

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052915\
 Data File : BF079586.D
 Acq On : 30 May 2015 5:39
 Operator : TP/IZ
 Sample : G2294-02 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB402A(2.0-2.5)

Manual Integrations
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Quant Time: May 31 05:57:58 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	6.95	152	83225	20.00	ng	-0.01
21) Naphthalene-d8	8.52	136	335910	20.00	ng	-0.01
38) Acenaphthene-d10	10.68	164	159610	20.00	ng	-0.02
63) Phenanthrene-d10	12.53	188	280475	20.00	ng	-0.01
75) Chrysene-d12	15.79	240	258282	20.00	ng	-0.05
86) Perylene-d12	17.50	264	282493	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	78943	16.45	ng	0.00
7) Phenol-d6	6.55	99	114793	18.77	ng	-0.01
23) Nitrobenzene-d5	7.66	82	65318	11.24	ng	-0.01
41) 2,4,6-Tribromophenol	11.67	330	29662	16.92	ng	-0.02
44) 2-Fluorobiphenyl	9.87	172	147364	13.17	ng	-0.01
78) Terphenyl-d14	14.51	244	137002	12.45	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	12.55	178	241159	15.67	ng	100
71) Anthracene	12.62	178	79607	5.10	ng	98
72) Carbazole	12.83	167	36263	2.41	ng	99
74) Fluoranthene	14.02	202	380249	23.04	ng	98
77) Pyrene	14.30	202	408904	25.55	ng	# 95
80) Benzo(a)anthracene	15.78	228	319323	21.49	ng	98
82) Chrysene	15.83	228	246121	17.43	ng	97
85) Indeno(1,2,3-cd)pyrene	18.78	276	295869m	16.29	ng	
87) Benzo(b)fluoranthene	17.06	252	511842m	31.77	ng	
88) Benzo(k)fluoranthene	17.09	252	92862m	6.45	ng	
89) Benzo(a)pyrene	17.43	252	385156	26.47	ng	# 95
90) Dibenzo(a,h)anthracene	18.79	278	67188	3.13	ng	96
91) Benzo(a,h,i)perylene	19.15	276	280081	18.12	ng	95

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

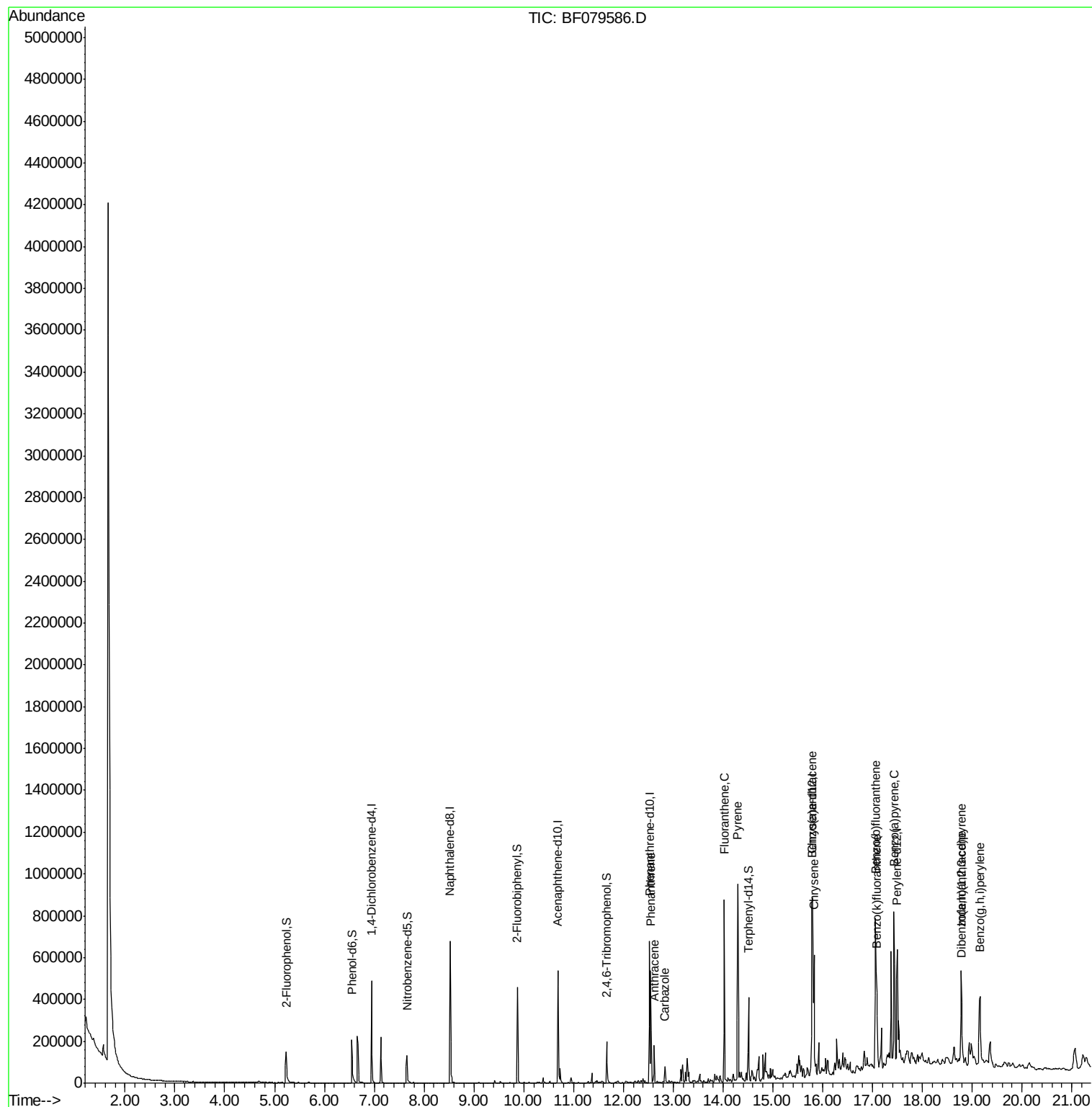
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052915\
Data File : BF079586.D
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ALS Vial : 26 Sample Multiplier: 1

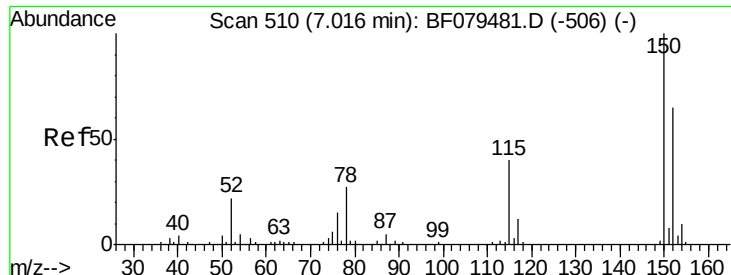
Instrument :
BNA_F
ClientSampleId :
HY-SB402A(2.0-2.5)

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Quant Time: May 31 05:57:58 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

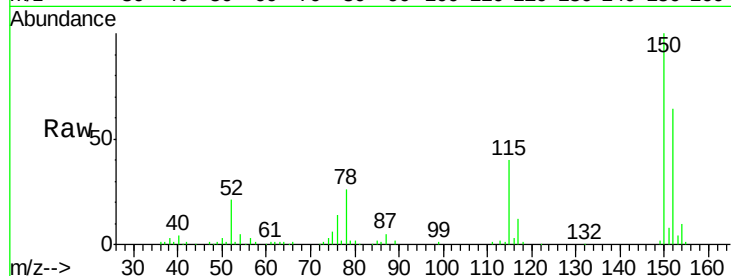
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF079586.D
Acq: 30 May 2015 5:39

Instrument :
BNA_F
ClientSampleId :
HY-SB402A(2.0-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.0	186.0
115	61.7	49.6	74.4

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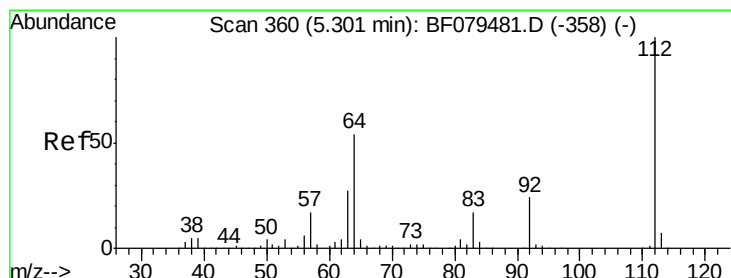
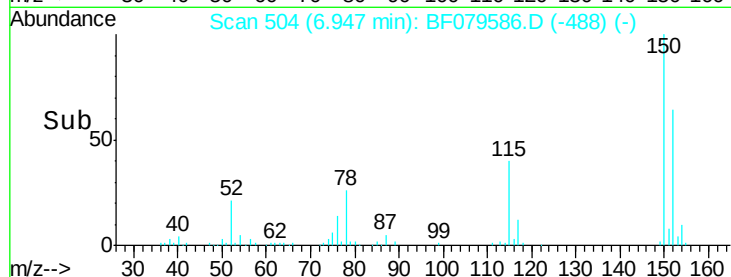
Abundance

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

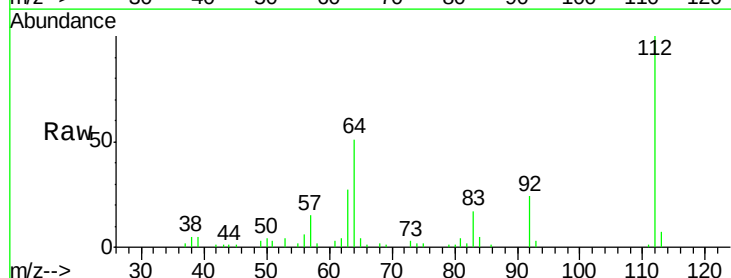
Time-->



#5

2-Fluorophenol
Concen: 16.45 ng
RT: 5.23 min Scan# 354
Delta R.T. 0.00 min
Lab File: BF079586.D
Acq: 30 May 2015 5:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	43.5	65.3
63	27.0	21.8	32.8



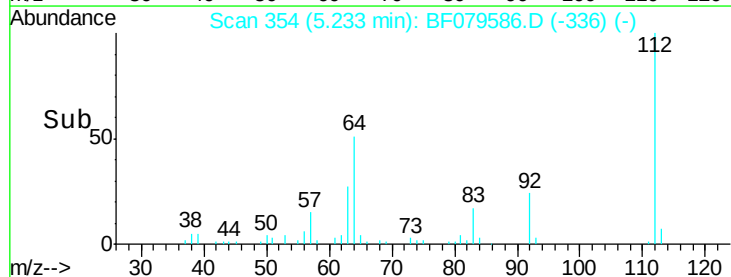
Abundance

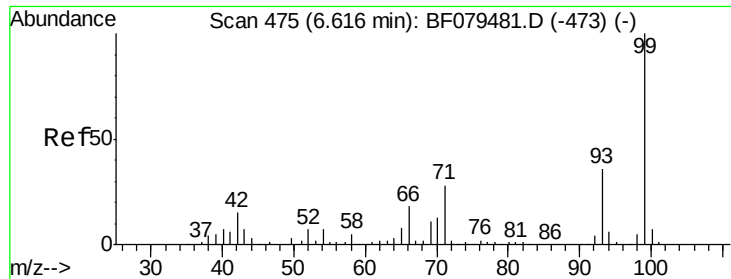
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 18.77 ng

RT: 6.55 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Instrument :

BNA_F

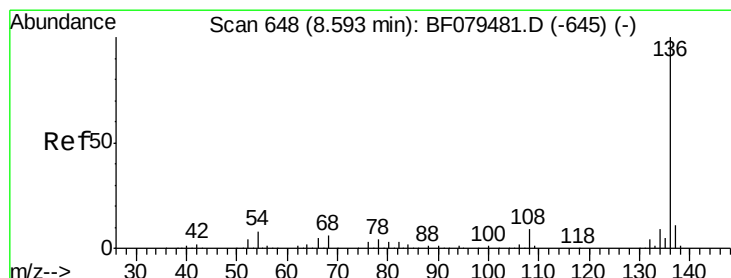
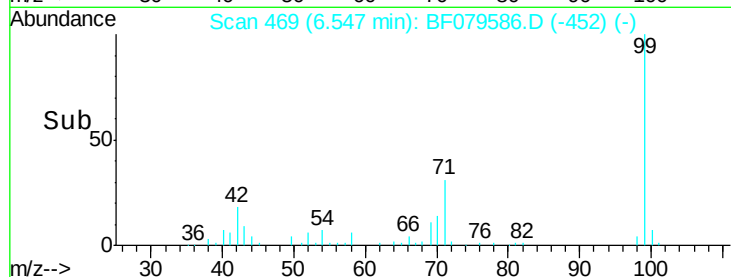
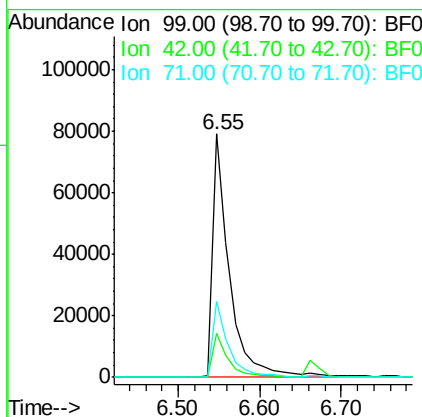
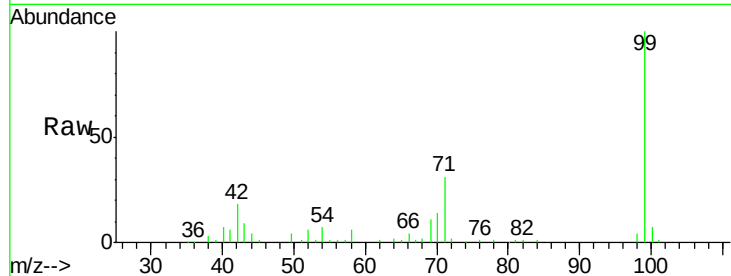
ClientSampleId :

HY-SB402A(2.0-2.5)

Tot Ion:	99	Resp:	114793
Ion Ratio	Lower	Upper	
99	100		
42	17.9	11.9	17.9
71	31.0	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

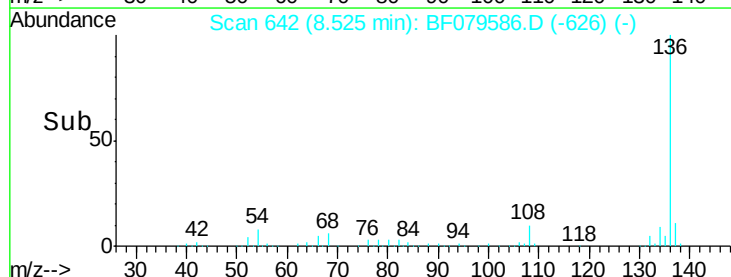
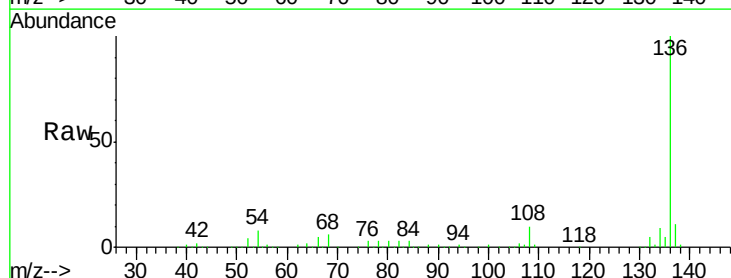
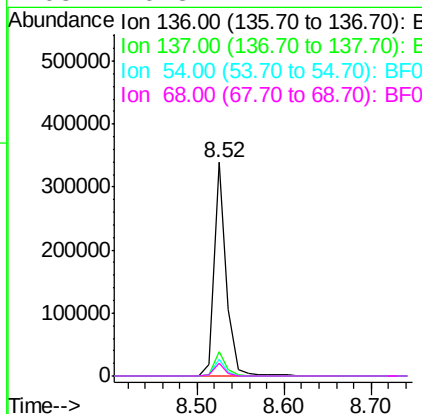
RT: 8.52 min Scan# 642

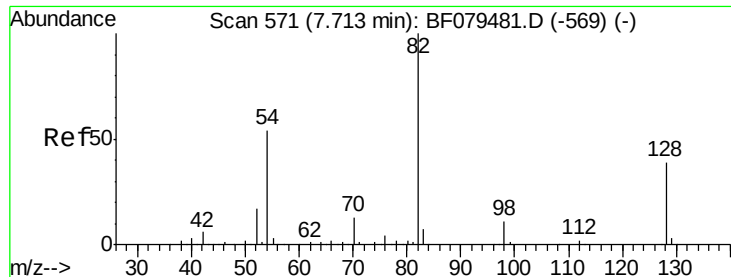
Delta R.T. -0.01 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Tgt Ion:	136	Resp:	335910
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	8.1	6.6	9.8
68	6.3	4.7	7.1





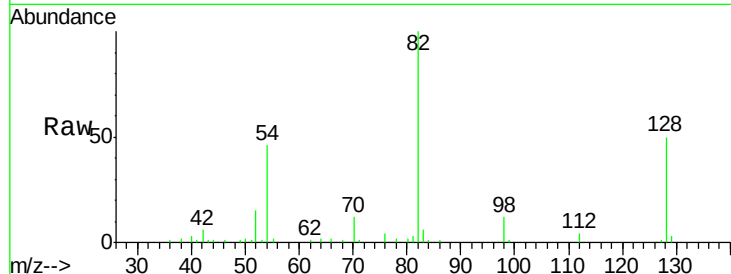
#23
 Nitrobenzene-d5
 Concen: 11.24 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF079586.D
 Acq: 30 May 2015 5:39

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB402A(2.0-2.5)

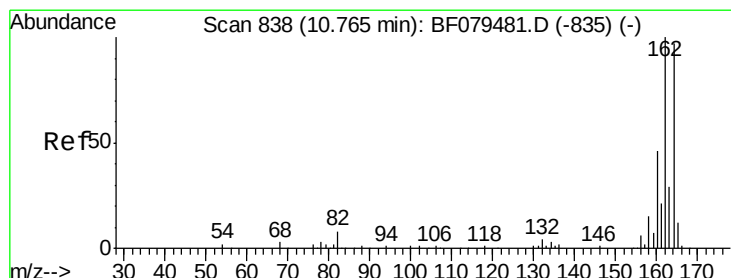
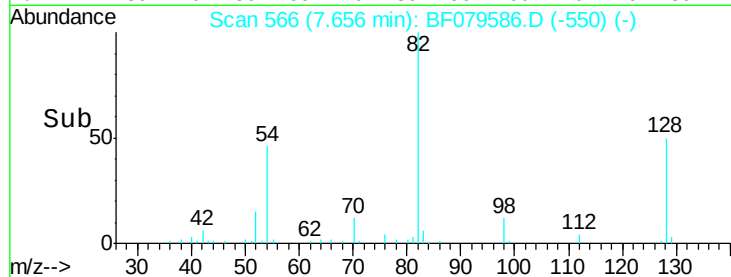
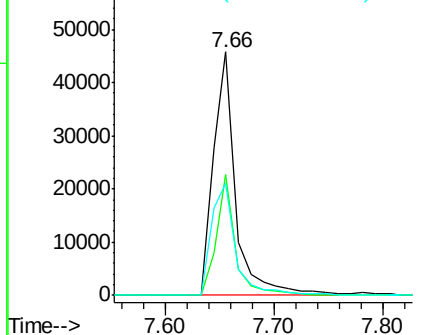
Tot Ion	Ratio	Resp	Lower	Upper
82	100	65318		
128	49.7	30.8	46.2	
54	45.8	42.8	64.2	

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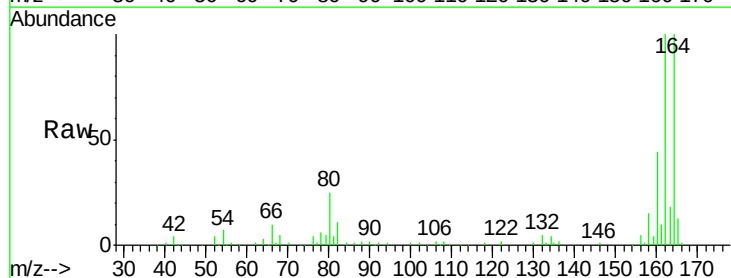


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

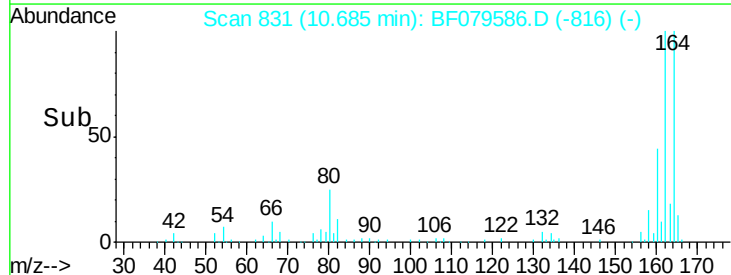
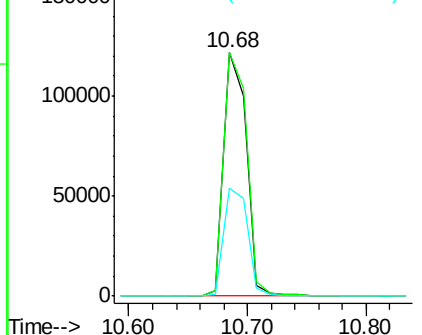


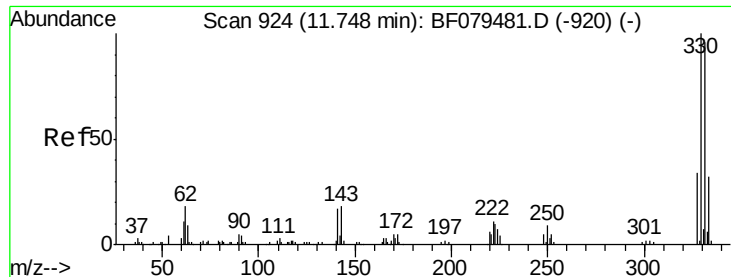
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.68 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: BF079586.D
 Acq: 30 May 2015 5:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159610		
162	100.2	82.6	124.0	
160	44.3	37.7	56.5	



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





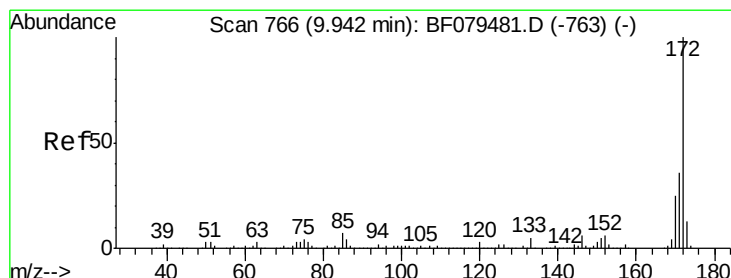
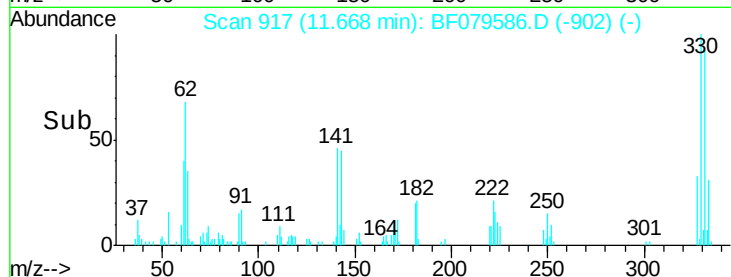
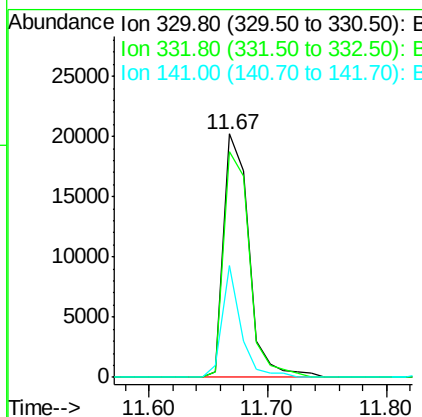
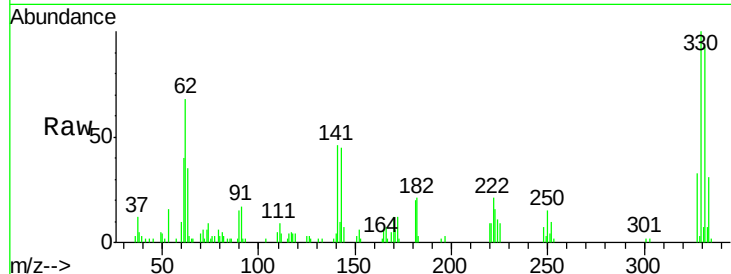
#41
 2,4,6-Tribromophenol
 Concen: 16.92 ng
 RT: 11.67 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: BF079586.D
 Acq: 30 May 2015 5:39

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB402A(2.0-2.5)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.5	0.0	0.0#
141	34.0	0.0	0.0#

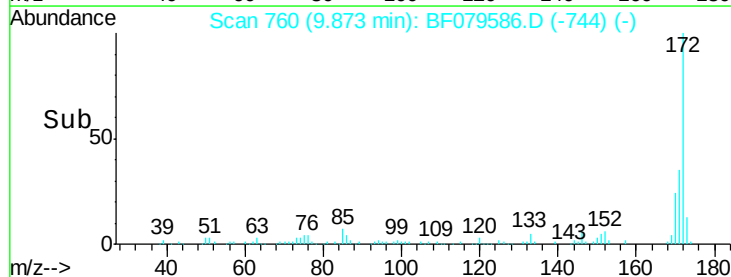
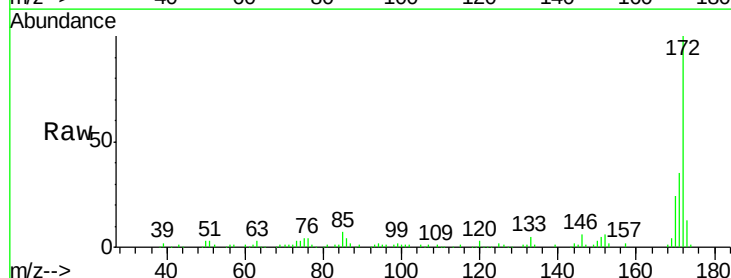
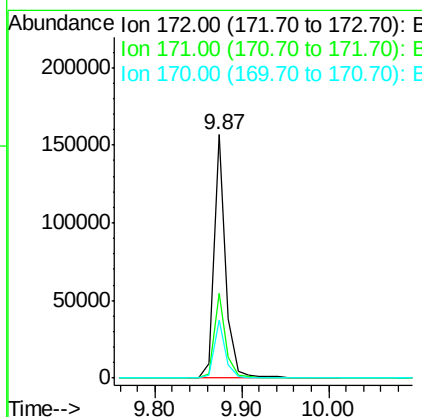
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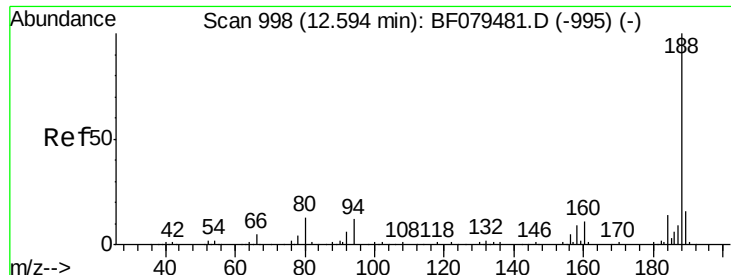
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#44
 2-Fluorobiphenyl
 Concen: 13.17 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF079586.D
 Acq: 30 May 2015 5:39

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.7	28.5	42.7
170	23.8	19.7	29.5





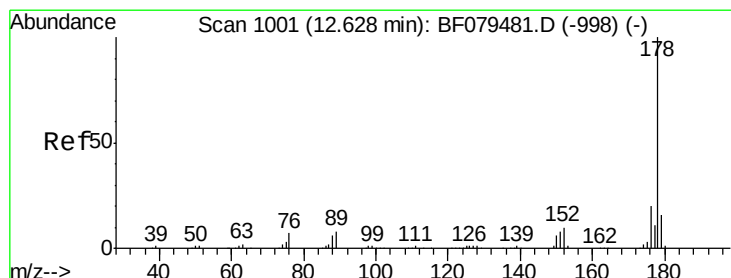
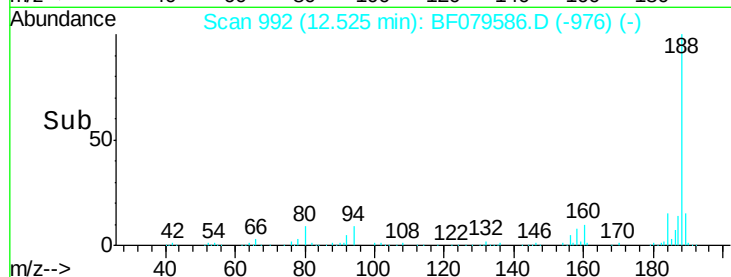
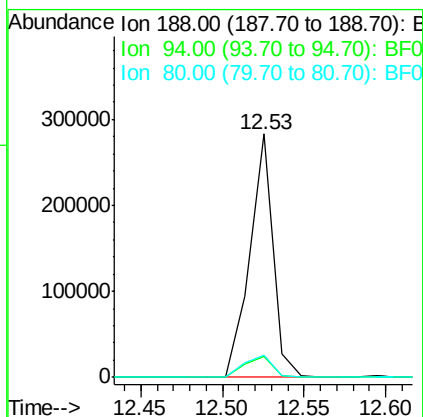
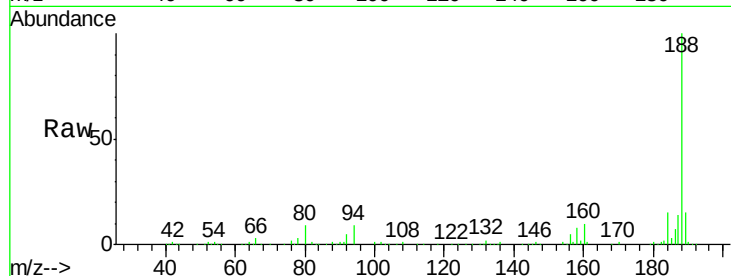
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.53 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF079586.D
Acq: 30 May 2015 5:39

Instrument :
BNA_F
ClientSampleId :
HY-SB402A(2.0-2.5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	9.8	14.6#
80	9.1	10.5	15.7#

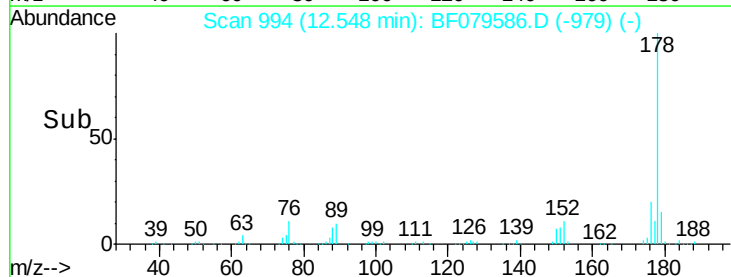
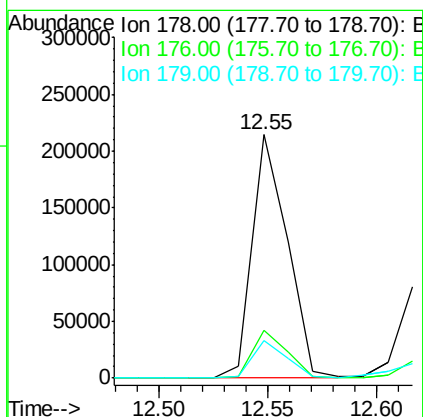
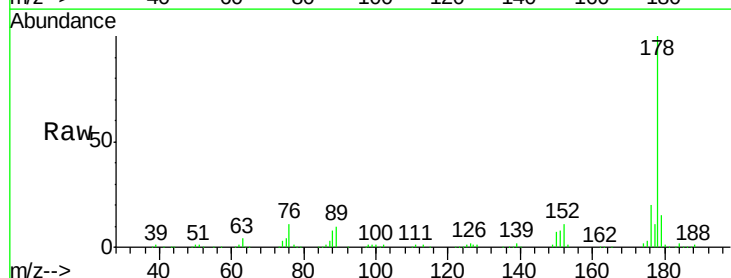
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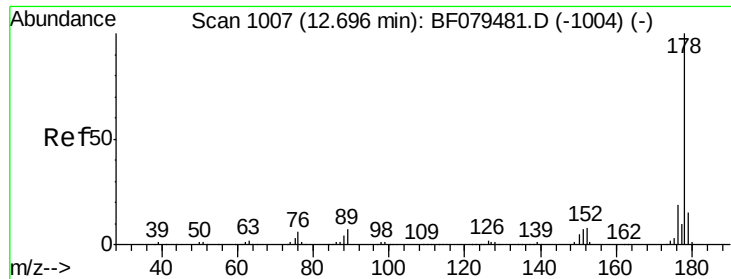
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#70
Phenanthrene
Concen: 15.67 ng
RT: 12.55 min Scan# 994
Delta R.T. -0.02 min
Lab File: BF079586.D
Acq: 30 May 2015 5:39

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.4	12.4	18.6





#71

Anthracene

Concen: 5.10 ng

RT: 12.62 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Instrument :

BNA_F

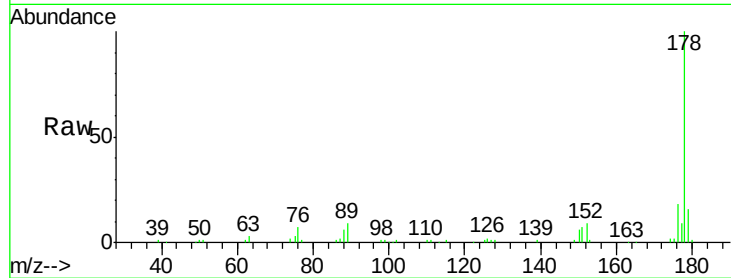
ClientSampleId :

HY-SB402A(2.0-2.5)

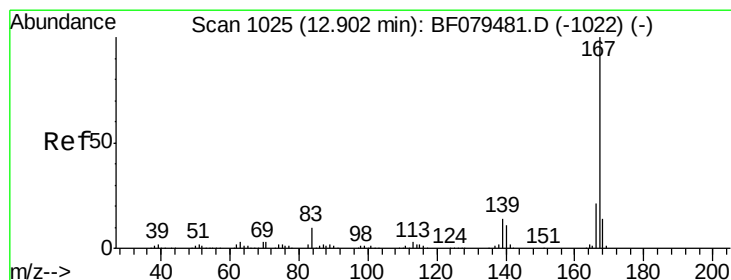
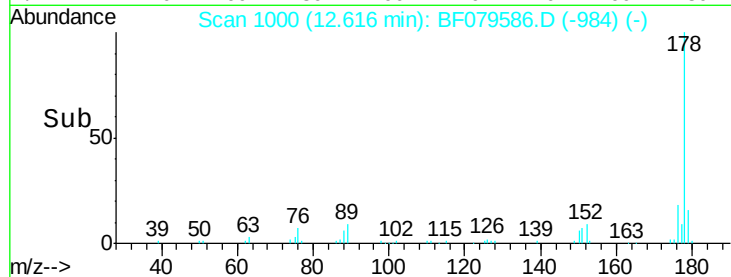
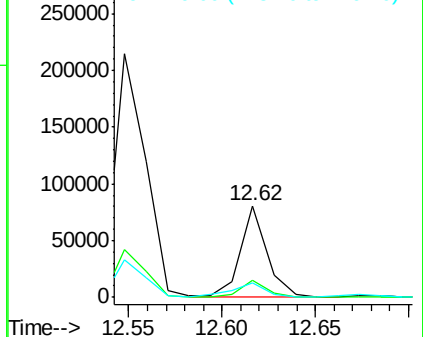
Tot Ion:178	Resp:	79607
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.3 22.9
179	15.9	12.2 18.4

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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



#72

Carbazole

Concen: 2.41 ng

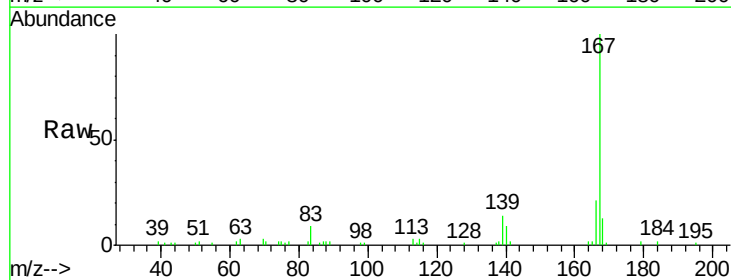
RT: 12.83 min Scan# 1019

Delta R.T. -0.01 min

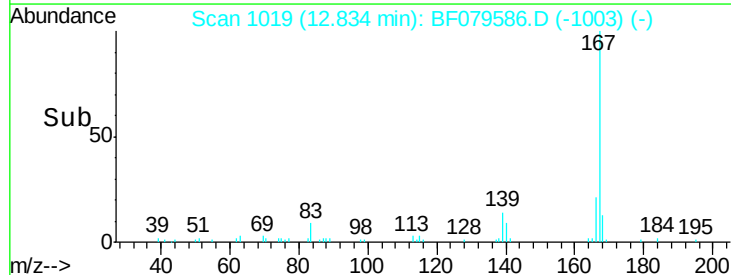
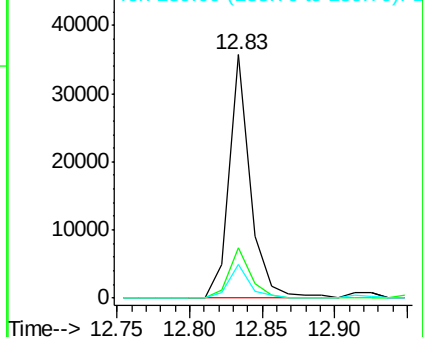
Lab File: BF079586.D

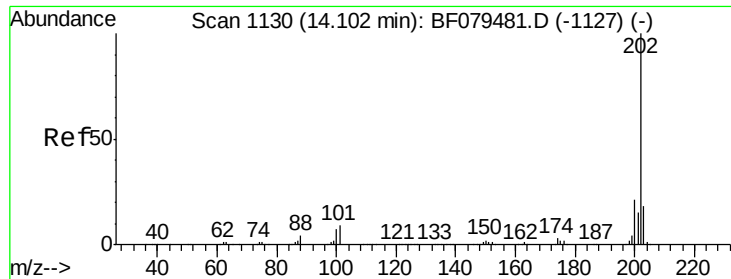
Acq: 30 May 2015 5:39

Tgt Ion:167	Resp:	36263
Ion Ratio	Lower	Upper
167	100	
166	20.9	17.0 25.4
139	13.8	11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 23.04 ng

RT: 14.02 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Instrument :

BNA_F

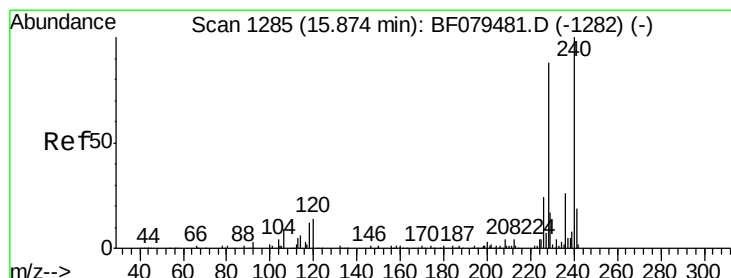
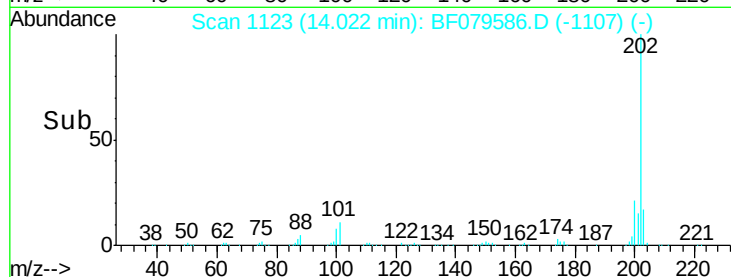
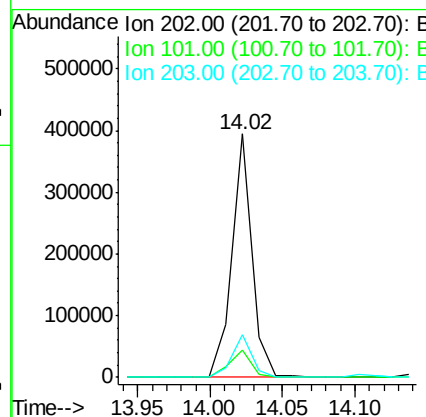
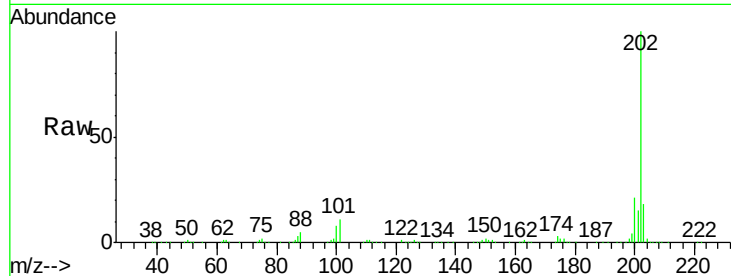
ClientSampleId :

HY-SB402A(2.0-2.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		380249		
101	11.0	0.0	29.3		
203	17.5	0.0	37.6		

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#75

Chrysene-d12

Concen: 20.00 ng

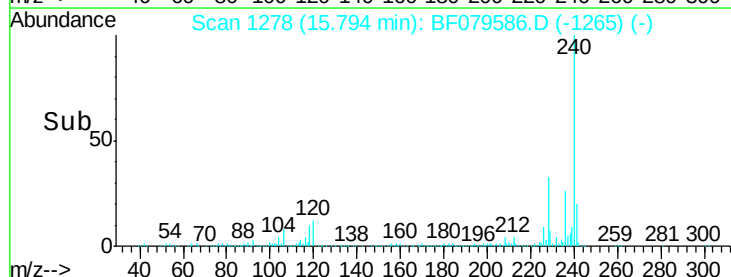
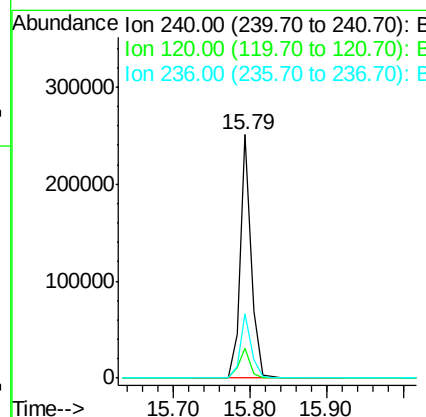
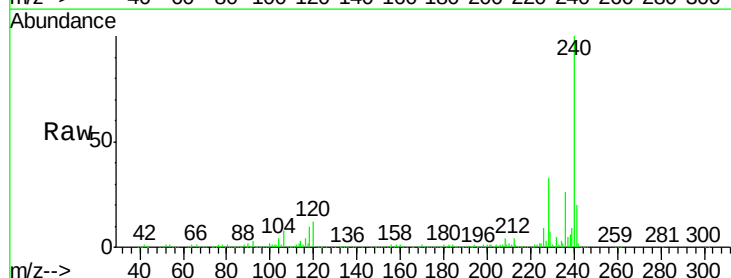
RT: 15.79 min Scan# 1278

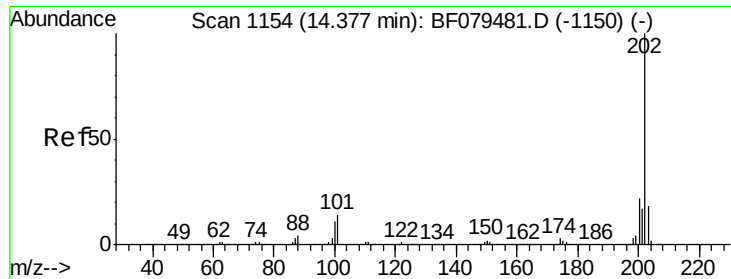
Delta R.T. -0.05 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		258282		
120	12.1	10.8	16.2		
236	26.3	21.0	31.6		





#77

Pvrene

Concen: 25.55 ng

RT: 14.30 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Instrument :

BNA_F

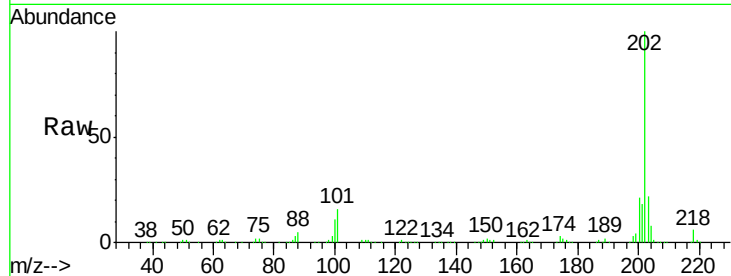
ClientSampleId :

HY-SB402A(2.0-2.5)

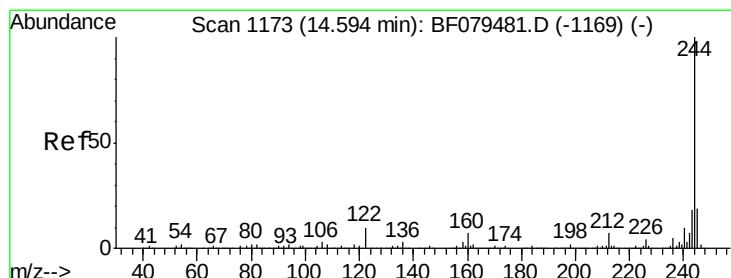
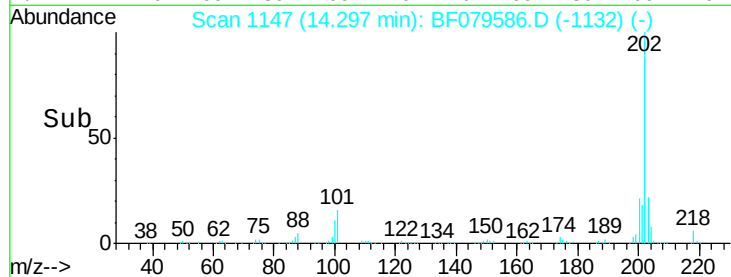
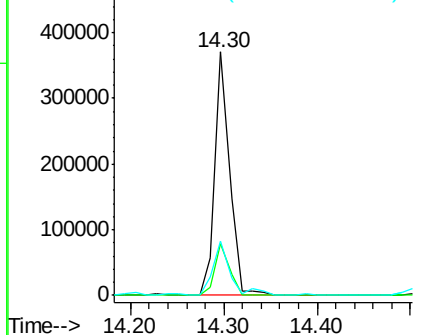
Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.5	26.3	
203	22.3	14.4	21.6	

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



#78

Terphenyl-d14

Concen: 12.45 ng

RT: 14.51 min Scan# 1166

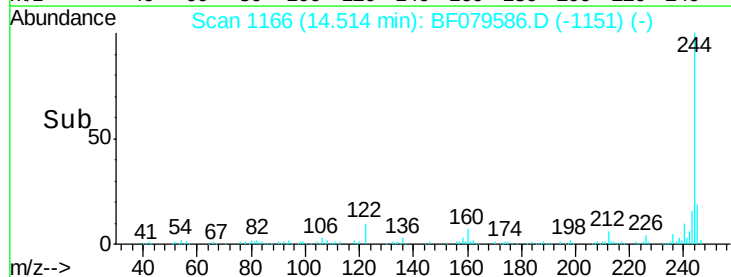
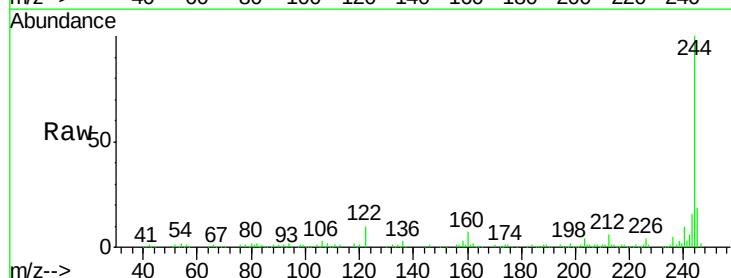
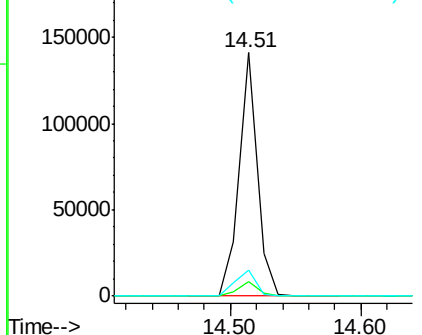
Delta R.T. -0.02 min

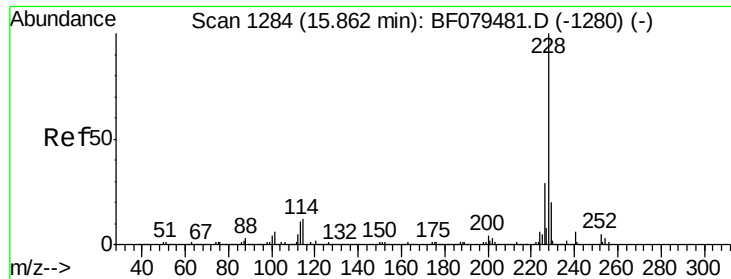
Lab File: BF079586.D

Acq: 30 May 2015 5:39

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.0	5.2	7.8	
122	10.5	8.0	12.0	

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





#80

Benzo(a)anthracene

Concen: 21.49 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.05 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Instrument :

BNA_F

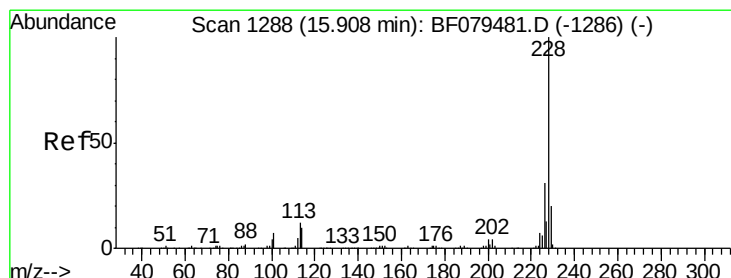
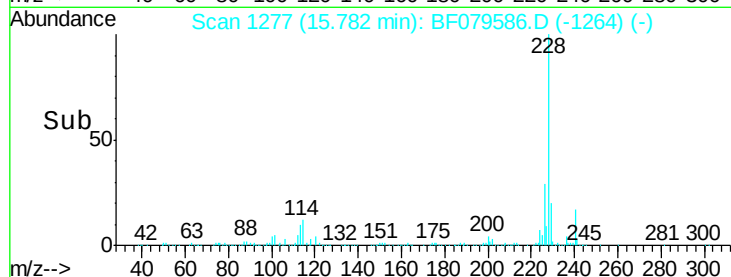
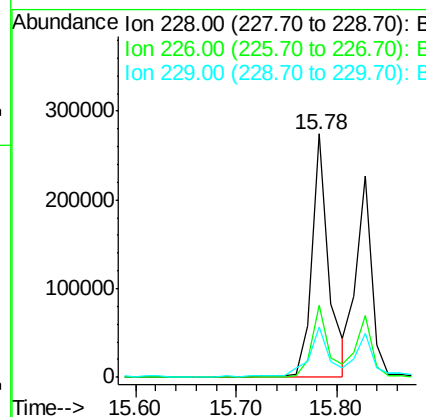
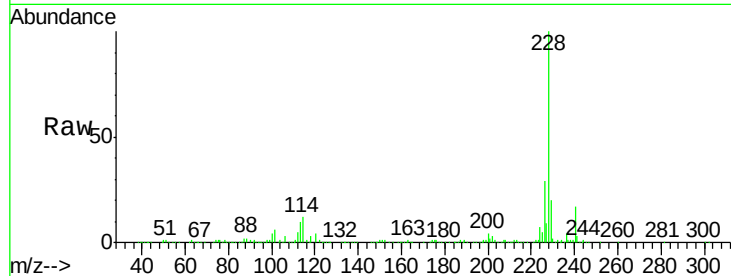
ClientSampleId :

HY-SB402A(2.0-2.5)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	319323		
226	29.5	22.8	34.2	
229	20.5	15.9	23.9	

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#82

Chrysene

Concen: 17.43 ng

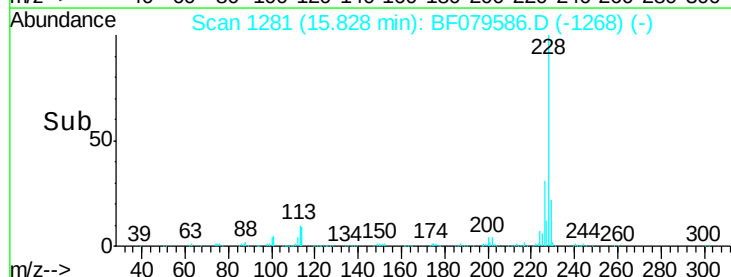
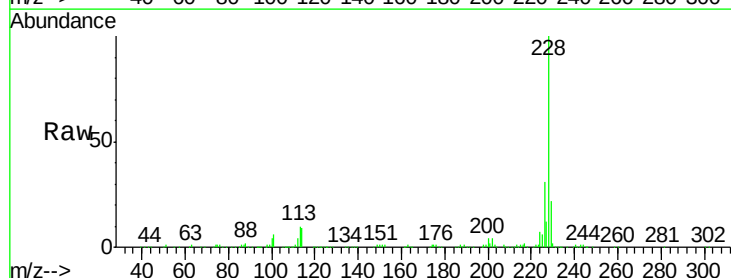
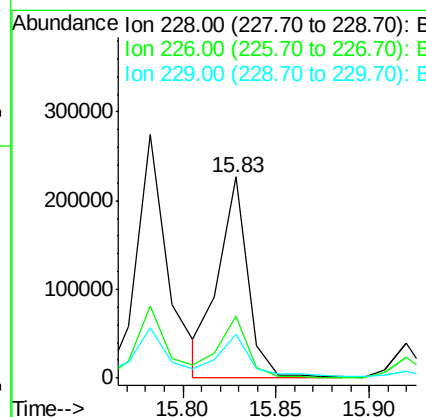
RT: 15.83 min Scan# 1281

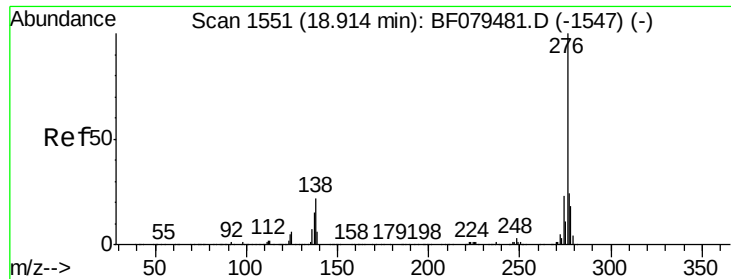
Delta R.T. -0.05 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	246121		
226	30.7	25.0	37.4	
229	22.2	15.9	23.9	





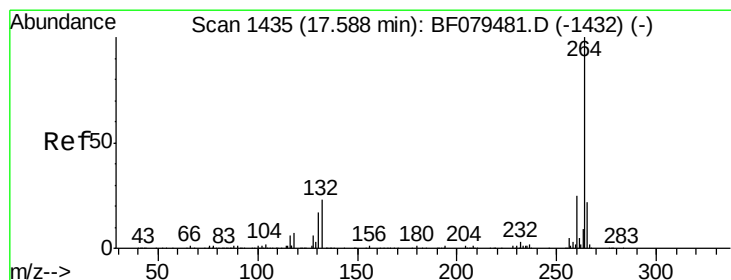
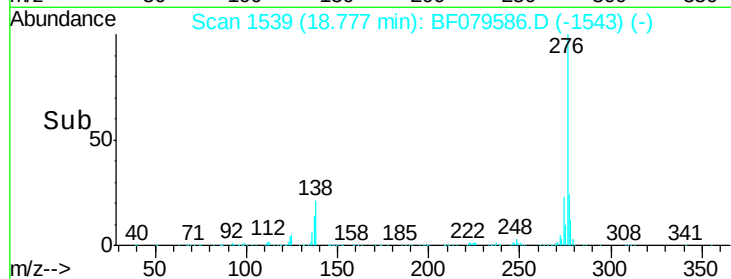
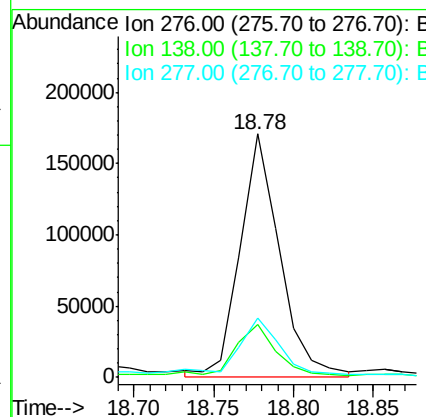
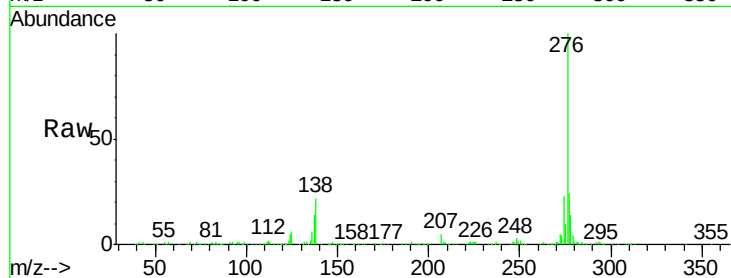
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.29 ng/mL
RT: 18.78 min Scan# 1539
Delta R.T. -0.24 min
Lab File: BF079586.D
Acq: 30 May 2015 5:39

Instrument :
BNA_F
ClientSampleId :
HY-SB402A(2.0-2.5)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	3.4	21.4	32.2#
277	4.1	19.8	29.6#

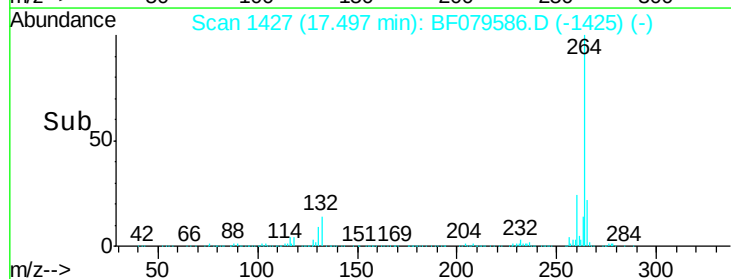
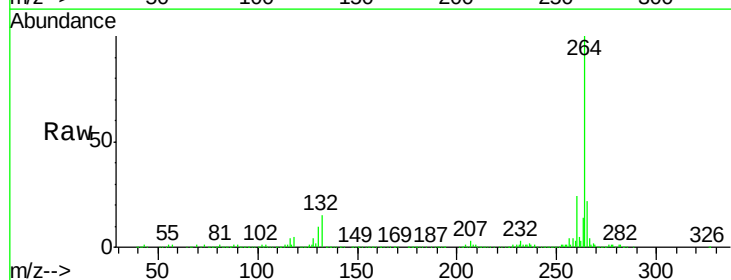
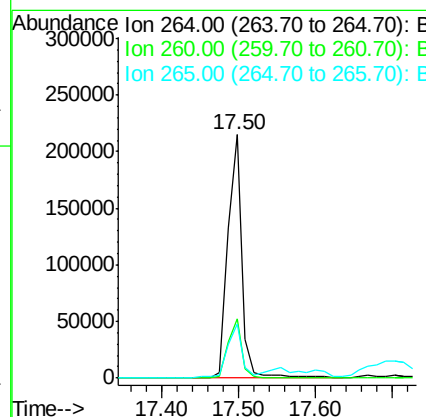
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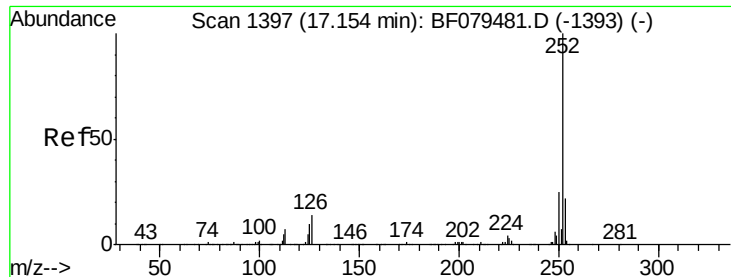
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.50 min Scan# 1427
Delta R.T. -0.17 min
Lab File: BF079586.D
Acq: 30 May 2015 5:39

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.5	19.8	29.8
265	22.3	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 31.77 ng m

RT: 17.06 min Scan# 1389

Delta R.T. -0.14 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

Instrument :

BNA_F

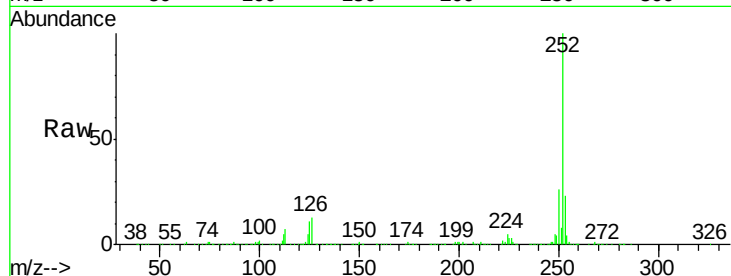
ClientSampleId :

HY-SB402A(2.0-2.5)

Tot Ion:	252	Resp:	511842
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	11.3	7.8	11.6

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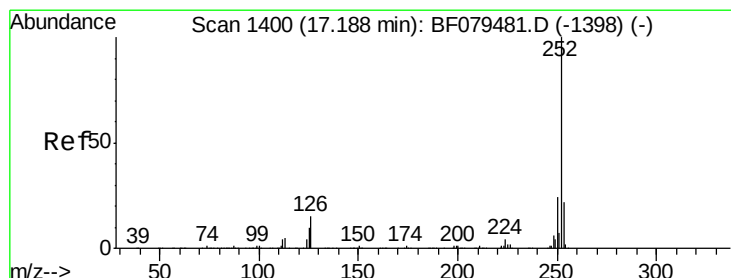
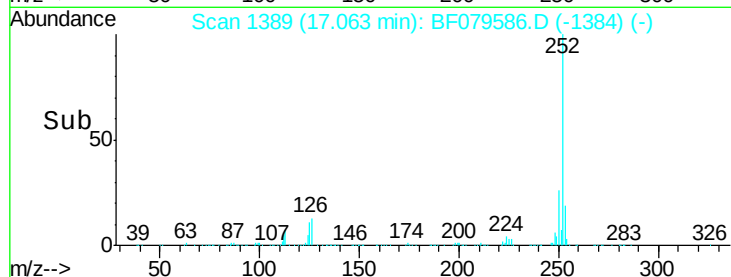
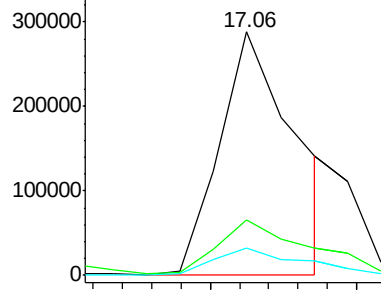


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.45 ng m

RT: 17.09 min Scan# 1391

Delta R.T. -0.15 min

Lab File: BF079586.D

Acq: 30 May 2015 5:39

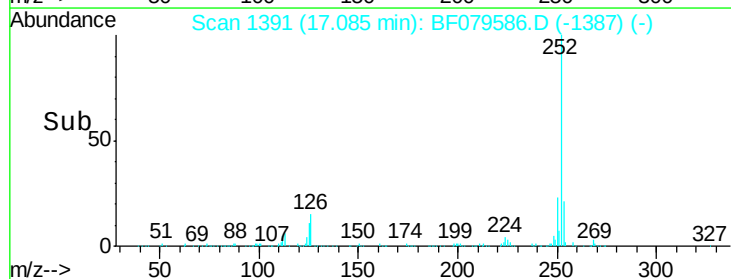
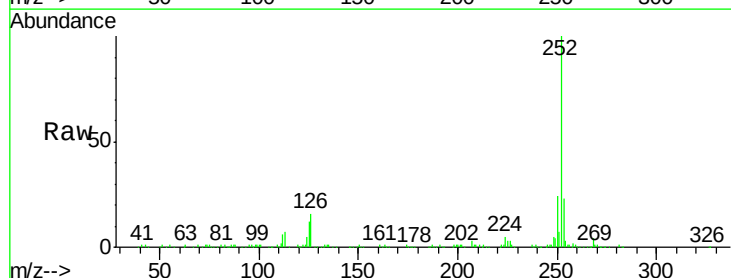
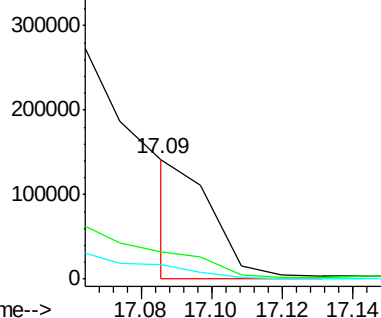
Tgt Ion:	252	Resp:	92862
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	12.0	6.8	10.2#

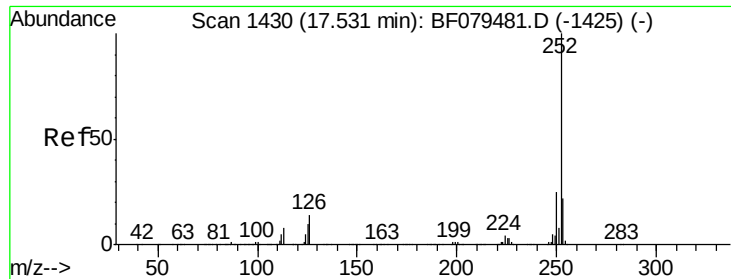
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





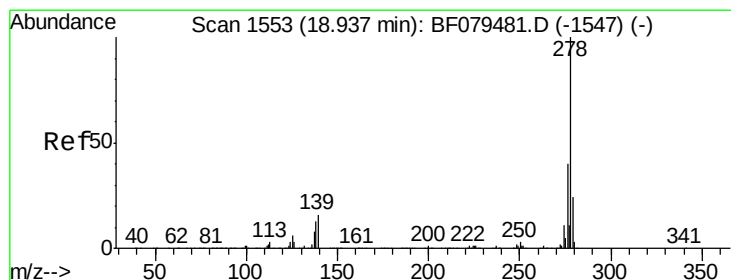
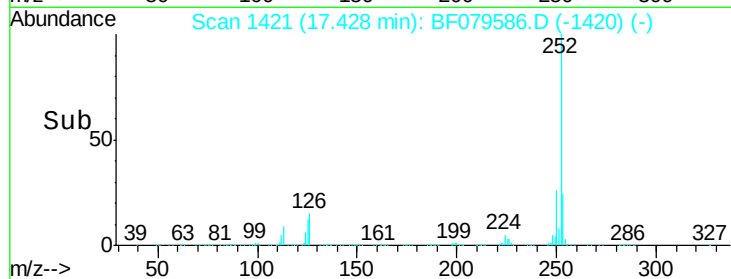
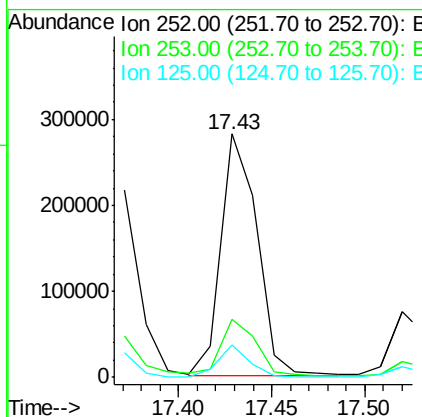
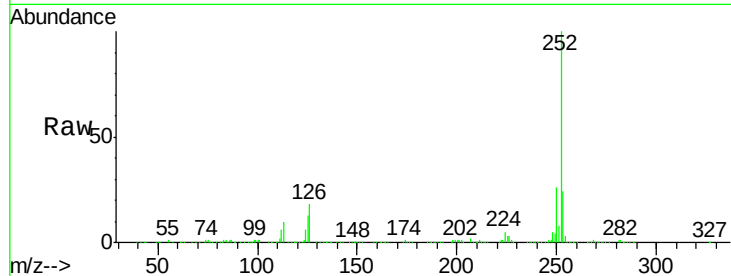
#89
Benzo(a)pyrene
Concen: 26.47 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.18 min
Lab File: BF079586.D
Acq: 30 May 2015 5:39

Instrument :
BNA_F
ClientSampleId :
HY-SB402A(2.0-2.5)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	17.8	26.8
125	13.1	7.9	11.9

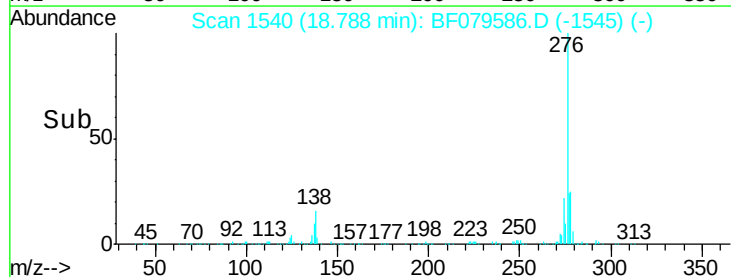
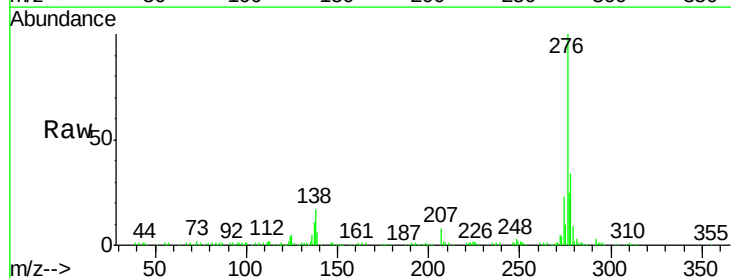
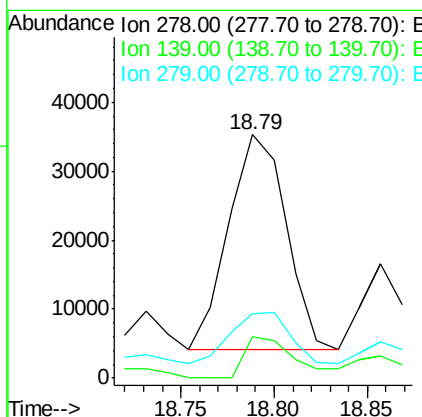
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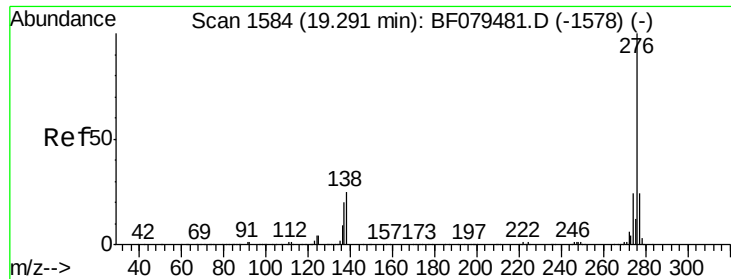
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#90
Dibenzo(a,h)anthracene
Concen: 3.13 ng
RT: 18.79 min Scan# 1540
Delta R.T. -0.25 min
Lab File: BF079586.D
Acq: 30 May 2015 5:39

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	17.2	12.8	19.2
279	26.6	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 18.12 ng
 RT: 19.15 min Scan# 1572
 Delta R.T. -0.25 min
 Lab File: BF079586.D
 Acq: 30 May 2015 5:39

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB402A(2.0-2.5)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.7	19.1	28.7
138	20.4	20.1	30.1

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