	228	32177	4.71	ng	# 73
82) Chrysene	14.10	228	24949m	3.78	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	29207	5.91	ng	97
87) Benzo(b)fluoranthene	15.12	252	44637m	6.41	ng	
88) Benzo(k)fluoranthene	15.13	252	14616m	2.54	ng	
91) Benzo(g,h,i)perylene	17.43	276	56176	12.80	ng	# 89

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

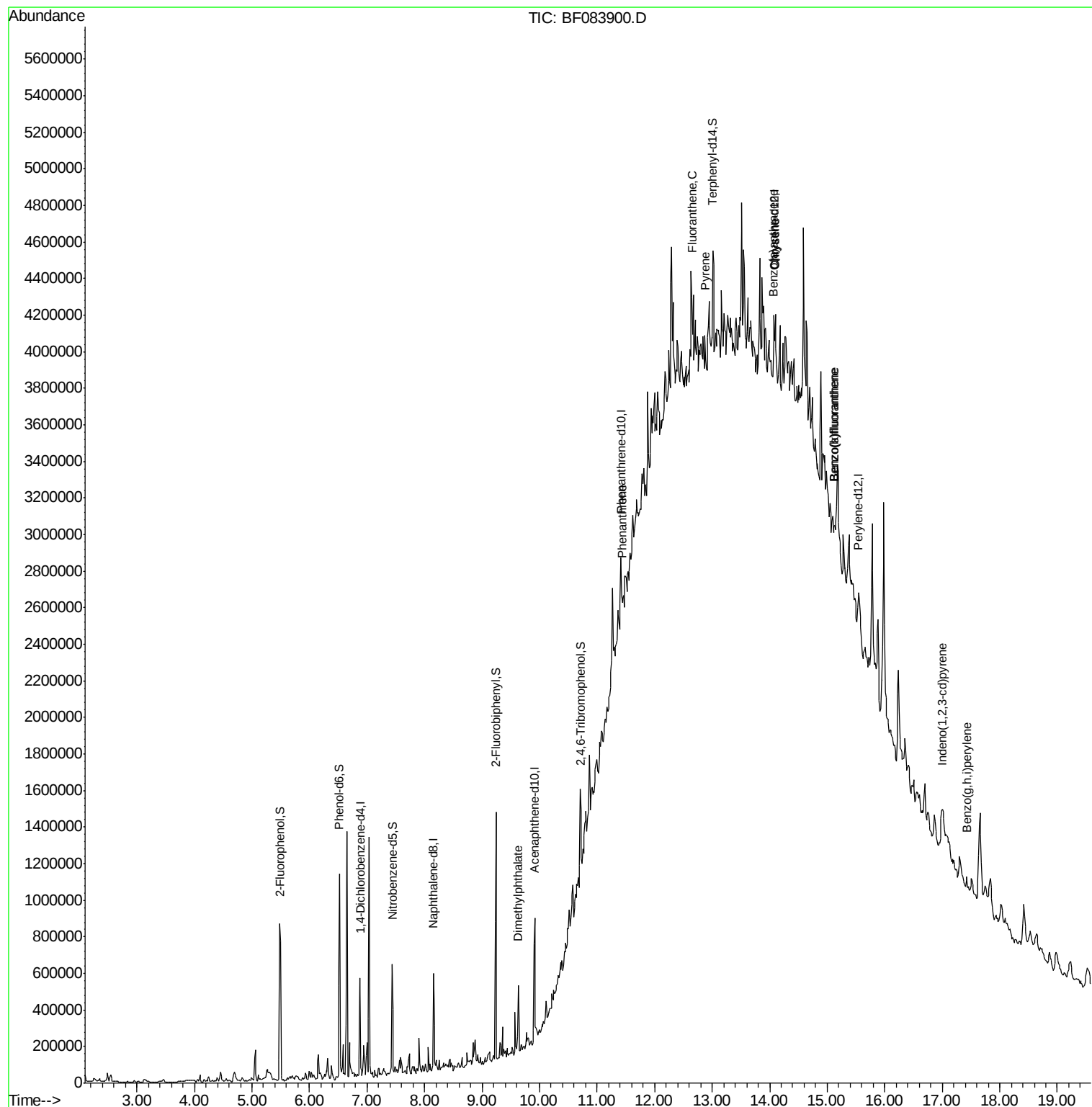
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083900.D
Acq On : 18 Dec 2015 6:40
Operator : UM/SJ
Sample : G4759-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

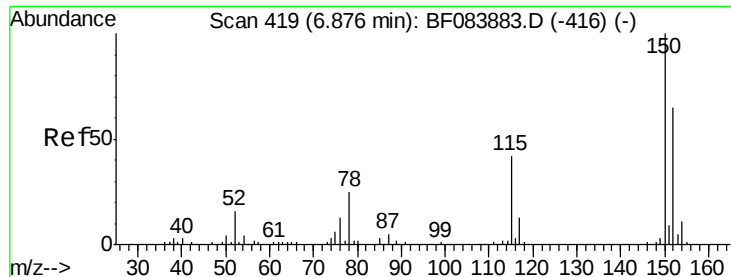
Instrument :
BNA_F
ClientSampleId :
K210-0-2

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#1

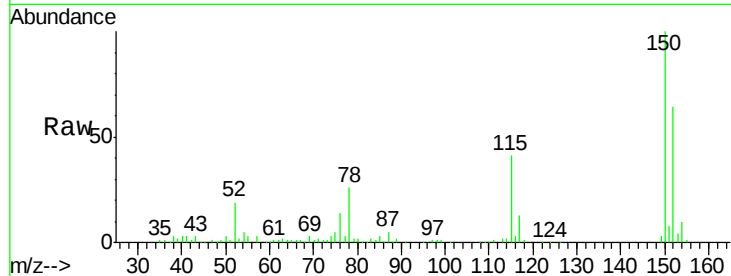
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Instrument :
BNA_F
ClientSampleId :
K210-0-2

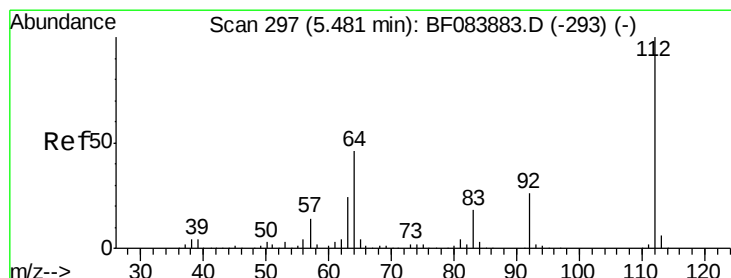
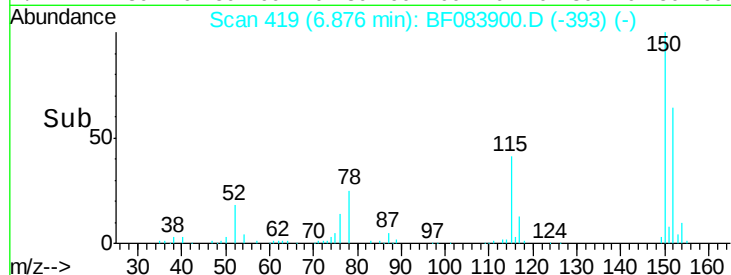
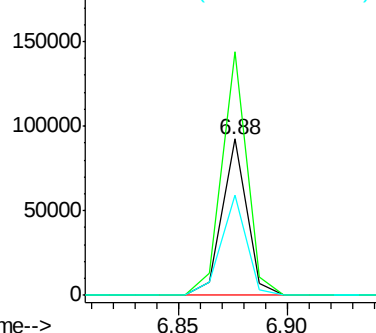
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	73793		
150	156.0	123.0	184.4	
115	64.5	51.4	77.2	

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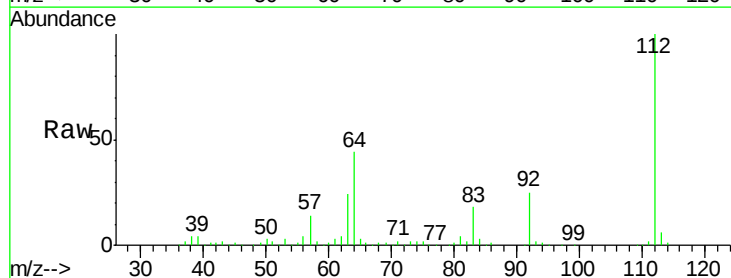
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



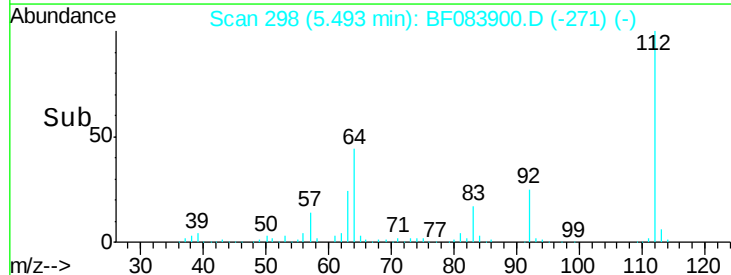
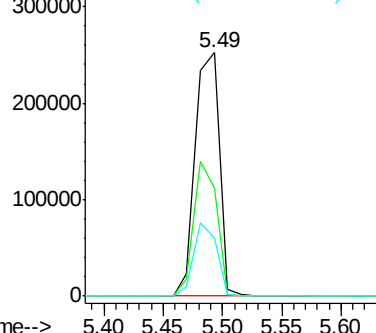
#5

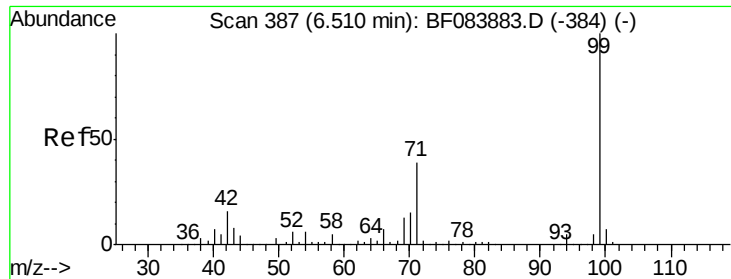
2-Fluorophenol
Concen: 75.69 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	356903		
64	44.1	36.6	55.0	
63	24.1	19.4	29.0	



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 74.02 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

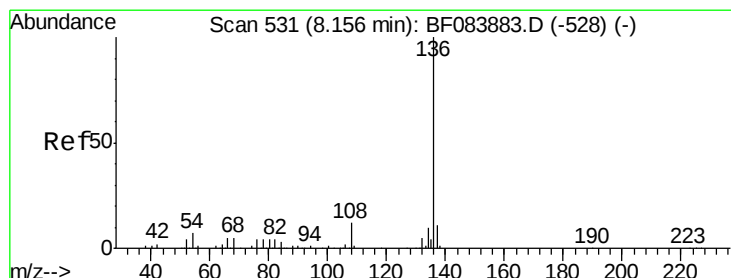
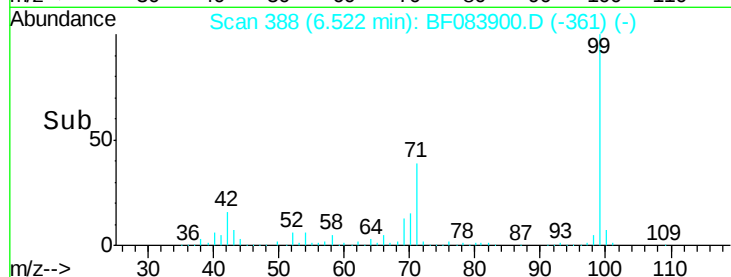
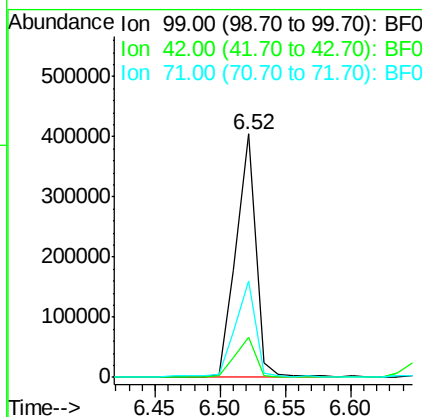
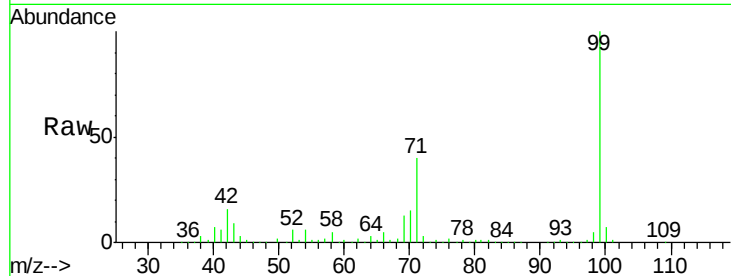
ClientSampleId :

K210-0-2

Tgt Ion:	99	Resp:	427230
Ion Ratio	Lower	Upper	
99	100		
42	16.3	12.8	19.2
71	39.8	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

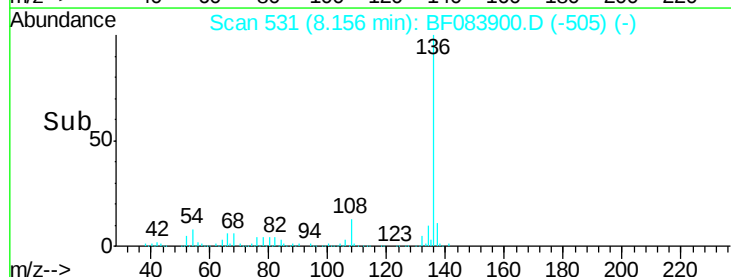
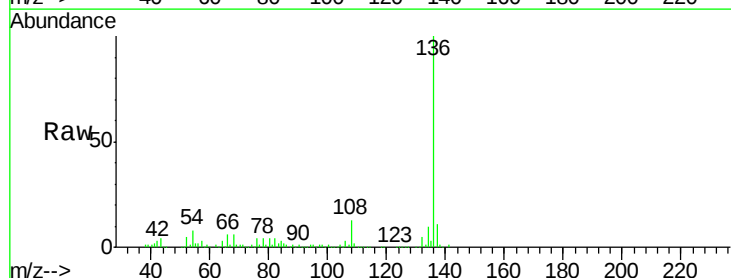
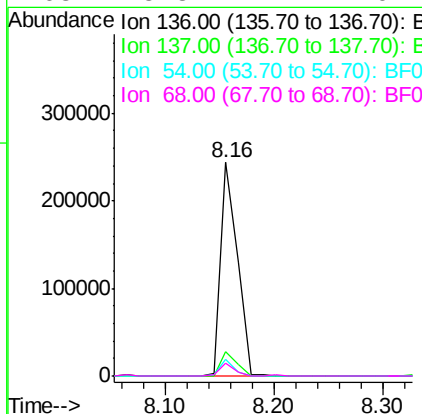
RT: 8.16 min Scan# 531

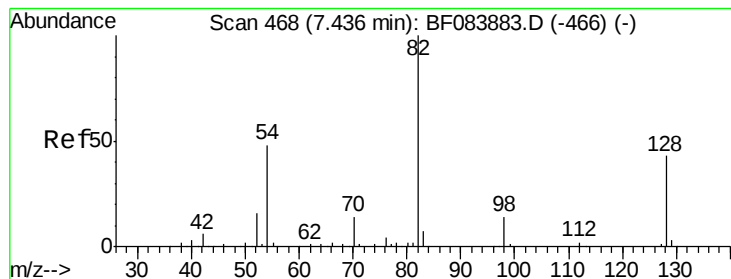
Delta R.T. -0.00 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Tgt Ion:	136	Resp:	261730
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.7	13.1
54	7.9	5.8	8.8
68	5.8	4.2	6.2





#23

Nitrobenzene-d5

Concen: 52.50 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

Tgt Ion: 82 Resp: 240758
Ion Ratio Lower Upper

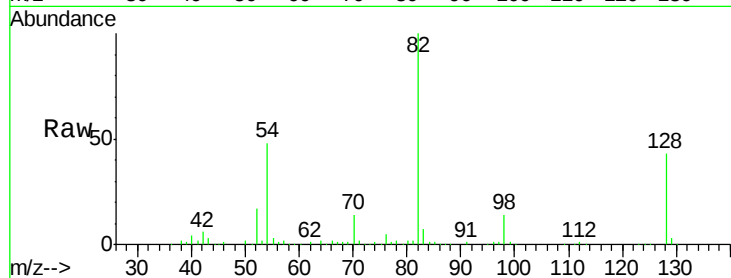
82 100

128 42.7 34.6 51.8

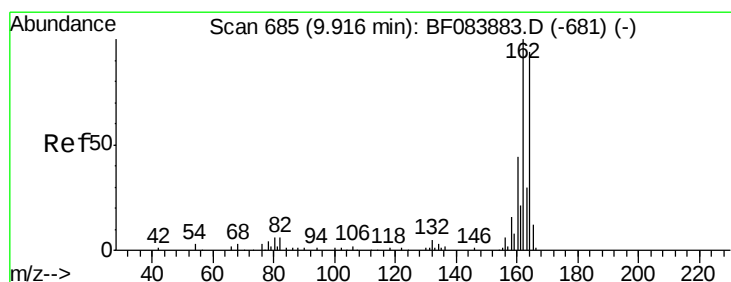
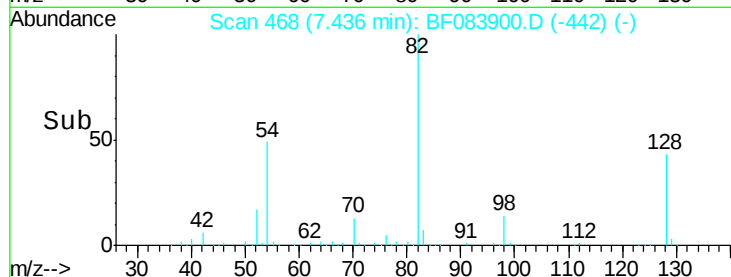
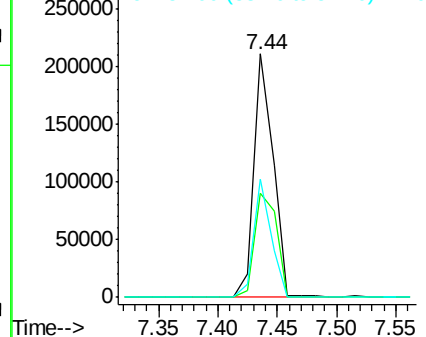
54 48.5 38.4 57.6

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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: 9.92 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF083900.D

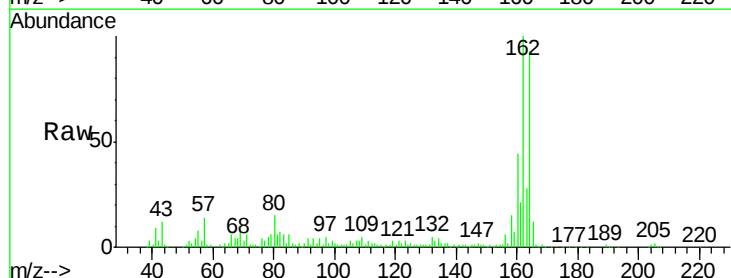
Acq: 18 Dec 2015 6:40

Tgt Ion:164 Resp: 119530
Ion Ratio Lower Upper

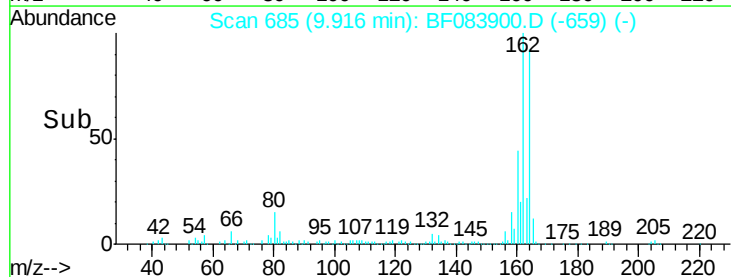
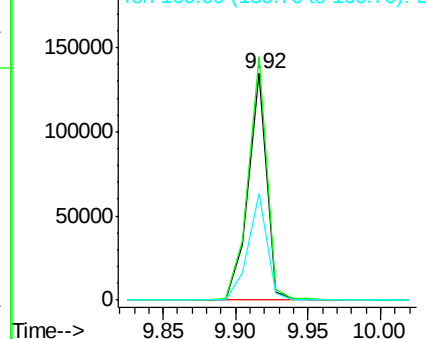
164 100

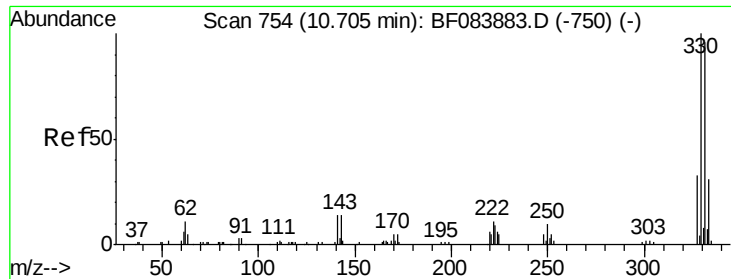
162 107.5 85.1 127.7

160 47.2 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





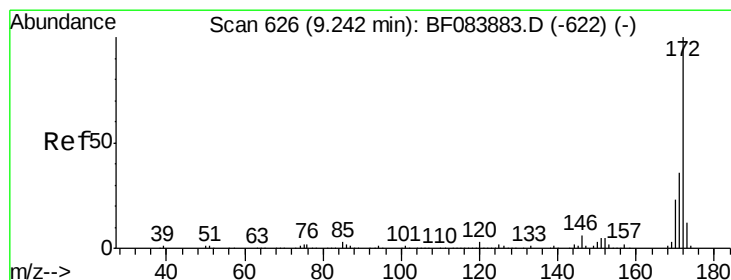
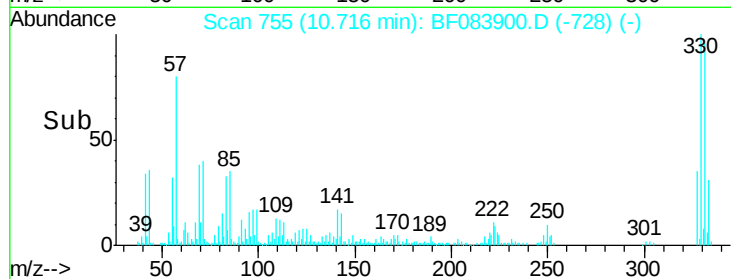
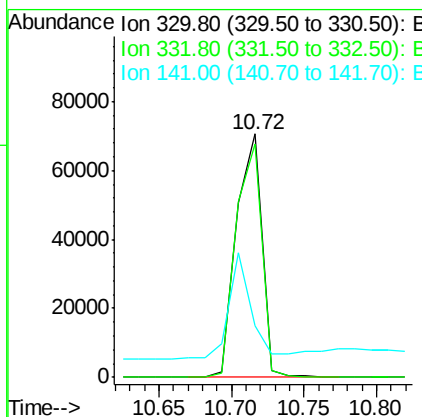
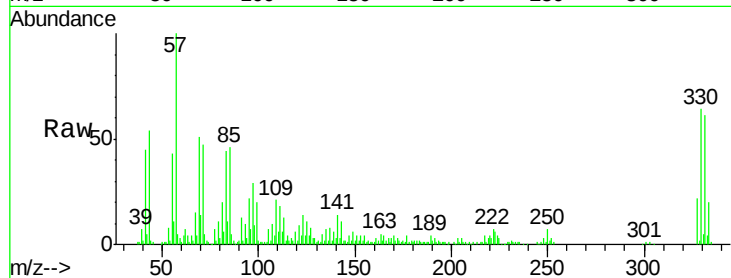
#41
 2,4,6-Tribromophenol
 Concen: 65.47 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: BF083900.D
 Acq: 18 Dec 2015 6:40

Instrument :
 BNA_F
 ClientSampleId :
 K210-0-2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	86209		
332	97.6	76.6	114.8	
141	38.4	27.8	41.6	

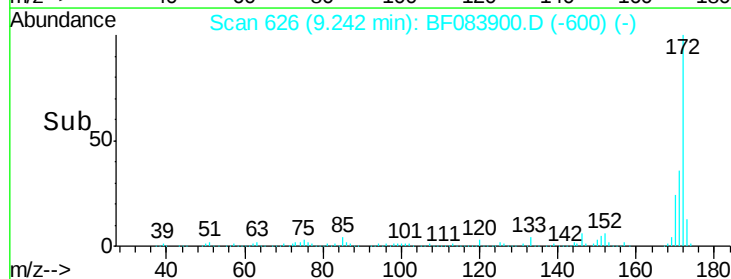
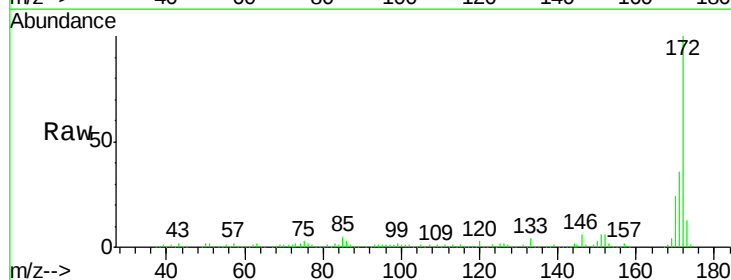
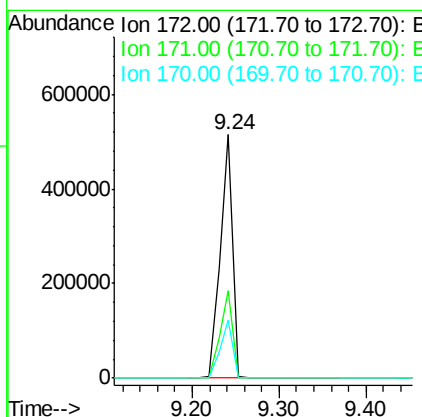
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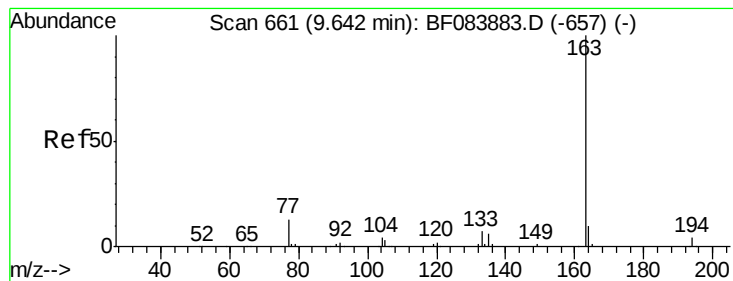
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#44
 2-Fluorobiphenyl
 Concen: 58.05 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083900.D
 Acq: 18 Dec 2015 6:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	519627		
171	35.7	28.9	43.3	
170	23.6	18.6	27.8	





#49

Dimethylphthalate

Concen: 12.58 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

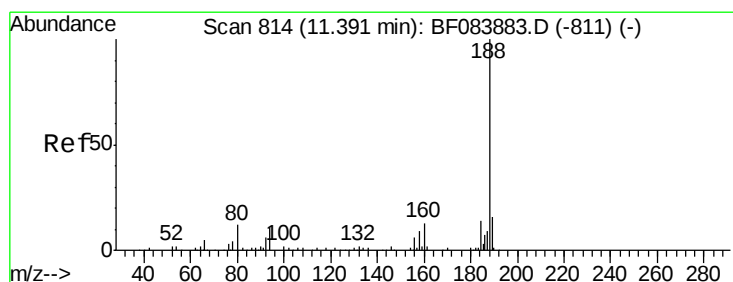
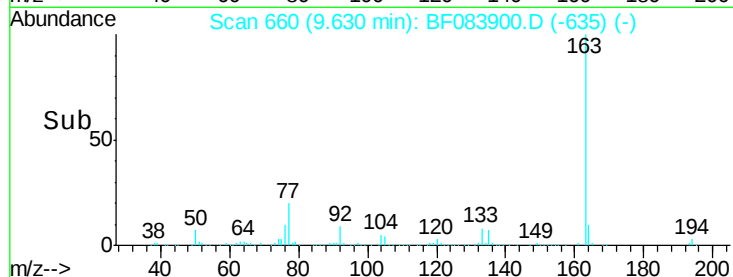
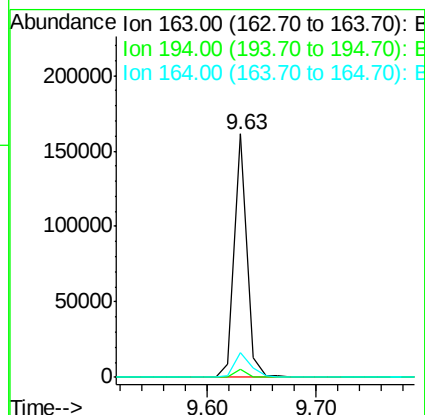
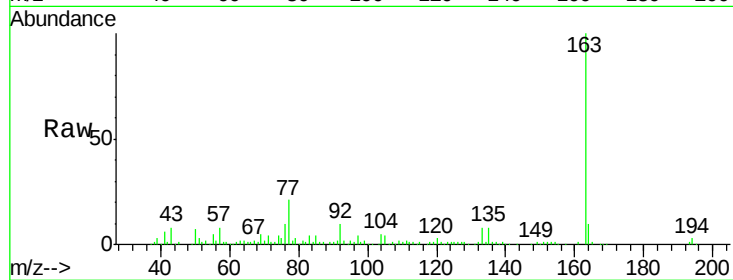
ClientSampleId :

K210-0-2

Tgt Ion:	163	Resp:	126223
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.0	4.6
164	10.0	7.9	11.9

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#63

Phenanthrene-d10

Concen: 20.00 ng

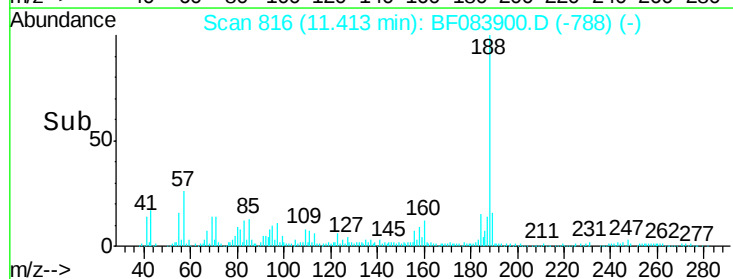
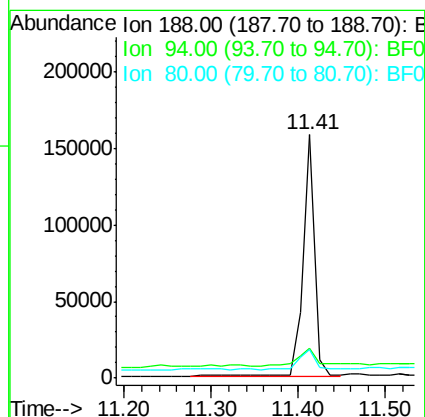
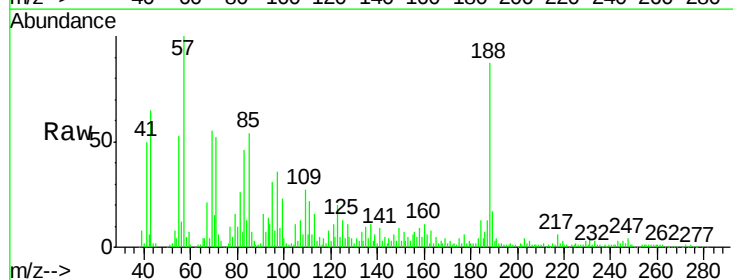
RT: 11.41 min Scan# 816

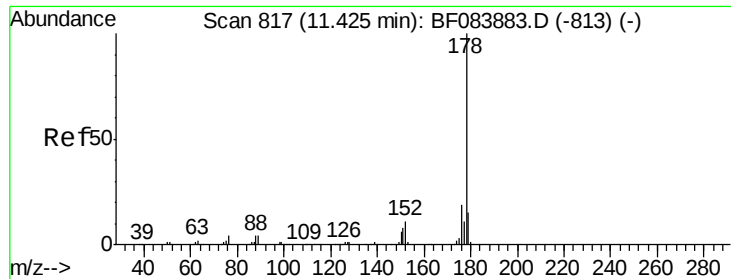
Delta R.T. 0.02 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Tgt Ion:	188	Resp:	147638
Ion Ratio	Lower	Upper	
188	100		
94	12.5	9.0	13.4
80	11.9	9.6	14.4





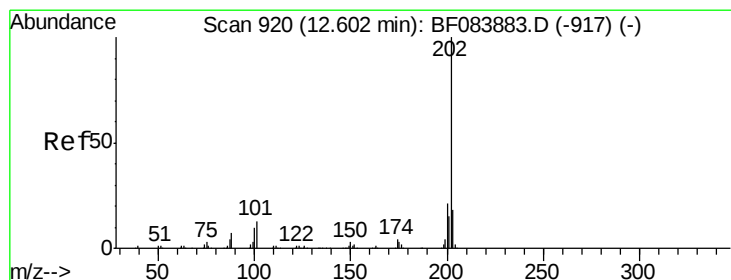
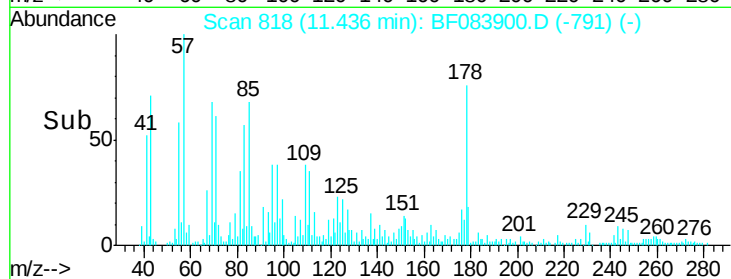
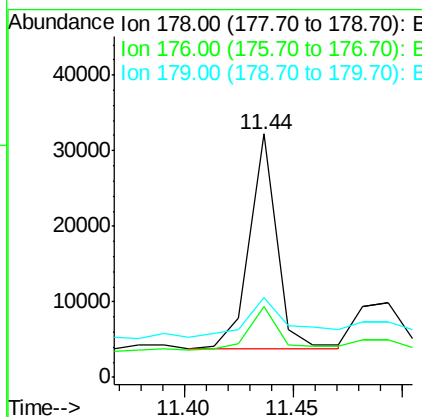
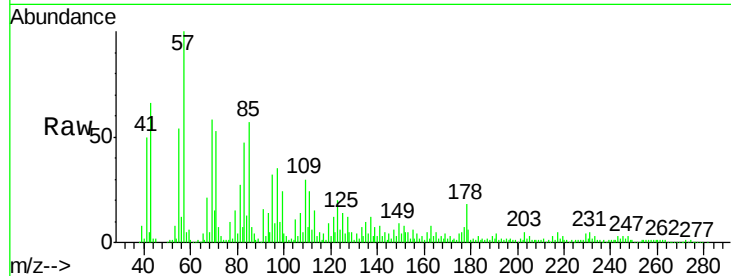
#70
Phenanthrene
Concen: 2.79 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.01 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Instrument :
BNA_F
ClientSampleId :
K210-0-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	29.2	15.3	22.9#
179	32.5	12.0	18.0#

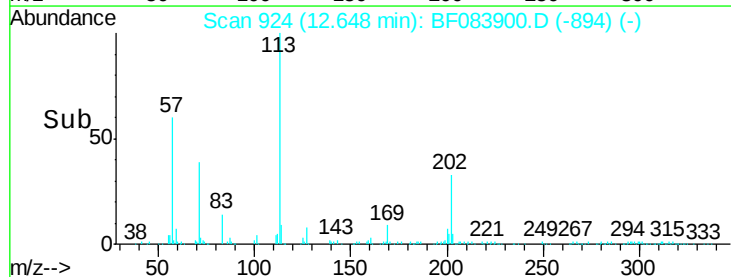
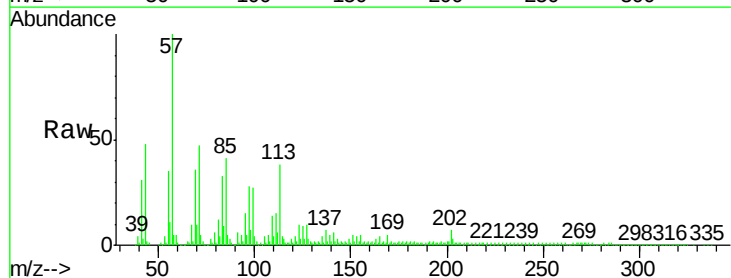
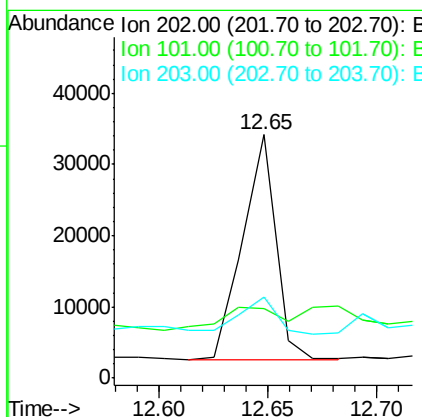
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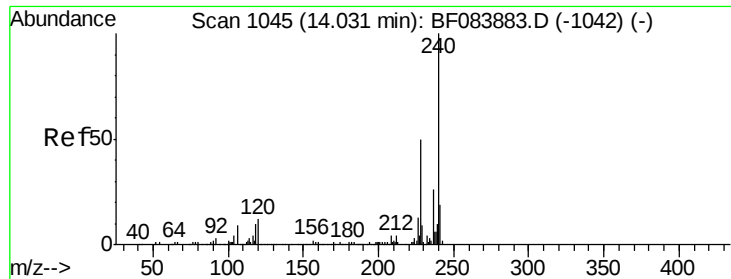
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#74
Fluoranthene
Concen: 3.78 ng
RT: 12.65 min Scan# 924
Delta R.T. 0.05 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	28.6	0.0	32.8
203	33.5	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. 0.05 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

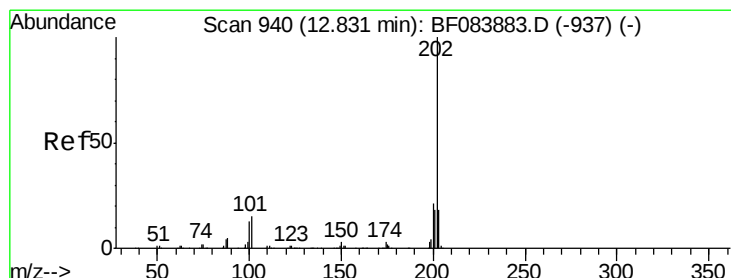
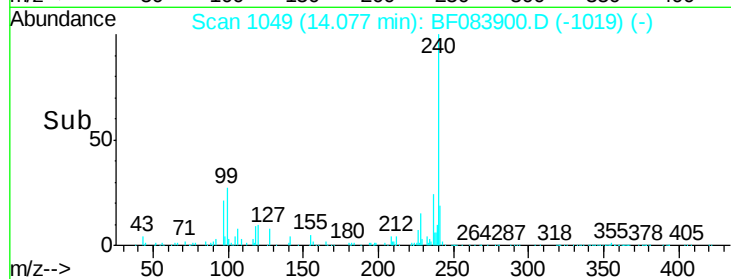
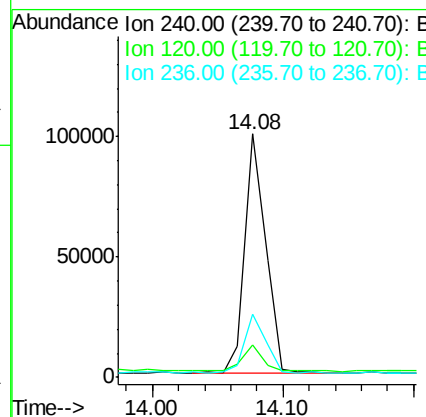
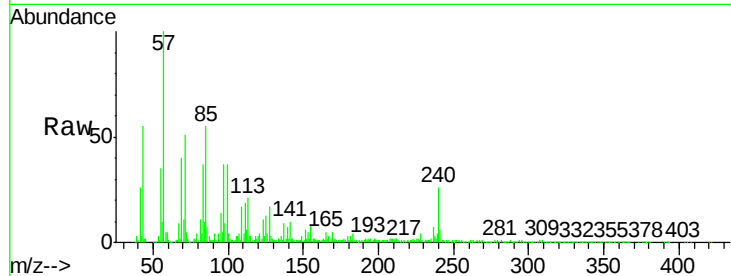
ClientSampleId :

K210-0-2

Tgt Ion:	240	Resp:	111180
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	25.8	20.6	31.0

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#77

Pyrene

Concen: 3.96 ng

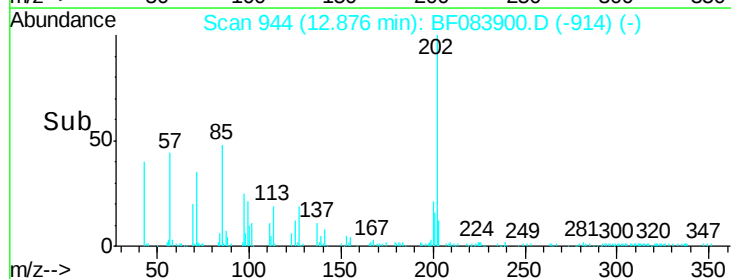
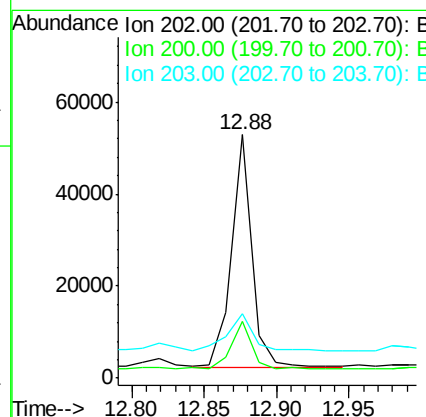
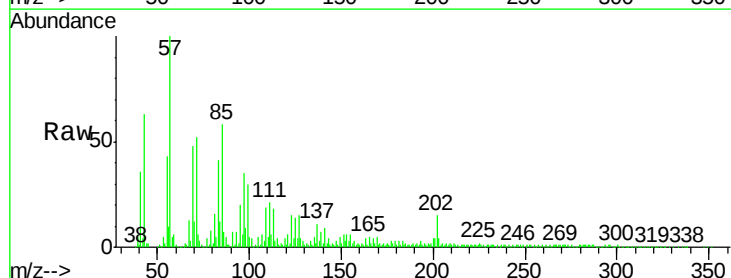
RT: 12.88 min Scan# 944

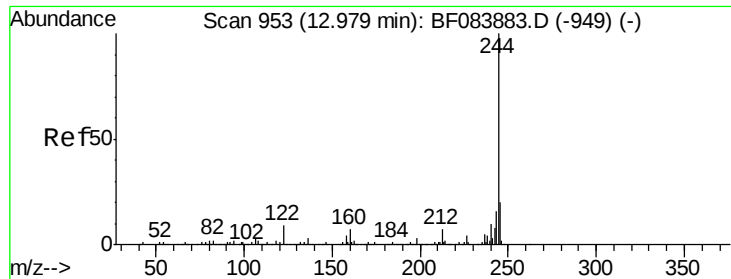
Delta R.T. 0.05 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Tgt Ion:	202	Resp:	49320
Ion Ratio	Lower	Upper	
202	100		
200	23.5	17.2	25.8
203	26.3	14.3	21.5#





#78

Terphenyl-d14

Concen: 50.23 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.03 min

Lab File: BF083900.D

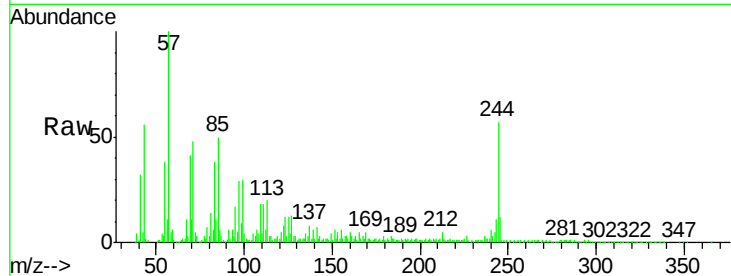
Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

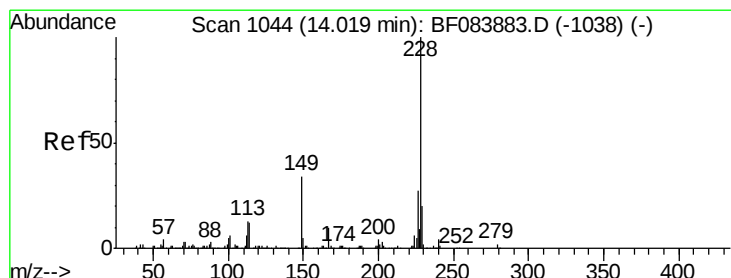
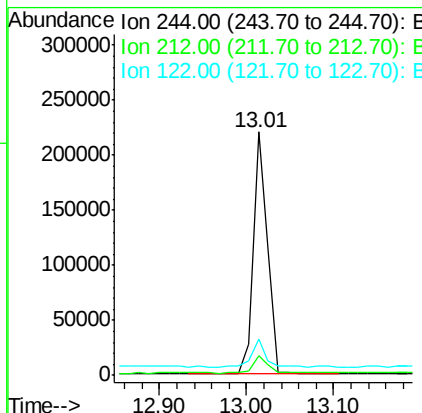
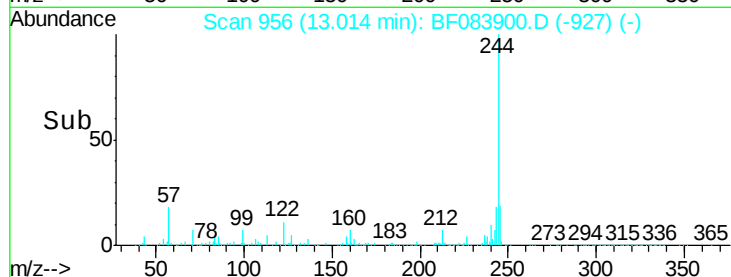
K210-0-2



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	251041		
212	8.0	5.7	8.5	
122	14.7	7.4	11.0	

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#80

Benzo(a)anthracene

Concen: 4.71 ng

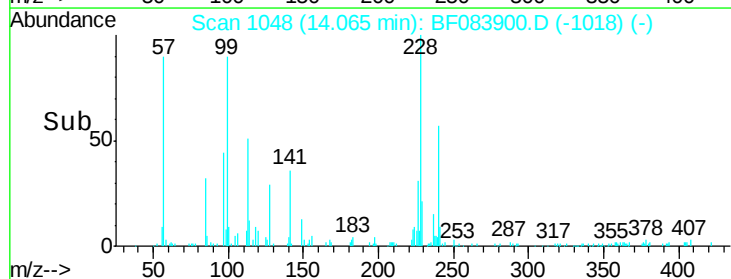
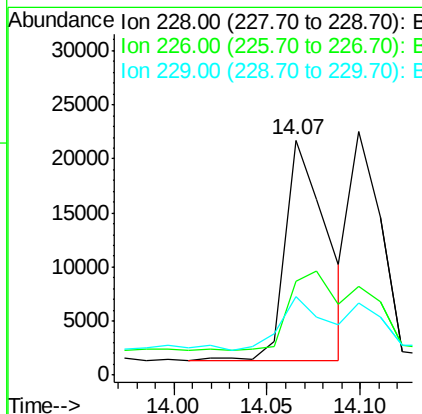
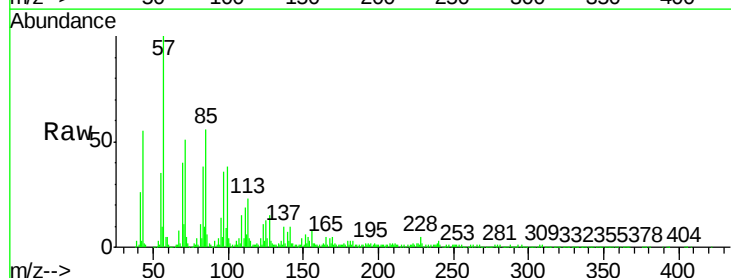
RT: 14.07 min Scan# 1048

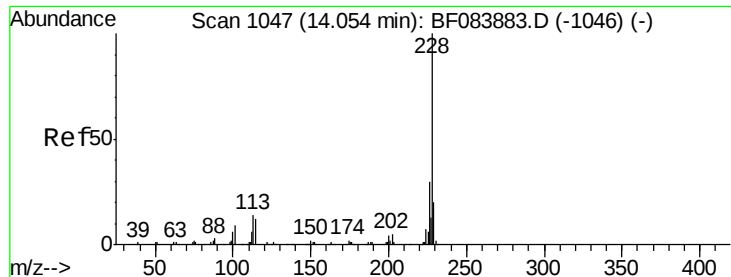
Delta R.T. 0.05 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	32177		
226	39.9	21.8	32.6	#
229	33.5	15.8	23.8	#





#82

Chrysene

Concen: 3.78 ng m

RT: 14.10 min Scan# 1051

Delta R.T. 0.05 min

Lab File: BF083900.D

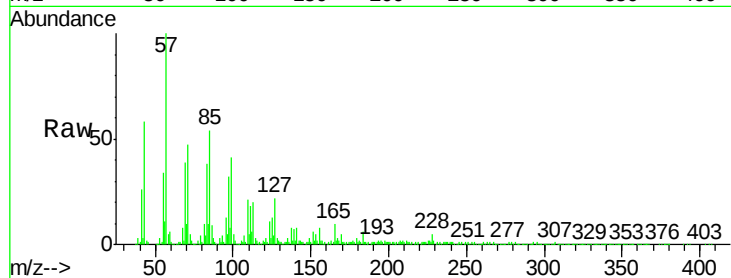
Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

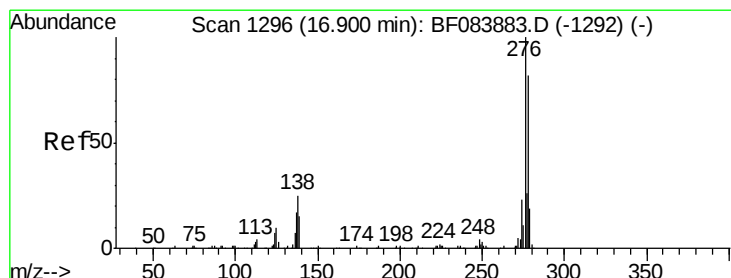
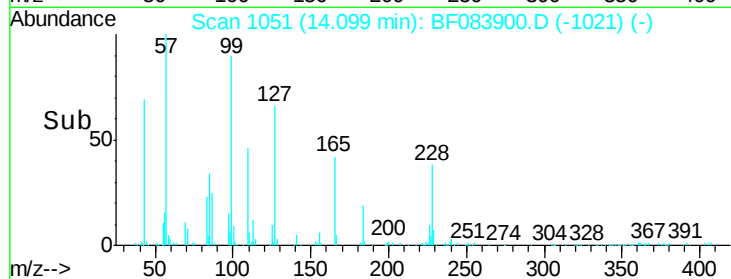
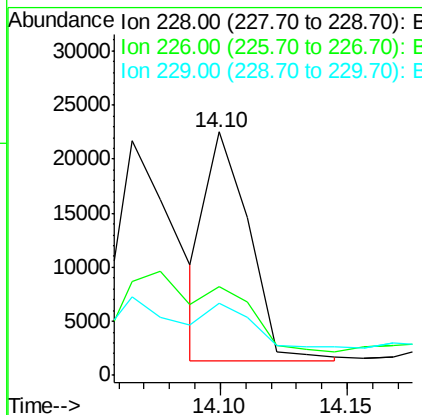
K210-0-2



Tgt Ion:	228	Resp:	24949
Ion Ratio	Lower	Upper	
228	100		
226	36.5	24.3	36.5
229	29.4	16.1	24.1#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.91 ng

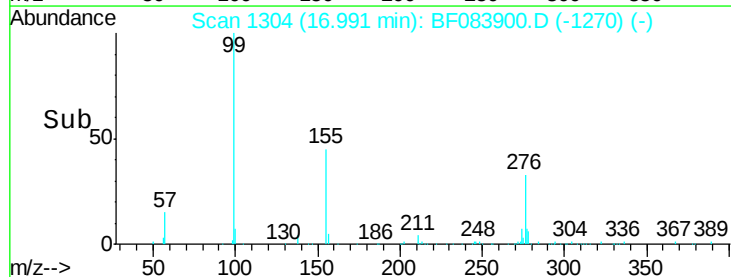
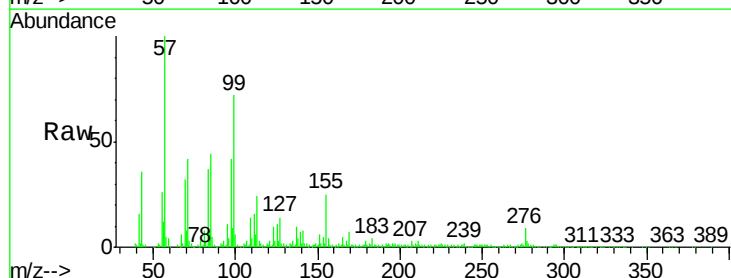
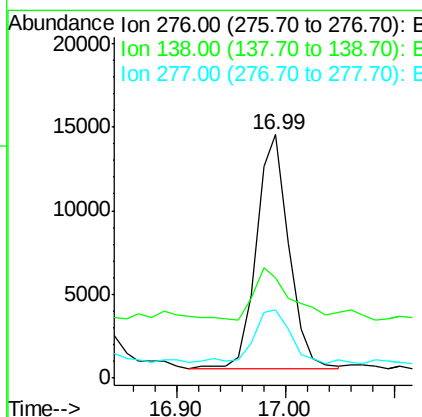
RT: 16.99 min Scan# 1304

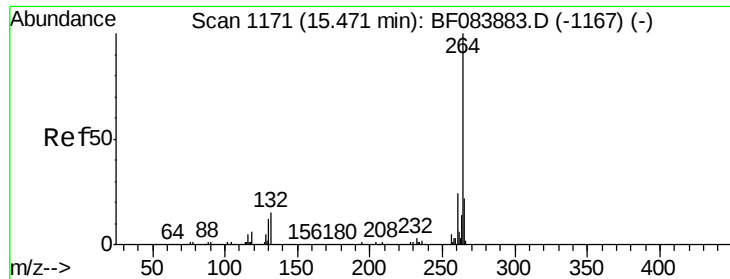
Delta R.T. 0.09 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Tgt Ion:	276	Resp:	29207
Ion Ratio	Lower	Upper	
276	100		
138	27.4	20.6	30.8
277	26.5	20.1	30.1





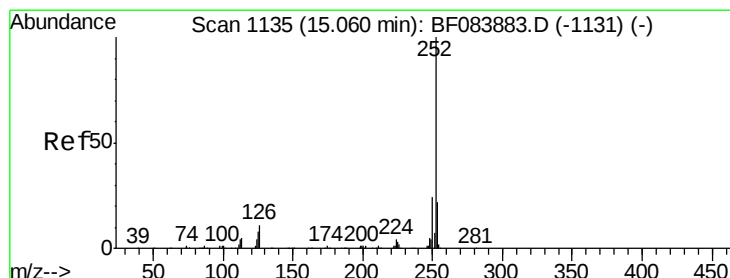
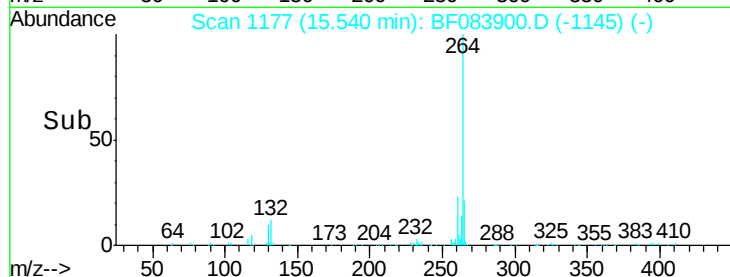
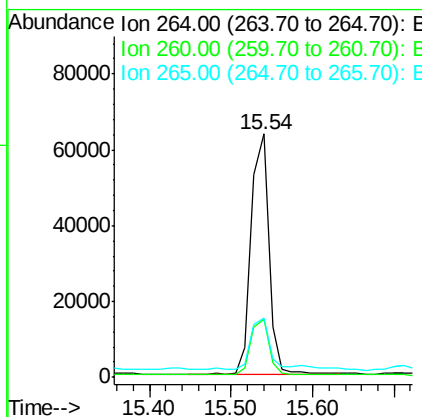
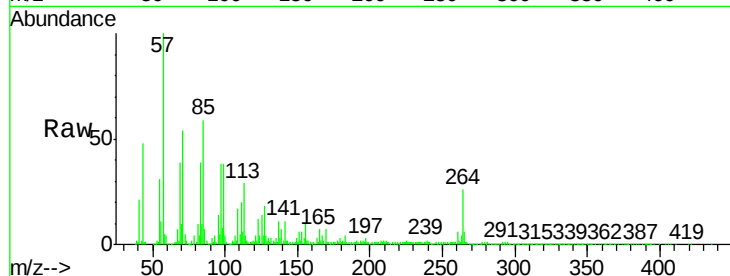
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. 0.07 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Instrument :
BNA_F
ClientSampleId :
K210-0-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	24.1	17.8	26.6

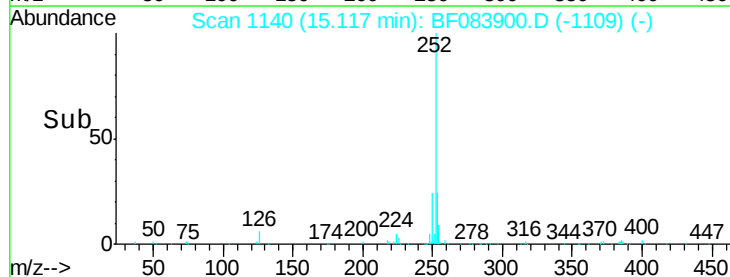
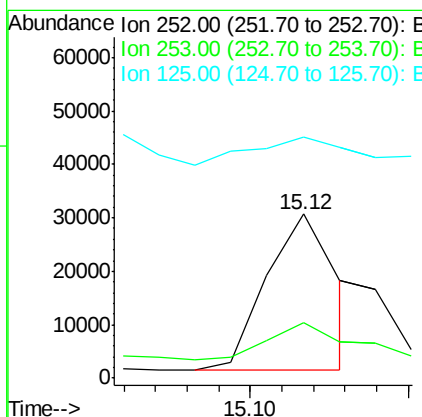
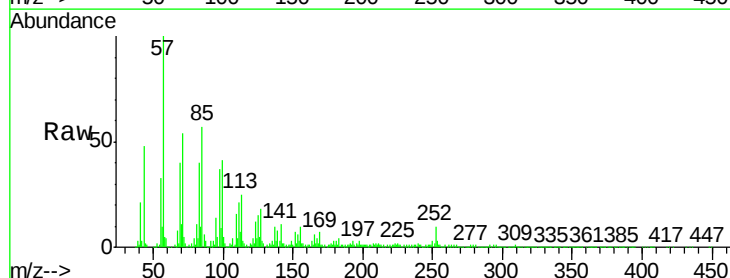
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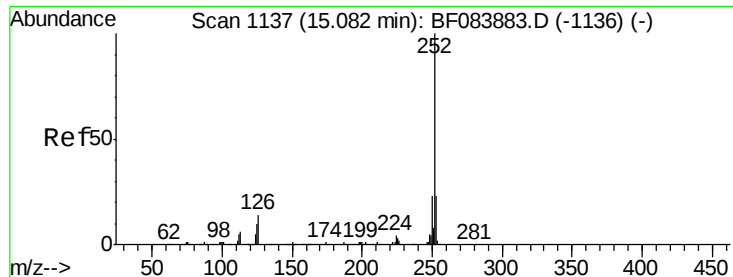
MMdadoda
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#87
Benzo(b)fluoranthene
Concen: 6.41 ng m
RT: 15.12 min Scan# 1140
Delta R.T. 0.06 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.6	17.3	25.9#
125	146.6	6.5	9.7#





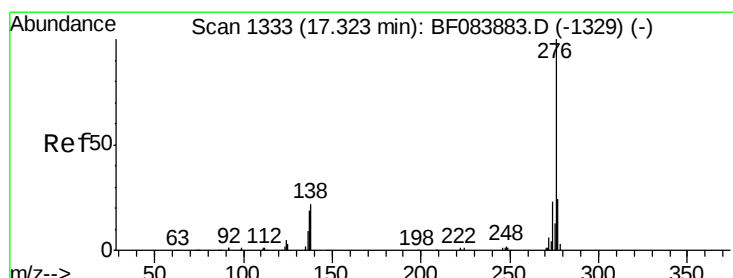
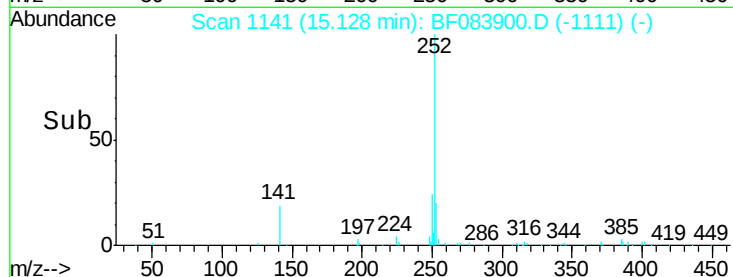
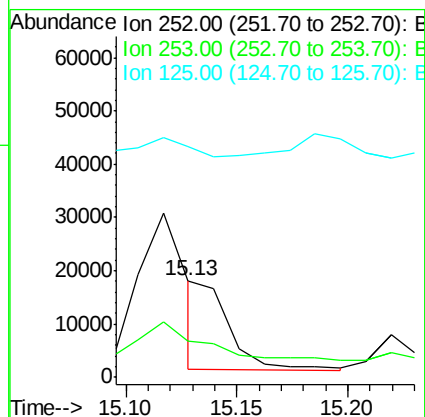
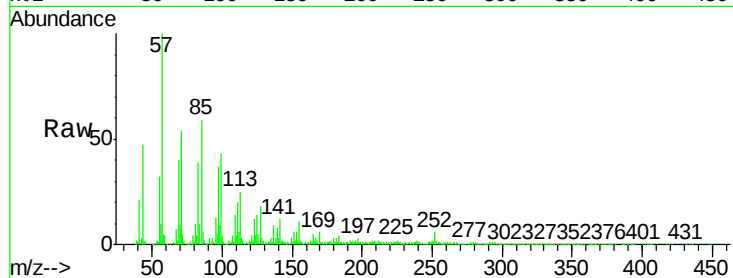
#88
Benzo(k)fluoranthene
Concen: 2.54 ng m
RT: 15.13 min Scan# 1141
Delta R.T. 0.05 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Instrument :
BNA_F
ClientSampleId :
K210-0-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.4	18.1	27.1#
125	238.1	9.0	13.6#

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12/18/2015 6:22:02 PM



#91
Benzo(g,h,i)perylene
Concen: 12.80 ng
RT: 17.43 min Scan# 1342
Delta R.T. 0.10 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.8	28.2
138	30.0	17.8	26.6#

