

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079470.D
 Acq On : 23 May 2015 11:44
 Operator : TP/IZ
 Sample : G2371-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-023

Manual Integrations
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 5/27/2015 8:18:34 AM

Quant Time: May 25 07:49:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	79480	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	320307	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	151542	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	282934	20.00	ng	0.00
75) Chrysene-d12	15.92	240	287319	20.00	ng	0.01
86) Perylene-d12	17.70	264	284450	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	485254m	105.10	ng	0.02
7) Phenol-d6	6.65	99	630129m	103.25	ng	0.02
23) Nitrobenzene-d5	7.75	82	229834	41.24	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	106051	64.69	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	698259	64.19	ng	0.00
78) Terphenyl-d14	14.63	244	727348	60.61	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.65	128	89432	5.86	ng	99
49) Dimethylphthalate	10.49	163	57837	5.20	ng	# 97
51) Acenaphthene	10.83	154	22933	2.49	ng	98
54) Dibenzofuran	11.05	168	37359	2.81	ng	100
57) Fluorene	11.47	166	34008	3.12	ng	98
70) Phenanthrene	12.66	178	458864	28.99	ng	99
71) Anthracene	12.73	178	107581	6.93	ng	98
72) Carbazole	12.94	167	52987	3.58	ng	97
74) Fluoranthene	14.14	202	560169	33.96	ng	98
77) Pyrene	14.41	202	499954	30.20	ng	96
80) Benzo(a)anthracene	15.91	228	298576	18.98	ng	96
82) Chrysene	15.95	228	243934	16.12	ng	98
85) Indeno(1,2,3-cd)pyrene	19.06	276	166216m	8.62	ng	
87) Benzo(b)fluoranthene	17.25	252	329375m	21.16	ng	
88) Benzo(k)fluoranthene	17.26	252	136767m	9.07	ng	
89) Benzo(a)pyrene	17.63	252	251158	17.52	ng	97
90) Dibenzo(a,h)anthracene	19.07	278	47349	3.11	ng	# 92
91) Benzo(g,h,i)perylene	19.45	276	167627	10.98	ng	96

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

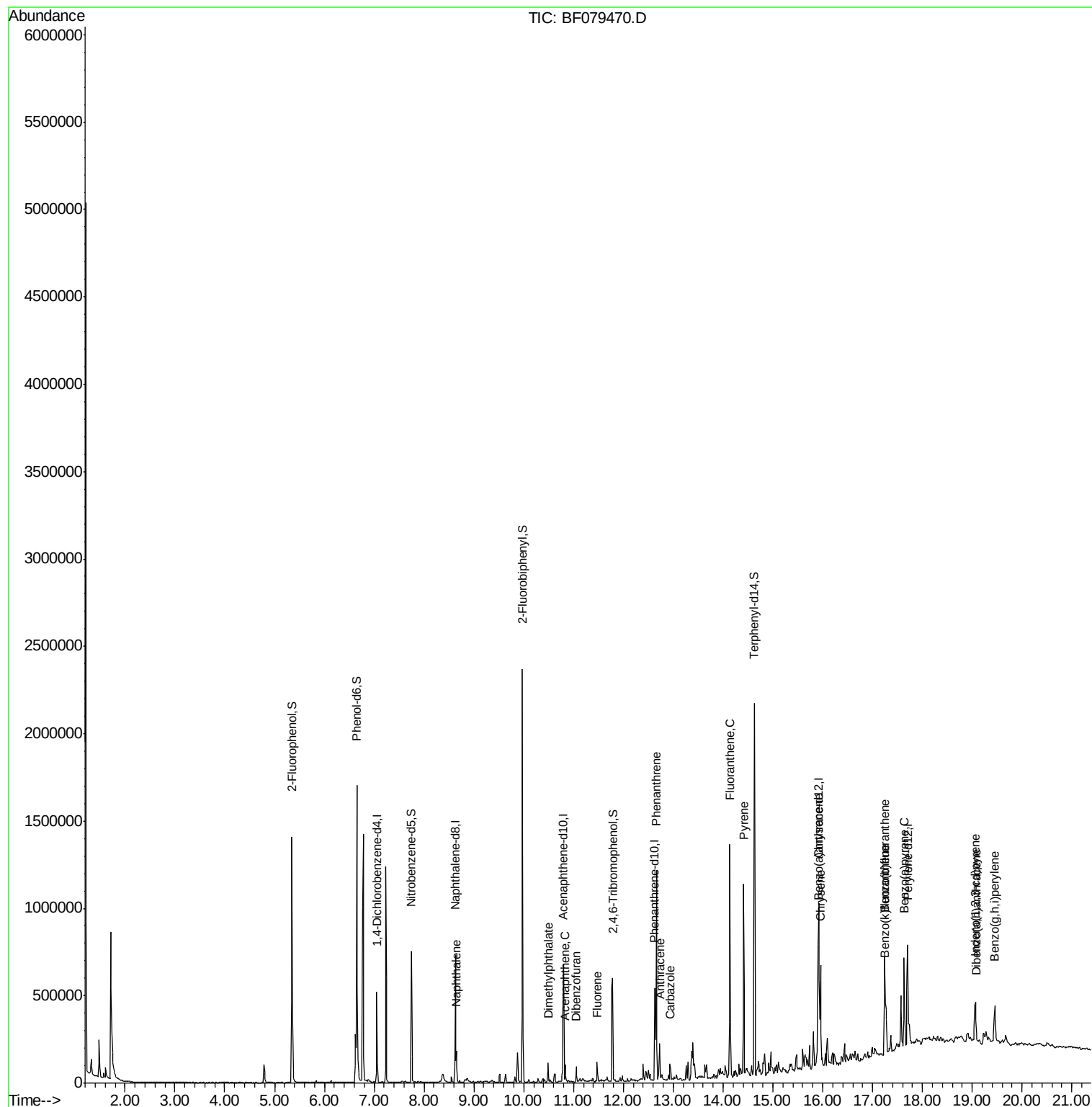
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
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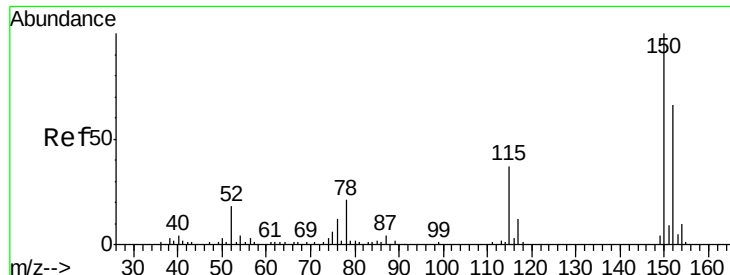
Instrument :
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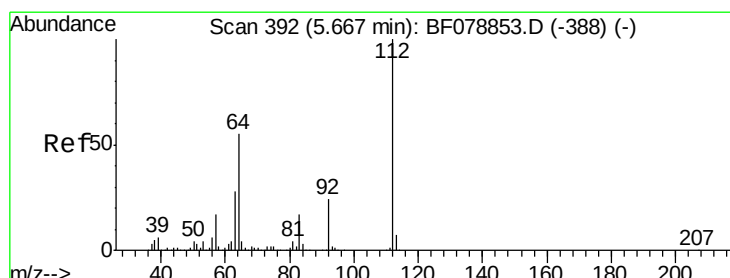
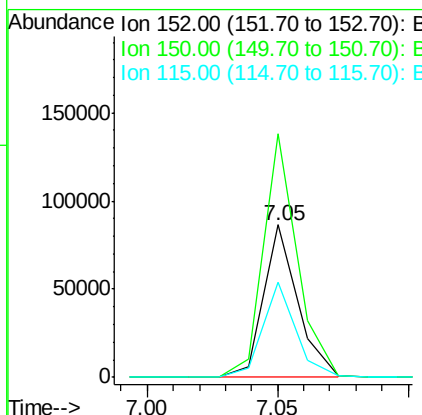
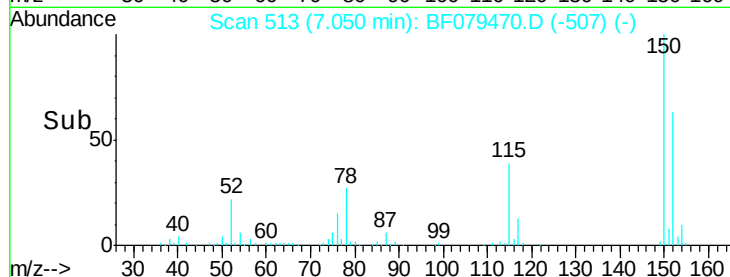
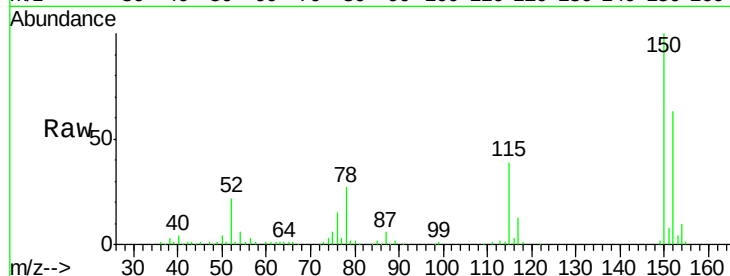
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079470.D
 Acq: 23 May 2015 11:44

Instrument :
 BNA_F
 ClientSampleId :
 SW-023

Tot Ion:	152	Resp:	79480
Ion Ratio	Lower	Upper	
152	100		
150	159.6	123.8	185.8
115	62.6	49.4	74.0

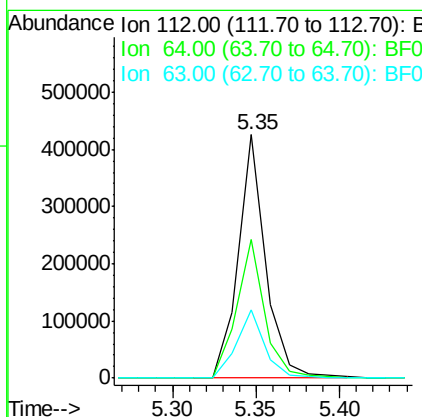
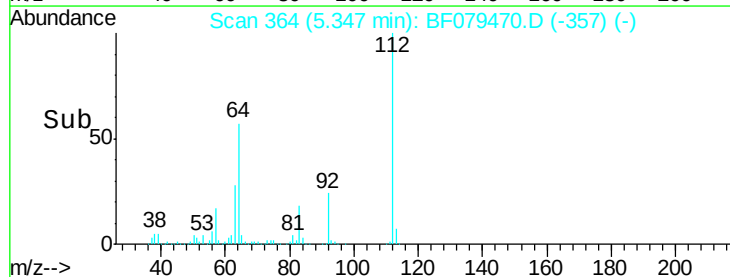
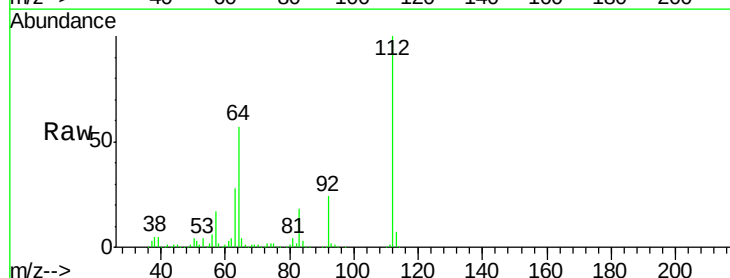
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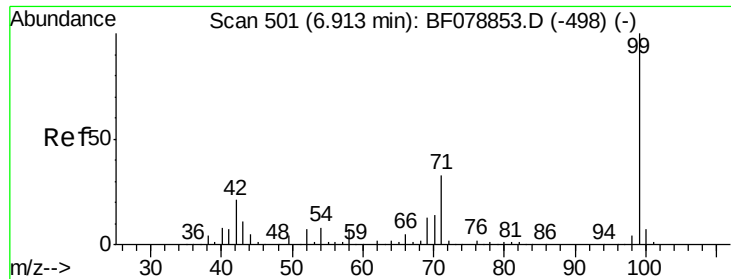
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#5
 2-Fluorophenol
 Concen: 105.10 ng m
 RT: 5.35 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: BF079470.D
 Acq: 23 May 2015 11:44

Tgt Ion:	112	Resp:	485254
Ion Ratio	Lower	Upper	
112	100		
64	56.8	44.2	66.2
63	28.1	22.7	34.1





#7

Phenol-d6

Concen: 103.25 ng/mL

RT: 6.65 min Scan# 478

Delta R.T. 0.02 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Instrument :

BNA_F

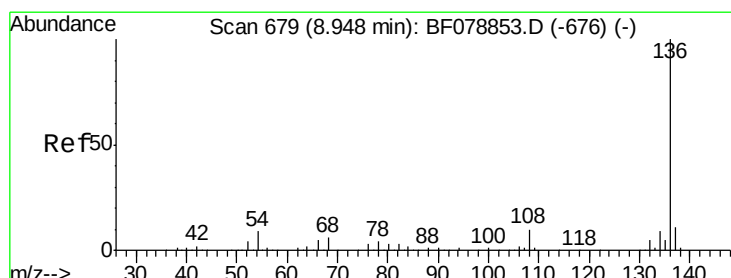
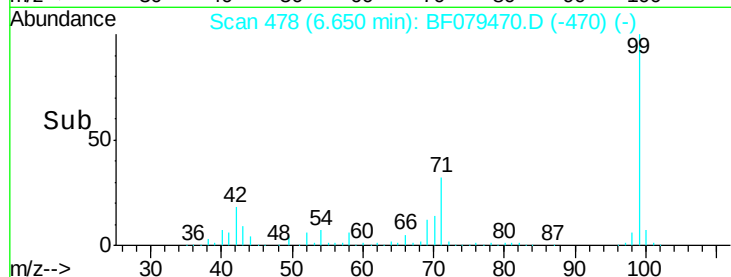
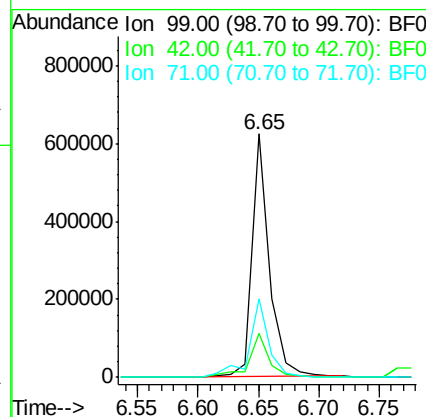
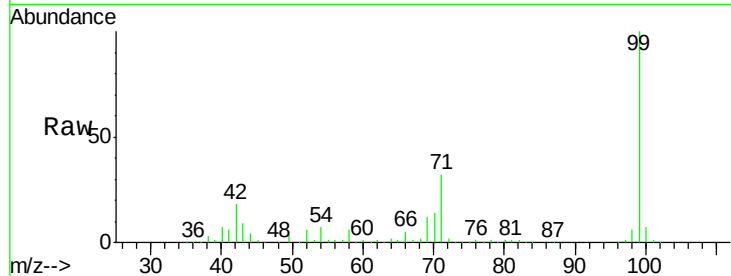
ClientSampled :

SW-023

Tot Ion:	99	Resp:	630129
Ion Ratio	Lower	Upper	
99	100		
42	18.3	17.1	25.7
71	32.0	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

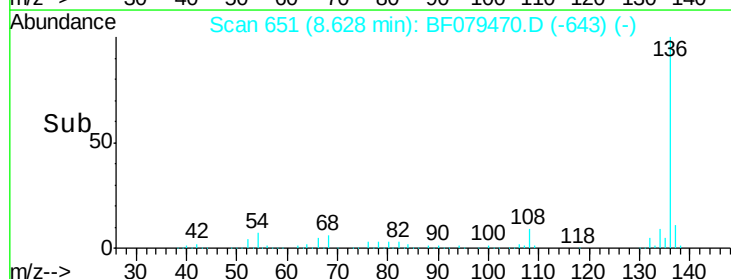
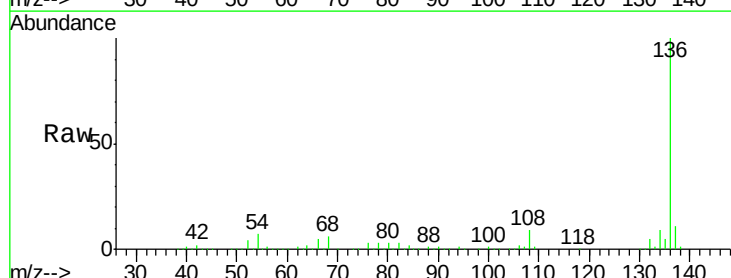
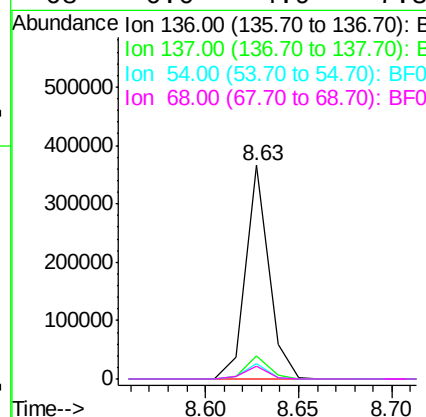
RT: 8.63 min Scan# 651

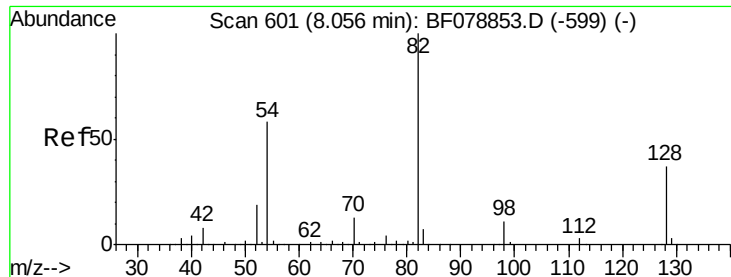
Delta R.T. -0.00 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Tgt Ion:	136	Resp:	320307
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.5	6.9	10.3
68	6.0	4.9	7.3





#23

Nitrobenzene-d5

Concen: 41.24 ng

RT: 7.75 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Instrument :

BNA_F

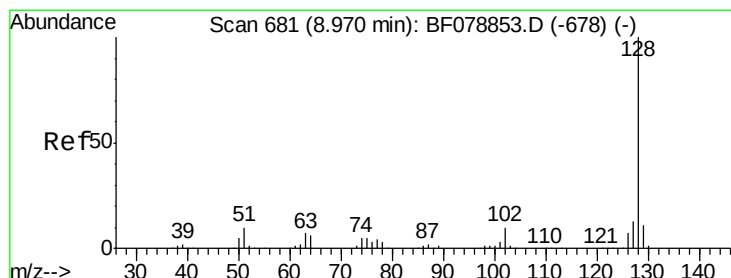
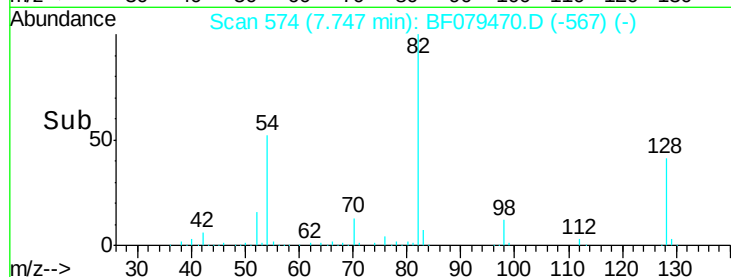
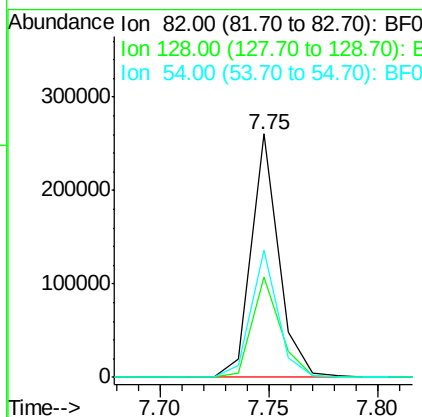
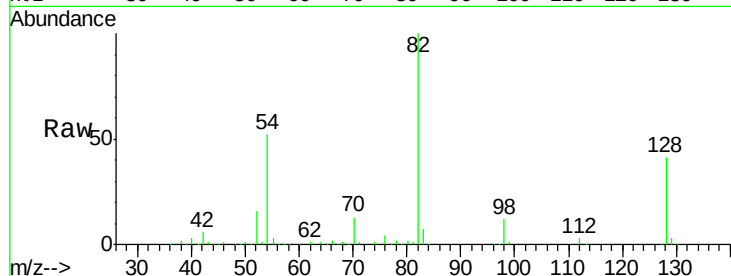
ClientSampled :

SW-023

Tot Ion:	82	Resp:	229834
Ion Ratio	Lower	Upper	
82	100		
128	41.2	29.7	44.5
54	52.2	46.2	69.4

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#31

Naphthalene

Concen: 5.86 ng

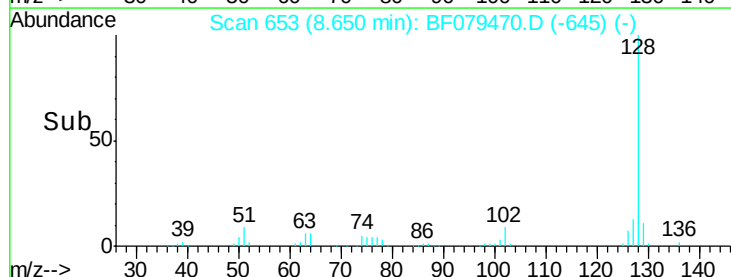
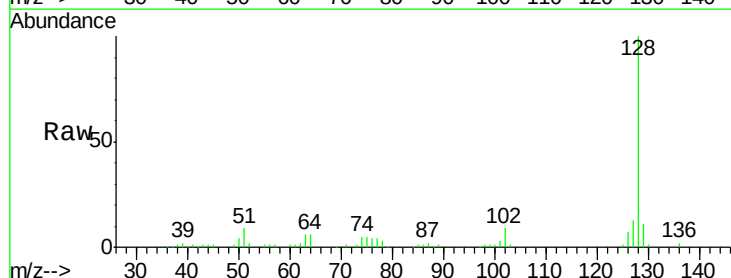
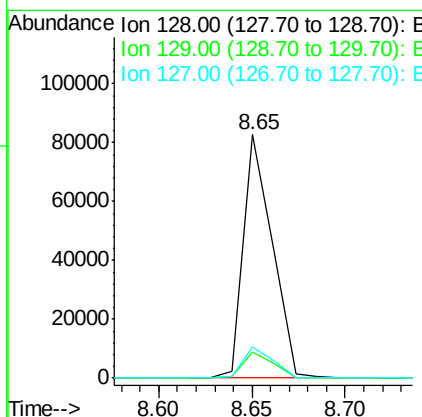
RT: 8.65 min Scan# 653

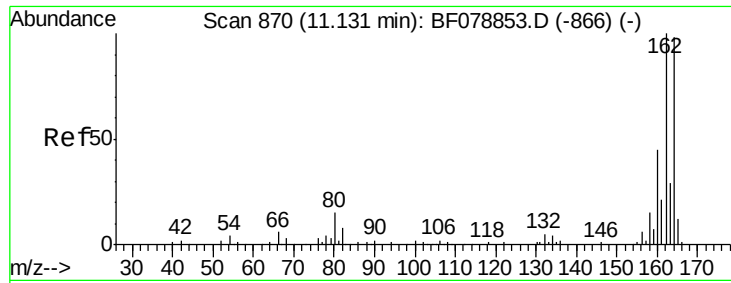
Delta R.T. -0.00 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Tgt Ion:	128	Resp:	89432
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.2	13.8
127	12.7	10.3	15.5





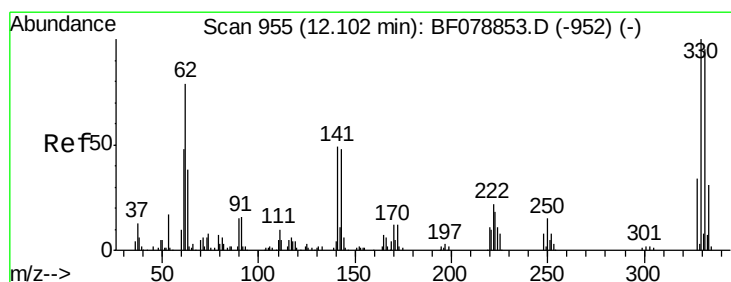
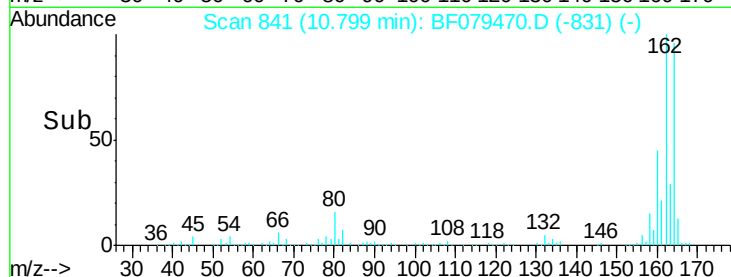
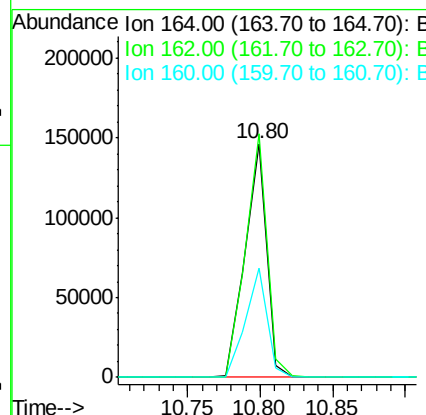
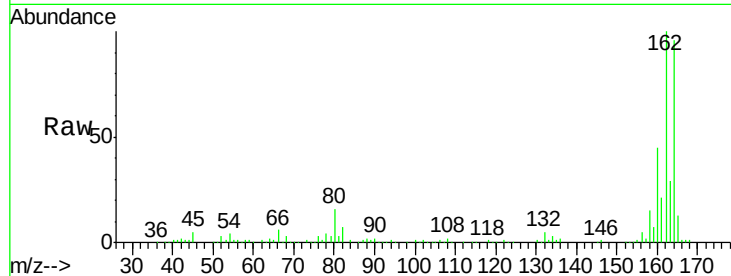
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.80 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF079470.D
 Acq: 23 May 2015 11:44

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.4	122.0
160	46.5	36.6	54.8

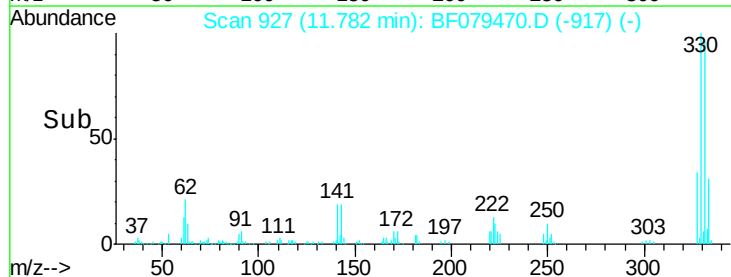
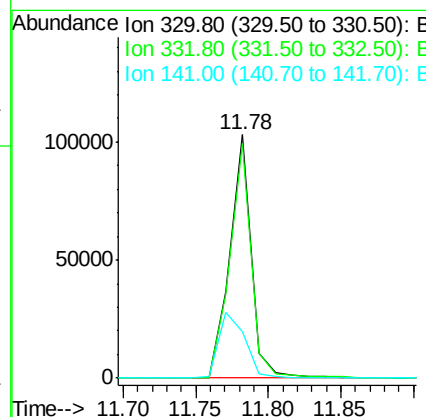
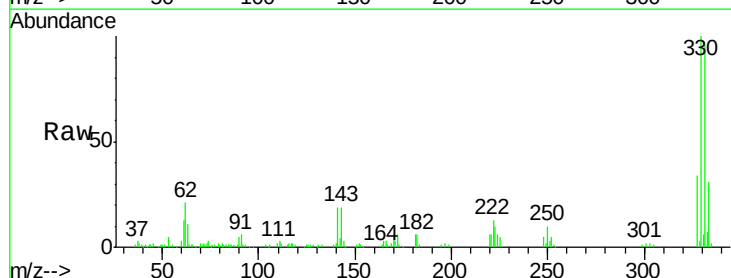
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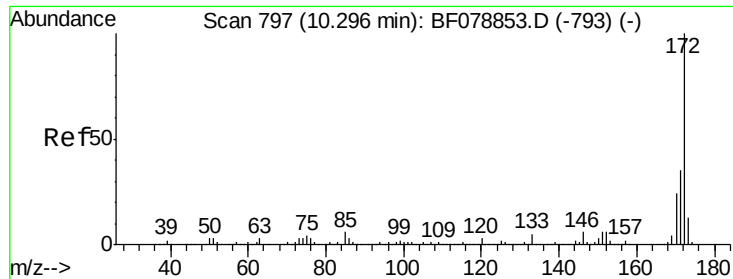
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#41
 2,4,6-Tribromophenol
 Concen: 64.69 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079470.D
 Acq: 23 May 2015 11:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	33.5	27.8	41.8





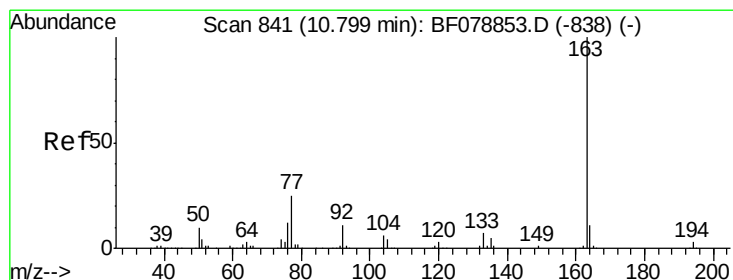
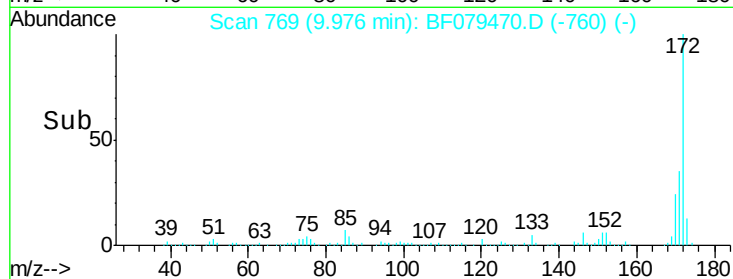
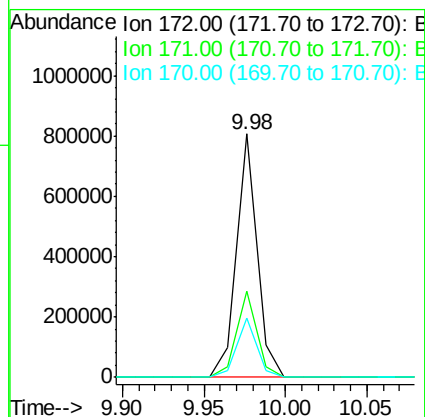
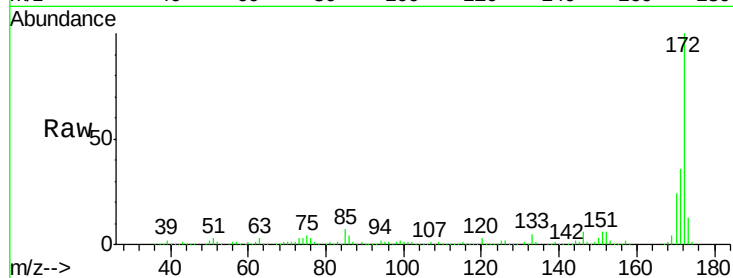
#44
2-Fluorobiphenyl
Concen: 64.19 ng
RT: 9.98 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Instrument :
BNA_F
ClientSampled :
SW-023

Tot Ion	Ratio	Resp	Lower	Upper
172	100	698259		
171	35.6		28.3	42.5
170	24.2		19.4	29.2

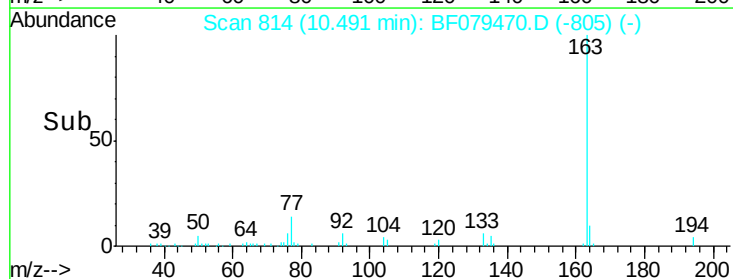
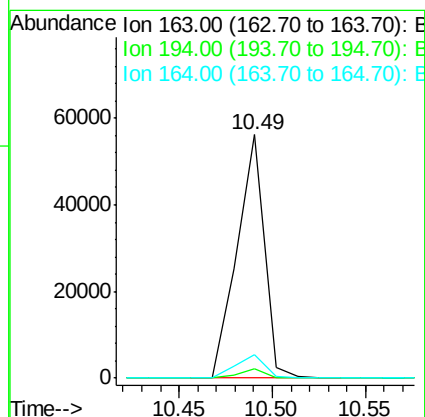
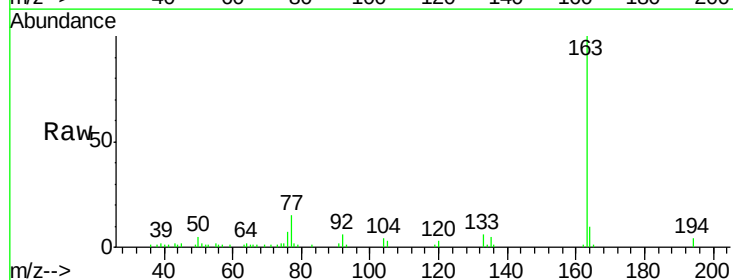
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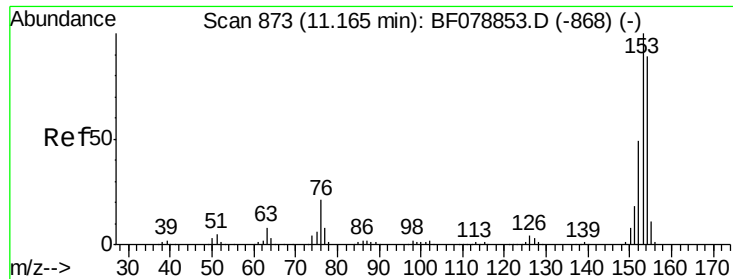
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#49
Dimethylphthalate
Concen: 5.20 ng
RT: 10.49 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	57837		
194	4.0		2.4	3.6#
164	9.6		8.6	12.8





#51

Acenaphthene

Concen: 2.49 ng

RT: 10.83 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Instrument :

BNA_F

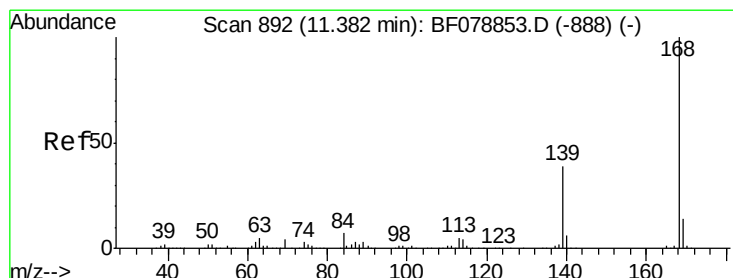
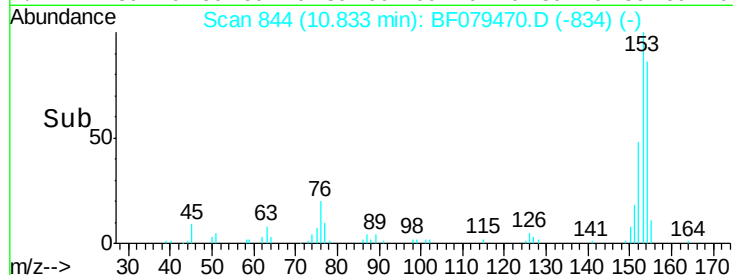
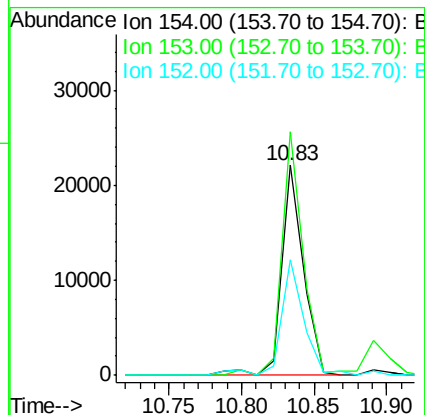
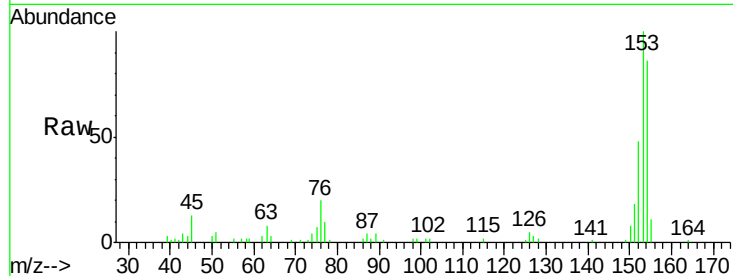
ClientSampleId :

SW-023

Tot Ion:	154	Resp:	22933
Ion	Ratio	Lower	Upper
154	100		
153	116.1	90.2	135.2
152	55.4	43.8	65.8

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#54

Dibenzofuran

Concen: 2.81 ng

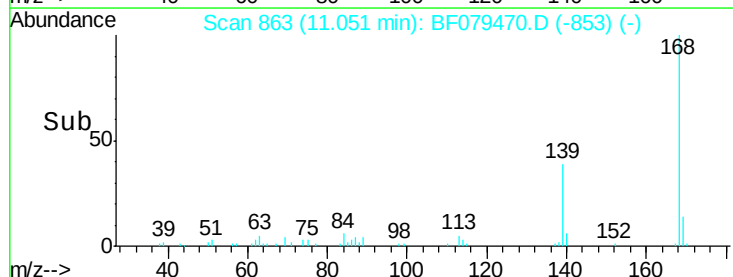
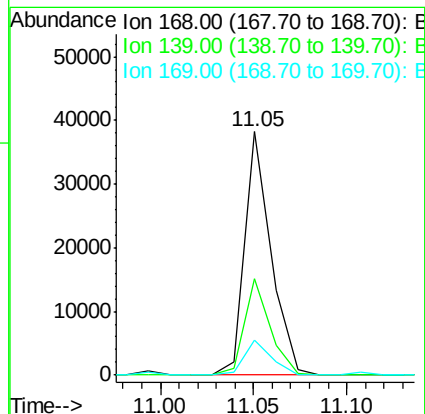
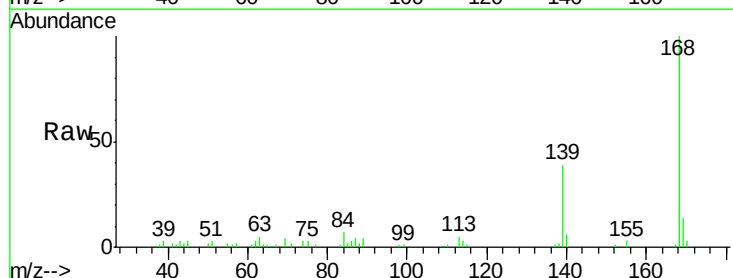
RT: 11.05 min Scan# 863

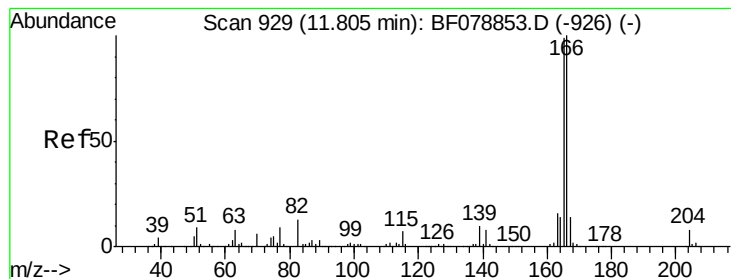
Delta R.T. -0.00 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Tgt Ion:	168	Resp:	37359
Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.5	47.3
169	14.4	11.0	16.4





#57

Fluorene

Concen: 3.12 ng

RT: 11.47 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Instrument :

BNA_F

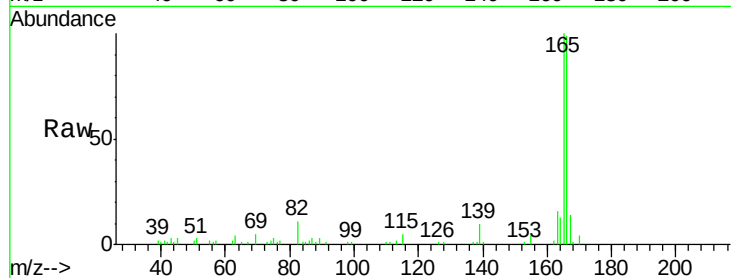
ClientSampleId :

SW-023

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.5	119.3
167	14.7	11.0	16.6

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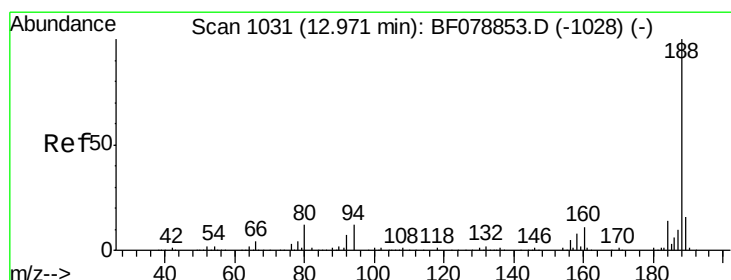
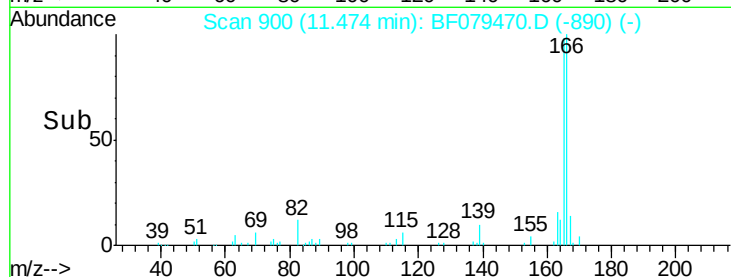
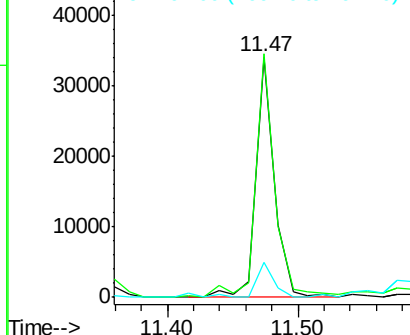
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.63 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF079470.D

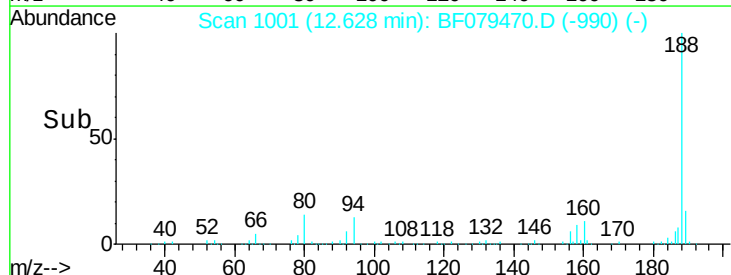
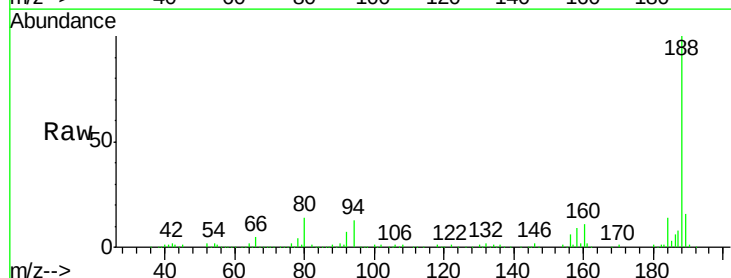
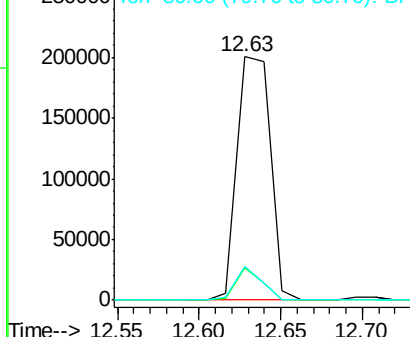
Acq: 23 May 2015 11:44

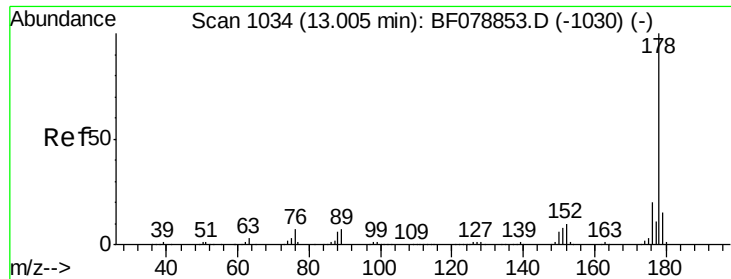
Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.2	9.4	14.0
80	13.9	9.8	14.6

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





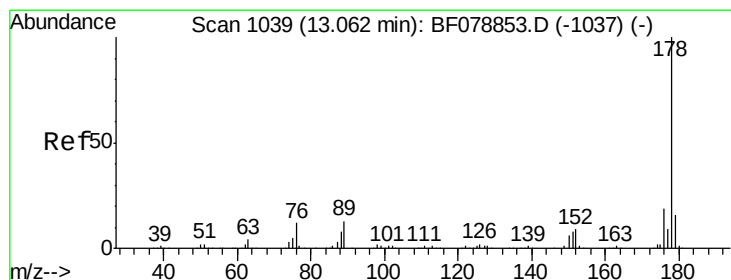
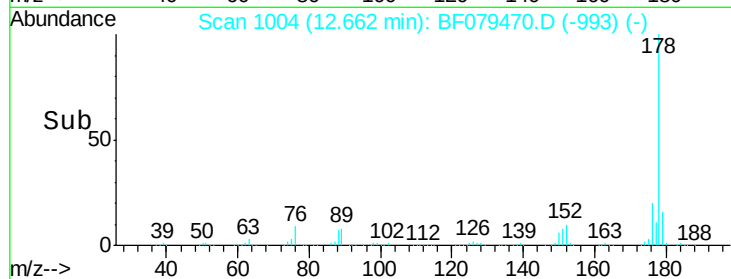
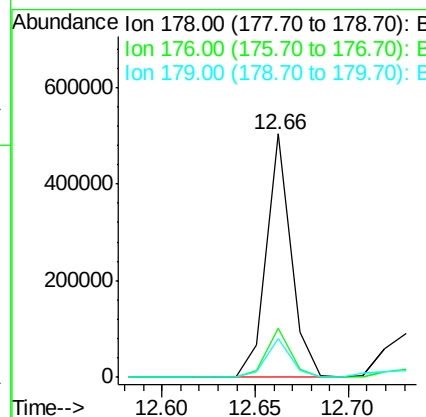
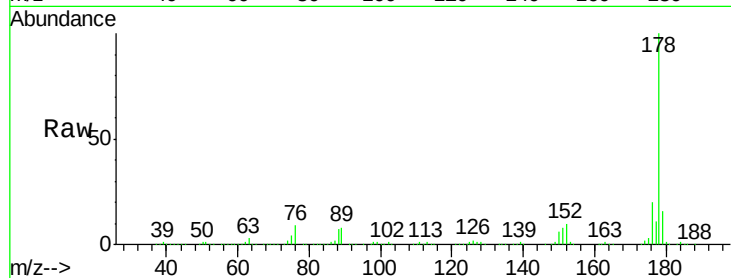
#70
Phenanthrene
Concen: 28.99 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Instrument :
BNA_F
ClientSampleId :
SW-023

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.9	23.9
179	16.1	12.2	18.4

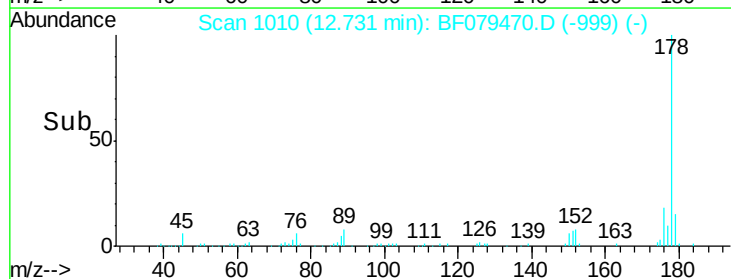
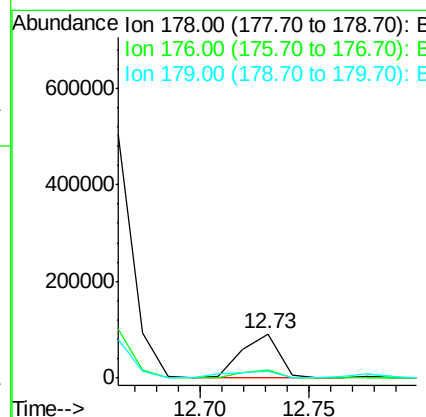
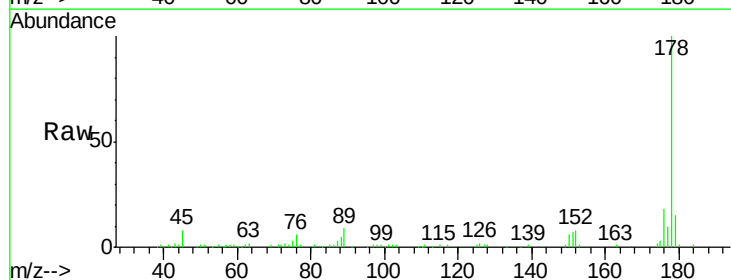
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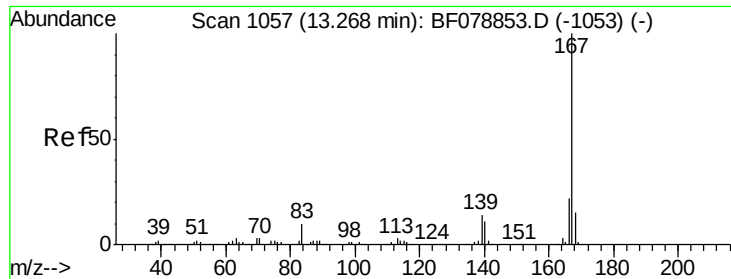
apatel
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#71
Anthracene
Concen: 6.93 ng
RT: 12.73 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.3	22.9
179	15.3	12.6	19.0





#72

Carbazole

Concen: 3.58 ng

RT: 12.94 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Instrument :

BNA_F

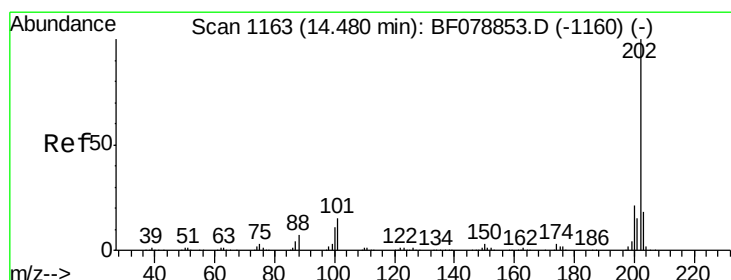
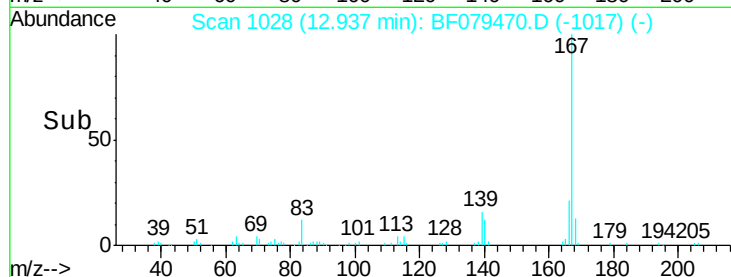
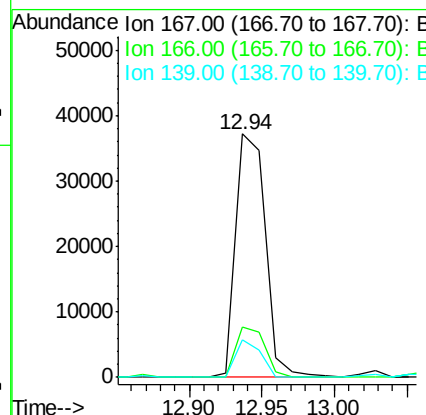
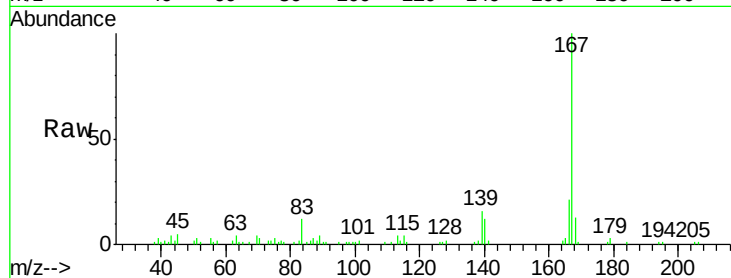
ClientSampled :

SW-023

Tot Ion:	167	Resp:	52987
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.5	26.3
139	15.5	11.0	16.4

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#74

Fluoranthene

Concen: 33.96 ng

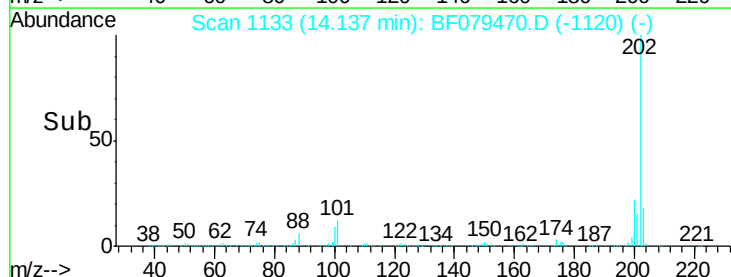
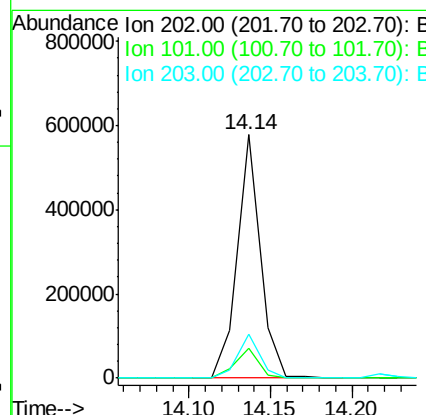
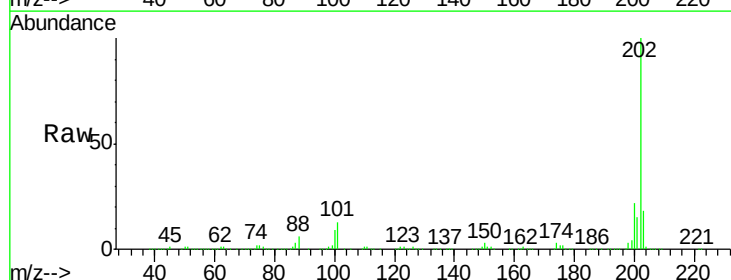
RT: 14.14 min Scan# 1133

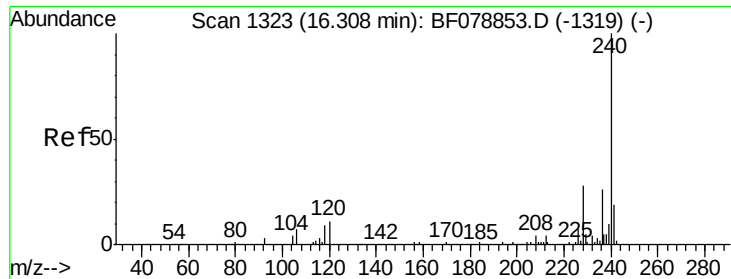
Delta R.T. -0.00 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Tgt Ion:	202	Resp:	560169
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	34.7
203	17.8	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Instrument :

BNA_F

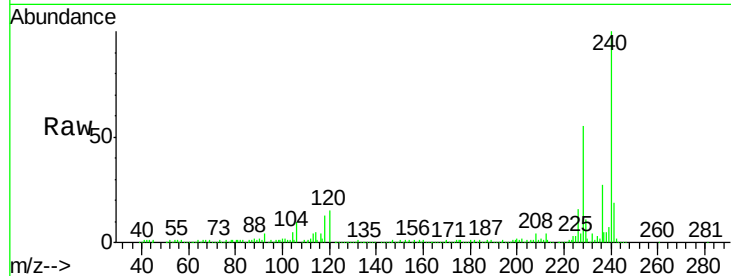
ClientSampleId :

SW-023

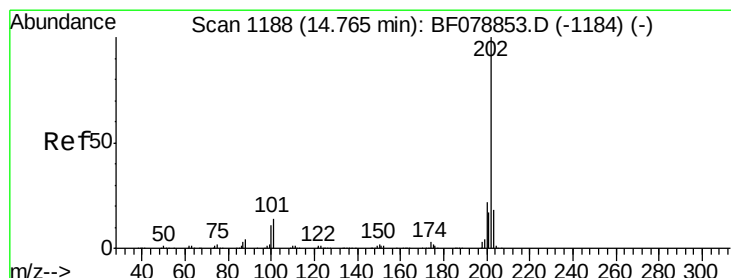
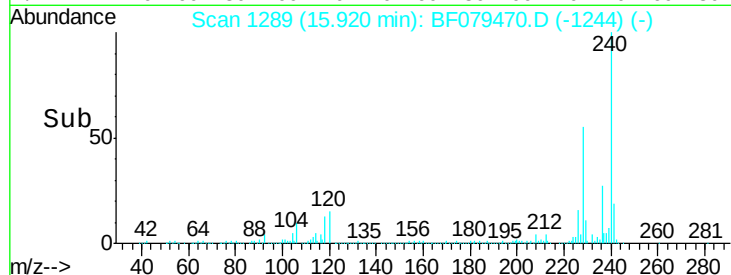
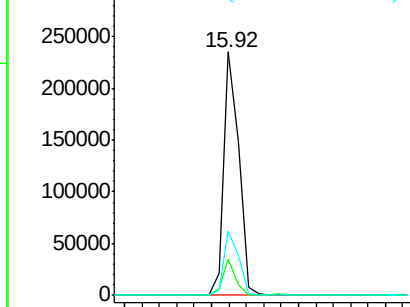
Tot Ion:	240	Resp:	287319
Ion Ratio	Lower	Upper	
240	100		
120	14.9	8.6	12.8#
236	26.7	21.0	31.6

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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

Pyrene

Concen: 30.20 ng

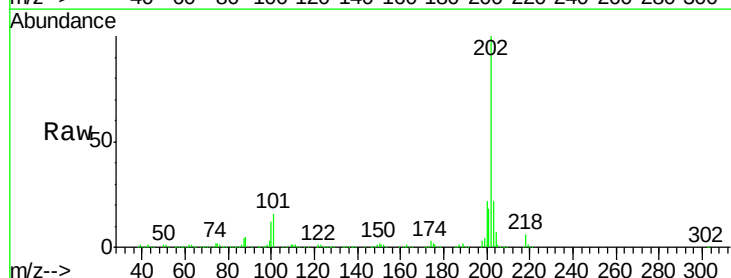
RT: 14.41 min Scan# 1157

Delta R.T. -0.00 min

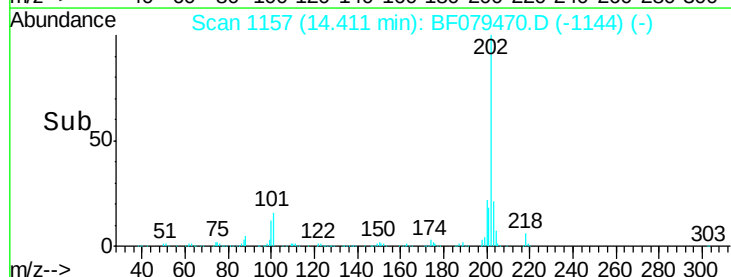
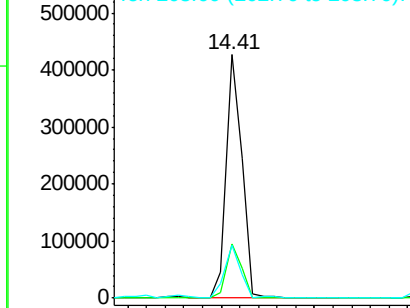
Lab File: BF079470.D

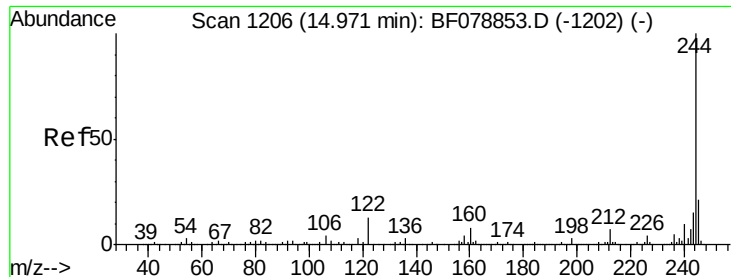
Acq: 23 May 2015 11:44

Tgt Ion:	202	Resp:	499954
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.5	26.3
203	21.8	14.7	22.1



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





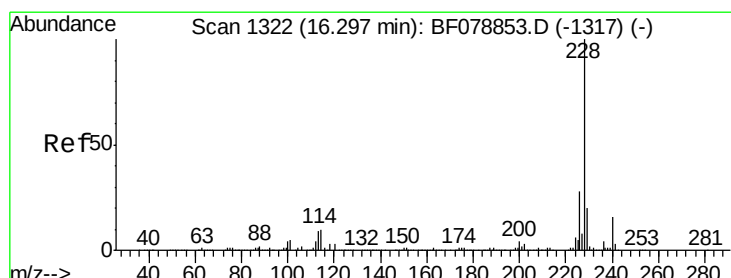
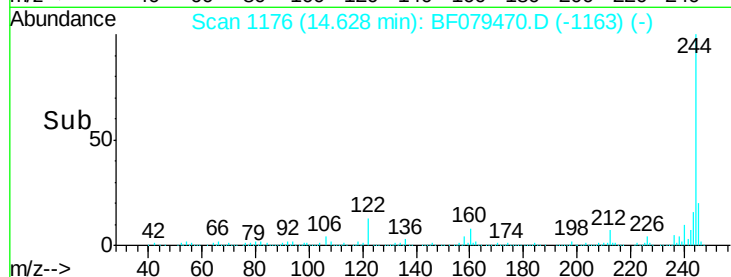
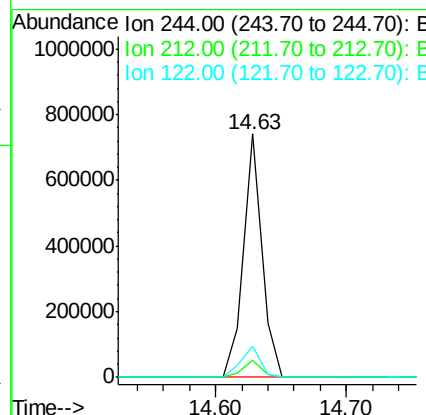
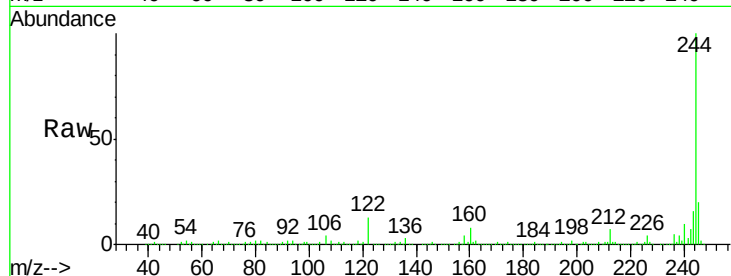
#78
 Terphenyl-d14
 Concen: 60.61 ng
 RT: 14.63 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF079470.D
 Acq: 23 May 2015 11:44

Instrument :
 BNA_F
 ClientSampled :
 SW-023

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.6	10.5	15.7

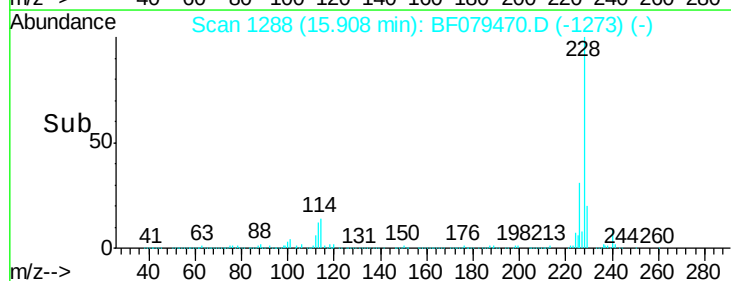
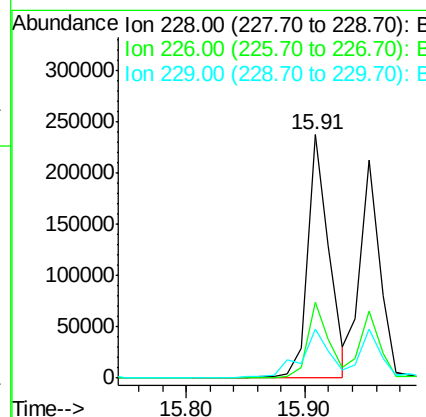
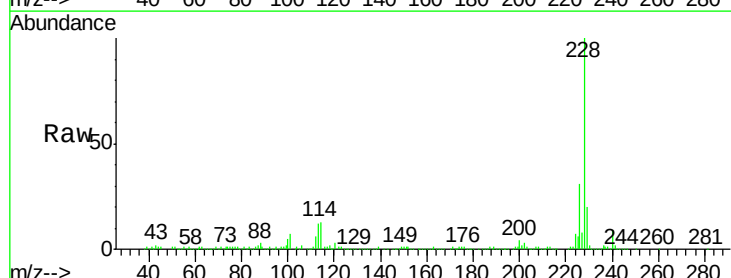
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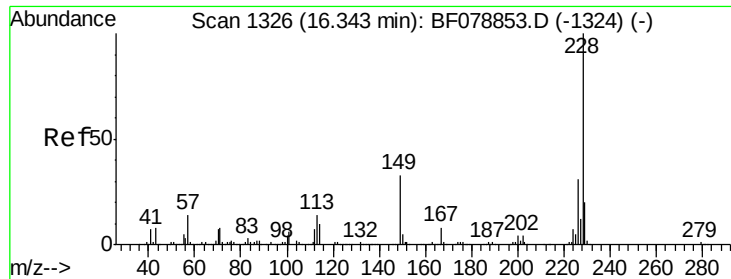
apatel
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#80
 Benzo(a)anthracene
 Concen: 18.98 ng
 RT: 15.91 min Scan# 1288
 Delta R.T. 0.01 min
 Lab File: BF079470.D
 Acq: 23 May 2015 11:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.3	33.5
229	20.1	16.1	24.1





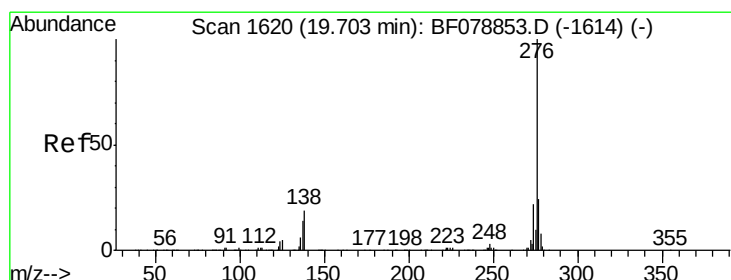
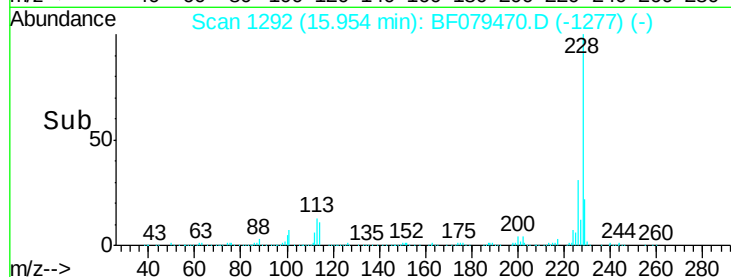
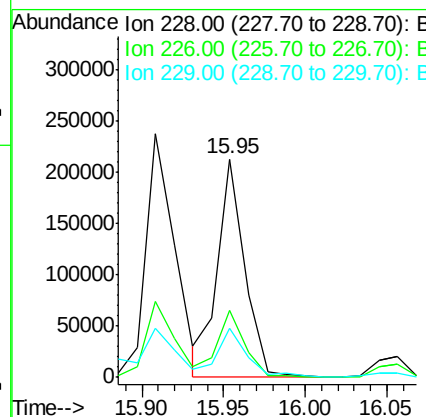
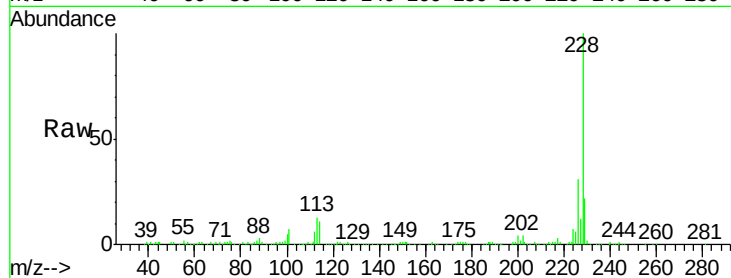
#82
Chrysene
Concen: 16.12 ng
RT: 15.95 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Instrument :
BNA_F
ClientSampleId :
SW-023

Tot Ion:	228	Resp:	243934
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.8	37.2
229	22.2	16.1	24.1

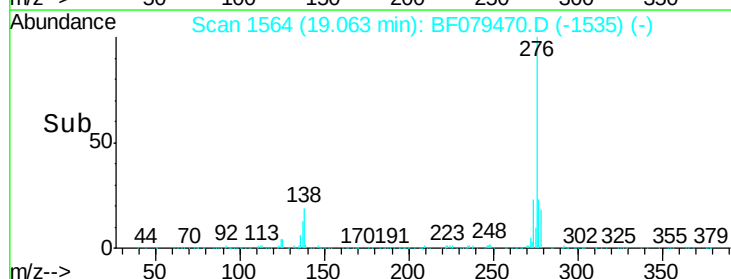
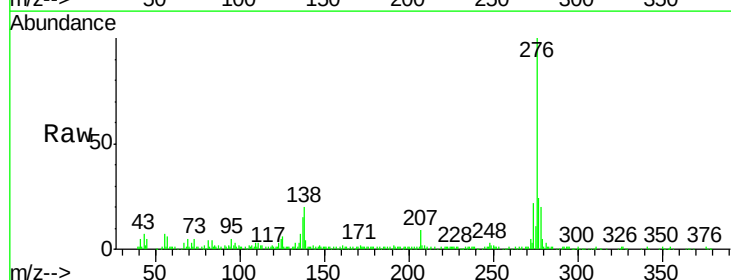
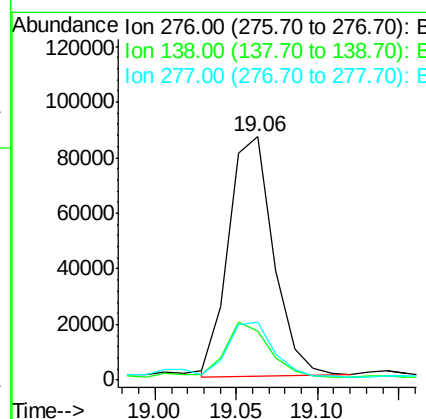
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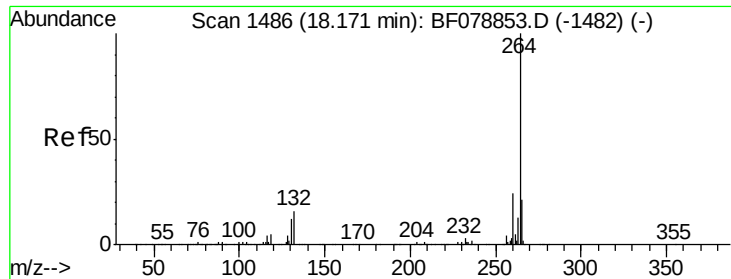
apatel
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.62 ng m
RT: 19.06 min Scan# 1564
Delta R.T. 0.13 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Tgt Ion:	276	Resp:	166216
Ion Ratio	Lower	Upper	
276	100		
138	5.2	21.1	31.7#
277	4.6	19.9	29.9#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.70 min Scan# 1445

Delta R.T. 0.09 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Instrument :

BNA_F

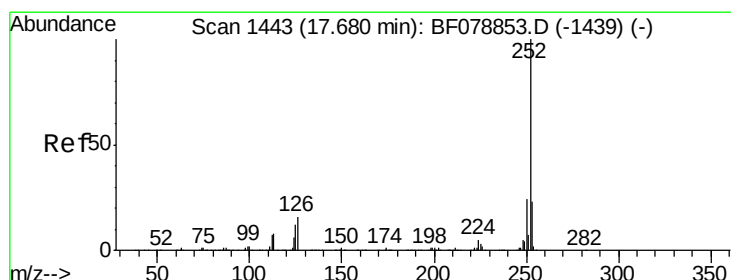
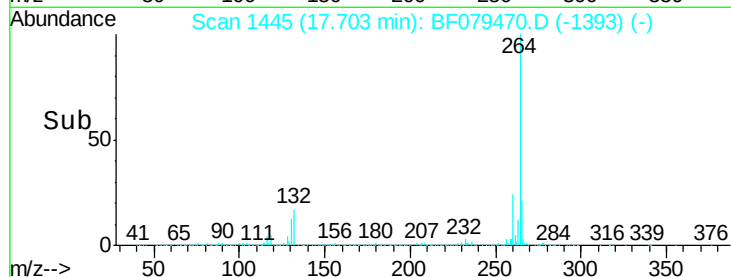
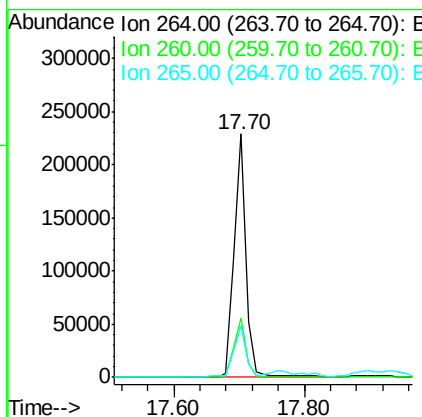
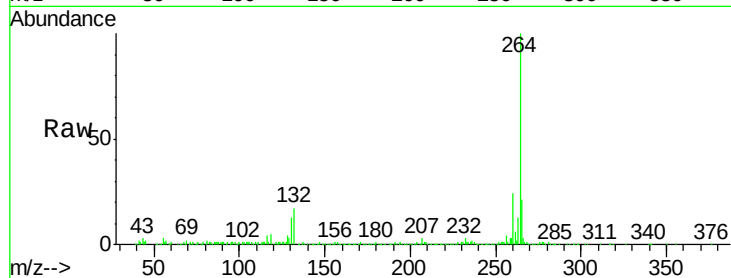
ClientSampleId :

SW-023

Tot Ion:	264	Resp:	284450
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.3	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 21.16 ng m

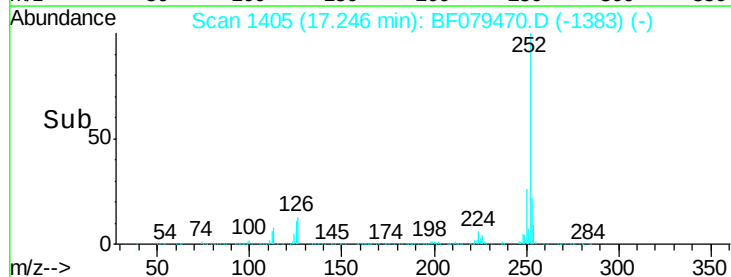
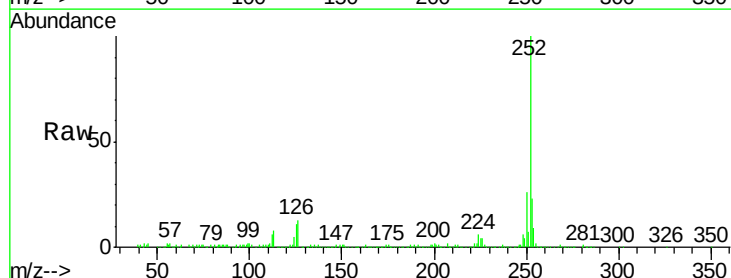
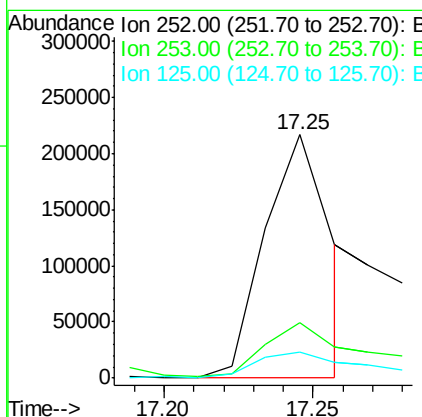
RT: 17.25 min Scan# 1405

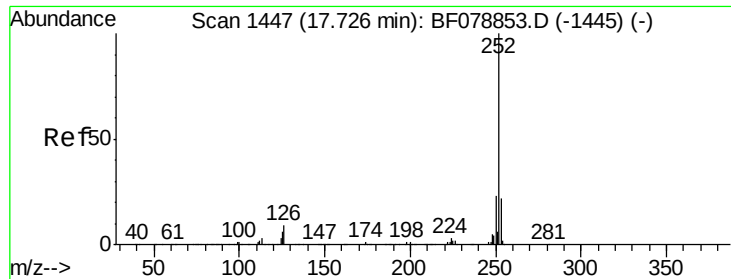
Delta R.T. 0.07 min

Lab File: BF079470.D

Acq: 23 May 2015 11:44

Tgt Ion:	252	Resp:	329375
Ion Ratio		Lower	Upper
252	100		
253	22.6	18.1	27.1
125	10.9	9.4	14.2





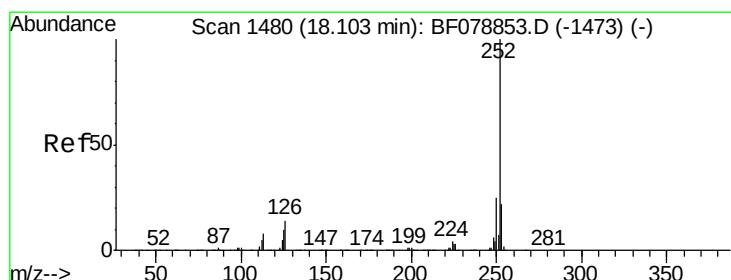
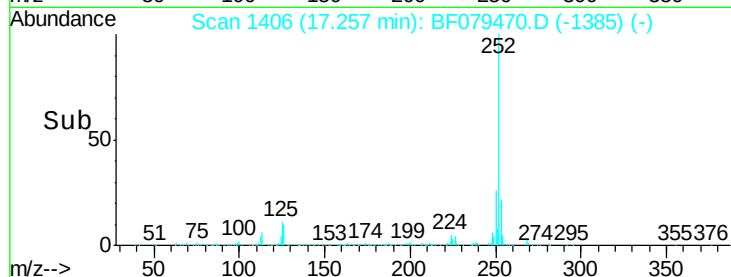
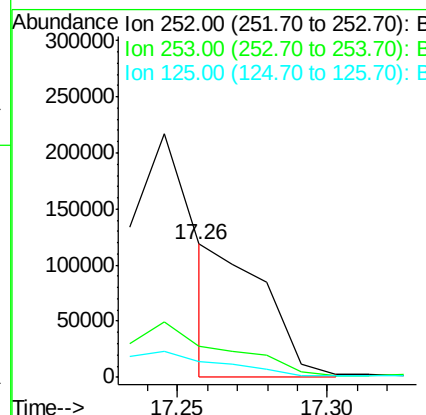
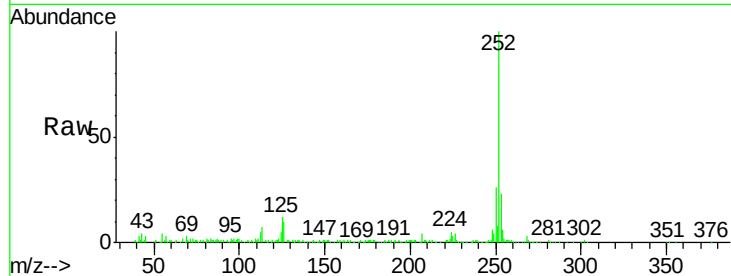
#88
Benzo(k)fluoranthene
Concen: 9.07 ng m
RT: 17.26 min Scan# 1406
Delta R.T. 0.06 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Instrument :
BNA_F
ClientSampleId :
SW-023

Tot Ion	Ratio	Resp	Lower	Upper
252	100	136767		
253	23.1	17.4	26.0	
125	11.8	6.1	9.1	

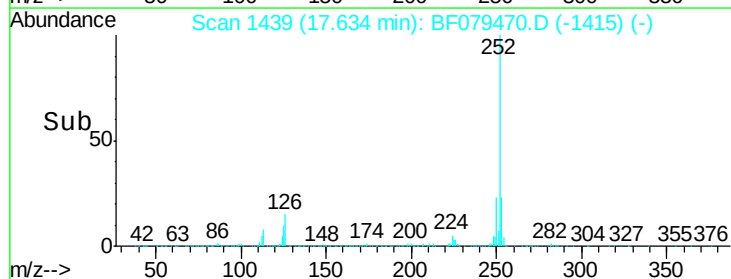
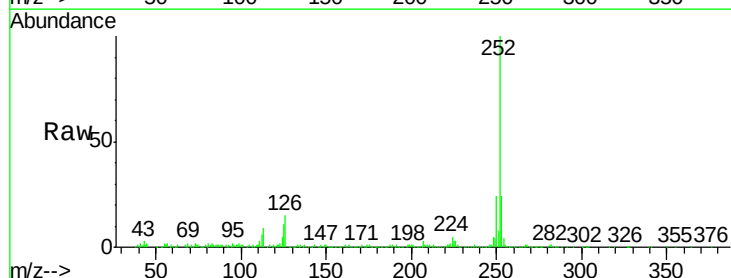
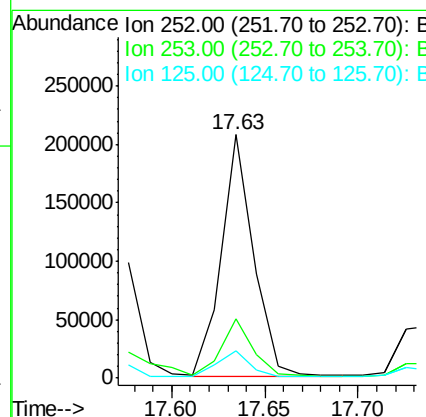
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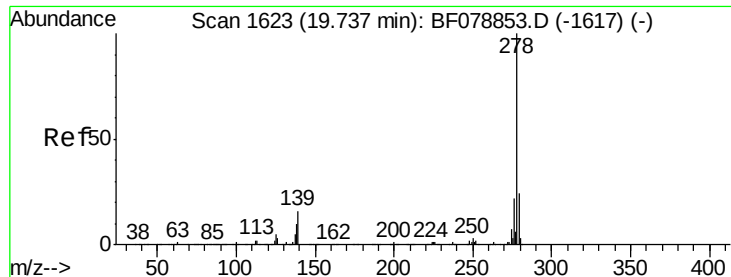
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#89
Benzo(a)pyrene
Concen: 17.52 ng
RT: 17.63 min Scan# 1439
Delta R.T. 0.09 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	251158		
253	24.2	18.0	27.0	
125	11.2	8.2	12.2	





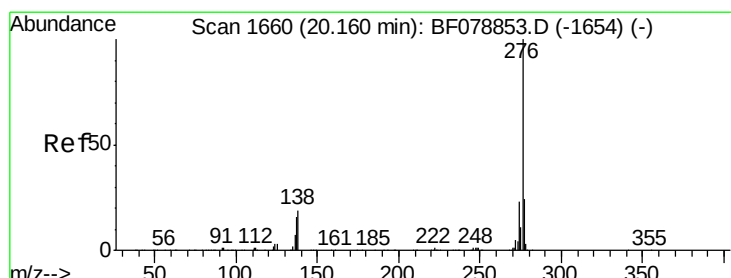
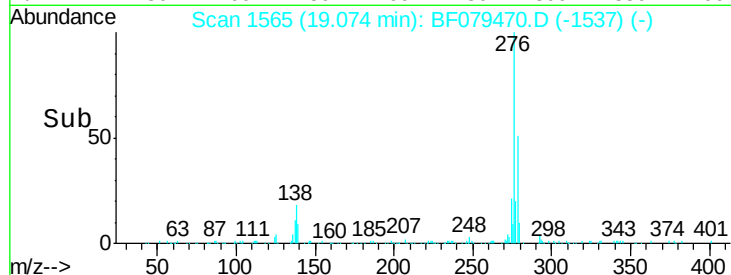
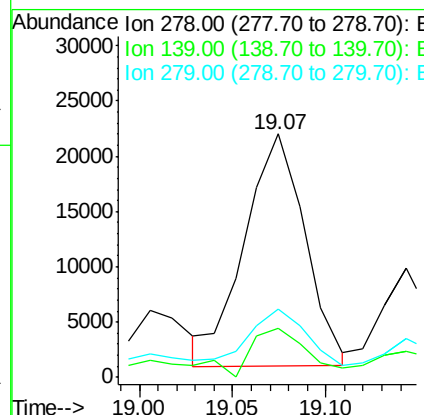
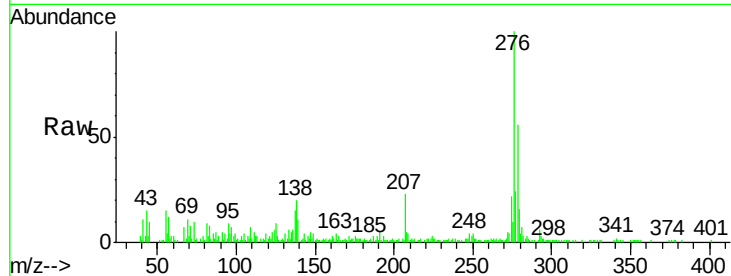
#90
Dibenzo(a,h)anthracene
Concen: 3.11 ng
RT: 19.07 min Scan# 1565
Delta R.T. 0.11 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Instrument :
BNA_F
ClientSampleId :
SW-023

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.1	13.1	19.7#
279	27.9	19.1	28.7

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#91
Benzo(g,h,i)perylene
Concen: 10.98 ng
RT: 19.45 min Scan# 1598
Delta R.T. 0.13 min
Lab File: BF079470.D
Acq: 23 May 2015 11:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	22.6	15.2	22.8

