

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079612.D
 Acq On : 30 May 2015 19:41
 Operator : TP/IZ
 Sample : G2420-26 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.13(5)

Manual Integrations
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Quant Time: May 31 07:26:22 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	65357	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	260279	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	124935	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	237861	20.00	ng	-0.03
75) Chrysene-d12	15.78	240	256686	20.00	ng	-0.06
86) Perylene-d12	17.45	264	252456m	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	79503	21.10	ng	0.00
7) Phenol-d6	6.55	99	107506	22.38	ng	-0.01
23) Nitrobenzene-d5	7.63	82	59334	13.18	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	29135	21.23	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	128784	14.71	ng	-0.02
78) Terphenyl-d14	14.50	244	153014	13.99	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	12.54	178	171278	13.13	ng	100
71) Anthracene	12.61	178	41040	3.10	ng	99
74) Fluoranthene	14.01	202	268914	19.22	ng	99
77) Pyrene	14.29	202	230810	14.51	ng	99
80) Benzo(a)anthracene	15.77	228	124828m	8.45	ng	
82) Chrysene	15.81	228	119050m	8.48	ng	
83) Bis(2-ethylhexyl)phthalate	15.84	149	24524	2.39	ng	# 99
85) Indeno(1,2,3-cd)pyrene	18.72	276	75873m	4.20	ng	
87) Benzo(b)fluoranthene	17.03	252	161293m	11.20	ng	
88) Benzo(k)fluoranthene	17.05	252	56043m	4.35	ng	
89) Benzo(a)pyrene	17.38	252	110795	7.16	ng	# 93
91) Benzo(g,h,i)perylene	19.09	276	79458	3.30	ng	96

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

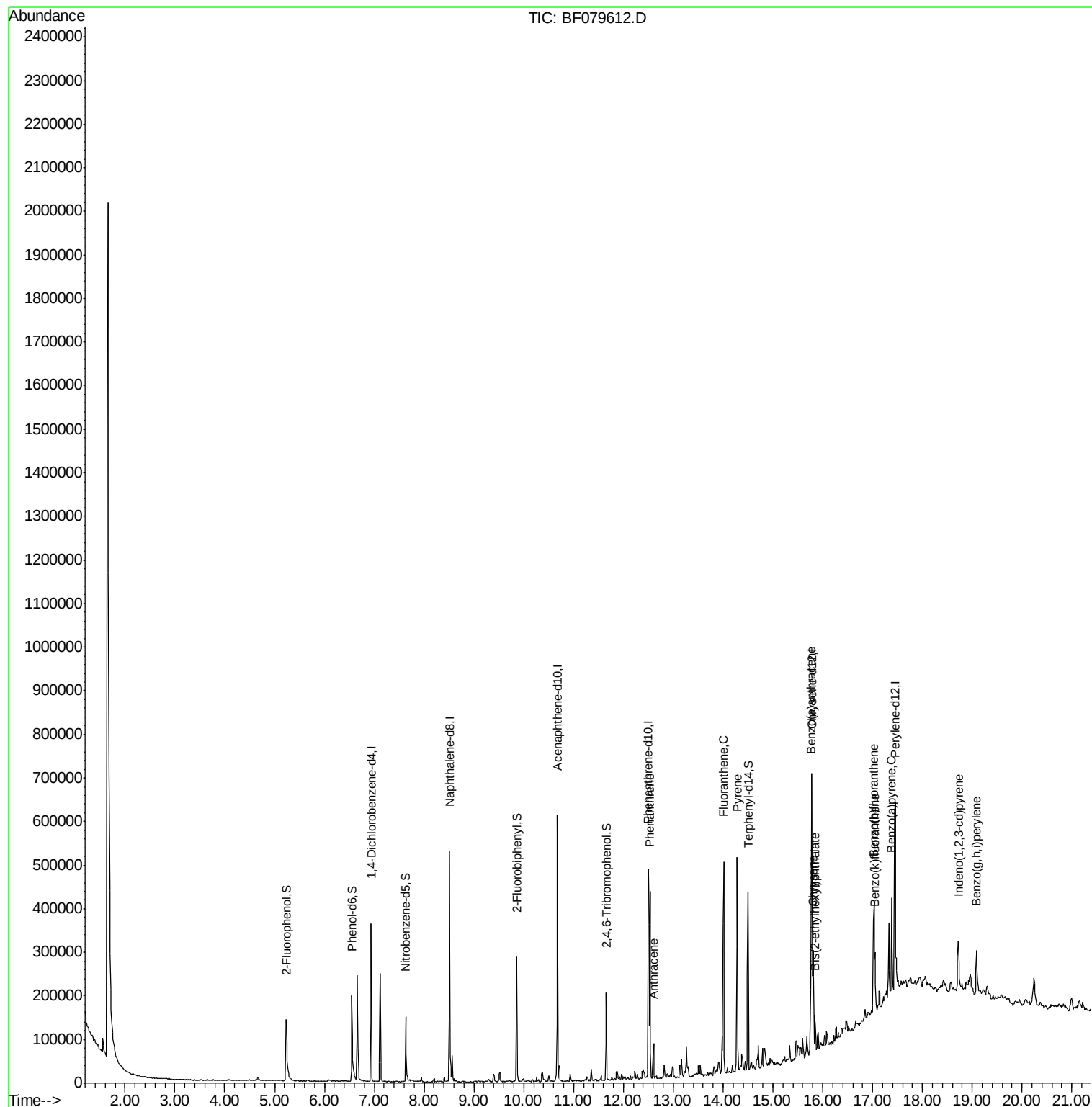
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079612.D
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Operator : TP/IZ
Sample : G2420-26 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

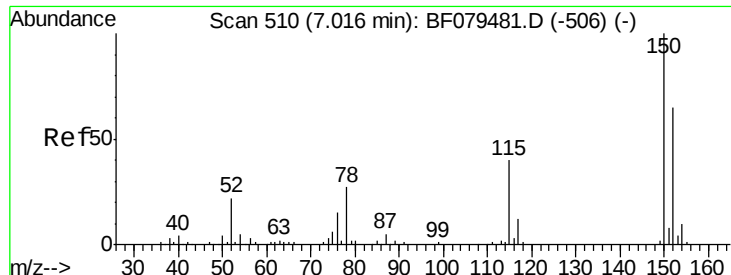
Instrument :
BNA_F
ClientSampleId :
PENRD8.13(5)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

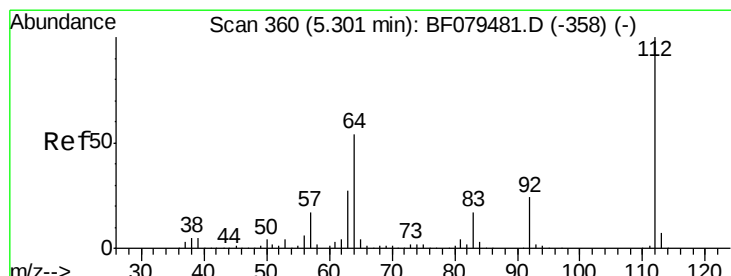
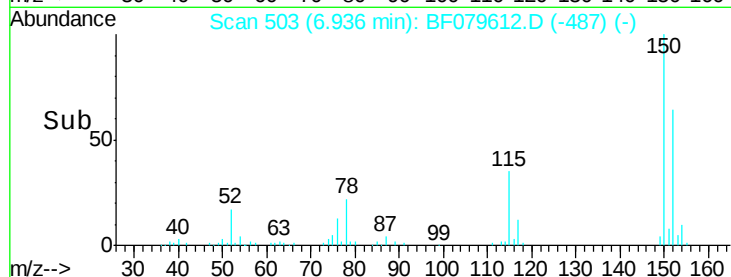
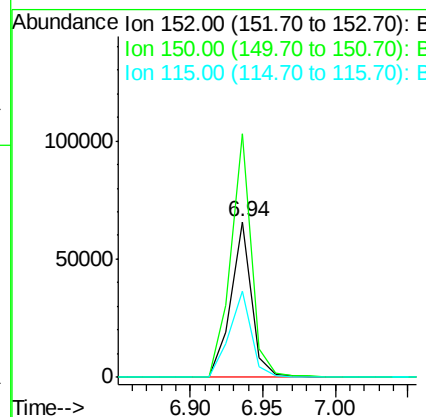
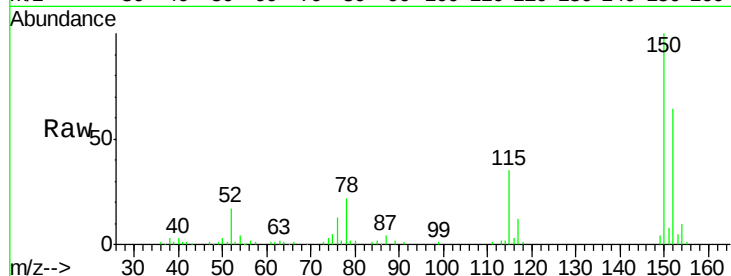
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF079612.D
Acq: 30 May 2015 19:41

Instrument :
BNA_F
ClientSampleId :
PENRD8.13(5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.0	186.0
115	55.5	49.6	74.4

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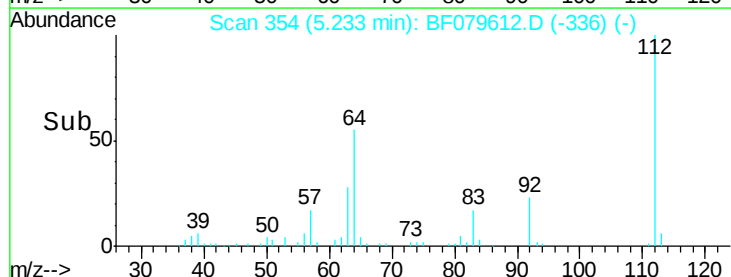
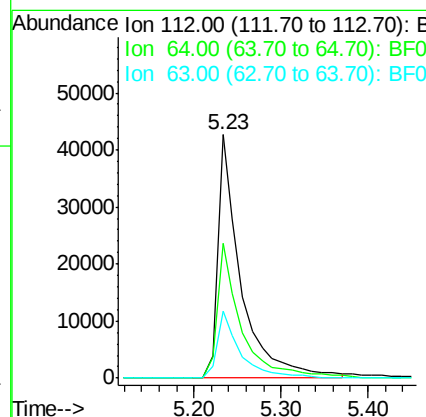
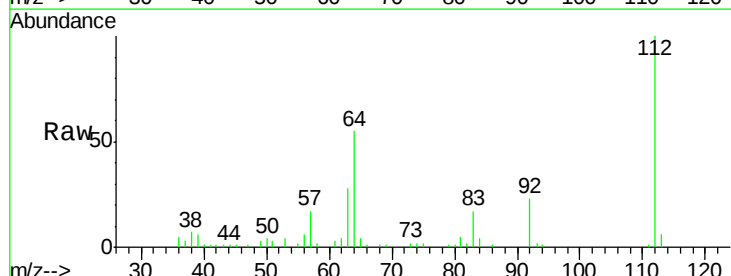
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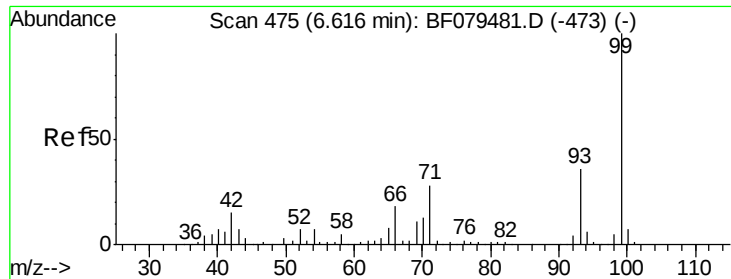


#5

2-Fluorophenol
Concen: 21.10 ng
RT: 5.23 min Scan# 354
Delta R.T. 0.00 min
Lab File: BF079612.D
Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	43.5	65.3
63	27.7	21.8	32.8





#7

Phenol-d6

Concen: 22.38 ng

RT: 6.55 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF079612.D

Acq: 30 May 2015 19:41

Instrument :

BNA_F

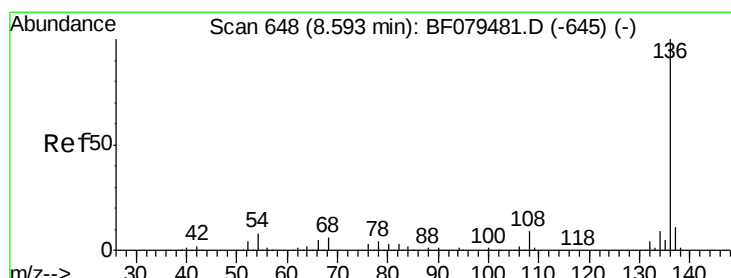
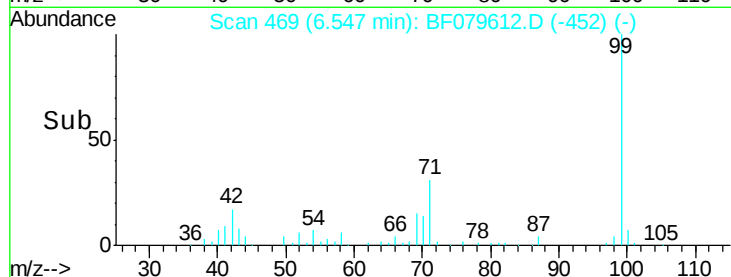
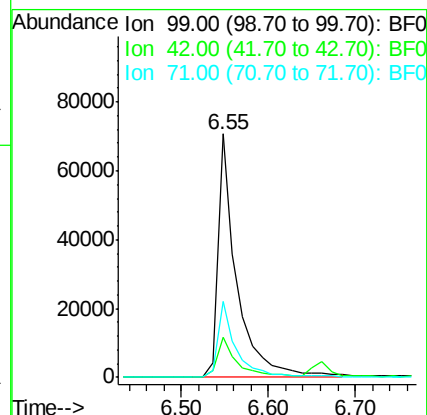
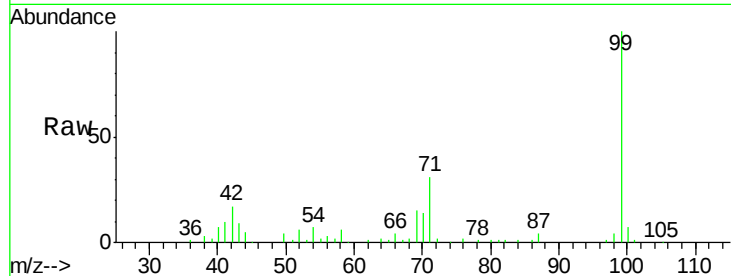
ClientSampleId :

PENRD8.13(5)

Tgt Ion:	99	Resp:	107506
Ion Ratio	Lower	Upper	
99	100		
42	16.5	11.9	17.9
71	31.1	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

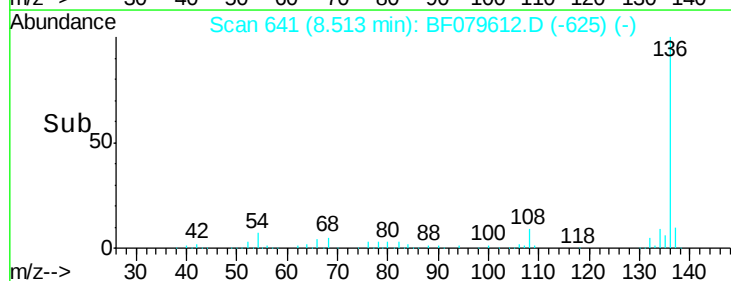
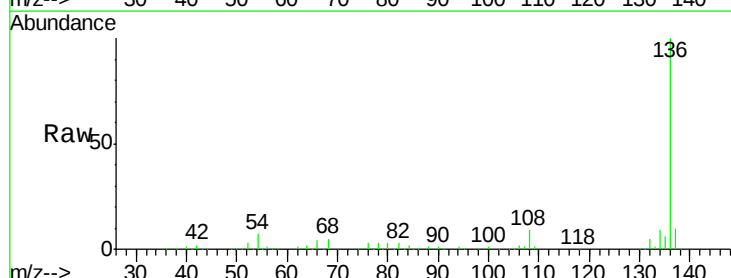
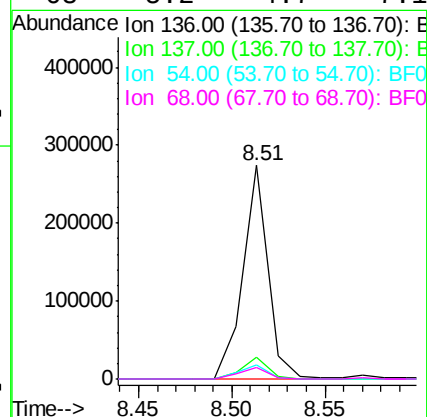
RT: 8.51 min Scan# 641

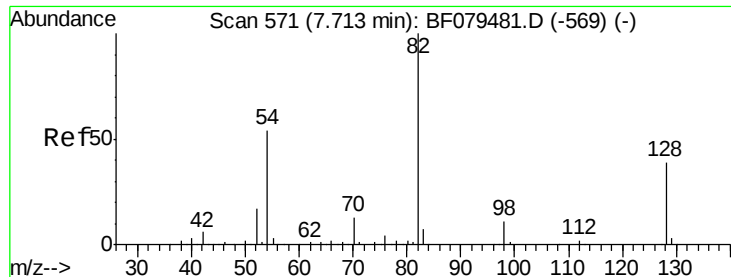
Delta R.T. -0.02 min

Lab File: BF079612.D

Acq: 30 May 2015 19:41

Tgt Ion:	136	Resp:	260279
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	6.7	6.6	9.8
68	5.2	4.7	7.1





#23

Nitrobenzene-d5

Concen: 13.18 ng

RT: 7.63 min Scan# 564

Delta R.T. -0.03 min

Lab File: BF079612.D

Acq: 30 May 2015 19:41

Instrument :

BNA_F

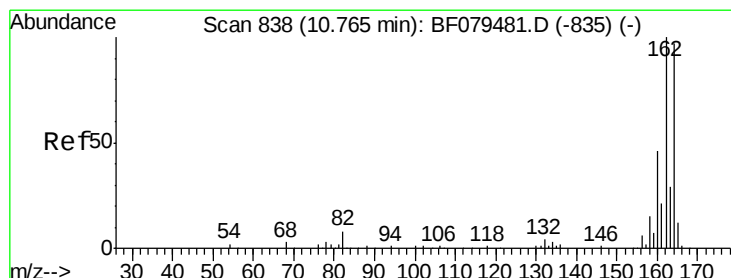
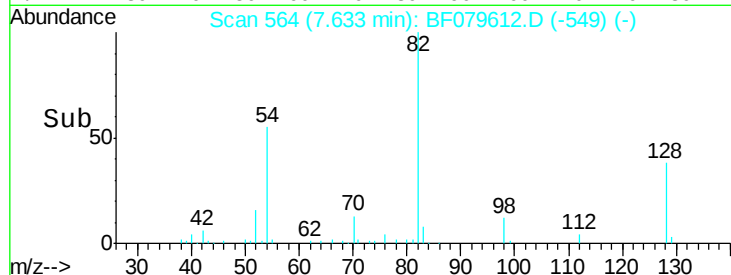
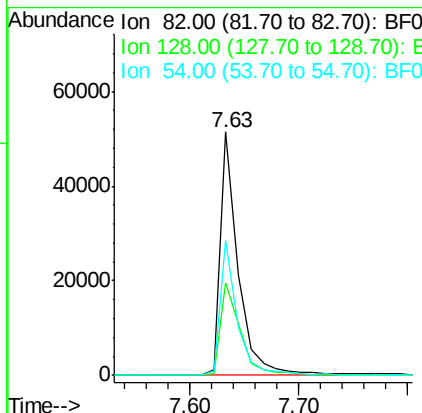
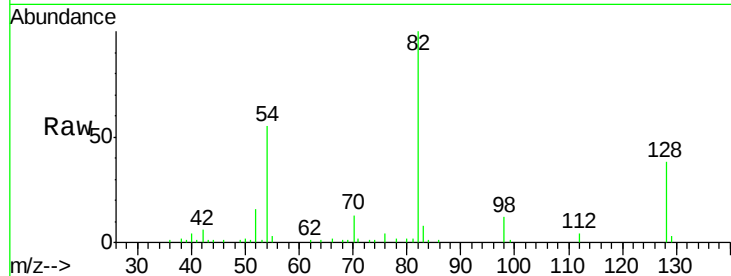
ClientSampleId :

PENRD8.13(5)

Tgt Ion:	82	Resp:	59334
Ion Ratio	Lower	Upper	
82	100		
128	37.8	30.8	46.2
54	55.3	42.8	64.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

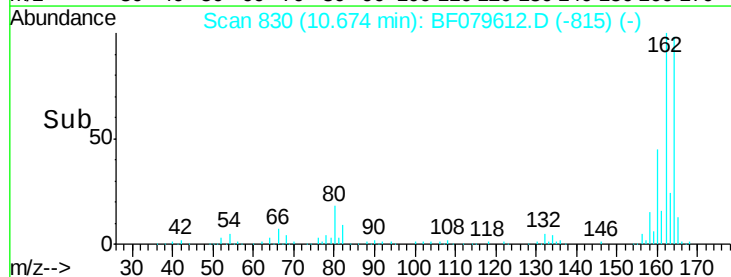
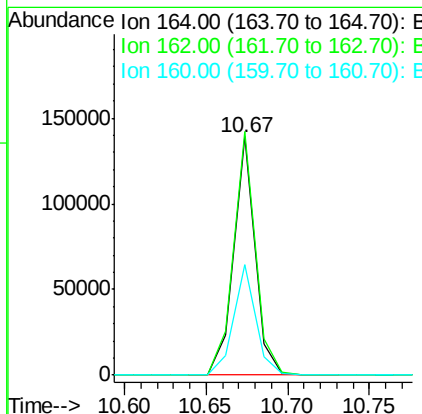
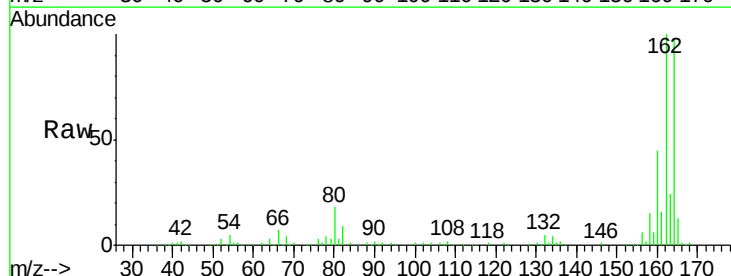
RT: 10.67 min Scan# 830

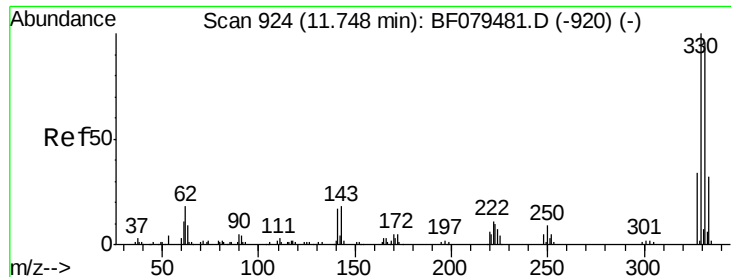
Delta R.T. -0.03 min

Lab File: BF079612.D

Acq: 30 May 2015 19:41

Tgt Ion:	164	Resp:	124935
Ion Ratio	Lower	Upper	
164	100		
162	102.2	82.6	124.0
160	46.5	37.7	56.5





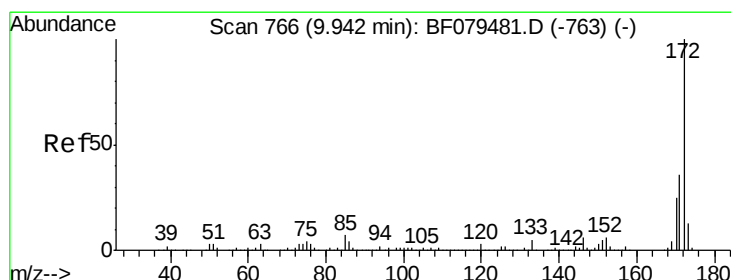
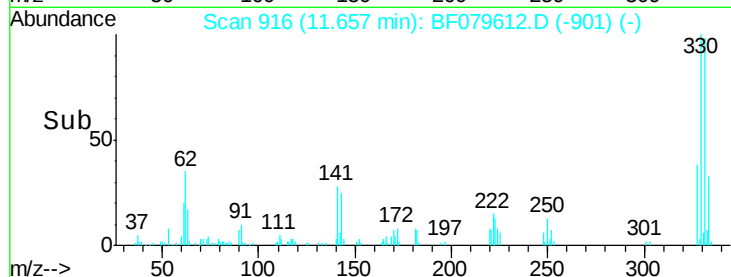
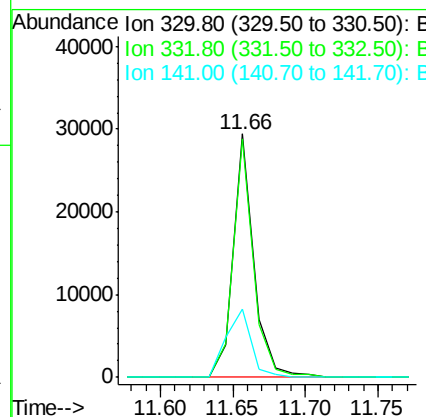
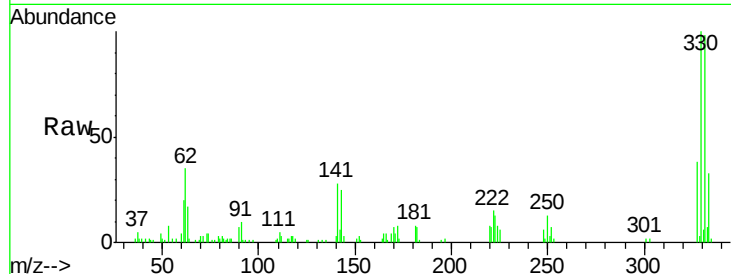
#41
 2,4,6-Tribromophenol
 Concen: 21.23 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.13(5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.9	0.0	0.0#
141	33.9	0.0	0.0#

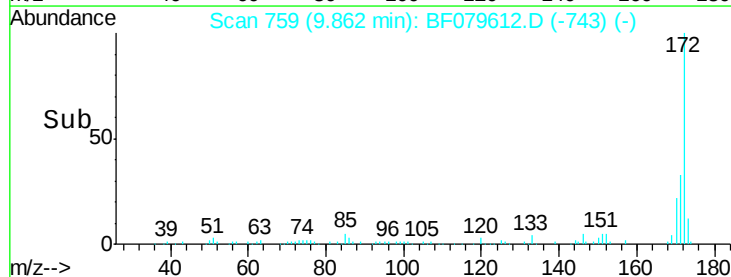
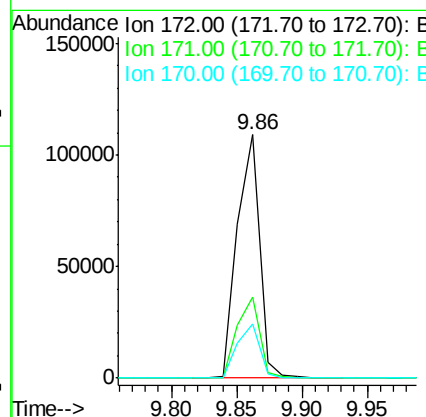
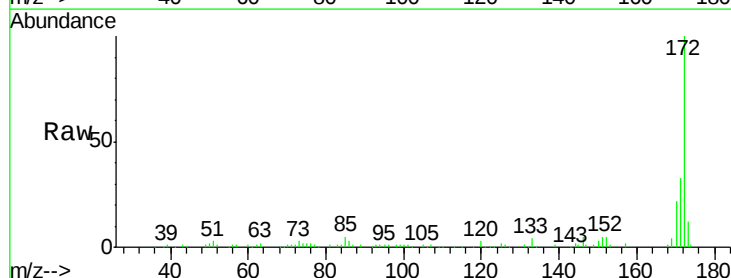
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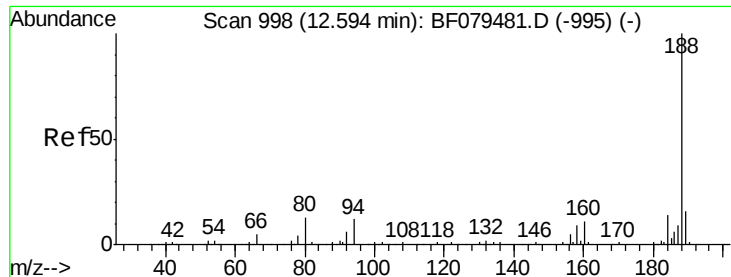
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#44
 2-Fluorobiphenyl
 Concen: 14.71 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	33.4	28.5	42.7
170	22.1	19.7	29.5





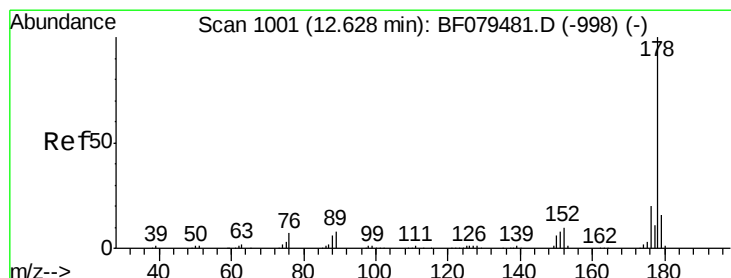
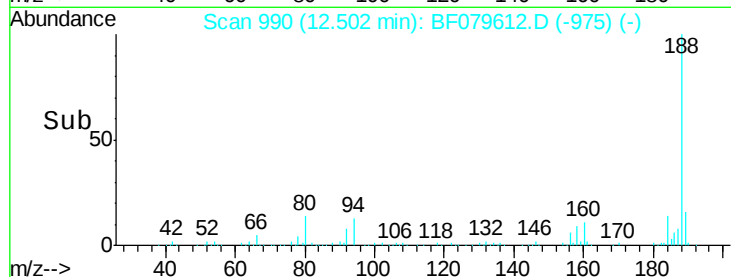
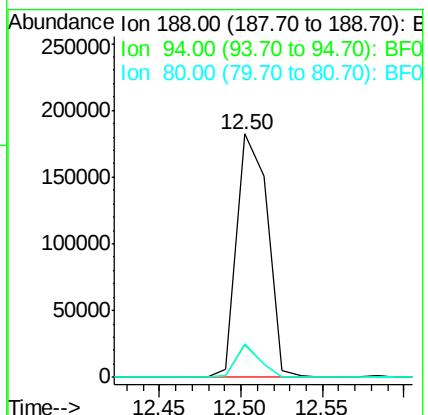
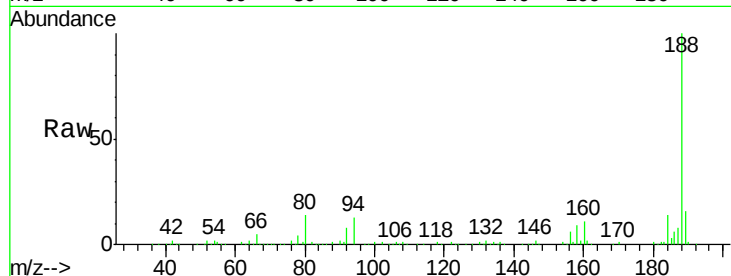
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.50 min Scan# 990
 Delta R.T. -0.03 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

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 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	237861		
94	13.1	9.8	14.6	
80	13.7	10.5	15.7	

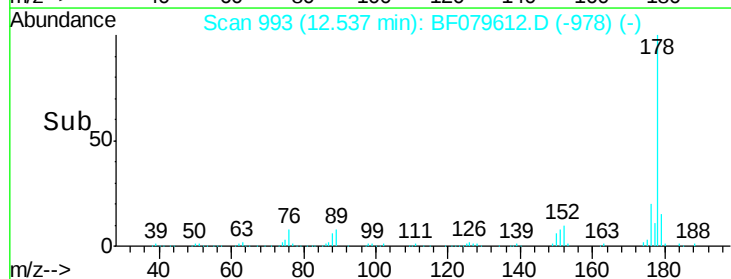
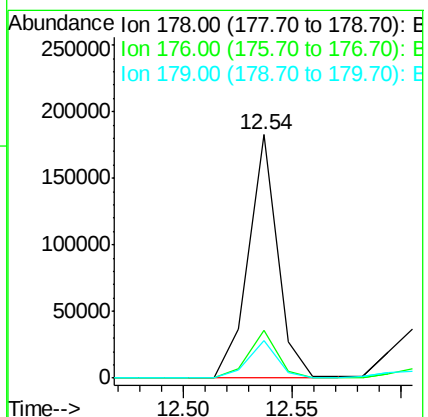
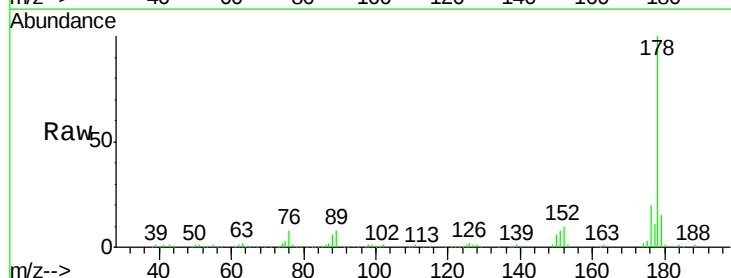
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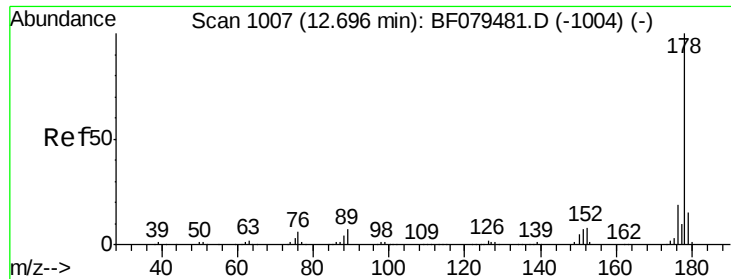
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#70
 Phenanthrene
 Concen: 13.13 ng
 RT: 12.54 min Scan# 993
 Delta R.T. -0.03 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	171278		
176	19.6	15.7	23.5	
179	15.3	12.4	18.6	





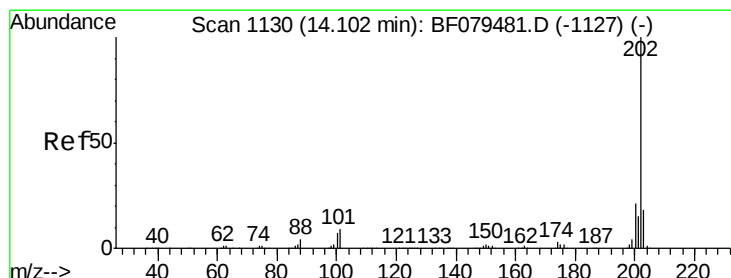
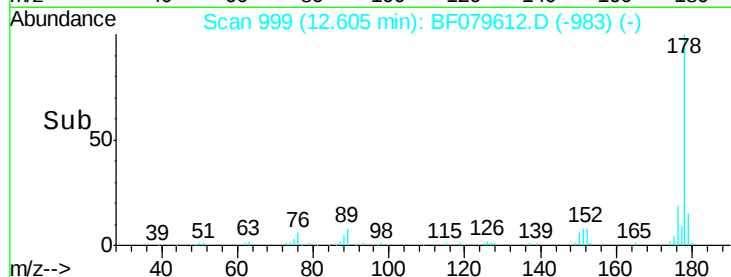
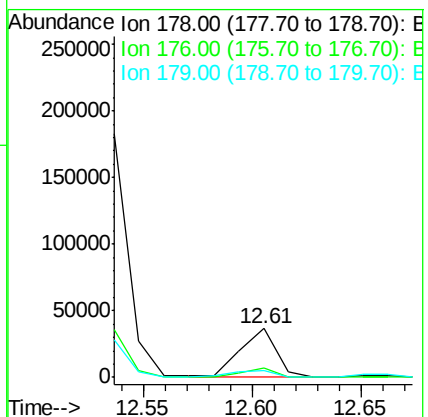
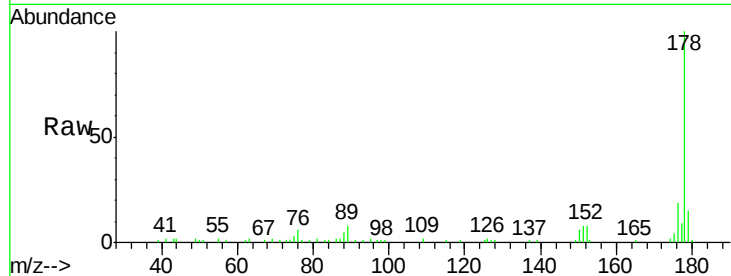
#71
 Anthracene
 Concen: 3.10 ng
 RT: 12.61 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.13(5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.0	12.2	18.4

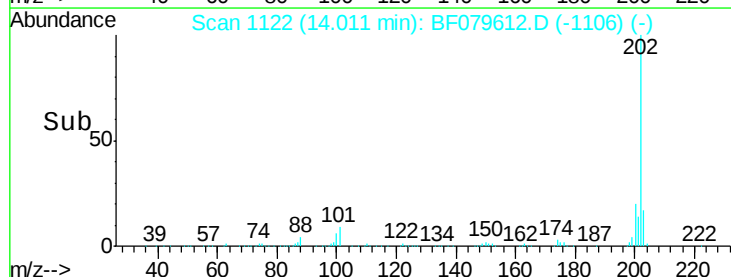
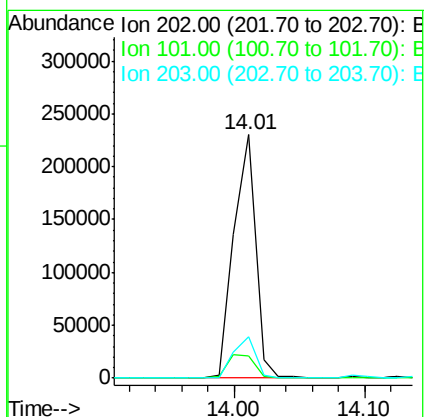
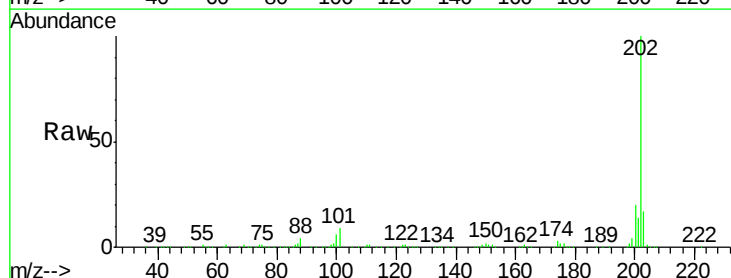
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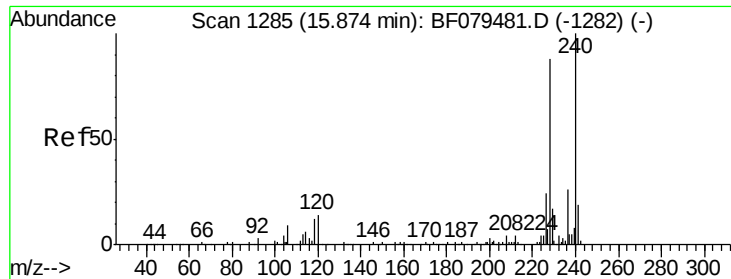
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#74
 Fluoranthene
 Concen: 19.22 ng
 RT: 14.01 min Scan# 1122
 Delta R.T. -0.02 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.3
203	17.1	0.0	37.6





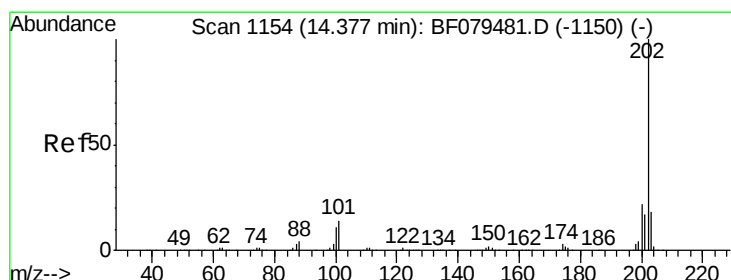
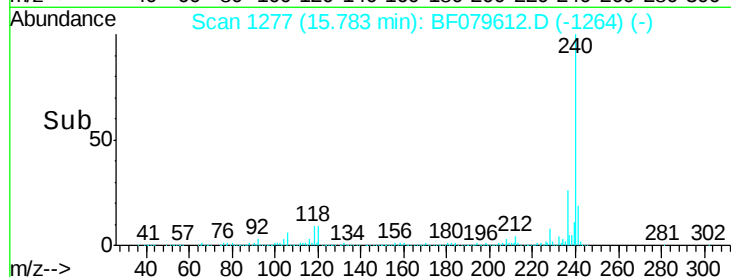
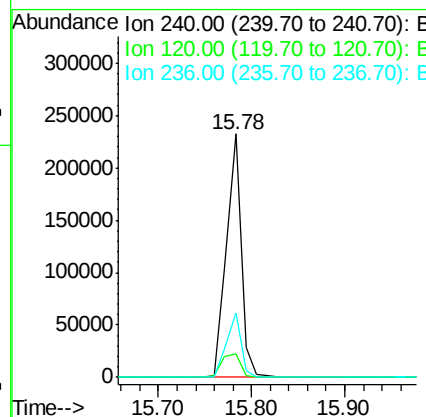
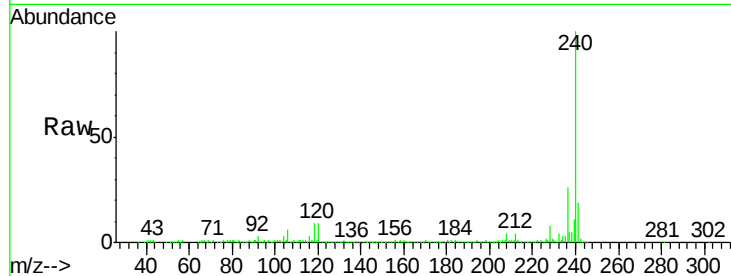
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.78 min Scan# 1277
 Delta R.T. -0.06 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.13(5)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	256686		
120	9.5	10.8	16.2	#
236	26.5	21.0	31.6	

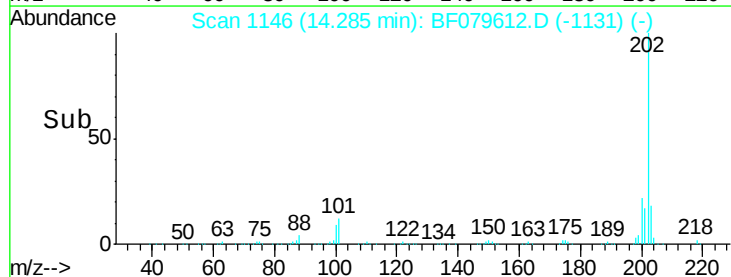
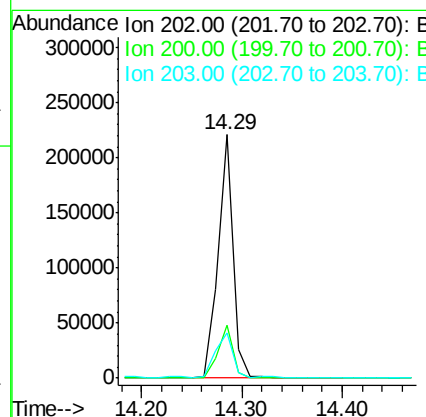
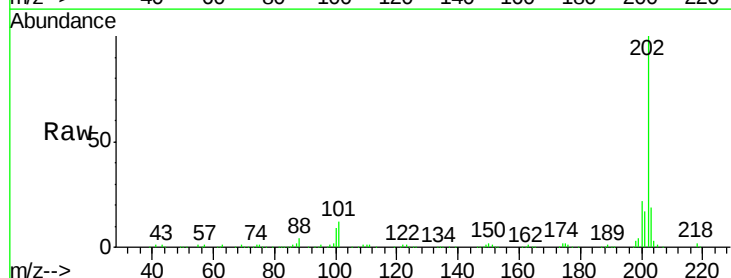
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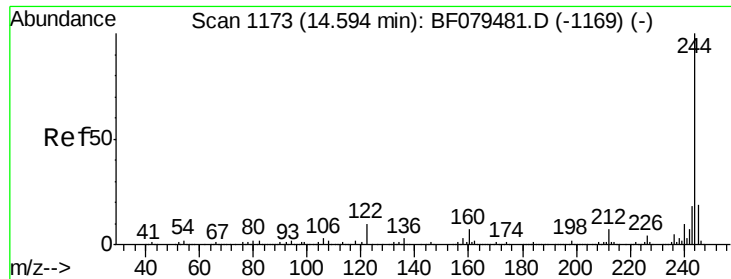
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#77
 Pyrene
 Concen: 14.51 ng
 RT: 14.29 min Scan# 1146
 Delta R.T. -0.03 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	230810		
200	21.5	17.5	26.3	
203	18.5	14.4	21.6	





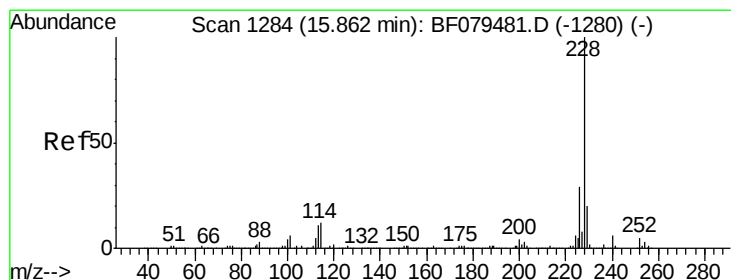
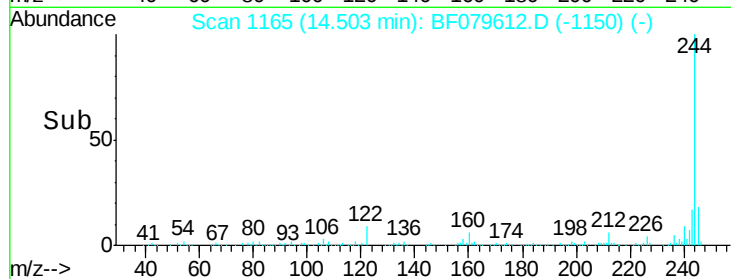
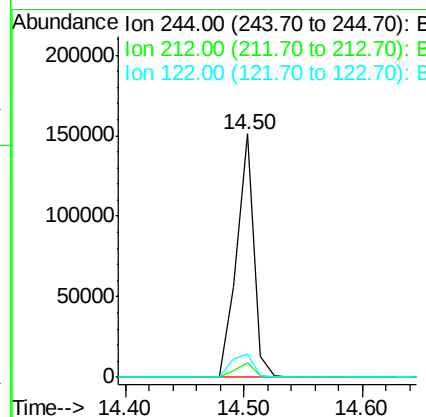
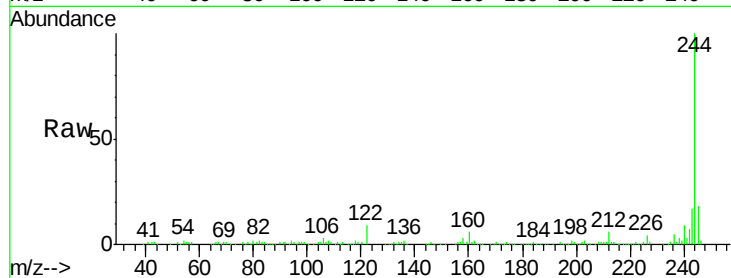
#78
 Terphenyl-d14
 Concen: 13.99 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.03 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.13(5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.2	5.2	7.8
122	9.4	8.0	12.0

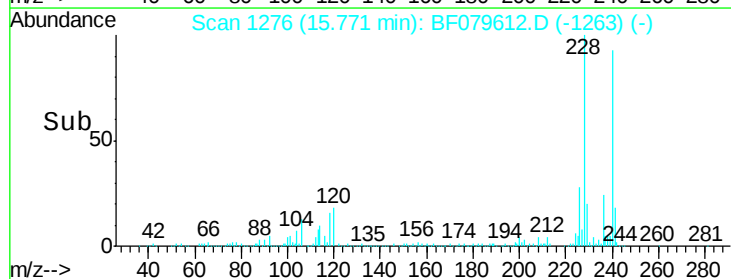
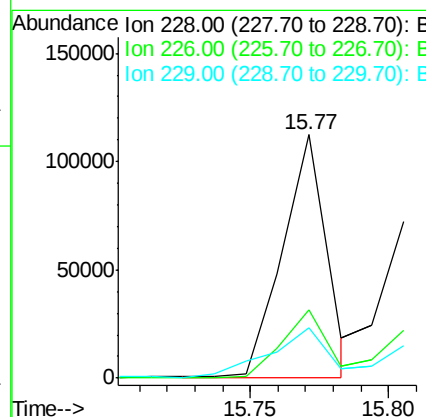
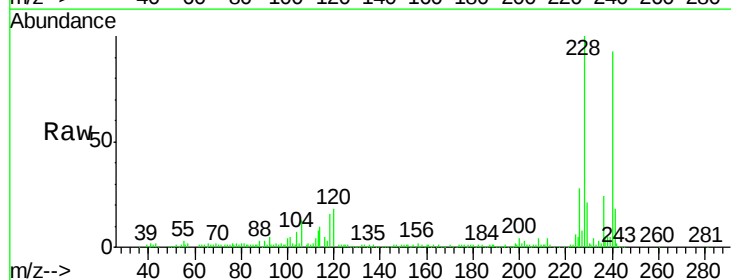
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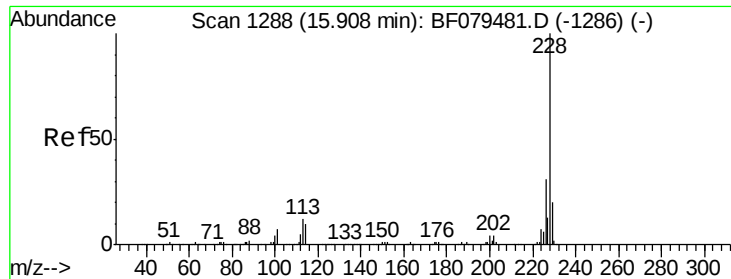
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#80
 Benzo(a)anthracene
 Concen: 8.45 ng m
 RT: 15.77 min Scan# 1276
 Delta R.T. -0.06 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.9	22.8	34.2
229	20.7	15.9	23.9





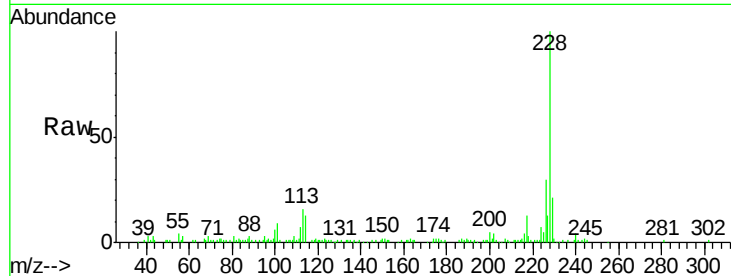
#82
Chrysene
Concen: 8.48 ng m
RT: 15.81 min Scan# 1279
Delta R.T. -0.07 min
Lab File: BF079612.D
Acq: 30 May 2015 19:41

Instrument :
BNA_F
ClientSampleId :
PENRD8.13(5)

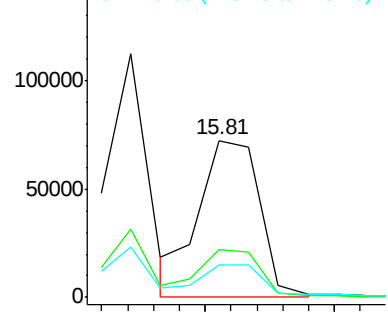
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	119050		
226	30.2	25.0	37.4	
229	20.9	15.9	23.9	

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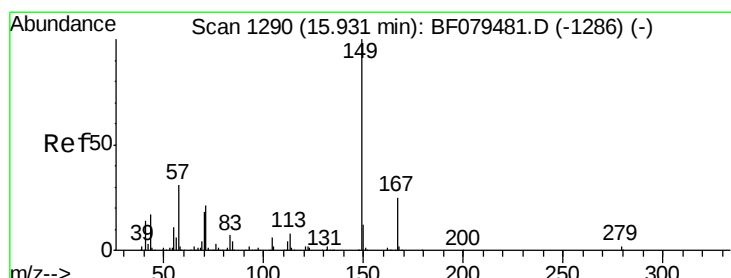
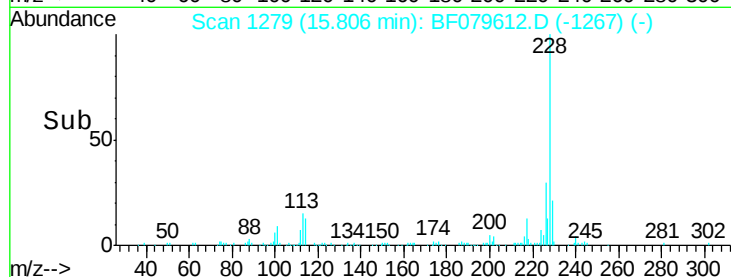
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

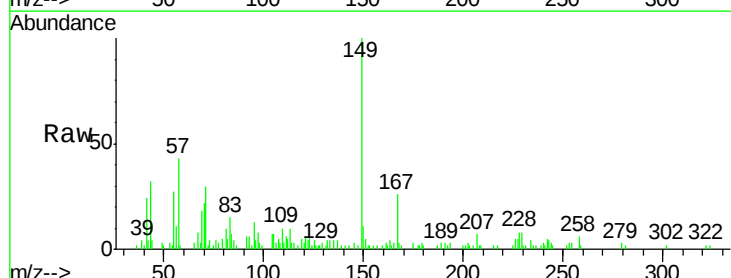


Time-->

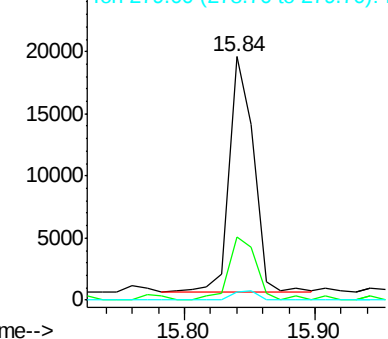


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.39 ng
RT: 15.84 min Scan# 1282
Delta R.T. -0.07 min
Lab File: BF079612.D
Acq: 30 May 2015 19:41

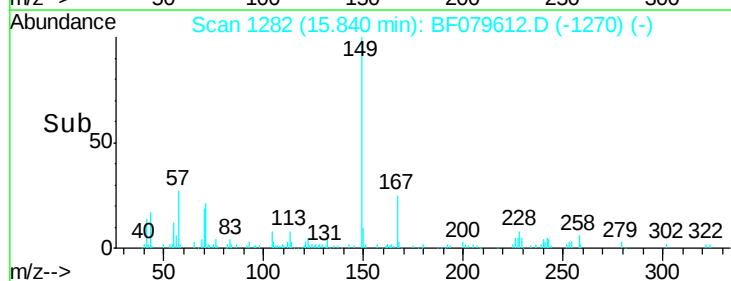
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	24524		
167	25.7	20.2	30.4	
279	3.1	2.0	3.0#	

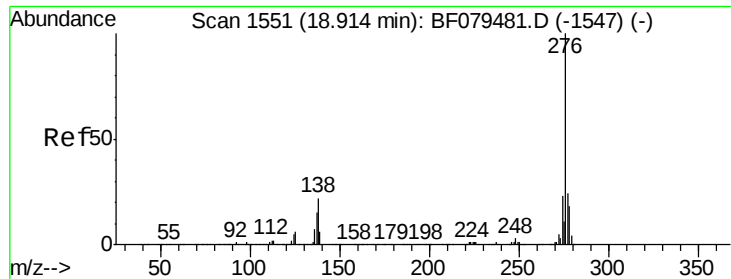


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





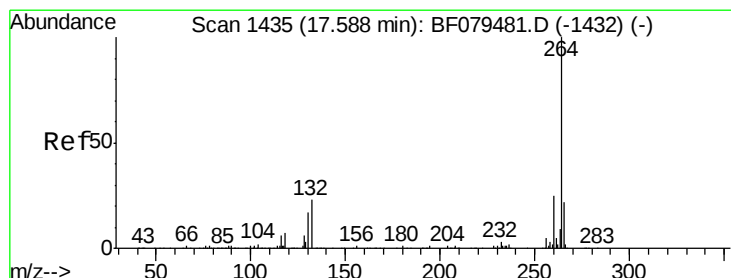
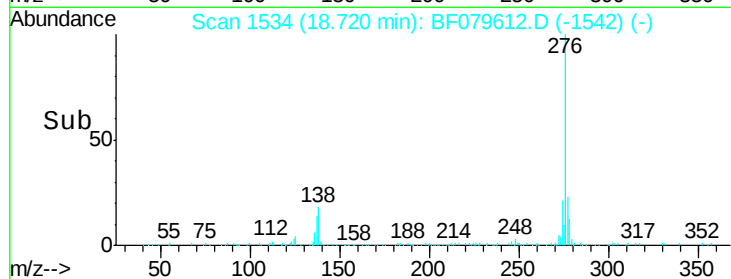
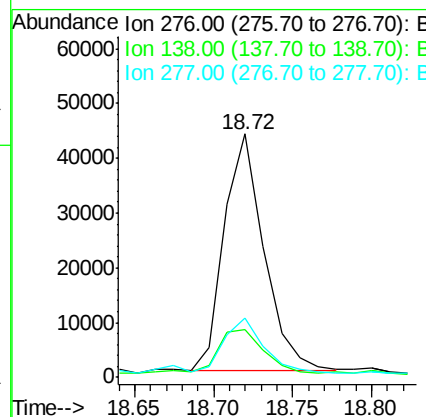
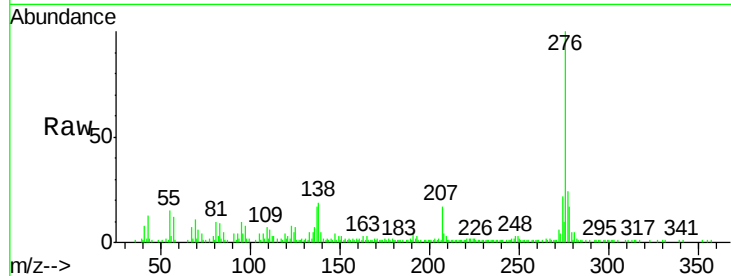
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.20 ng m
 RT: 18.72 min Scan# 1534
 Delta R.T. -0.30 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.13(5)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	21.4	32.2#
277	20.2	19.8	29.6

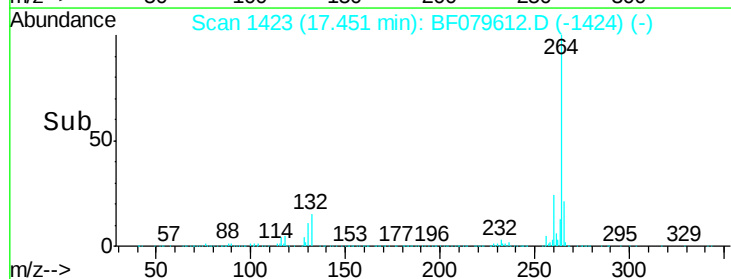
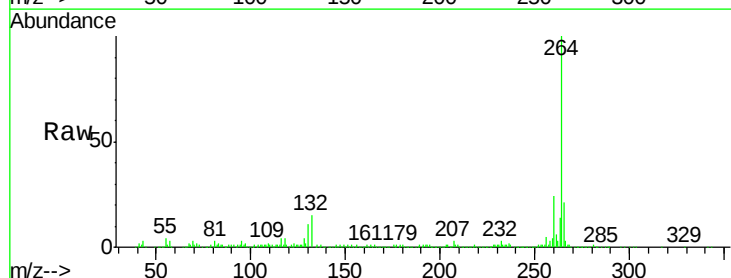
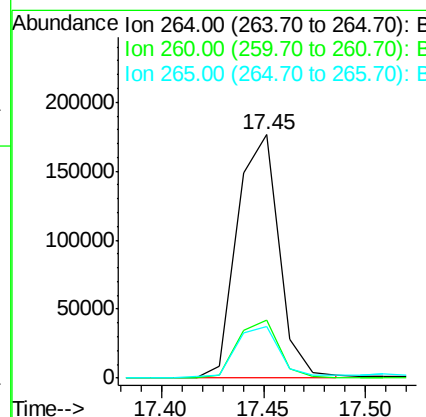
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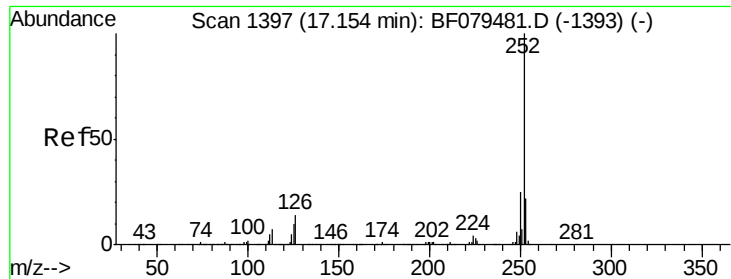
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#86
 Perylene-d12
 Concen: 20.00 ng m
 RT: 17.45 min Scan# 1423
 Delta R.T. -0.22 min
 Lab File: BF079612.D
 Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.8
265	21.3	17.8	26.6





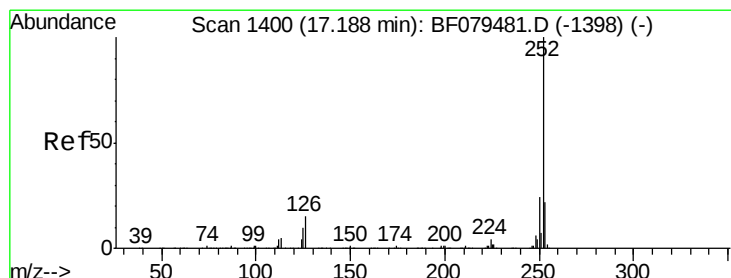
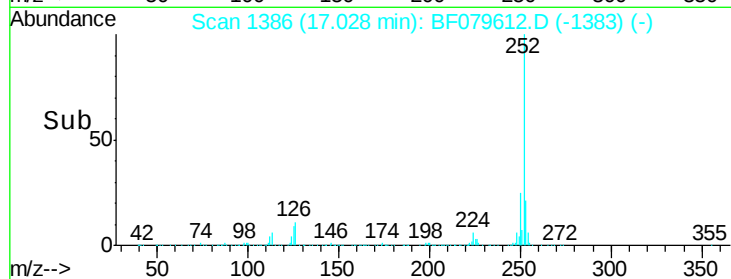
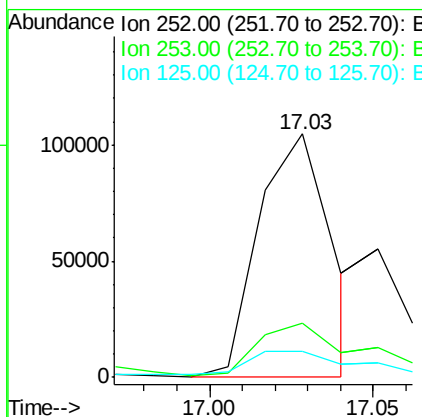
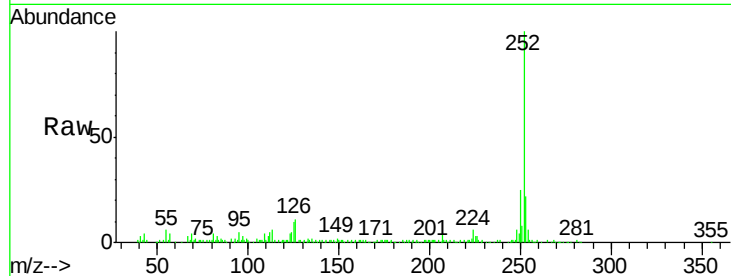
#87
Benzo(b)fluoranthene
Concen: 11.20 ng m
RT: 17.03 min Scan# 1386
Delta R.T. -0.17 min
Lab File: BF079612.D
Acq: 30 May 2015 19:41

Instrument :
BNA_F
ClientSampleId :
PENRD8.13(5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.5	7.8	11.6

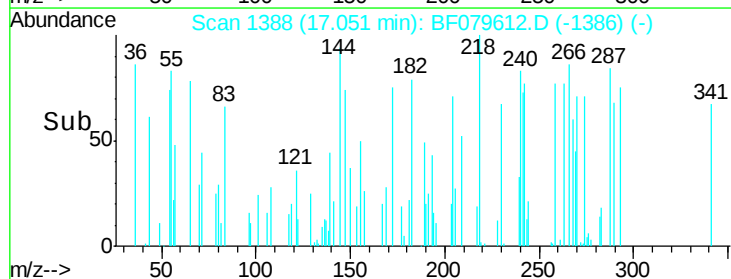
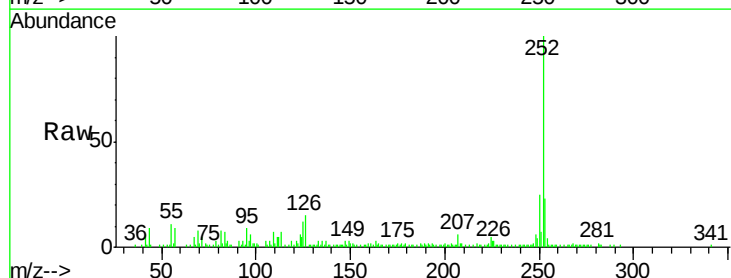
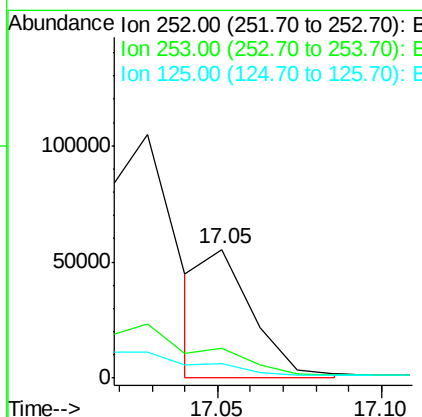
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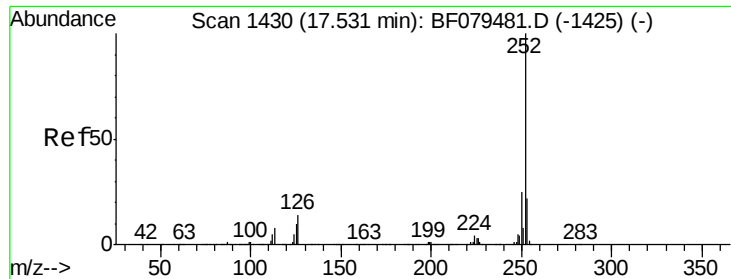
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#88
Benzo(k)fluoranthene
Concen: 4.35 ng m
RT: 17.05 min Scan# 1388
Delta R.T. -0.18 min
Lab File: BF079612.D
Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	11.6	6.8	10.2





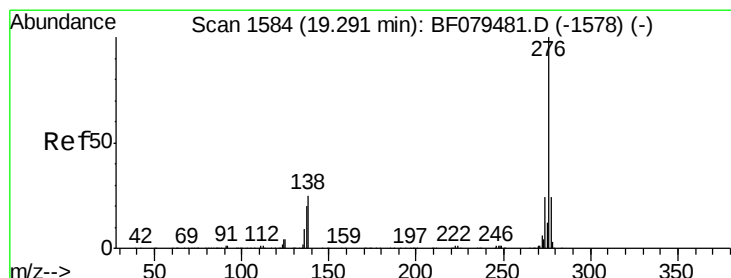
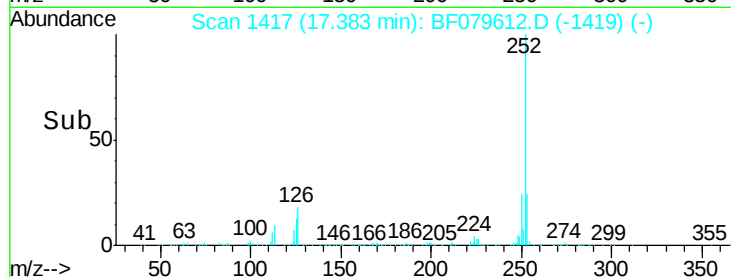
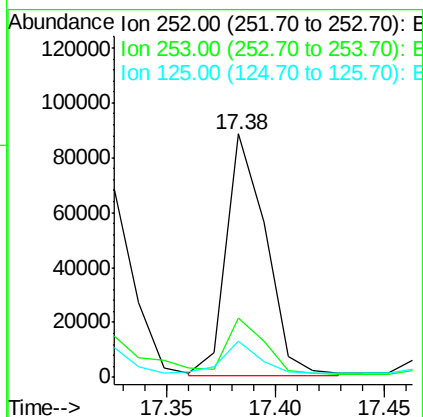
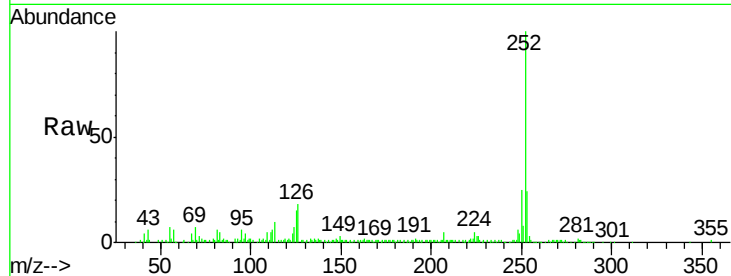
#89
Benzo(a)pyrene
Concen: 7.16 ng
RT: 17.38 min Scan# 1417
Delta R.T. -0.23 min
Lab File: BF079612.D
Acq: 30 May 2015 19:41

Instrument :
BNA_F
ClientSampleId :
PENRD8.13(5)

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	17.8	26.8
125	14.6	7.9	11.9

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#91
Benzo(g,h,i)perylene
Concen: 3.30 ng
RT: 19.09 min Scan# 1566
Delta R.T. -0.32 min
Lab File: BF079612.D
Acq: 30 May 2015 19:41

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	22.9	19.1	28.7
138	22.2	20.1	30.1

