

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083551.D
 Acq On : 7 Dec 2015 9:18
 Operator : UM/IZ
 Sample : G4594-09
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K209-8-10

Manual Integrations
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Mmdadoda
 12/7/2015 6:33:39 PM

Quant Time: Dec 07 16:58:04 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.74	152	143137	20.00	ng	-0.02
21) Naphthalene-d8	7.65	136	469612	20.00	ng	-0.02
38) Acenaphthene-d10	10.48	164	183737	20.00	ng	0.01
63) Phenanthrene-d10	12.88	188	278333	20.00	ng	0.02
75) Chrysene-d12	17.04	240	286428	20.00	ng	-0.01
86) Perylene-d12	18.66	264	235669	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1279324	135.60	ng	-0.01
7) Phenol-d6	5.31	99	1873988	144.16	ng	-0.01
23) Nitrobenzene-d5	6.57	82	1324921	131.88	ng	-0.03
41) 2,4,6-Tribromophenol	11.77	330	145001	85.55	ng	0.01
44) 2-Fluorobiphenyl	9.41	172	1404928	103.71	ng	-0.01
78) Terphenyl-d14	15.48	244	1070447	83.16	ng	0.00
Target Compounds						
70) Phenanthrene	12.91	178	147493	9.10	ng	# 76
74) Fluoranthene	14.82	202	57743	3.60	ng	# 66
77) Pyrene	15.17	202	158112	7.38	ng	# 89
80) Benzo(a)anthracene	17.03	228	54584m	3.26	ng	
82) Chrysene	17.07	228	53260m	3.19	ng	
87) Benzo(b)fluoranthene	18.28	252	34771m	2.63	ng	

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

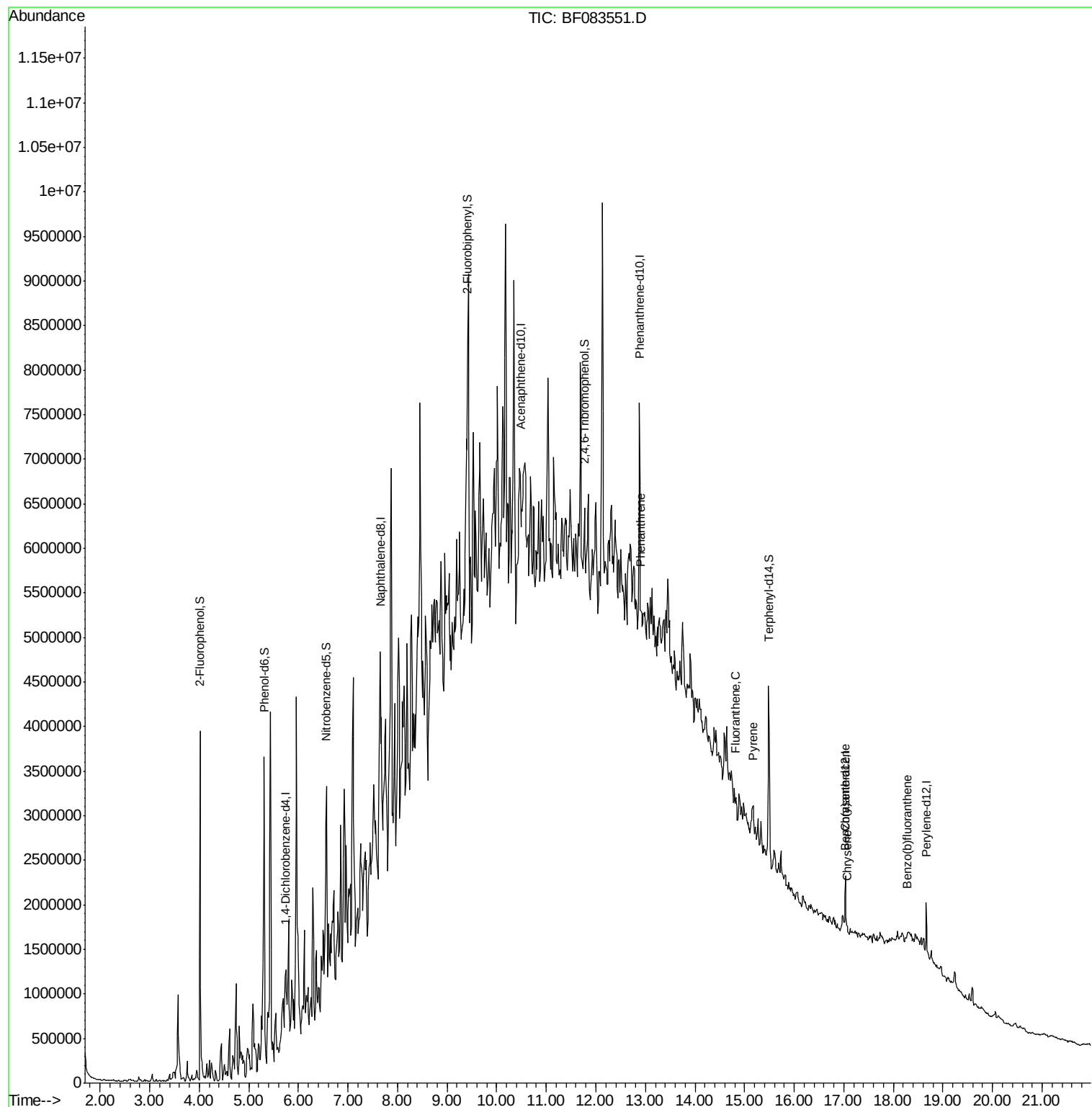
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083551.D
Acq On : 7 Dec 2015 9:18
Operator : UM/IZ
Sample : G4594-09
Misc :
ALS Vial : 62 Sample Multiplier: 1

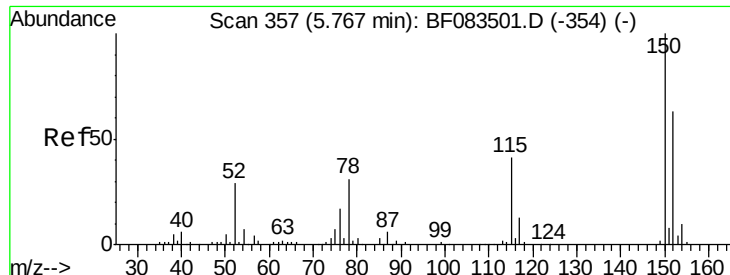
Instrument :
BNA_F
ClientSampleId :
K209-8-10

Manual Integrations
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12/7/2015 6:33:39 PM

Quant Time: Dec 07 16:58:04 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

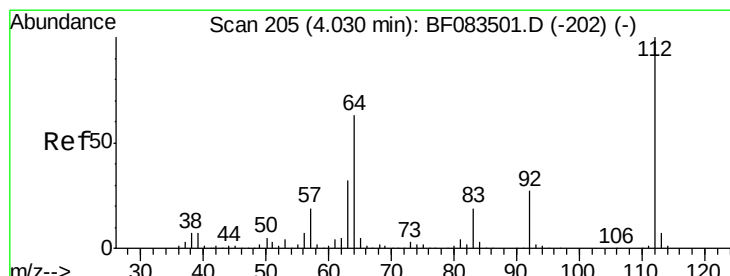
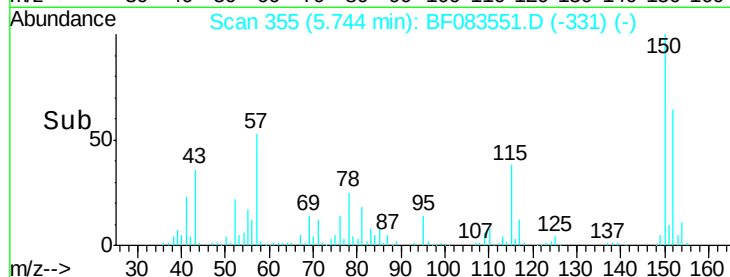
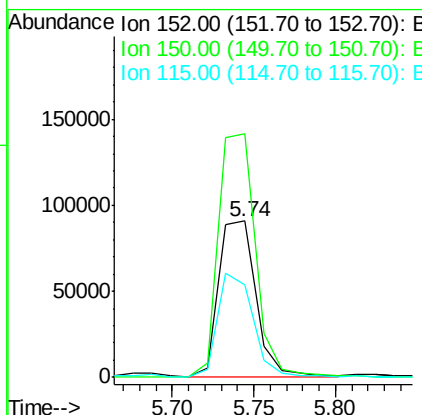
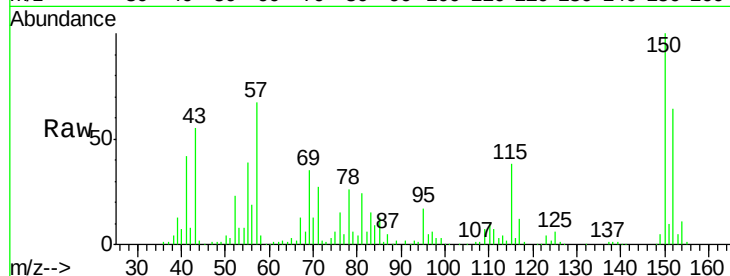
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.74 min Scan# 355
Delta R.T. -0.02 min
Lab File: BF083551.D
Acq: 7 Dec 2015 9:18

Instrument :
BNA_F
ClientSampleId :
K209-8-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.5	189.7
115	59.7	52.3	78.5

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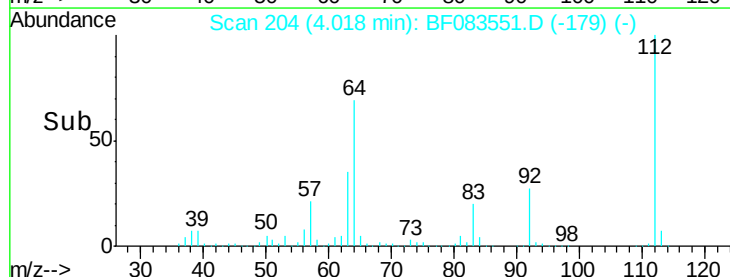
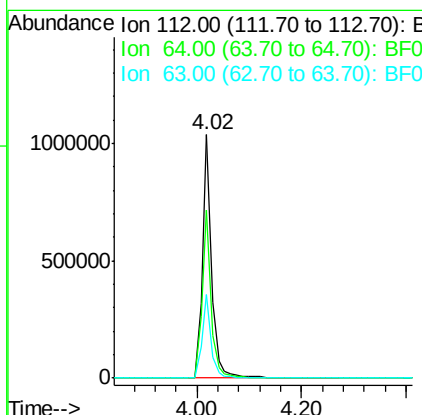
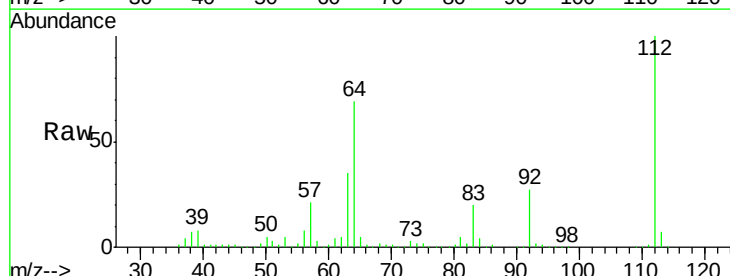
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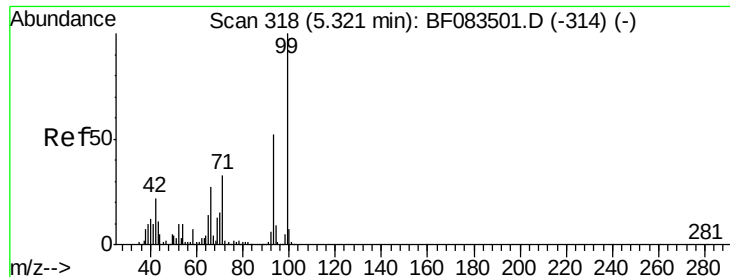


#5

2-Fluorophenol
Concen: 135.60 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083551.D
Acq: 7 Dec 2015 9:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	50.5	75.7
63	34.5	25.8	38.6





#7

Phenol-d6

Concen: 144.16 ng

RT: 5.31 min Scan# 317

Delta R.T. -0.01 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Instrument :

BNA_F

ClientSampleId :

K209-8-10

Tot Ion: 99 Resp: 1873988

Ion Ratio Lower Upper

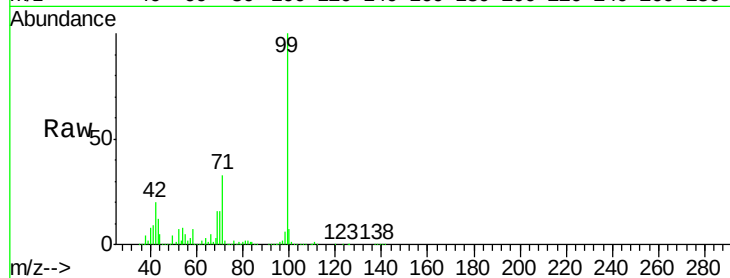
99 100

42 20.2 17.3 25.9

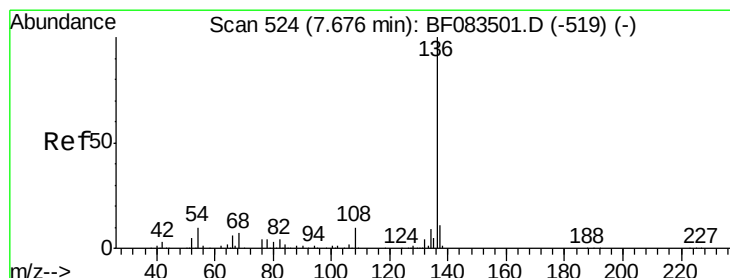
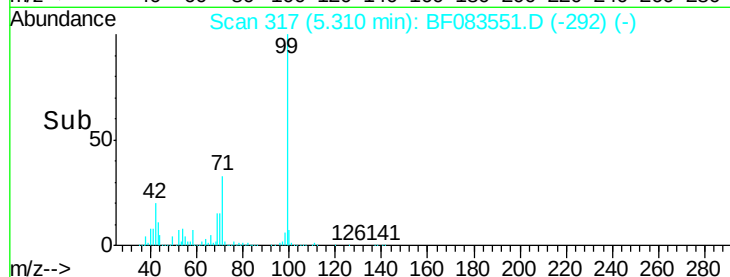
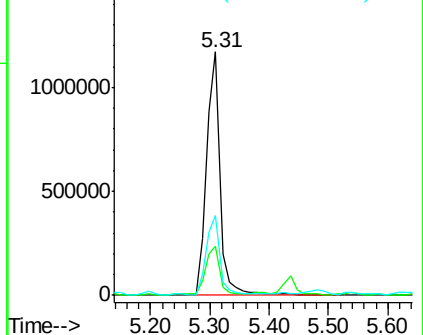
71 33.0 26.6 40.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.65 min Scan# 522

Delta R.T. -0.02 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Tgt Ion: 136 Resp: 469612

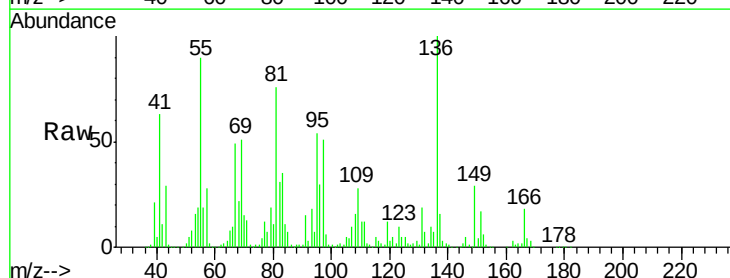
Ion Ratio Lower Upper

136 100

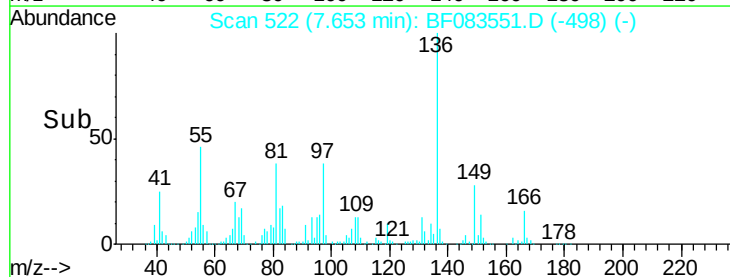
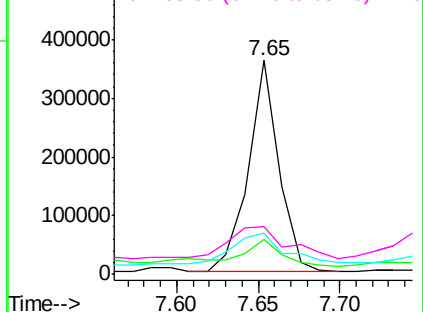
137 16.4 8.7 13.1#

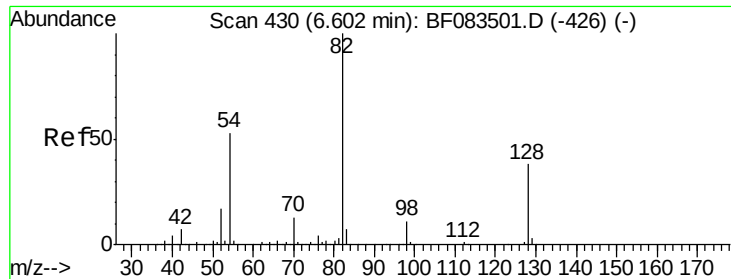
54 19.4 7.8 11.6#

68 22.1 5.7 8.5#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





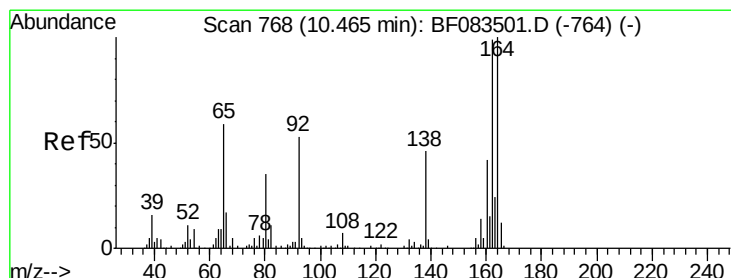
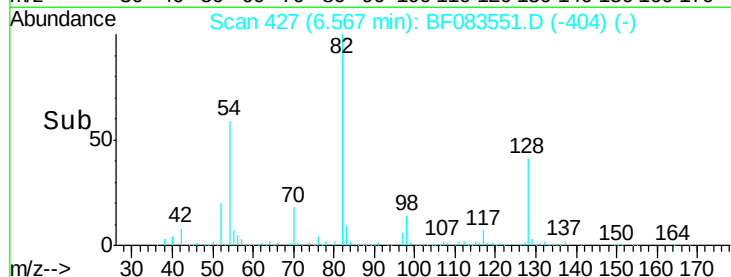
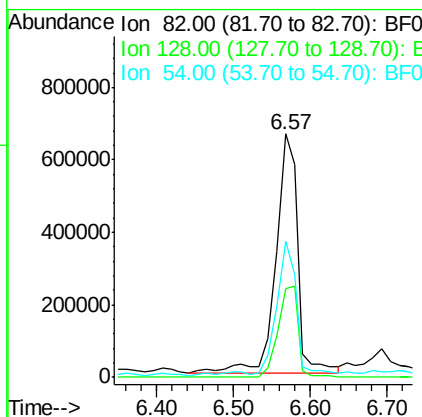
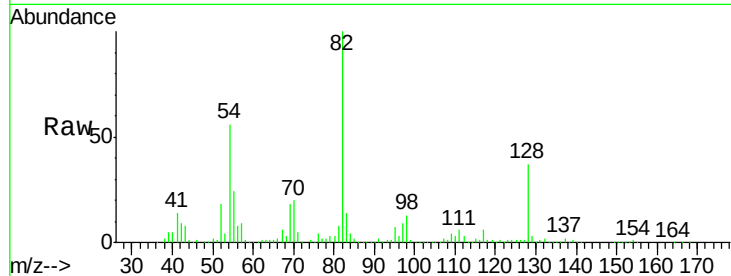
#23
 Nitrobenzene-d5
 Concen: 131.88 ng
 RT: 6.57 min Scan# 427
 Delta R.T. -0.03 min
 Lab File: BF083551.D
 Acq: 7 Dec 2015 9:18

Instrument :
 BNA_F
 ClientSampleId :
 K209-8-10

Tot Ion	82	Resp	1324921
Ion Ratio	Lower	Upper	
82	100		
128	36.7	30.7	46.1
54	55.7	42.5	63.7

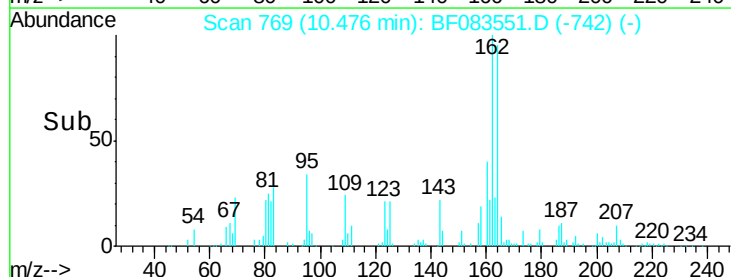
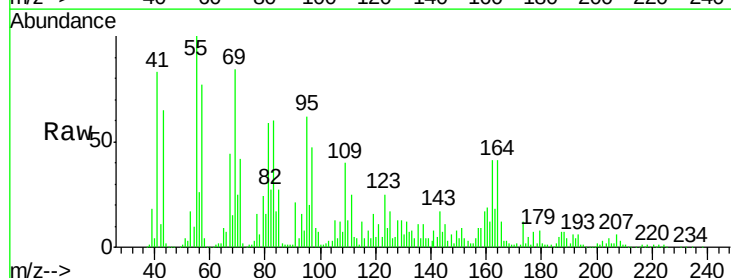
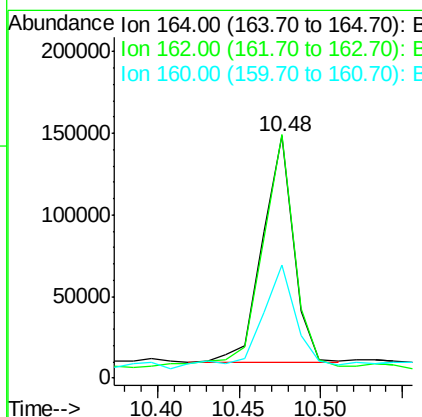
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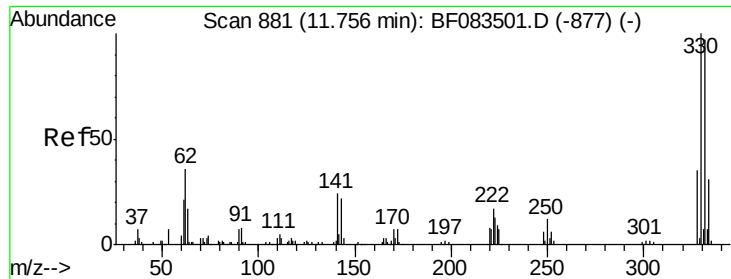
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.48 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: BF083551.D
 Acq: 7 Dec 2015 9:18

Tgt Ion	164	Resp	183737
Ion Ratio	Lower	Upper	
164	100		
162	100.7	78.8	118.2
160	47.0	33.4	50.2





#41

2,4,6-Tribromophenol

Concen: 85.55 ng

RT: 11.77 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Instrument :

BNA_F

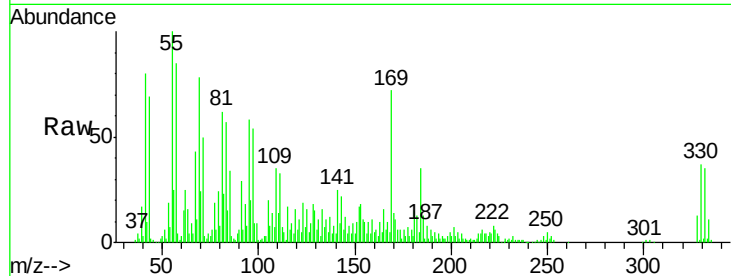
ClientSampled :

K209-8-10

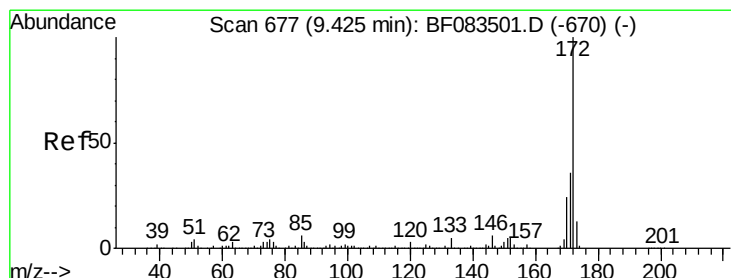
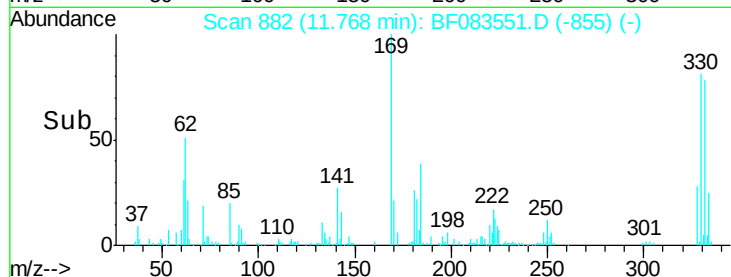
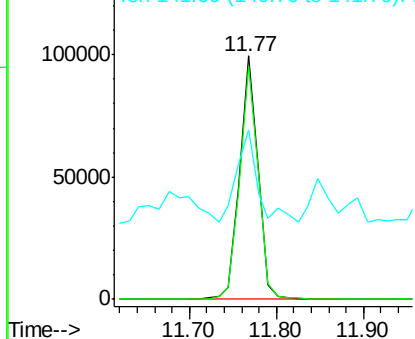
Tot Ion:	330	Resp:	145001
Ion Ratio		Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	43.3	0.0	0.0#

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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: 103.71 ng

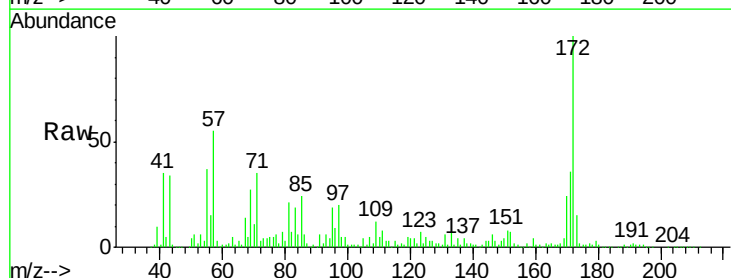
RT: 9.41 min Scan# 676

Delta R.T. -0.01 min

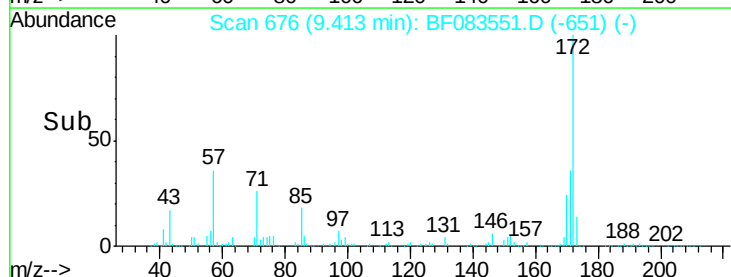
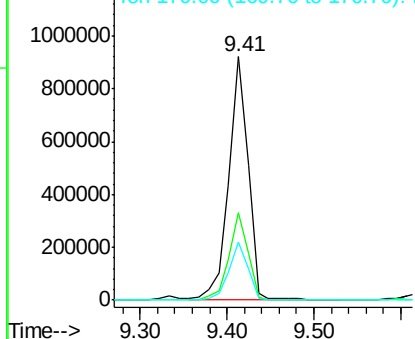
Lab File: BF083551.D

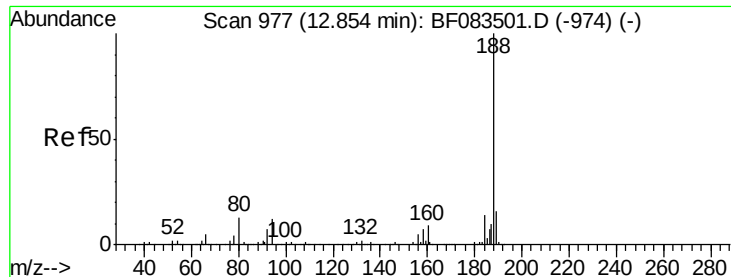
Acq: 7 Dec 2015 9:18

Tgt Ion:	172	Resp:	1404928
Ion Ratio		Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.9	19.4	29.0



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.88 min Scan# 979

Delta R.T. 0.02 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Instrument :

BNA_F

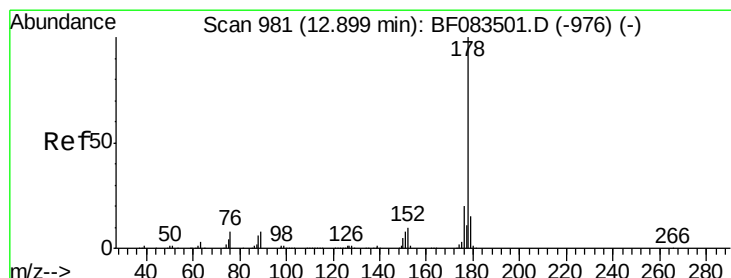
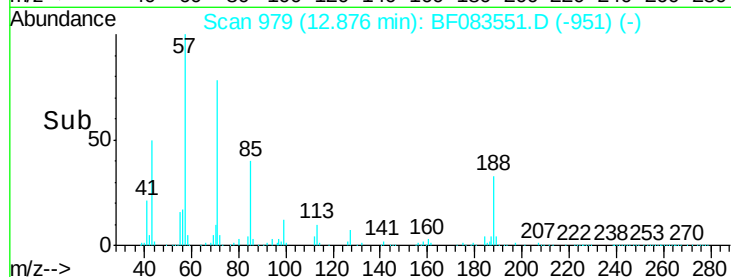
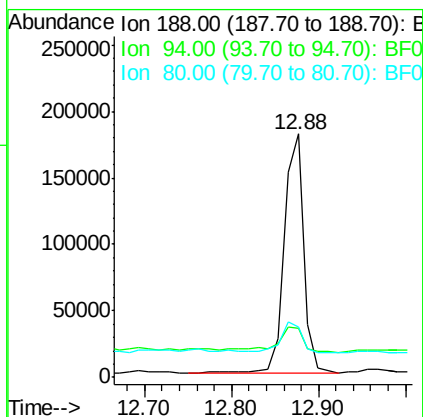
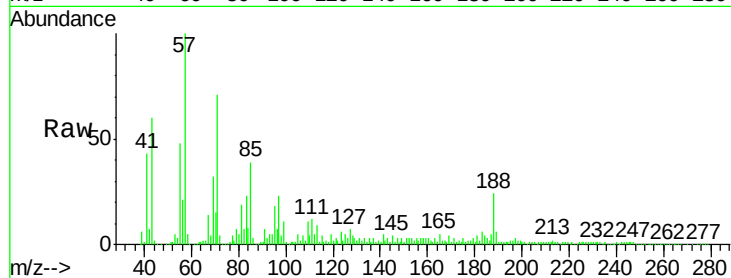
ClientSampled :

K209-8-10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	20.4	9.4	14.2#		
80	20.5	10.6	16.0#		

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#70

Phenanthrene

Concen: 9.10 ng

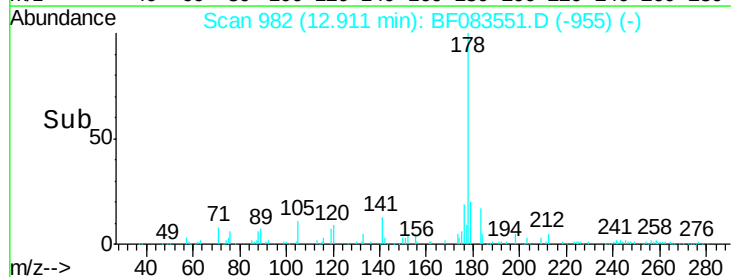
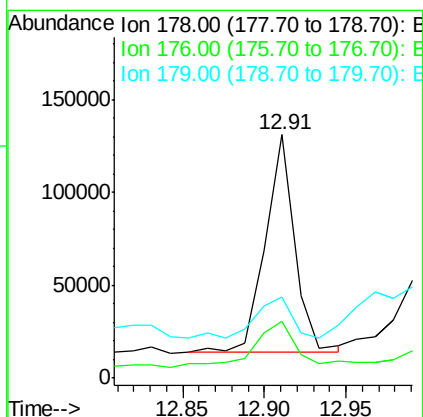
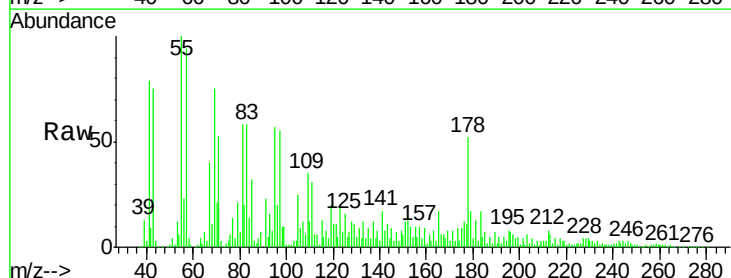
RT: 12.91 min Scan# 982

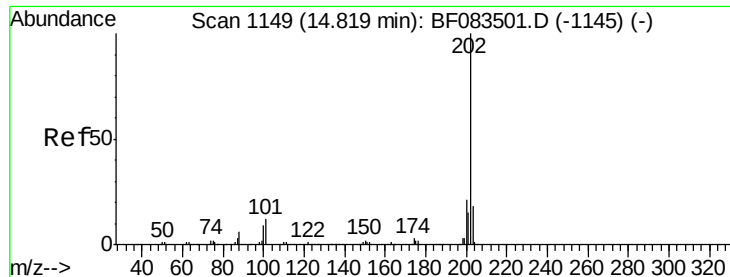
Delta R.T. 0.01 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	23.3	15.7	23.5		
179	33.5	12.2	18.4#		





#74

Fluoranthene

Concen: 3.60 ng

RT: 14.82 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Instrument :

BNA_F

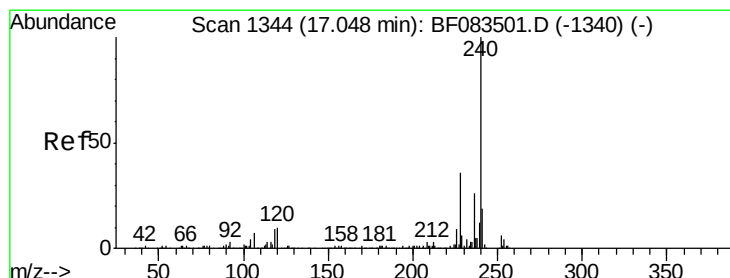
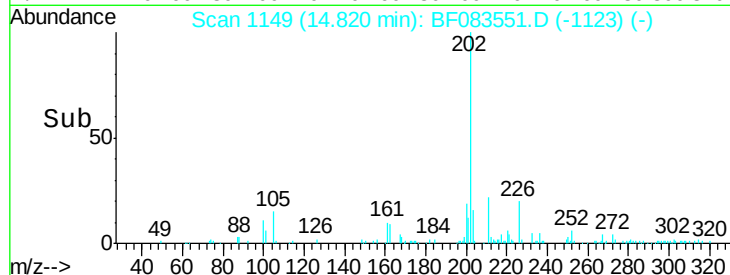
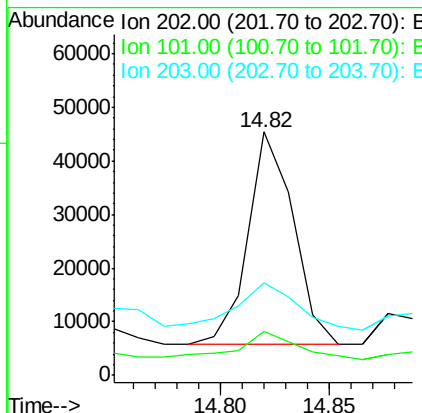
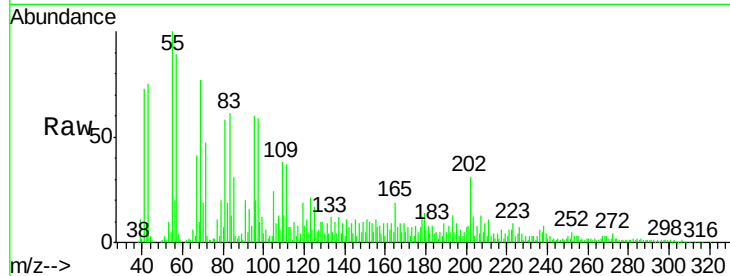
ClientSampleId :

K209-8-10

Tot Ion:	202	Resp:	57743
Ion Ratio	Lower	Upper	
202	100		
101	17.9	0.0	31.5
203	37.8	0.0	37.6#

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#75

Chrysene-d12

Concen: 20.00 ng

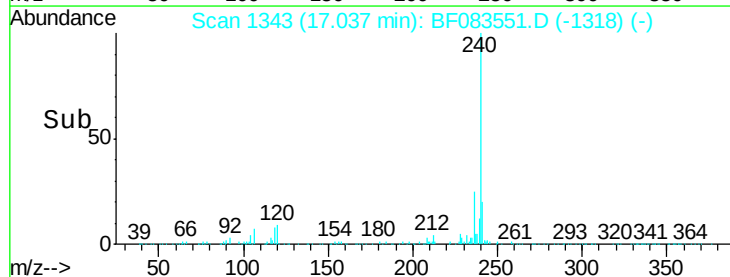
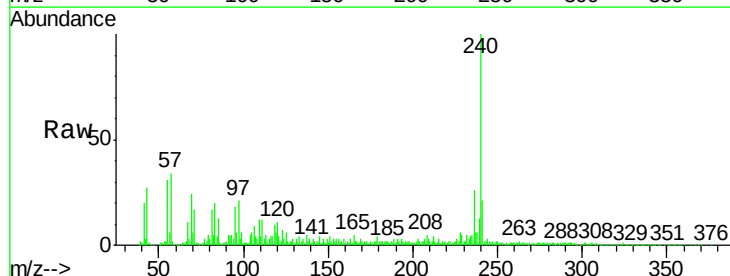
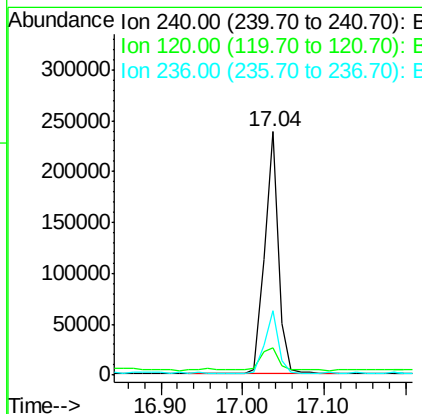
RT: 17.04 min Scan# 1343

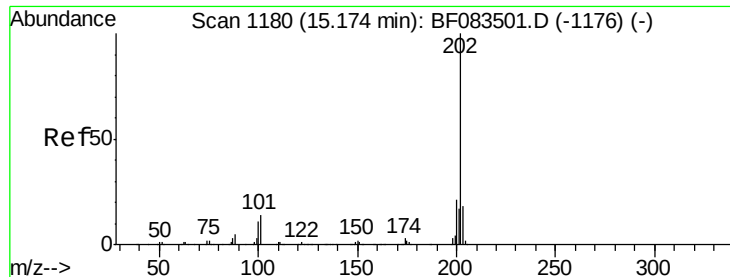
Delta R.T. -0.01 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Tgt Ion:	240	Resp:	286428
Ion Ratio	Lower	Upper	
240	100		
120	11.4	8.1	12.1
236	26.3	20.8	31.2





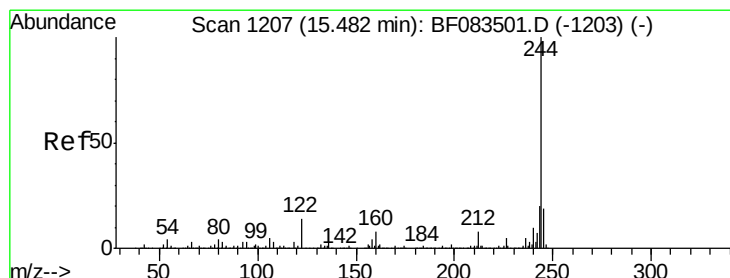
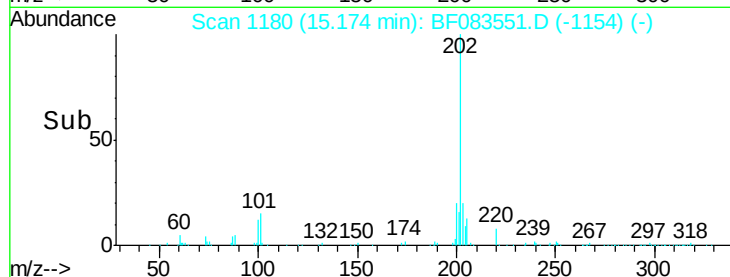
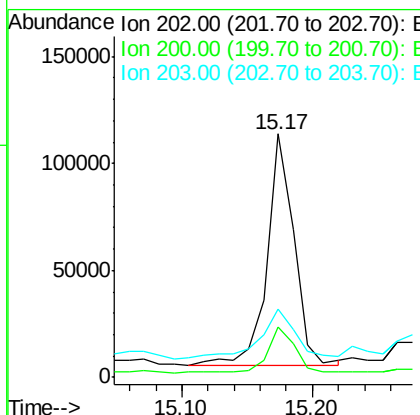
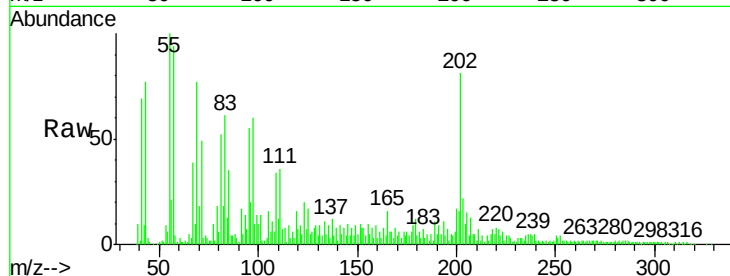
#77
Pvrene
Concen: 7.38 ng
RT: 15.17 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF083551.D
Acq: 7 Dec 2015 9:18

Instrument :
BNA_F
ClientSampleId :
K209-8-10

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	16.7	25.1
203	27.9	14.3	21.5

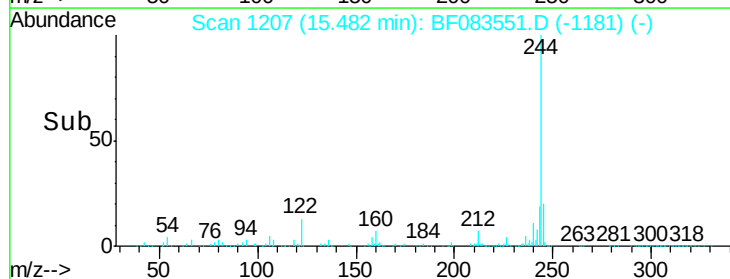
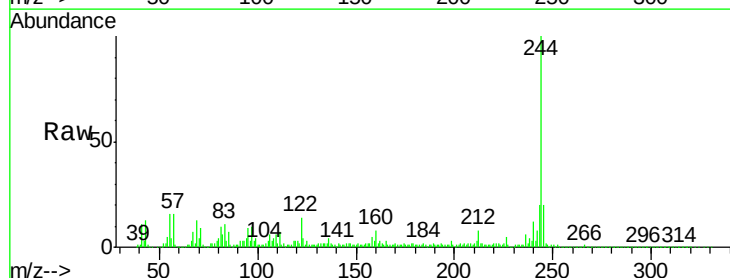
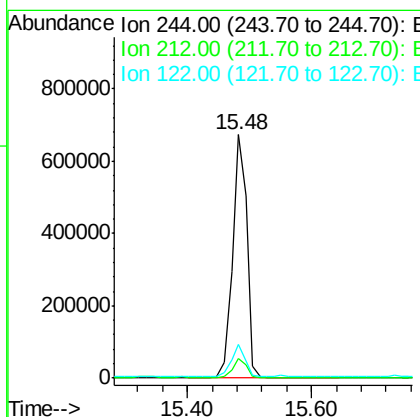
Manual Integrations
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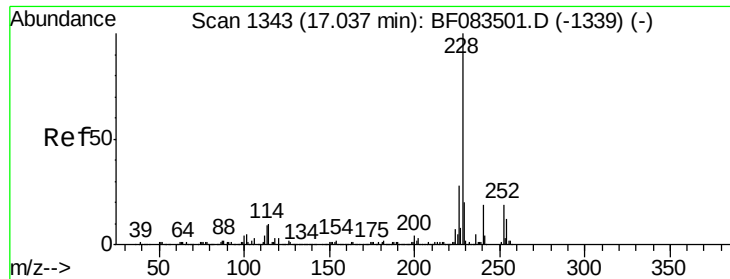
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#78
Terphenyl-d14
Concen: 83.16 ng
RT: 15.48 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF083551.D
Acq: 7 Dec 2015 9:18

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	6.1	9.1
122	13.7	11.0	16.6





#80

Benzo(a)anthracene

Concen: 3.26 ng m

RT: 17.03 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Instrument :

BNA_F

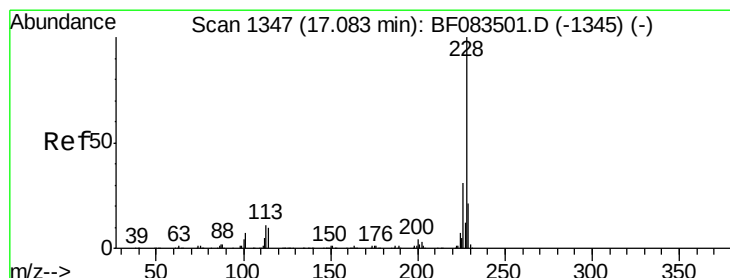
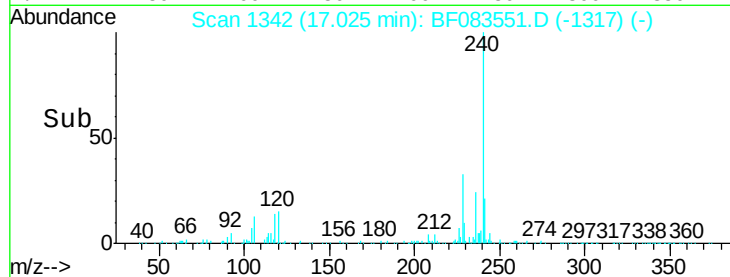
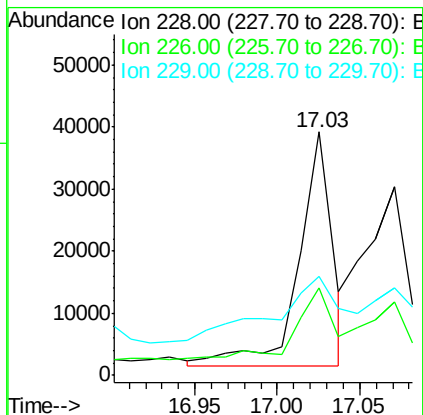
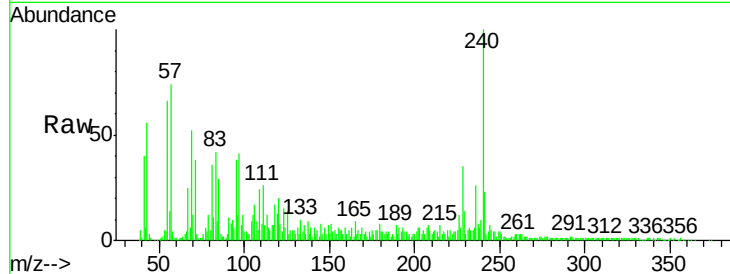
ClientSampled :

K209-8-10

Tot Ion:	228	Resp:	54584
Ion Ratio	Lower	Upper	
228	100		
226	35.7	22.3	33.5#
229	40.9	15.7	23.5#

Manual Integrations
APPROVED

Mmdadoda
12/7/2015 6:33:39 PM



#82

Chrysene

Concen: 3.19 ng m

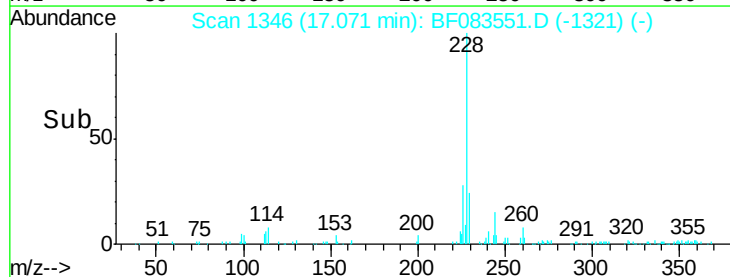
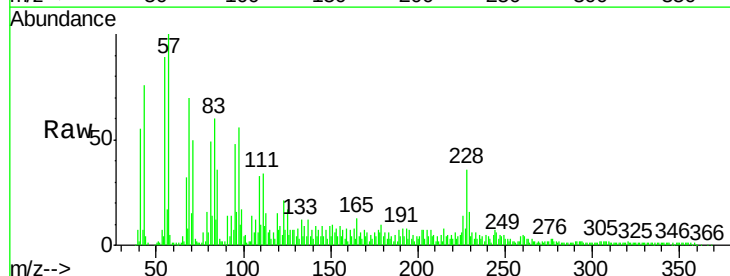
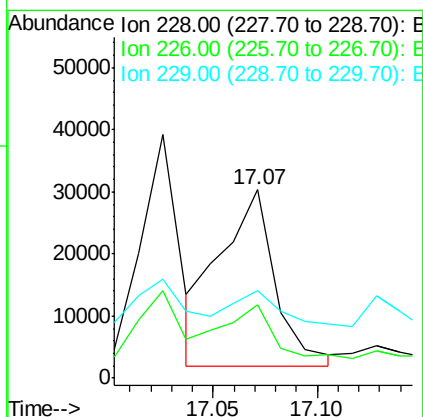
RT: 17.07 min Scan# 1346

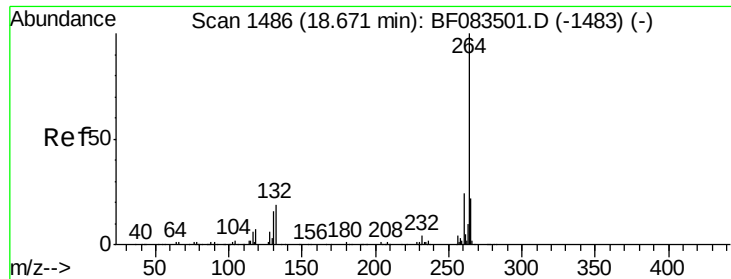
Delta R.T. -0.01 min

Lab File: BF083551.D

Acq: 7 Dec 2015 9:18

Tgt Ion:	228	Resp:	53260
Ion Ratio	Lower	Upper	
228	100		
226	38.6	24.7	37.1#
229	46.3	16.3	24.5#





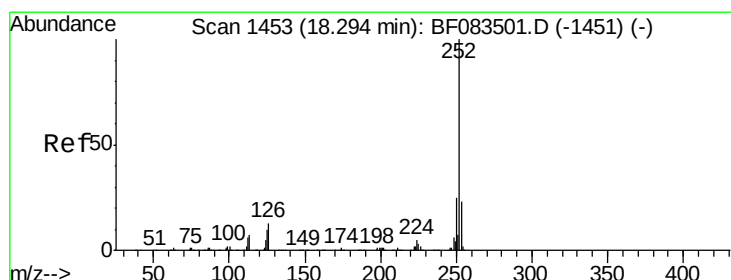
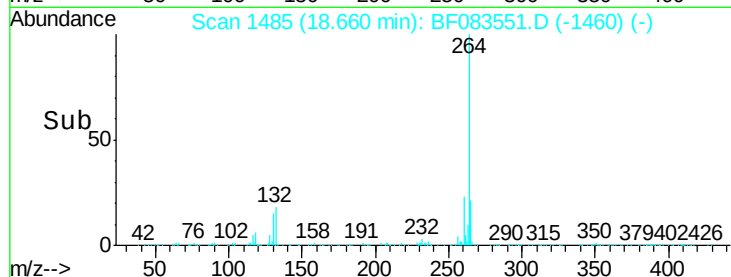
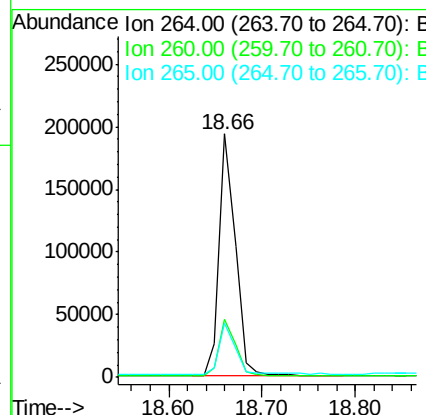
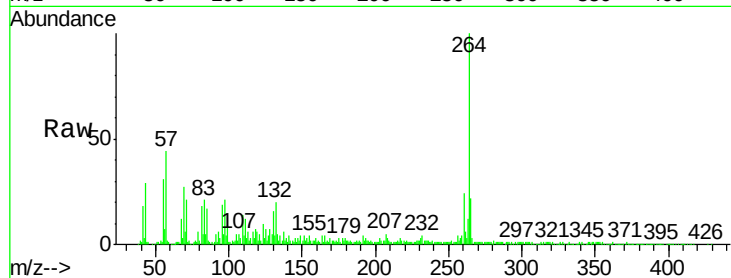
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.66 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BF083551.D
Acq: 7 Dec 2015 9:18

Instrument :
BNA_F
ClientSampleId :
K209-8-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	22.1	17.8	26.6

Manual Integrations
APPROVED

Mmdadoda
12/7/2015 6:33:39 PM



#87
Benzo(b)fluoranthene
Concen: 2.63 ng m
RT: 18.28 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF083551.D
Acq: 7 Dec 2015 9:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	18.2	27.4#
125	71.8	8.2	12.4#

