

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079469.D
 Acq On : 23 May 2015 11:16
 Operator : TP/IZ
 Sample : G2371-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-022

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Quant Time: May 25 07:47:11 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	77447	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	311987	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	151210	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	280451	20.00	ng	0.00
75) Chrysene-d12	15.92	240	291479	20.00	ng	0.01
86) Perylene-d12	17.71	264	285858	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	509326m	113.20	ng	0.02
7) Phenol-d6	6.65	99	677492m	113.92	ng	0.02
23) Nitrobenzene-d5	7.75	82	248427	45.76	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	100956	61.72	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	743214	68.48	ng	0.00
78) Terphenyl-d14	14.63	244	814023	66.86	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.49	163	71085	6.41	ng	97
70) Phenanthrene	12.66	178	135305	8.62	ng	100
71) Anthracene	12.73	178	30906	2.01	ng	97
74) Fluoranthene	14.14	202	179628	10.99	ng	95
77) Pyrene	14.41	202	156511	9.32	ng	99
80) Benzo(a)anthracene	15.91	228	77984m	4.89	ng	
82) Chrysene	15.95	228	71023	4.63	ng	98
85) Indeno(1,2,3-cd)pyrene	19.06	276	47249	2.42	ng	93
87) Benzo(b)fluoranthene	17.25	252	100588m	6.43	ng	
88) Benzo(k)fluoranthene	17.28	252	32146m	2.12	ng	
89) Benzo(a)pyrene	17.65	252	69599	4.83	ng	99
91) Benzo(a,h,i)perylene	19.46	276	48640	3.17	ng	96

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

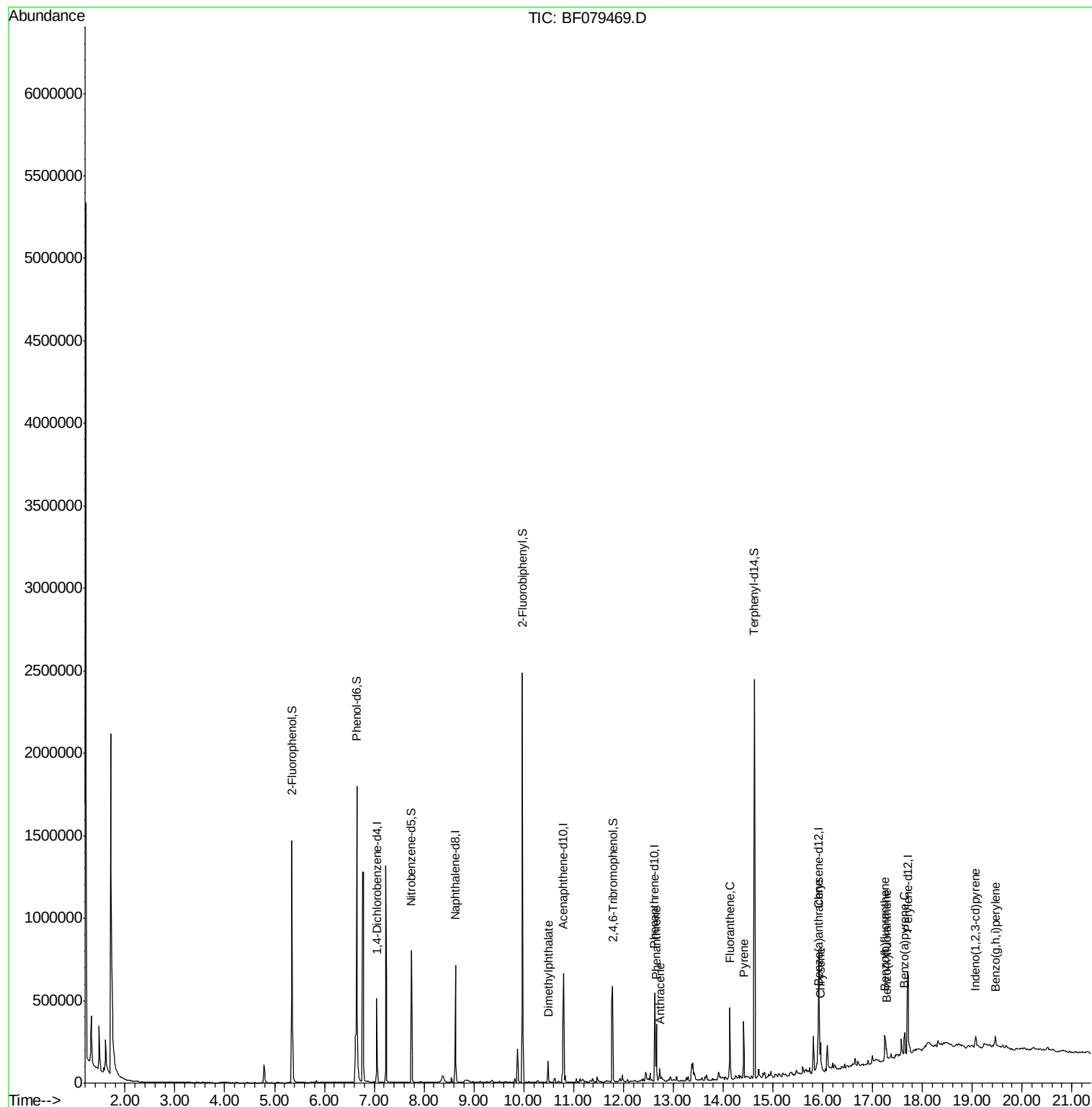
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079469.D
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Misc :
ALS Vial : 37 Sample Multiplier: 1

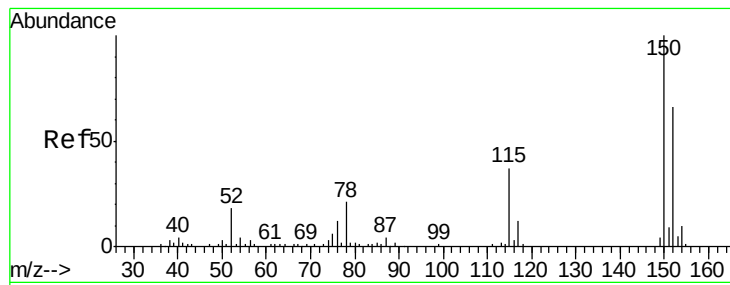
Instrument :
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ClientSampleId :
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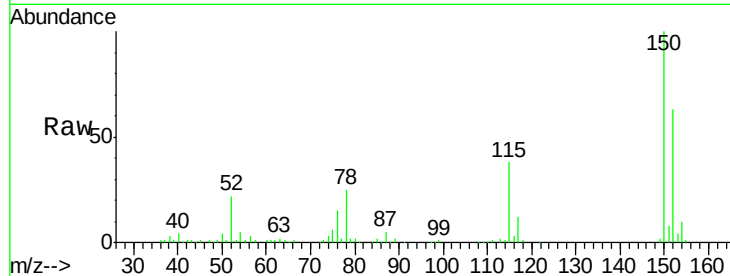
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079469.D
 Acq: 23 May 2015 11:16

Instrument :
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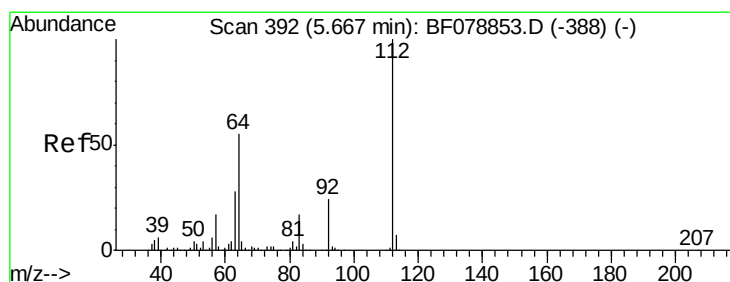
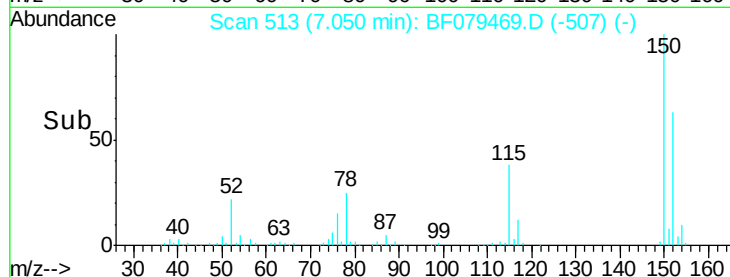
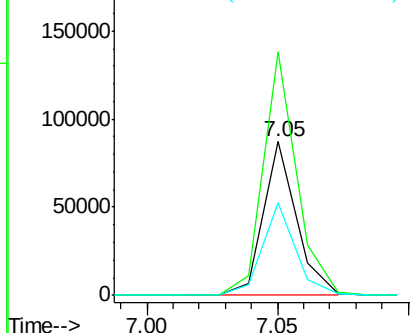
Tot Ion:	152	Resp:	77447
Ion Ratio	Lower	Upper	
152	100		
150	158.6	123.8	185.8
115	60.5	49.4	74.0

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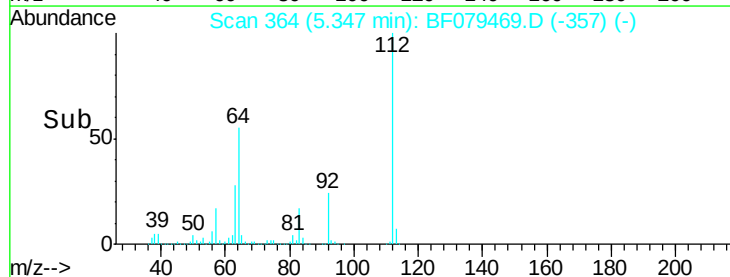
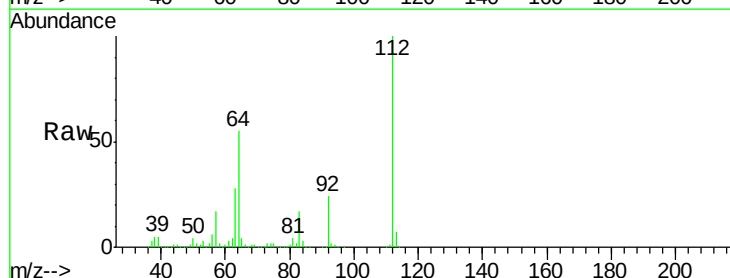
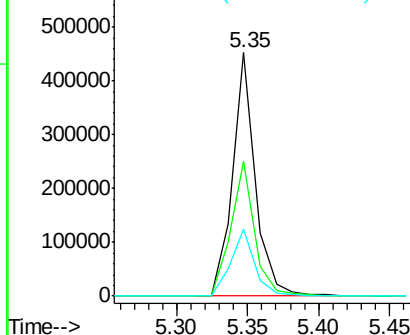
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

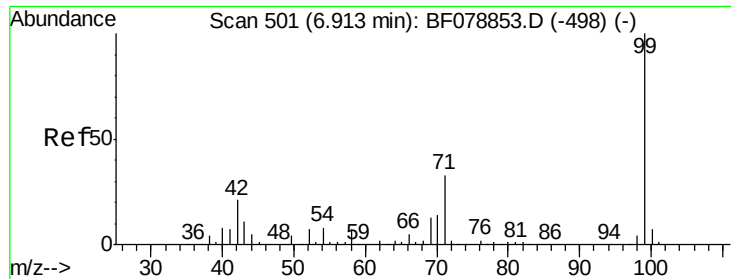


#5
 2-Fluorophenol
 Concen: 113.20 ng m
 RT: 5.35 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: BF079469.D
 Acq: 23 May 2015 11:16

Tgt Ion:	112	Resp:	509326
Ion Ratio	Lower	Upper	
112	100		
64	55.2	44.2	66.2
63	27.7	22.7	34.1

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: 113.92 ng/mL

RT: 6.65 min Scan# 478

Delta R.T. 0.02 min

Lab File: BF079469.D

Acq: 23 May 2015 11:16

Instrument :

BNA_F

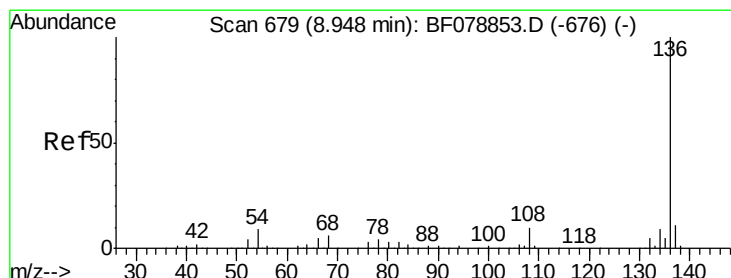
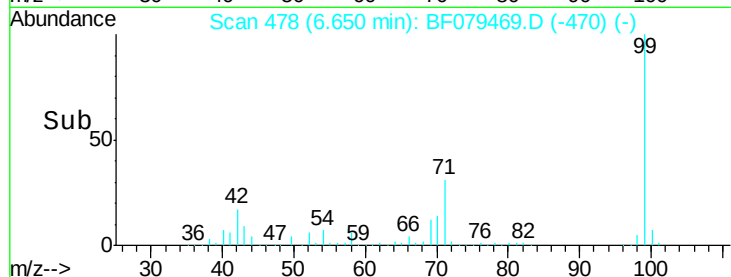
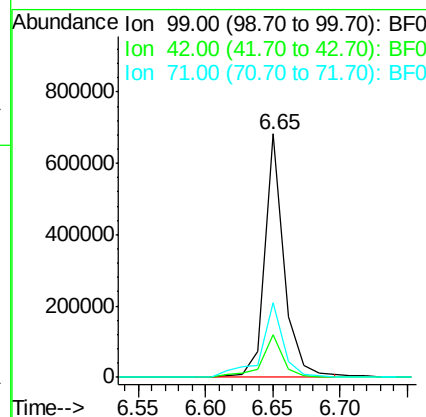
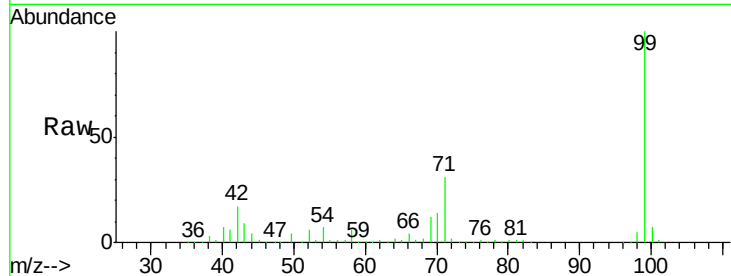
ClientSampleId :

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Tot Ion:	99	Resp:	677492
Ion Ratio	Lower	Upper	
99	100		
42	17.4	17.1	25.7
71	30.5	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

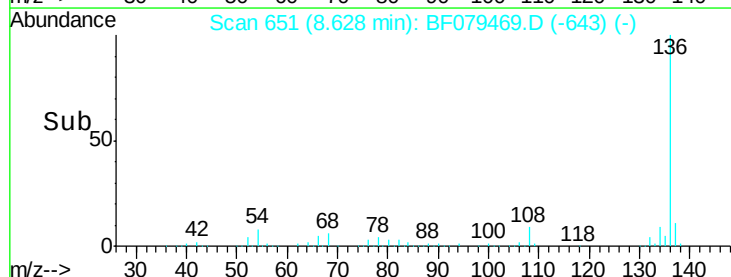
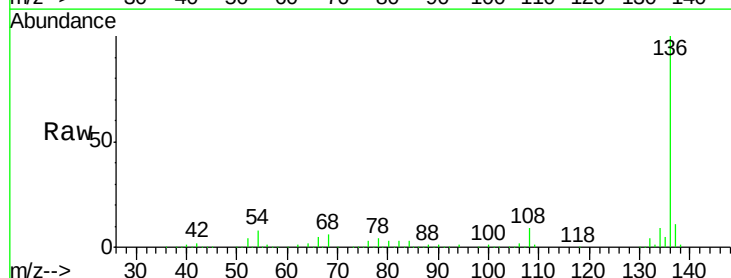
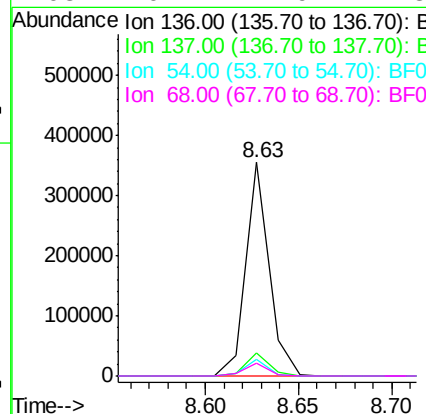
RT: 8.63 min Scan# 651

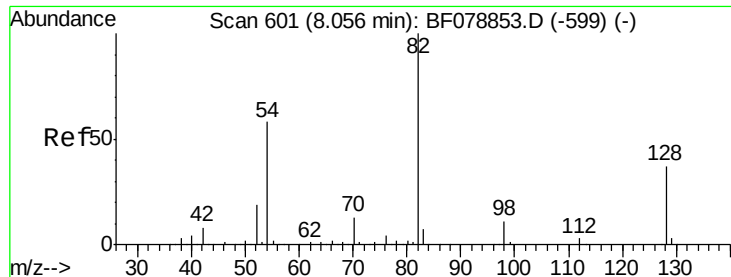
Delta R.T. -0.00 min

Lab File: BF079469.D

Acq: 23 May 2015 11:16

Tgt Ion:	136	Resp:	311987
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	8.1	6.9	10.3
68	6.1	4.9	7.3





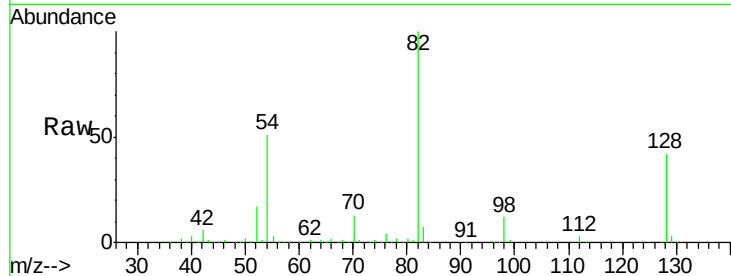
#23
 Nitrobenzene-d5
 Concen: 45.76 ng
 RT: 7.75 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF079469.D
 Acq: 23 May 2015 11:16

Instrument :
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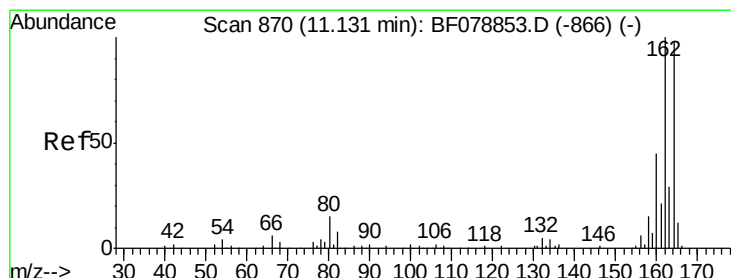
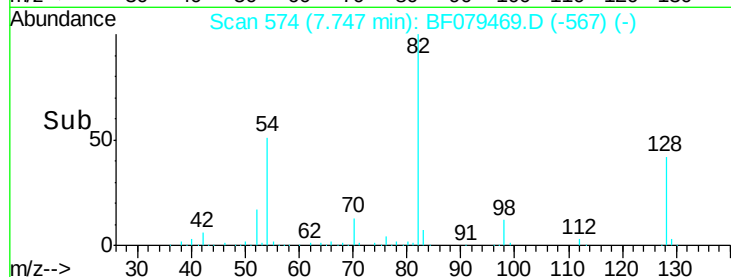
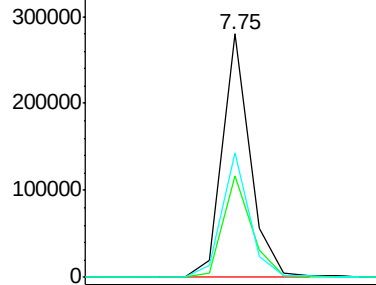
Tot Ion:	82	Resp:	248427
Ion Ratio	Lower	Upper	
82	100		
128	42.0	29.7	44.5
54	50.9	46.2	69.4

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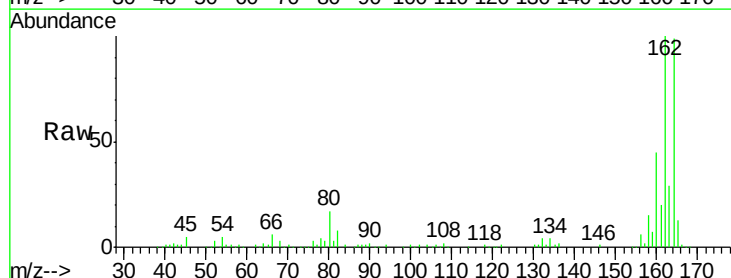


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

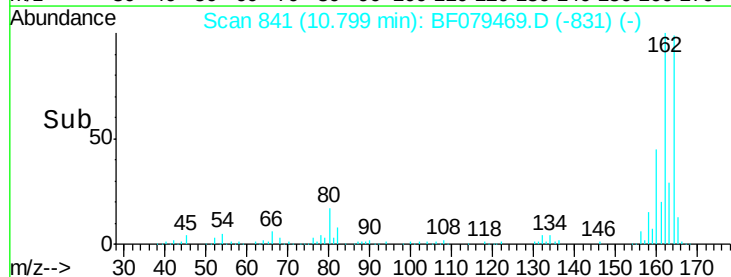
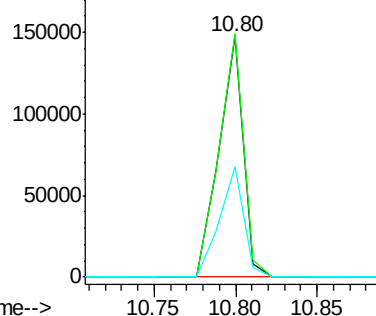


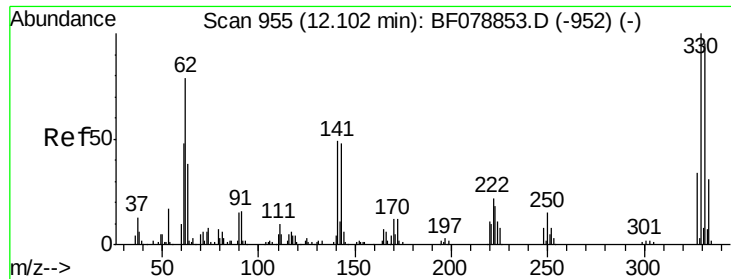
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.80 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF079469.D
 Acq: 23 May 2015 11:16

Tgt Ion:	164	Resp:	151210
Ion Ratio	Lower	Upper	
164	100		
162	101.2	81.4	122.0
160	45.7	36.6	54.8



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





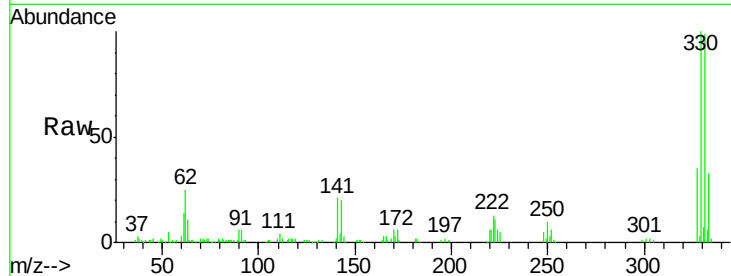
#41
 2,4,6-Tribromophenol
 Concen: 61.72 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079469.D
 Acq: 23 May 2015 11:16

Instrument :
 BNA_F
 ClientSampled :
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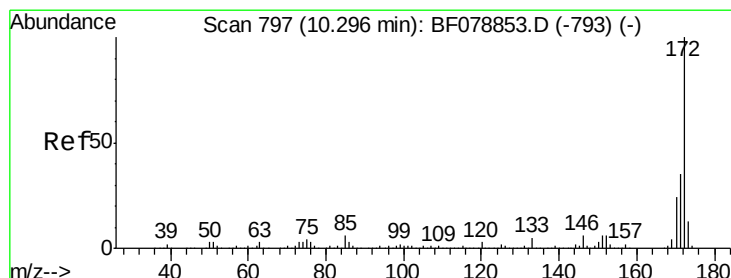
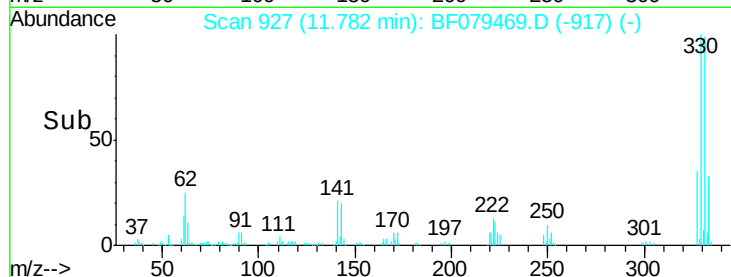
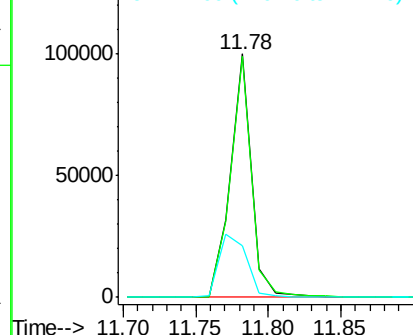
Tot Ion	Ratio	Resp	Lower	Upper
330	100	100956		
332	99.0		76.9	115.3
141	34.7		27.8	41.8

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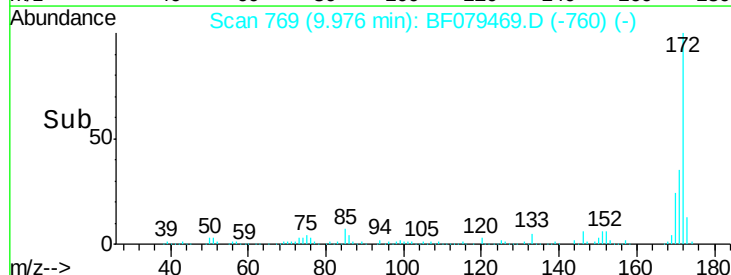
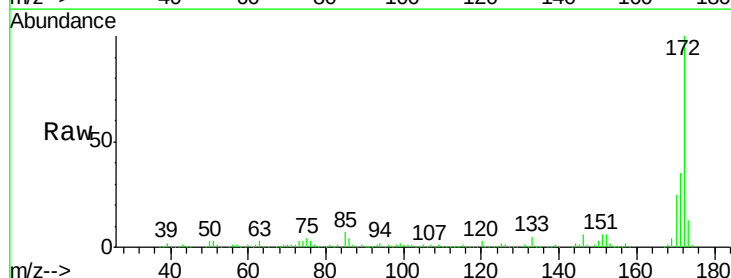
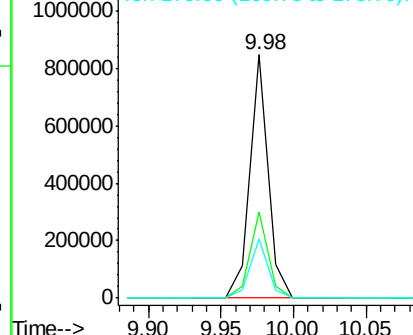
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

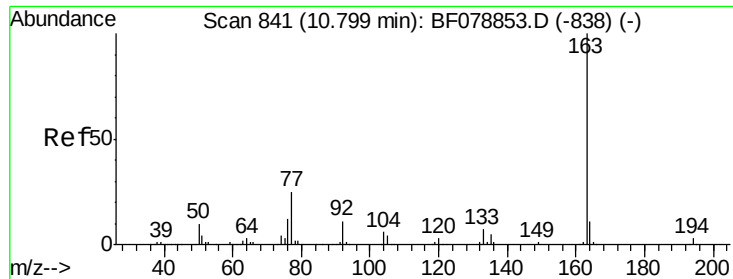


#44
 2-Fluorobiphenyl
 Concen: 68.48 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079469.D
 Acq: 23 May 2015 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	743214		
171	35.2		28.3	42.5
170	24.5		19.4	29.2

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





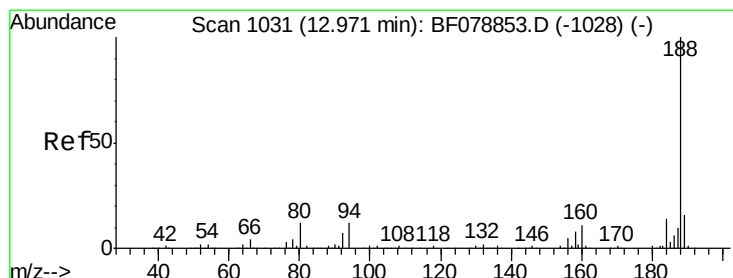
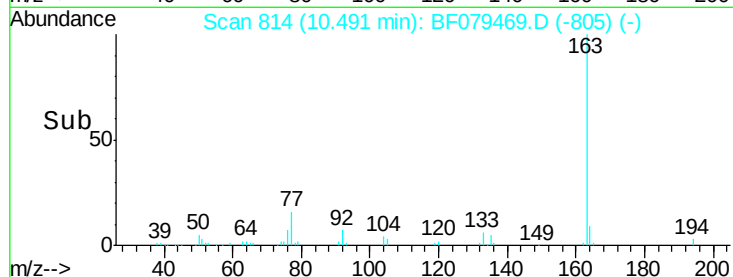
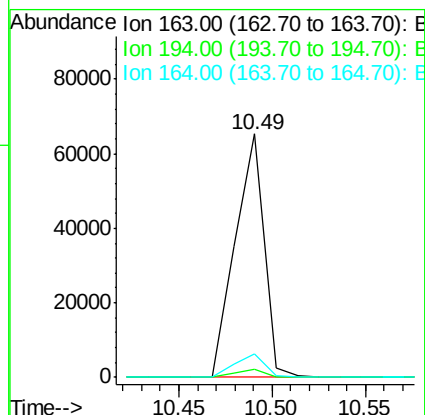
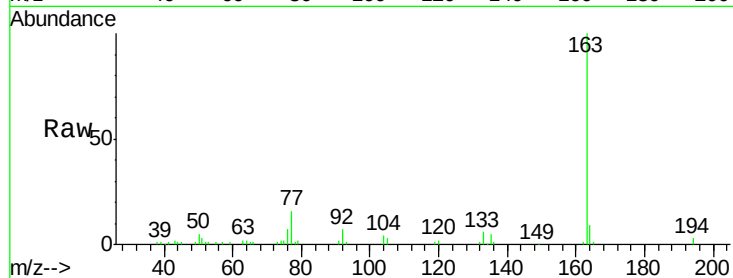
#49
Dimethylphthalate
Concen: 6.41 ng
RT: 10.49 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.4	3.6
164	9.4	8.6	12.8

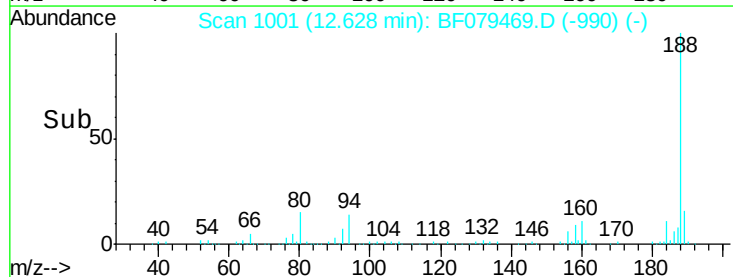
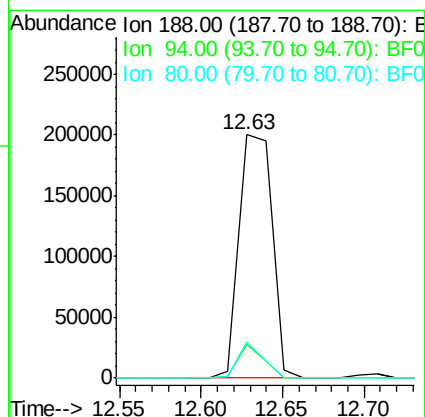
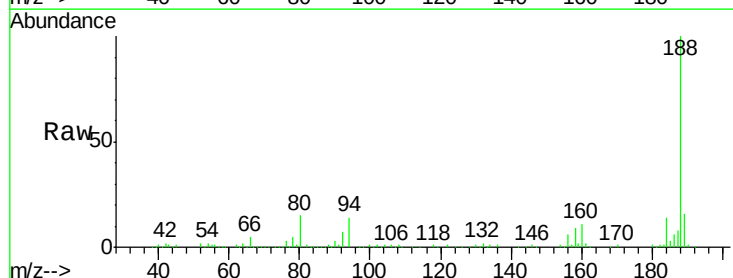
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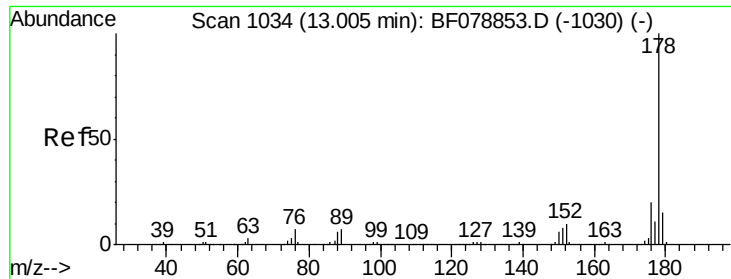
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.8	9.4	14.0
80	15.1	9.8	14.6#





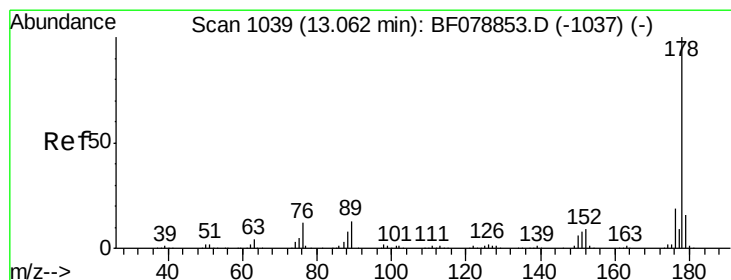
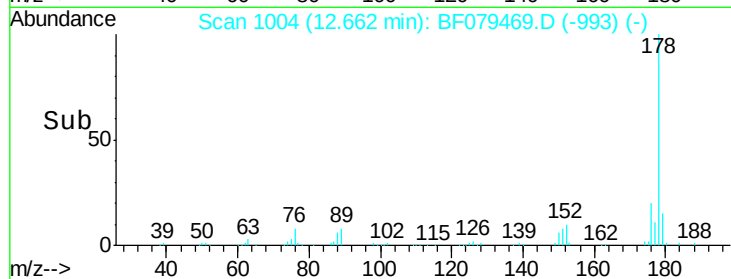
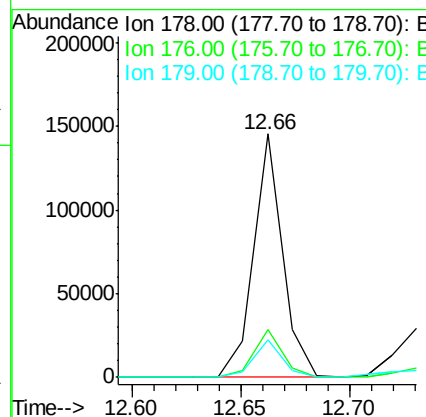
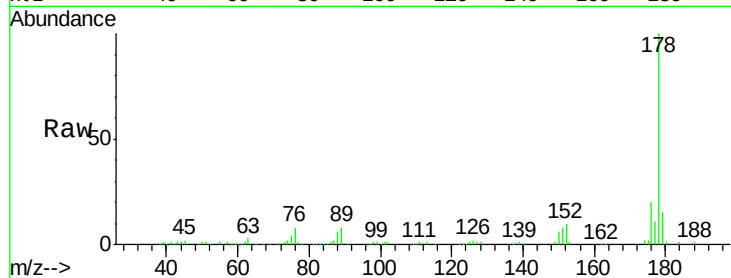
#70
 Phenanthrene
 Concen: 8.62 ng
 RT: 12.66 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BF079469.D
 Acq: 23 May 2015 11:16

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.2	12.2	18.4

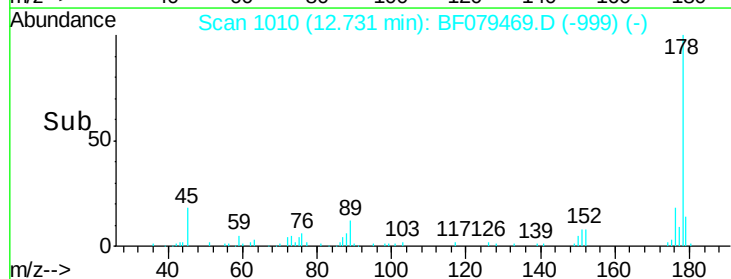
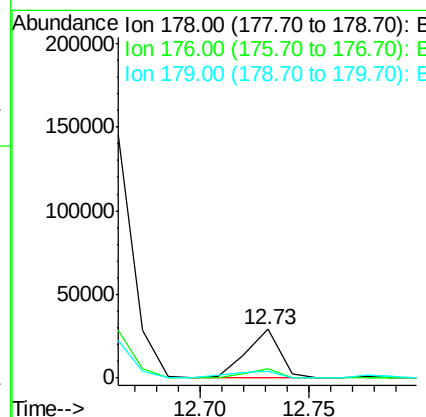
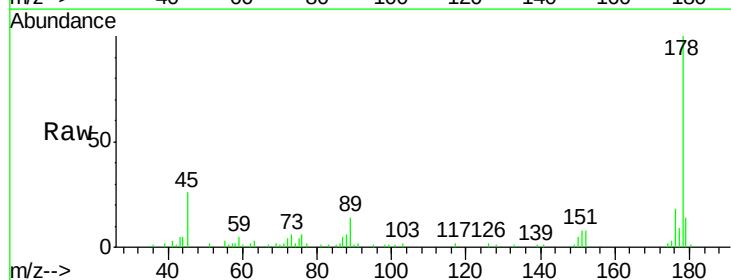
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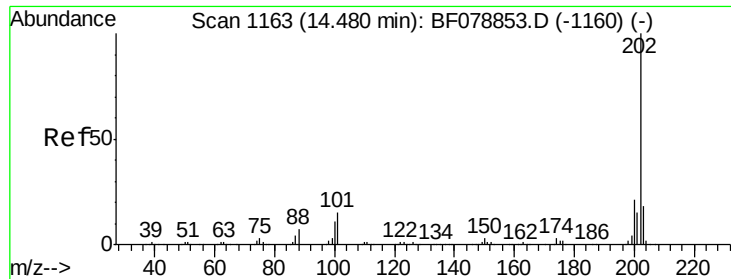
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#71
 Anthracene
 Concen: 2.01 ng
 RT: 12.73 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BF079469.D
 Acq: 23 May 2015 11:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	14.4	12.6	19.0





#74

Fluoranthene

Concen: 10.99 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079469.D

Acq: 23 May 2015 11:16

Instrument :

BNA_F

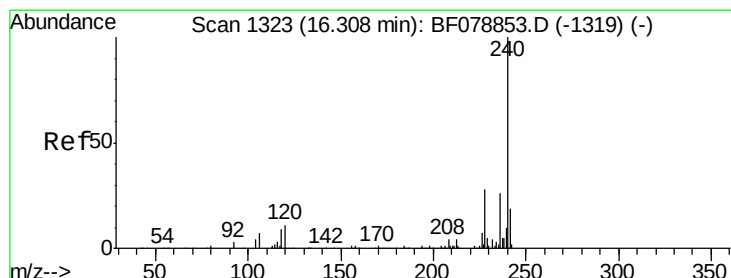
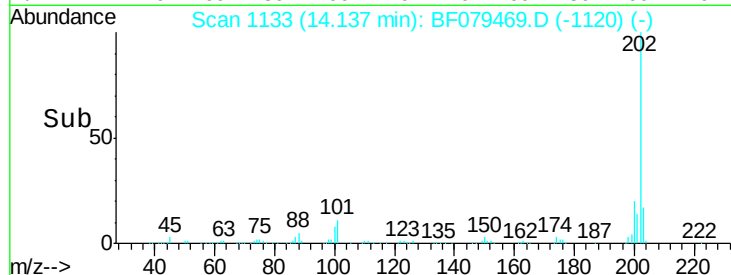
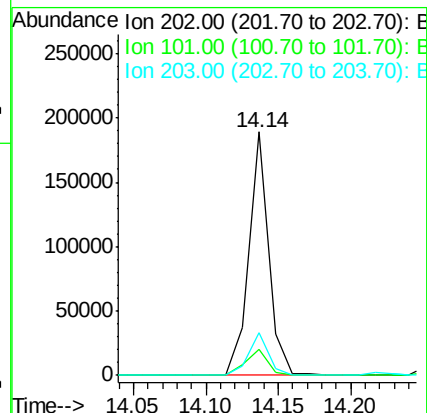
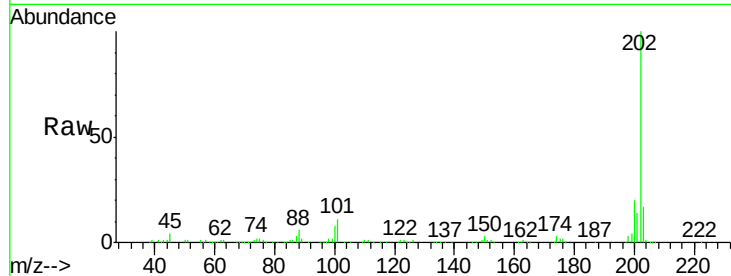
ClientSampleId :

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Tot Ion:	202	Resp:	179628
Ion Ratio		Lower	Upper
202	100		
101	10.9	0.0	34.7
203	17.5	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

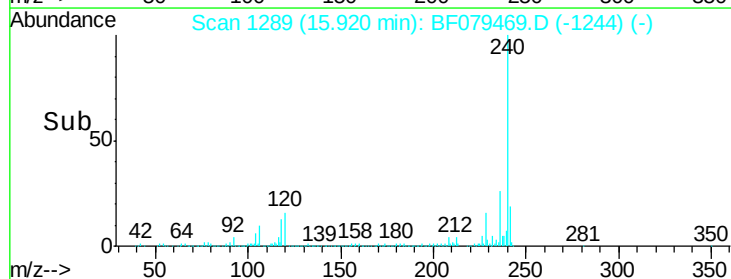
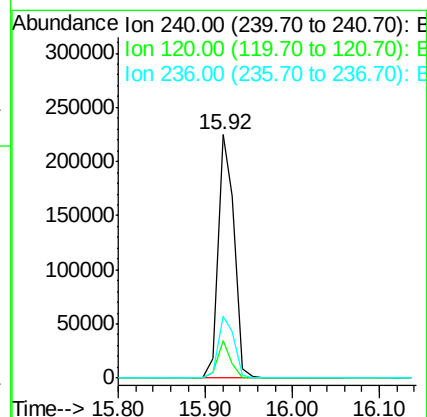
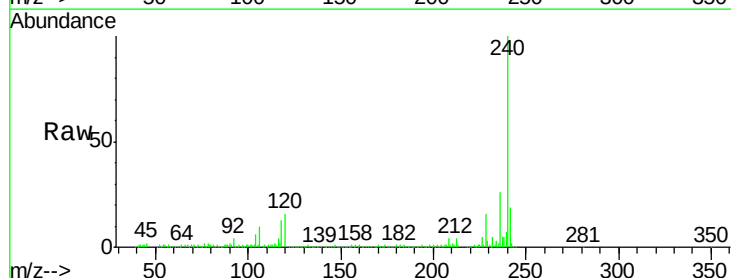
RT: 15.92 min Scan# 1289

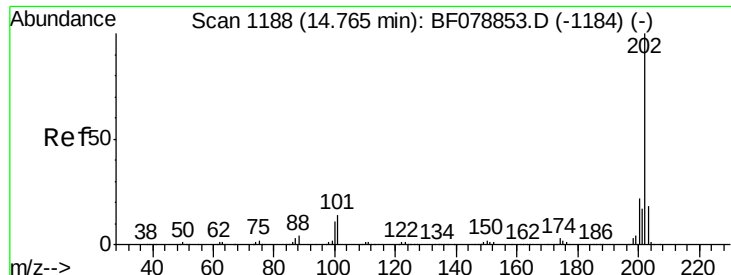
Delta R.T. 0.01 min

Lab File: BF079469.D

Acq: 23 May 2015 11:16

Tgt Ion:	240	Resp:	291479
Ion Ratio		Lower	Upper
240	100		
120	15.7	8.6	12.8#
236	25.6	21.0	31.6





#77

Pvrene

Concen: 9.32 ng

RT: 14.41 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF079469.D

Acq: 23 May 2015 11:16

Instrument :

BNA_F

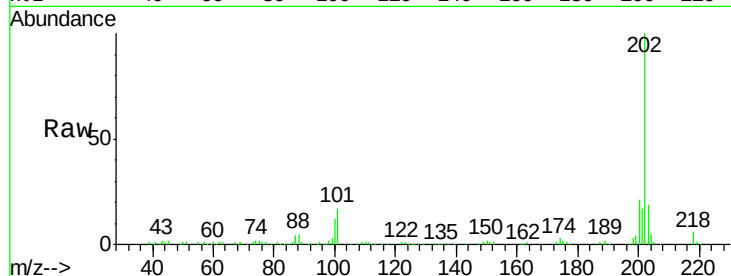
ClientSampleId :

SW-022

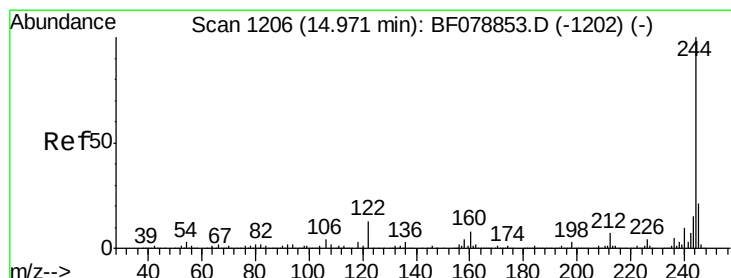
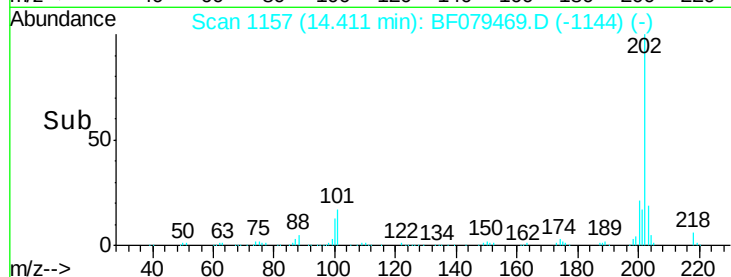
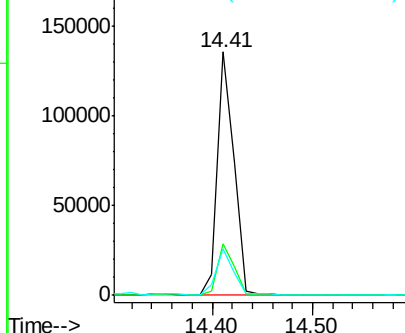
Tot Ion:	202	Resp:	156511
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.5	26.3
203	19.2	14.7	22.1

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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: 66.86 ng

RT: 14.63 min Scan# 1176

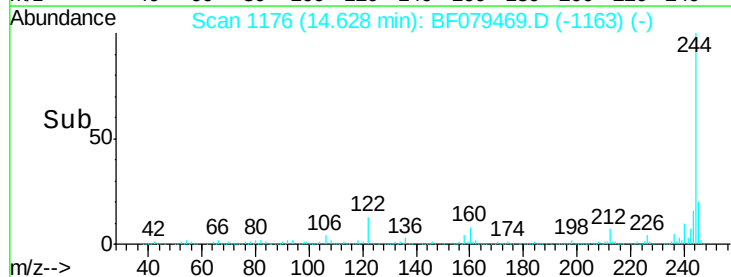
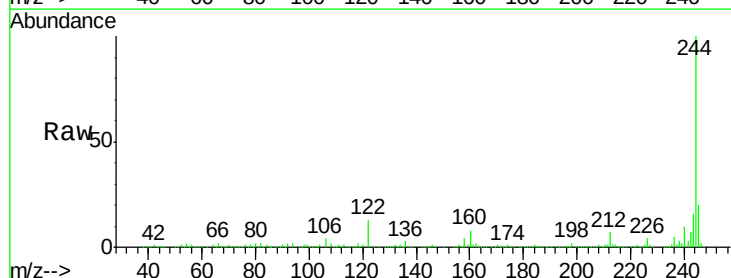
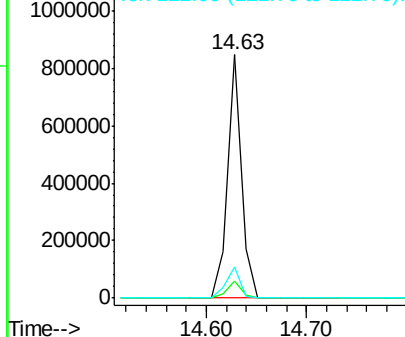
Delta R.T. -0.00 min

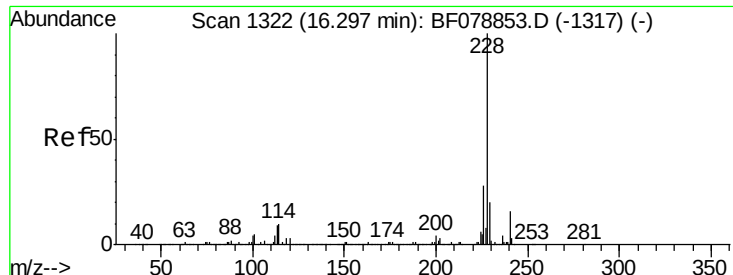
Lab File: BF079469.D

Acq: 23 May 2015 11:16

Tgt Ion:	244	Resp:	814023
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	12.9	10.5	15.7

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





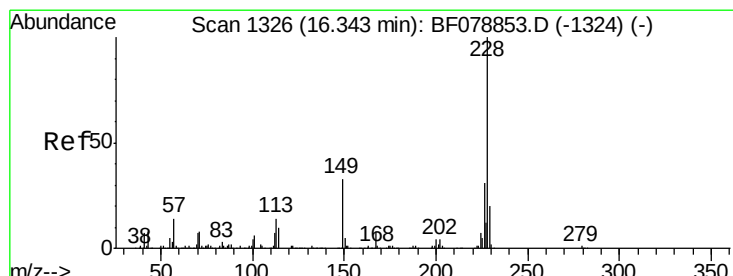
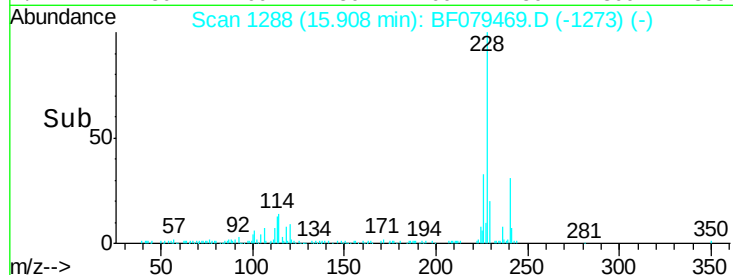
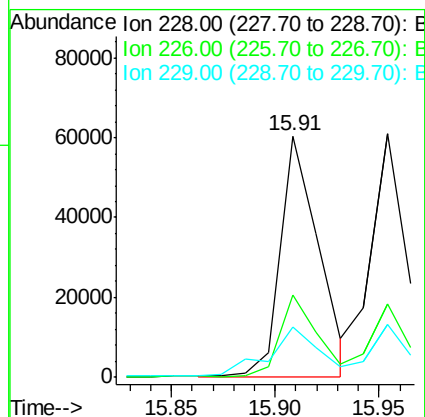
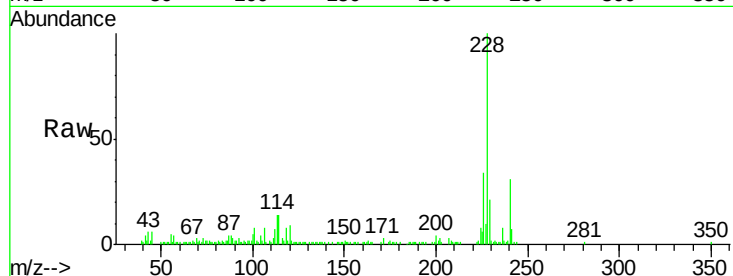
#80
Benzo(a)anthracene
Concen: 4.89 ng/mL
RT: 15.91 min Scan# 1288
Delta R.T. 0.01 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Instrument :
BNA_F
ClientSampleId :
SW-022

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.3	33.5
229	20.7	16.1	24.1

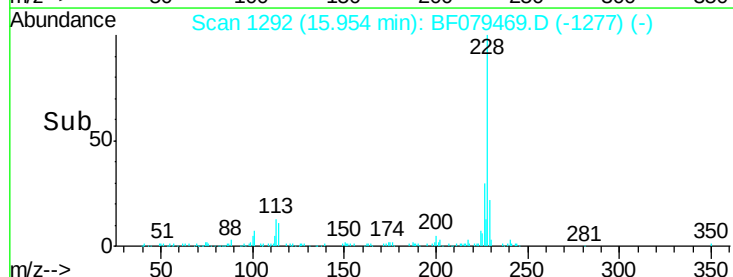
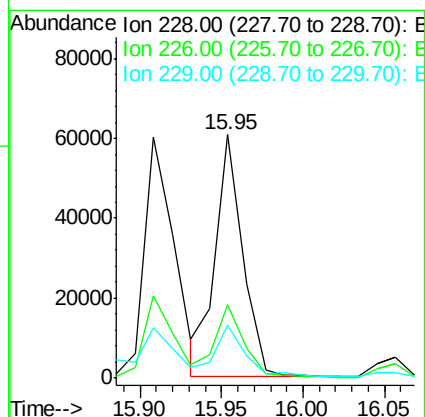
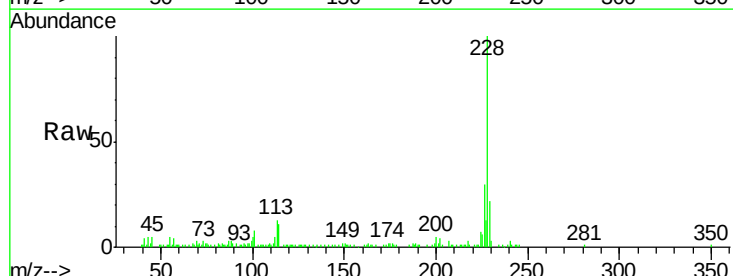
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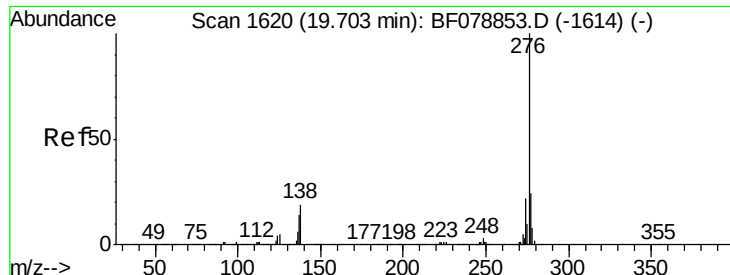
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#82
Chrysene
Concen: 4.63 ng/mL
RT: 15.95 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.8	37.2
229	21.7	16.1	24.1





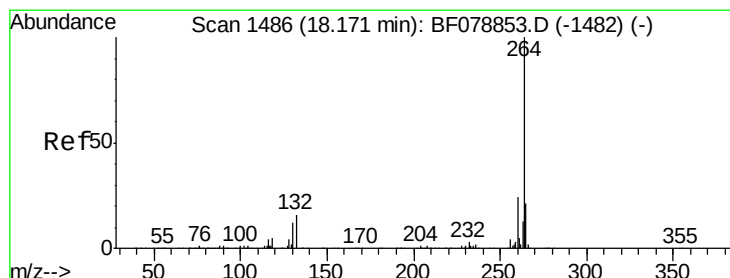
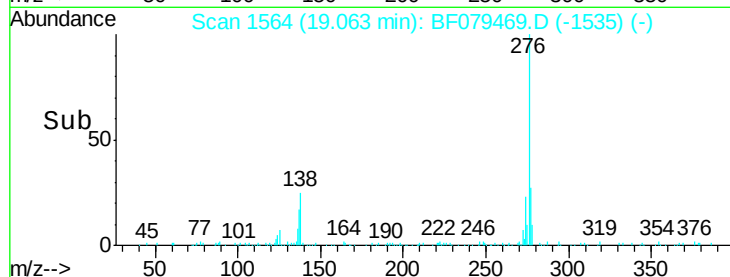
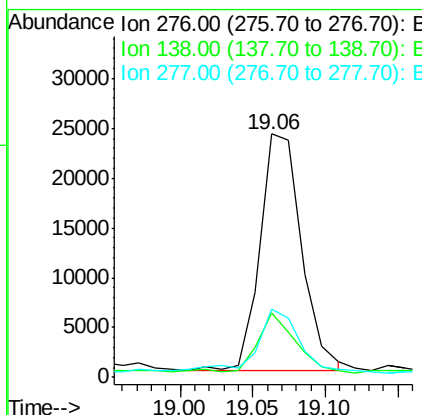
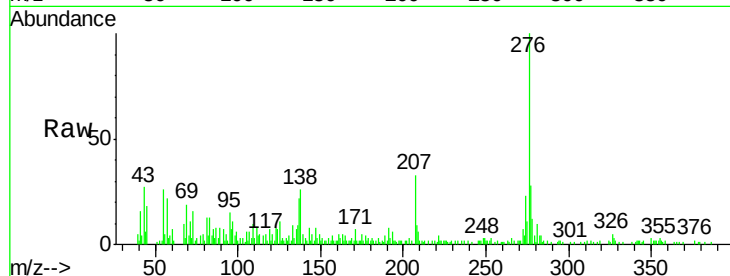
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.42 ng
RT: 19.06 min Scan# 1564
Delta R.T. 0.13 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Instrument :
BNA_F
ClientSampleId :
SW-022

Tot Ion:	276	Resp:	47249
Ion Ratio	Lower	Upper	
276	100		
138	21.9	21.1	31.7
277	27.5	19.9	29.9

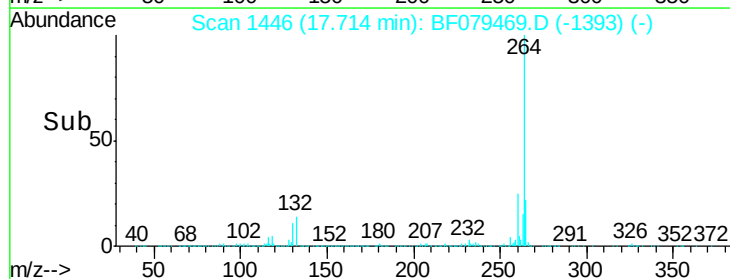
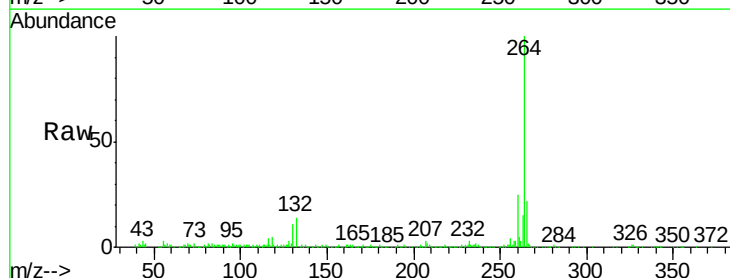
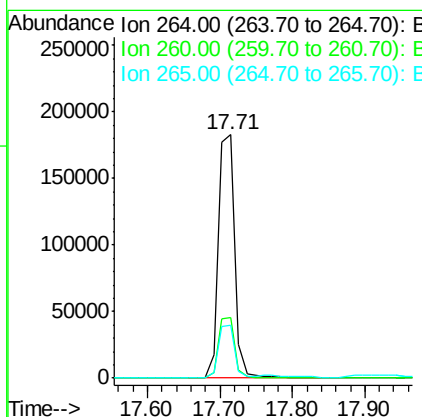
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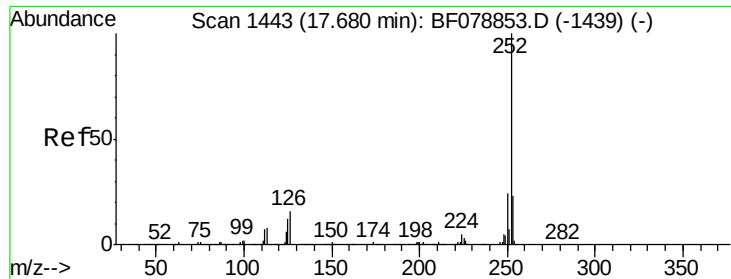
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.71 min Scan# 1446
Delta R.T. 0.10 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Tgt Ion:	264	Resp:	285858
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	21.8	17.2	25.8





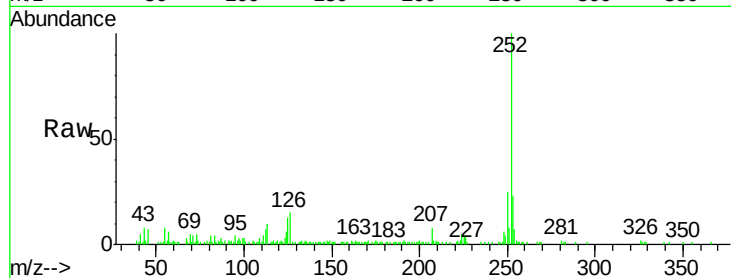
#87
Benzo(b)fluoranthene
Concen: 6.43 ng m
RT: 17.25 min Scan# 1405
Delta R.T. 0.07 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Instrument :
BNA_F
ClientSampleId :
SW-022

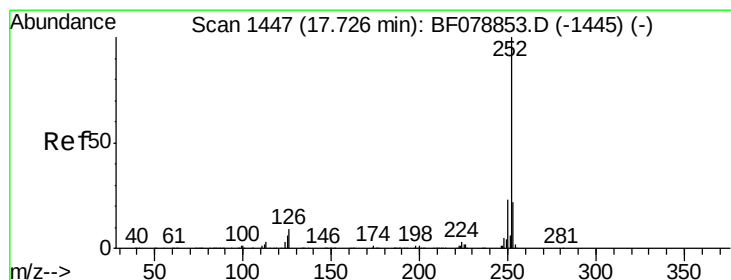
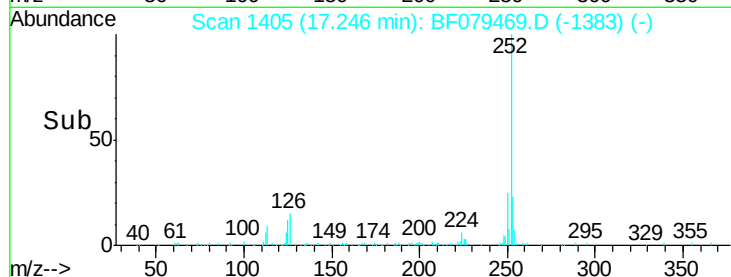
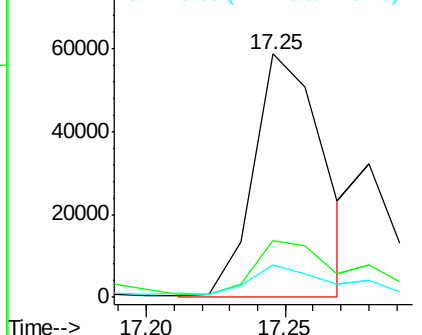
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.3	9.4	14.2

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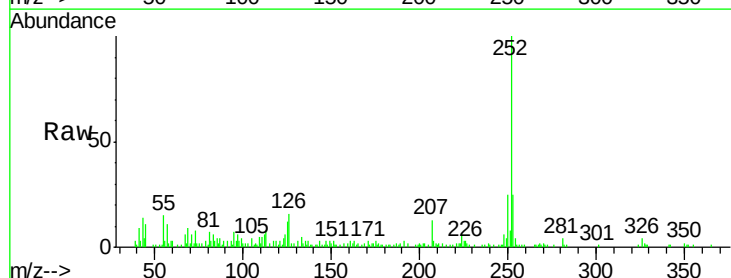


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

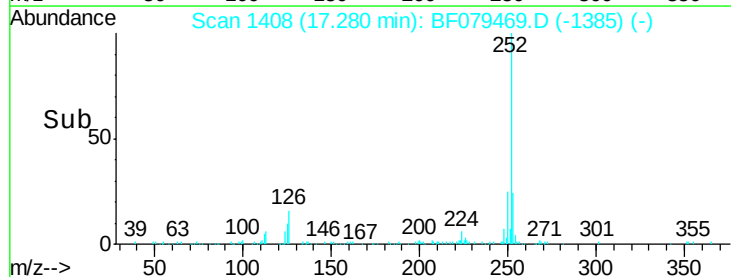
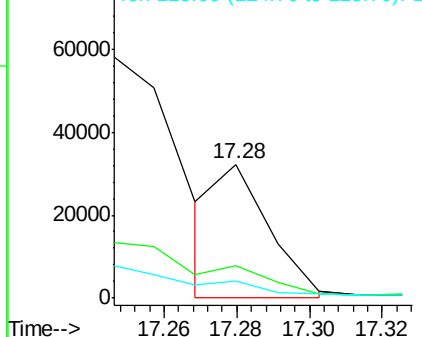


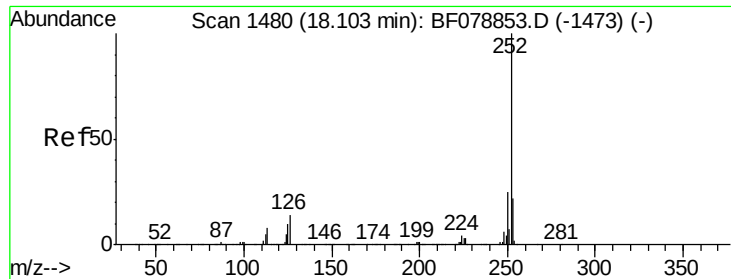
#88
Benzo(k)fluoranthene
Concen: 2.12 ng m
RT: 17.28 min Scan# 1408
Delta R.T. 0.08 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	12.3	6.1	9.1#



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





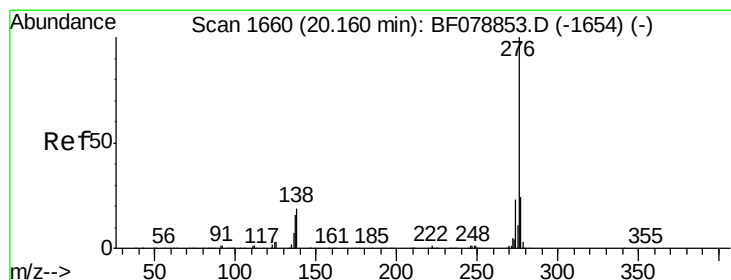
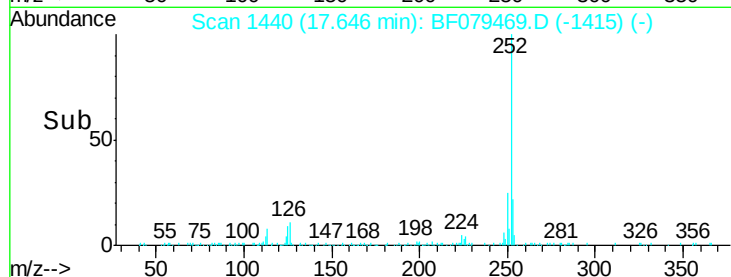
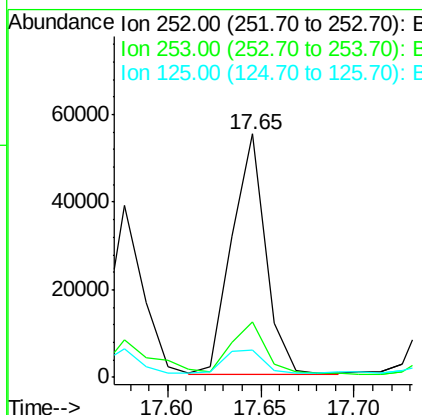
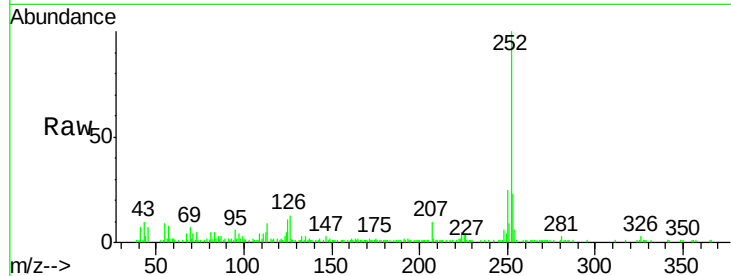
#89
Benzo(a)pyrene
Concen: 4.83 ng
RT: 17.65 min Scan# 1440
Delta R.T. 0.10 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Instrument :
BNA_F
ClientSampleId :
SW-022

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.2	8.2	12.2

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#91
Benzo(g,h,i)perylene
Concen: 3.17 ng
RT: 19.46 min Scan# 1599
Delta R.T. 0.14 min
Lab File: BF079469.D
Acq: 23 May 2015 11:16

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.1	18.8	28.2
138	22.2	15.2	22.8

