

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079690.D
 Acq On : 4 Jun 2015 6:24
 Operator : TP/IZ
 Sample : G2427-09
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HB-9A-DEL3(0-2)

Manual Integrations
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apatel
 6/5/2015 8:10:48 AM

Quant Time: Jun 05 12:01:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 10:52:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	101277	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	389456	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	207609	20.00	ng	0.00
63) Phenanthrene-d10	12.11	188	408701	20.00	ng	-0.02
75) Chrysene-d12	15.18	240	424400	20.00	ng	-0.21
86) Perylene-d12	17.18	264	409164	20.00	ng	-0.31
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	443222	79.47	ng	0.00
7) Phenol-d6	7.11	99	598536	81.51	ng	0.00
23) Nitrobenzene-d5	8.08	82	316045	49.50	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	123041	71.81	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	760148	52.96	ng	0.00
78) Terphenyl-d14	13.84	244	869525	50.02	ng	-0.11
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.53	142	30832	2.27	ng	99
49) Dimethylphthalate	10.27	163	331554	21.80	ng	98
70) Phenanthrene	12.14	178	157036	6.95	ng	98
74) Fluoranthene	13.43	202	199868	8.20	ng	98
77) Pyrene	13.70	202	179540	7.35	ng	98
79) Butylbenzylphthalate	14.40	149	43712	7.26	ng	98
80) Benzo(a)anthracene	15.15	228	104475	4.50	ng	98
82) Chrysene	15.20	228	93134	3.99	ng	95
83) Bis(2-ethylhexyl)phthalate	15.12	149	128755	11.84	ng	# 96
85) Indeno(1,2,3-cd)pyrene	19.21	276	53570	2.35	ng	91
87) Benzo(b)fluoranthene	16.58	252	122977m	5.82	ng	
89) Benzo(a)pyrene	17.10	252	82404	3.99	ng	99
91) Benzo(a,h,i)perylene	19.83	276	45583	2.22	ng	98

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

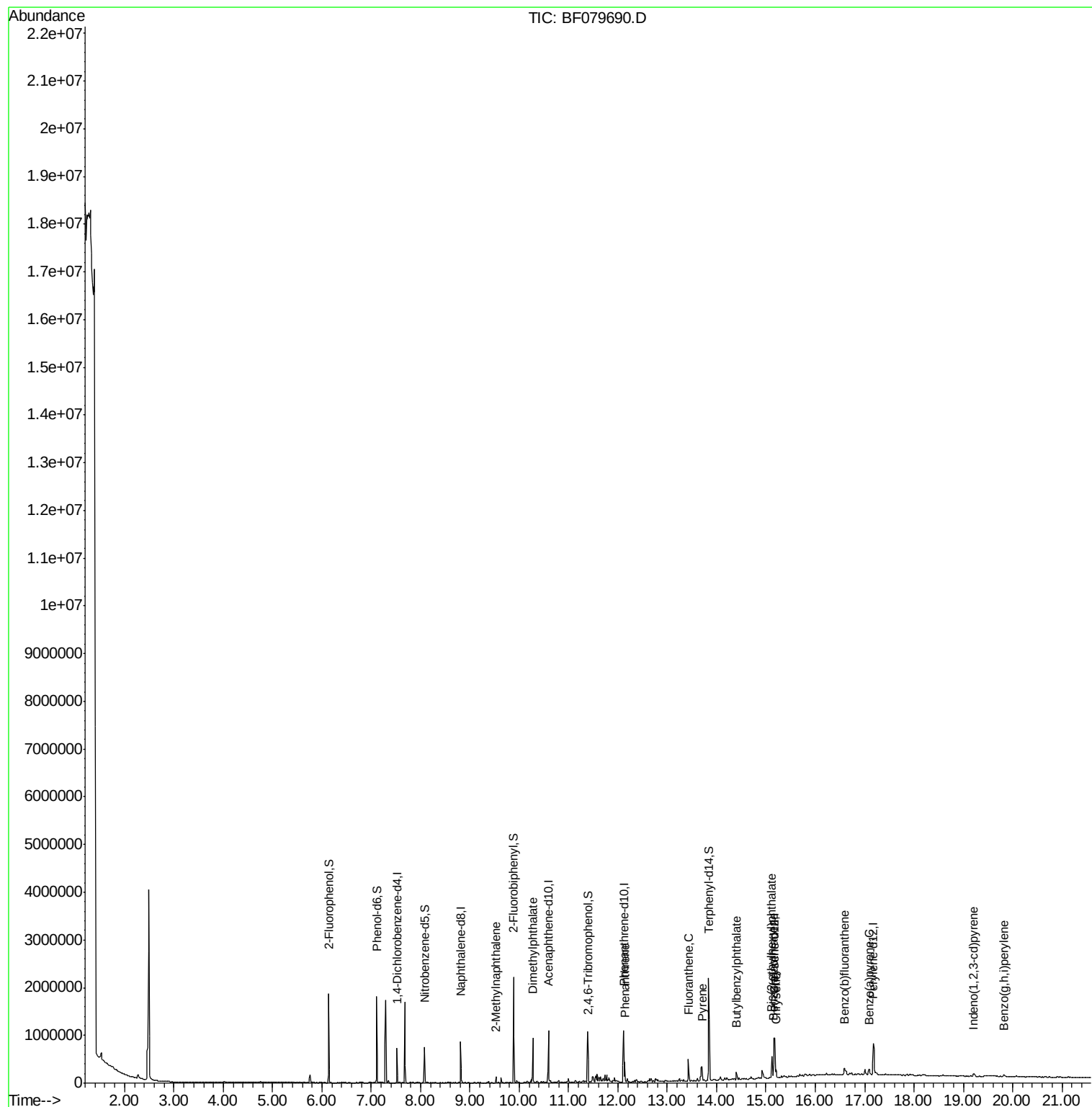
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079690.D
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Operator : TP/IZ
Sample : G2427-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

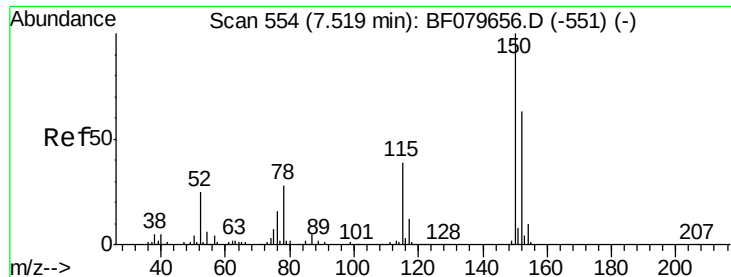
Instrument :
BNA_F
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HB-9A-DEL3(0-2)

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Quant Time: Jun 05 12:01:36 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 05 10:52:02 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Instrument :

BNA_F

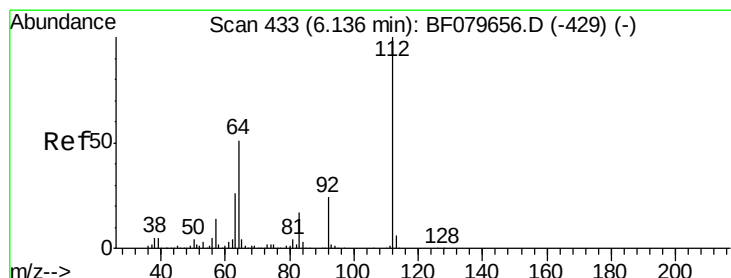
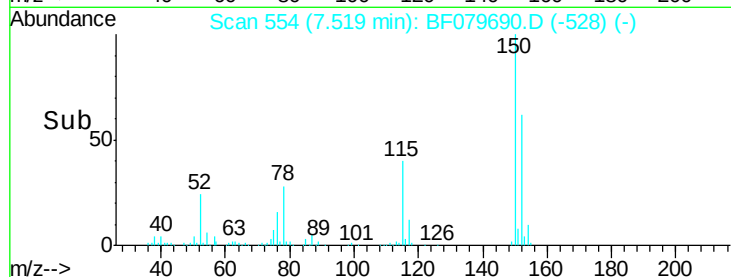
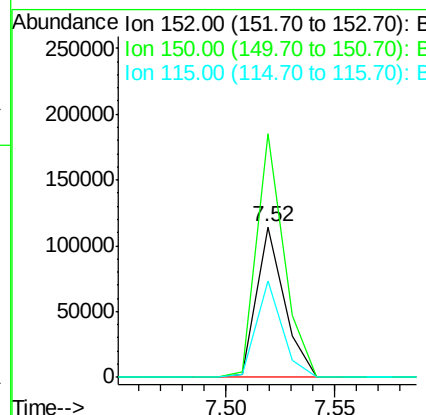
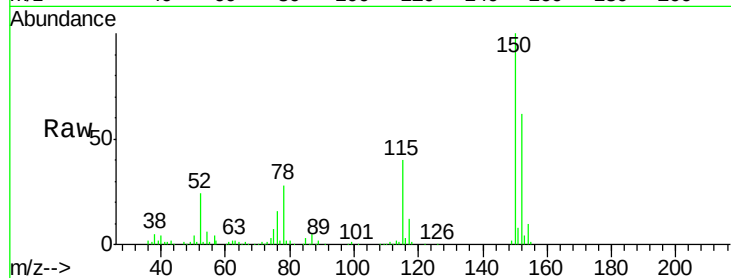
ClientSampleId :

HB-9A-DEL3(0-2)

Tot Ion:	152	Resp:	101277
Ion Ratio	Lower	Upper	
152	100		
150	161.9	126.7	190.1
115	64.4	49.2	73.8

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#5

2-Fluorophenol

Concen: 79.47 ng

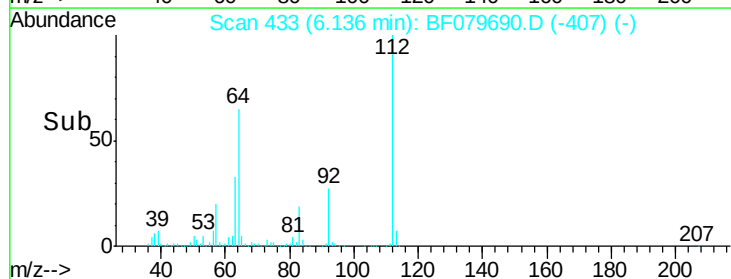
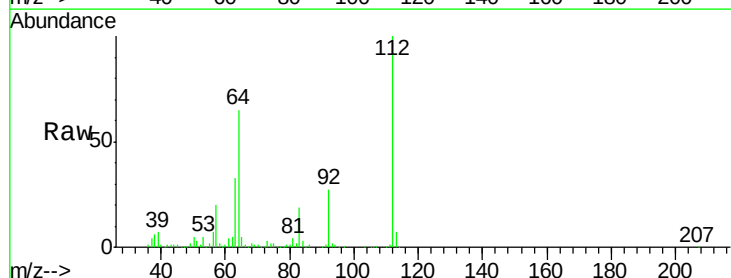
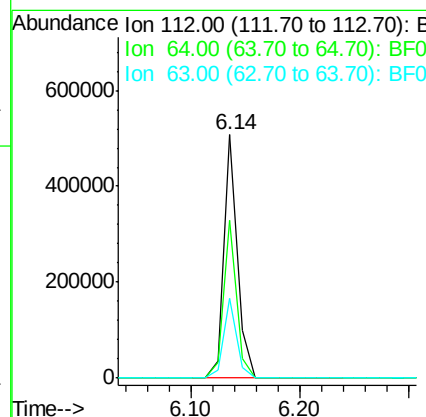
RT: 6.14 min Scan# 433

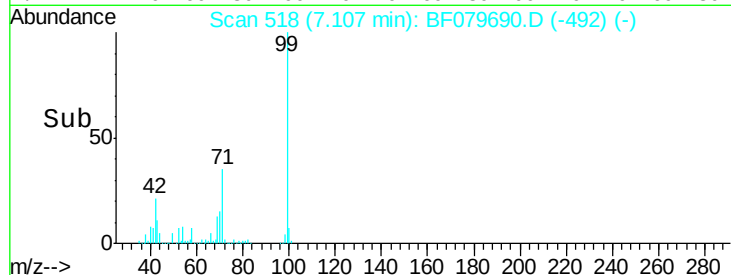
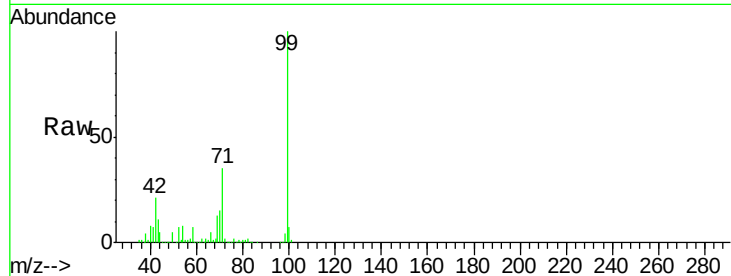
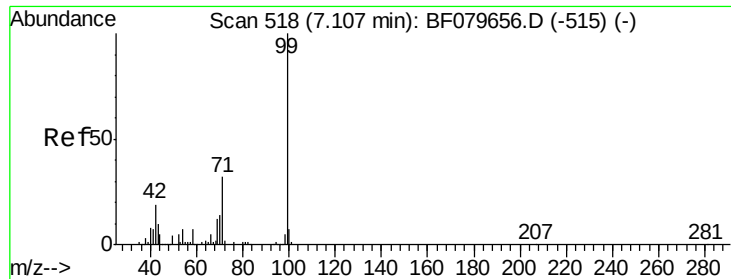
Delta R.T. 0.00 min

Lab File: BF079690.D

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Tgt Ion:	112	Resp:	443222
Ion Ratio	Lower	Upper	
112	100		
64	64.6	41.1	61.7#
63	32.7	20.5	30.7#





#7

Phenol-d6

Concen: 81.51 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		598536		
42	21.3	15.2	22.8		
71	34.6	25.9	38.9		

Instrument :

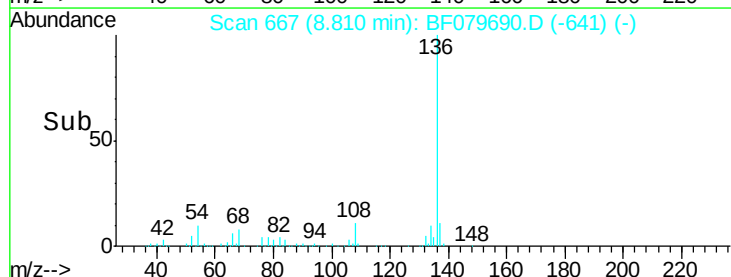
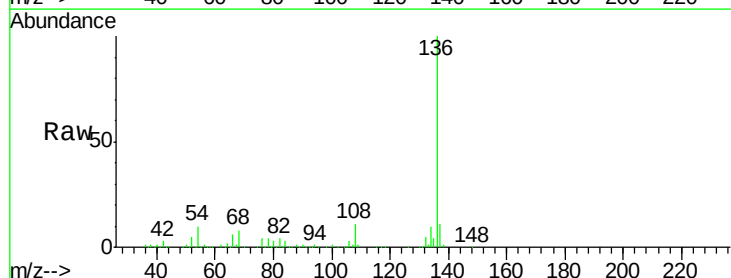
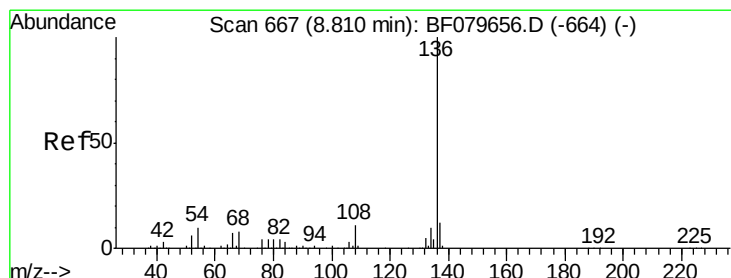
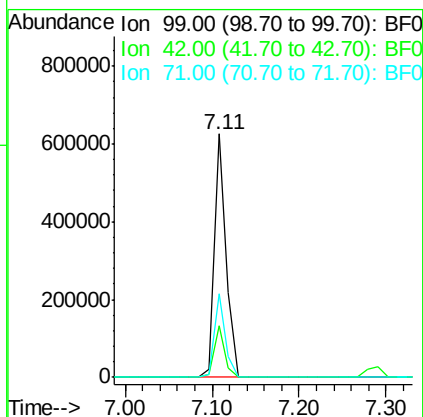
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ClientSampleId :

HB-9A-DEL3(0-2)

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#21

Naphthalene-d8

Concen: 20.00 ng

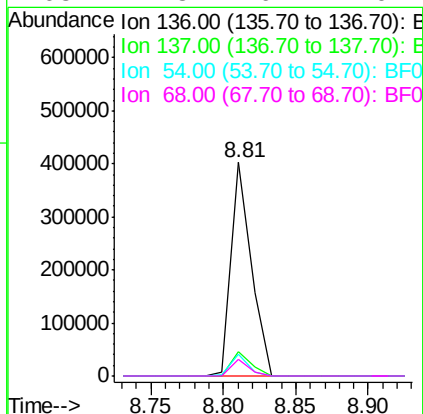
RT: 8.81 min Scan# 667

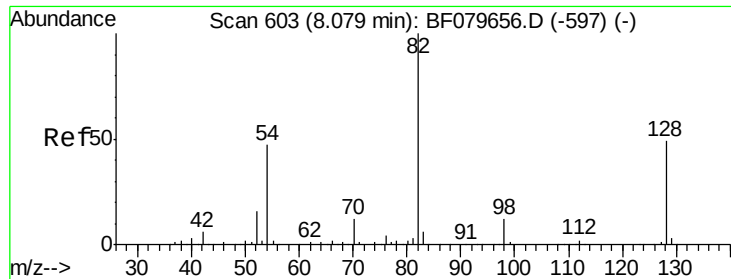
Delta R.T. 0.00 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		389456		
137	11.2	9.3	13.9		
54	10.3	8.3	12.5		
68	7.8	6.1	9.1		





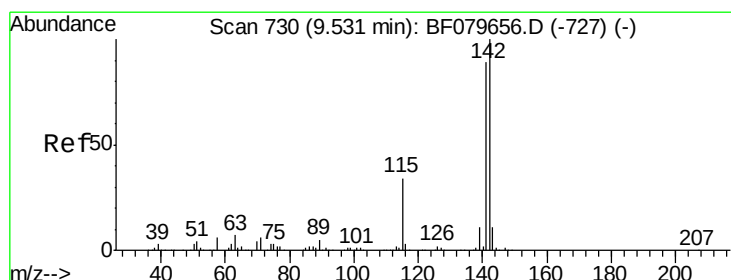
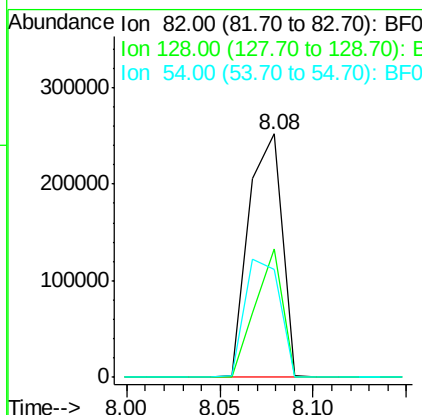
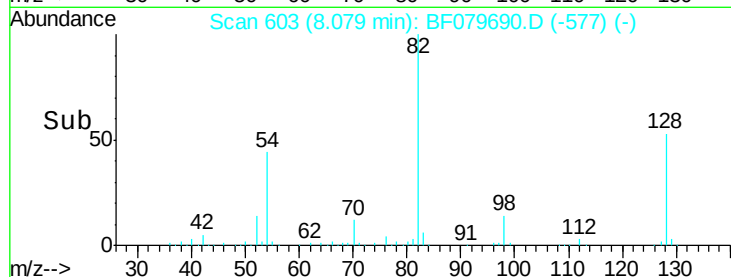
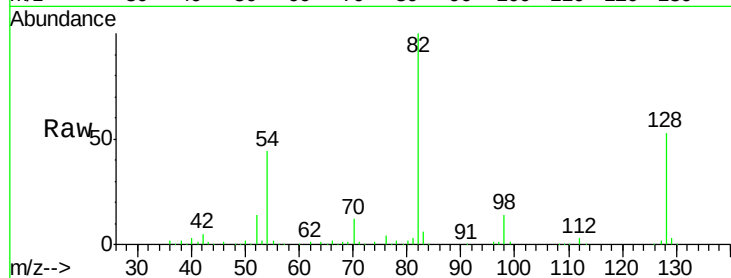
#23
 Nitrobenzene-d5
 Concen: 49.50 ng
 RT: 8.08 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF079690.D
 Acq: 4 Jun 2015 6:24

Instrument :
 BNA_F
 ClientSampleId :
 HB-9A-DEL3(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.7	39.4	59.0	
54	44.3	37.4	56.0	

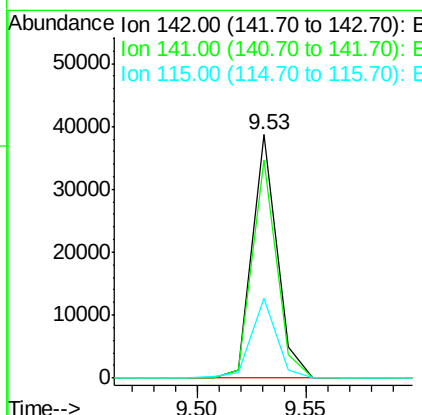
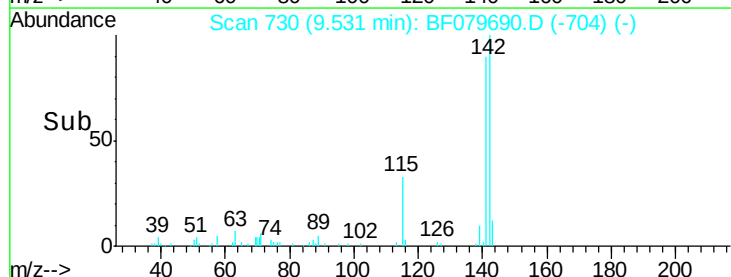
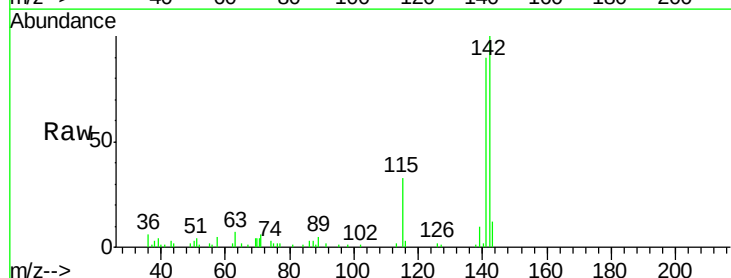
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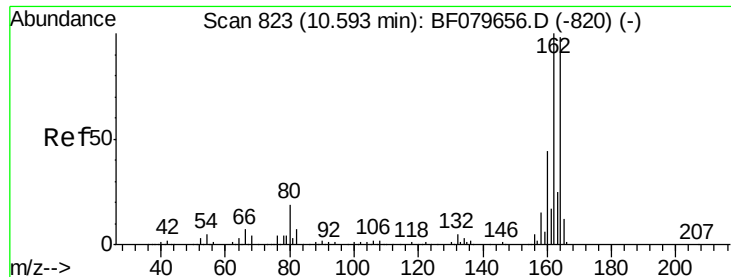
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#37
 2-Methylnaphthalene
 Concen: 2.27 ng
 RT: 9.53 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: BF079690.D
 Acq: 4 Jun 2015 6:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	89.7	71.4	107.0	
115	33.0	27.3	40.9	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.59 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Instrument :

BNA_F

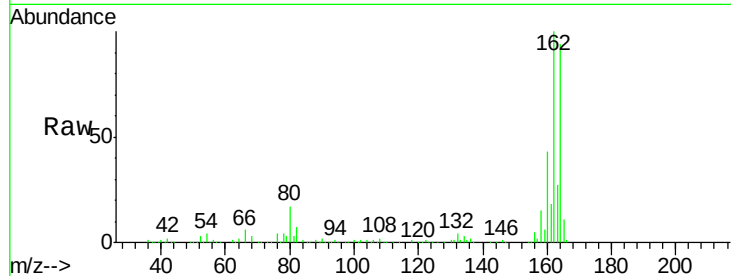
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HB-9A-DEL3(0-2)

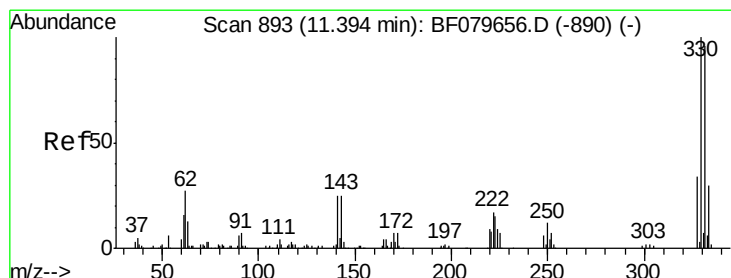
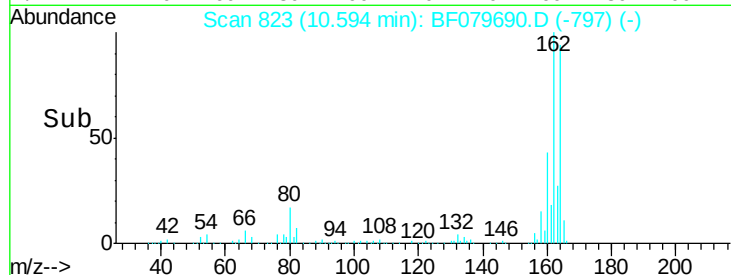
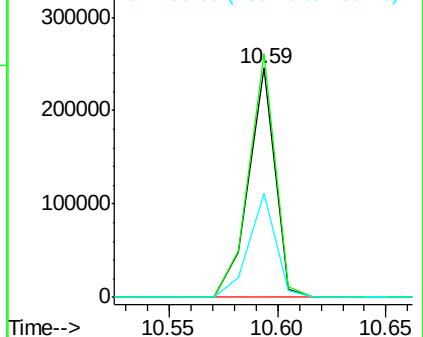
Tot Ion:	164	Resp:	207609
Ion Ratio	Lower	Upper	
164	100		
162	106.2	82.0	123.0
160	45.6	35.9	53.9

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 71.81 ng

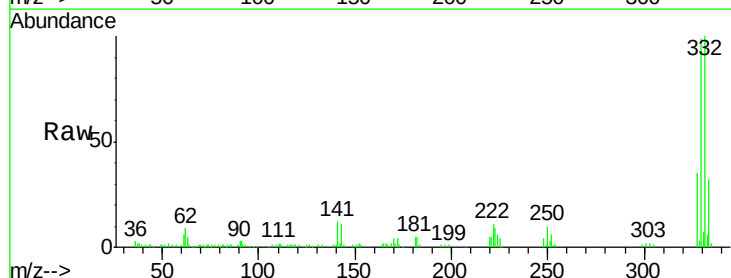
RT: 11.39 min Scan# 893

Delta R.T. 0.00 min

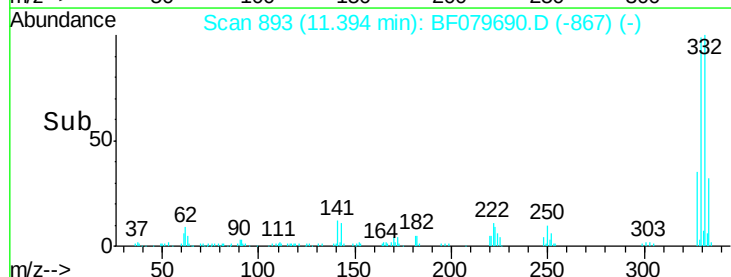
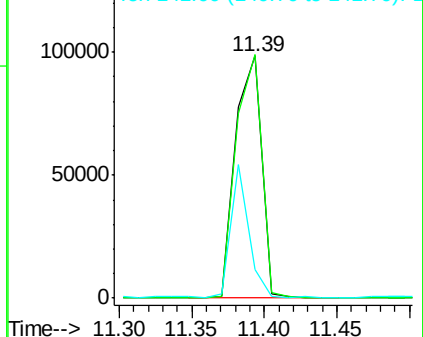
Lab File: BF079690.D

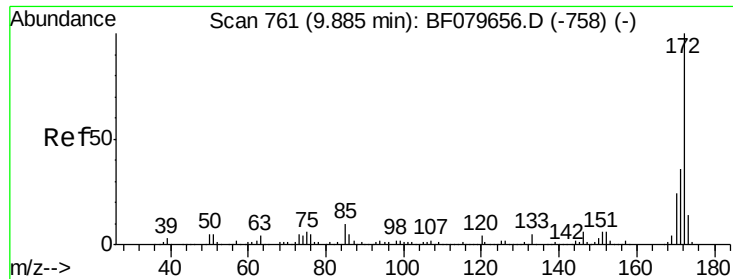
Acq: 4 Jun 2015 6:24

Tgt Ion:	330	Resp:	123041
Ion Ratio	Lower	Upper	
330	100		
332	98.7	77.3	115.9
141	40.2	27.4	41.2



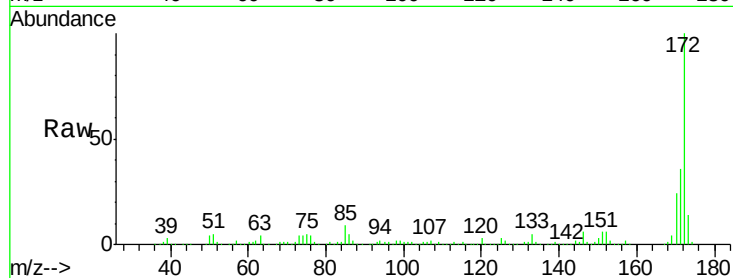
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#44
2-Fluorobiphenyl
Concen: 52.96 ng
RT: 9.88 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF079690.D
Acq: 4 Jun 2015 6:24

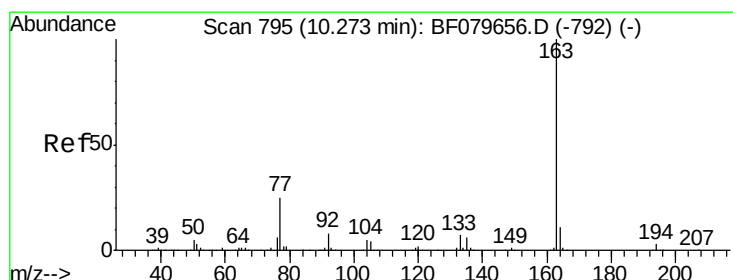
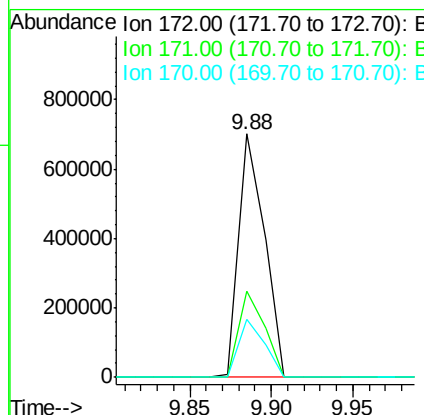
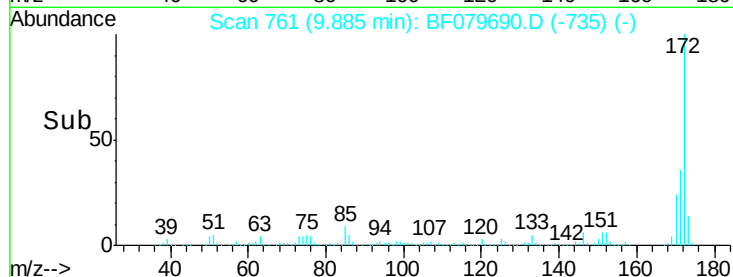
Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL3(0-2)



Tot Ion	Ratio	Resp	Lower	Upper
172	100	760148		
171	35.6	28.8	43.2	
170	23.6	19.2	28.8	

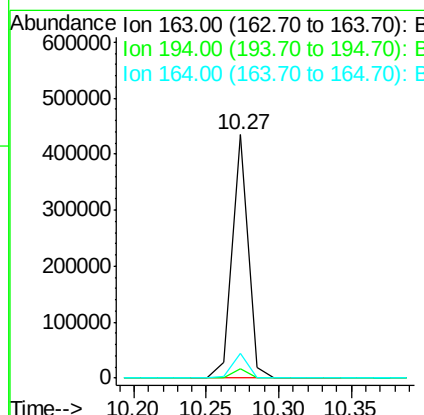
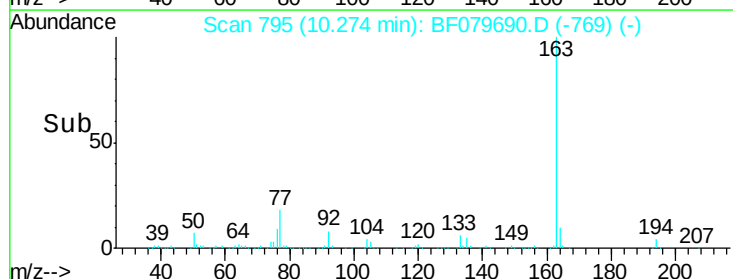
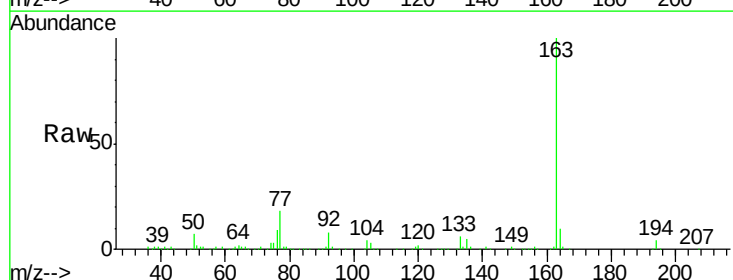
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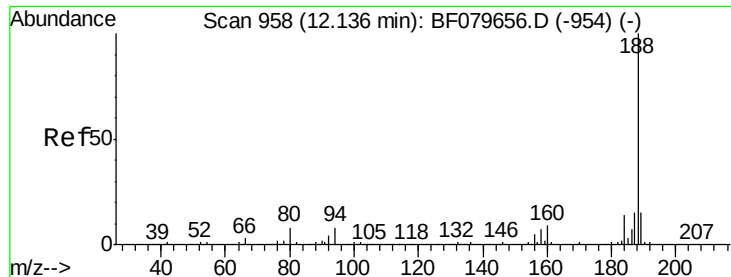
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6/5/2015 8:10:48 AM



#49
Dimethylphthalate
Concen: 21.80 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF079690.D
Acq: 4 Jun 2015 6:24

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	331554		
194	3.6	2.6	3.8	
164	10.0	8.6	12.8	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.11 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Instrument :

BNA_F

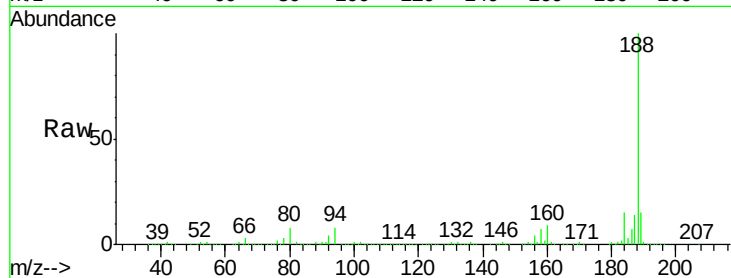
ClientSampleId :

HB-9A-DEL3(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	408701		
94	7.9		6.1	9.1
80	7.7		6.2	9.2

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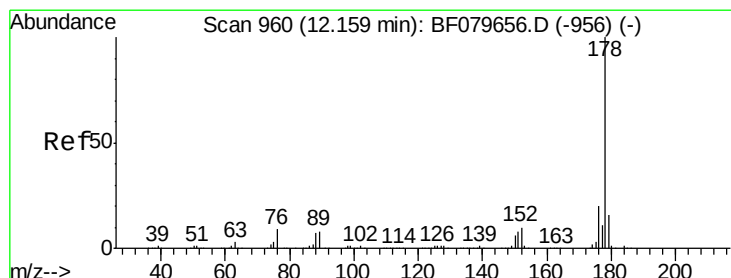
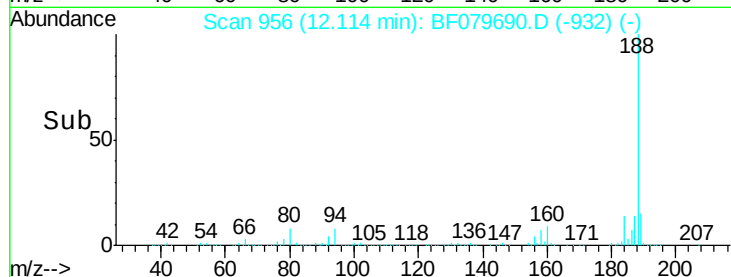
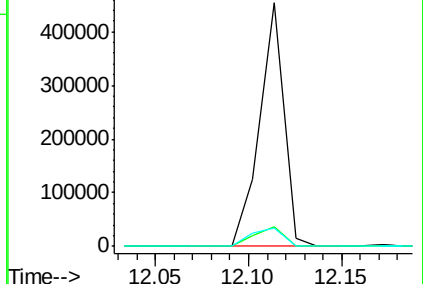
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 6.95 ng

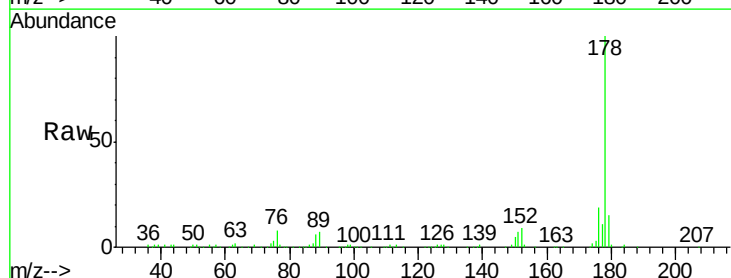
RT: 12.14 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

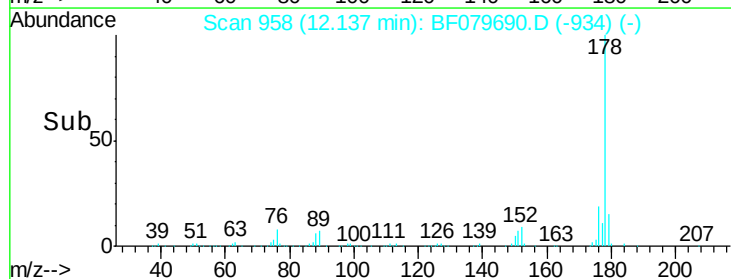
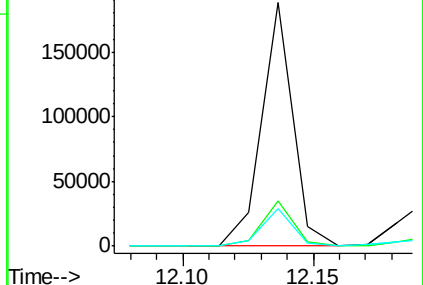
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	157036		
176	18.8		15.8	23.8
179	15.4		12.7	19.1

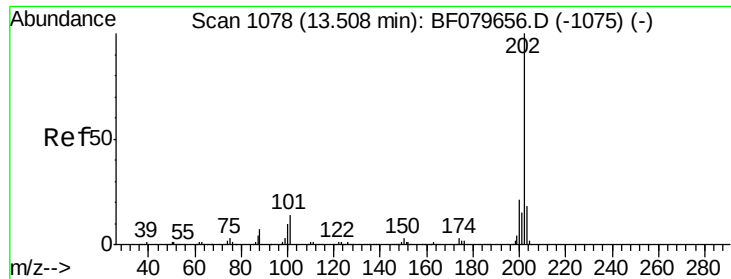


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.20 ng

RT: 13.43 min Scan# 1071

Delta R.T. -0.08 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Instrument :

BNA_F

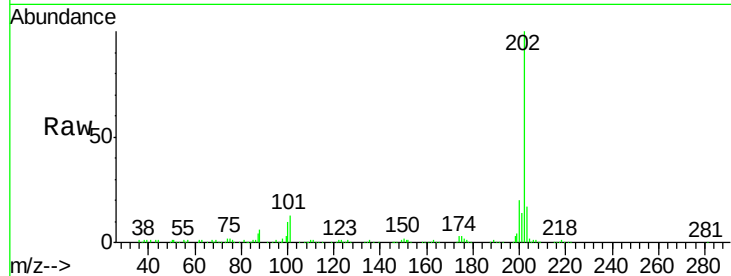
ClientSampleId :

HB-9A-DEL3(0-2)

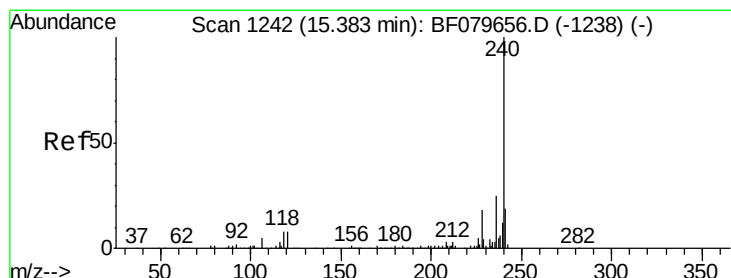
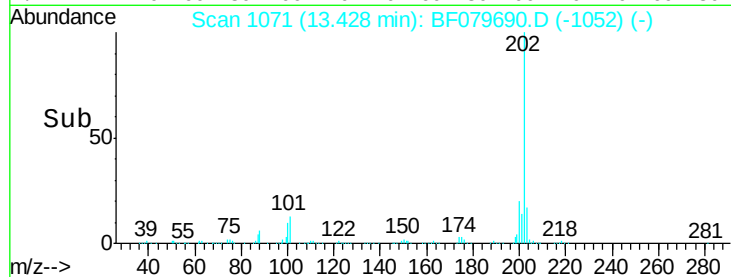
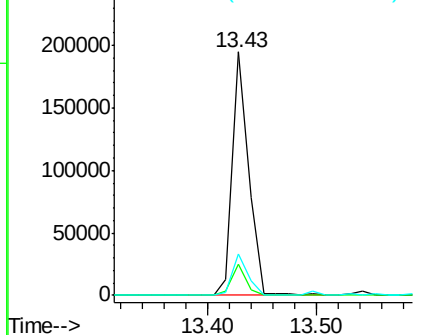
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		199868		
101	12.6	0.0	34.0		
203	17.2	0.0	37.9		

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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

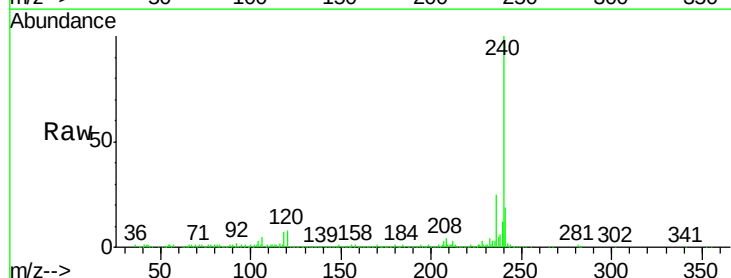
RT: 15.18 min Scan# 1224

Delta R.T. -0.21 min

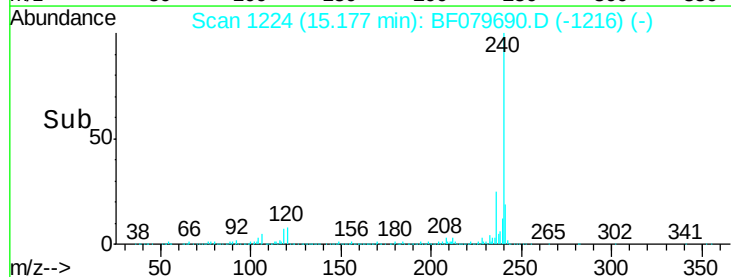
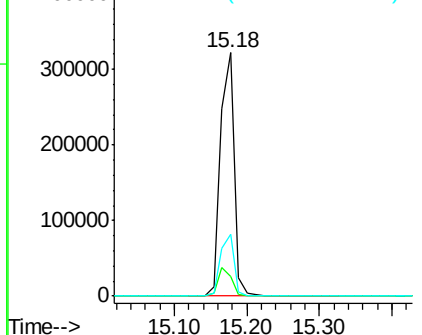
Lab File: BF079690.D

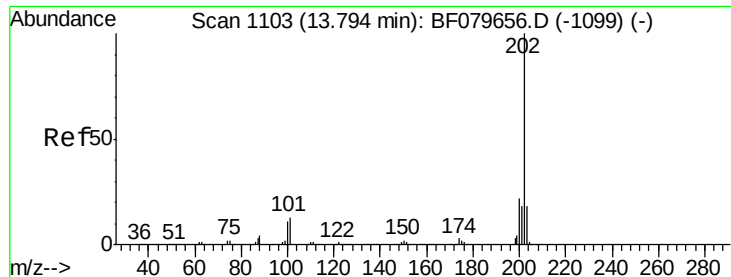
Acq: 4 Jun 2015 6:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		424400		
120	7.9	6.4	9.6		
236	25.4	20.2	30.4		



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: 7.35 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.09 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Instrument :

BNA_F

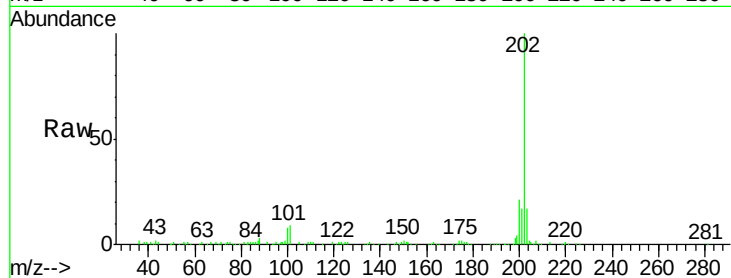
ClientSampleId :

HB-9A-DEL3(0-2)

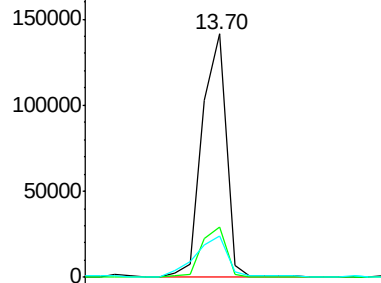
Tot Ion:	202	Resp:	179540
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.0
203	17.1	14.5	21.7

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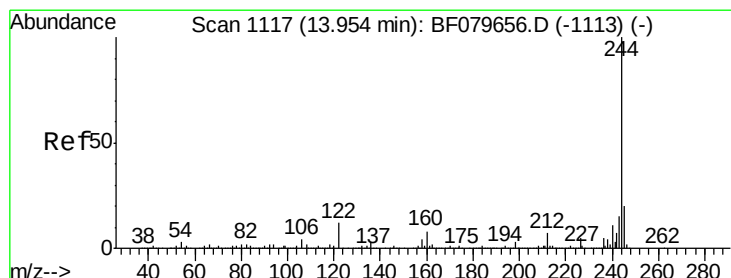
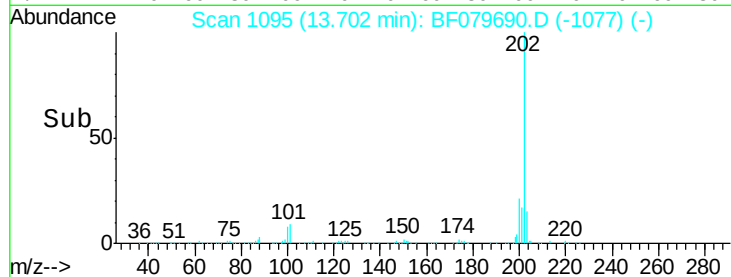
apatel
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 13.60 13.70 13.80



#78

Terphenyl-d14

Concen: 50.02 ng

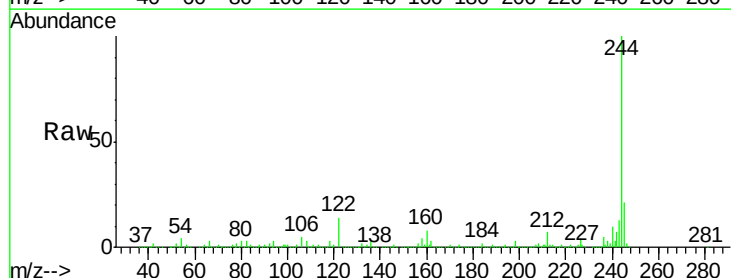
RT: 13.84 min Scan# 1107

Delta R.T. -0.11 min

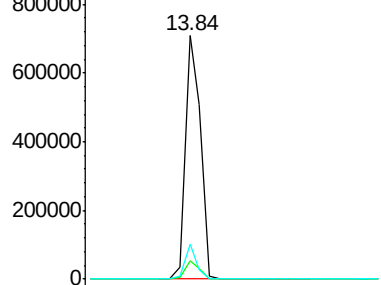
Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

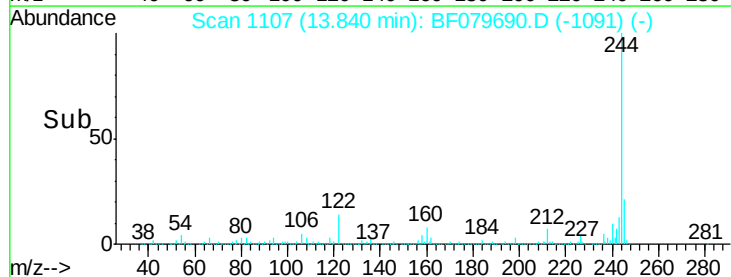
Tgt Ion:	244	Resp:	869525
Ion Ratio		Lower	Upper
244	100		
212	7.3	5.9	8.9
122	14.2	9.8	14.6

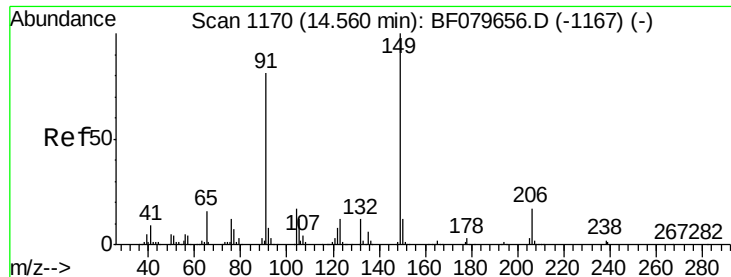


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 13.80 13.90 14.00





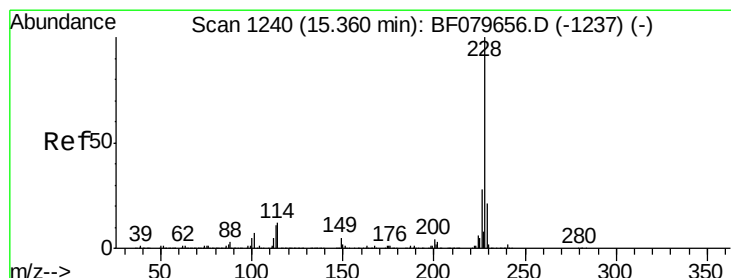
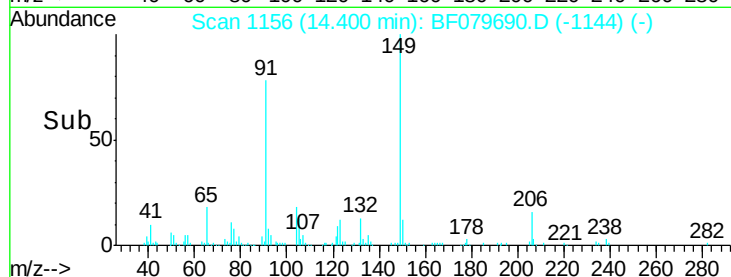
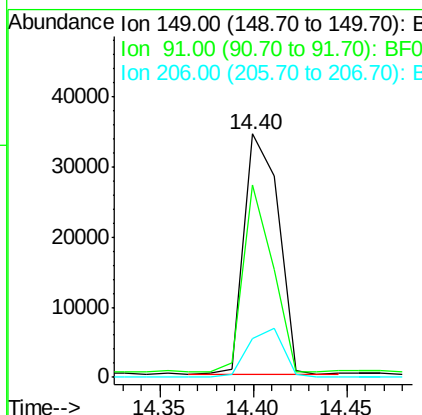
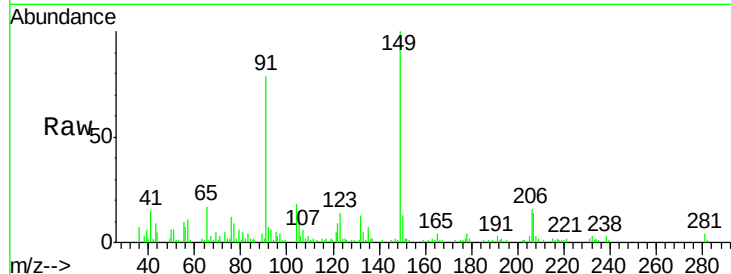
#79
Butylbenzylphthalate
Concen: 7.26 ng
RT: 14.40 min Scan# 1156
Delta R.T. -0.16 min
Lab File: BF079690.D
Acq: 4 Jun 2015 6:24

Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL3(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
149	100	43712		
91	78.8	64.4	96.6	
206	15.9	13.6	20.4	

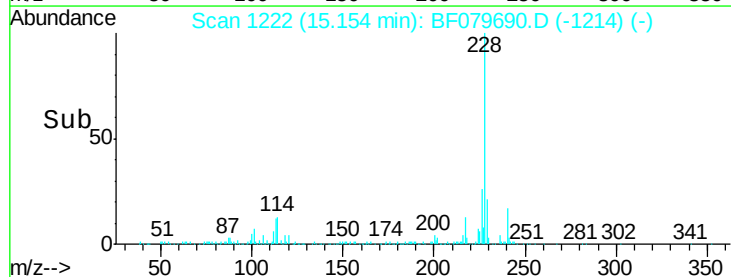
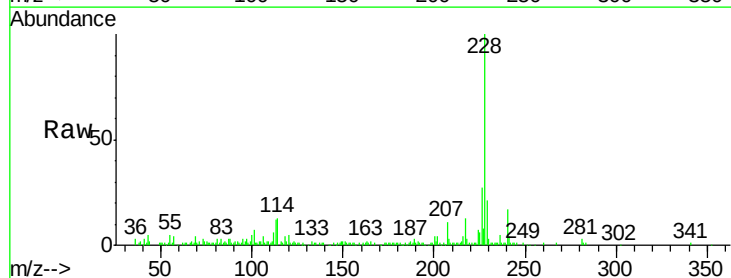
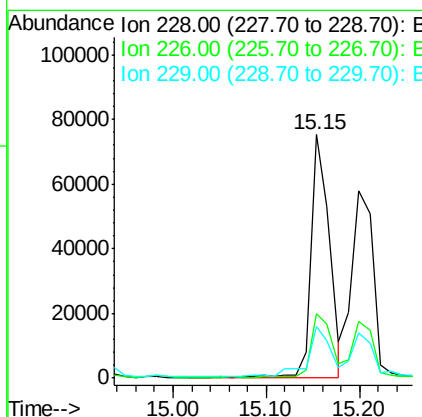
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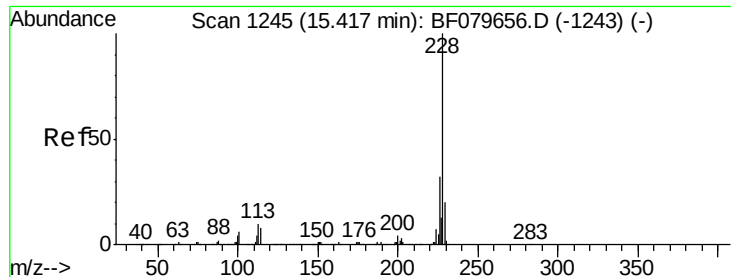
apatel
6/5/2015 8:10:48 AM



#80
Benzo(a)anthracene
Concen: 4.50 ng
RT: 15.15 min Scan# 1222
Delta R.T. -0.21 min
Lab File: BF079690.D
Acq: 4 Jun 2015 6:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	104475		
226	26.6	22.5	33.7	
229	21.3	16.6	24.8	





#82

Chrysene

Concen: 3.99 ng

RT: 15.20 min Scan# 1226

Delta R.T. -0.22 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Instrument :

BNA_F

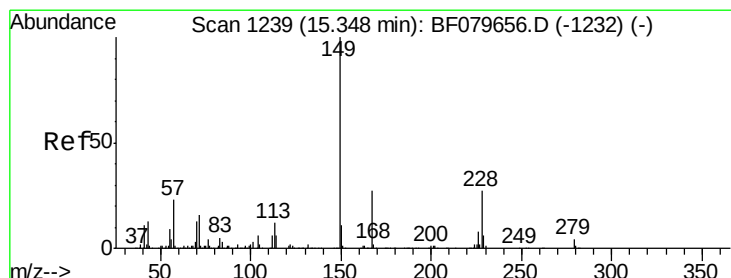
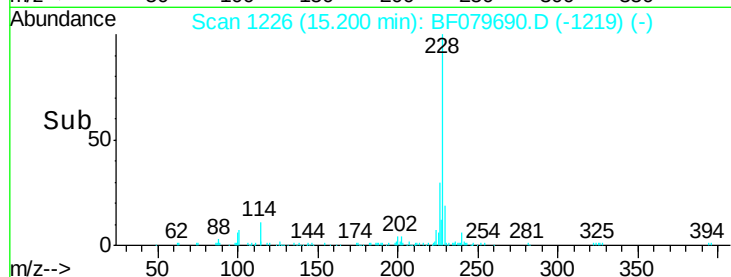
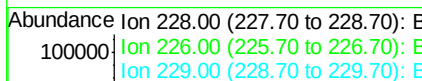
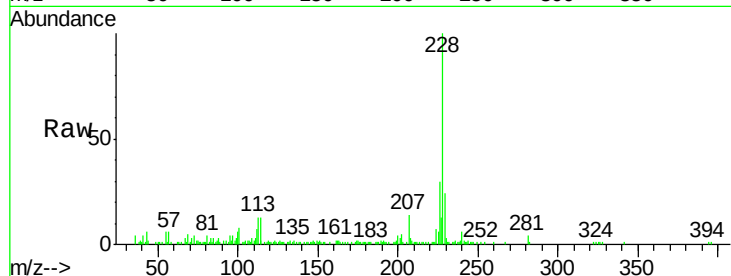
ClientSampleId :

HB-9A-DEL3(0-2)

Tot Ion:	228	Resp:	93134
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.2	37.8
229	24.1	16.3	24.5

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#83

Bis(2-ethylhexyl)phthalate

Concen: 11.84 ng

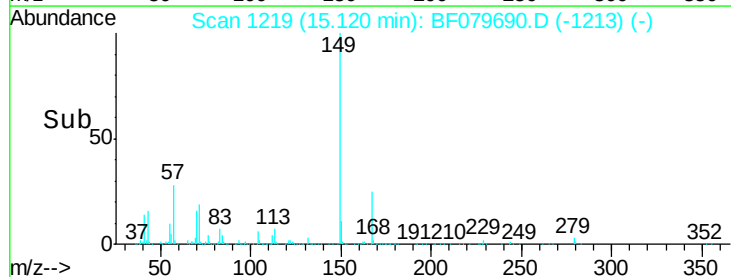
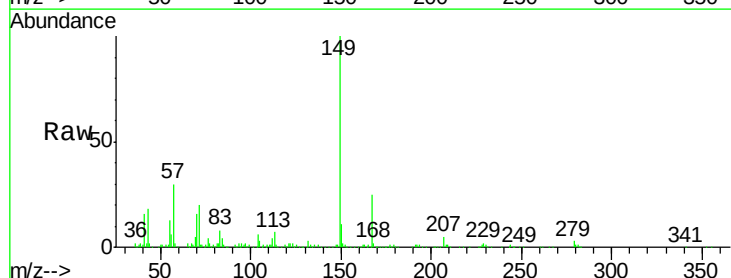
RT: 15.12 min Scan# 1219

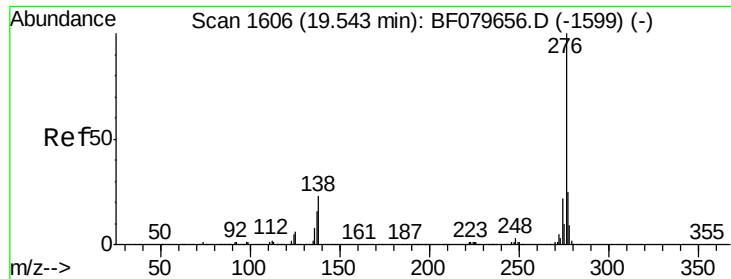
Delta R.T. -0.23 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Tgt Ion:	149	Resp:	128755
Ion Ratio	Lower	Upper	
149	100		
167	25.0	21.6	32.4
279	2.7	3.1	4.7#





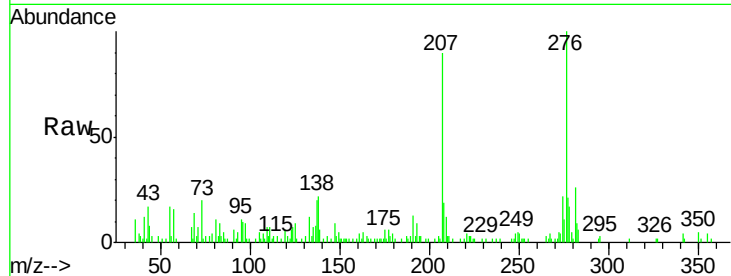
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.35 ng
RT: 19.21 min Scan# 1577
Delta R.T. -0.33 min
Lab File: BF079690.D
Acq: 4 Jun 2015 6:24

Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL3(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	21.9	32.9
277	20.3	20.2	30.4

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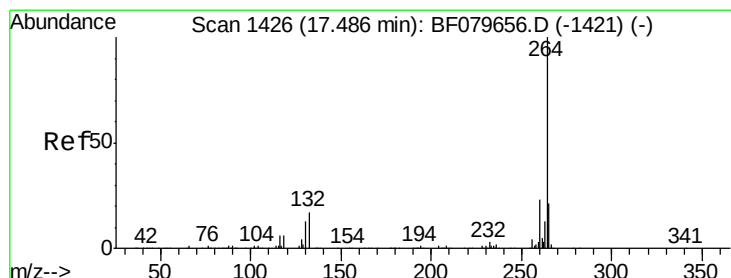
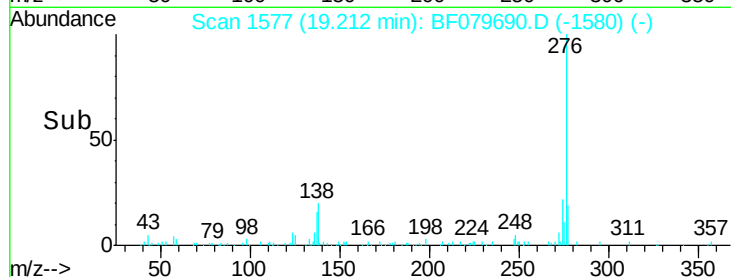
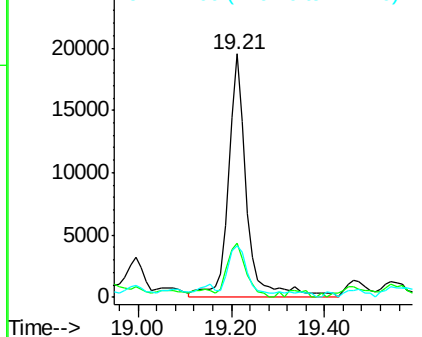


Abundance

Ion 276.00 (275.70 to 276.70): E

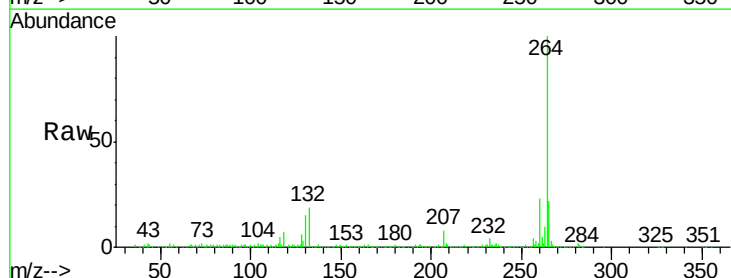
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.18 min Scan# 1399
Delta R.T. -0.31 min
Lab File: BF079690.D
Acq: 4 Jun 2015 6:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.5	17.4	26.0

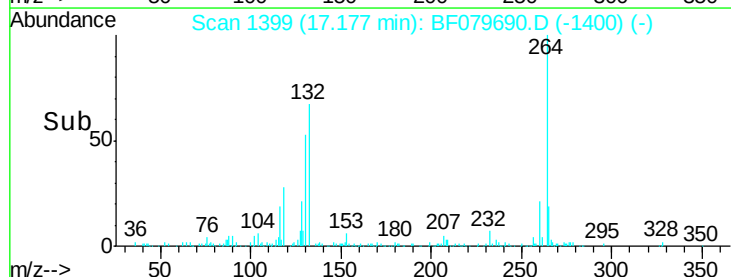
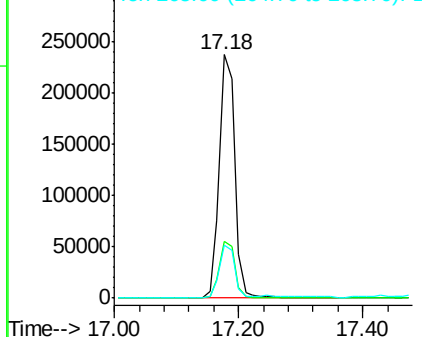


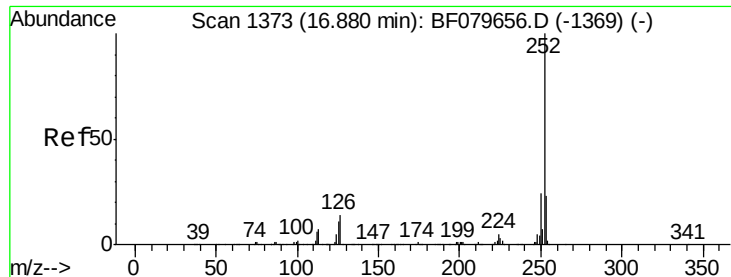
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





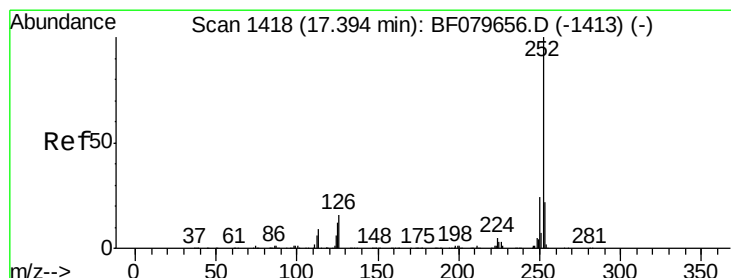
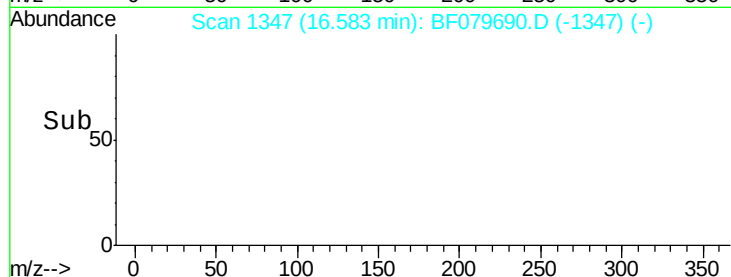
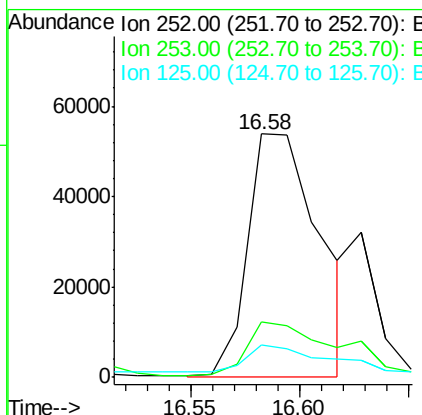
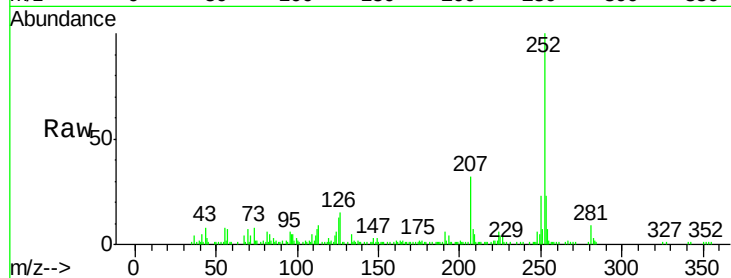
#87
Benzo(b)fluoranthene
Concen: 5.82 ng m
RT: 16.58 min Scan# 1347
Delta R.T. -0.30 min
Lab File: BF079690.D
Acq: 4 Jun 2015 6:24

Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL3(0-2)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.3	8.7	13.1

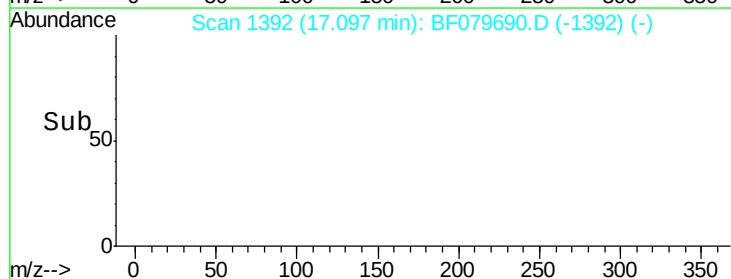
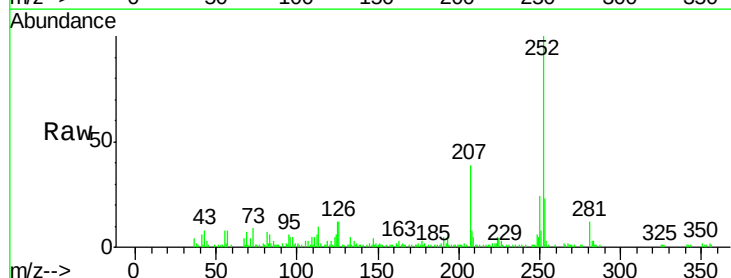
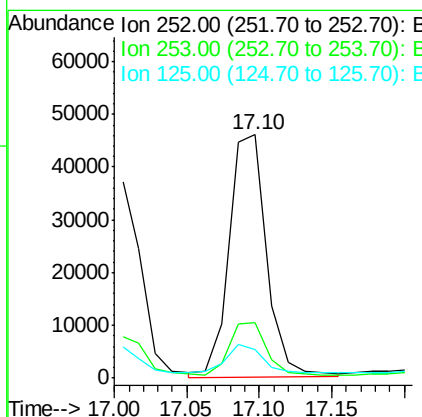
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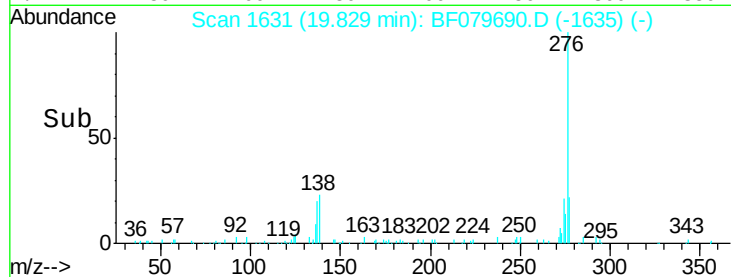
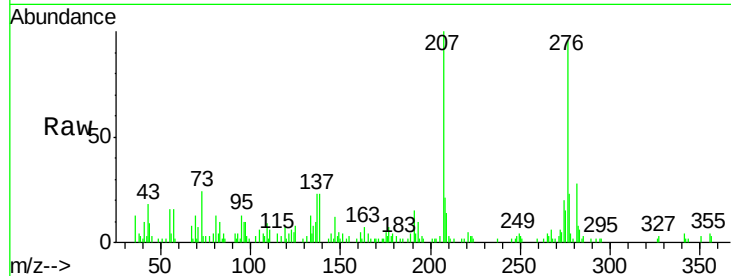
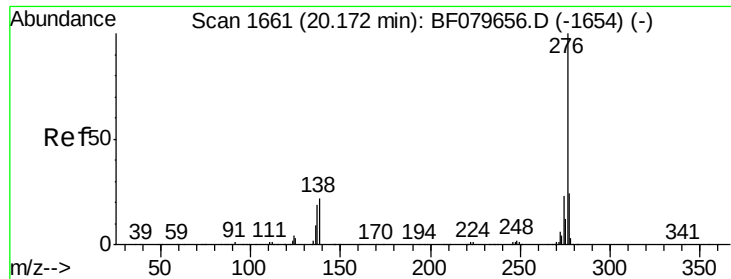
apatel
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#89
Benzo(a)pyrene
Concen: 3.99 ng
RT: 17.10 min Scan# 1392
Delta R.T. -0.30 min
Lab File: BF079690.D
Acq: 4 Jun 2015 6:24

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.9	26.9
125	11.6	9.4	14.0





#91

Benzo(a,h,i)perylene

Concen: 2.22 ng

RT: 19.83 min Scan# 1631

Delta R.T. -0.34 min

Lab File: BF079690.D

Acq: 4 Jun 2015 6:24

Tot Ion:	276	Resp:	45583
Ion Ratio		Lower	Upper
276	100		
277	24.1	19.1	28.7
138	23.5	17.4	26.0

Instrument :

BNA_F

ClientSampleId :

HB-9A-DEL3(0-2)

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