

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079615.D
 Acq On : 30 May 2015 21:08
 Operator : TP/IZ
 Sample : G2420-32 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

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Quant Time: Jun 01 03:03:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 02:59:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	67924	20.00	ng	0.00
21) Naphthalene-d8	8.51	136	272354	20.00	ng	0.00
38) Acenaphthene-d10	10.67	164	131885	20.00	ng	0.00
63) Phenanthrene-d10	12.50	188	247722	20.00	ng	-0.01
75) Chrysene-d12	15.78	240	265755	20.00	ng	0.00
86) Perylene-d12	17.45	264	263350	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	195740	49.98	ng	0.01
7) Phenol-d6	6.54	99	261064	52.30	ng	0.00
23) Nitrobenzene-d5	7.63	82	146723	31.14	ng	0.00
41) 2,4,6-Tribromophenol	11.66	330	71519	49.37	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	307372	33.25	ng	0.00
78) Terphenyl-d14	14.50	244	363795	32.13	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.38	163	26033	2.68	ng	# 98
70) Phenanthrene	12.54	178	74507	5.48	ng	100
74) Fluoranthene	14.01	202	124321	8.53	ng	99
77) Pyrene	14.29	202	114619	6.96	ng	98
80) Benzo(a)anthracene	15.77	228	69689	4.56	ng	97
82) Chrysene	15.82	228	51998	3.58	ng	96
85) Indeno(1,2,3-cd)pyrene	18.72	276	37690m	2.02	ng	
87) Benzo(b)fluoranthene	17.03	252	80216m	5.34	ng	
88) Benzo(k)fluoranthene	17.05	252	31609m	2.35	ng	
89) Benzo(a)pyrene	17.38	252	55761	2.41	ng	# 93

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

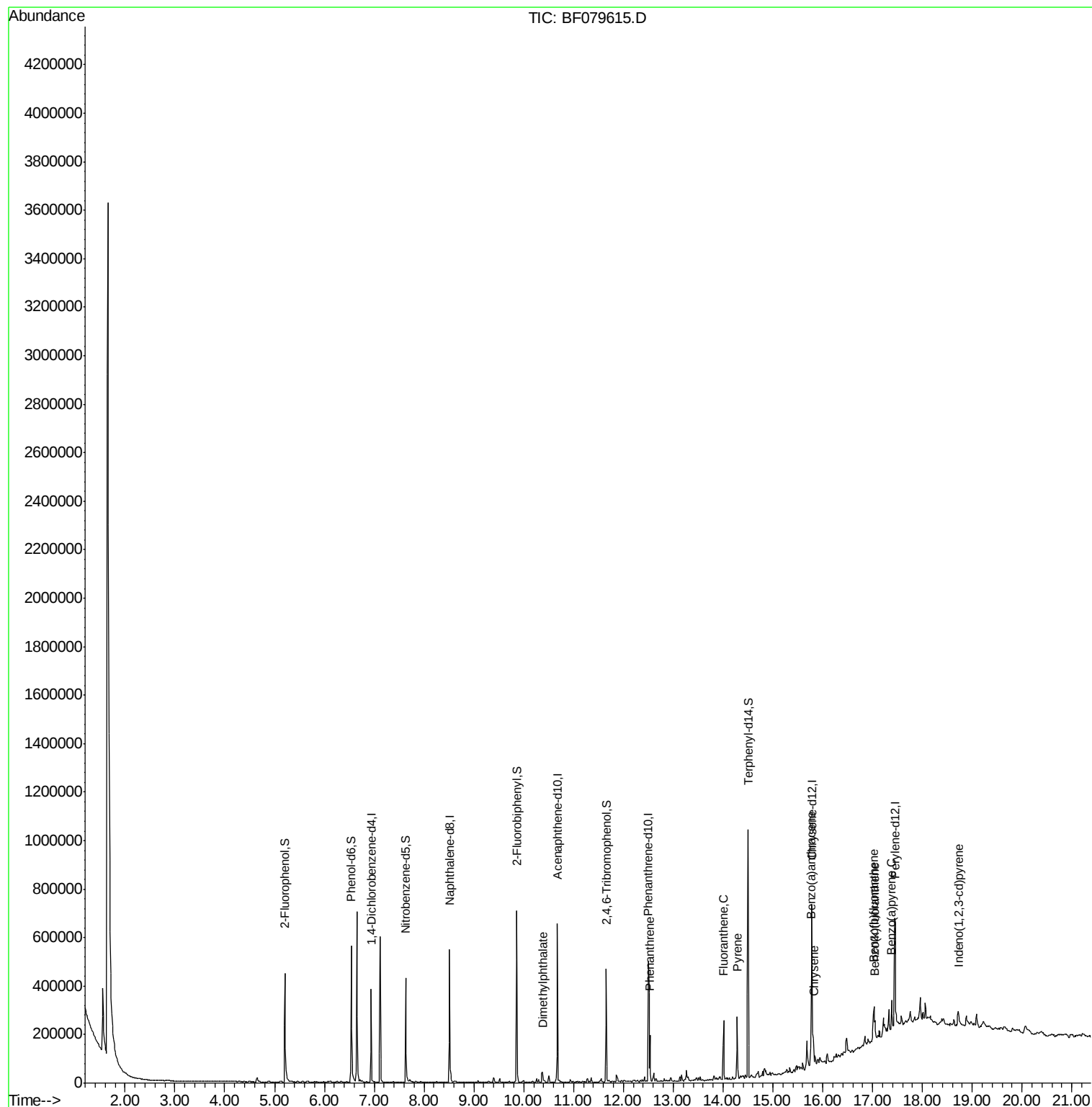
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
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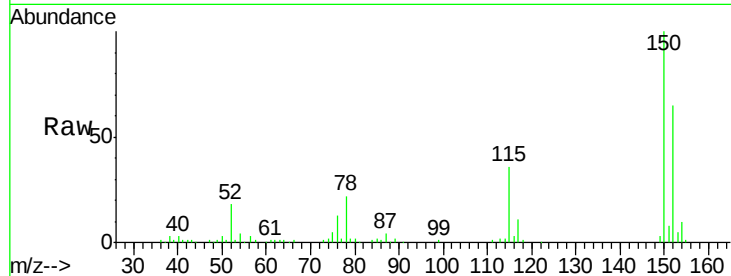
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

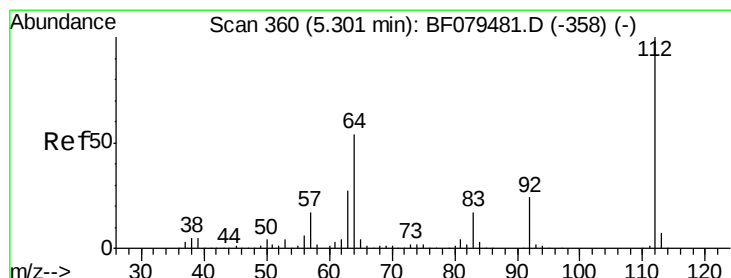
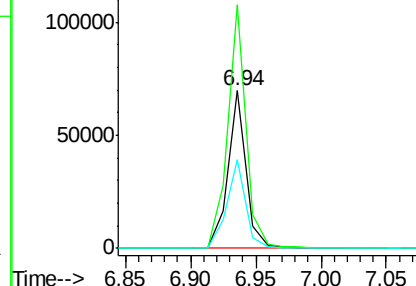
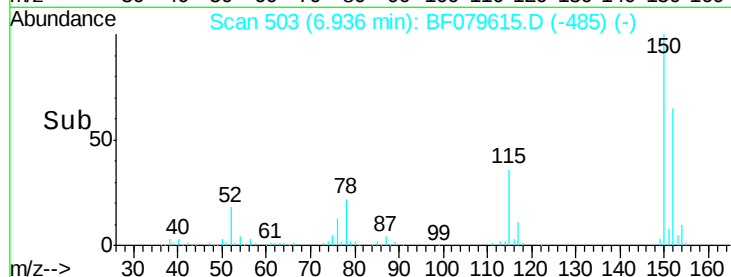
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.0	186.0
115	55.9	49.6	74.4

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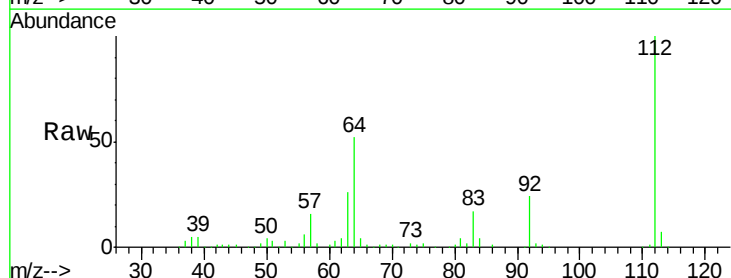


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

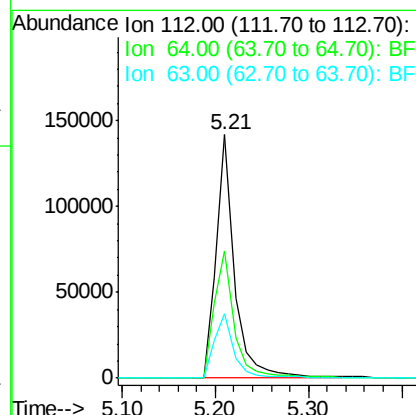
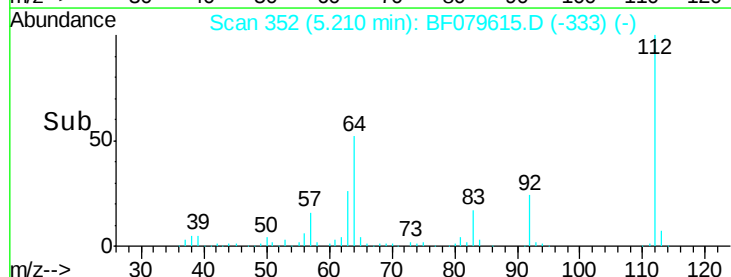


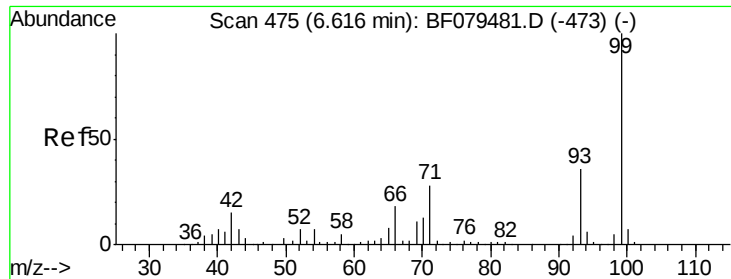
#5
 2-Fluorophenol
 Concen: 49.98 ng
 RT: 5.21 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	43.5	65.3
63	26.3	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: 52.30 ng

RT: 6.54 min Scan# 468

Delta R.T. 0.00 min

Lab File: BF079615.D

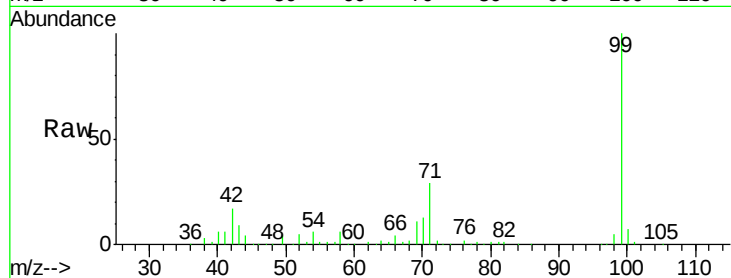
Acq: 30 May 2015 21:08

Instrument :

BNA_F

ClientSampleId :

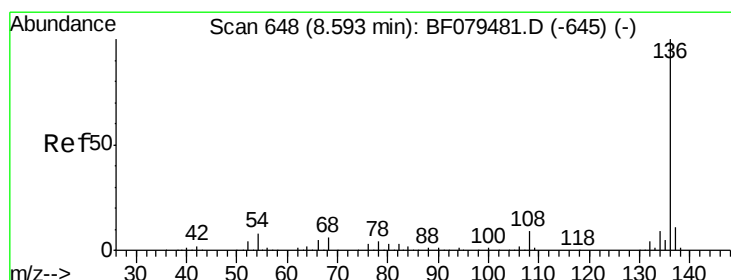
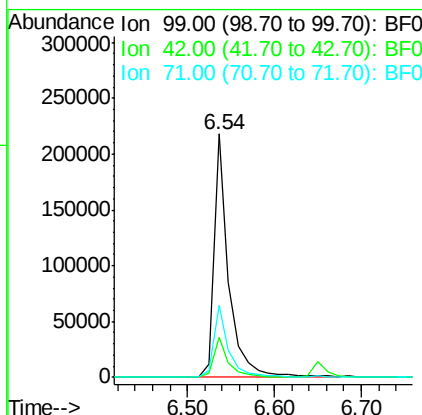
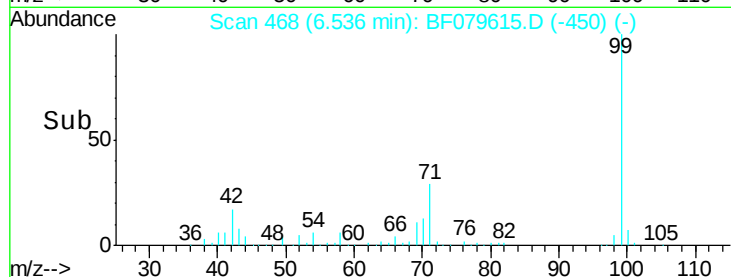
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		261064		
42	16.7	11.9	17.9		
71	29.4	22.1	33.1		

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#21

Naphthalene-d8

Concen: 20.00 ng

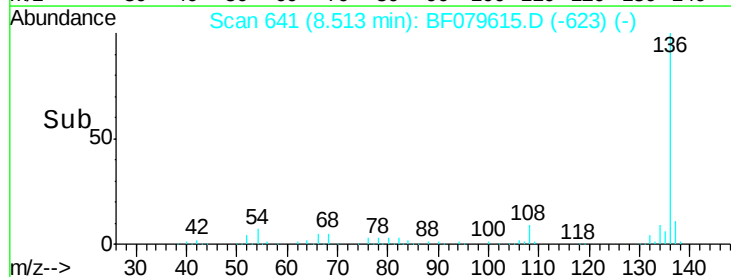
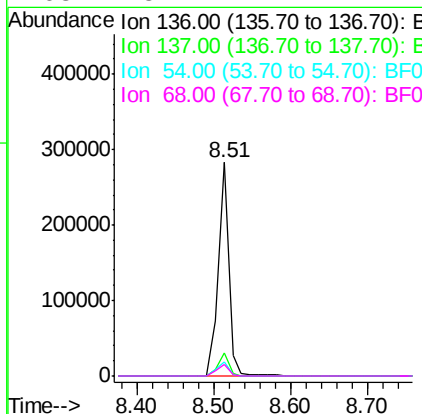
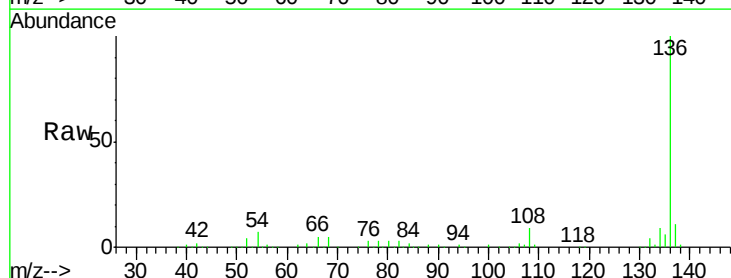
RT: 8.51 min Scan# 641

Delta R.T. 0.00 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		272354		
137	10.6	8.5	12.7		
54	6.6	6.6	9.8		
68	5.1	4.7	7.1		





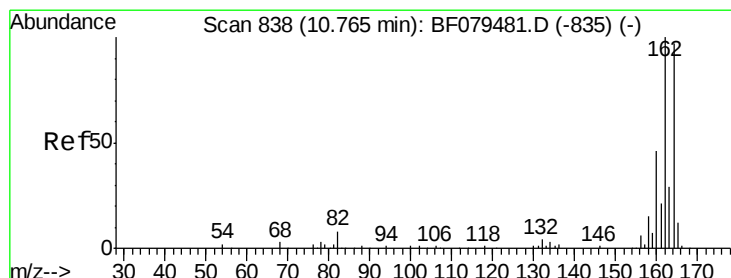
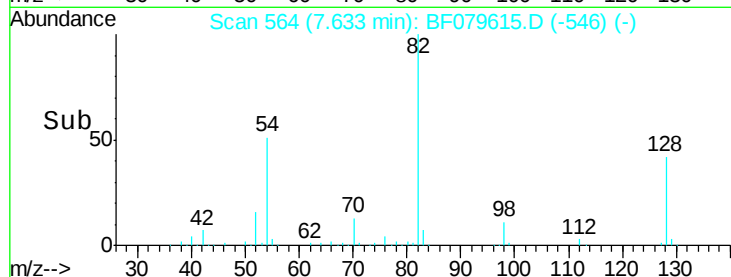
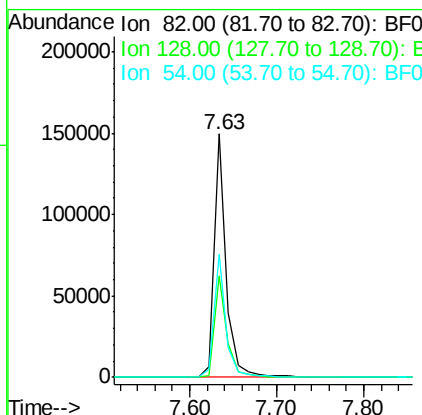
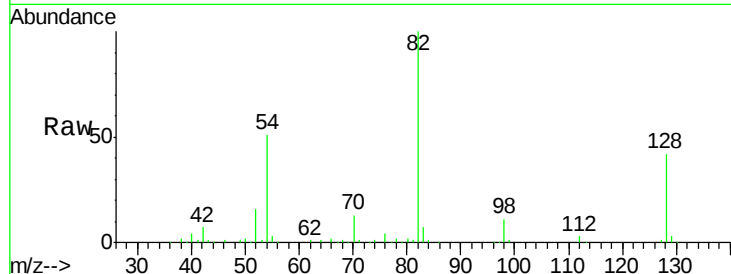
#23
 Nitrobenzene-d5
 Concen: 31.14 ng
 RT: 7.63 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	146723		
128	41.8	30.8	46.2	
54	50.9	42.8	64.2	

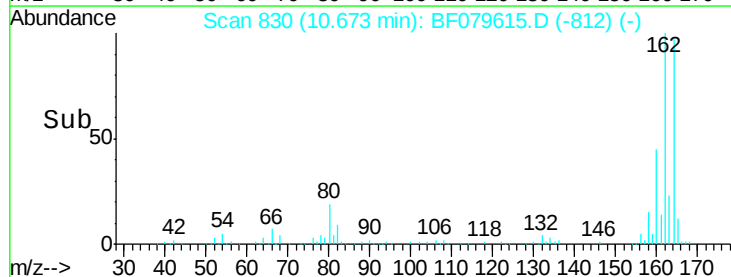
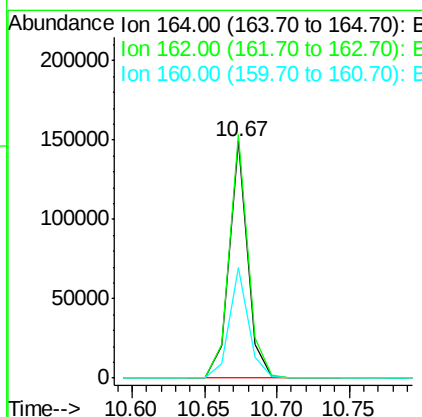
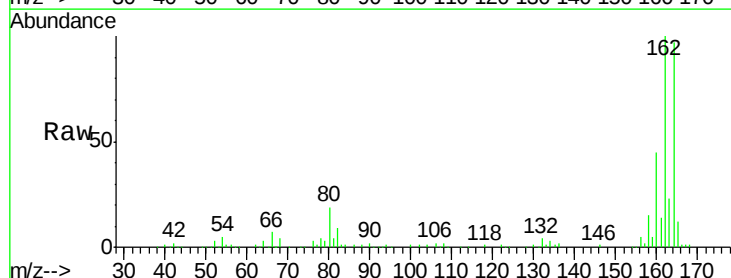
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131885		
162	102.7	82.6	124.0	
160	46.5	37.7	56.5	





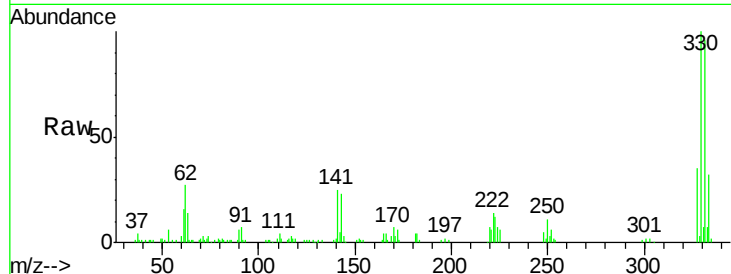
#41
 2,4,6-Tribromophenol
 Concen: 49.37 ng
 RT: 11.66 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

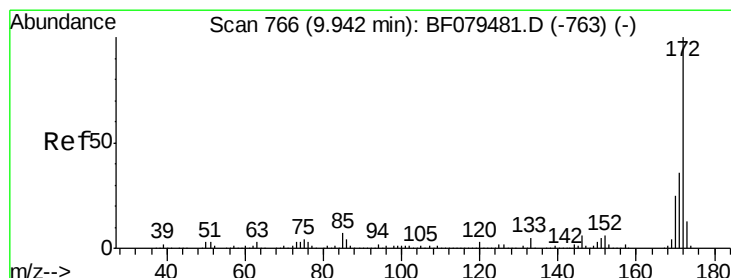
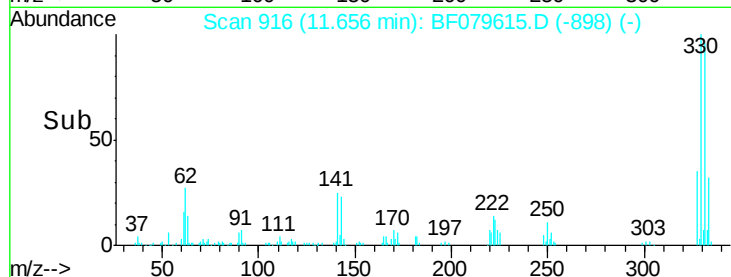
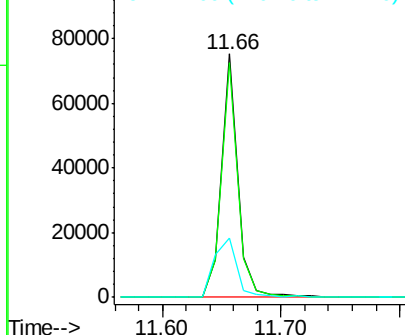
Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.6	0.0	0.0#
141	34.2	0.0	0.0#

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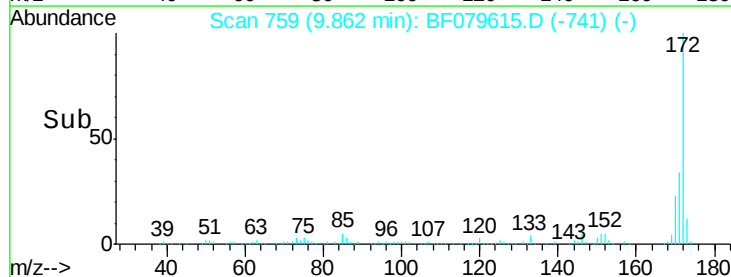
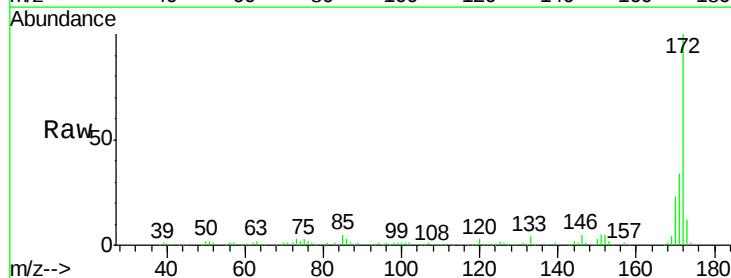
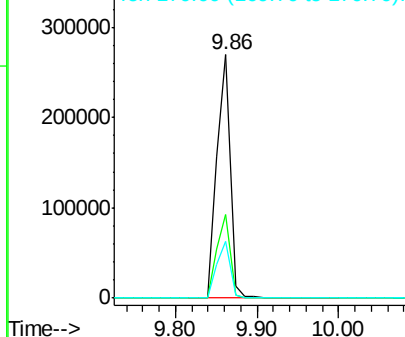
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

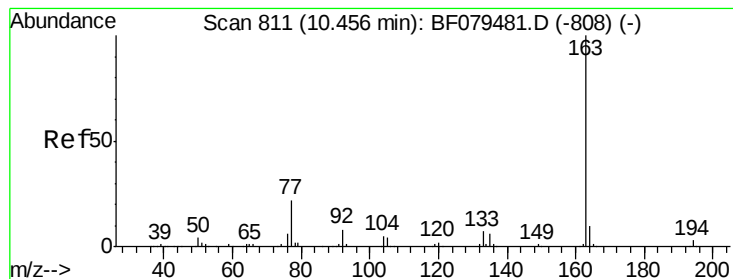


#44
 2-Fluorobiphenyl
 Concen: 33.25 ng
 RT: 9.86 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.3	28.5	42.7
170	23.4	19.7	29.5

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





#49

Dimethylphthalate

Concen: 2.68 ng

RT: 10.38 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Instrument :

BNA_F

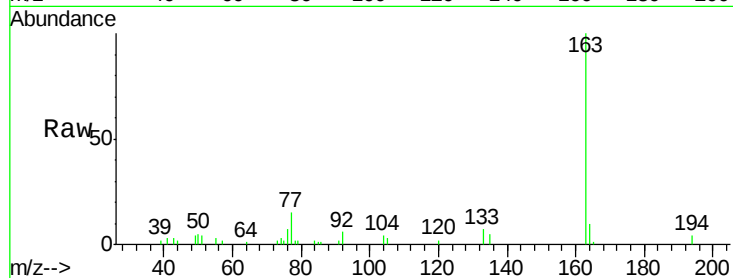
ClientSampleId :

PENRD8.18(5)

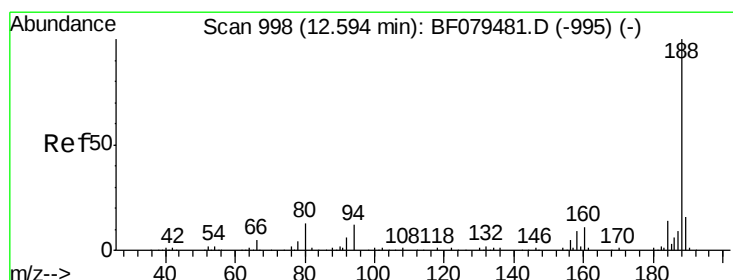
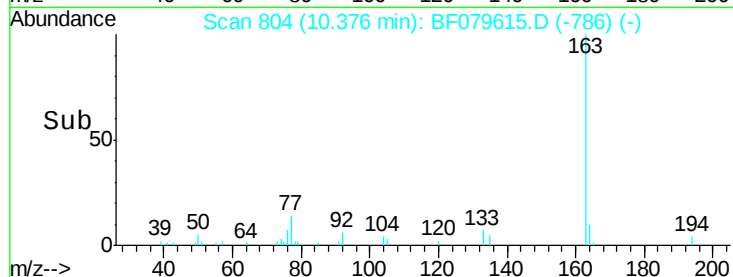
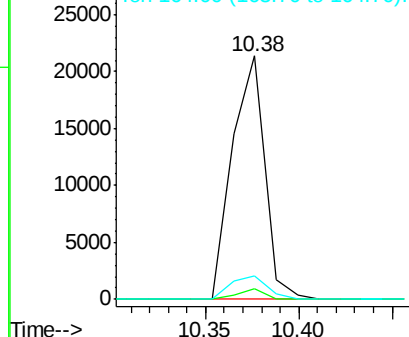
Tgt Ion:	163	Resp:	26033
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.4	3.6#
164	9.9	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

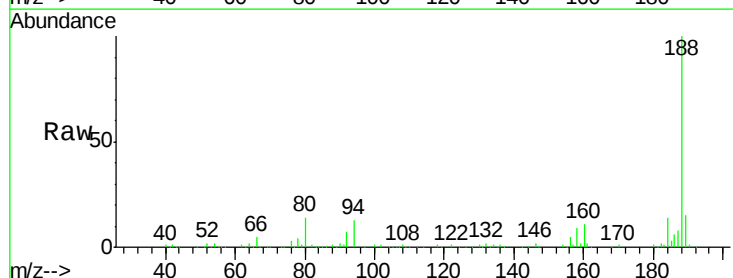
RT: 12.50 min Scan# 990

Delta R.T. -0.01 min

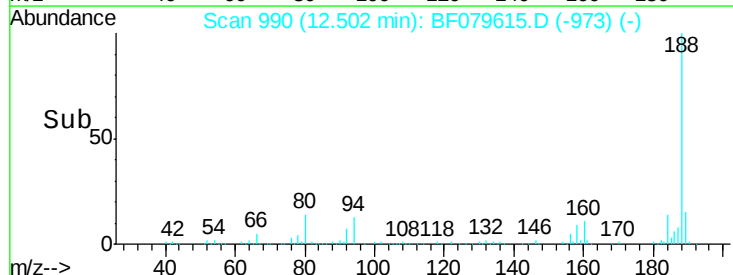
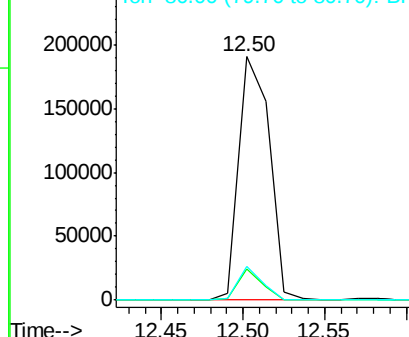
Lab File: BF079615.D

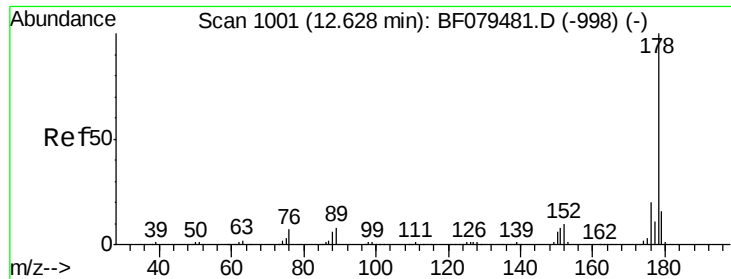
Acq: 30 May 2015 21:08

Tgt Ion:	188	Resp:	247722
Ion Ratio	Lower	Upper	
188	100		
94	12.6	9.8	14.6
80	13.9	10.5	15.7



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





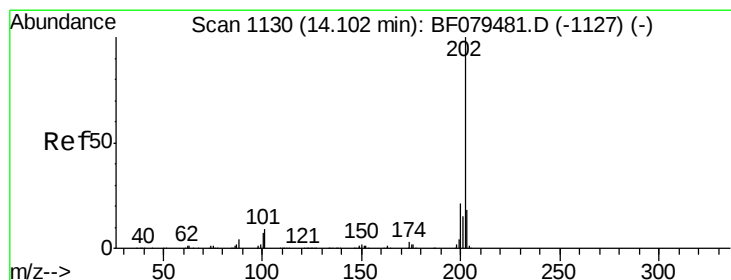
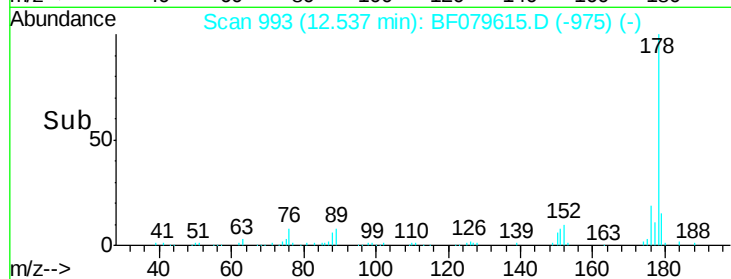
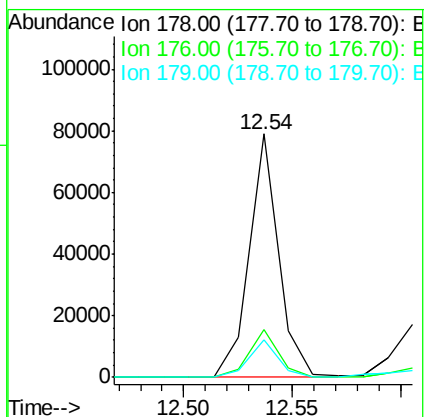
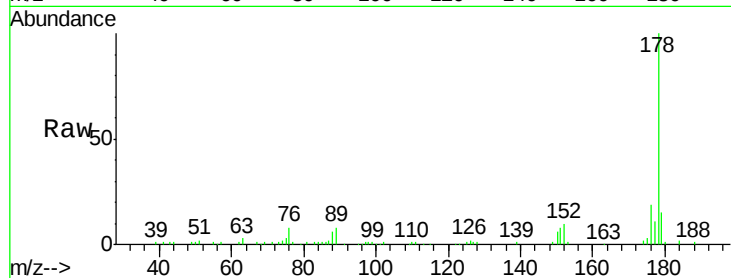
#70
Phenanthrene
Concen: 5.48 ng
RT: 12.54 min Scan# 993
Delta R.T. 0.00 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Instrument :
BNA_F
ClientSampleId :
PENRD8.18(5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.3	12.4	18.6

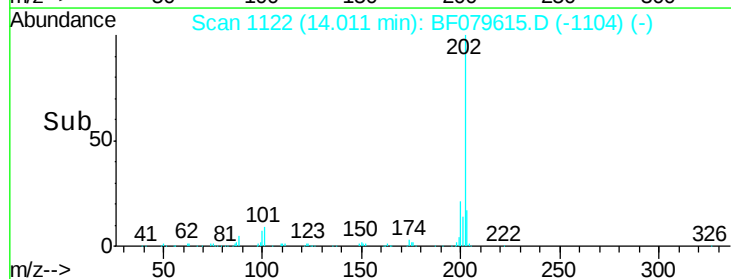
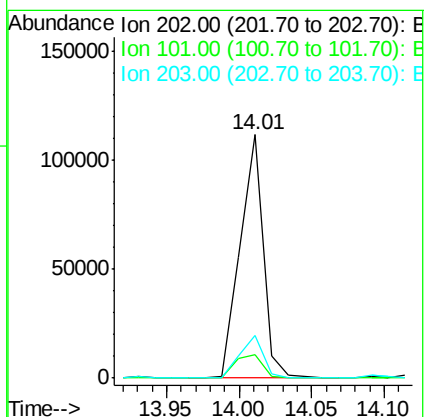
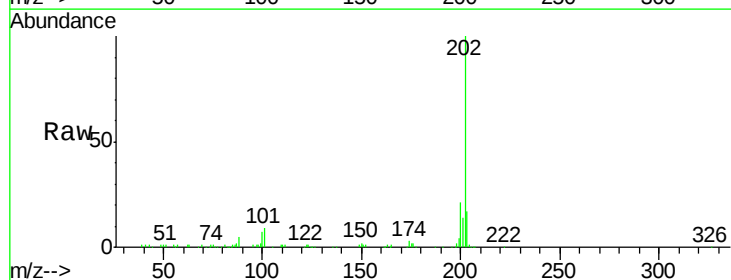
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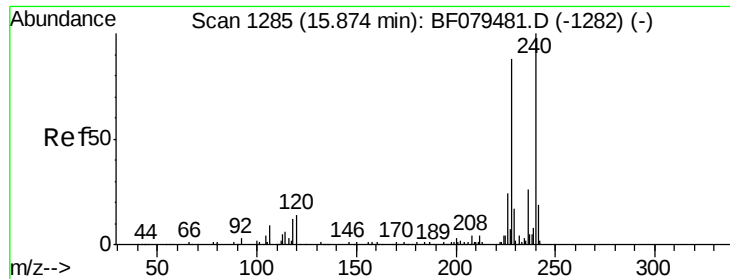
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#74
Fluoranthene
Concen: 8.53 ng
RT: 14.01 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.3
203	17.3	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.78 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Instrument :

BNA_F

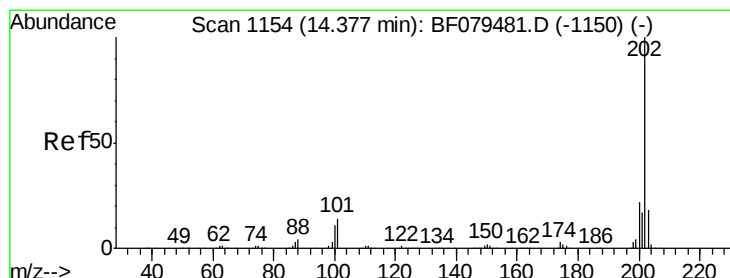
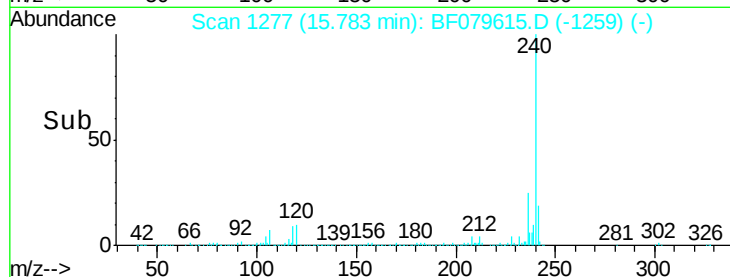
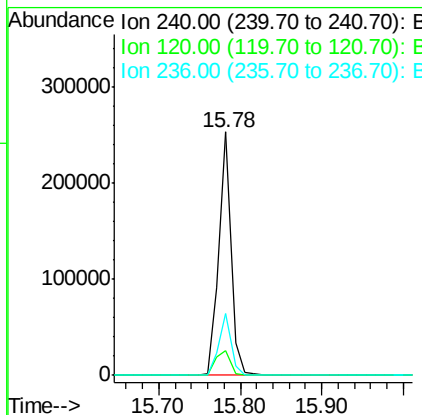
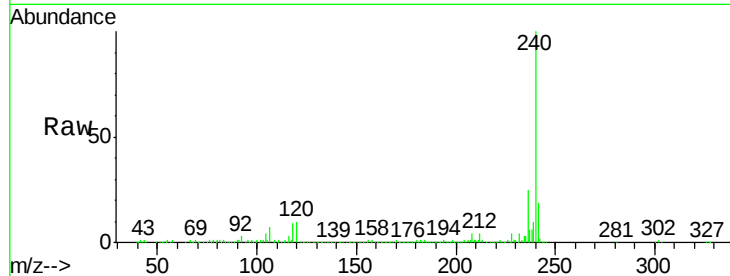
ClientSampleId :

PENRD8.18(5)

Tgt Ion:	240	Resp:	265755
Ion Ratio		Lower	Upper
240	100		
120	10.4	10.8	16.2#
236	25.4	21.0	31.6

Manual Integrations
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#77

Pyrene

Concen: 6.96 ng

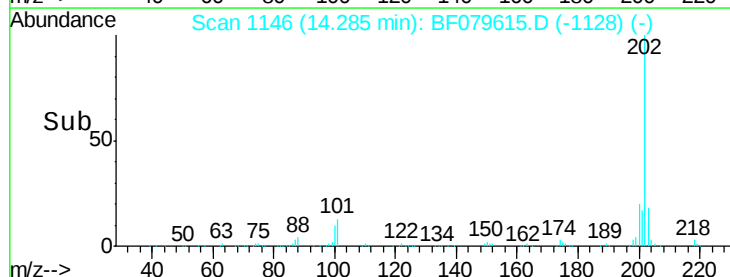
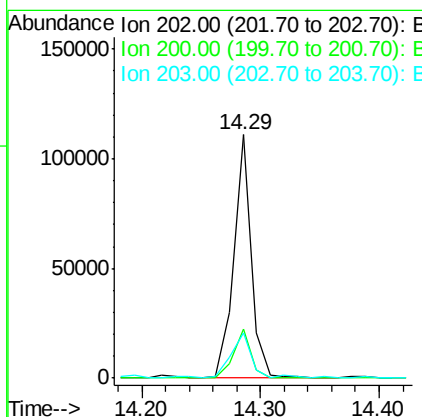
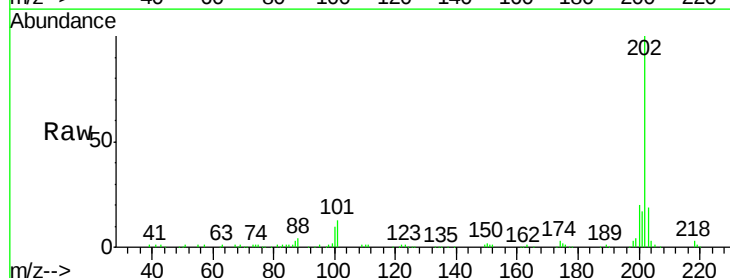
RT: 14.29 min Scan# 1146

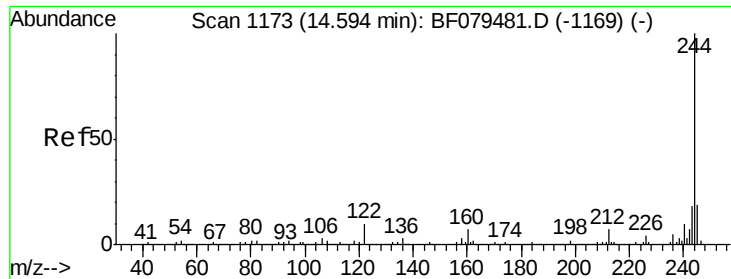
Delta R.T. 0.00 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Tgt Ion:	202	Resp:	114619
Ion Ratio		Lower	Upper
202	100		
200	20.3	17.5	26.3
203	18.6	14.4	21.6





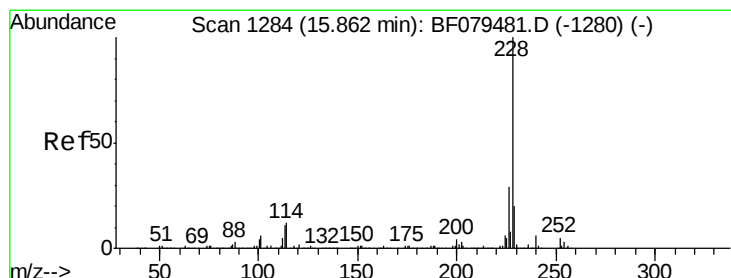
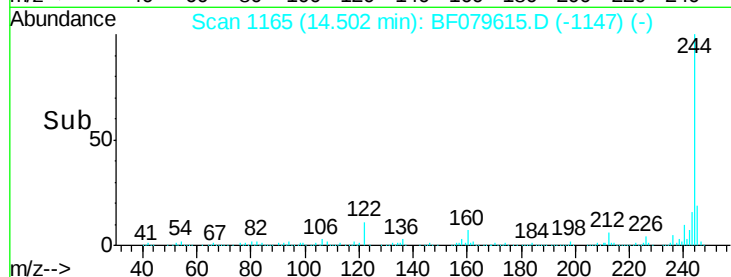
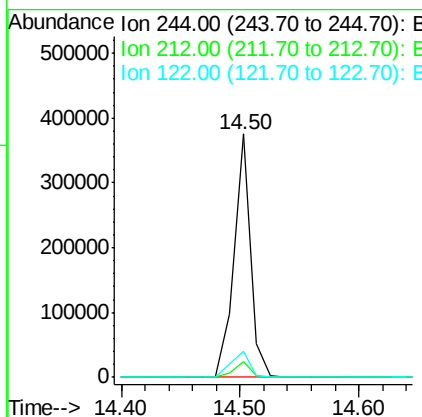
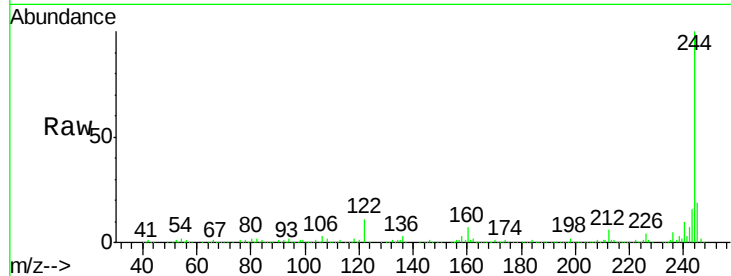
#78
 Terphenyl-d14
 Concen: 32.13 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	5.2	7.8
122	10.6	8.0	12.0

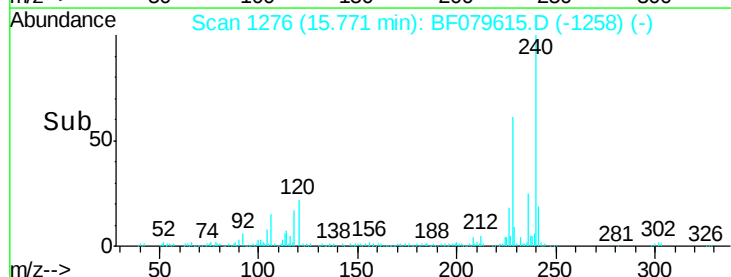
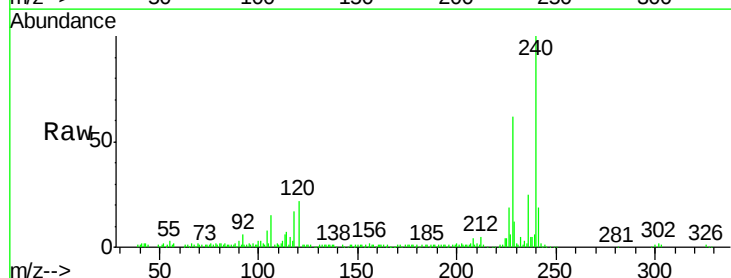
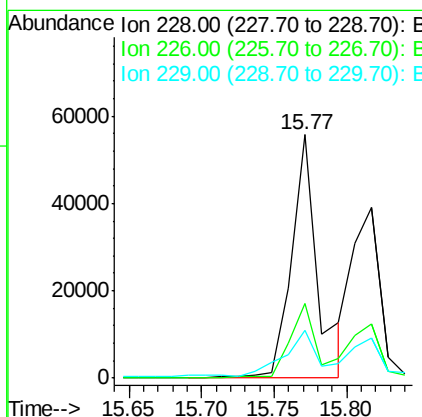
Manual Integrations
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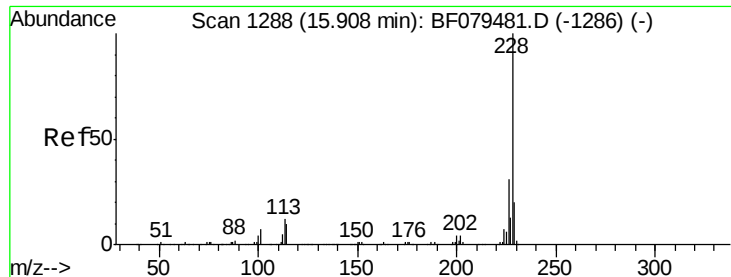
apatel
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#80
 Benzo(a)anthracene
 Concen: 4.56 ng
 RT: 15.77 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.6	22.8	34.2
229	19.5	15.9	23.9





#82

Chrysene

Concen: 3.58 ng

RT: 15.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Instrument :

BNA_F

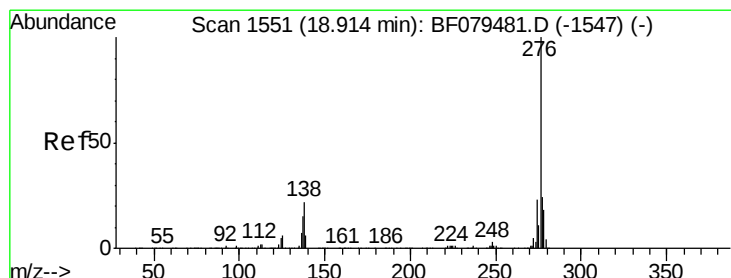
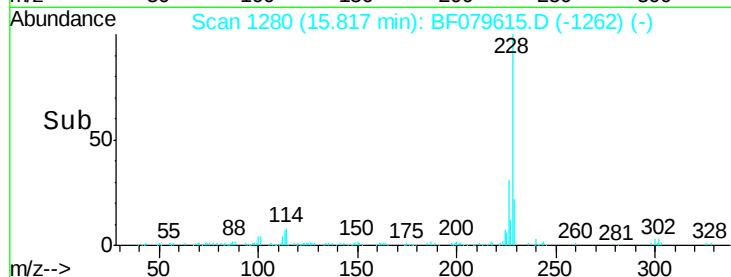
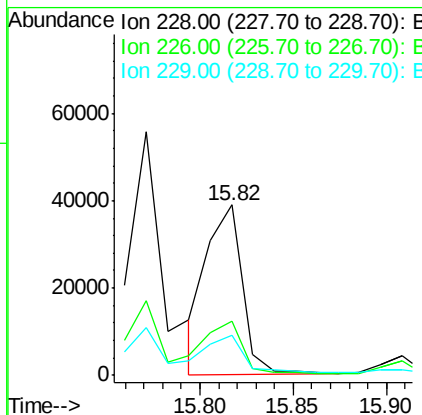
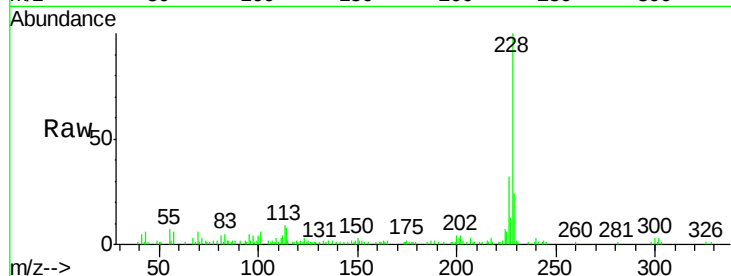
ClientSampleId :

PENRD8.18(5)

Tgt Ion:	228	Resp:	51998
Ion Ratio	Lower	Upper	
228	100		
226	31.9	25.0	37.4
229	23.6	15.9	23.9

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.02 ng m

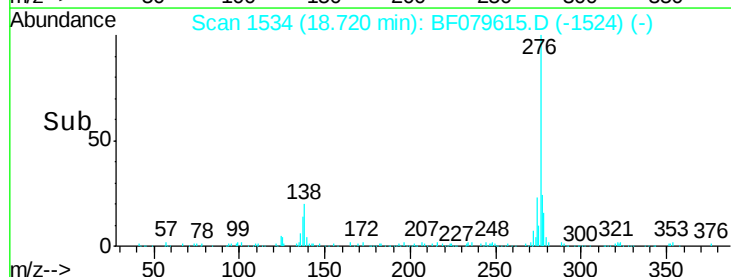
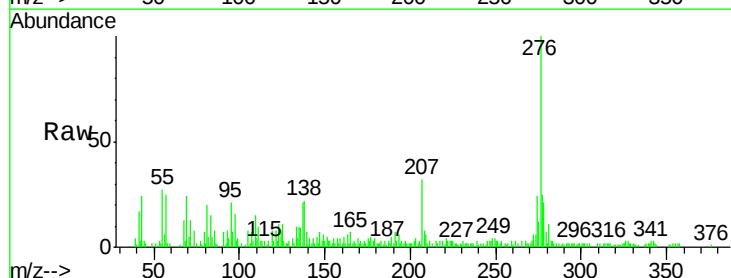
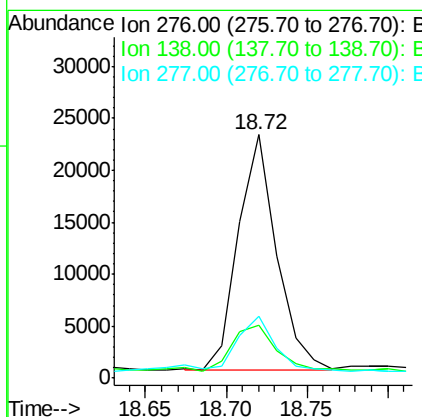
RT: 18.72 min Scan# 1534

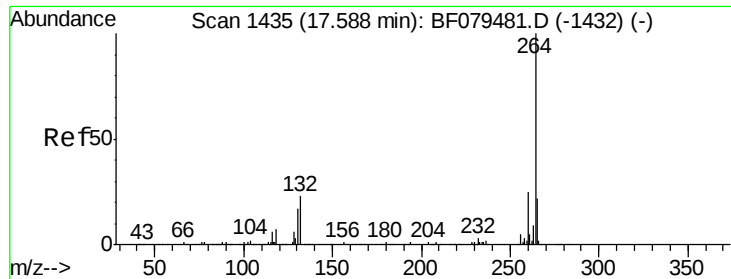
Delta R.T. -0.09 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Tgt Ion:	276	Resp:	37690
Ion Ratio	Lower	Upper	
276	100		
138	2.1	21.4	32.2#
277	2.0	19.8	29.6#





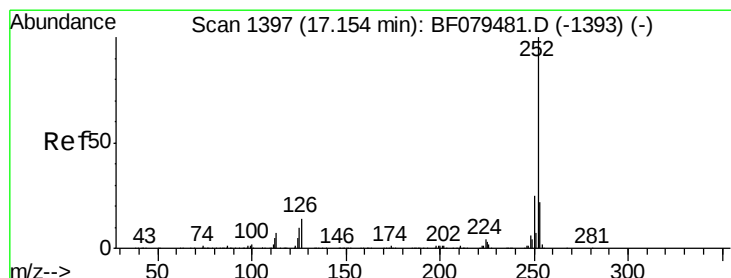
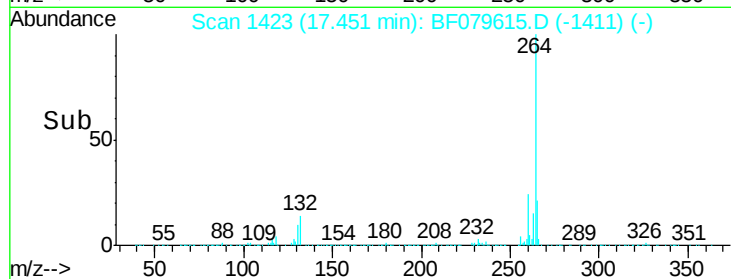
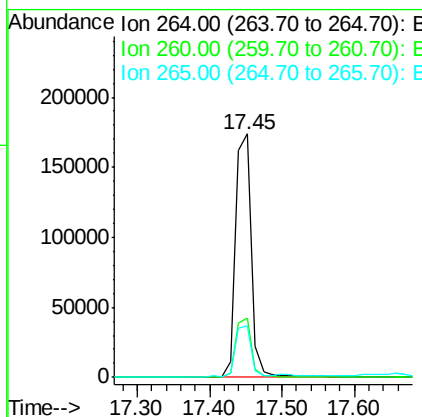
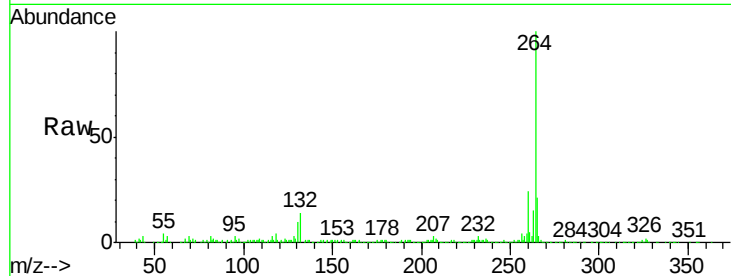
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.45 min Scan# 1423
Delta R.T. -0.07 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Instrument :
BNA_F
ClientSampleId :
PENRD8.18(5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.3	19.8	29.8
265	21.4	17.8	26.6

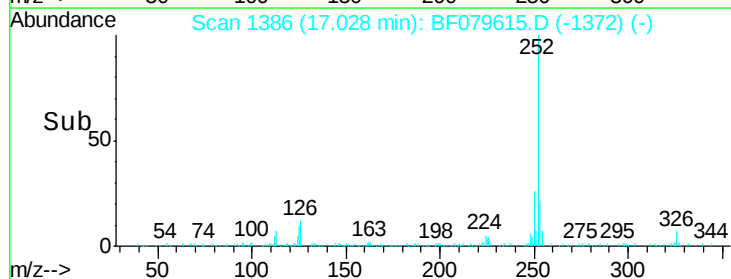
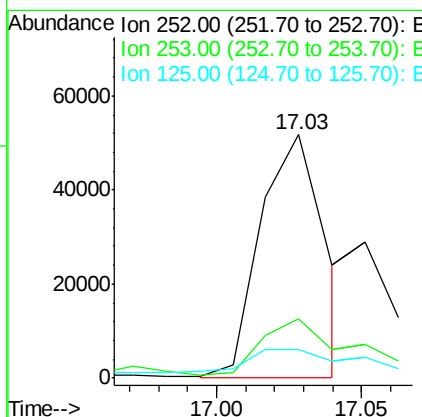
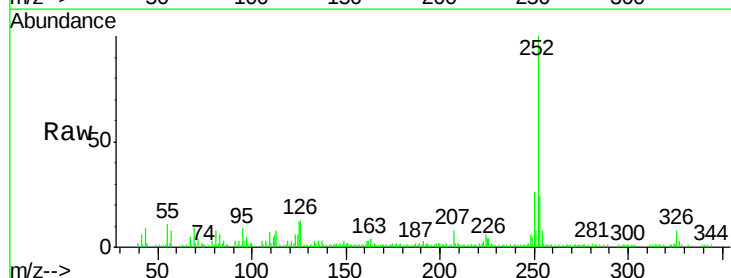
Manual Integrations
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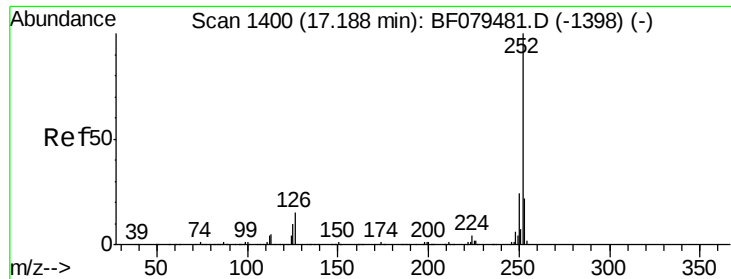
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#87
Benzo(b)fluoranthene
Concen: 5.34 ng m
RT: 17.03 min Scan# 1386
Delta R.T. -0.05 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.3	17.6	26.4
125	11.9	7.8	11.6#





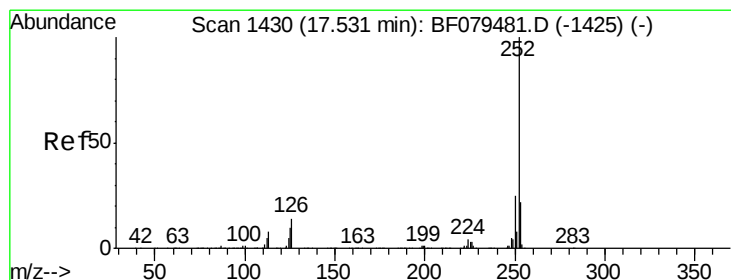
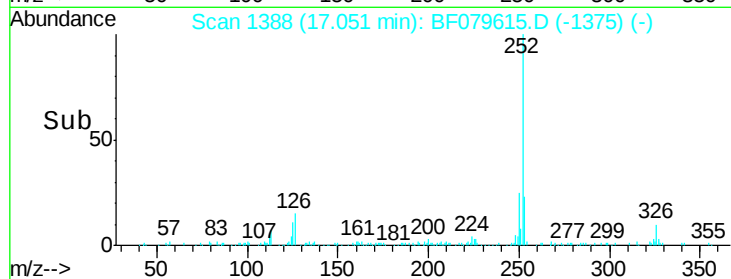
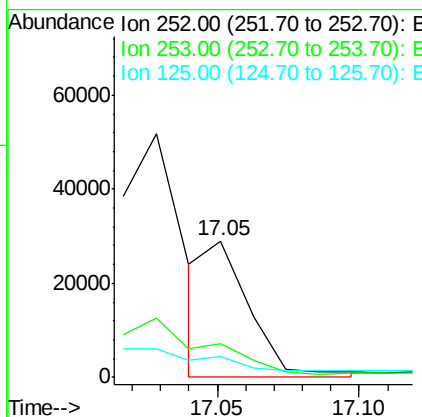
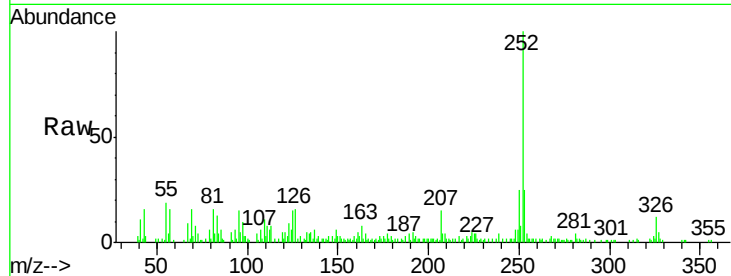
#88
Benzo(k)fluoranthene
Concen: 2.35 ng m
RT: 17.05 min Scan# 1388
Delta R.T. -0.06 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Instrument :
BNA_F
ClientSampleId :
PENRD8.18(5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	15.1	6.8	10.2

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.41 ng
RT: 17.38 min Scan# 1417
Delta R.T. -0.07 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	15.2	7.9	11.9

