

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083550.D
 Acq On : 7 Dec 2015 8:48
 Operator : UM/IZ
 Sample : G4594-08
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K209-0-2

Manual Integrations
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 12/7/2015 6:33:38 PM

Quant Time: Dec 07 10:37:52 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	5.73	152	147172	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	533943	20.00	ng	-0.05
38) Acenaphthene-d10	10.43	164	230157	20.00	ng	-0.03
63) Phenanthrene-d10	12.83	188	325794	20.00	ng	-0.02
75) Chrysene-d12	17.04	240	282359	20.00	ng	-0.01
86) Perylene-d12	18.67	264	224257	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.01	112	832792	85.85	ng	-0.02
7) Phenol-d6	5.30	99	1133782	84.83	ng	-0.02
23) Nitrobenzene-d5	6.56	82	671512	58.79	ng	-0.05
41) 2,4,6-Tribromophenol	11.72	330	137031	64.54	ng	-0.03
44) 2-Fluorobiphenyl	9.38	172	892098	52.57	ng	-0.05
78) Terphenyl-d14	15.47	244	528591	41.66	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.66	128	73022	2.57	ng	99
37) 2-Methylnaphthalene	8.77	142	58989	3.36	ng	96
48) Acenaphthylene	10.20	152	122074	4.84	ng	98
49) Dimethylphthalate	10.06	163	319033	17.61	ng	100
70) Phenanthrene	12.87	178	90190	4.76	ng	# 87
71) Anthracene	12.96	178	46036	2.38	ng	# 74
74) Fluoranthene	14.81	202	107545	5.72	ng	86
77) Pyrene	15.16	202	146419	6.93	ng	# 92
80) Benzo(a)anthracene	17.03	228	93703	5.67	ng	# 78
82) Chrysene	17.07	228	81625	4.96	ng	# 90
85) Indeno(1,2,3-cd)pyrene	19.92	276	69250	4.91	ng	# 100
87) Benzo(b)fluoranthene	18.29	252	115173m	9.14	ng	
88) Benzo(k)fluoranthene	18.32	252	40344m	3.13	ng	
89) Benzo(a)pyrene	18.61	252	82644	6.75	ng	# 53
91) Benzo(a,h,i)perylene	20.28	276	96927	8.16	ng	99

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

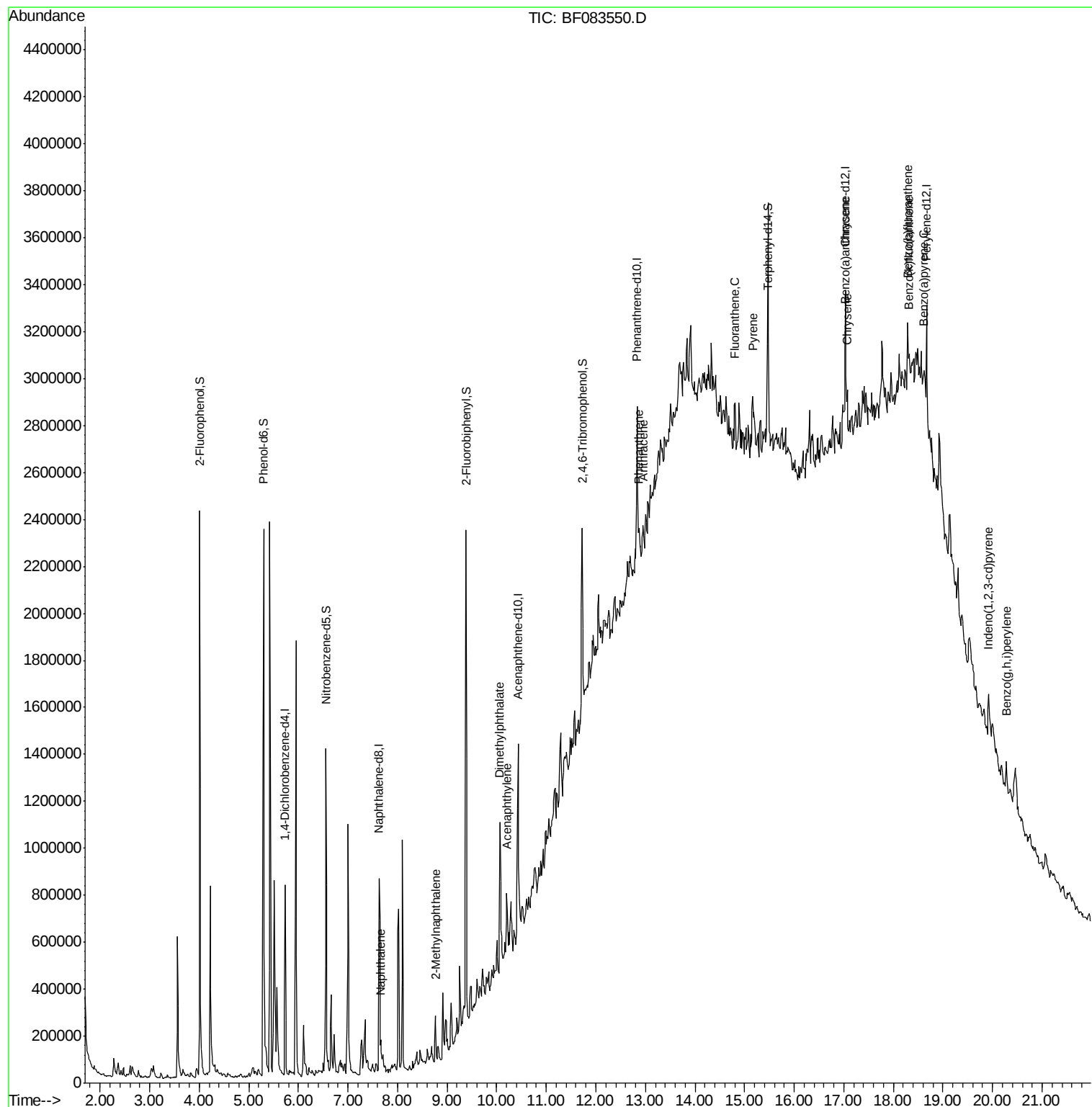
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083550.D
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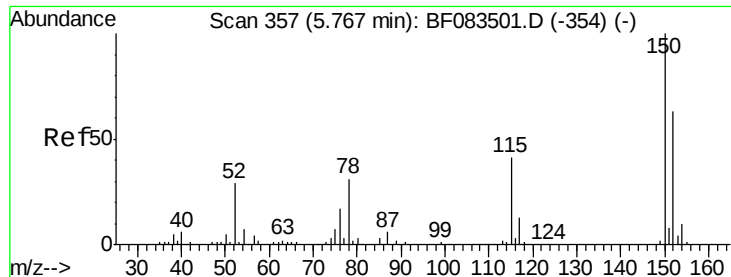
Instrument :
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Quant Time: Dec 07 10:37:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.73 min Scan# 354

Delta R.T. -0.03 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Instrument :

BNA_F

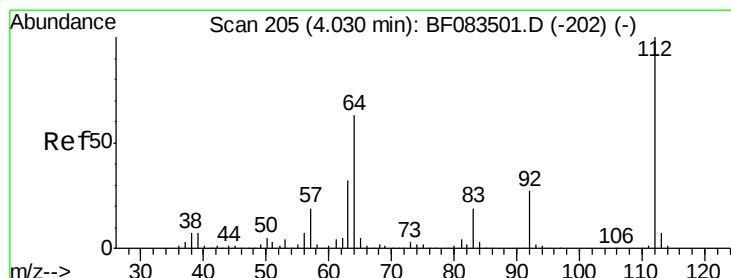
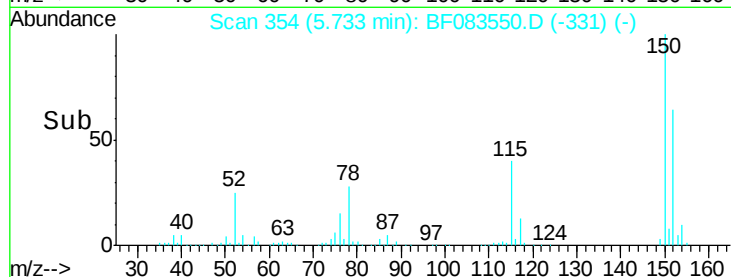
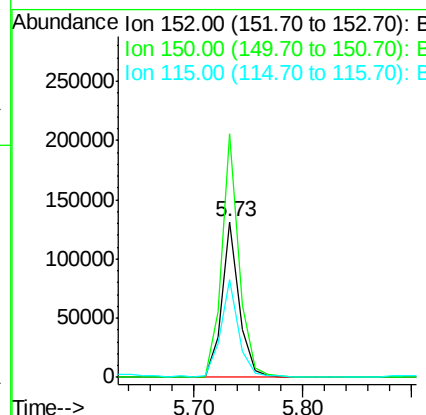
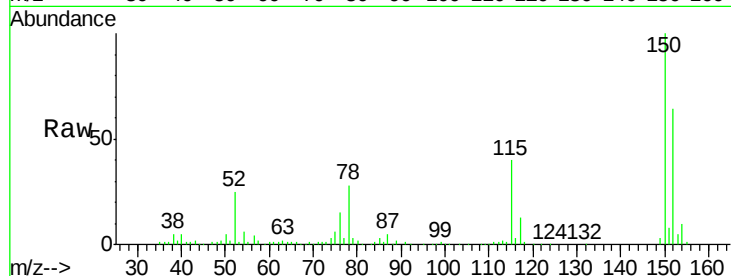
ClientSampleId :

K209-0-2

Tot Ion:	152	Resp:	147172
Ion Ratio	Lower	Upper	
152	100		
150	156.2	126.5	189.7
115	62.6	52.3	78.5

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#5

2-Fluorophenol

Concen: 85.85 ng

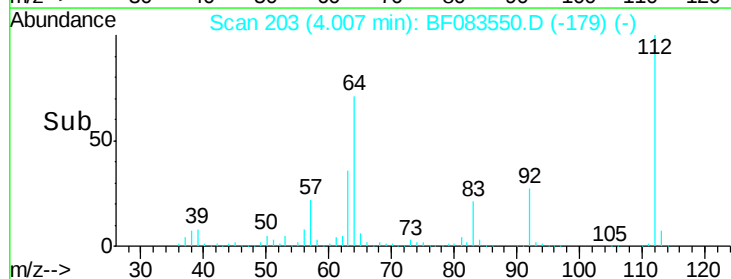
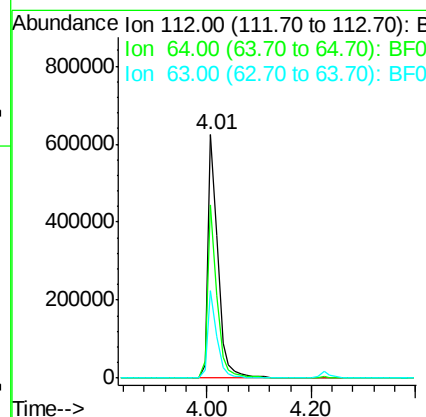
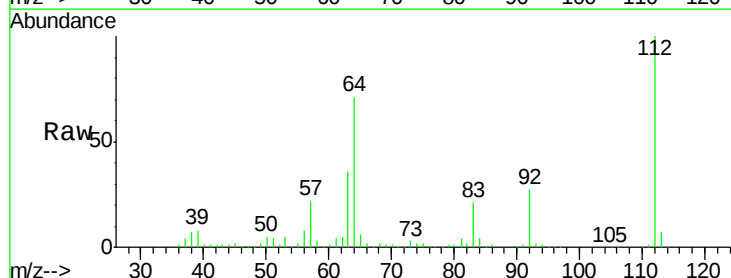
RT: 4.01 min Scan# 203

Delta R.T. -0.02 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Tgt Ion:	112	Resp:	832792
Ion Ratio	Lower	Upper	
112	100		
64	71.1	50.5	75.7
63	36.1	25.8	38.6





#7

Phenol-d6

Concen: 84.83 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Instrument :

BNA_F

ClientSampleId :

K209-0-2

Manual Integrations
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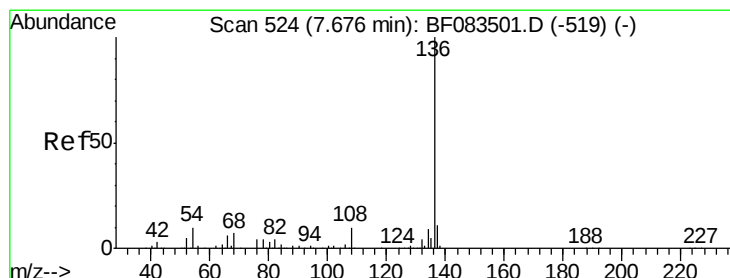
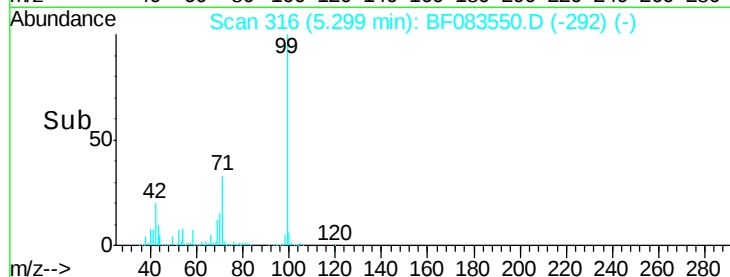
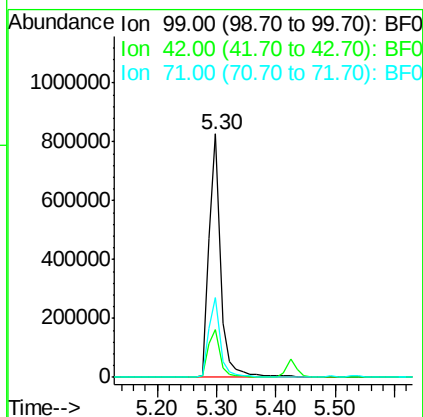
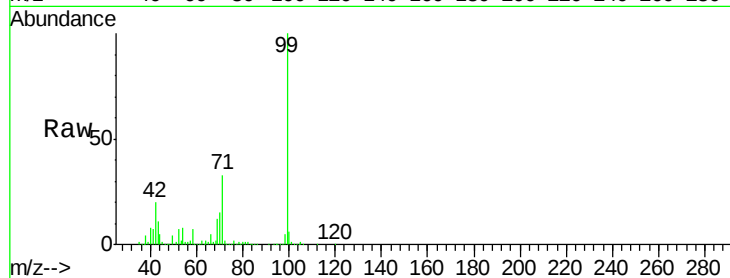
Tot Ion: 99 Resp: 1133782

Ion Ratio Lower Upper

99 100

42 19.6 17.3 25.9

71 32.8 26.6 40.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Tgt Ion: 136 Resp: 533943

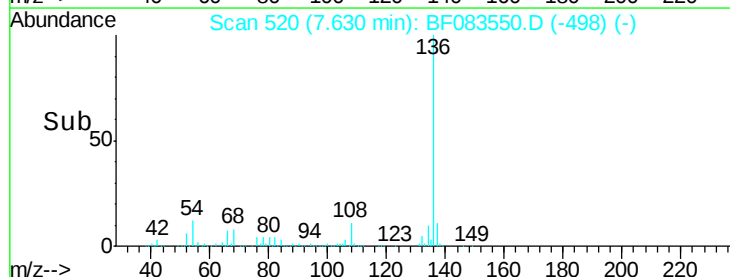
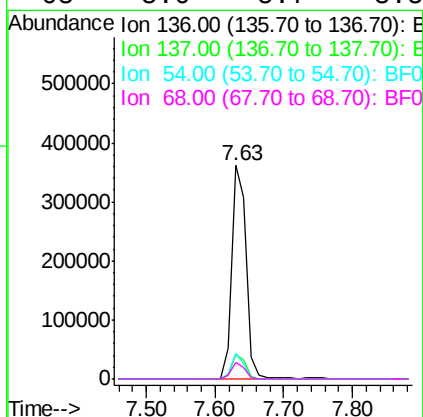
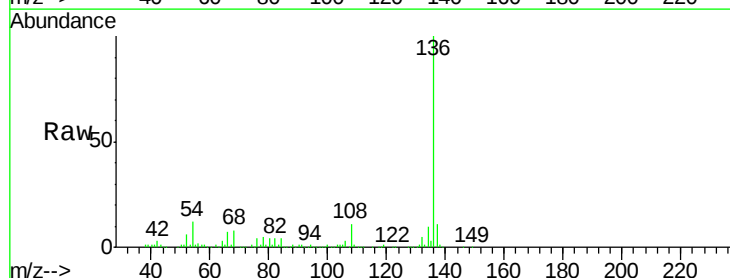
Ion Ratio Lower Upper

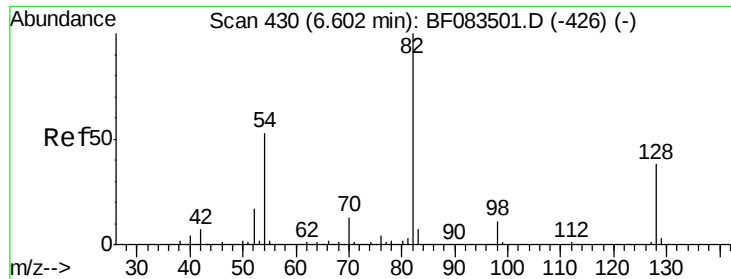
136 100

137 11.2 8.7 13.1

54 11.9 7.8 11.6#

68 8.0 5.7 8.5





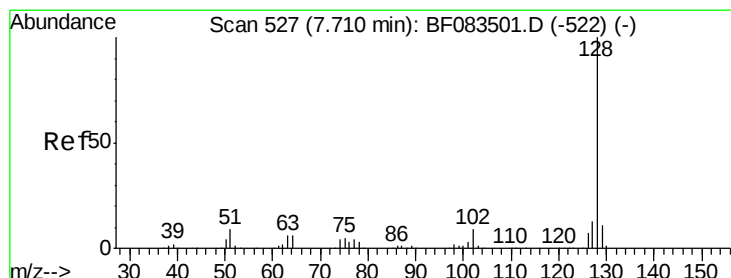
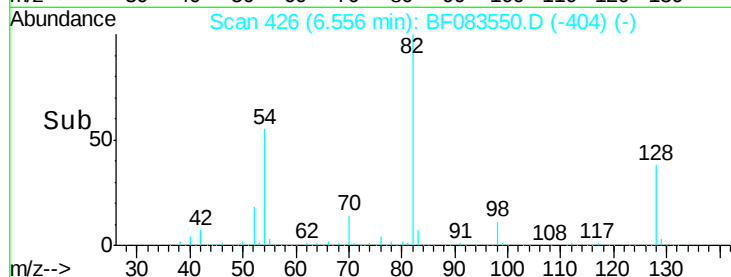
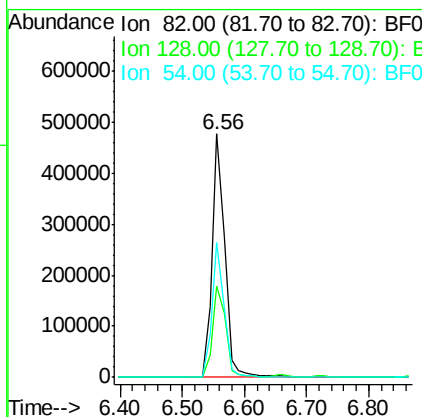
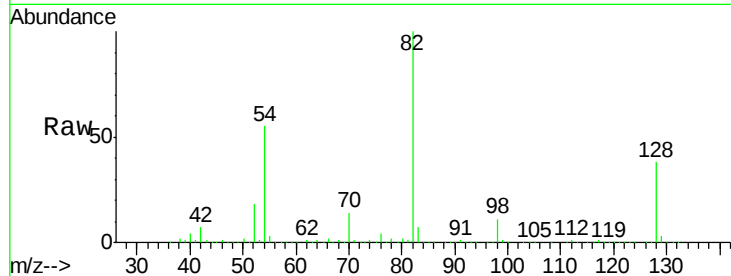
#23
 Nitrobenzene-d5
 Concen: 58.79 ng
 RT: 6.56 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: BF083550.D
 Acq: 7 Dec 2015 8:48

Instrument :
 BNA_F
 ClientSampleId :
 K209-0-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100	671512		
128	37.5	30.7	46.1	
54	55.2	42.5	63.7	

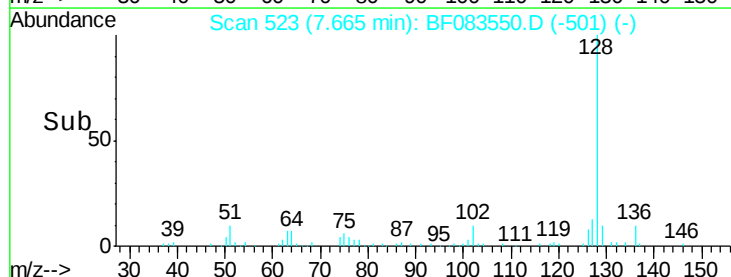
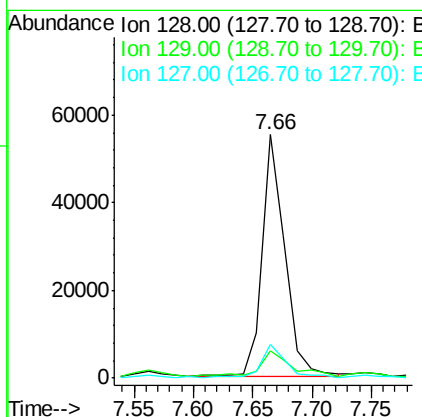
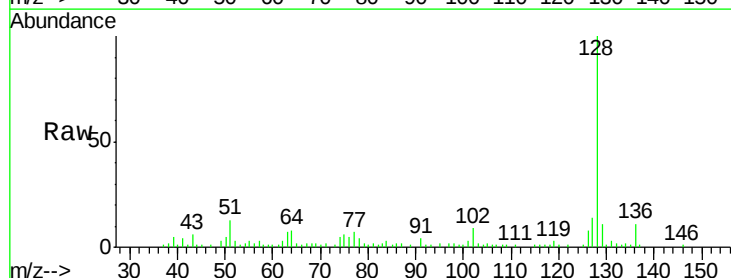
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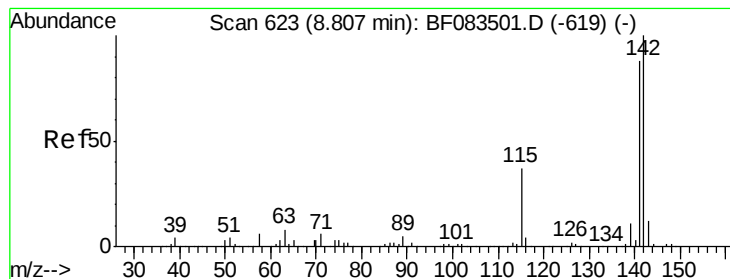
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#31
 Naphthalene
 Concen: 2.57 ng
 RT: 7.66 min Scan# 523
 Delta R.T. -0.05 min
 Lab File: BF083550.D
 Acq: 7 Dec 2015 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	73022		
129	11.0	8.6	13.0	
127	13.8	10.6	16.0	





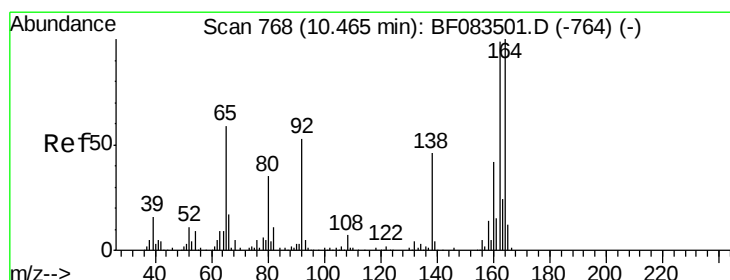
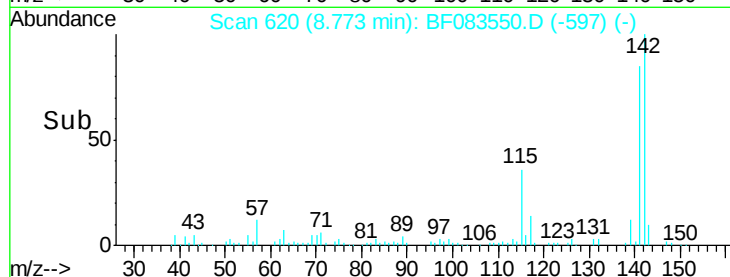
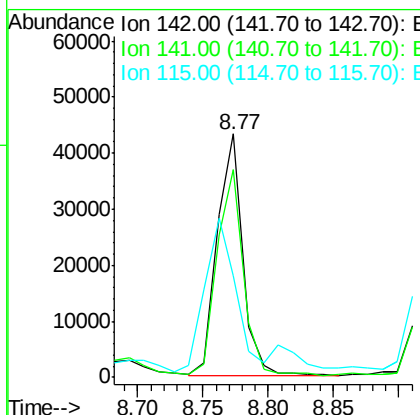
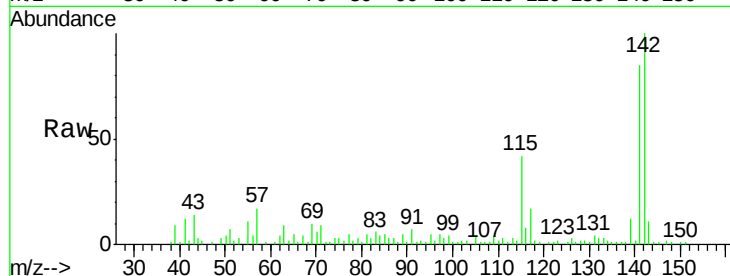
#37
2-Methylnaphthalene
Concen: 3.36 ng
RT: 8.77 min Scan# 620
Delta R.T. -0.03 min
Lab File: BF083550.D
Acq: 7 Dec 2015 8:48

Instrument :
BNA_F
ClientSampleId :
K209-0-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.4	70.3	105.5
115	41.7	29.2	43.8

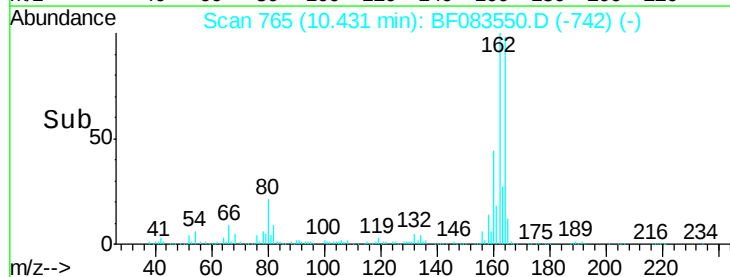
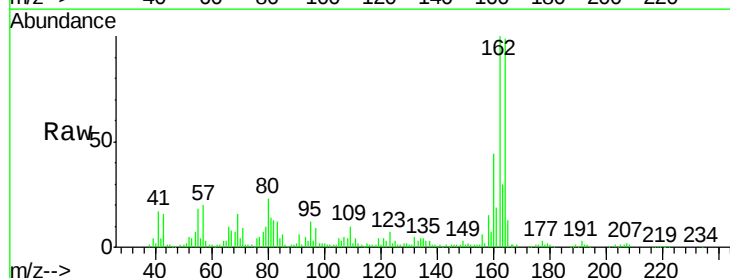
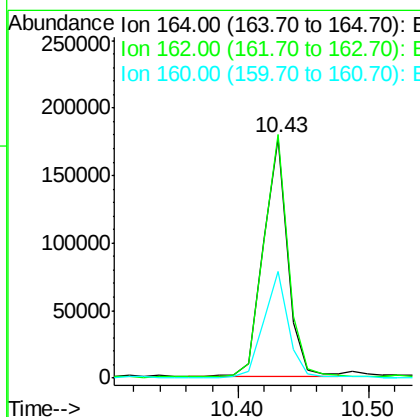
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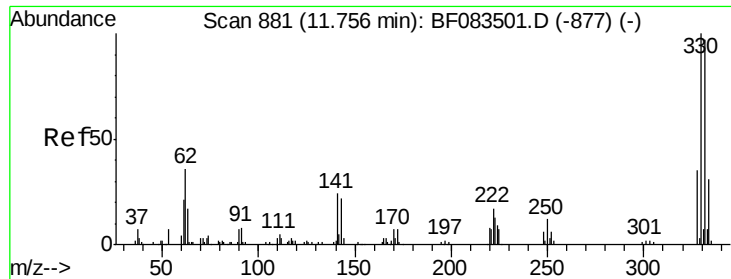
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.43 min Scan# 765
Delta R.T. -0.03 min
Lab File: BF083550.D
Acq: 7 Dec 2015 8:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	78.8	118.2
160	44.7	33.4	50.2





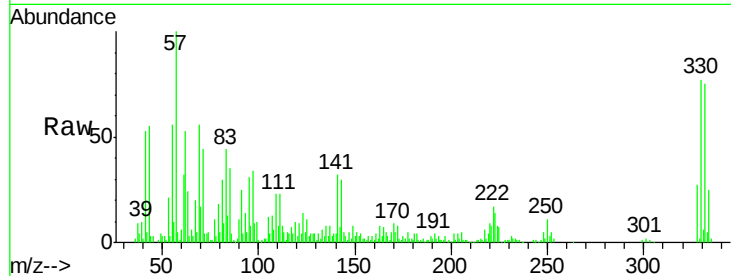
#41
 2,4,6-Tribromophenol
 Concen: 64.54 ng
 RT: 11.72 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: BF083550.D
 Acq: 7 Dec 2015 8:48

Instrument :
 BNA_F
 ClientSampled :
 K209-0-2

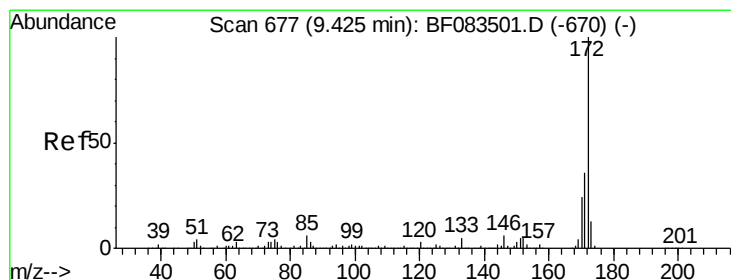
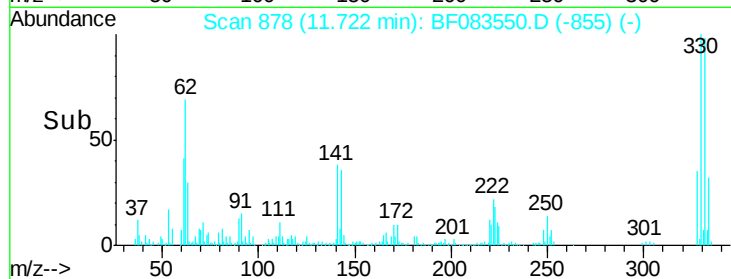
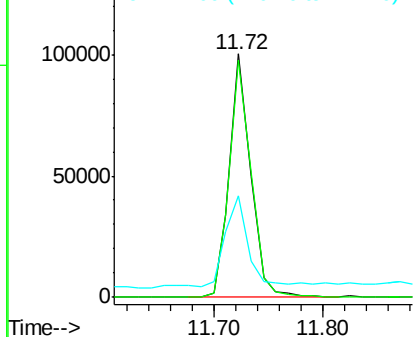
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	99.6	0.0	0.0#
141	41.8	0.0	0.0#

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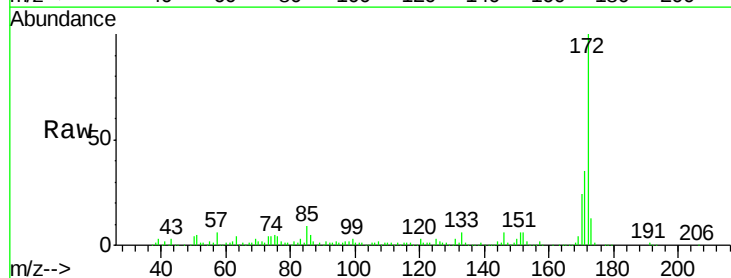


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

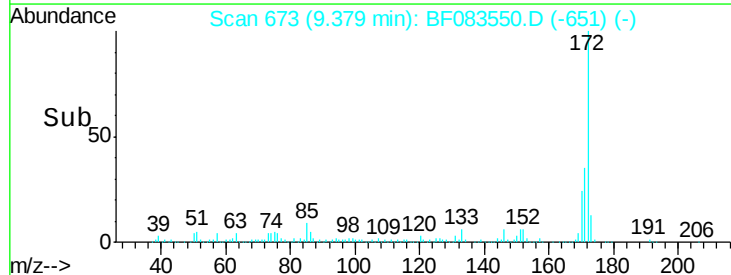
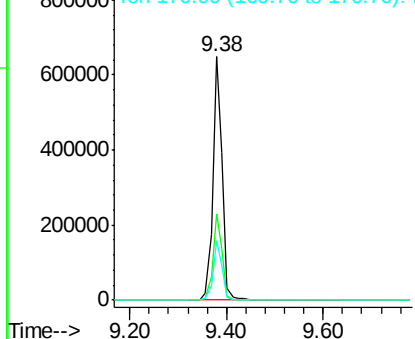


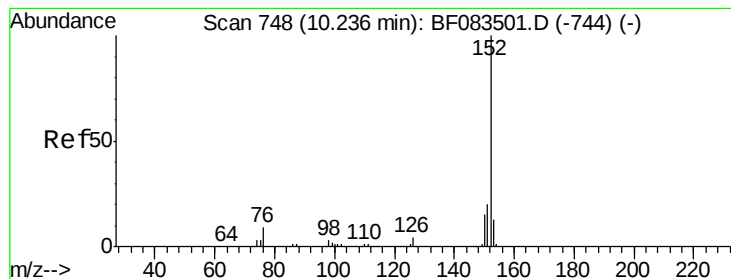
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 2-Fluorobiphenyl
 Concen: 52.57 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083550.D
 Acq: 7 Dec 2015 8:48

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.2	28.6	42.8
170	24.4	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





#48

Acenaphthylene

Concen: 4.84 ng

RT: 10.20 min Scan# 745

Delta R.T. -0.03 min

Lab File: BF083550.D

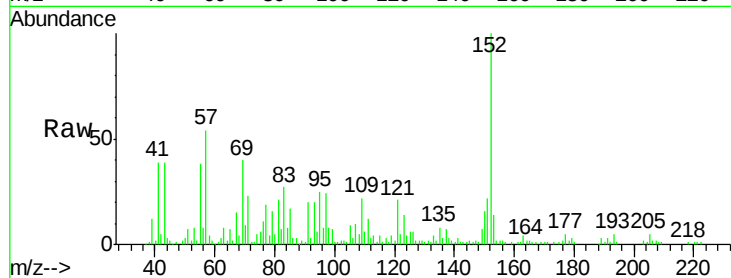
Acq: 7 Dec 2015 8:48

Instrument :

BNA_F

ClientSampleId :

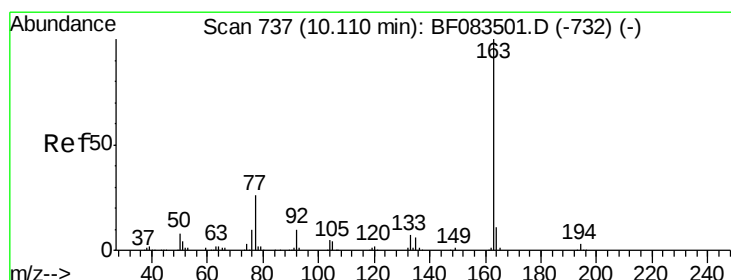
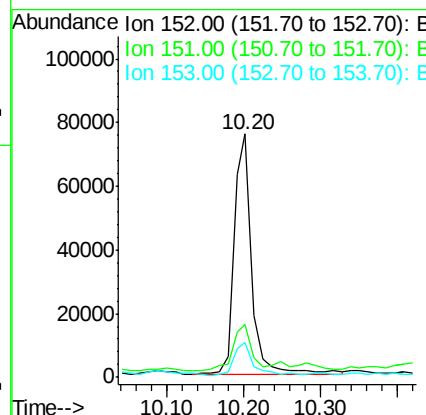
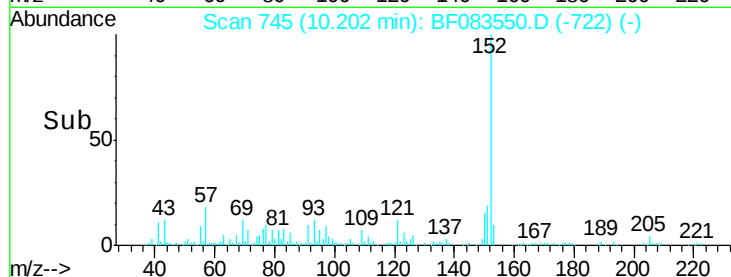
K209-0-2



Tot Ion	152	Resp	122074
Ion Ratio	Lower	Upper	
152	100		
151	21.6	16.3	24.5
153	14.2	10.8	16.2

Manual Integrations
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#49

Dimethylphthalate

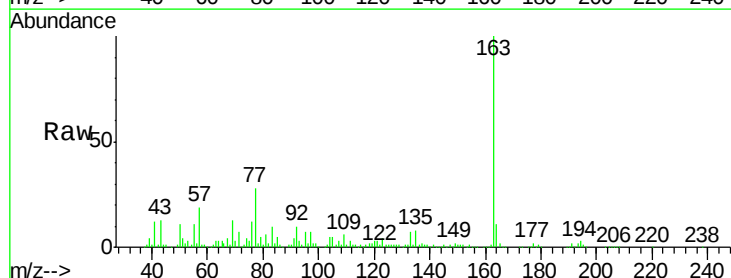
Concen: 17.61 ng

RT: 10.06 min Scan# 733

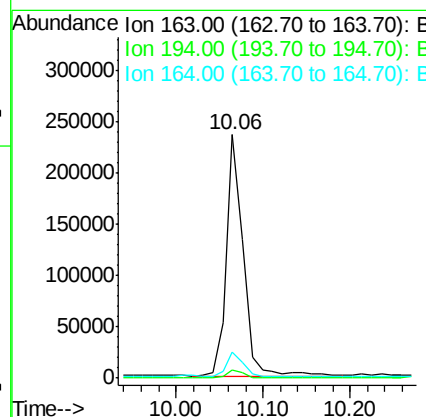
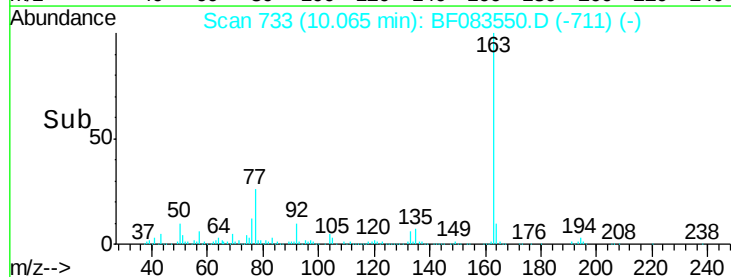
Delta R.T. -0.05 min

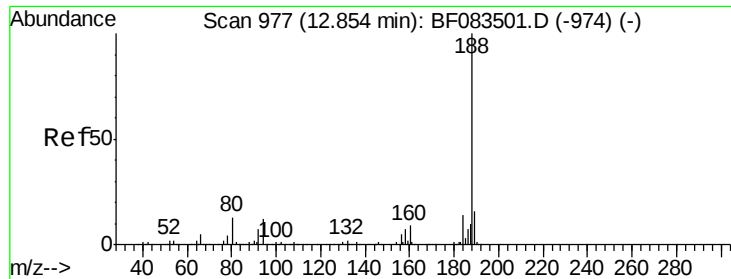
Lab File: BF083550.D

Acq: 7 Dec 2015 8:48



Tgt Ion	163	Resp	319033
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.8	4.2
164	11.0	8.6	13.0





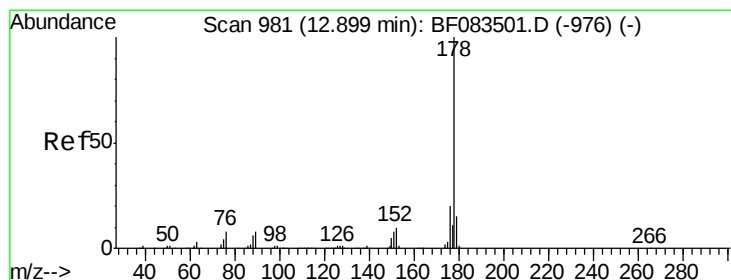
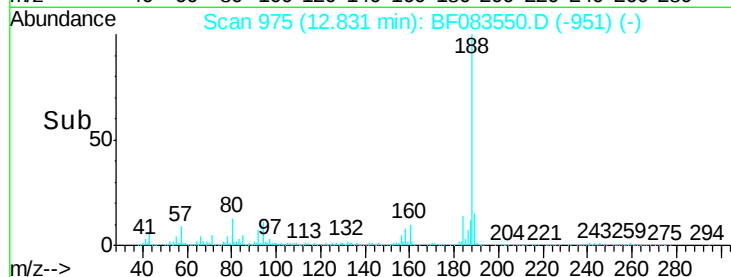
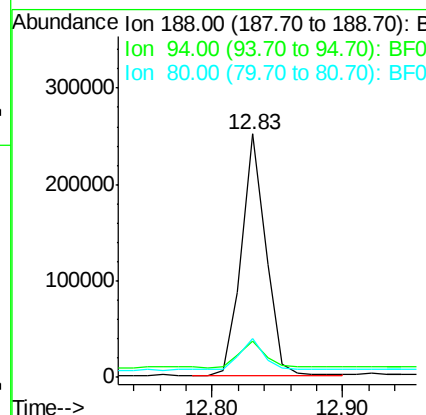
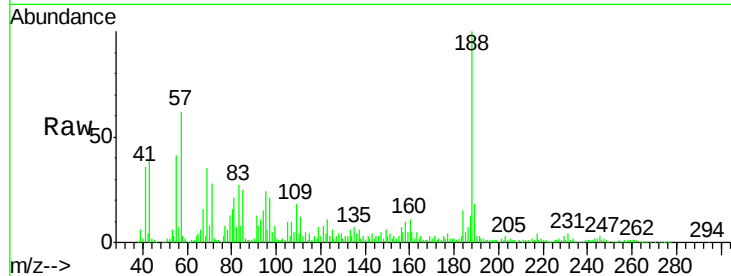
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.83 min Scan# 975
Delta R.T. -0.02 min
Lab File: BF083550.D
Acq: 7 Dec 2015 8:48

Instrument :
BNA_F
ClientSampleId :
K209-0-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	325794		
94	14.8	9.4	14.2#	
80	15.8	10.6	16.0	

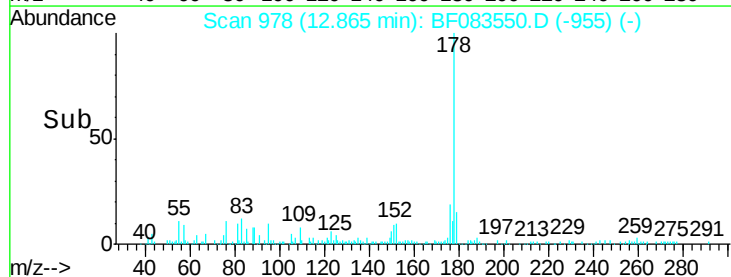
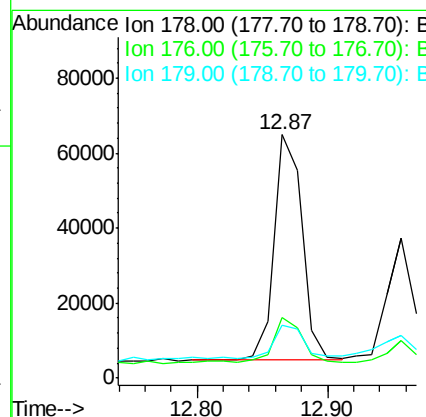
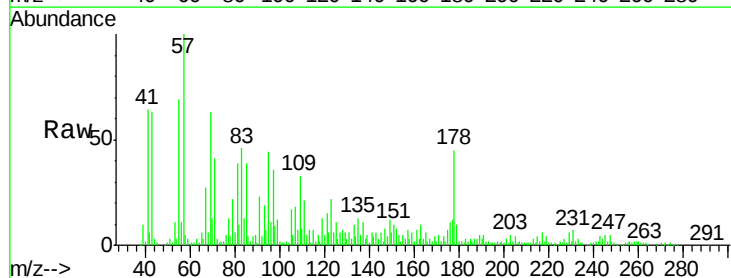
Manual Integrations
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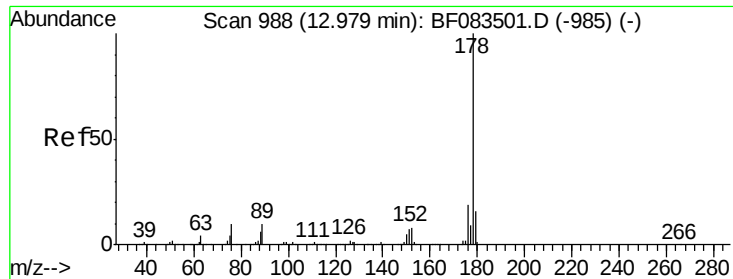
Mmdadoda
12/7/2015 6:33:38 PM



#70
Phenanthrene
Concen: 4.76 ng
RT: 12.87 min Scan# 978
Delta R.T. -0.03 min
Lab File: BF083550.D
Acq: 7 Dec 2015 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	90190		
176	24.8	15.7	23.5#	
179	21.5	12.2	18.4#	





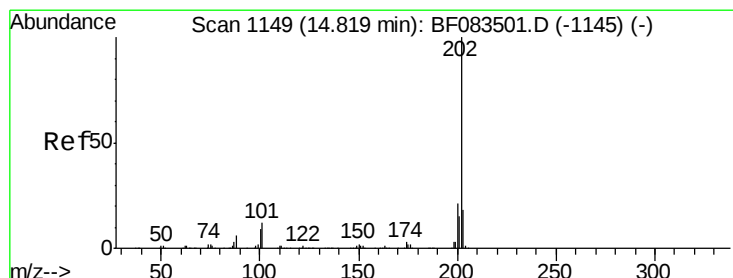
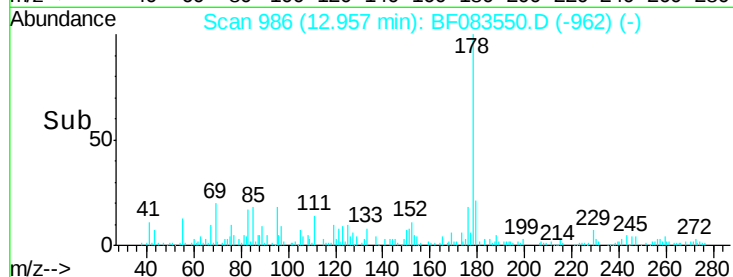
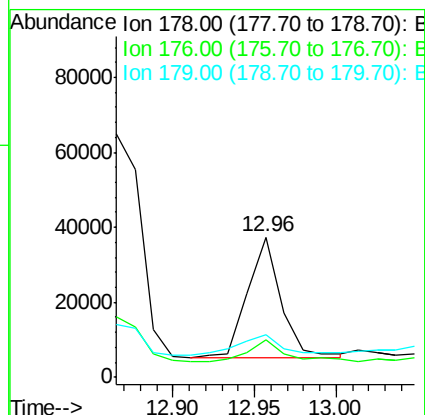
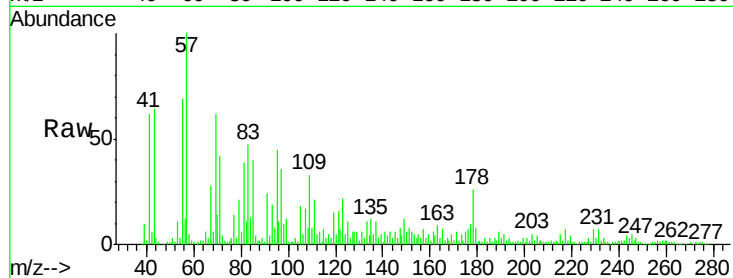
#71
 Anthracene
 Concen: 2.38 ng
 RT: 12.96 min Scan# 986
 Delta R.T. -0.02 min
 Lab File: BF083550.D
 Acq: 7 Dec 2015 8:48

Instrument :
 BNA_F
 ClientSampleId :
 K209-0-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	27.1	15.2	22.8#
179	30.8	12.6	18.8#

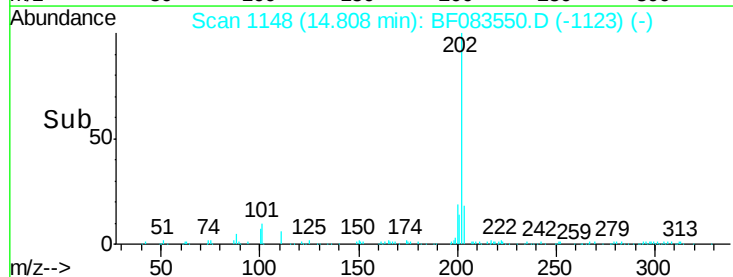
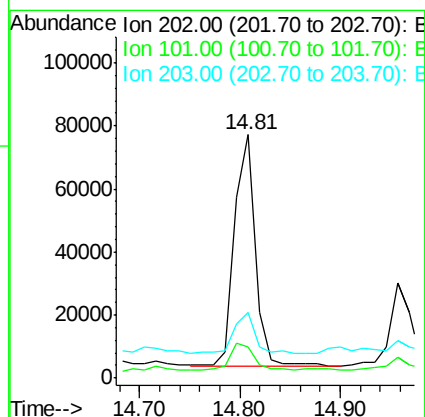
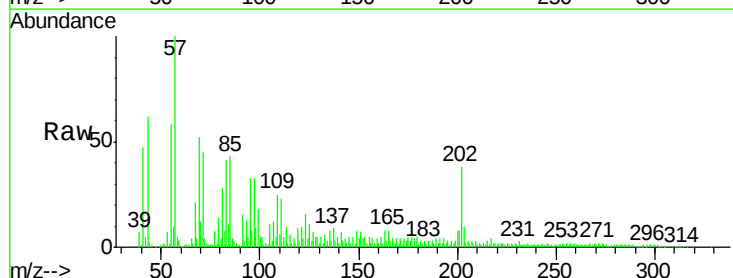
Manual Integrations
 APPROVED

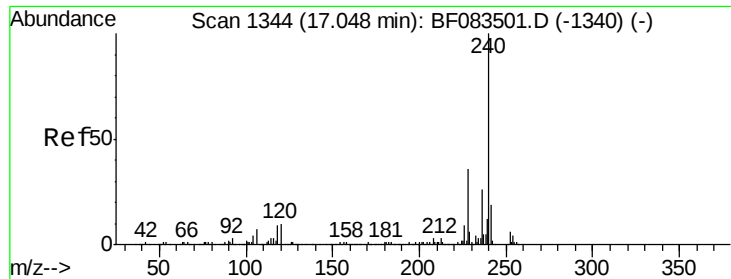
Mmdadoda
 12/7/2015 6:33:38 PM



#74
 Fluoranthene
 Concen: 5.72 ng
 RT: 14.81 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF083550.D
 Acq: 7 Dec 2015 8:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.5
203	27.2	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.04 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Instrument :

BNA_F

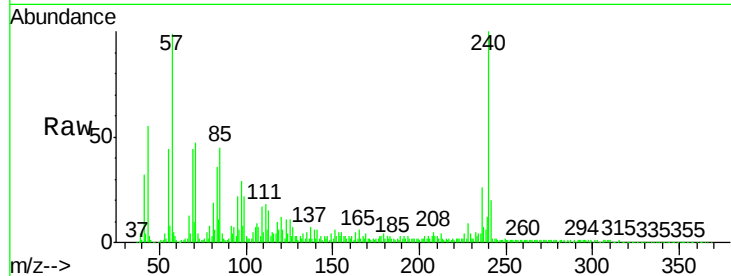
ClientSampleId :

K209-0-2

Tot Ion:	240	Resp:	282359
Ion Ratio	Lower	Upper	
240	100		
120	12.2	8.1	12.1#
236	26.4	20.8	31.2

Manual Integrations
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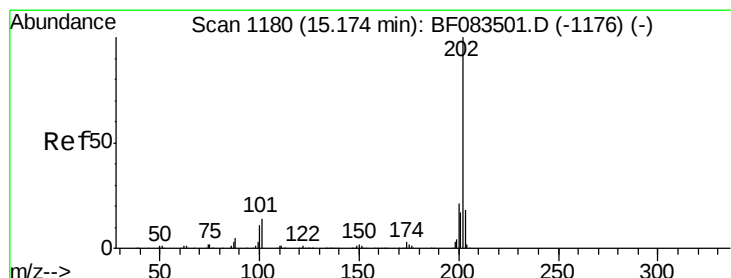
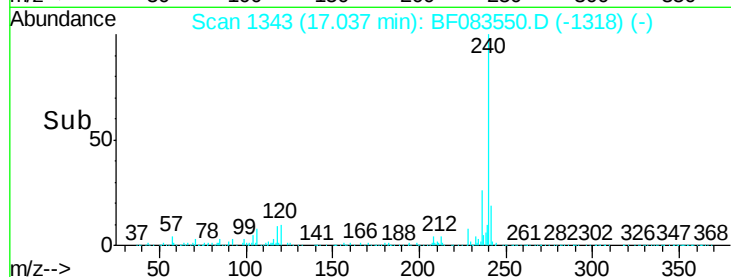
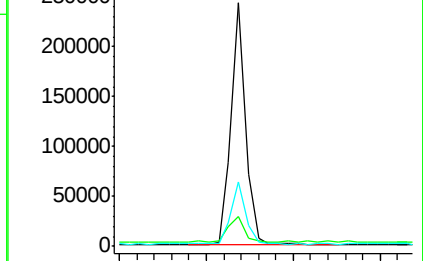
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.93 ng

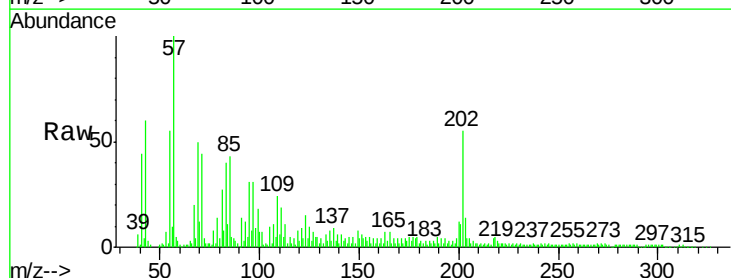
RT: 15.16 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

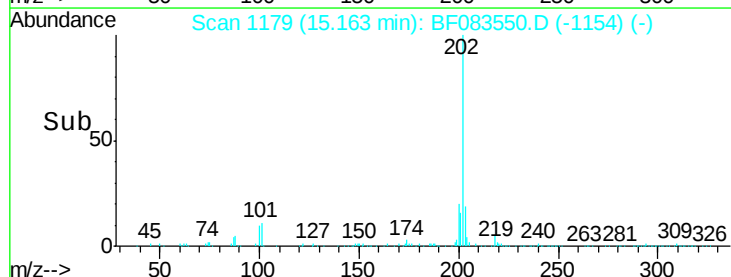
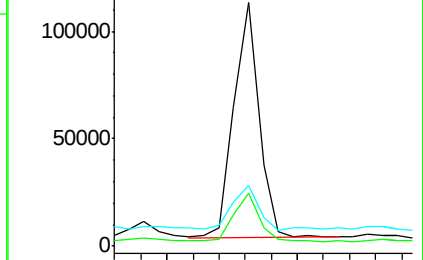
Tgt Ion:	202	Resp:	146419
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.7	25.1
203	24.7	14.3	21.5#

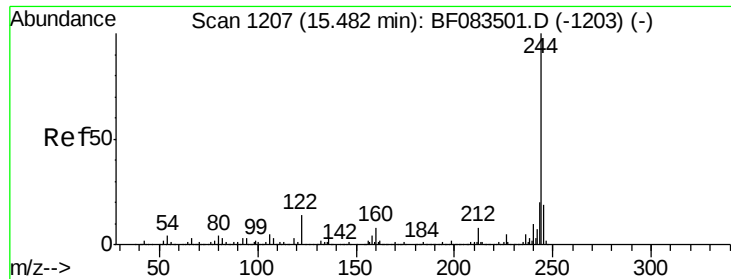


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.66 ng

RT: 15.47 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Instrument :

BNA_F

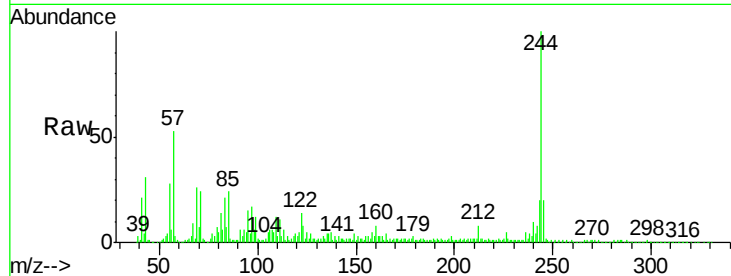
ClientSampleId :

K209-0-2

Tot Ion:	244	Resp:	528591
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.1	9.1
122	14.1	11.0	16.6

Manual Integrations
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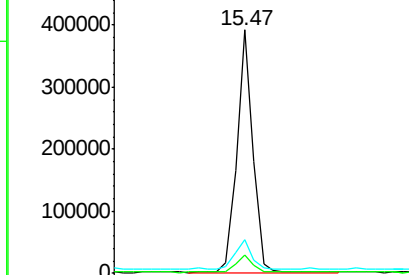
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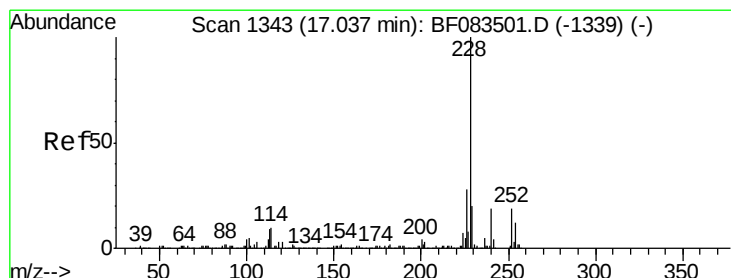
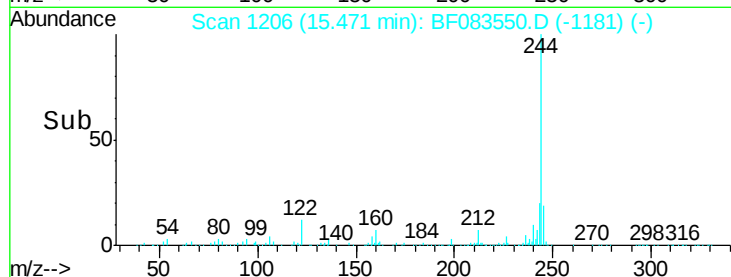
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 5.67 ng

RT: 17.03 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF083550.D

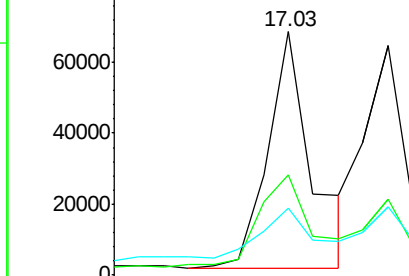
Acq: 7 Dec 2015 8:48

Tgt Ion:	228	Resp:	93703
Ion Ratio	Lower	Upper	
228	100		
226	41.4	22.3	33.5#
229	27.7	15.7	23.5#

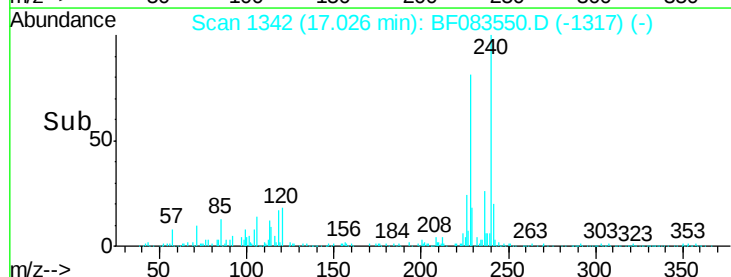
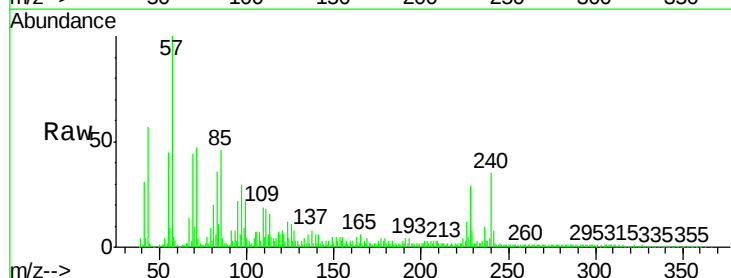
Abundance Ion 228.00 (227.70 to 228.70): E

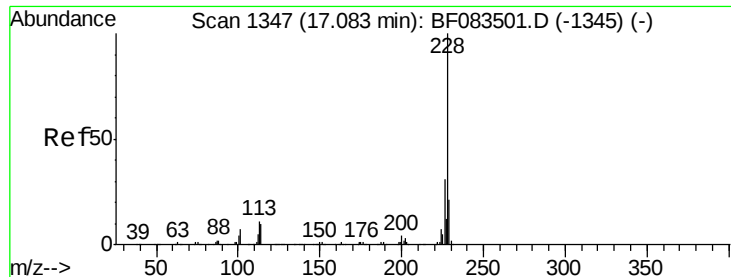
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#82

Chrysene

Concen: 4.96 ng

RT: 17.07 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Instrument :

BNA_F

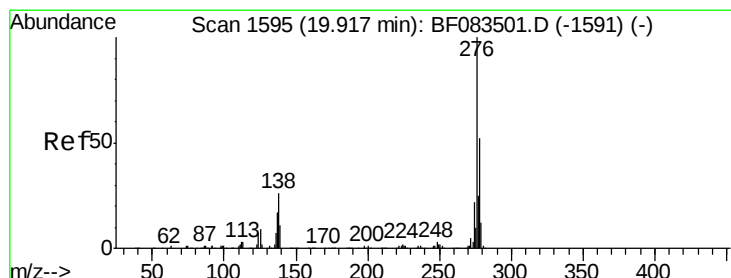
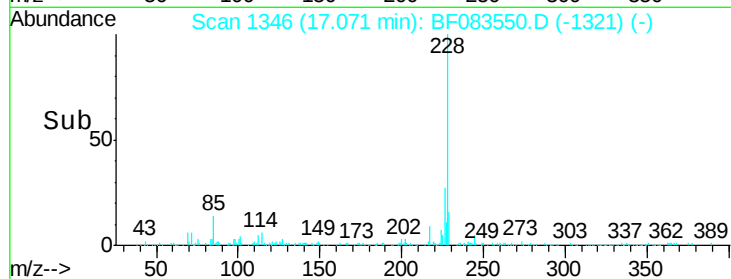
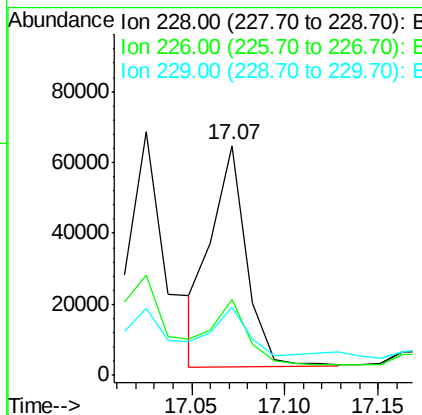
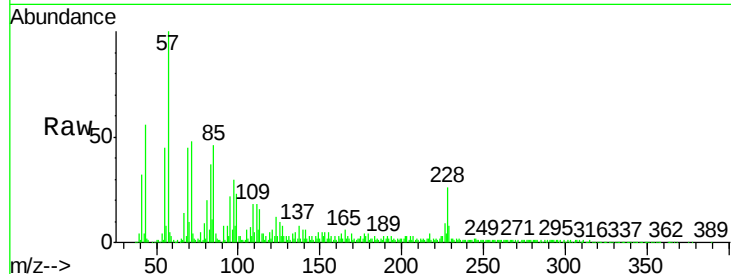
ClientSampleId :

K209-0-2

Tot Ion:	228	Resp:	81625
Ion Ratio	Lower	Upper	
228	100		
226	32.9	24.7	37.1
229	29.6	16.3	24.5#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.91 ng

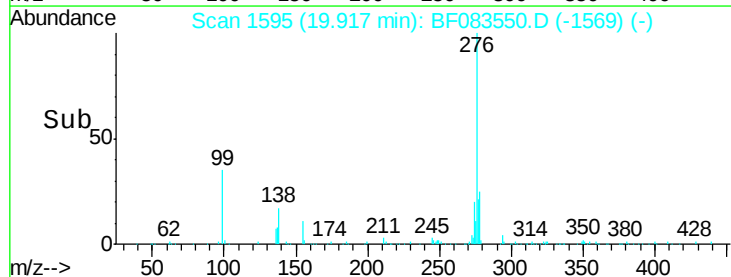
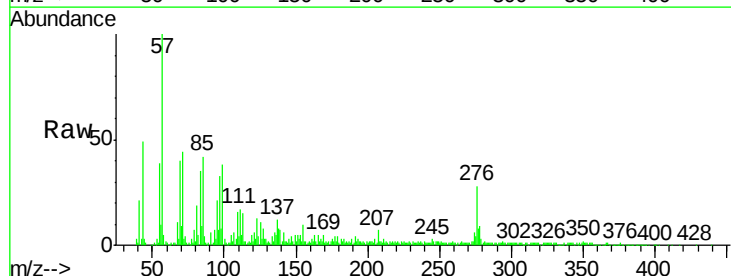
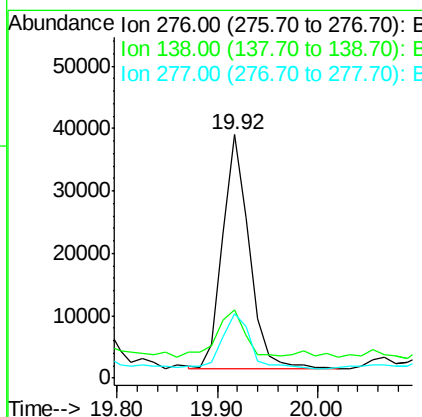
RT: 19.92 min Scan# 1595

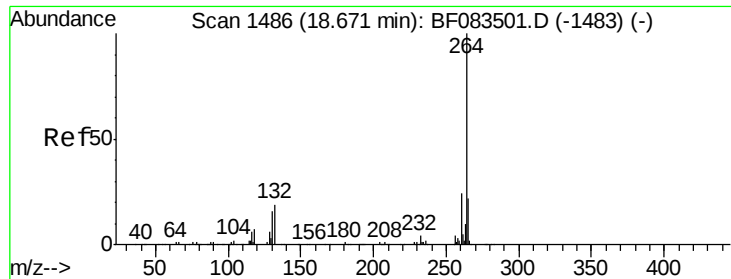
Delta R.T. 0.00 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Tgt Ion:	276	Resp:	69250
Ion Ratio	Lower	Upper	
276	100		
138	21.2	0.0	0.0#
277	25.6	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BF083550.D

Acq: 7 Dec 2015 8:48

Instrument :

BNA_F

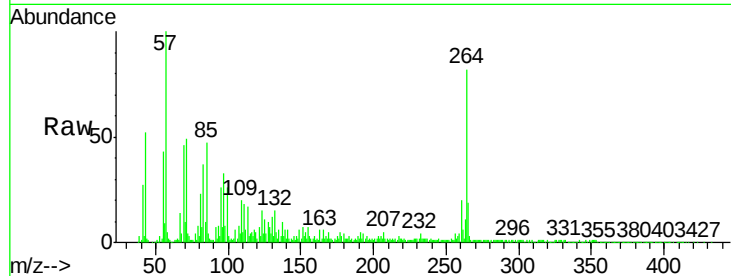
ClientSampled :

K209-0-2

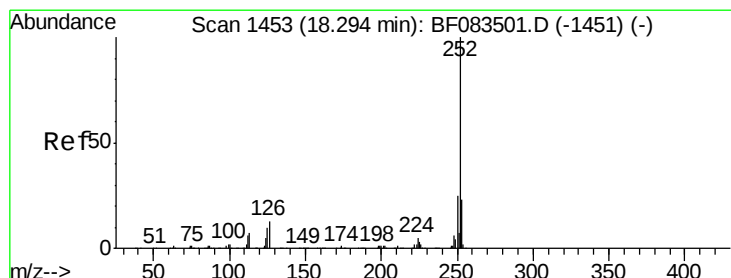
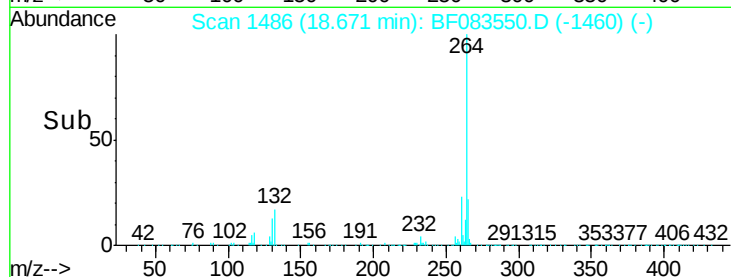
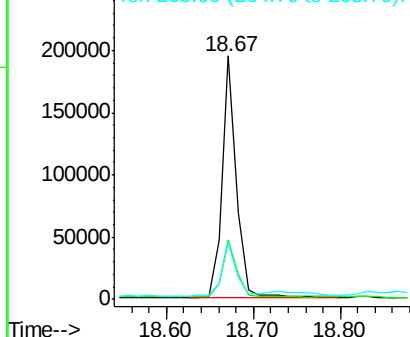
Tot Ion:	264	Resp:	224257
Ion Ratio		Lower	Upper
264	100		
260	24.6	19.4	29.0
265	23.5	17.8	26.6

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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: 9.14 ng m

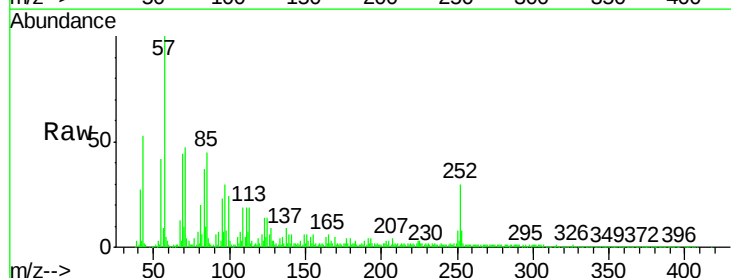
RT: 18.29 min Scan# 1453

Delta R.T. 0.00 min

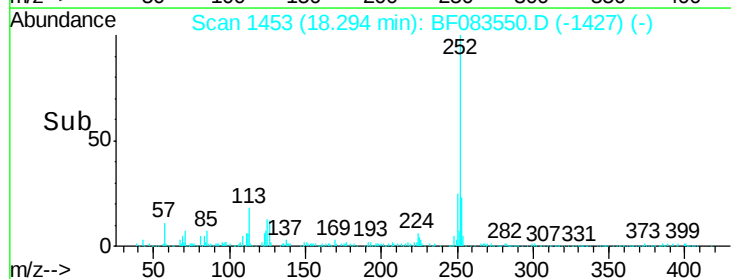
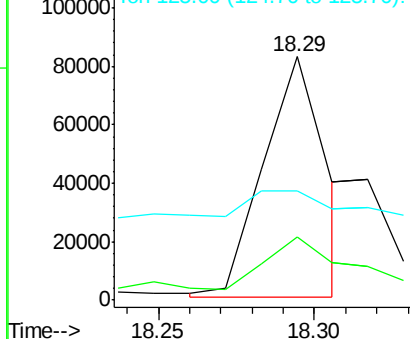
Lab File: BF083550.D

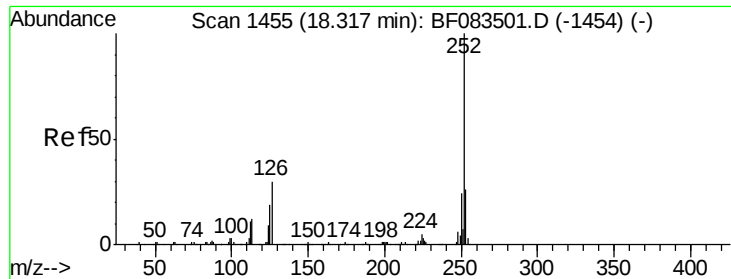
Acq: 7 Dec 2015 8:48

Tgt Ion:	252	Resp:	115173
Ion Ratio		Lower	Upper
252	100		
253	25.7	18.2	27.4
125	44.8	8.2	12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





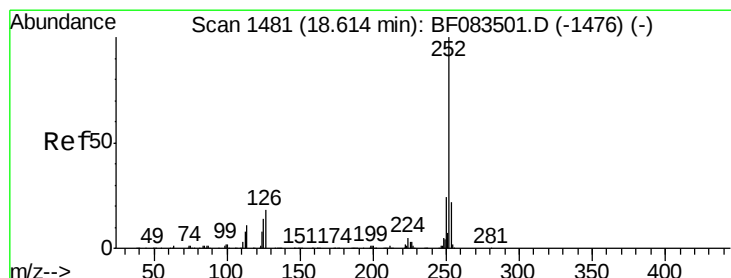
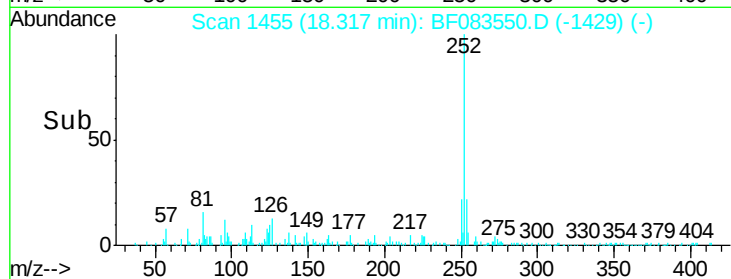
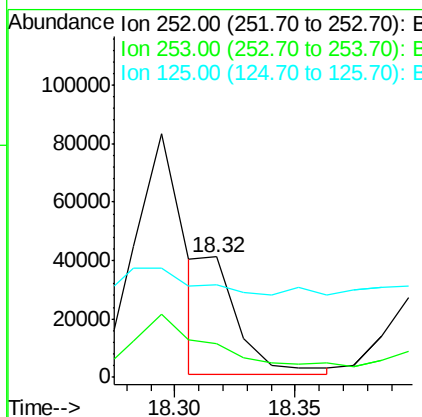
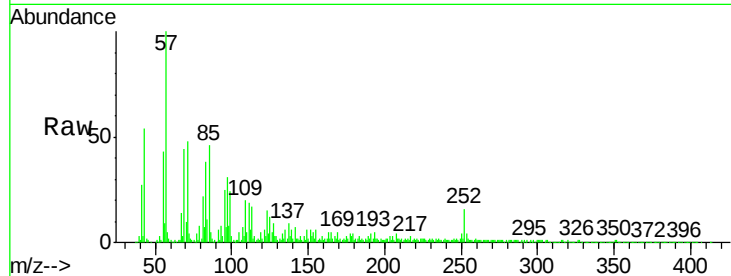
#88
Benzo(k)fluoranthene
Concen: 3.13 ng m
RT: 18.32 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF083550.D
Acq: 7 Dec 2015 8:48

Instrument :
BNA_F
ClientSampleId :
K209-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.6	27.8#
125	76.9	11.5	17.3#

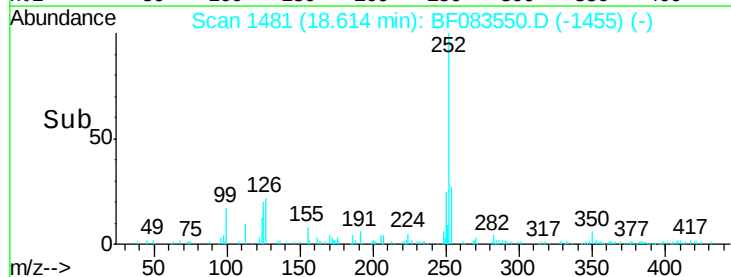
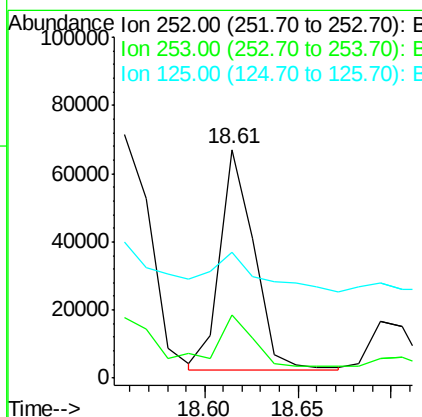
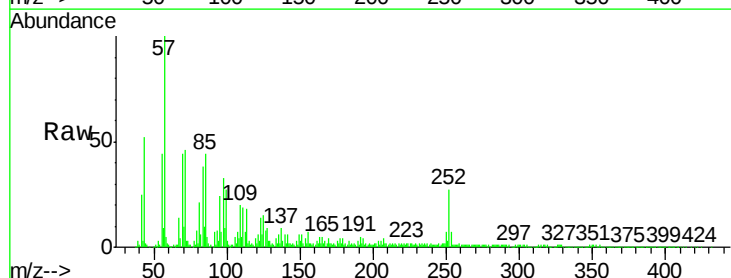
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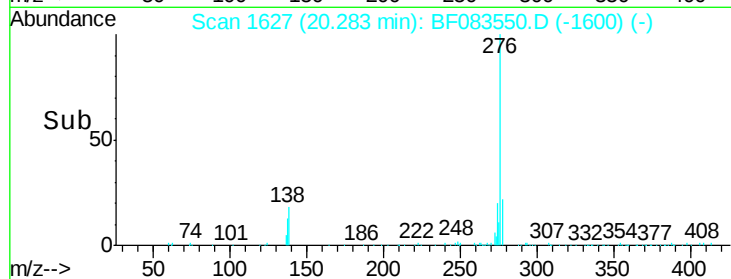
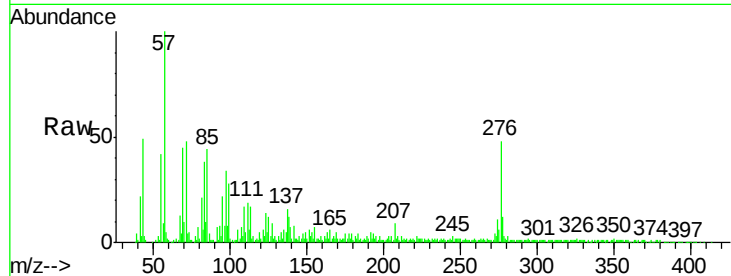
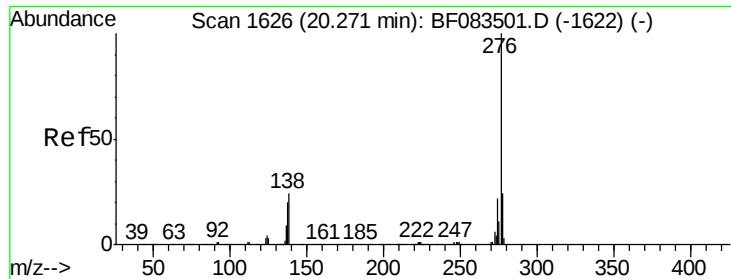
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#89
Benzo(a)pyrene
Concen: 6.75 ng
RT: 18.61 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BF083550.D
Acq: 7 Dec 2015 8:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.5	26.3#
125	55.0	11.0	16.6#





#91
 Benzo(a,h,i)perylene
 Concen: 8.16 ng
 RT: 20.28 min Scan# 1627
 Delta R.T. 0.01 min
 Lab File: BF083550.D
 Acq: 7 Dec 2015 8:48

Instrument :
 BNA_F
 ClientSampleId :
 K209-0-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	24.3	19.5	29.3

Manual Integrations
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