

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032715\
 Data File : BF078075.D
 Acq On : 28 Mar 2015 11:43
 Operator : TP/IZ
 Sample : G1667-12
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-1(1.5-2.0)

Manual Integrations
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 3/30/2015 6:31:15 PM

Quant Time: Mar 30 02:18:15 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 30 00:50:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	39279	20.00	ng	0.00
21) Naphthalene-d8	8.65	136	158379	20.00	ng	0.00
38) Acenaphthene-d10	10.82	164	79173	20.00	ng	0.00
63) Phenanthrene-d10	12.65	188	156301	20.00	ng	0.00
75) Chrysene-d12	15.92	240	172782	20.00	ng	-0.01
86) Perylene-d12	17.61	264	170916	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	191039	84.90	ng	0.00
7) Phenol-d6	6.66	99	242473	87.21	ng	-0.01
23) Nitrobenzene-d5	7.77	82	141582	58.60	ng	-0.01
41) 2,4,6-Tribromophenol	11.79	330	57813	76.32	ng	-0.01
44) 2-Fluorobiphenyl	10.00	172	295099	54.78	ng	0.00
78) Terphenyl-d14	14.64	244	352416	49.82	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	12.68	178	37466	4.18	ng	99
74) Fluoranthene	14.15	202	86644	8.75	ng	94
77) Pyrene	14.43	202	81441	7.50	ng	98
80) Benzo(a)anthracene	15.91	228	62013	6.05	ng	100
82) Chrysene	15.95	228	59221	6.43	ng	97
85) Indeno(1,2,3-cd)pyrene	18.95	276	45721	3.98	ng	# 100
87) Benzo(b)fluoranthene	17.19	252	80768m	7.24	ng	
88) Benzo(k)fluoranthene	17.21	252	31294m	3.59	ng	
89) Benzo(a)pyrene	17.55	252	58235	6.26	ng	98
91) Benzo(g,h,i)perylene	19.33	276	42681	4.54	ng	99

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

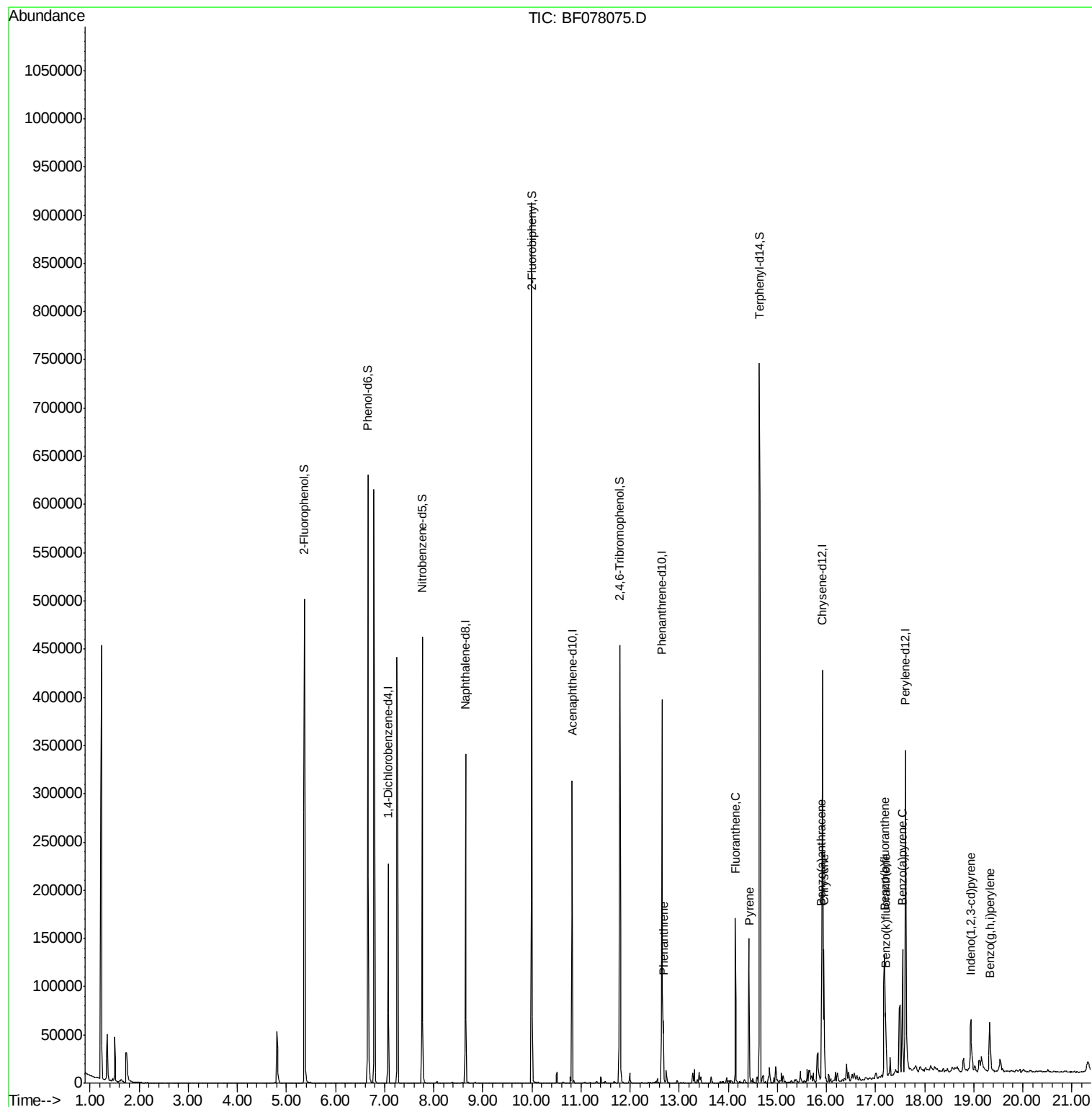
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032715\
Data File : BF078075.D
Acq On : 28 Mar 2015 11:43
Operator : TP/IZ
Sample : G1667-12
Misc :
ALS Vial : 38 Sample Multiplier: 1

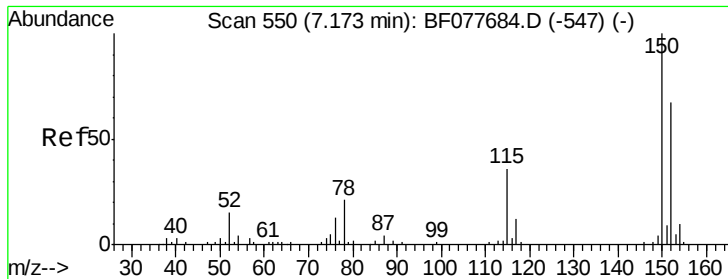
Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

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Quant Time: Mar 30 02:18:15 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 30 00:50:20 2015
Response via : Initial Calibration





#1

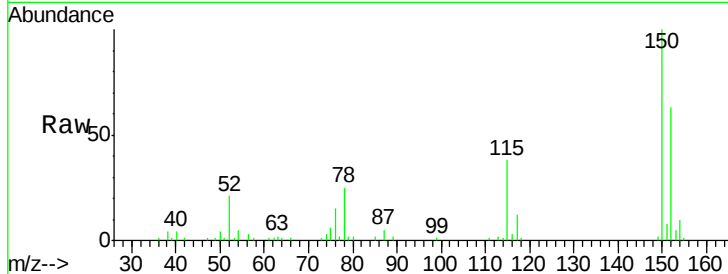
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	119.5	179.3
115	59.9	43.0	64.4

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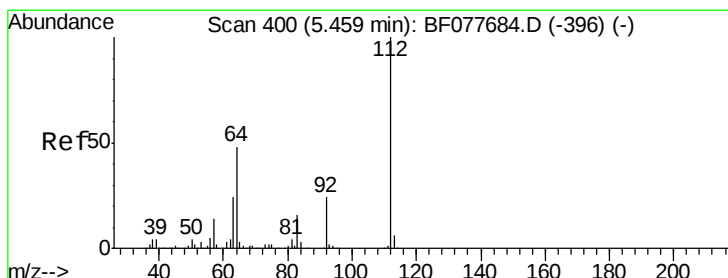
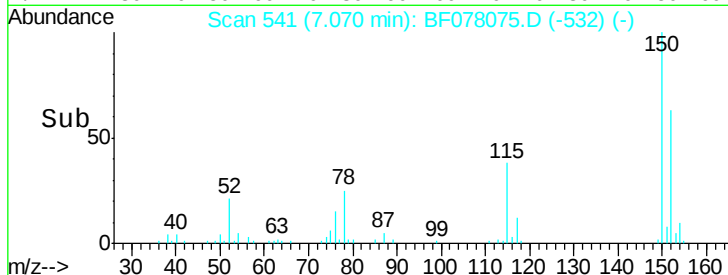
Abundance

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

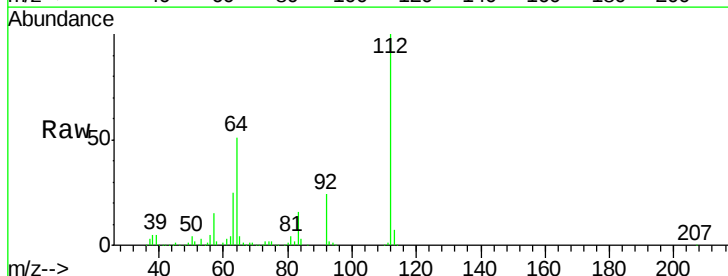
Time-->



#5

2-Fluorophenol
Concen: 84.90 ng
RT: 5.37 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	38.6	57.8
63	25.4	19.3	28.9



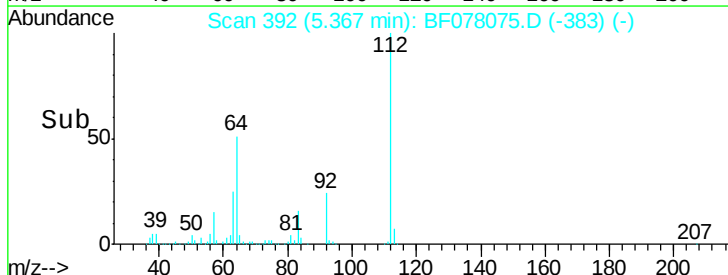
Abundance

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

Time-->





#7

Phenol-d6

Concen: 87.21 ng

RT: 6.66 min Scan# 505

Delta R.T. -0.01 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Instrument :

BNA_F

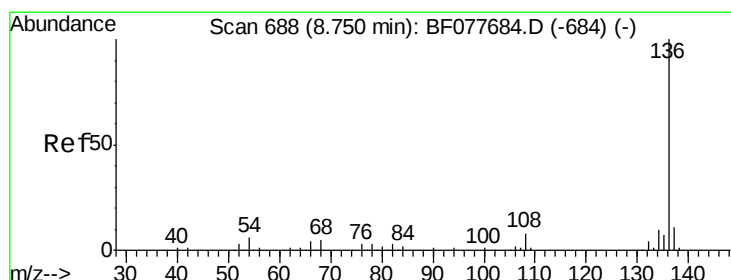
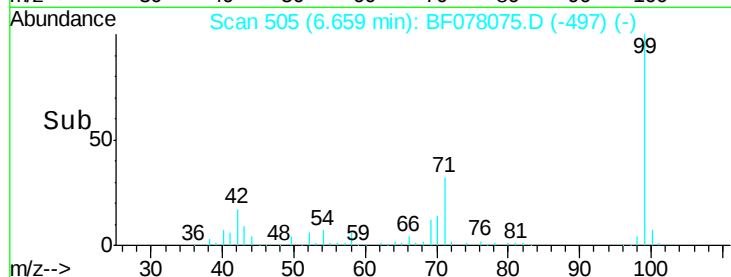
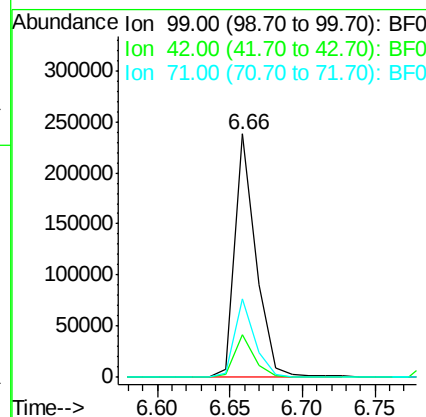
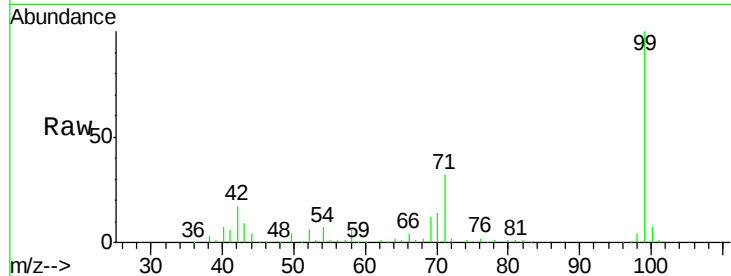
ClientSampleId :

REC-7-1-1(1.5-2.0)

Tot Ion:	99	Resp:	242473
Ion Ratio	Lower	Upper	
99	100		
42	17.3	11.0	16.4#
71	32.3	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

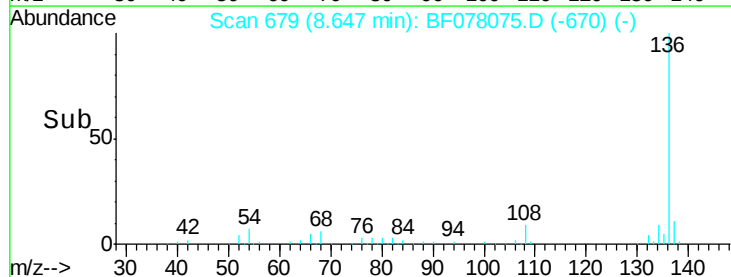
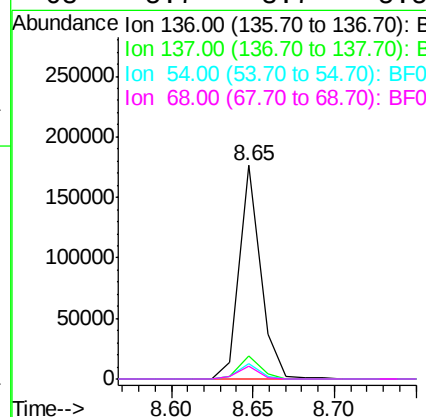
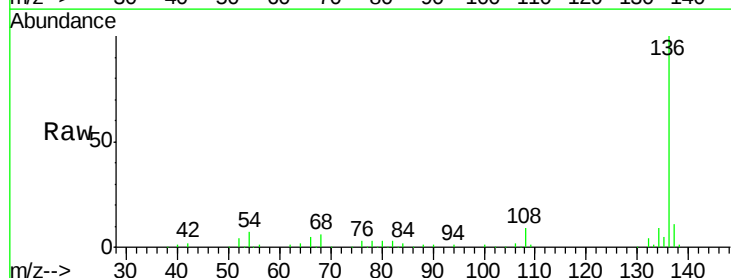
RT: 8.65 min Scan# 679

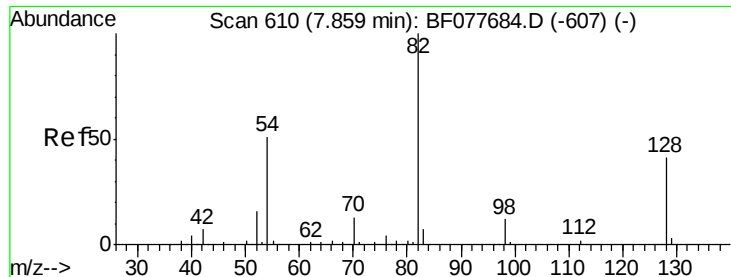
Delta R.T. -0.00 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Tgt Ion:	136	Resp:	158379
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	7.2	4.6	6.8#
68	5.7	3.7	5.5#





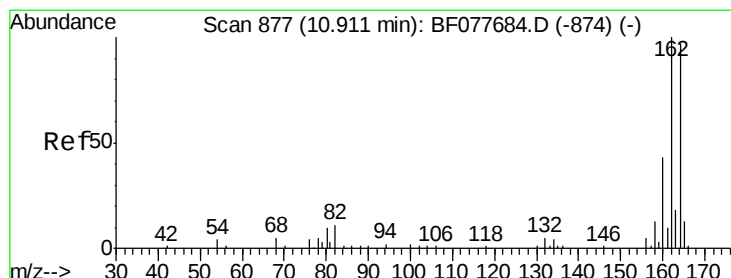
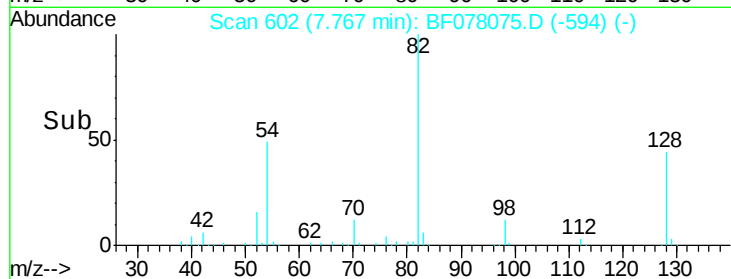
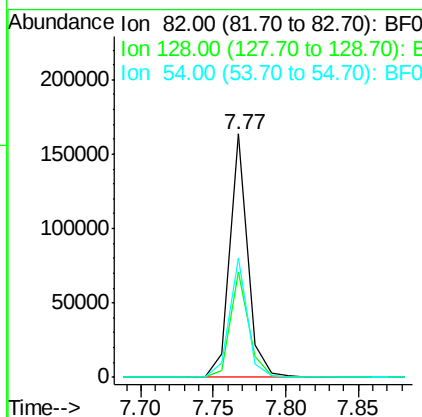
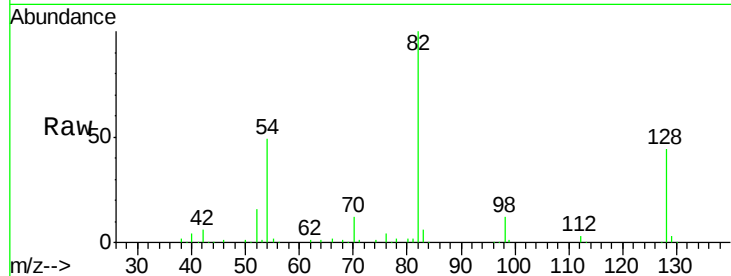
#23
 Nitrobenzene-d5
 Concen: 58.60 ng
 RT: 7.77 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-1(1.5-2.0)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.5	32.8	49.2	
54	49.0	40.6	60.8	

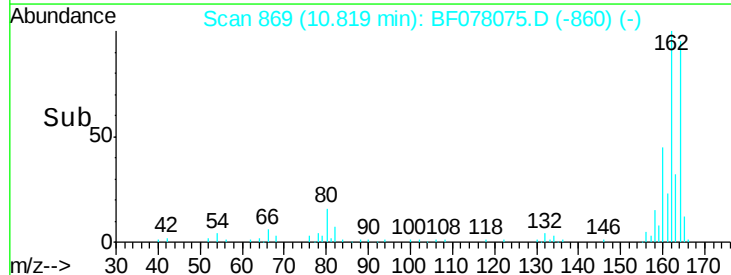
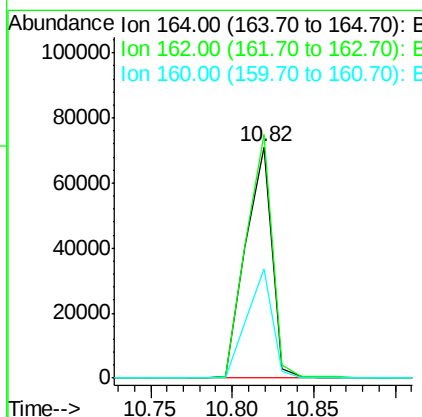
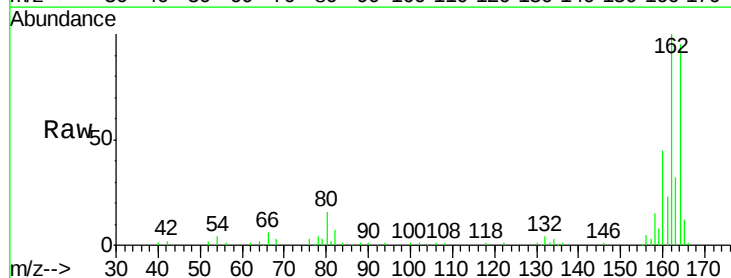
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.82 min Scan# 869
 Delta R.T. -0.00 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.2	82.4	123.6	
160	47.2	35.8	53.6	





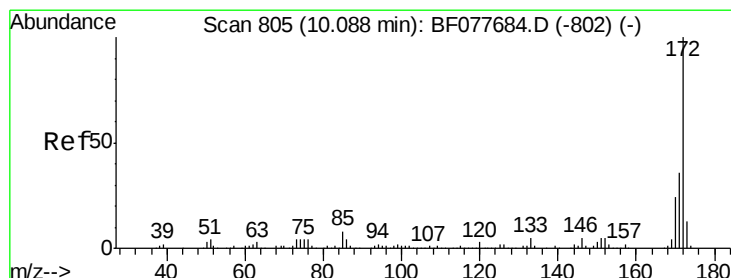
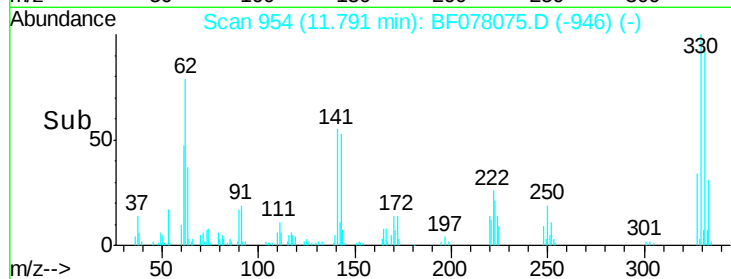
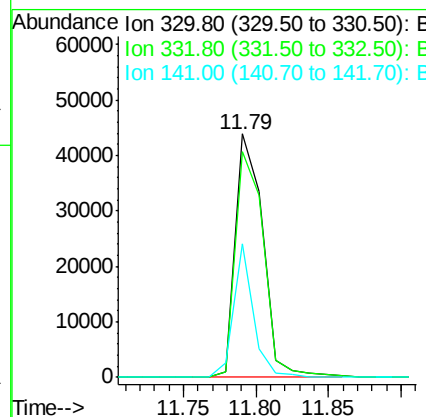
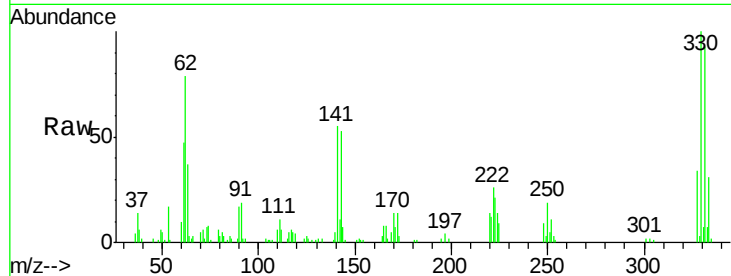
#41
 2,4,6-Tribromophenol
 Concen: 76.32 ng
 RT: 11.79 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-1(1.5-2.0)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.6	0.0	0.0#
141	38.8	0.0	0.0#

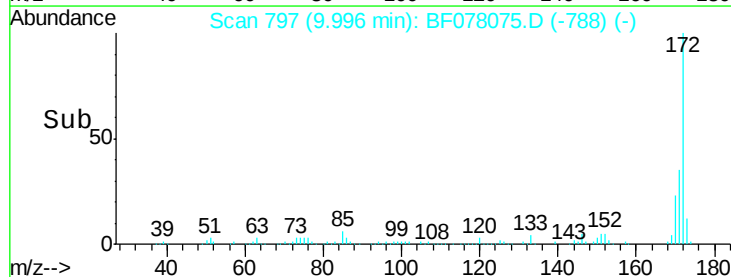
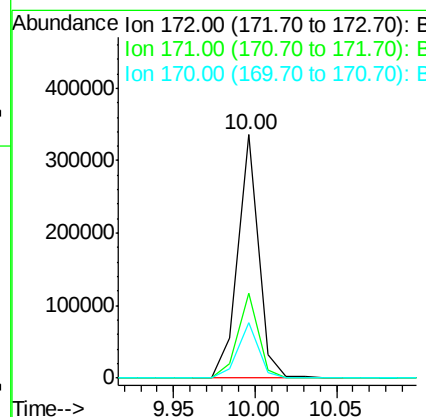
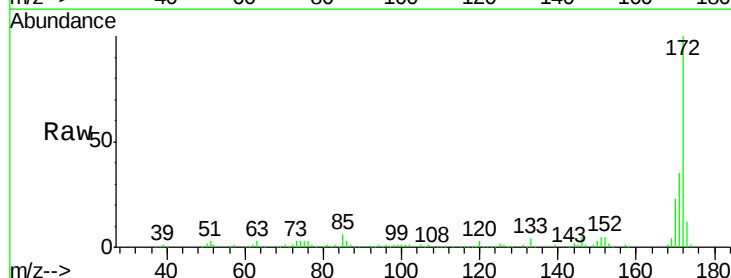
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#44
 2-Fluorobiphenyl
 Concen: 54.78 ng
 RT: 10.00 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.0	28.5	42.7
170	22.9	18.8	28.2





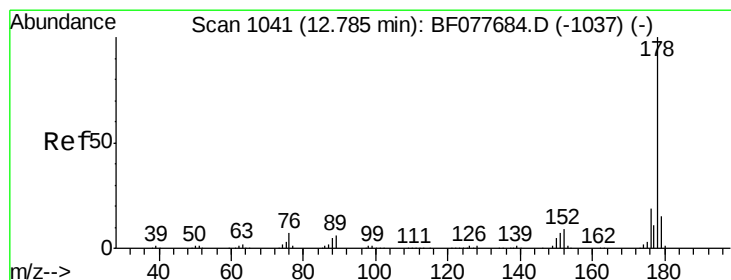
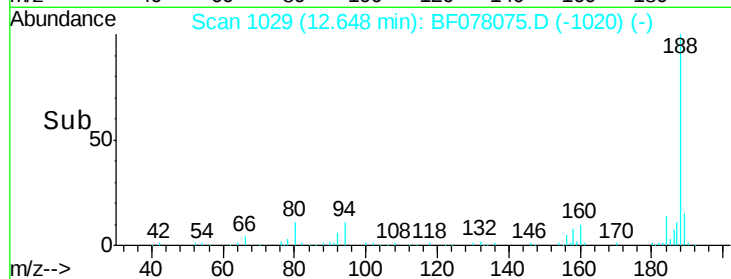
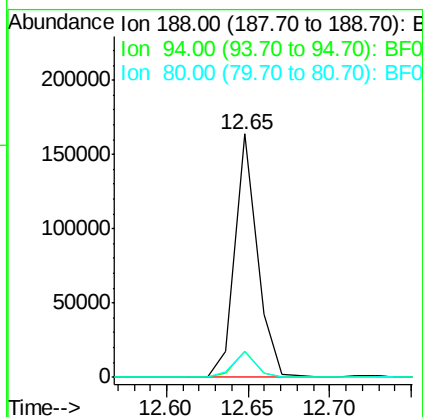
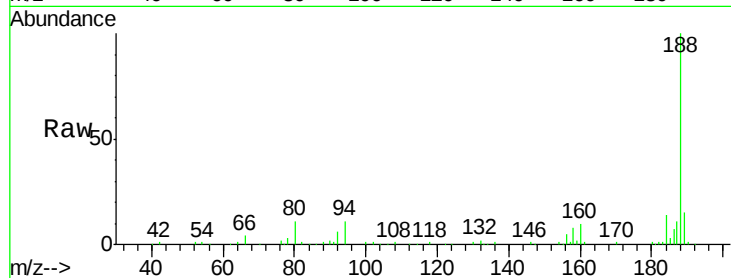
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.65 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	8.7	13.1
80	10.9	9.3	13.9

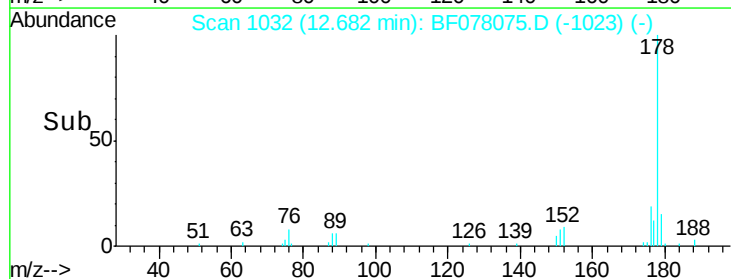
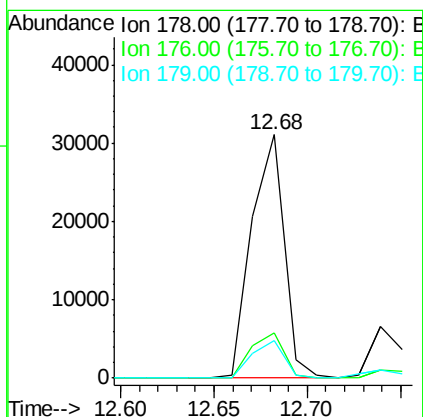
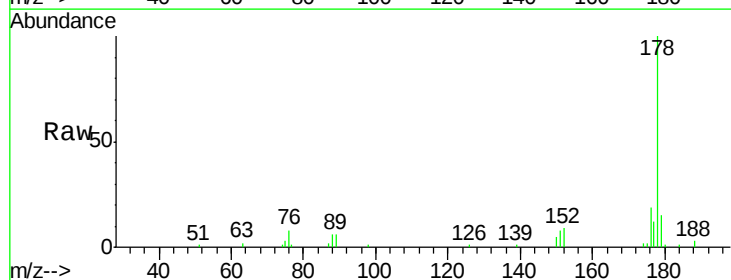
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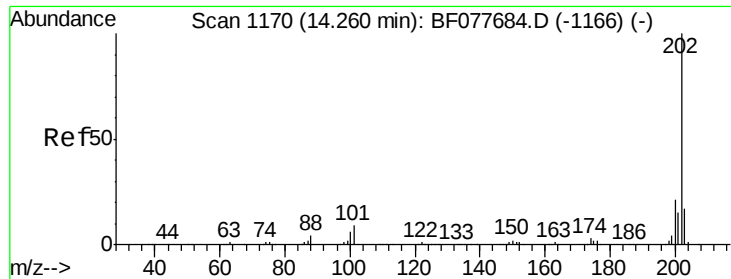
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#70
Phenanthrene
Concen: 4.18 ng
RT: 12.68 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.2	22.8
179	15.2	12.1	18.1





#74

Fluoranthene

Concen: 8.75 ng

RT: 14.15 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Instrument :

BNA_F

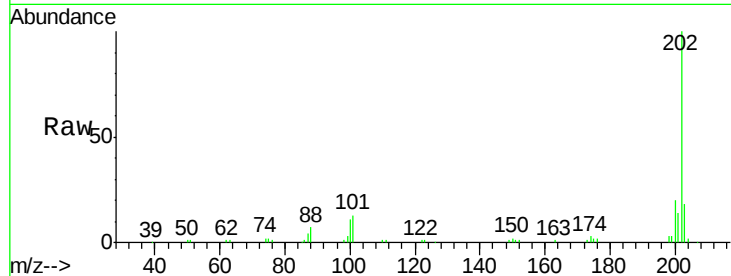
ClientSampleId :

REC-7-1-1(1.5-2.0)

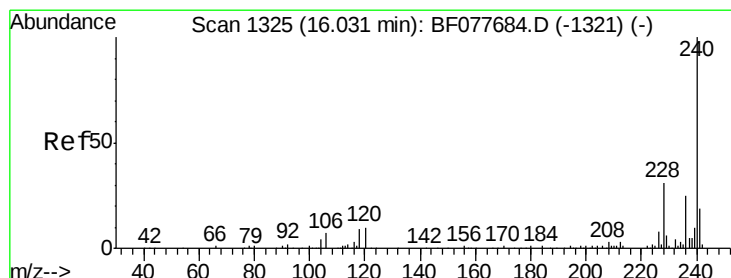
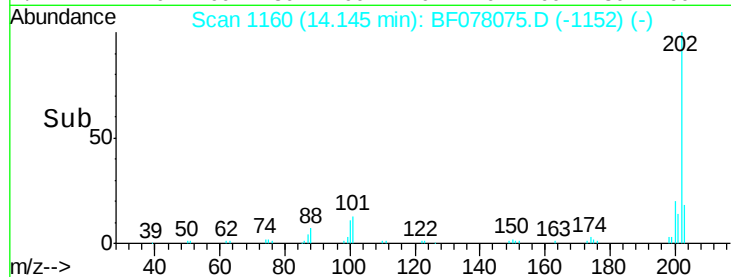
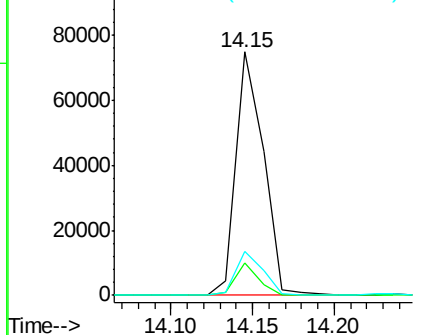
Tot Ion:	202	Resp:	86644
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	28.7
203	18.0	0.0	37.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

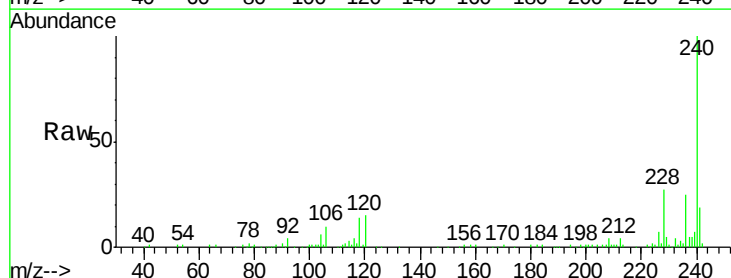
RT: 15.92 min Scan# 1315

Delta R.T. -0.01 min

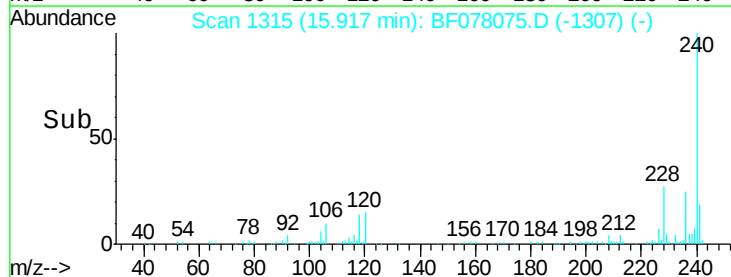
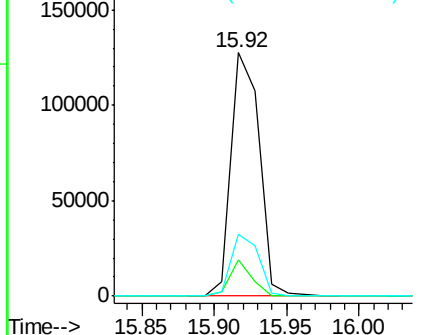
Lab File: BF078075.D

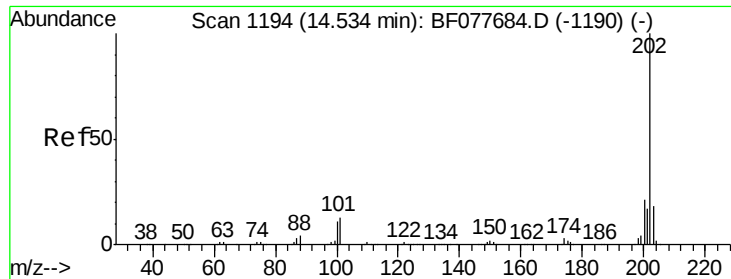
Acq: 28 Mar 2015 11:43

Tgt Ion:	240	Resp:	172782
Ion Ratio	Lower	Upper	
240	100		
120	15.0	8.2	12.2#
236	25.4	20.0	30.0



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





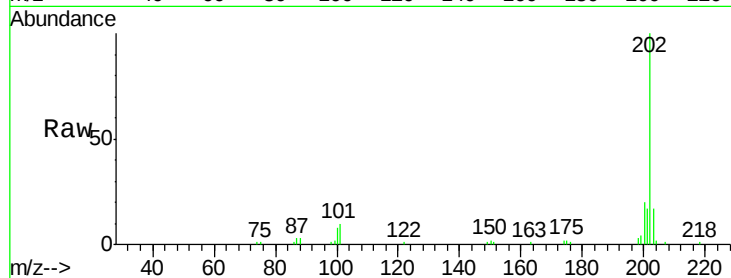
#77
Pvrene
Concen: 7.50 ng
RT: 14.43 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

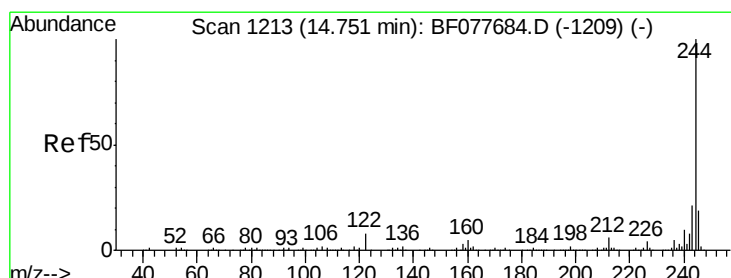
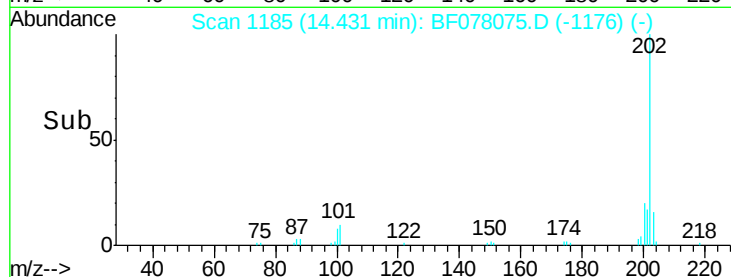
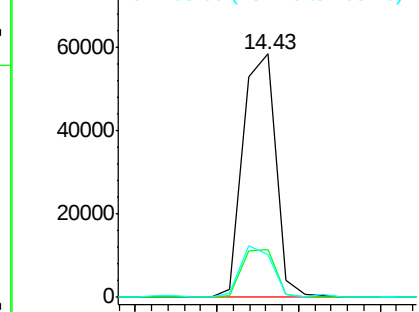
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		81441		
200	19.5	16.9	25.3		
203	17.4	14.1	21.1		

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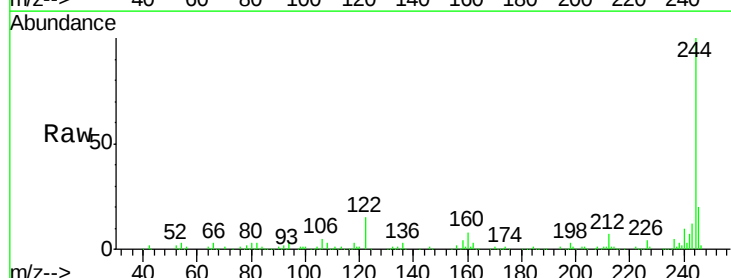


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

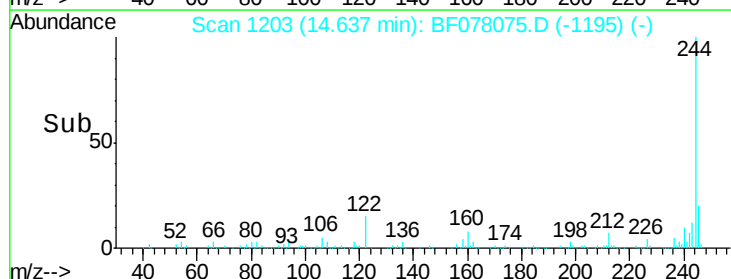
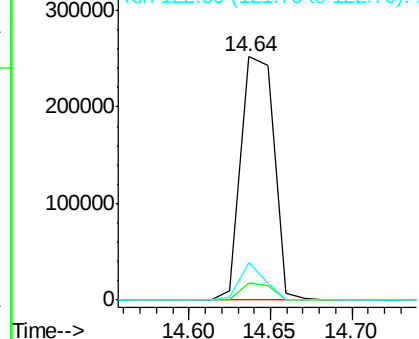


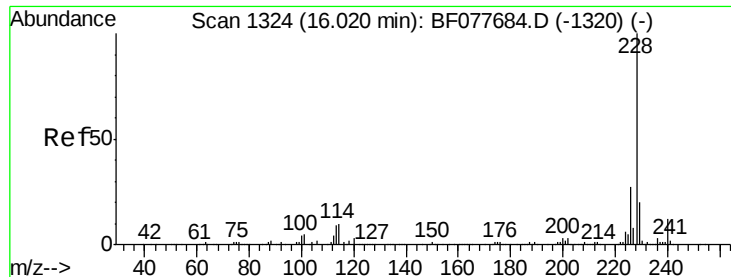
#78
Terphenyl-d14
Concen: 49.82 ng
RT: 14.64 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		352416		
212	7.0	4.9	7.3		
122	15.2	6.2	9.4#		



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





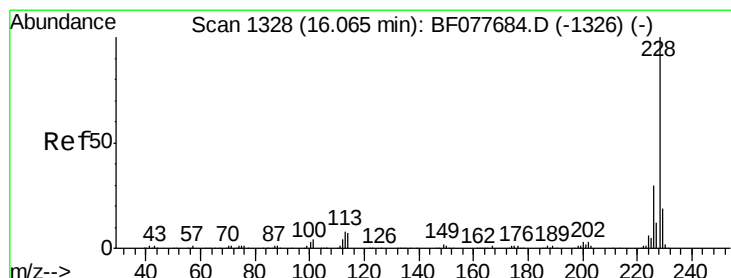
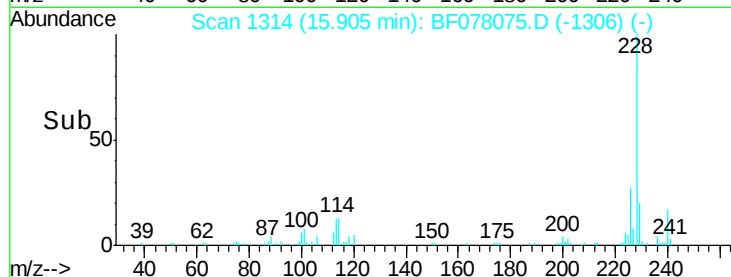
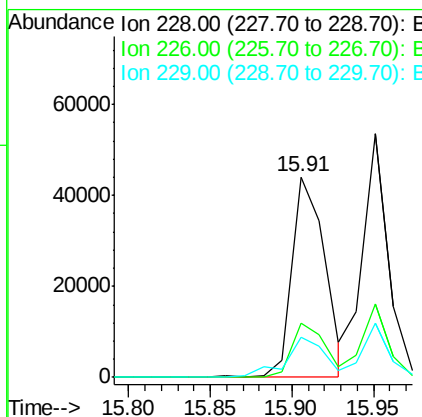
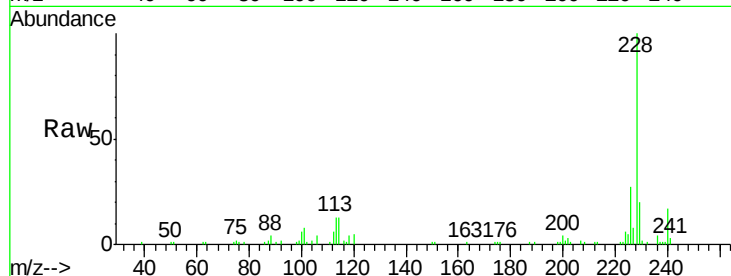
#80
Benzo(a)anthracene
Concen: 6.05 ng
RT: 15.91 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	19.9	16.0	24.0

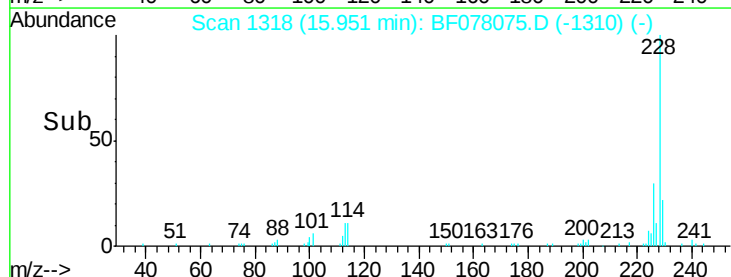
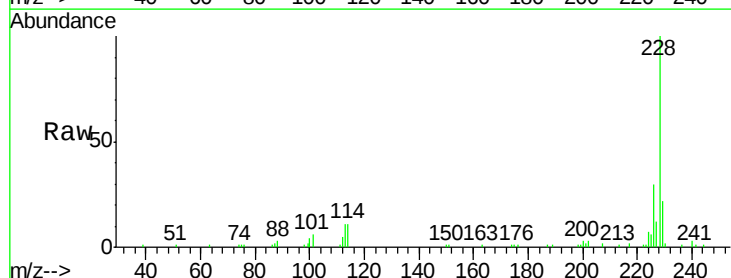
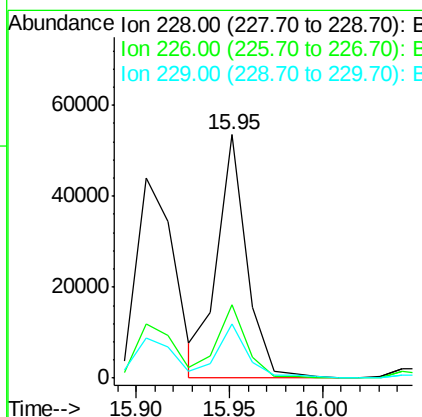
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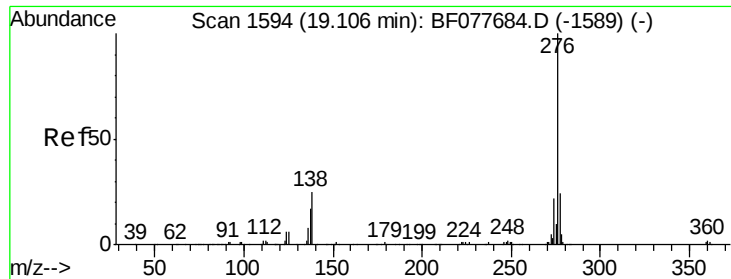
apatel
3/30/2015 6:31:15 PM



#82
Chrysene
Concen: 6.43 ng
RT: 15.95 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	22.1	15.5	23.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.98 ng

RT: 18.95 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Instrument :

BNA_F

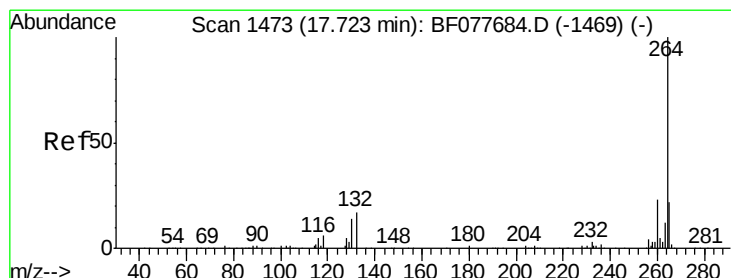
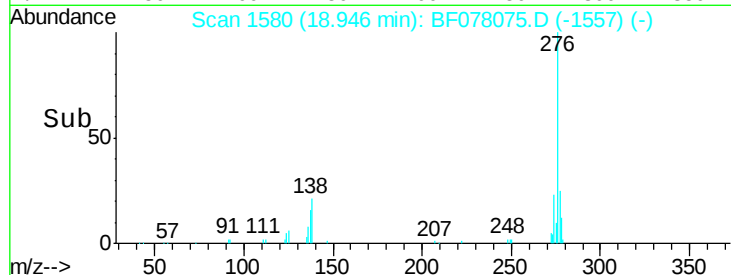
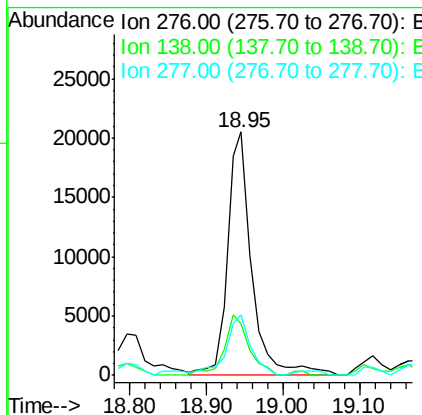
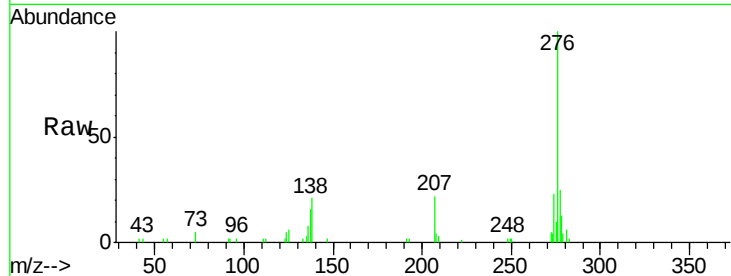
ClientSampleId :

REC-7-1-1(1.5-2.0)

Tot Ion:	276	Resp:	45721
Ion Ratio	Lower	Upper	
276	100		
138	25.3	0.0	0.0#
277	25.6	0.0	0.0#

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#86

Perylene-d12

Concen: 20.00 ng

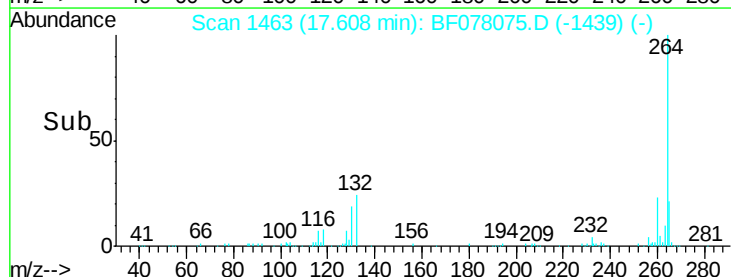
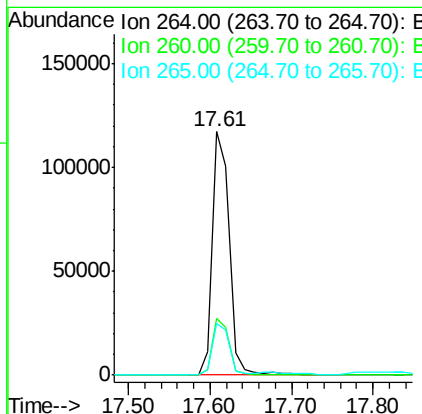
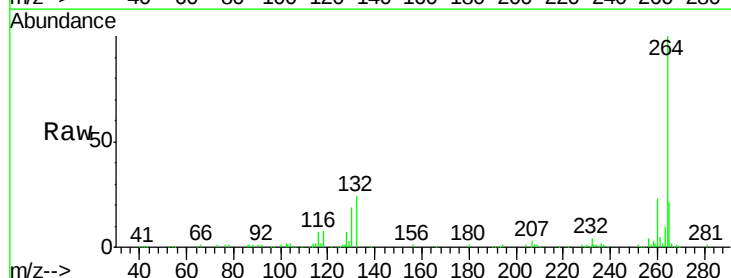
RT: 17.61 min Scan# 1463

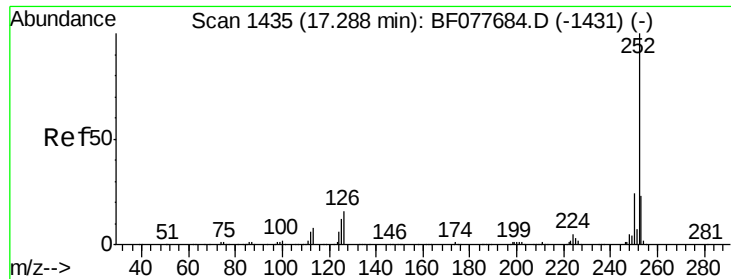
Delta R.T. -0.02 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Tgt Ion:	264	Resp:	170916
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	27.8
265	21.1	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 7.24 ng m

RT: 17.19 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Instrument :

BNA_F

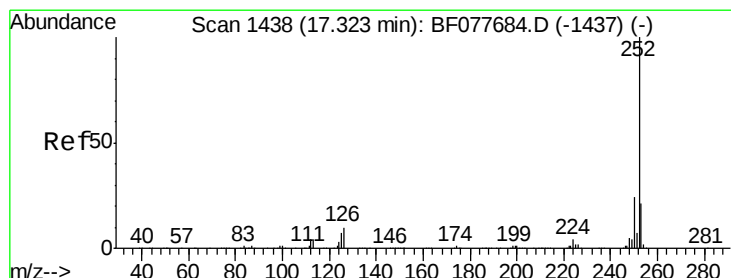
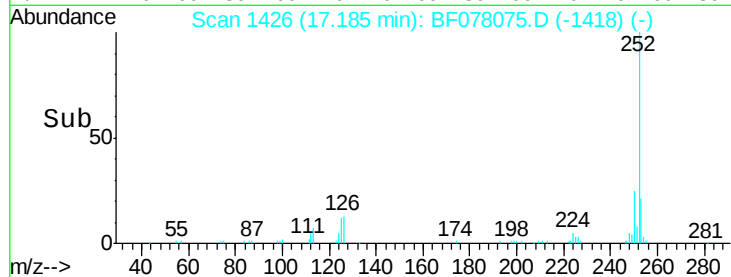
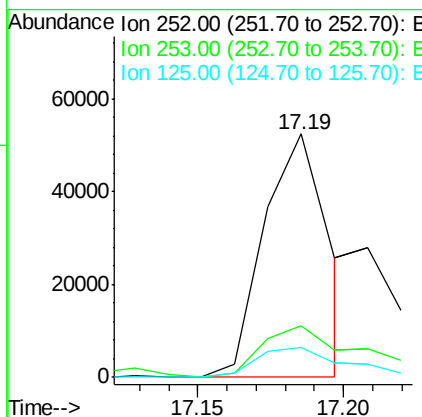
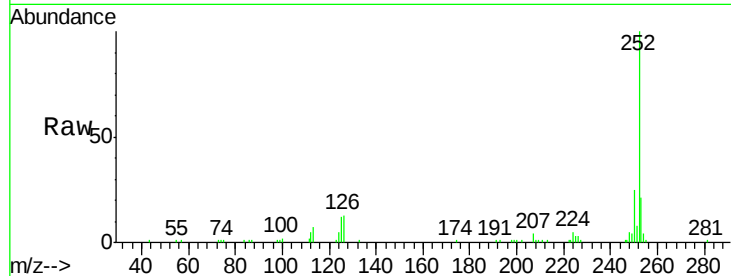
ClientSampleId :

REC-7-1-1(1.5-2.0)

Tot Ion:	252	Resp:	80768
Ion Ratio	Lower	Upper	
252	100		
253	21.0	18.0	27.0
125	12.1	9.9	14.9

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#88

Benzo(k)fluoranthene

Concen: 3.59 ng m

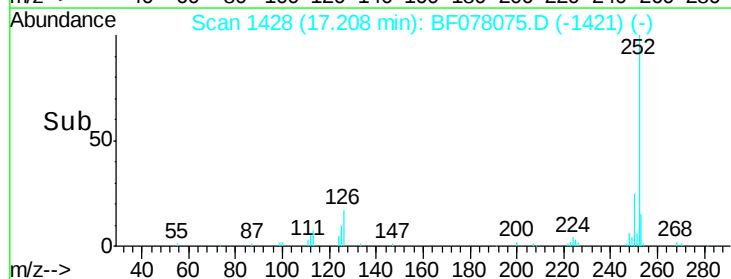
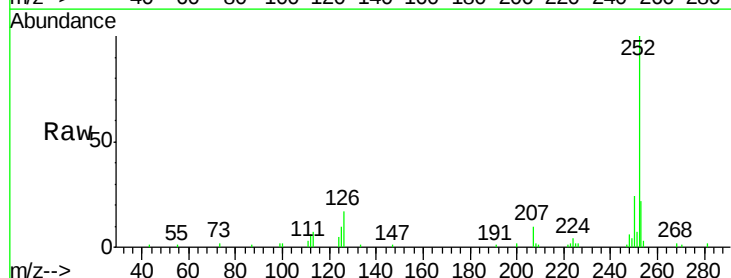
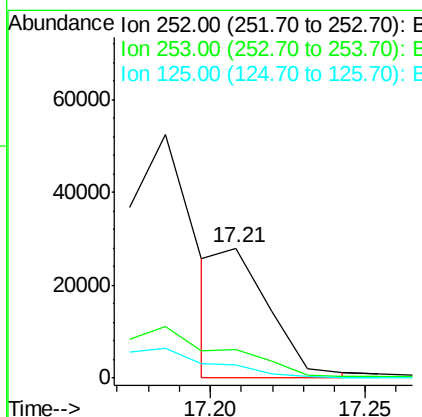
RT: 17.21 min Scan# 1428

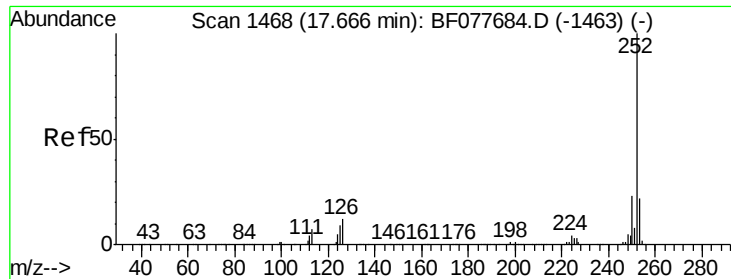
Delta R.T. -0.02 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Tgt Ion:	252	Resp:	31294
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	10.2	8.1	12.1





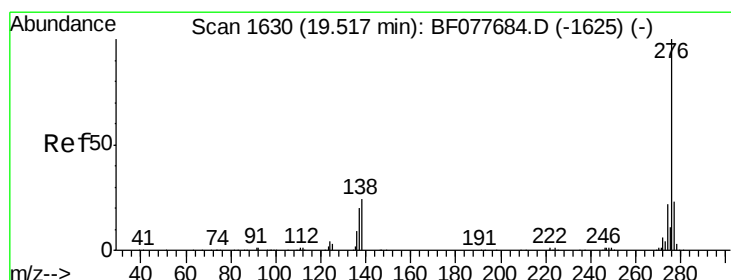
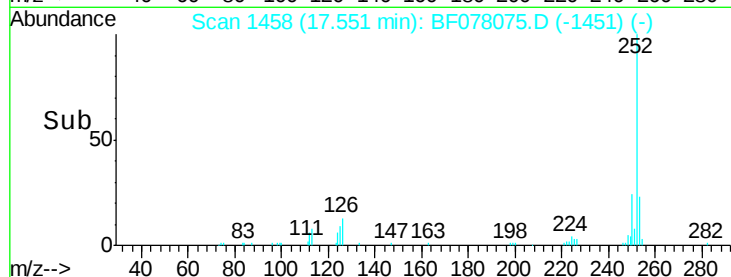
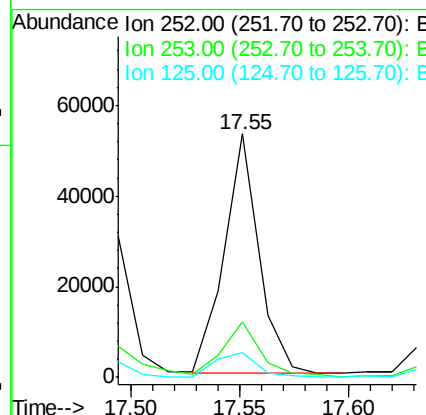
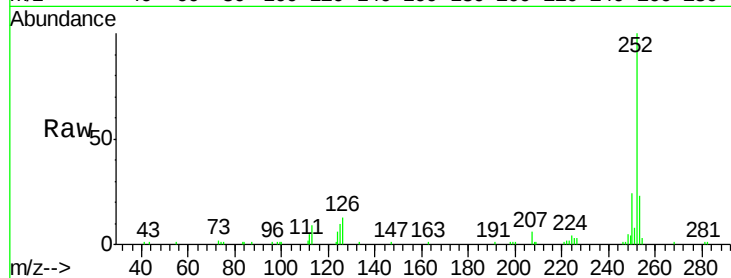
#89
Benzo(a)pyrene
Concen: 6.26 ng
RT: 17.55 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	10.3	7.4	11.2

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#91
Benzo(g,h,i)perylene
Concen: 4.54 ng
RT: 19.33 min Scan# 1614
Delta R.T. -0.05 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	23.9	19.0	28.6

