

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079614.D
 Acq On : 30 May 2015 20:39
 Operator : TP/IZ
 Sample : G2420-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.2(4)

Manual Integrations
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Quant Time: May 31 08:26:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	69262	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	278434	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	133345	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	243115	20.00	ng	-0.03
75) Chrysene-d12	15.78	240	261533	20.00	ng	-0.06
86) Perylene-d12	17.45	264	255488	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	507919	127.19	ng	-0.02
7) Phenol-d6	6.54	99	661370	129.94	ng	-0.02
23) Nitrobenzene-d5	7.63	82	355514	73.81	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	187608	128.09	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	730546	78.16	ng	-0.02
78) Terphenyl-d14	14.50	244	773437	69.40	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	10.38	163	58583	5.96	ng	99
70) Phenanthrene	12.54	178	117301	8.79	ng	99
71) Anthracene	12.61	178	31286	2.31	ng	99
74) Fluoranthene	14.01	202	227131	15.88	ng	100
77) Pyrene	14.29	202	203888	12.58	ng	98
80) Benzo(a)anthracene	15.77	228	119097	7.92	ng	97
82) Chrysene	15.82	228	84071	5.88	ng	96
83) Bis(2-ethylhexyl)phthalate	15.85	149	31205	2.99	ng	# 98
85) Indeno(1,2,3-cd)pyrene	18.73	276	62935m	3.42	ng	
87) Benzo(b)fluoranthene	17.03	252	134680m	9.24	ng	
88) Benzo(k)fluoranthene	17.06	252	41770m	3.21	ng	
89) Benzo(a)pyrene	17.39	252	94596	5.72	ng	# 97

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

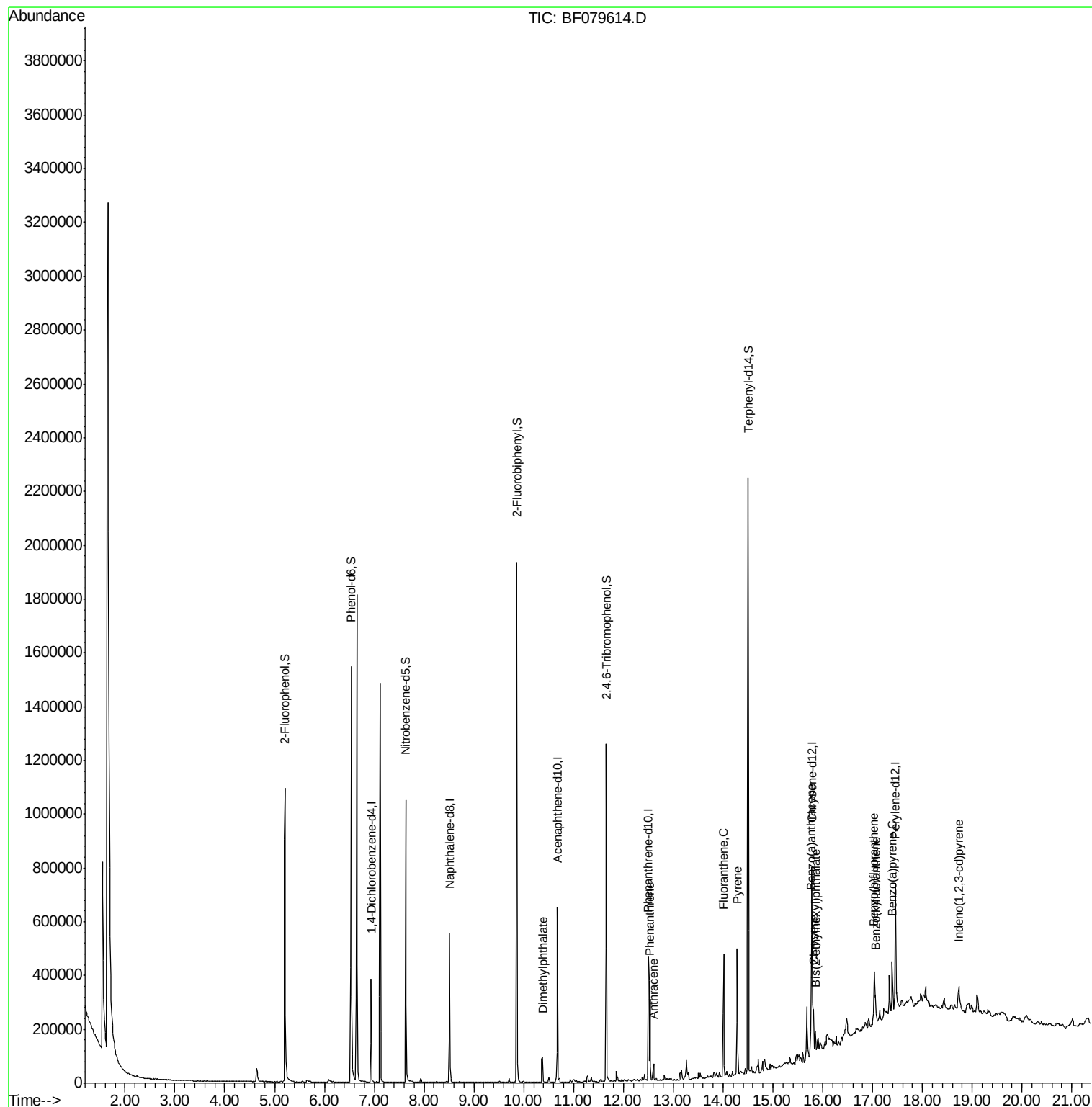
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079614.D
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Operator : TP/IZ
Sample : G2420-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

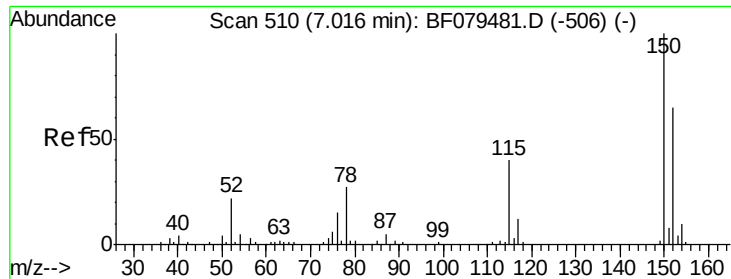
Instrument :
BNA_F
ClientSampleId :
PENRD8.2(4)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
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#1

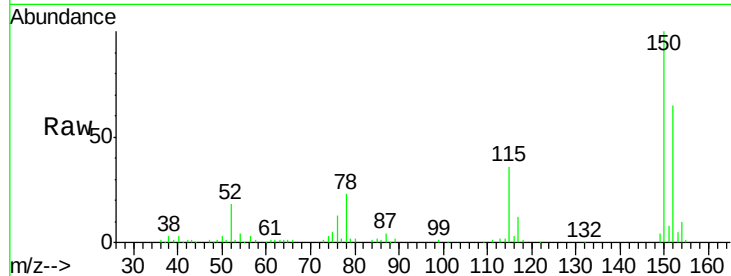
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Instrument :
BNA_F
ClientSampleId :
PENRD8.2(4)

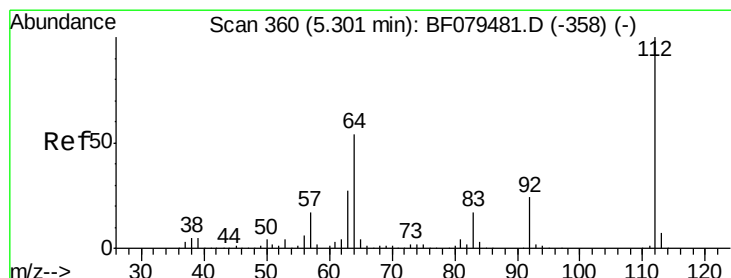
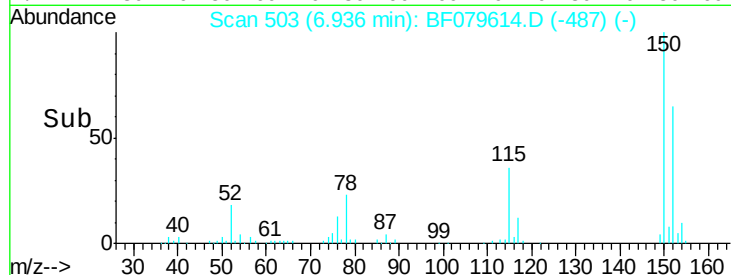
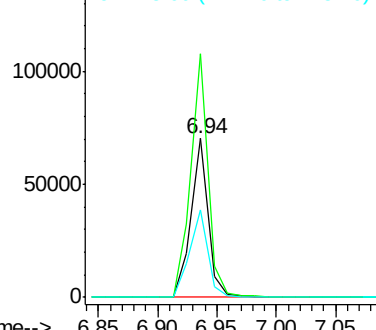
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.0	186.0
115	55.3	49.6	74.4

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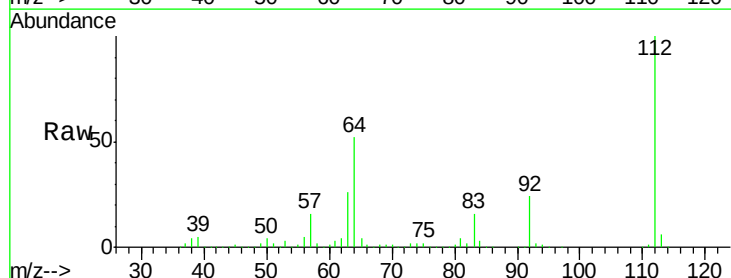
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



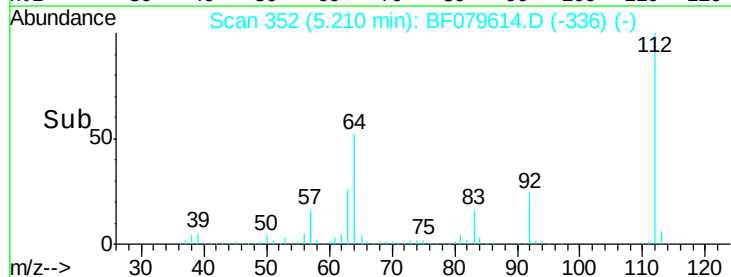
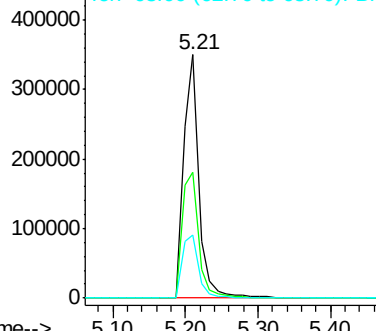
#5

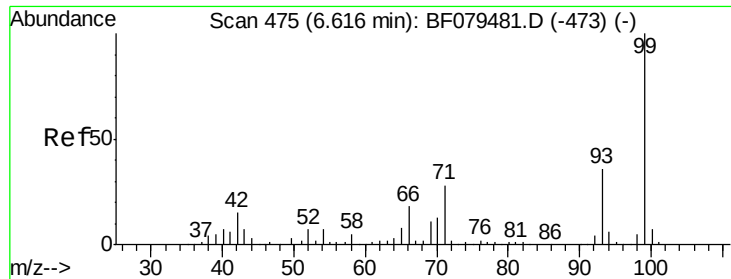
2-Fluorophenol
Concen: 127.19 ng
RT: 5.21 min Scan# 352
Delta R.T. -0.02 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	43.5	65.3
63	25.9	21.8	32.8



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: 129.94 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF079614.D

Acq: 30 May 2015 20:39

Instrument :

BNA_F

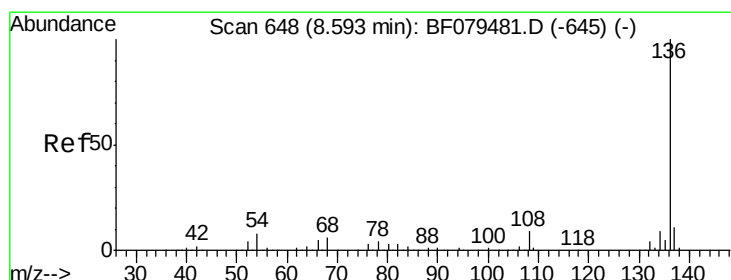
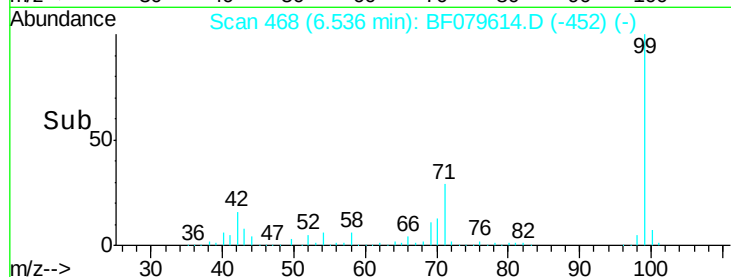
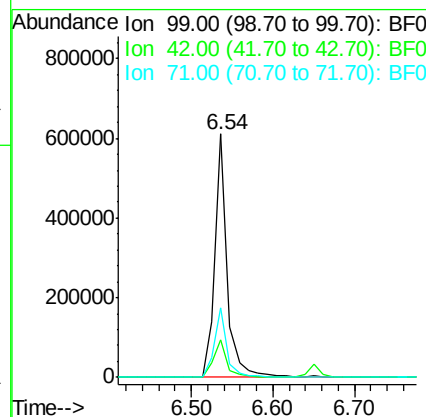
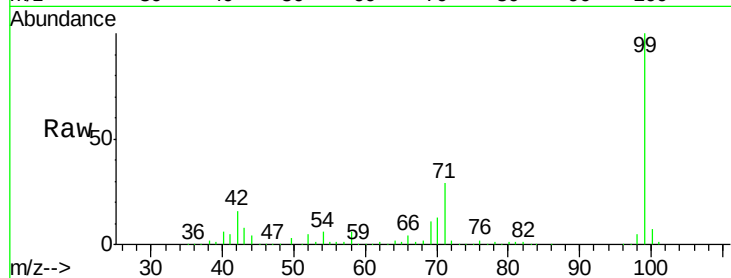
ClientSampleId :

PENRD8.2(4)

Tgt Ion:	99	Resp:	661370
Ion Ratio	Lower	Upper	
99	100		
42	15.6	11.9	17.9
71	28.7	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

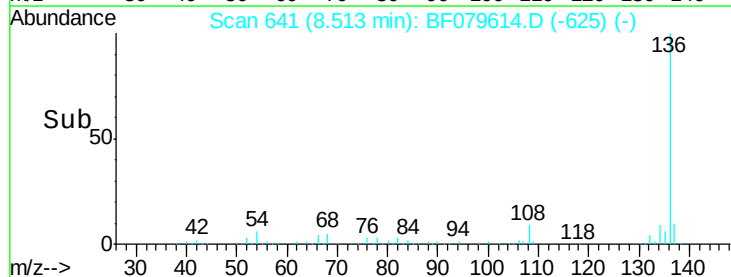
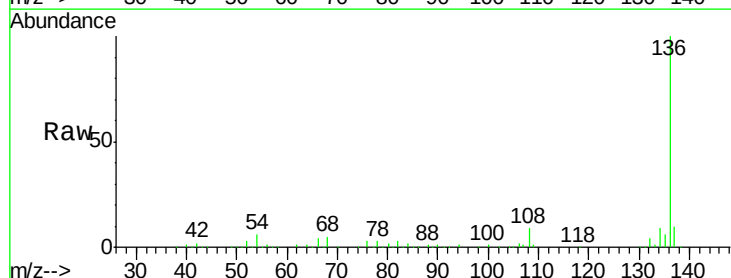
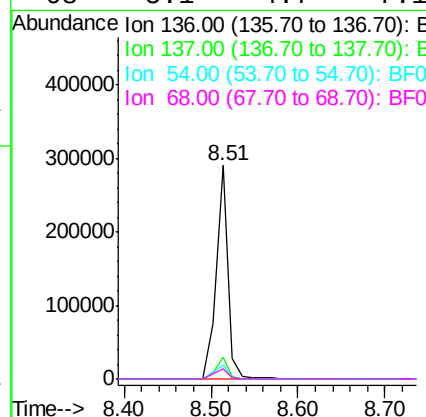
RT: 8.51 min Scan# 641

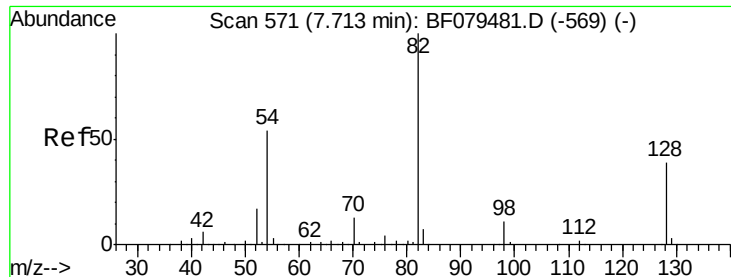
Delta R.T. -0.02 min

Lab File: BF079614.D

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Tgt Ion:	136	Resp:	278434
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	6.4	6.6	9.8
68	5.1	4.7	7.1





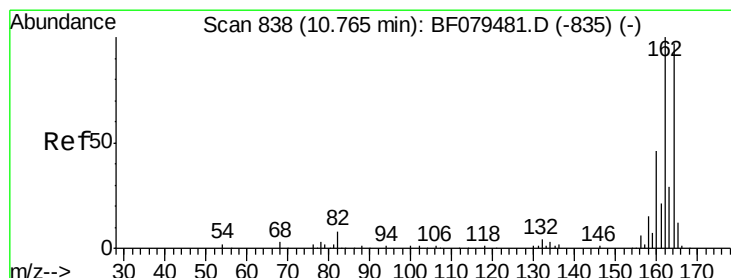
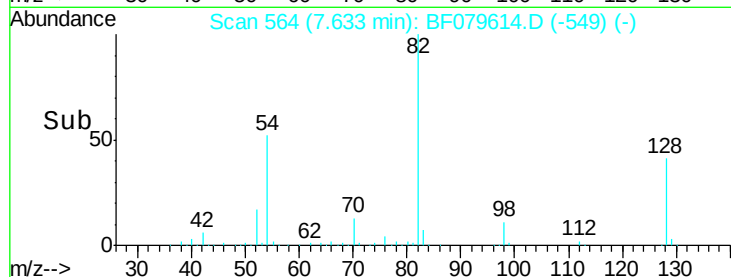
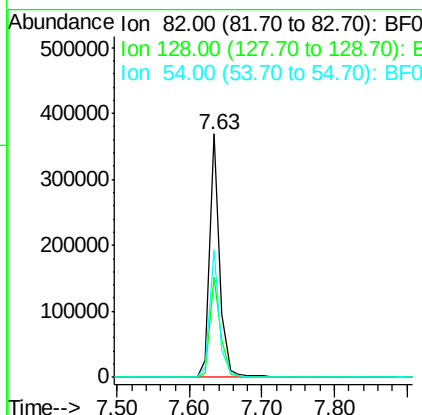
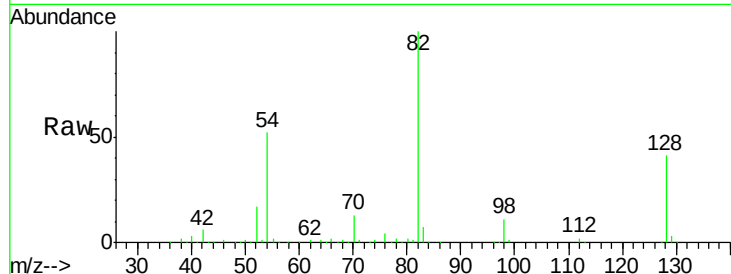
#23
 Nitrobenzene-d5
 Concen: 73.81 ng
 RT: 7.63 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF079614.D
 Acq: 30 May 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.2(4)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	355514		
128	41.4	30.8	46.2	
54	52.0	42.8	64.2	

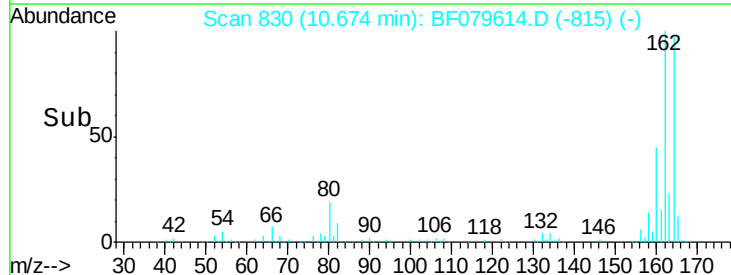
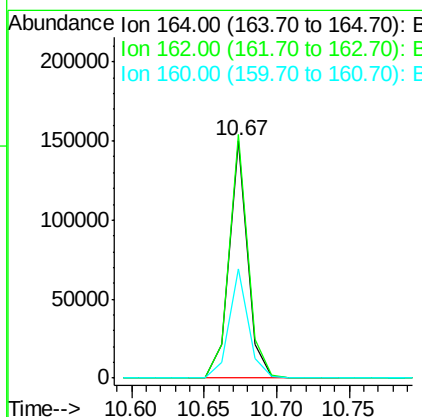
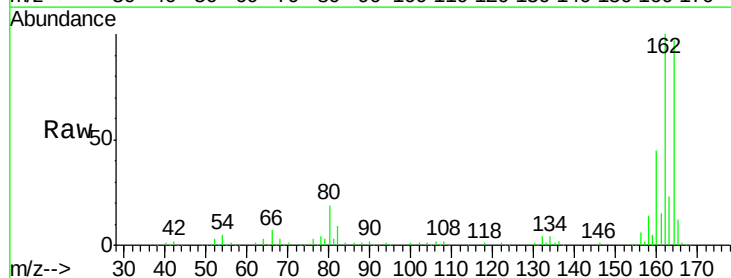
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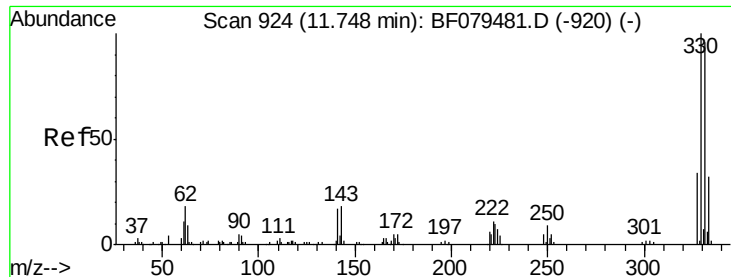
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079614.D
 Acq: 30 May 2015 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133345		
162	102.6	82.6	124.0	
160	46.0	37.7	56.5	





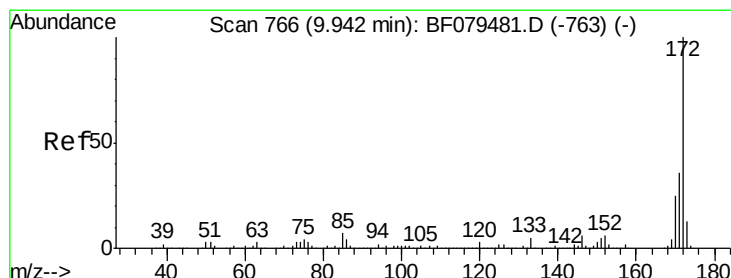
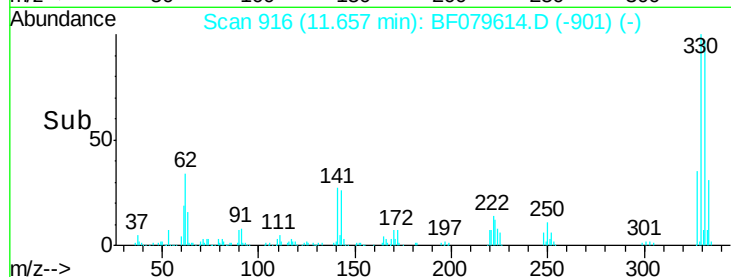
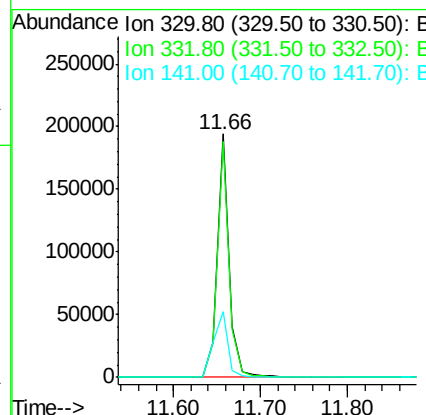
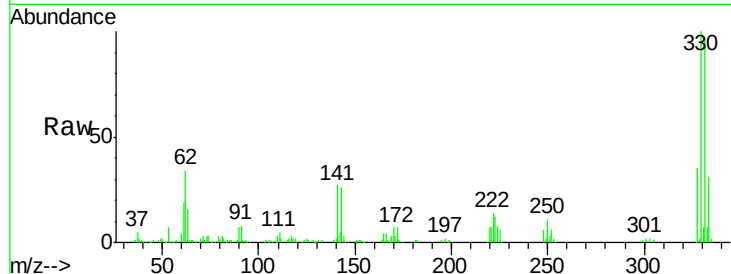
#41
 2,4,6-Tribromophenol
 Concen: 128.09 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079614.D
 Acq: 30 May 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.2(4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.2	0.0	0.0#
141	32.1	0.0	0.0#

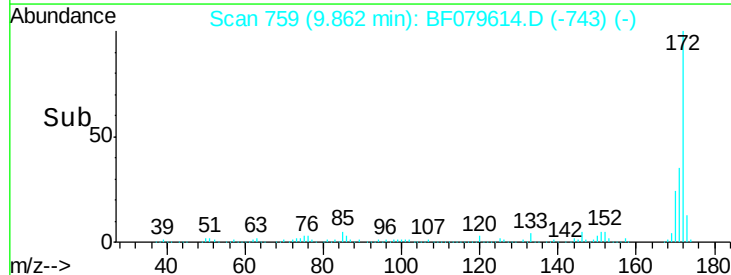
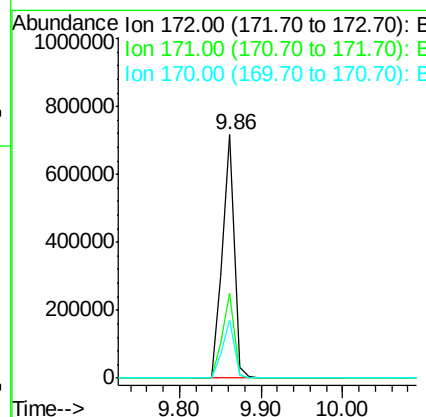
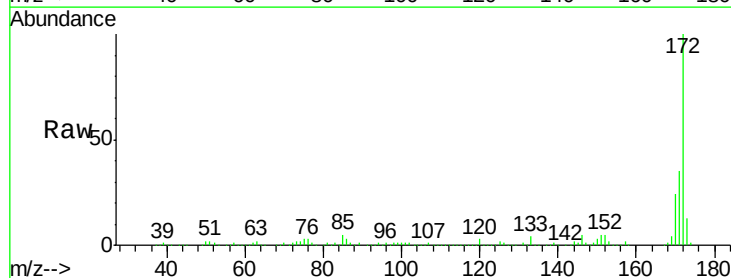
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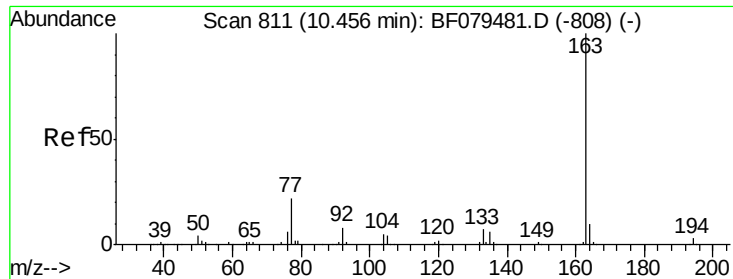
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#44
 2-Fluorobiphenyl
 Concen: 78.16 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079614.D
 Acq: 30 May 2015 20:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.7	28.5	42.7
170	24.0	19.7	29.5





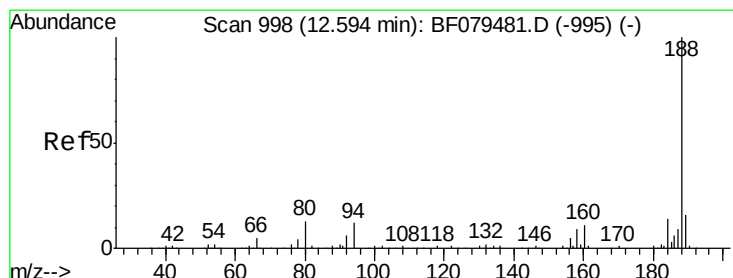
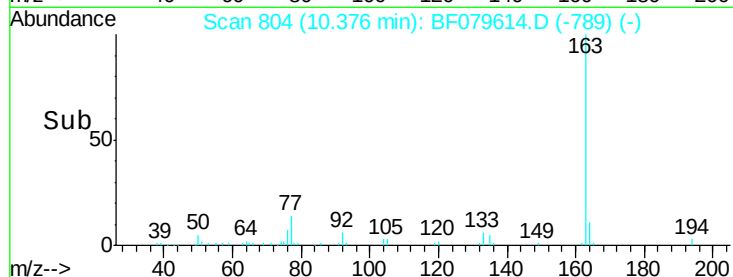
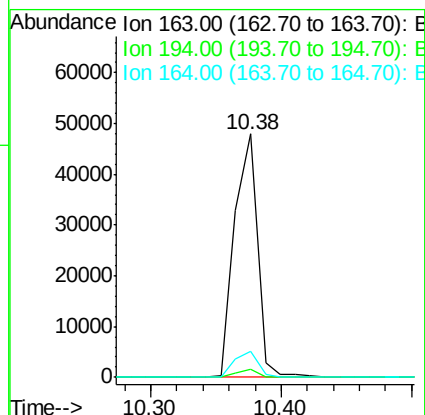
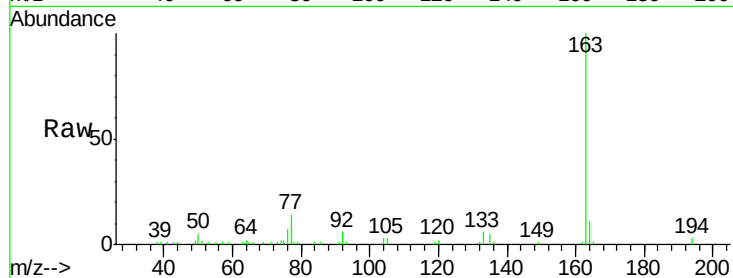
#49
Dimethylphthalate
Concen: 5.96 ng
RT: 10.38 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Instrument :
BNA_F
ClientSampleId :
PENRD8.2(4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.4	3.6
164	10.6	8.2	12.4

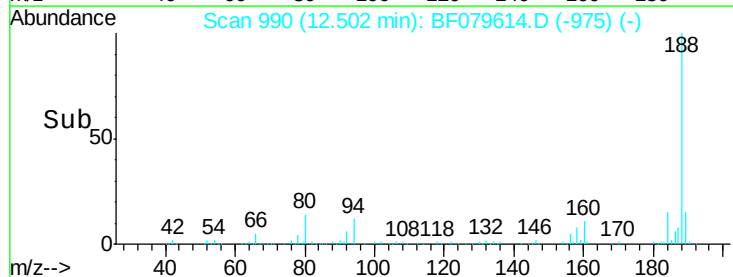
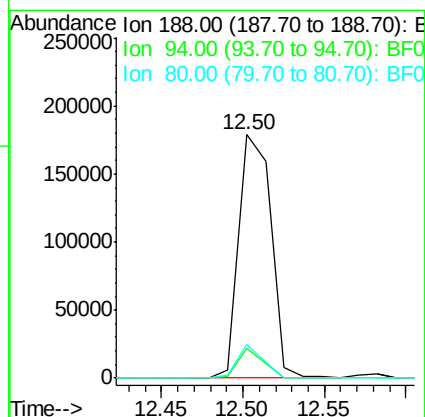
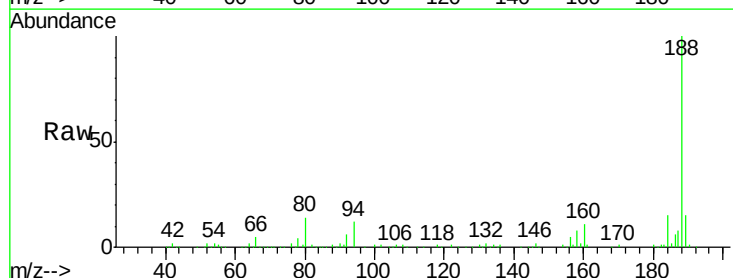
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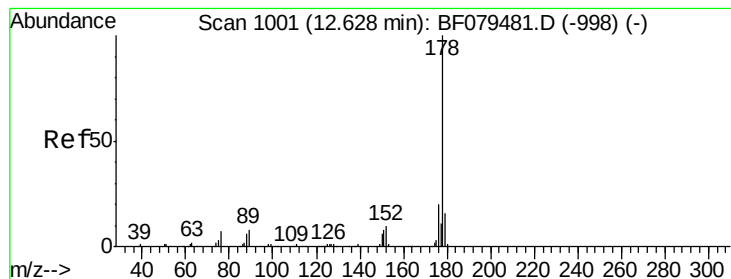
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.50 min Scan# 990
Delta R.T. -0.03 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.4	9.8	14.6
80	13.8	10.5	15.7





#70

Phenanthrene

Concen: 8.79 ng

RT: 12.54 min Scan# 993

Delta R.T. -0.03 min

Lab File: BF079614.D

Acq: 30 May 2015 20:39

Instrument :

BNA_F

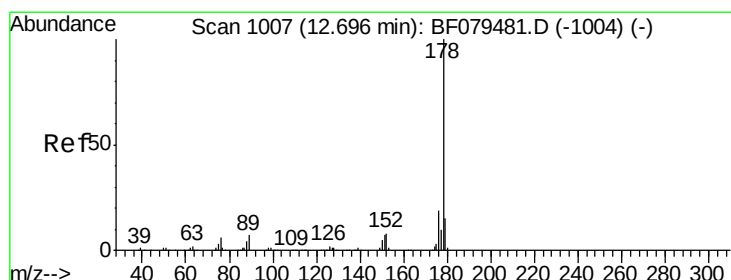
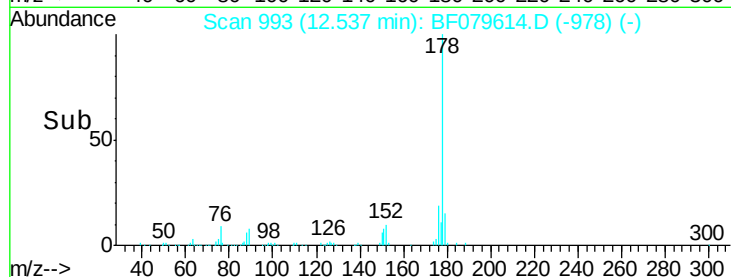
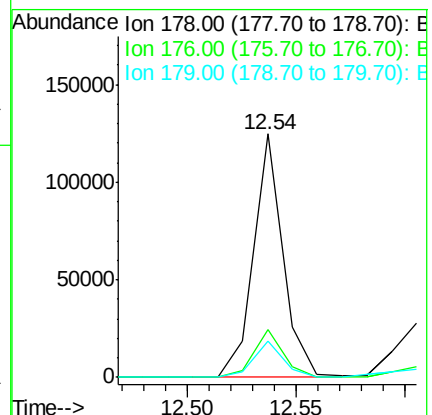
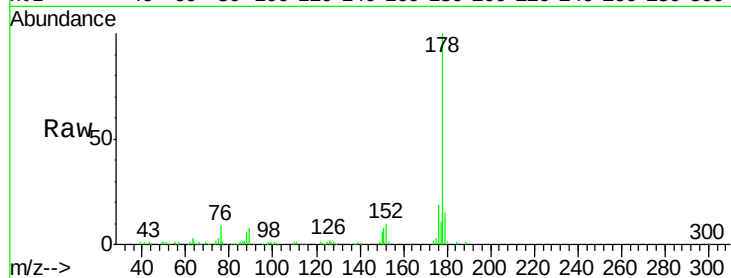
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.1	12.4	18.6

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#71

Anthracene

Concen: 2.31 ng

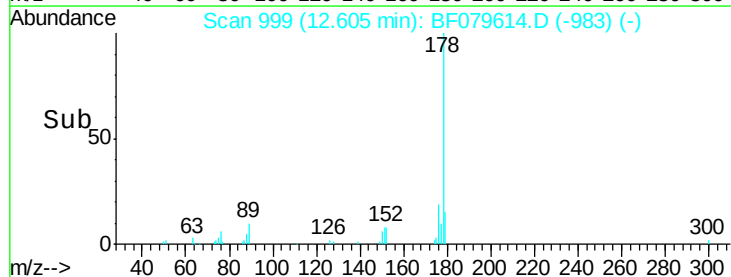
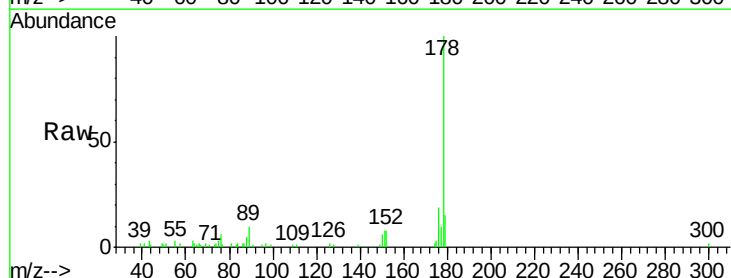
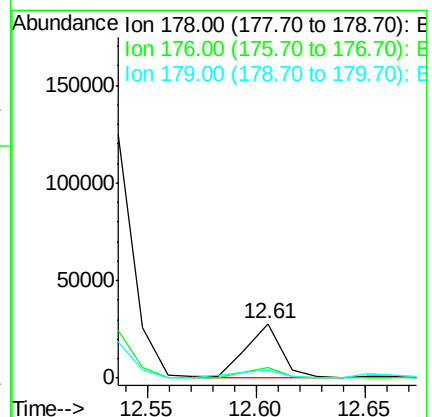
RT: 12.61 min Scan# 999

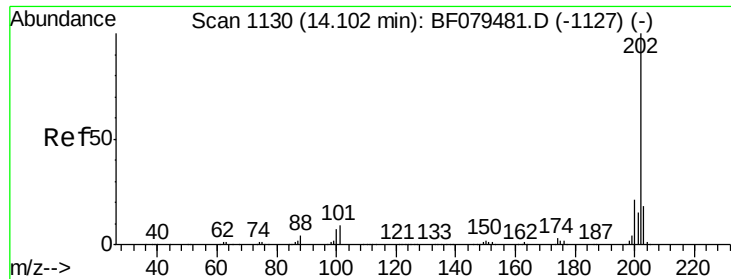
Delta R.T. -0.02 min

Lab File: BF079614.D

Acq: 30 May 2015 20:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.2	18.4





#74

Fluoranthene

Concen: 15.88 ng

RT: 14.01 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BF079614.D

Acq: 30 May 2015 20:39

Instrument :

BNA_F

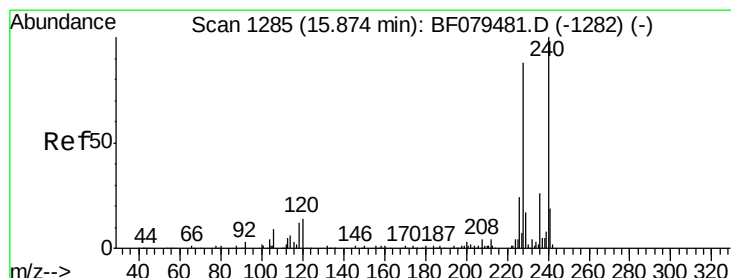
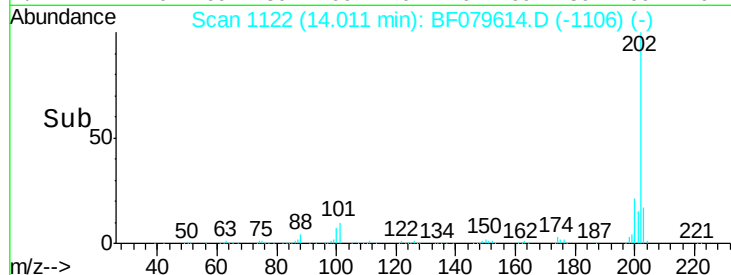
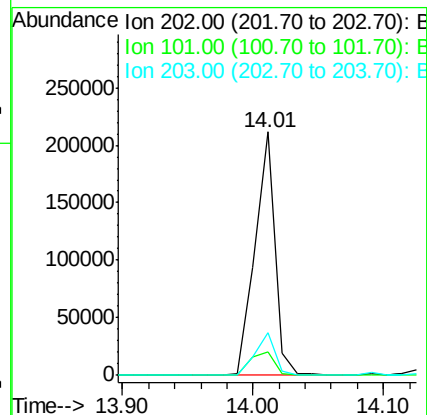
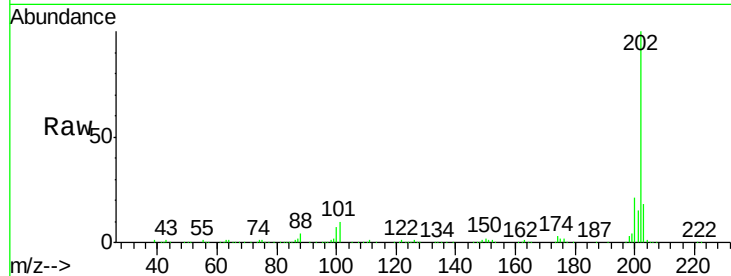
ClientSampleId :

PENRD8.2(4)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		227131		
101	9.7	0.0	29.3		
203	17.6	0.0	37.6		

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#75

Chrysene-d12

Concen: 20.00 ng

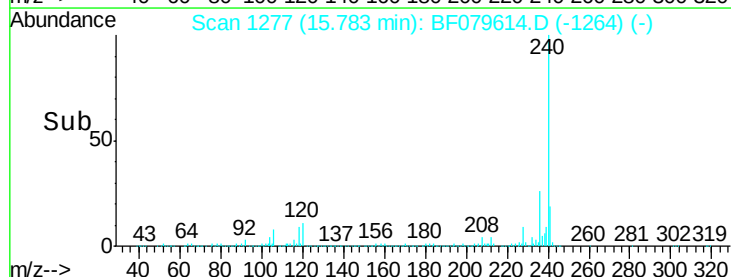
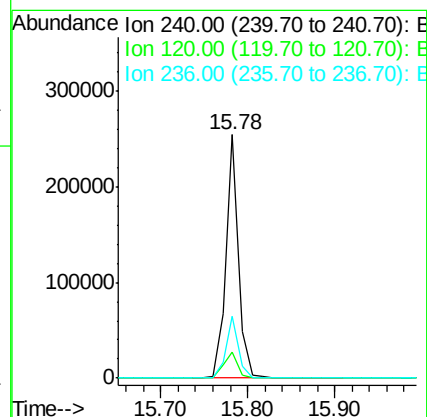
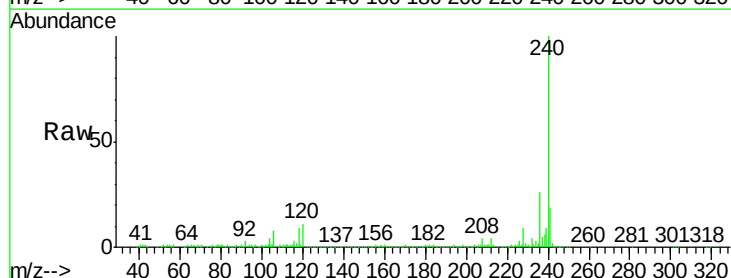
RT: 15.78 min Scan# 1277

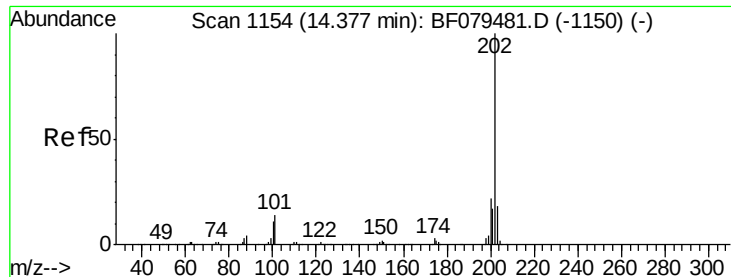
Delta R.T. -0.06 min

Lab File: BF079614.D

Acq: 30 May 2015 20:39

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		261533		
120	10.8	10.8	16.2#		
236	25.5	21.0	31.6		





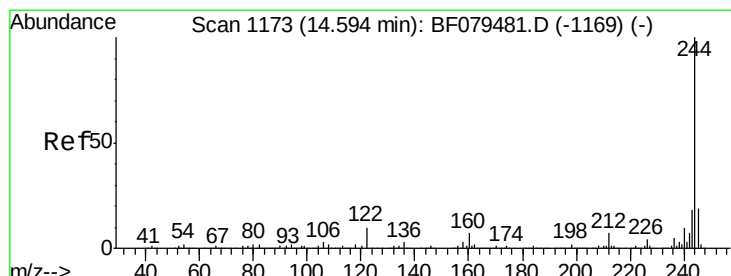
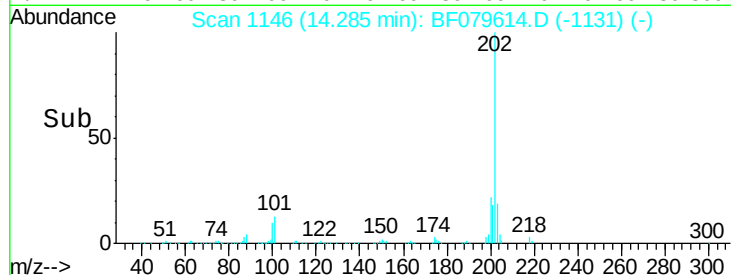
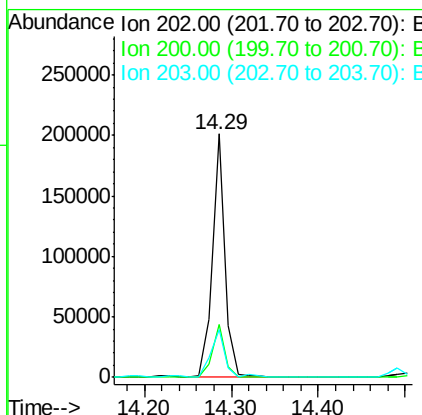
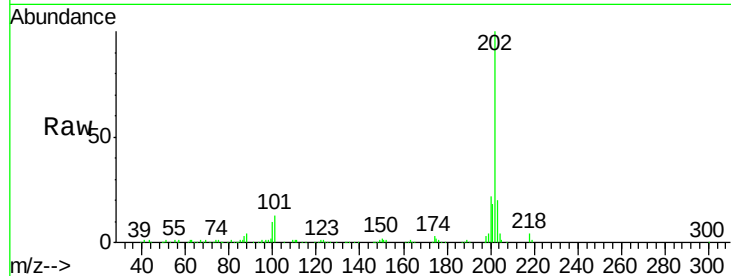
#77
 Pyrene
 Concen: 12.58 ng
 RT: 14.29 min Scan# 1146
 Delta R.T. -0.03 min
 Lab File: BF079614.D
 Acq: 30 May 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.2(4)

Tgt Ion:	202	Resp:	203888
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.5	26.3
203	19.6	14.4	21.6

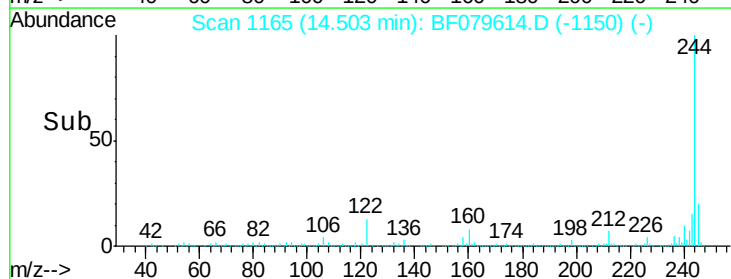
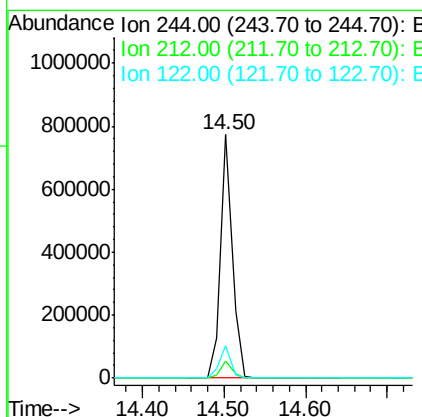
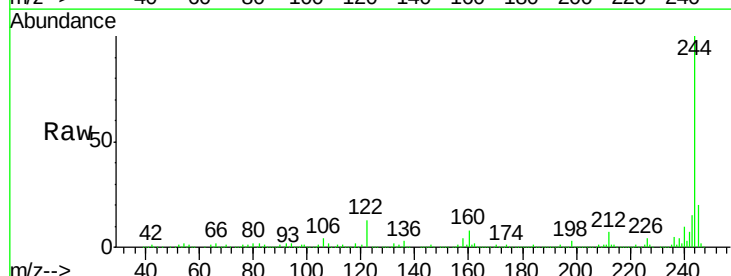
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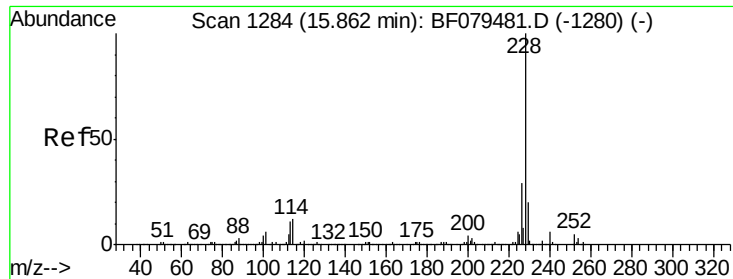
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#78
 Terphenyl-d14
 Concen: 69.40 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.03 min
 Lab File: BF079614.D
 Acq: 30 May 2015 20:39

Tgt Ion:	244	Resp:	773437
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.2	7.8
122	13.1	8.0	12.0#





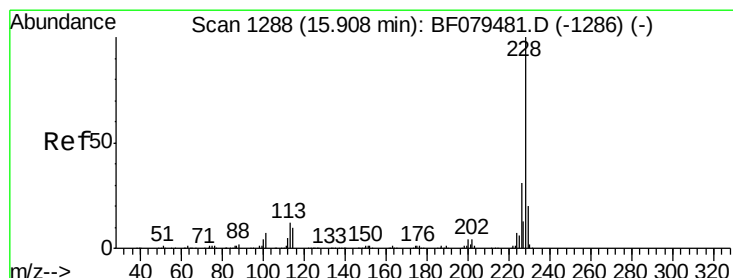
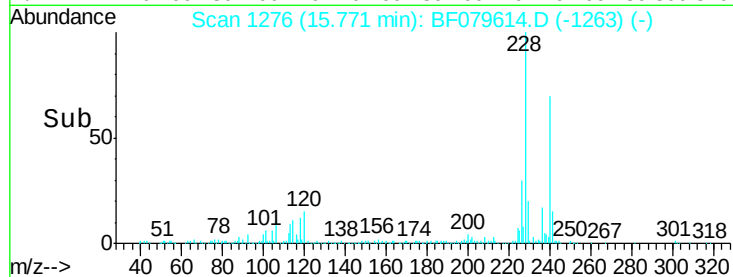
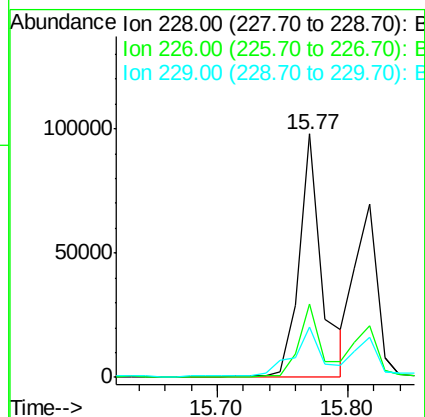
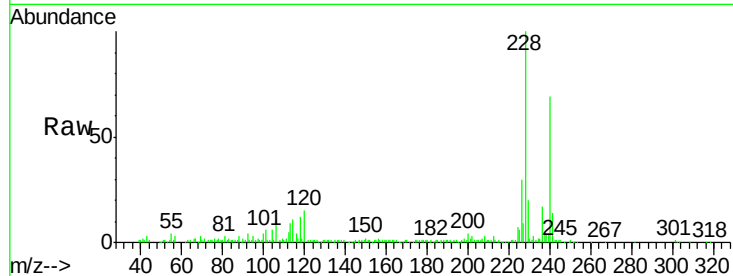
#80
Benzo(a)anthracene
Concen: 7.92 ng
RT: 15.77 min Scan# 1276
Delta R.T. -0.06 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Instrument :
BNA_F
ClientSampleId :
PENRD8.2(4)

Tgt Ion:	228	Resp:	119097
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.8	34.2
229	20.5	15.9	23.9

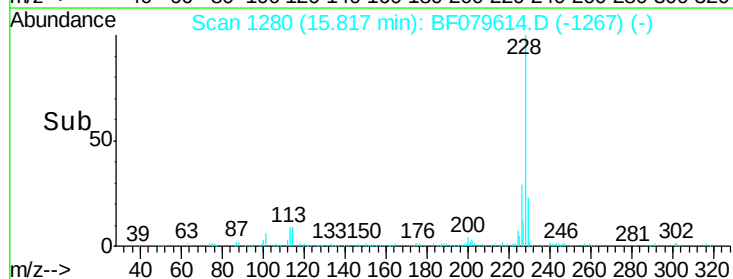
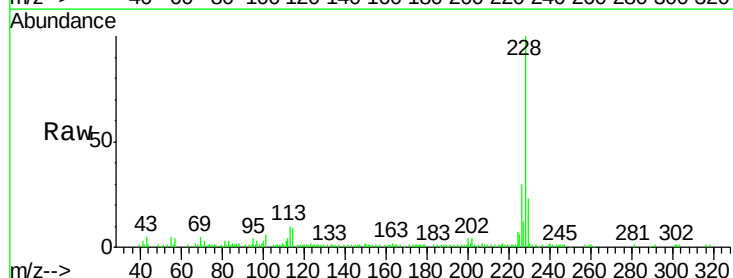
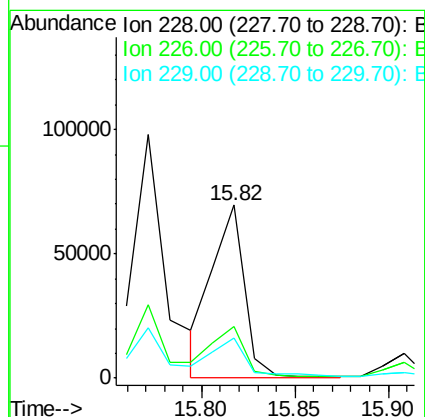
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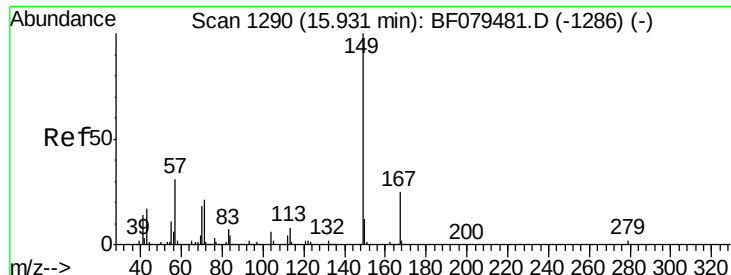
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#82
Chrysene
Concen: 5.88 ng
RT: 15.82 min Scan# 1280
Delta R.T. -0.06 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Tgt Ion:	228	Resp:	84071
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.4
229	23.3	15.9	23.9





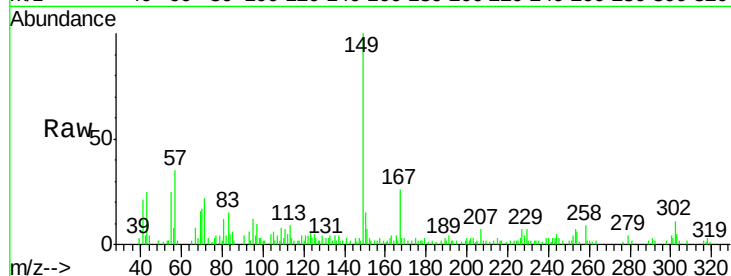
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.99 ng
 RT: 15.85 min Scan# 1283
 Delta R.T. -0.06 min
 Lab File: BF079614.D
 Acq: 30 May 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.2(4)

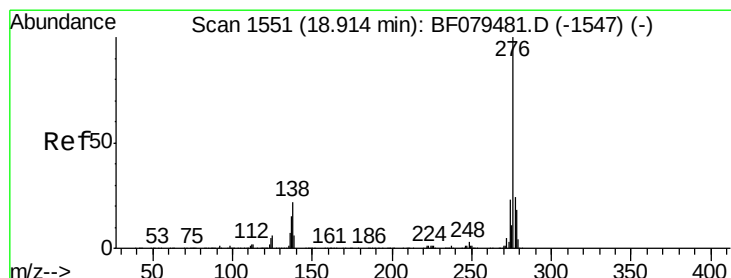
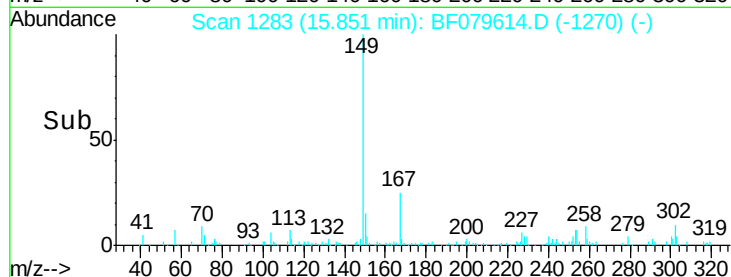
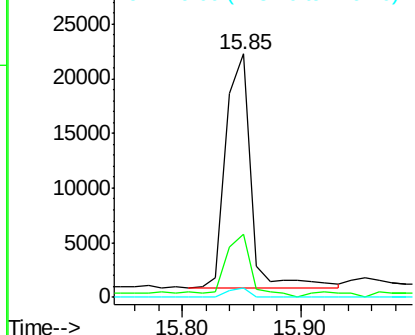
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	31205		
167	26.1	20.2	30.4	
279	4.1	2.0	3.0#	

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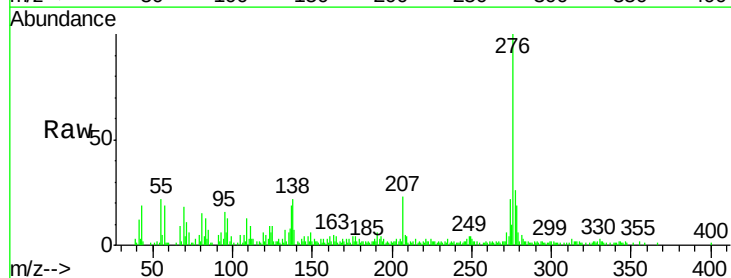


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

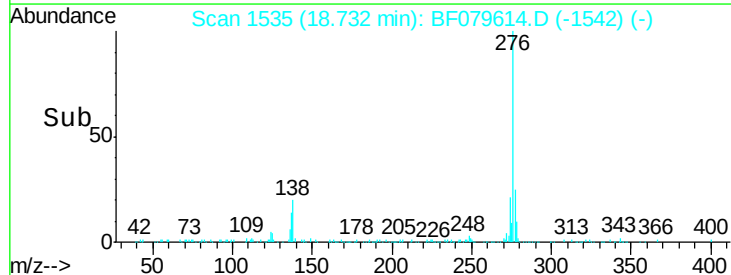
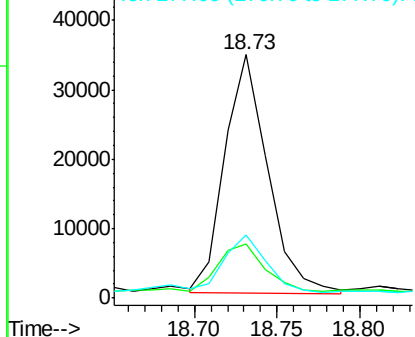


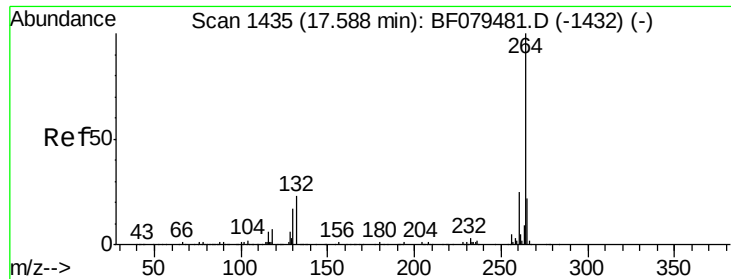
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.42 ng m
 RT: 18.73 min Scan# 1535
 Delta R.T. -0.29 min
 Lab File: BF079614.D
 Acq: 30 May 2015 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	62935		
138	3.9	21.4	32.2#	
277	0.0	19.8	29.6#	



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





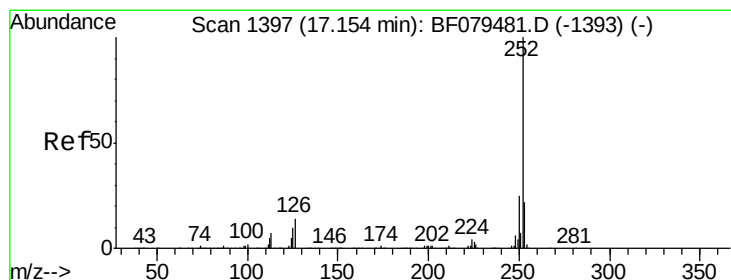
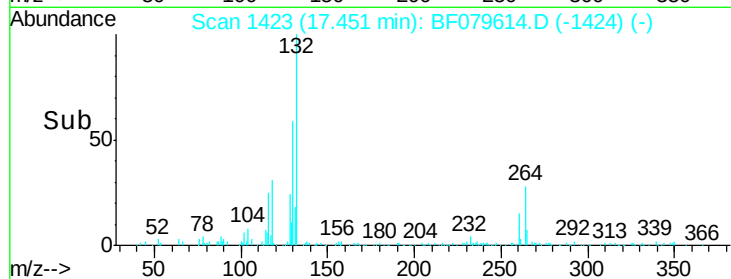
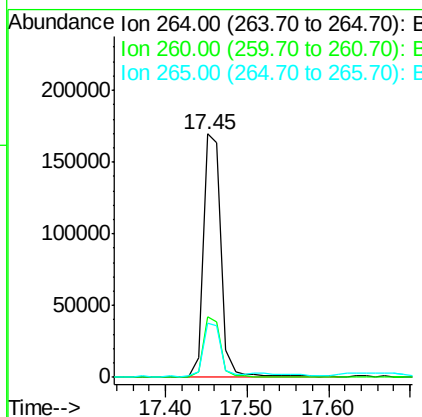
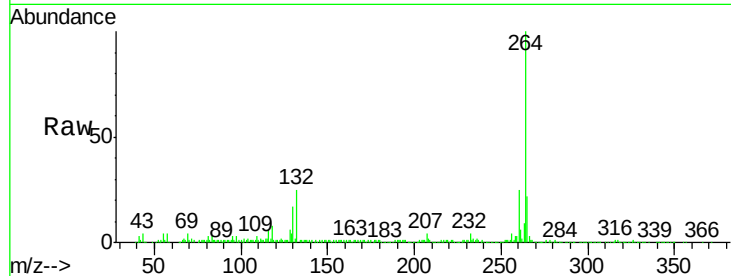
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.45 min Scan# 1423
Delta R.T. -0.22 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Instrument :
BNA_F
ClientSampleId :
PENRD8.2(4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.8
265	22.1	17.8	26.6

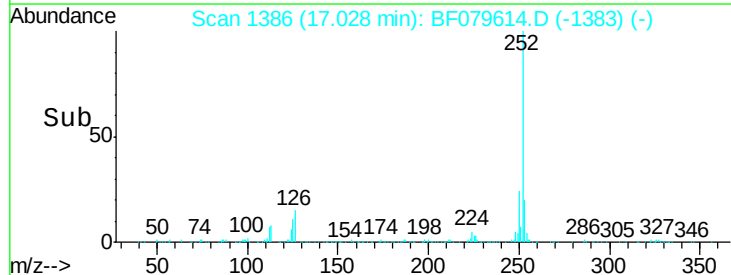
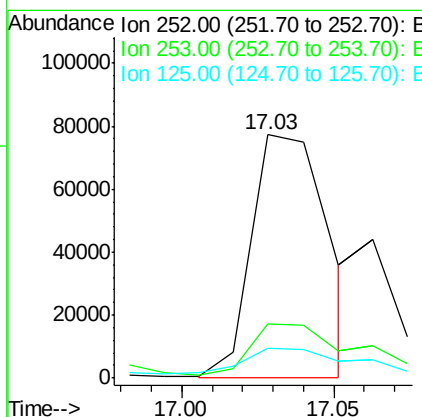
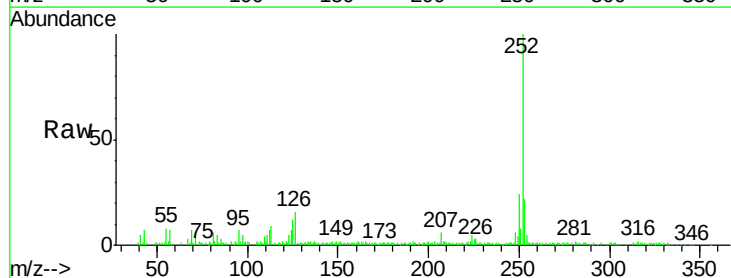
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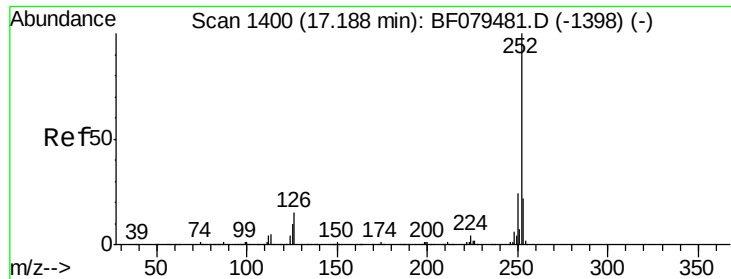
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#87
Benzo(b)fluoranthene
Concen: 9.24 ng m
RT: 17.03 min Scan# 1386
Delta R.T. -0.17 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	12.4	7.8	11.6#





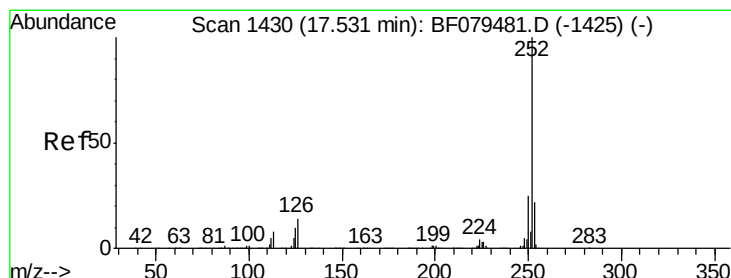
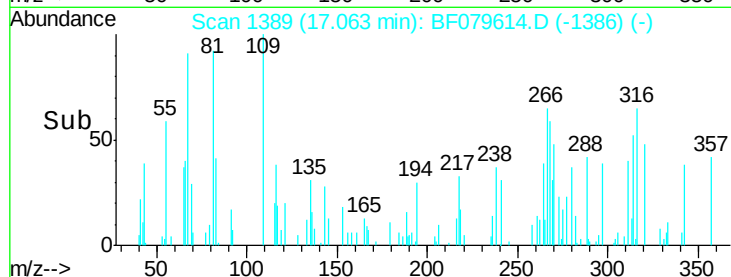
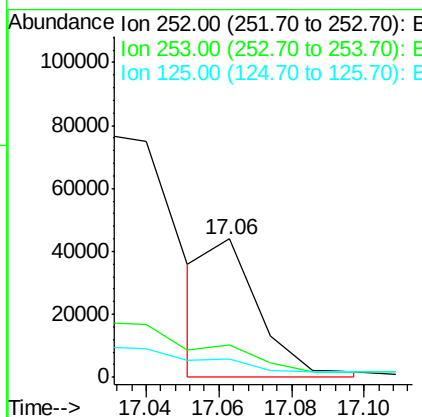
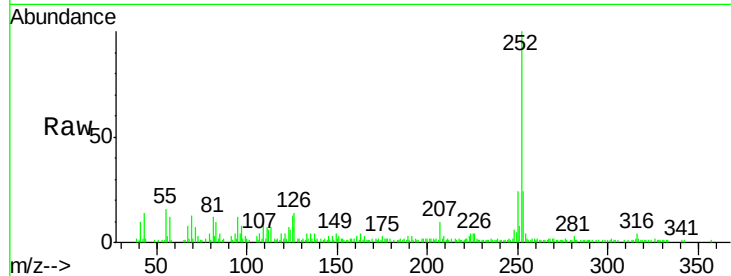
#88
Benzo(k)fluoranthene
Concen: 3.21 ng m
RT: 17.06 min Scan# 1389
Delta R.T. -0.17 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Instrument :
BNA_F
ClientSampleId :
PENRD8.2(4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	13.2	6.8	10.2

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#89
Benzo(a)pyrene
Concen: 5.72 ng
RT: 17.39 min Scan# 1418
Delta R.T. -0.22 min
Lab File: BF079614.D
Acq: 30 May 2015 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	13.2	7.9	11.9

