

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083894.D
 Acq On : 18 Dec 2015 3:52
 Operator : UM/SJ
 Sample : G4680-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K200-(0-2)

Manual Integrations
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 12/18/2015 6:21:52 PM

Quant Time: Dec 18 06:24:21 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	55651	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	205939	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	95023	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	139509	20.00	ng	0.00
75) Chrysene-d12	14.03	240	103258	20.00	ng	0.00
86) Perylene-d12	15.48	264	94895	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	319859	89.95	ng	0.00
7) Phenol-d6	6.51	99	412805	94.84	ng	0.00
23) Nitrobenzene-d5	7.44	82	243574	67.50	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	98133	93.74	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	514031	74.49	ng	0.00
78) Terphenyl-d14	12.98	244	327246	73.23	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	70244	4.81	ng	97
37) 2-Methylnaphthalene	8.88	142	24062	3.36	ng	# 89
48) Acenaphthylene	9.77	152	78019	7.04	ng	97
49) Dimethylphthalate	9.63	163	117935	14.79	ng	97
70) Phenanthrene	11.41	178	78044	9.26	ng	96
71) Anthracene	11.47	178	36389	4.47	ng	99
74) Fluoranthene	12.61	202	147640	17.55	ng	94
77) Pyrene	12.84	202	211172	32.99	ng	99
80) Benzo(a)anthracene	14.03	228	125634	19.79	ng	# 83
82) Chrysene	14.07	228	106719m	17.40	ng	
85) Indeno(1,2,3-cd)pyrene	16.91	276	70877m	15.46	ng	
87) Benzo(b)fluoranthene	15.07	252	156193m	22.58	ng	
88) Benzo(k)fluoranthene	15.08	252	38776m	6.79	ng	
89) Benzo(a)pyrene	15.43	252	97075	16.99	ng	# 94
90) Dibenzo(a,h)anthracene	16.91	278	19315m	4.35	ng	
91) Benzo(g,h,i)perylene	17.35	276	80506	18.48	ng	96

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

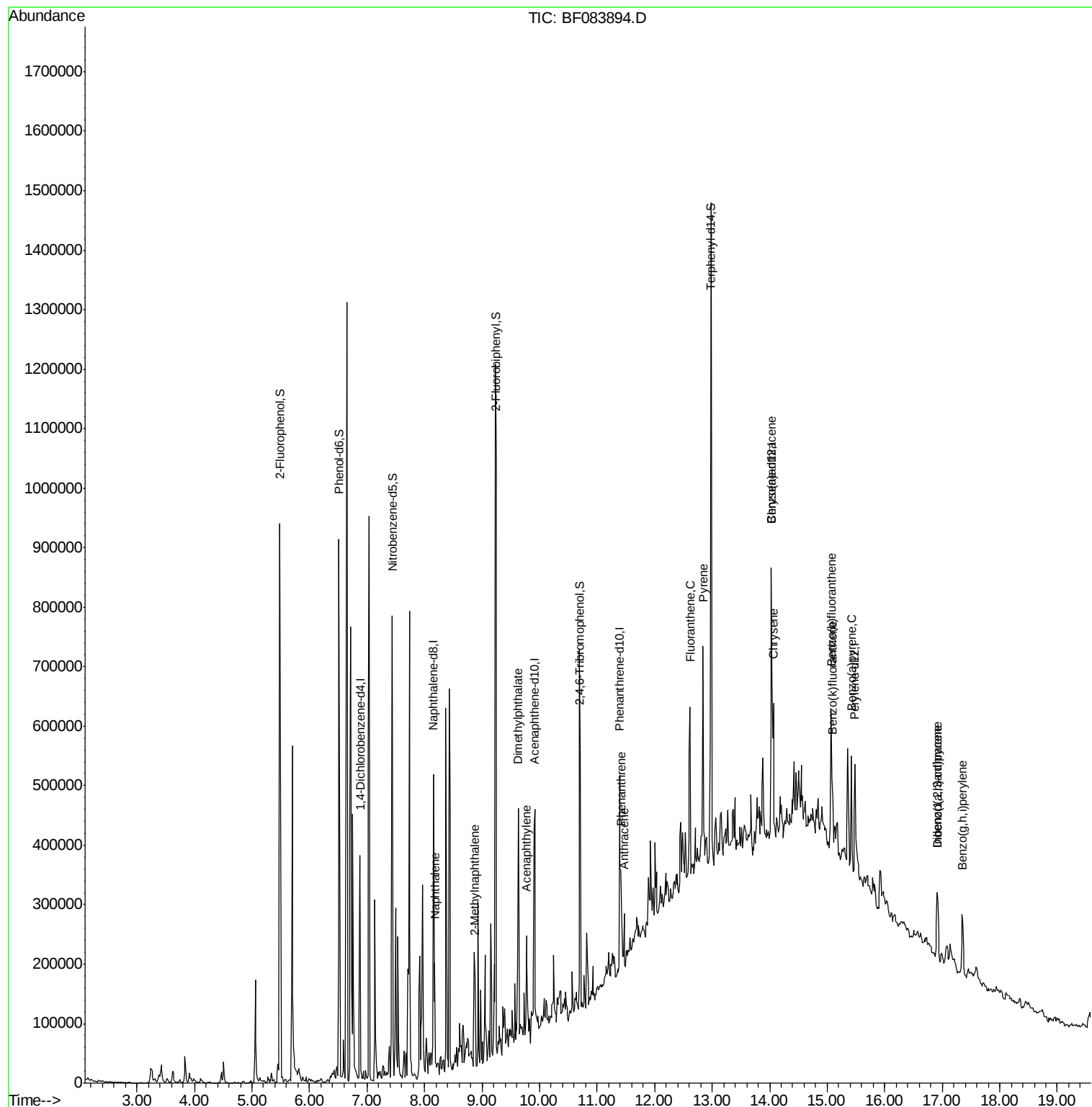
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083894.D
Acq On : 18 Dec 2015 3:52
Operator : UM/SJ
Sample : G4680-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

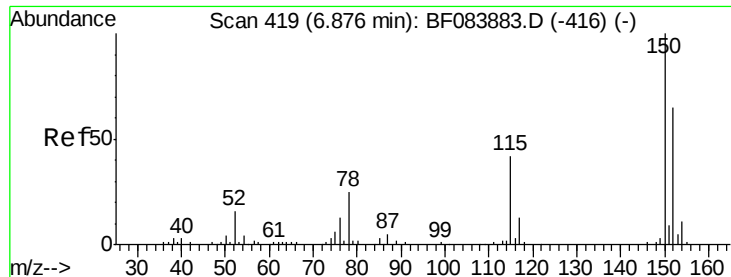
Instrument :
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Quant Time: Dec 18 06:24:21 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

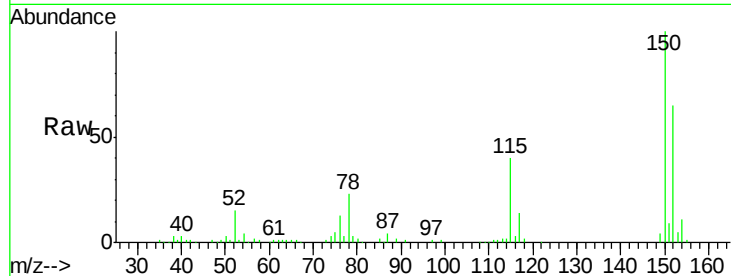
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

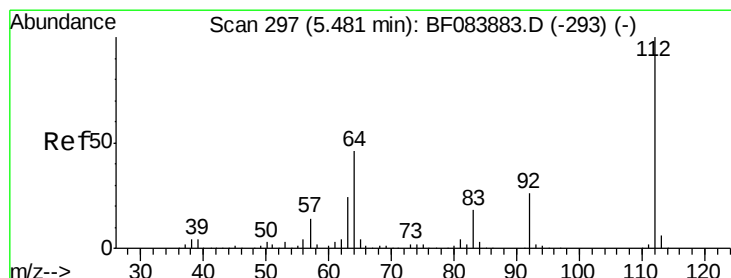
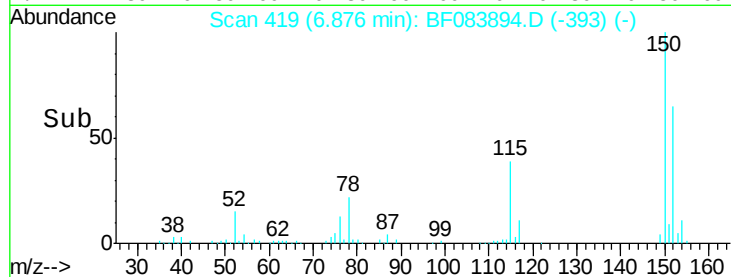
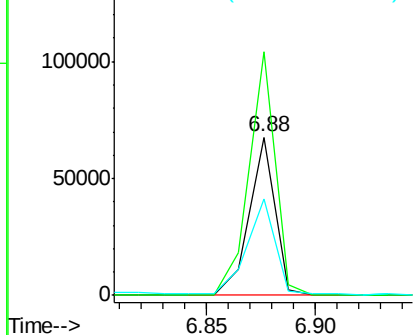
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.0	184.4
115	61.1	51.4	77.2

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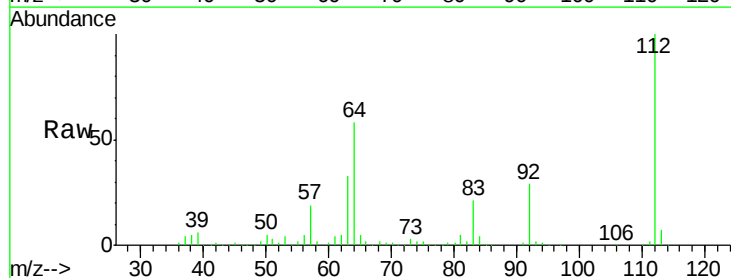
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



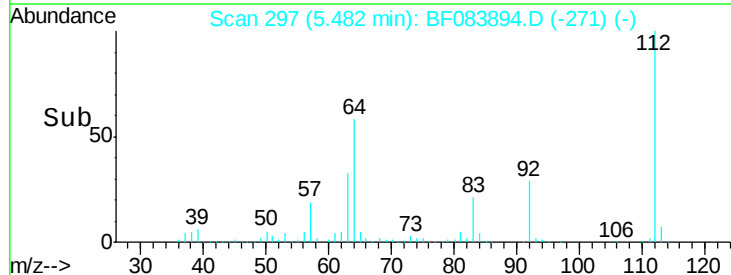
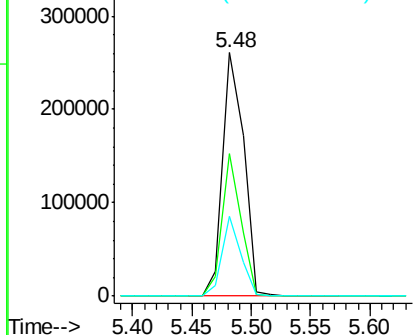
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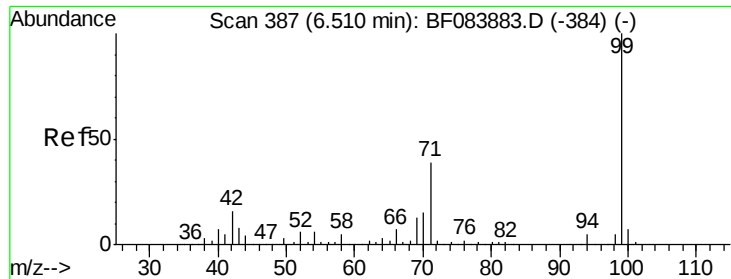
2-Fluorophenol
Concen: 89.95 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	36.6	55.0#
63	33.0	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: 94.84 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

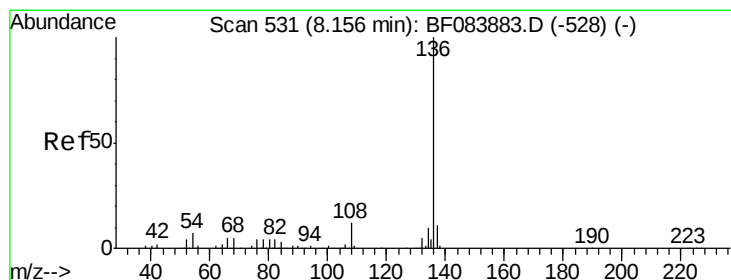
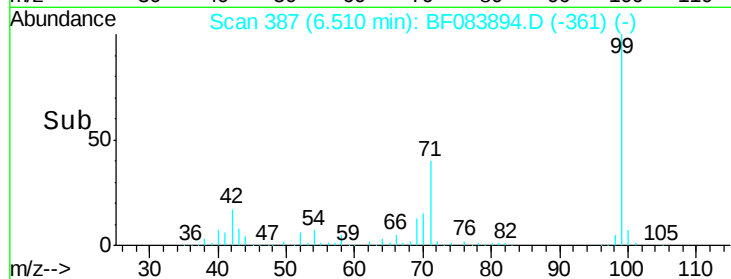
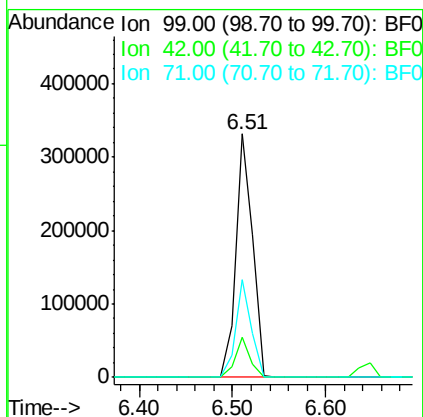
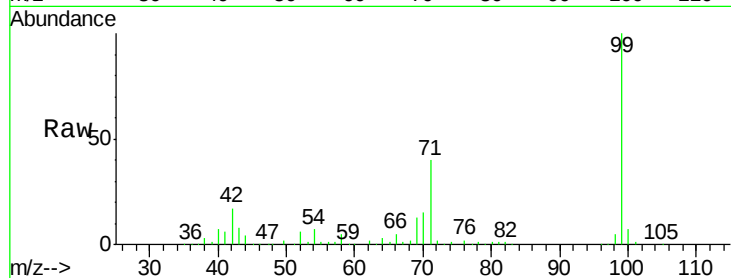
ClientSampleId :

K200-(0-2)

Tgt Ion:	99	Resp:	412805
Ion Ratio	Lower	Upper	
99	100		
42	16.6	12.8	19.2
71	40.3	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

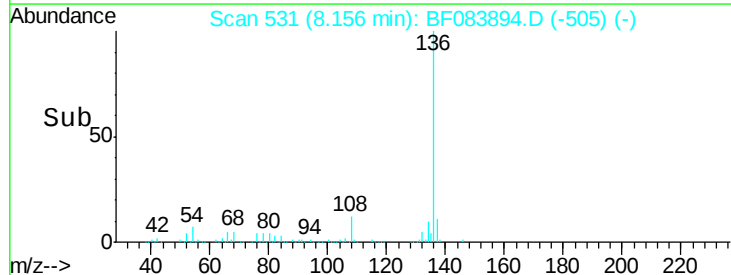
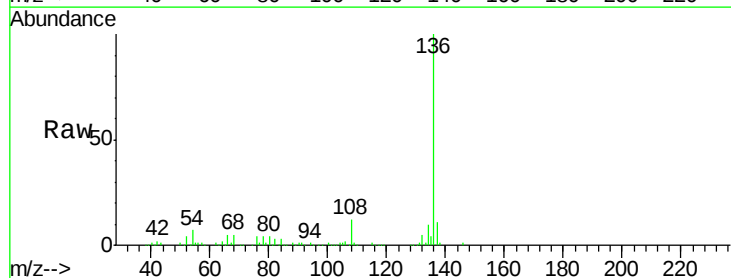
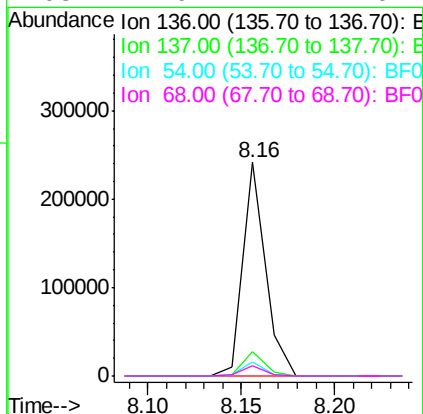
RT: 8.16 min Scan# 531

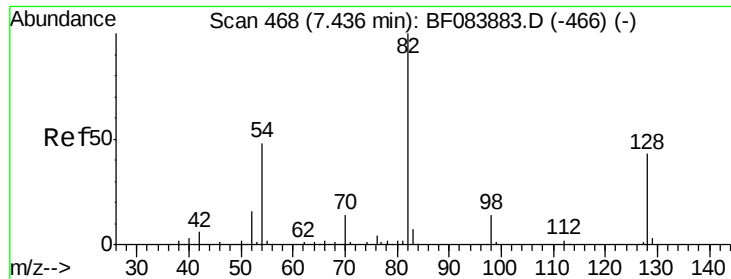
Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Tgt Ion:	136	Resp:	205939
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	6.9	5.8	8.8
68	4.9	4.2	6.2





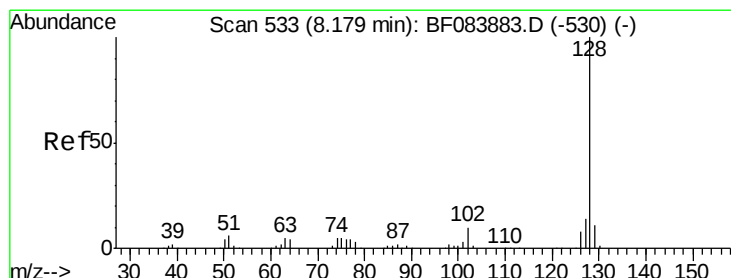
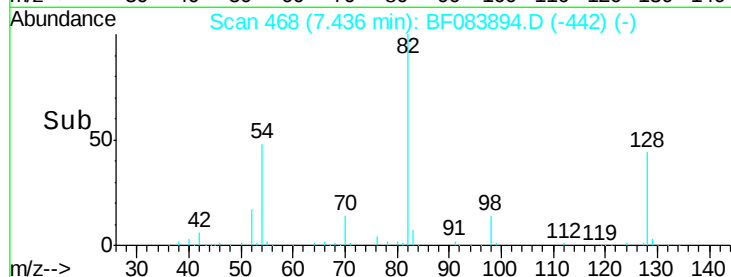
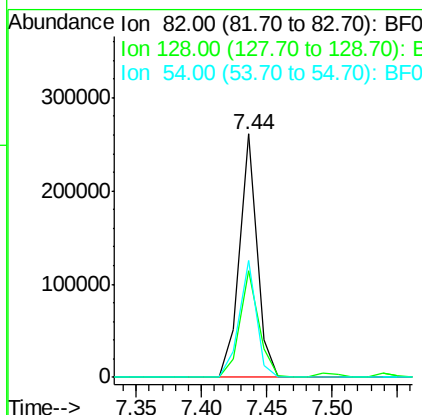
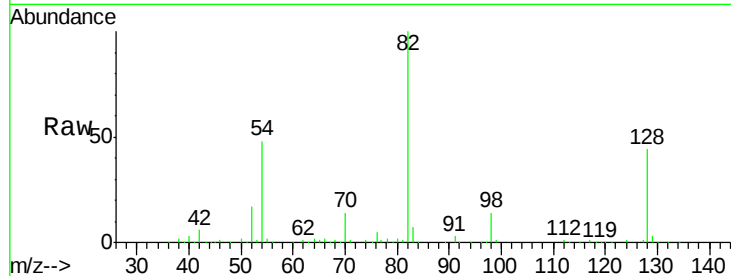
#23
Nitrobenzene-d5
Concen: 67.50 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	243574		
128	44.0	34.6	51.8	
54	47.9	38.4	57.6	

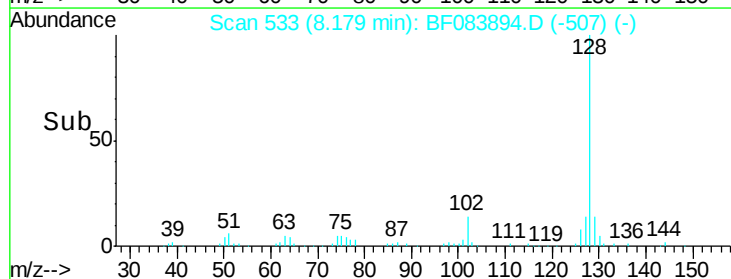
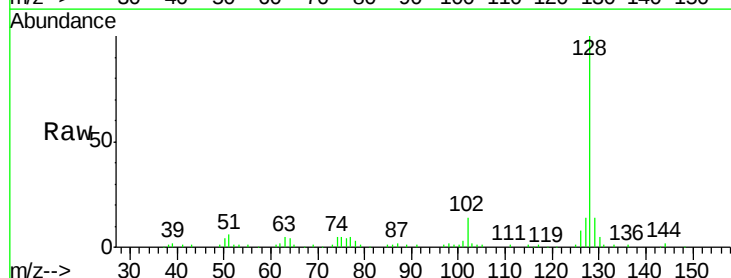
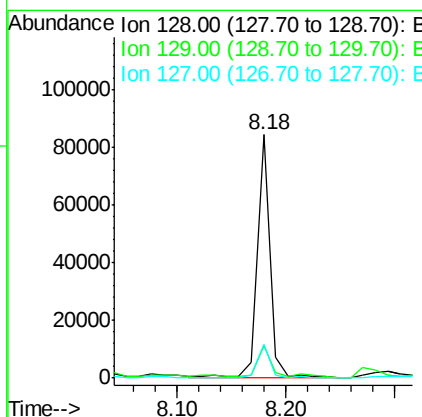
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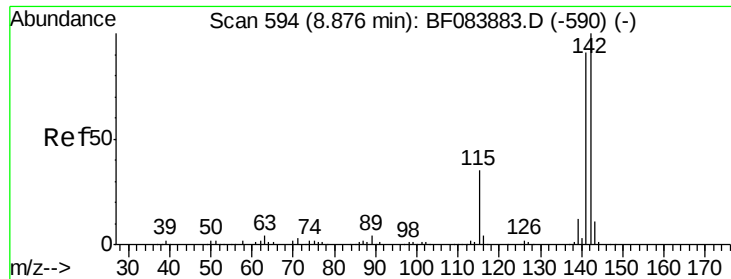
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#31
Naphthalene
Concen: 4.81 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	70244		
129	13.5	9.1	13.7	
127	13.8	11.1	16.7	





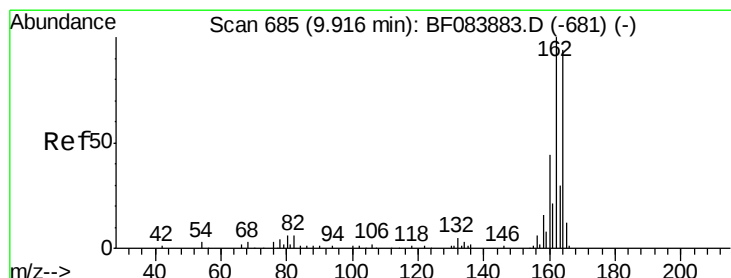
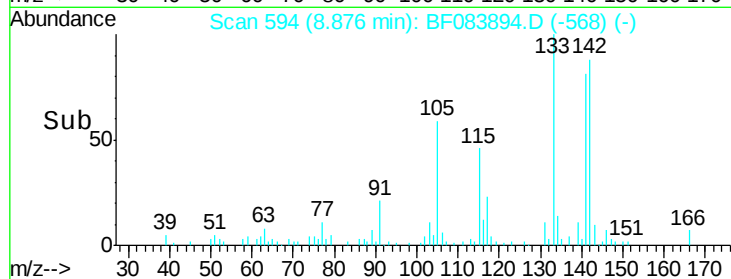
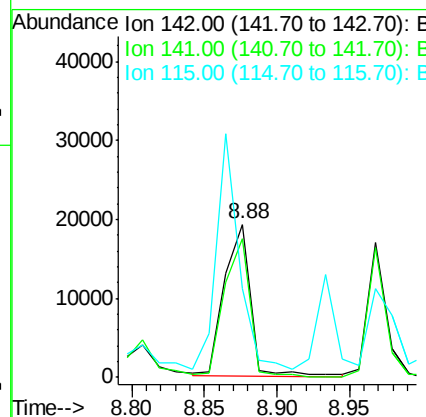
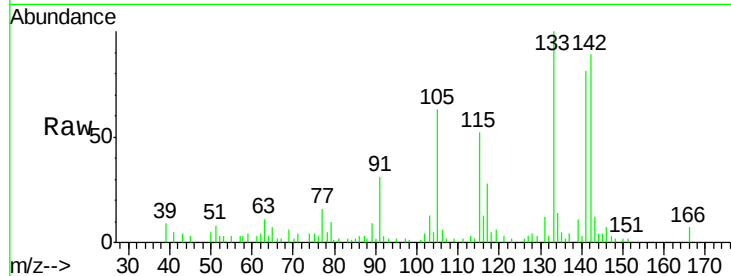
#37
2-Methylnaphthalene
Concen: 3.36 ng
RT: 8.88 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.4	108.6
115	58.0	27.9	41.9

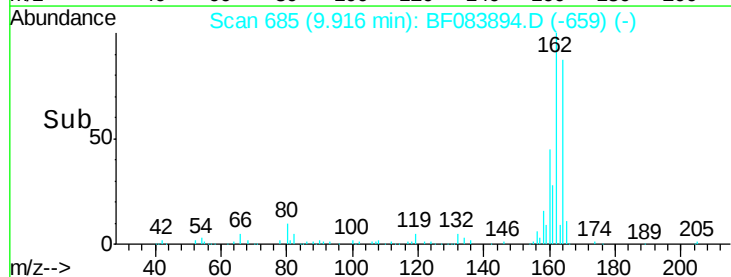
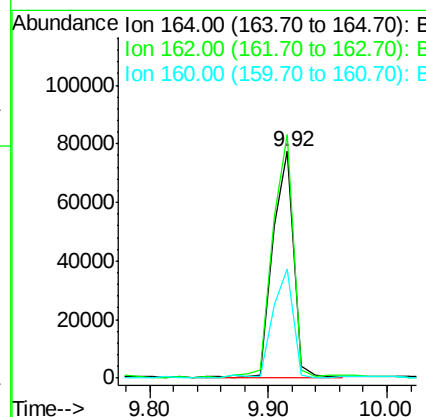
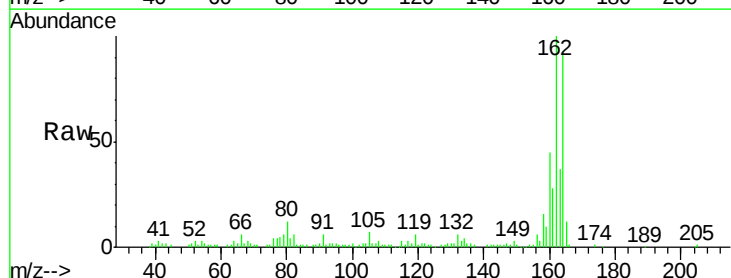
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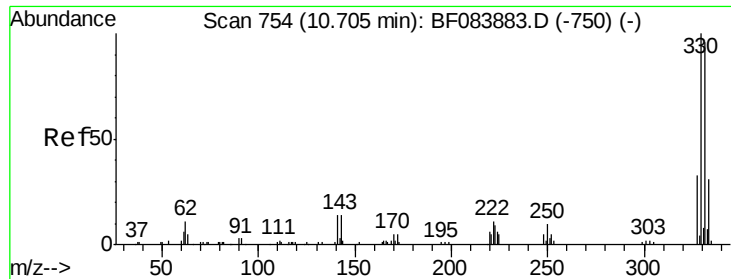
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.5	85.1	127.7
160	48.3	37.5	56.3





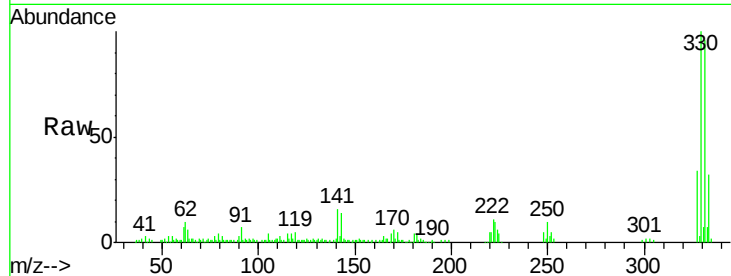
#41
 2,4,6-Tribromophenol
 Concen: 93.74 ng
 RT: 10.70 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Instrument :
 BNA_F
 ClientSampleId :
 K200-(0-2)

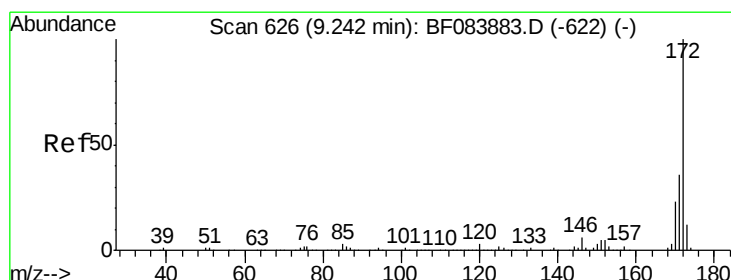
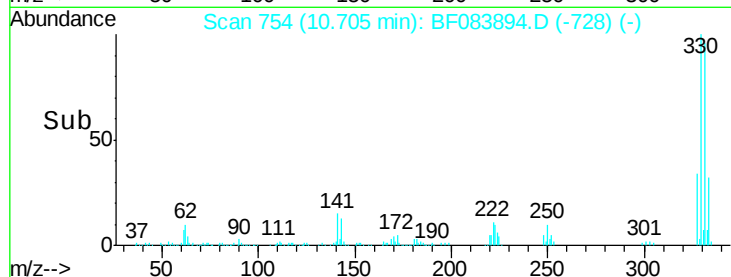
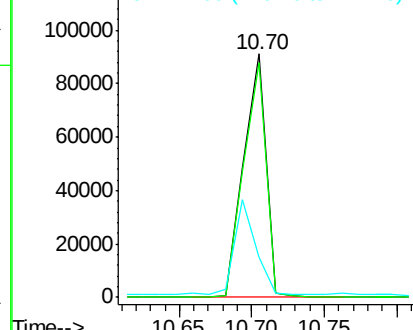
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	98133		
332	96.4	76.6	114.8	
141	38.0	27.8	41.6	

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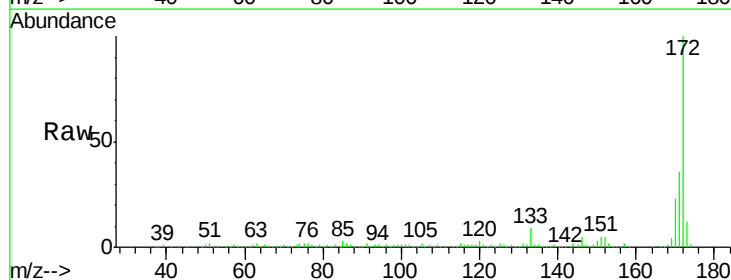


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

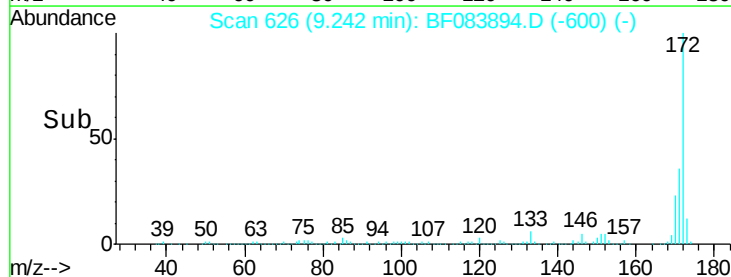
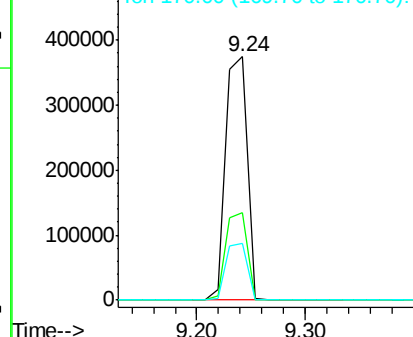


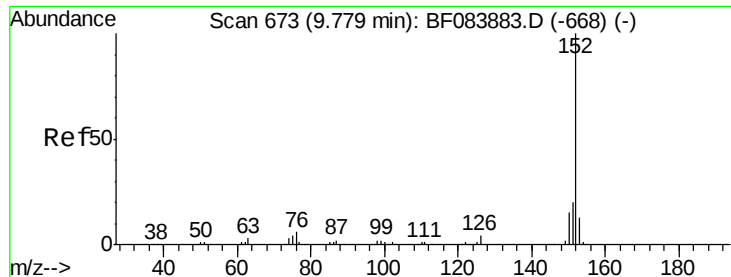
#44
 2-Fluorobiphenyl
 Concen: 74.49 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	514031		
171	35.7	28.9	43.3	
170	23.0	18.6	27.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 7.04 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

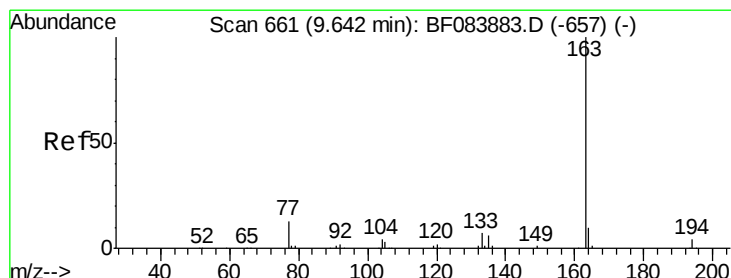
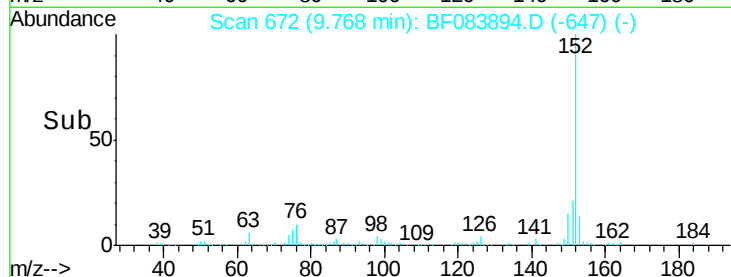
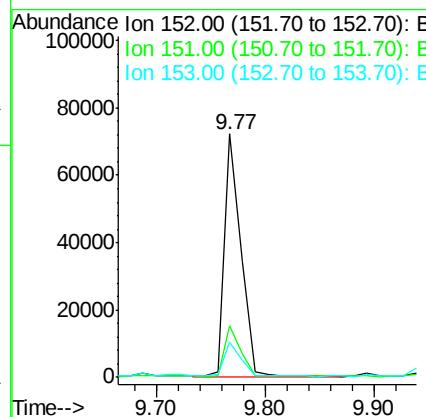
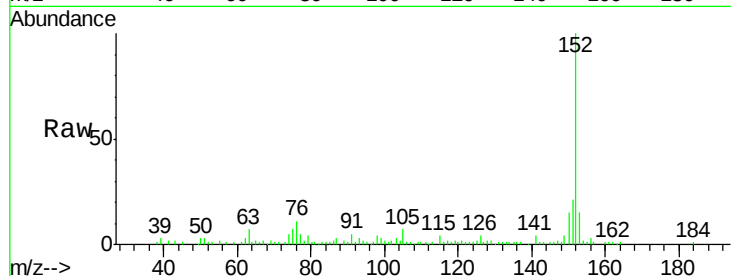
ClientSampleId :

K200-(0-2)

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Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.3	24.5
153	14.6	10.4	15.6



#49

Dimethylphthalate

Concen: 14.79 ng

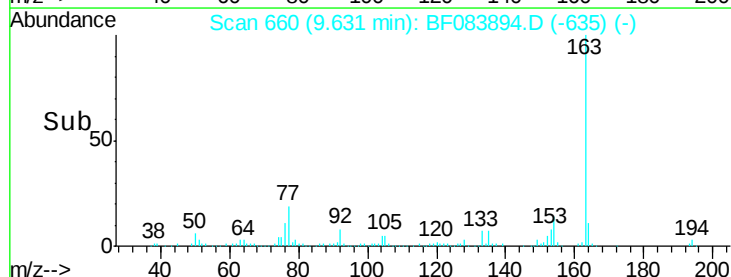
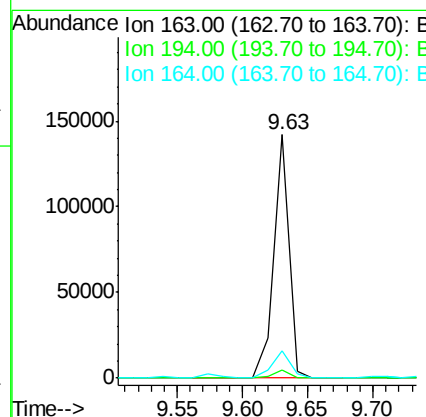
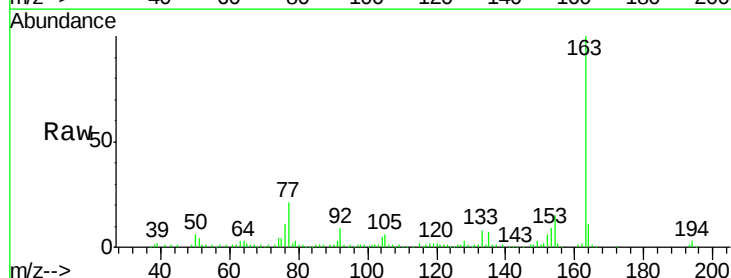
RT: 9.63 min Scan# 660

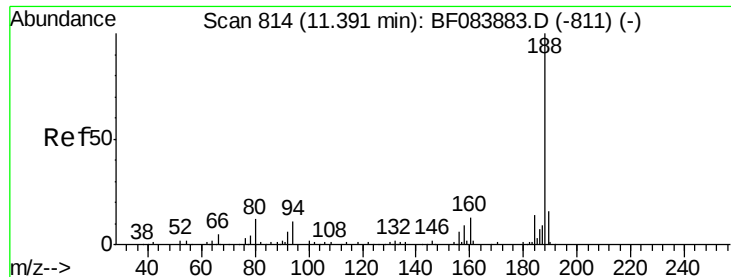
Delta R.T. -0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	11.2	7.9	11.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

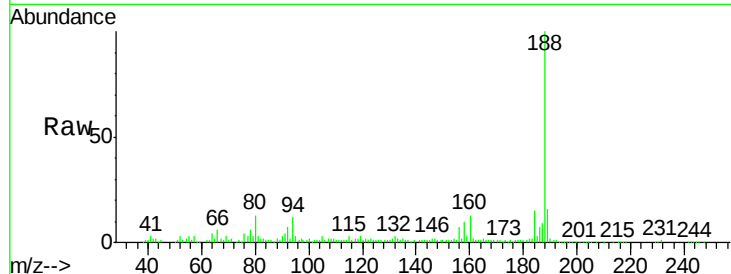
ClientSampleId :

K200-(0-2)

Tgt Ion:	188	Resp:	139509
Ion Ratio	Lower	Upper	
188	100		
94	11.6	9.0	13.4
80	12.9	9.6	14.4

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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

150000

100000

50000

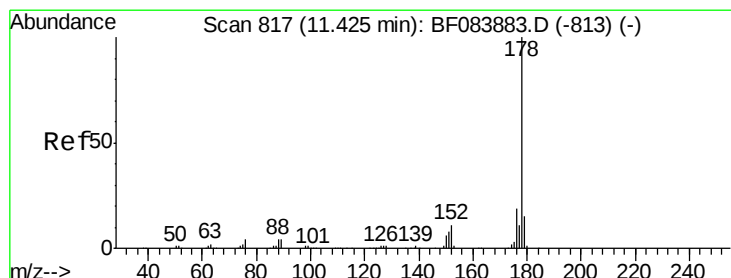
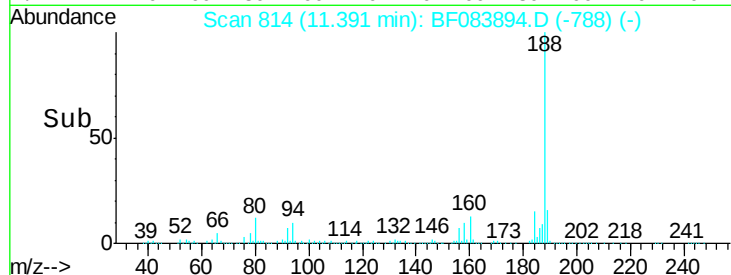
0

11.39

11.35

11.40

Time-->



#70

Phenanthrene

Concen: 9.26 ng

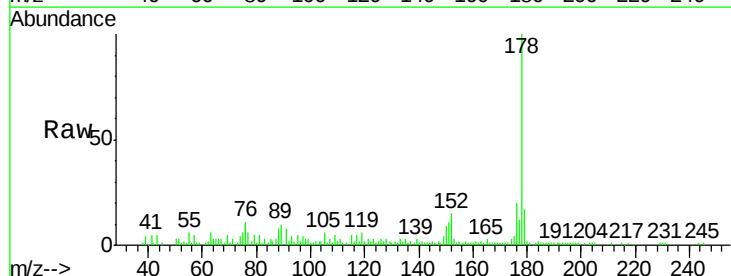
RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Tgt Ion:	178	Resp:	78044
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.3	22.9
179	17.1	12.0	18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

80000

60000

40000

20000

0

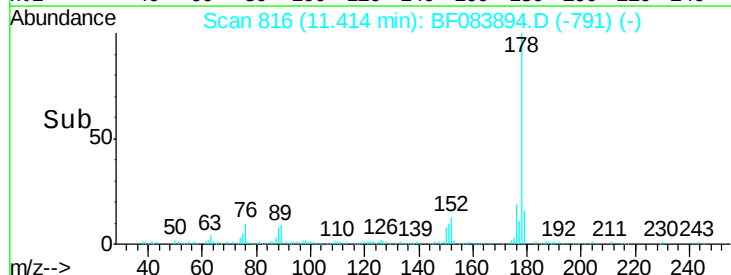
11.41

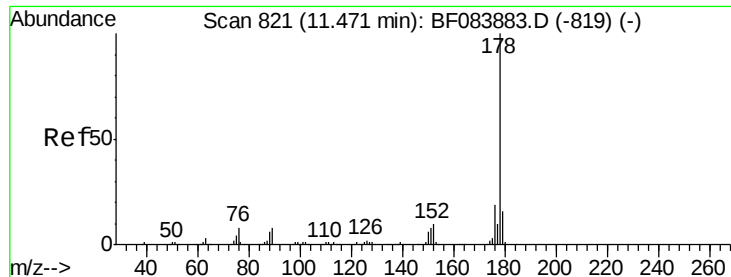
11.35

11.40

11.45

Time-->





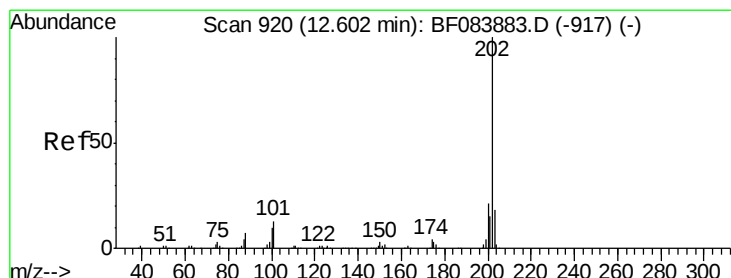
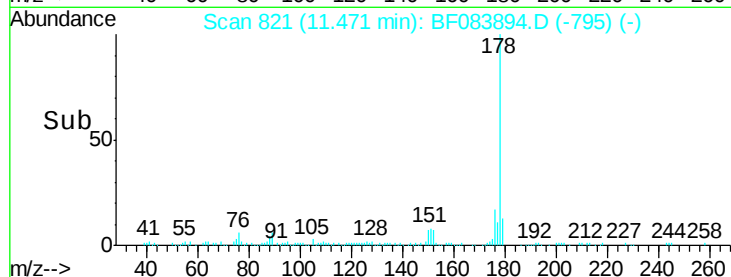
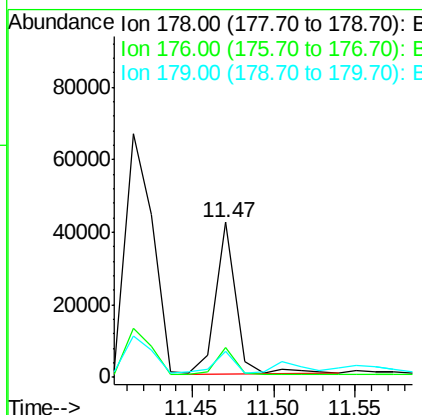
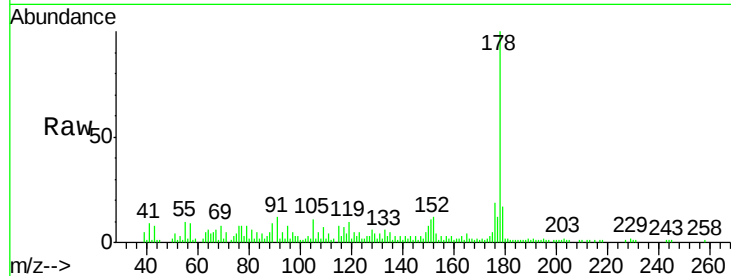
#71
 Anthracene
 Concen: 4.47 ng
 RT: 11.47 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Instrument :
 BNA_F
 ClientSampleId :
 K200-(0-2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	16.8	12.5	18.7

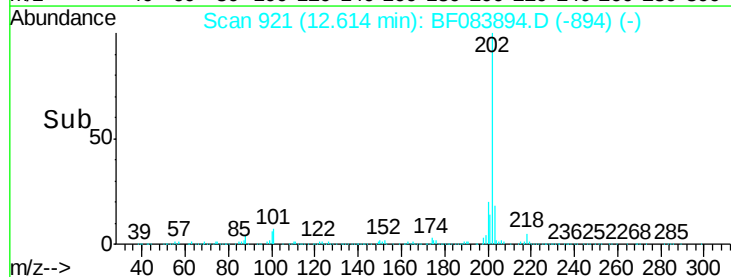
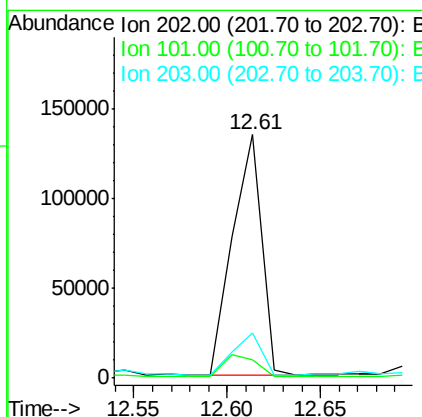
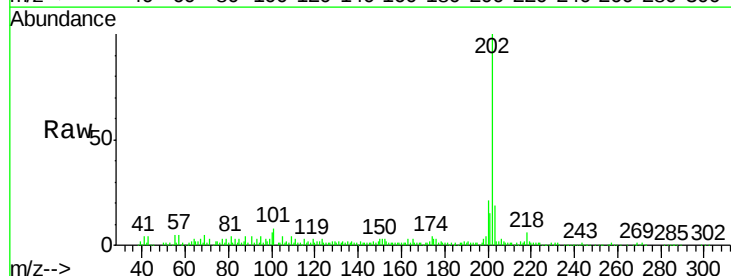
Manual Integrations
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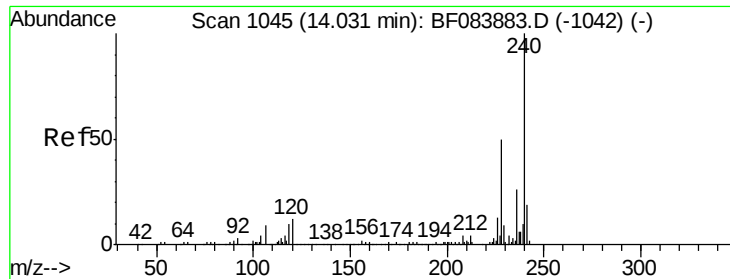
MMdadoda
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#74
 Fluoranthene
 Concen: 17.55 ng
 RT: 12.61 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	32.8
203	18.5	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

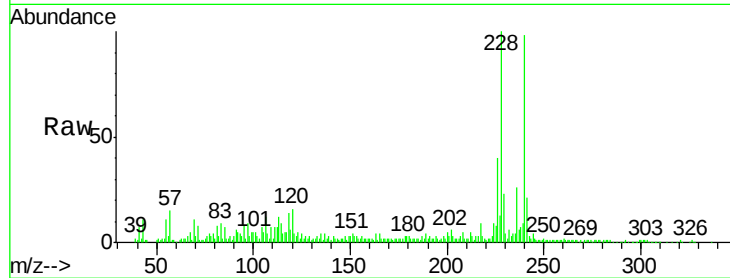
ClientSampleId :

K200-(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	16.4	9.5	14.3#	
236	26.8	20.6	31.0	

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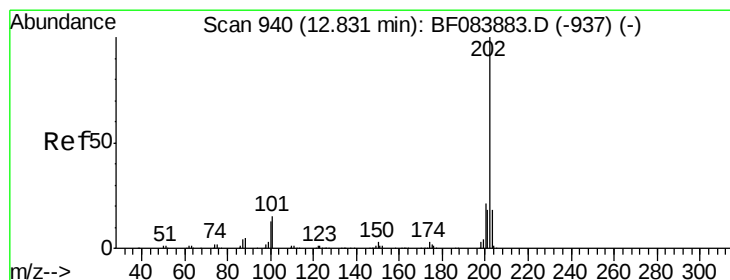
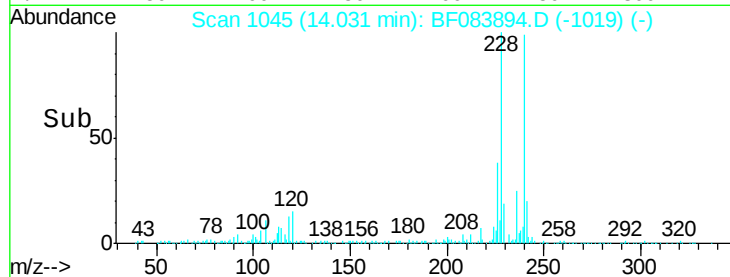
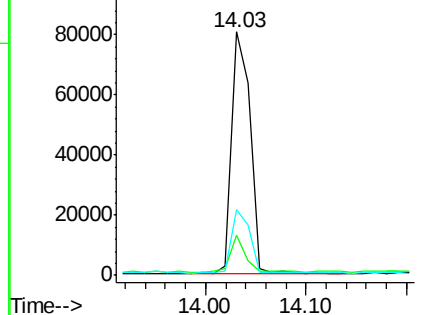
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 32.99 ng

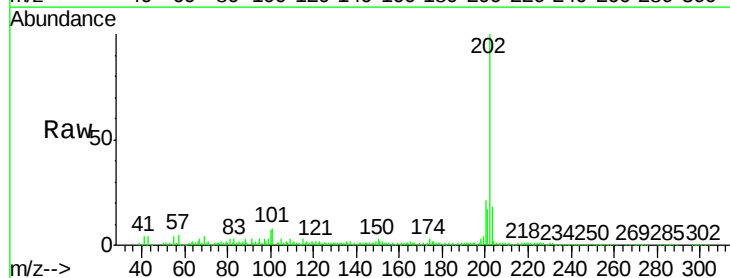
RT: 12.84 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

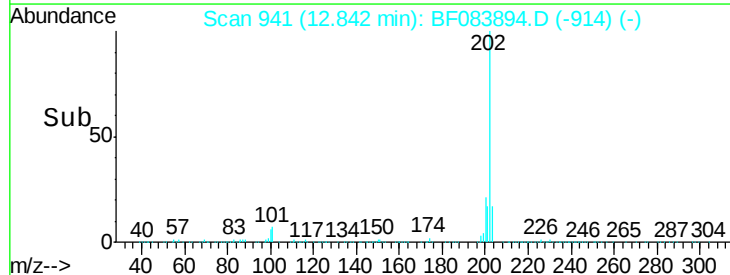
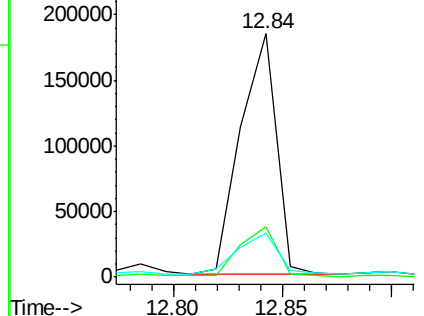
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	17.2	25.8	
203	18.0	14.3	21.5	

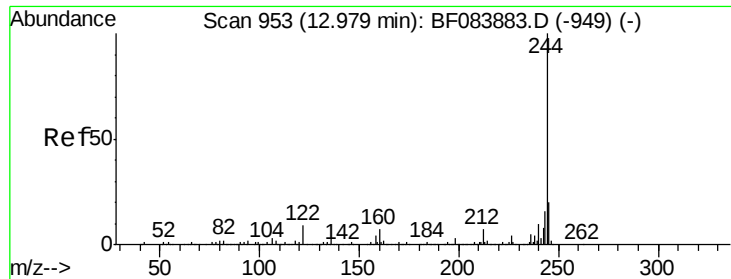


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





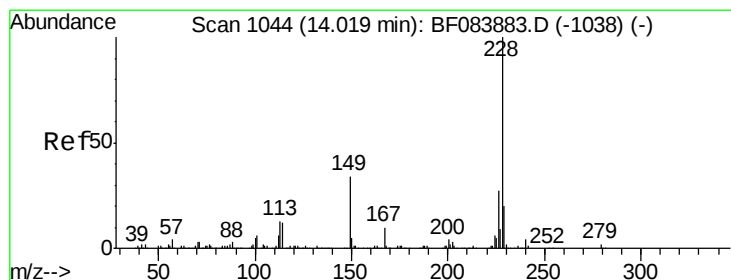
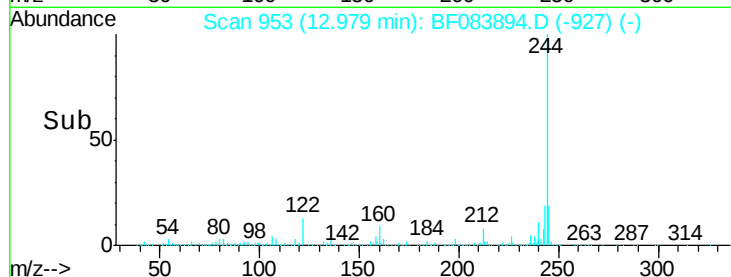
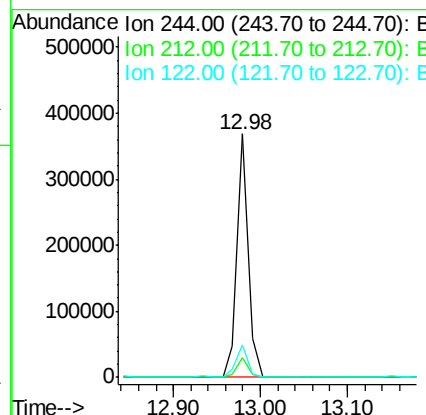
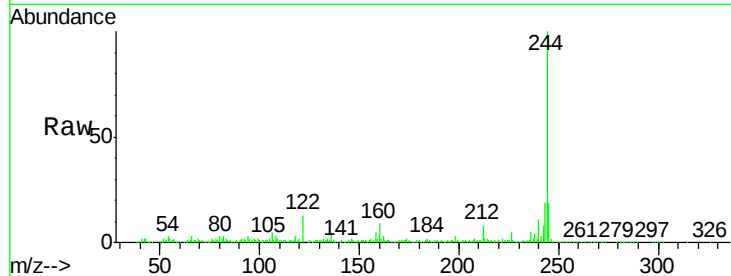
#78
 Terphenyl-d14
 Concen: 73.23 ng
 RT: 12.98 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Instrument :
 BNA_F
 ClientSampleId :
 K200-(0-2)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	13.1	7.4	11.0#

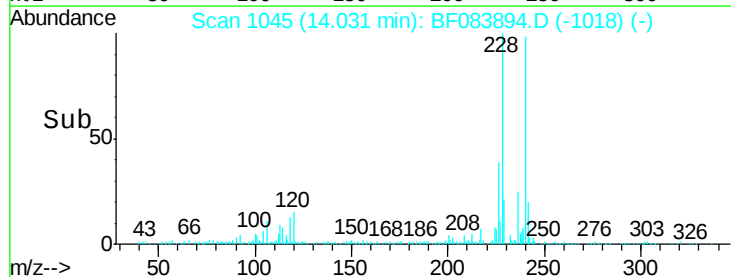
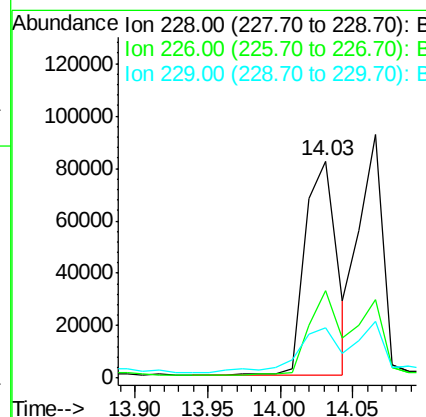
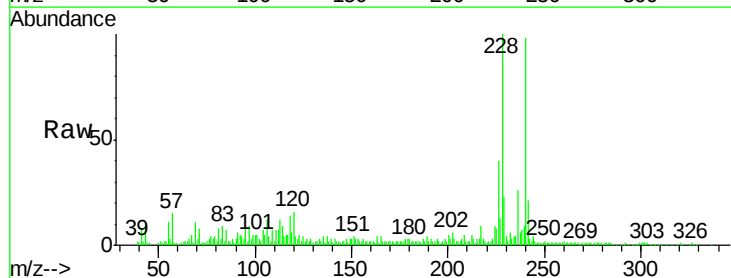
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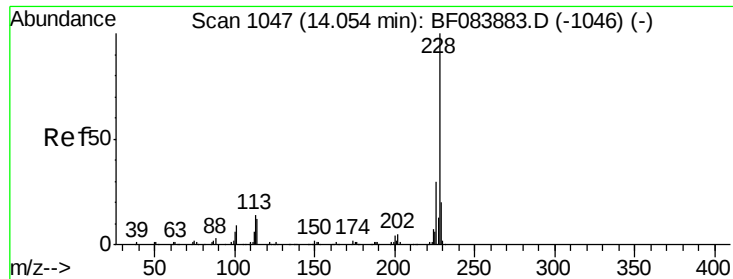
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#80
 Benzo(a)anthracene
 Concen: 19.79 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. 0.01 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.1	21.8	32.6#
229	23.1	15.8	23.8





#82

Chrysene

Concen: 17.40 ng m

RT: 14.07 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

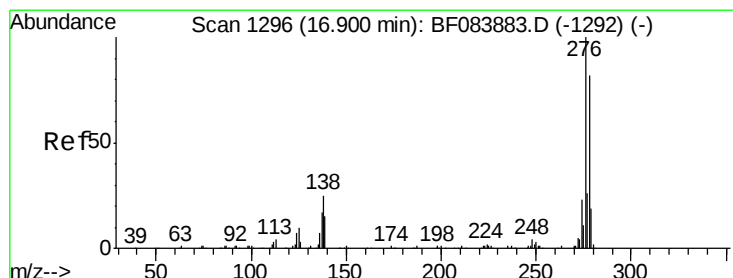
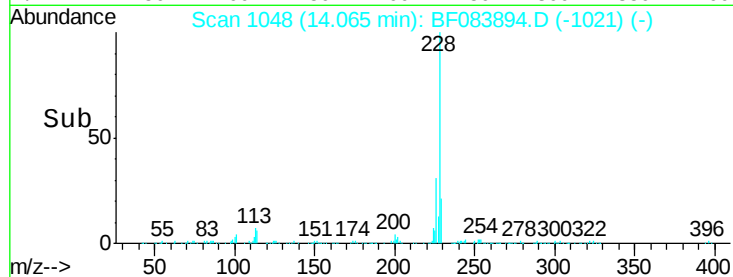
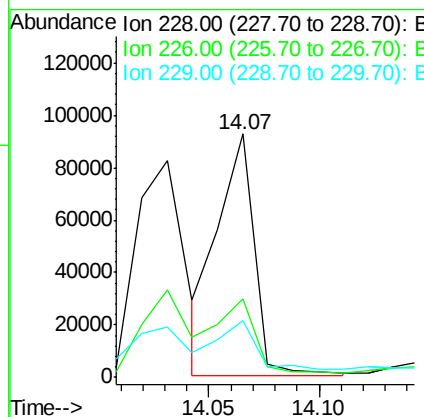
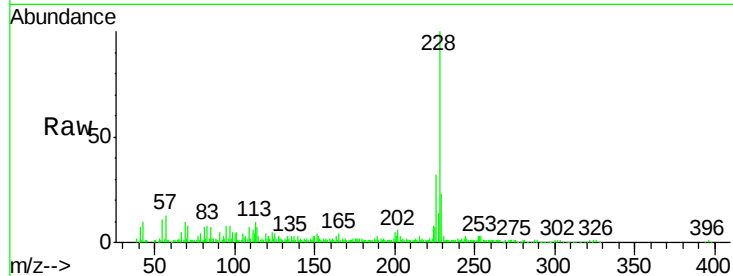
ClientSampleId :

K200-(0-2)

Tgt Ion:	228	Resp:	106719
Ion Ratio	Lower	Upper	
228	100		
226	32.4	24.3	36.5
229	23.1	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.46 ng m

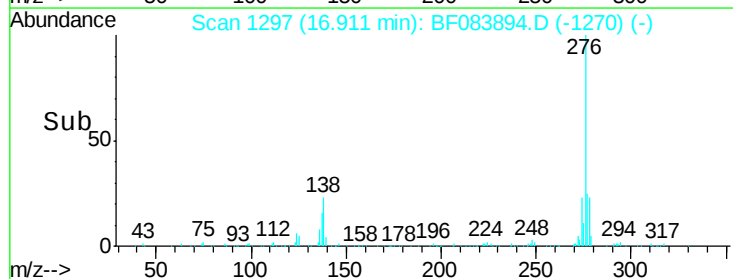
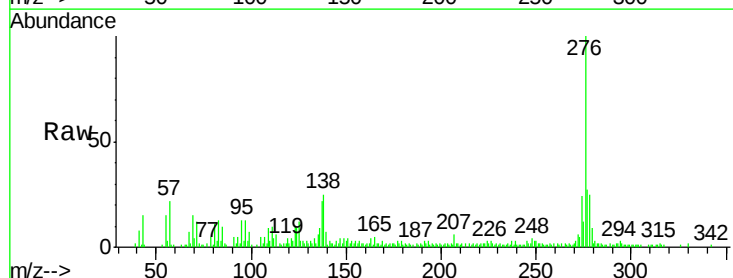
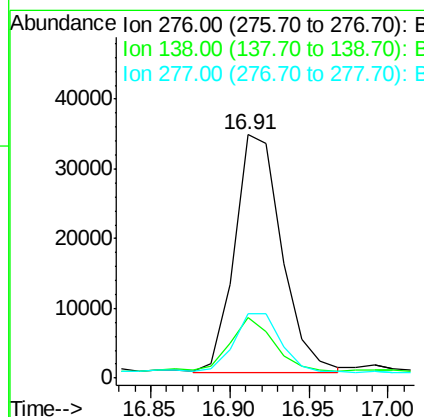
RT: 16.91 min Scan# 1297

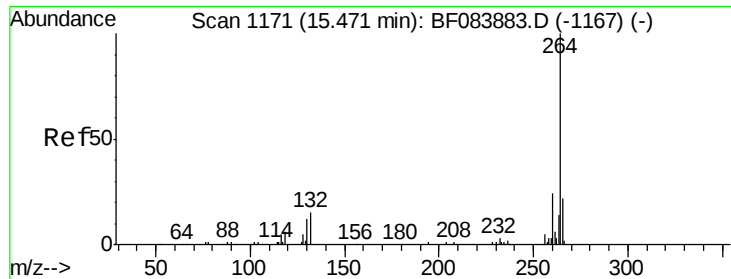
Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Tgt Ion:	276	Resp:	70877
Ion Ratio	Lower	Upper	
276	100		
138	4.9	20.6	30.8#
277	6.8	20.1	30.1#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

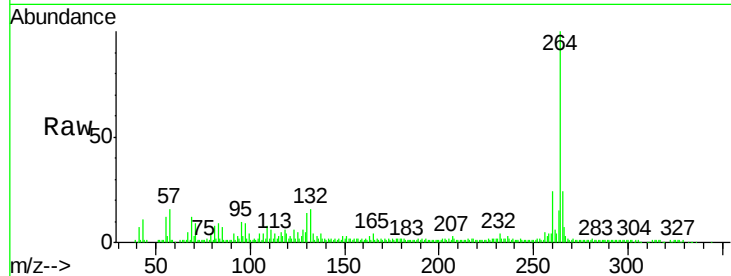
ClientSampleId :

K200-(0-2)

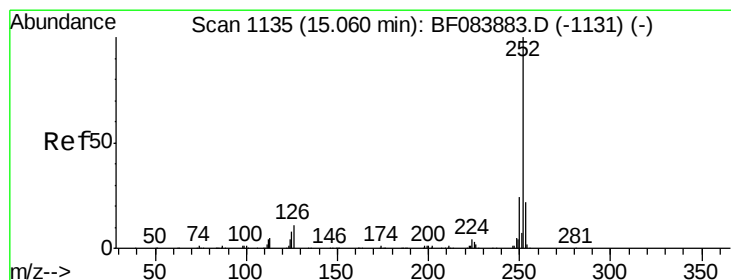
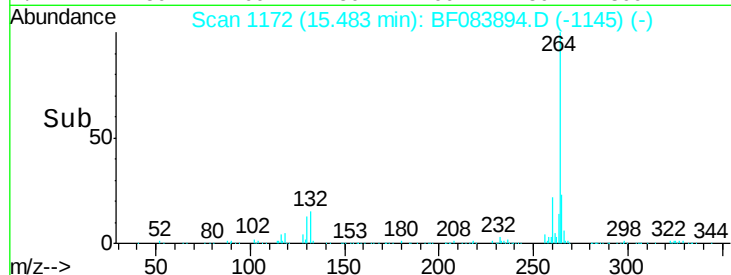
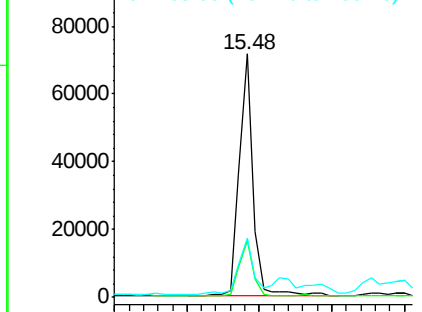
Tgt Ion:	264	Resp:	94895
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.4	29.2
265	24.2	17.8	26.6

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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: 22.58 ng m

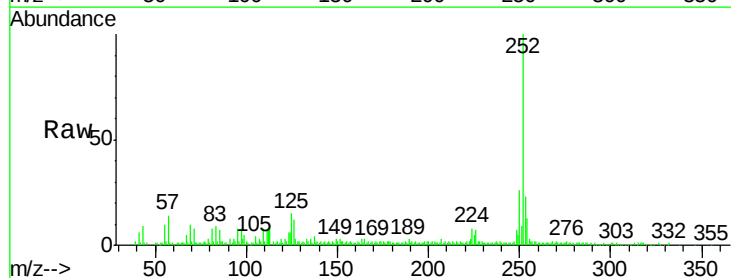
RT: 15.07 min Scan# 1136

Delta R.T. 0.01 min

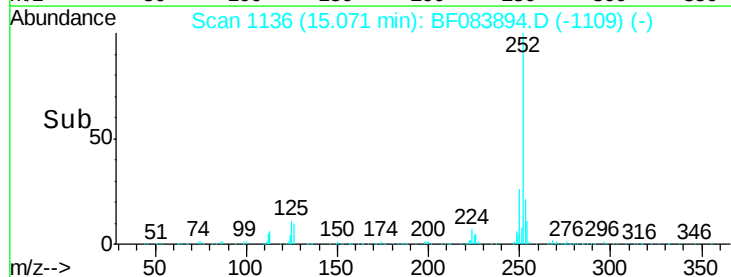
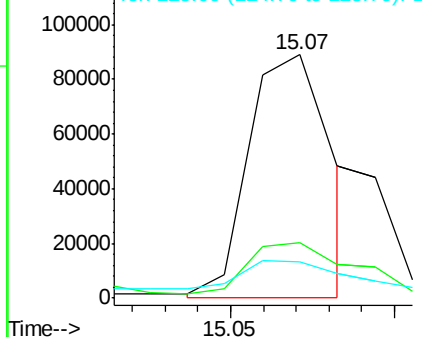
Lab File: BF083894.D

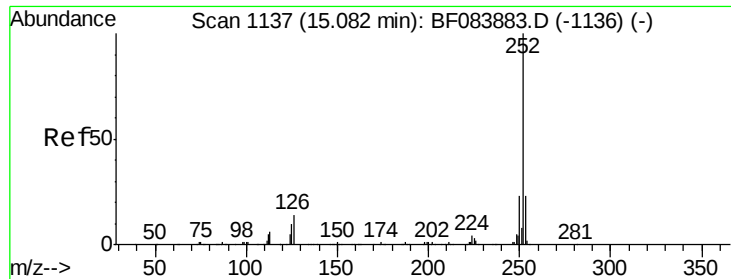
Acq: 18 Dec 2015 3:52

Tgt Ion:	252	Resp:	156193
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	14.8	6.5	9.7#



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





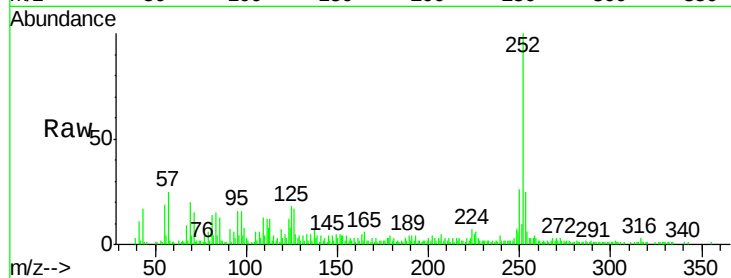
#88
Benzo(k)fluoranthene
Concen: 6.79 ng m
RT: 15.08 min Scan# 1137
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

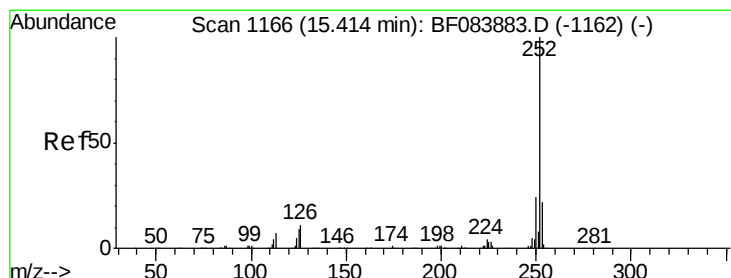
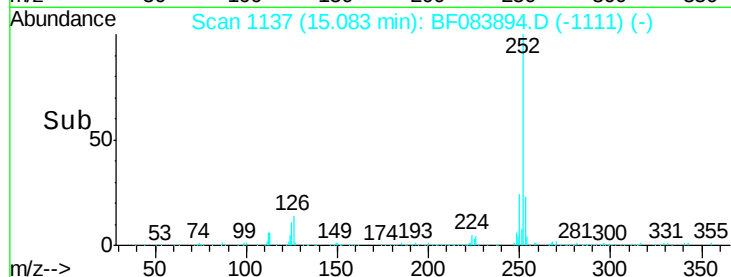
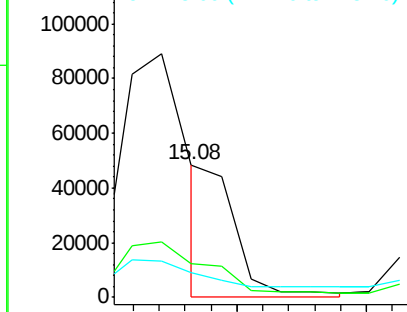
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.1	18.1	27.1
125	18.3	9.0	13.6

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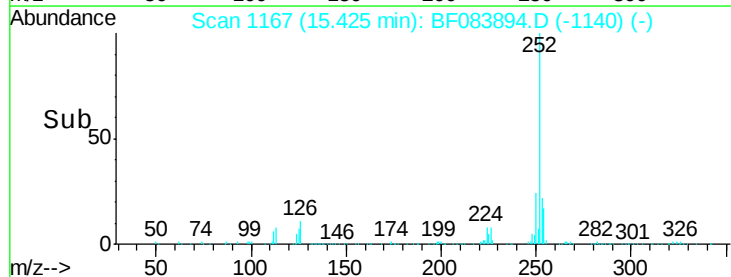
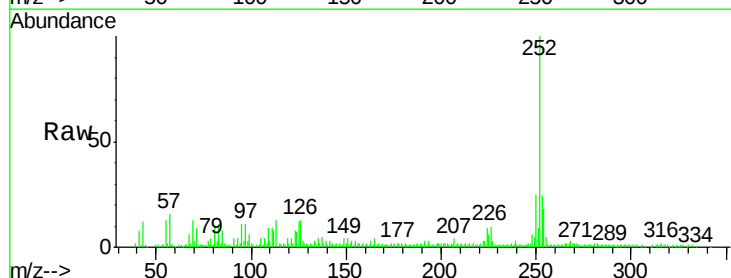
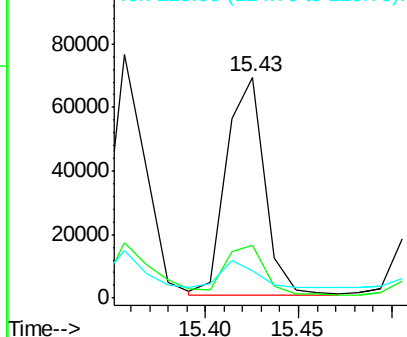
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

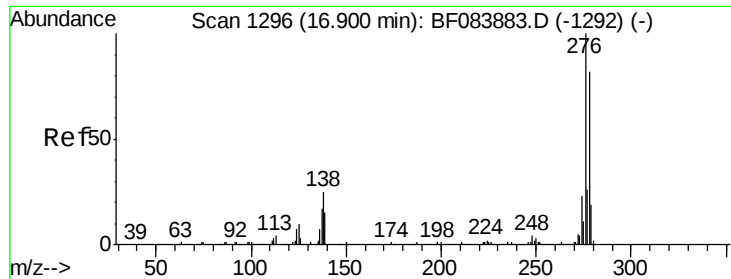


#89
Benzo(a)pyrene
Concen: 16.99 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	17.3	25.9
125	12.5	7.0	10.4

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





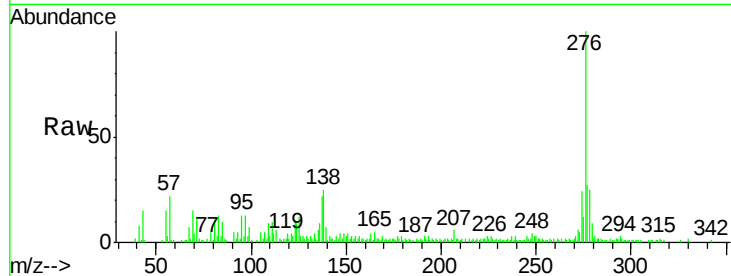
#90
Dibenzo(a,h)anthracene
Concen: 4.35 ng m
RT: 16.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

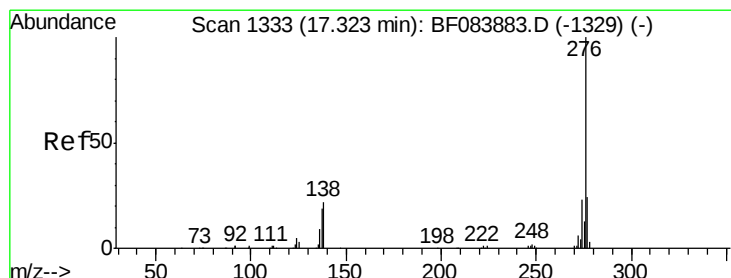
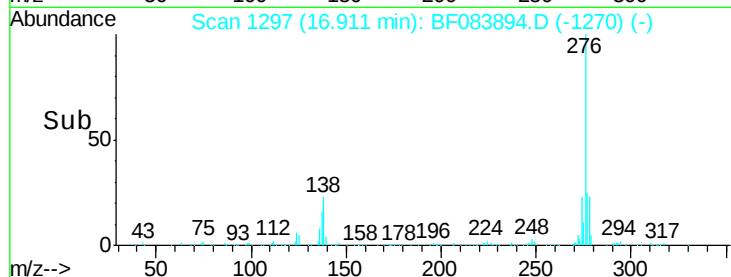
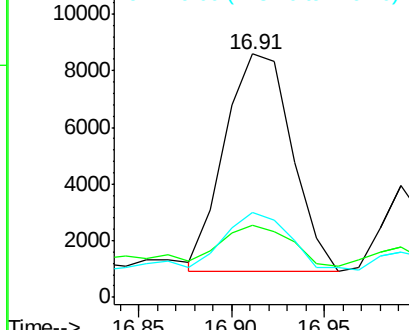
Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.9	15.0	22.4#
279	34.7	18.9	28.3#

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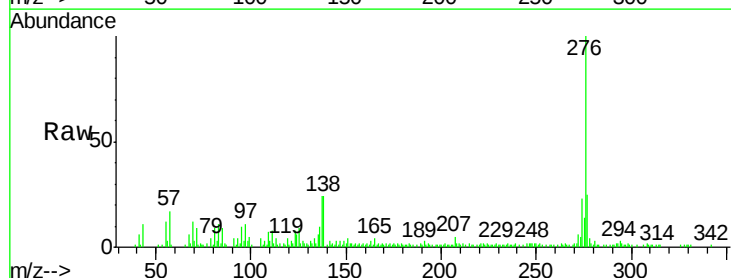


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 18.48 ng
RT: 17.35 min Scan# 1335
Delta R.T. 0.02 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	23.7	17.8	26.6



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

