

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079464.D
 Acq On : 23 May 2015 8:52
 Operator : TP/IZ
 Sample : G2289-10 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-30D

Manual Integrations
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Quant Time: May 26 13:01:58 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	70451	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	291909	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	135191	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	252126	20.00	ng	0.00
75) Chrysene-d12	15.91	240	259087	20.00	ng	0.00
86) Perylene-d12	17.63	264	255185	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	84629m	20.68	ng	0.02
7) Phenol-d6	6.65	99	116502m	21.54	ng	0.02
23) Nitrobenzene-d5	7.75	82	25261	4.97	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	13162	9.00	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	98837	10.19	ng	0.00
78) Terphenyl-d14	14.63	244	100666	9.30	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.65	128	30374	2.18	ng	98
51) Acenaphthene	10.83	154	56769	6.92	ng	99
54) Dibenzofuran	11.05	168	45714	3.86	ng	97
57) Fluorene	11.47	166	53627	5.51	ng	99
70) Phenanthrene	12.66	178	520723	36.92	ng	100
71) Anthracene	12.72	178	168709	12.19	ng	99
72) Carbazole	12.94	167	29637	2.25	ng	98
74) Fluoranthene	14.14	202	549725	37.40	ng	96
77) Pyrene	14.41	202	490909	32.88	ng	98
80) Benzo(a)anthracene	15.90	228	210796	14.86	ng	96
82) Chrysene	15.94	228	166405	12.19	ng	98
85) Indeno(1,2,3-cd)pyrene	18.97	276	100087	5.76	ng	96
87) Benzo(b)fluoranthene	17.20	252	213054m	15.25	ng	
88) Benzo(k)fluoranthene	17.22	252	73098m	5.41	ng	
89) Benzo(a)pyrene	17.57	252	170520	13.26	ng	# 94
91) Benzo(g,h,i)perylene	19.36	276	98889	7.22	ng	# 94

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

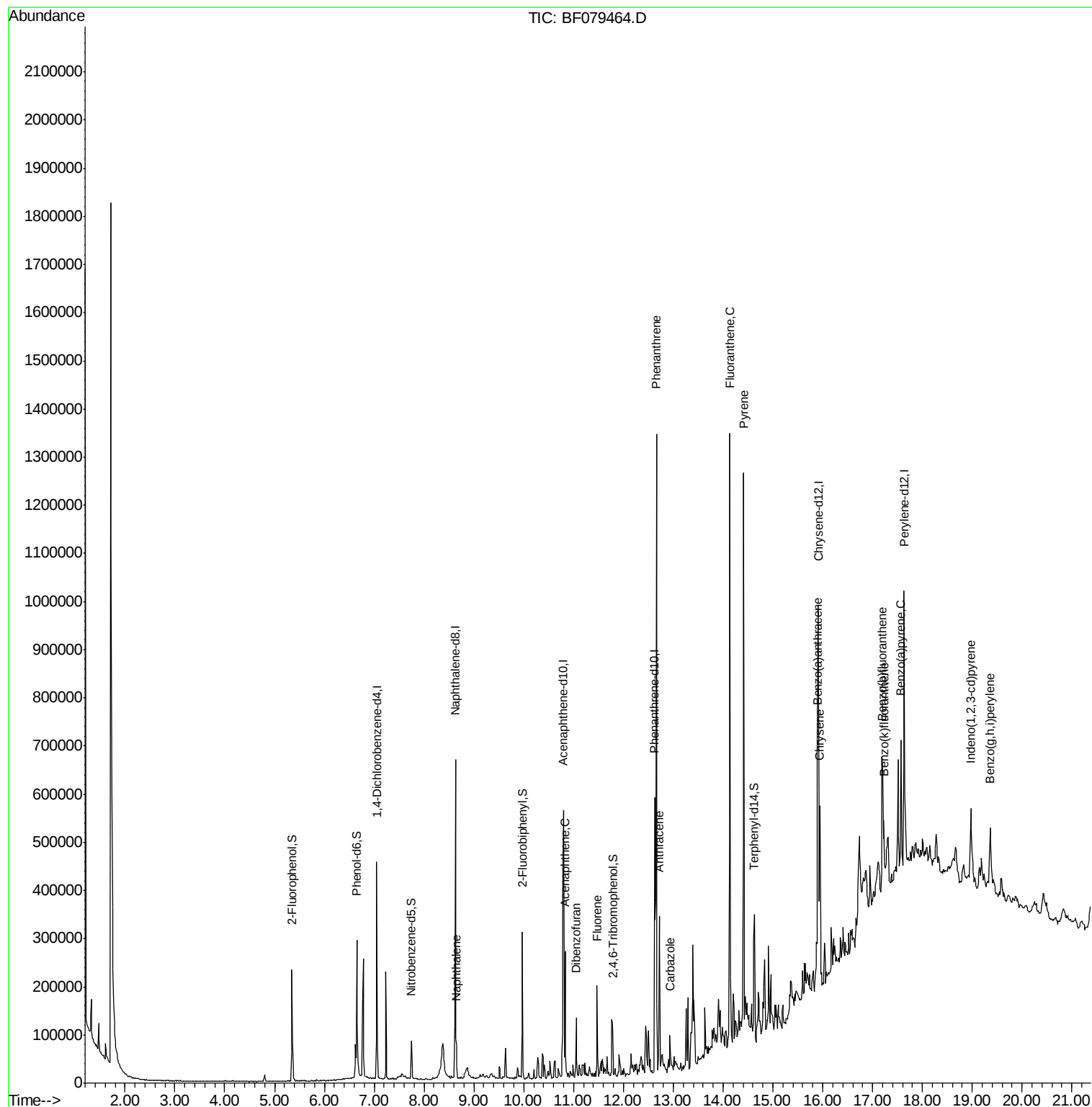
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
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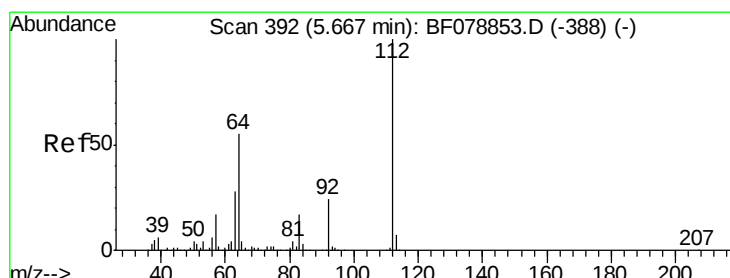
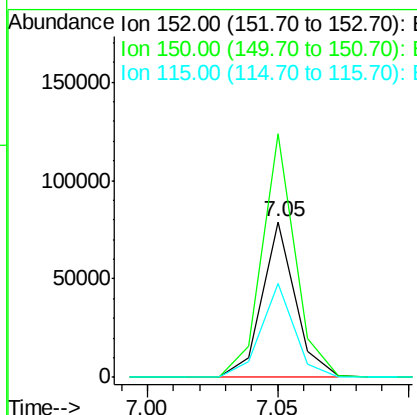
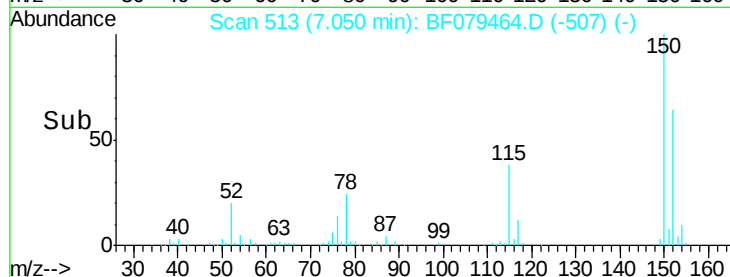
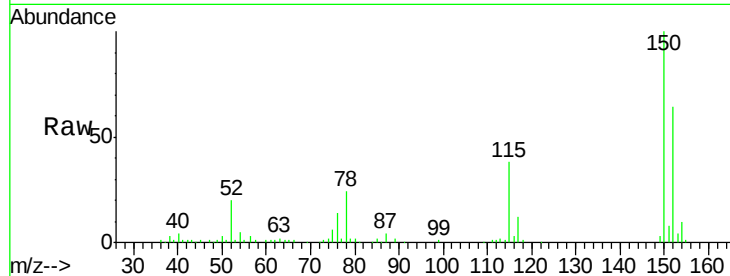
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079464.D
 Acq: 23 May 2015 8:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-30D

Tot Ion:	152	Resp:	70451
Ion Ratio	Lower	Upper	
152	100		
150	156.2	123.8	185.8
115	60.1	49.4	74.0

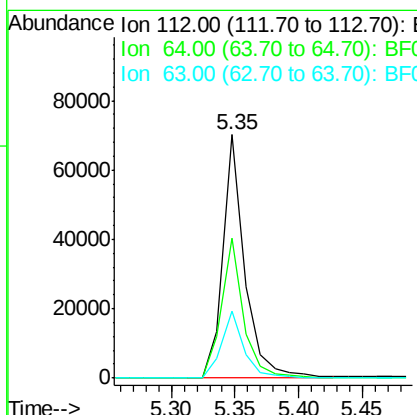
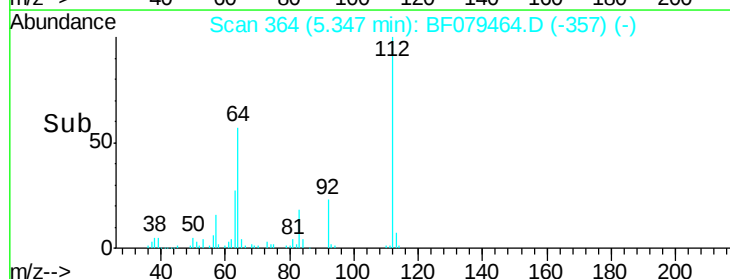
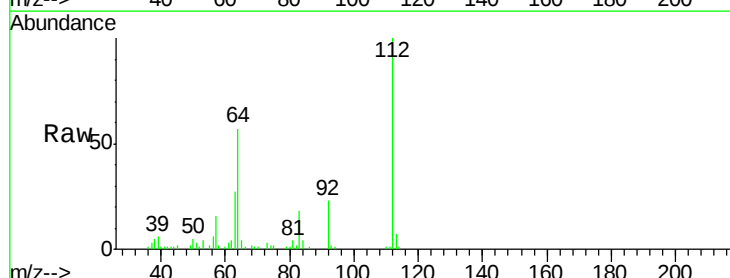
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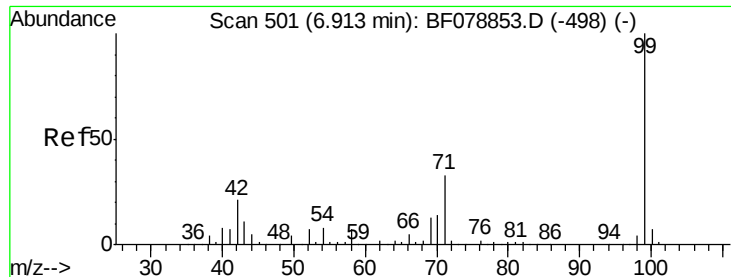
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#5
 2-Fluorophenol
 Concen: 20.68 ng m
 RT: 5.35 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: BF079464.D
 Acq: 23 May 2015 8:52

Tgt Ion:	112	Resp:	84629
Ion Ratio	Lower	Upper	
112	100		
64	57.5	44.2	66.2
63	27.3	22.7	34.1





#7

Phenol-d6

Concen: 21.54 ng/mL

RT: 6.65 min Scan# 478

Delta R.T. 0.02 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Instrument :

BNA_F

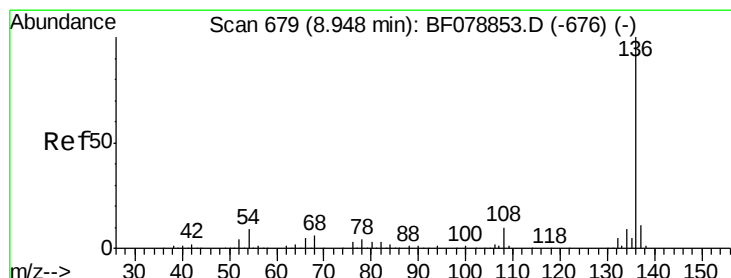
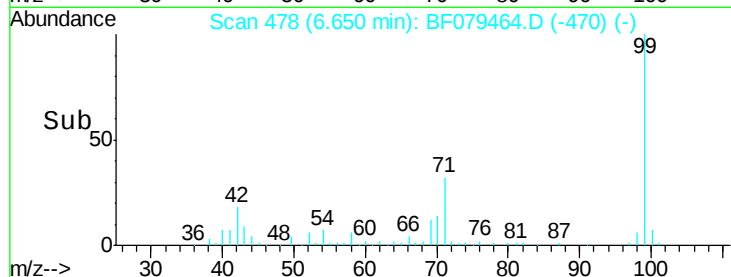
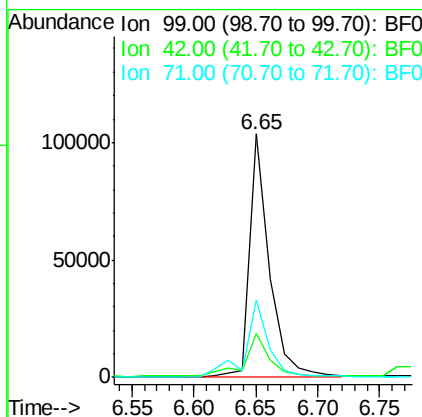
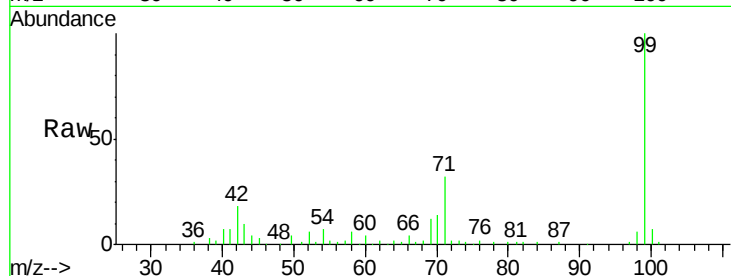
ClientSampleId :

SB-30D

Tot Ion:	99	Resp:	116502
Ion Ratio	Lower	Upper	
99	100		
42	18.1	17.1	25.7
71	31.8	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

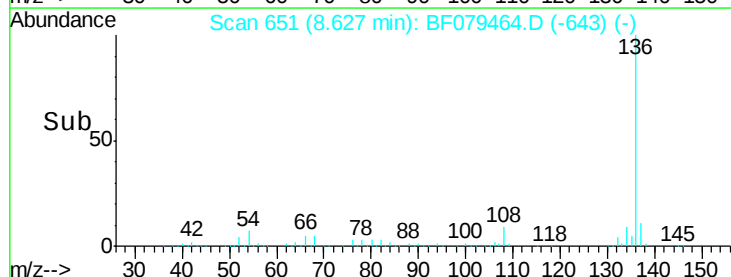
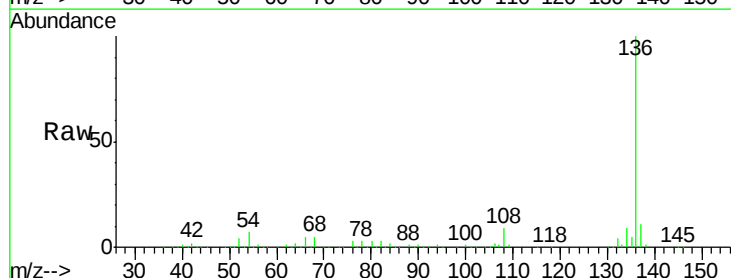
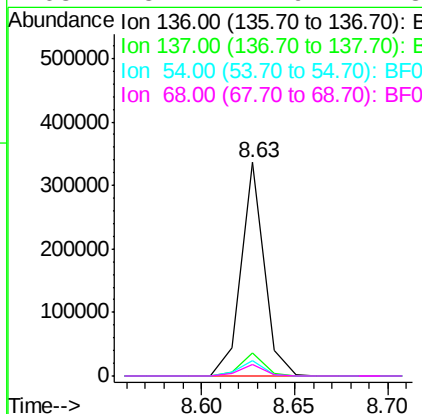
RT: 8.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Tgt Ion:	136	Resp:	291909
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	7.0	6.9	10.3
68	5.2	4.9	7.3





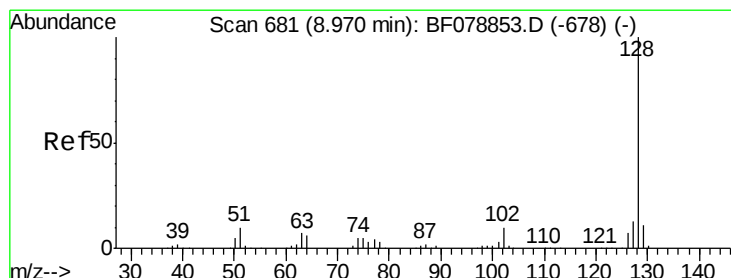
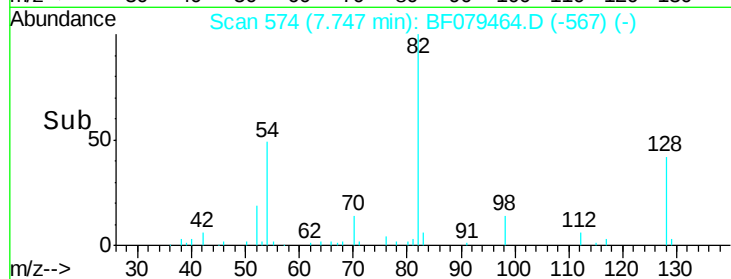
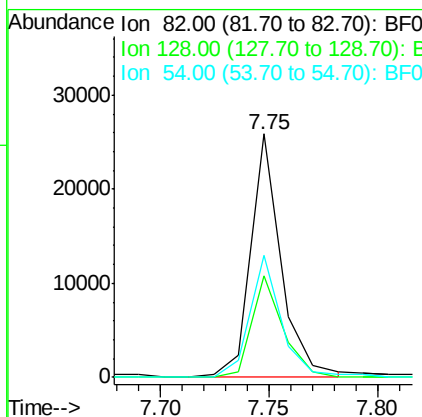
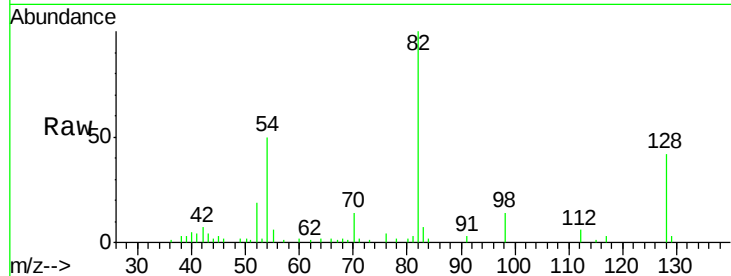
#23
 Nitrobenzene-d5
 Concen: 4.97 ng
 RT: 7.75 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF079464.D
 Acq: 23 May 2015 8:52

Instrument :
 BNA_F
 ClientSampled :
 SB-30D

Tot Ion	Ratio	Resp	Lower	Upper
82	100	25261		
128	41.7	29.7	44.5	
54	50.2	46.2	69.4	

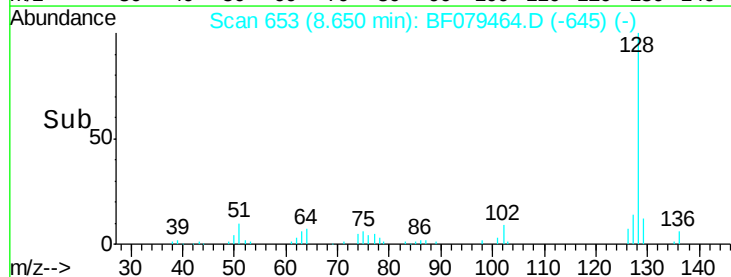
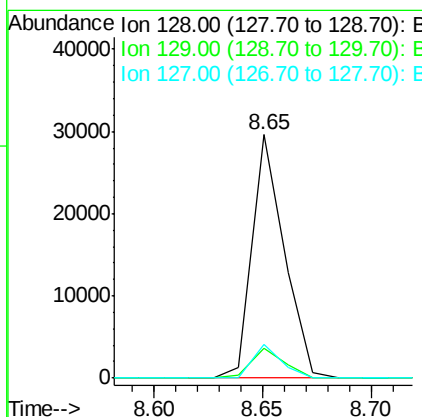
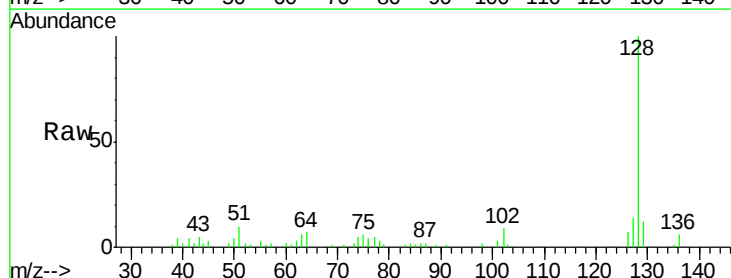
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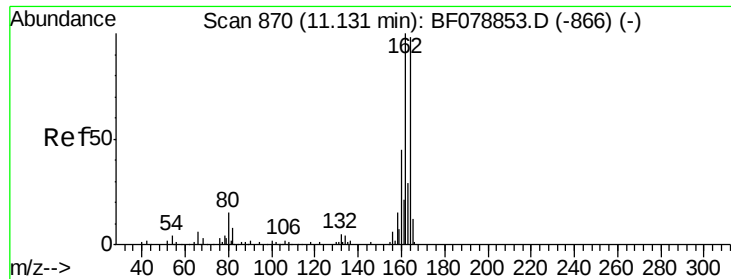
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#31
 Naphthalene
 Concen: 2.18 ng
 RT: 8.65 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: BF079464.D
 Acq: 23 May 2015 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	30374		
129	12.3	9.2	13.8	
127	13.9	10.3	15.5	





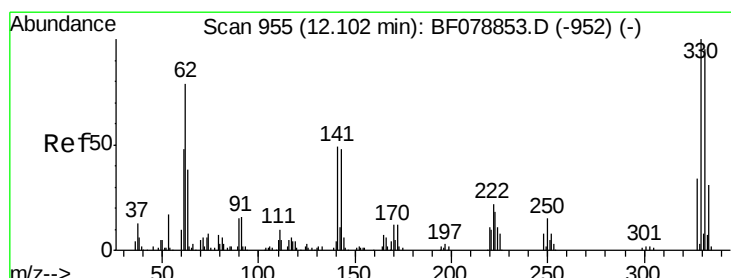
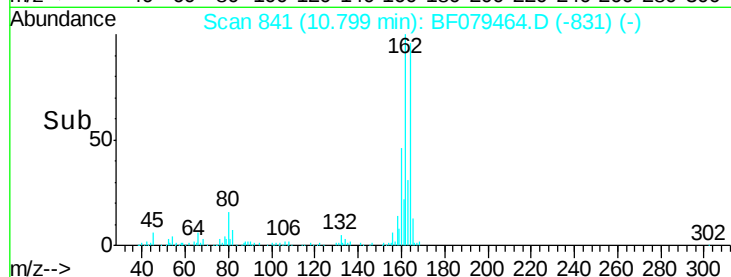
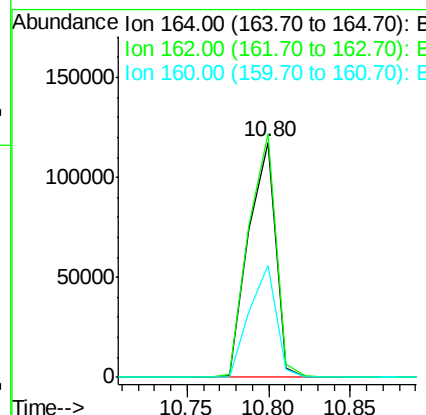
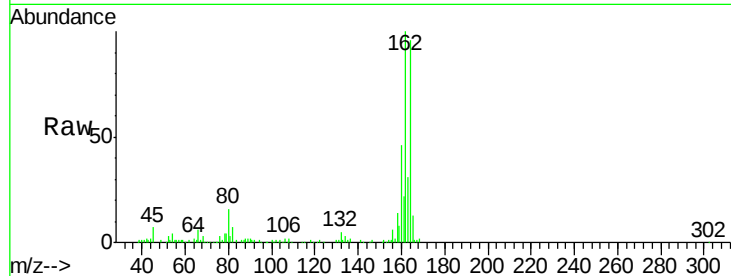
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	81.4	122.0	
160	47.6	36.6	54.8	

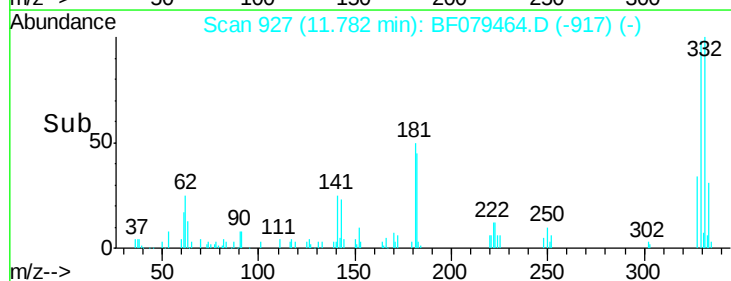
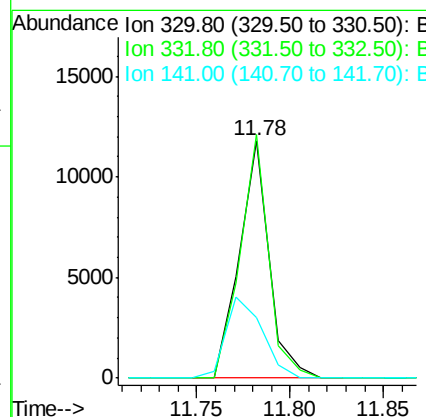
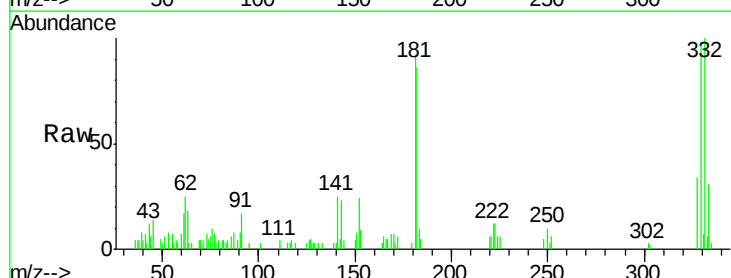
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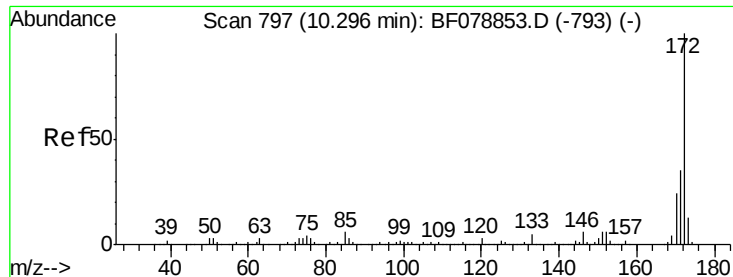
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#41
2,4,6-Tribromophenol
Concen: 9.00 ng
RT: 11.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.9	76.9	115.3	
141	41.5	27.8	41.8	





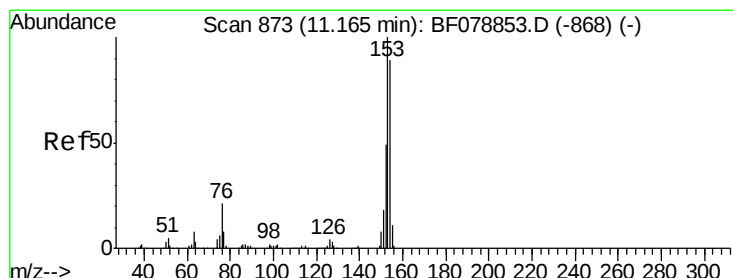
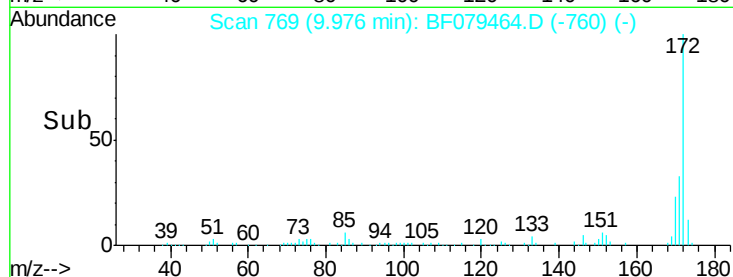
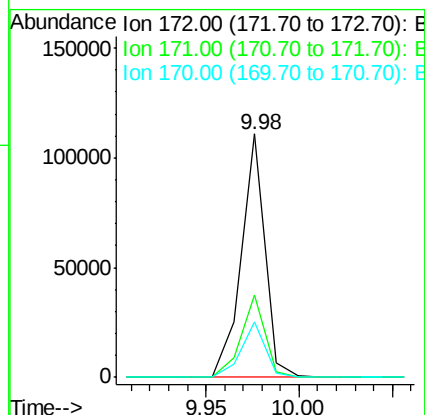
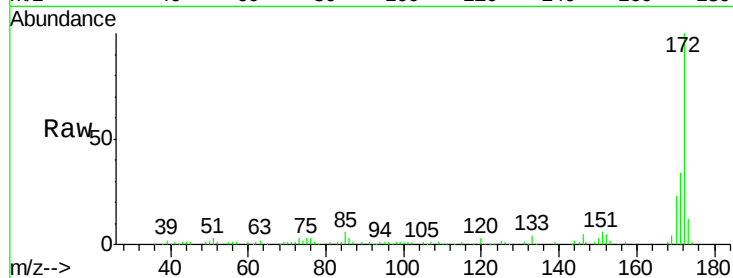
#44
2-Fluorobiphenyl
Concen: 10.19 ng
RT: 9.98 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	33.7	28.3	42.5
170	22.9	19.4	29.2

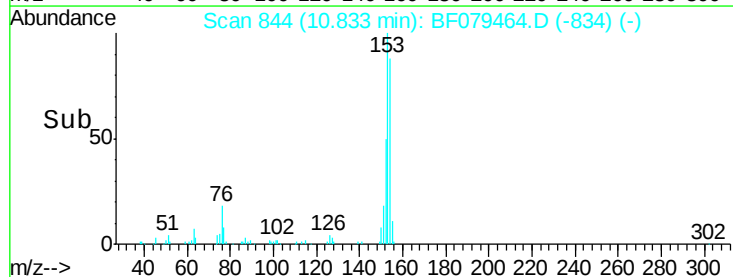
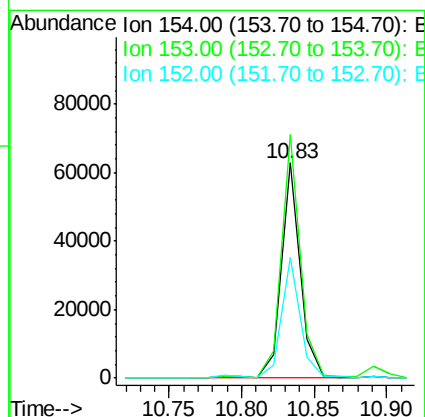
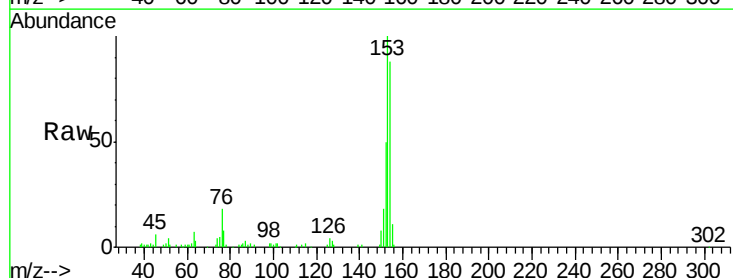
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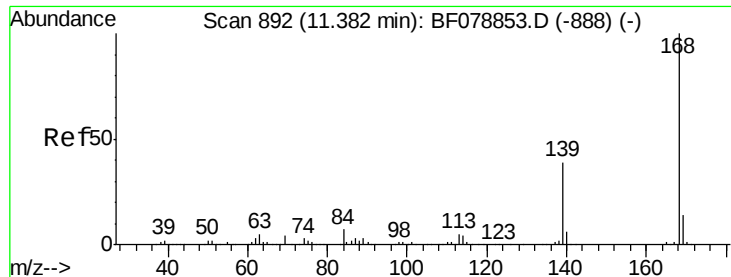
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#51
Acenaphthene
Concen: 6.92 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.1	90.2	135.2
152	56.3	43.8	65.8





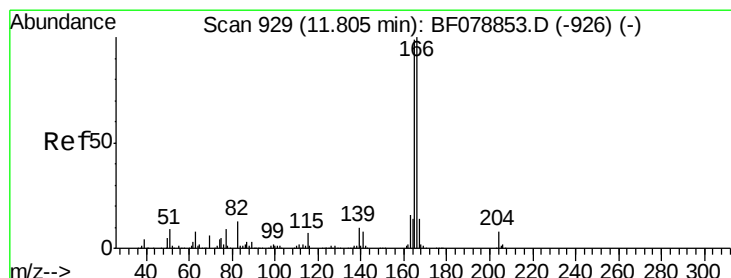
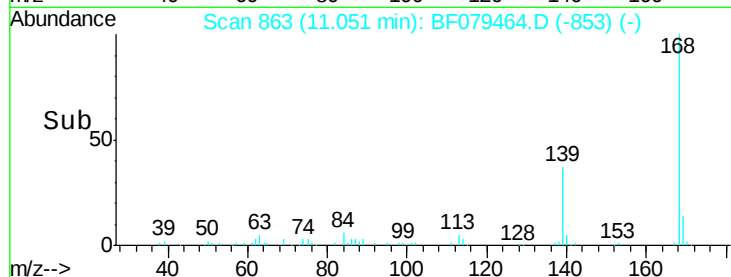
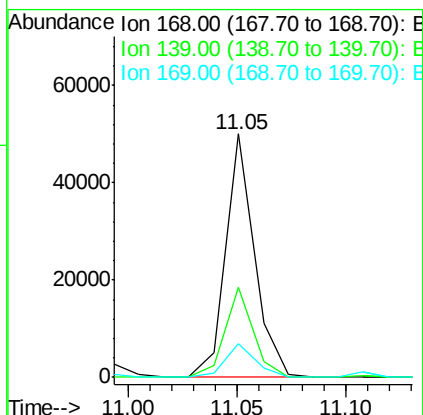
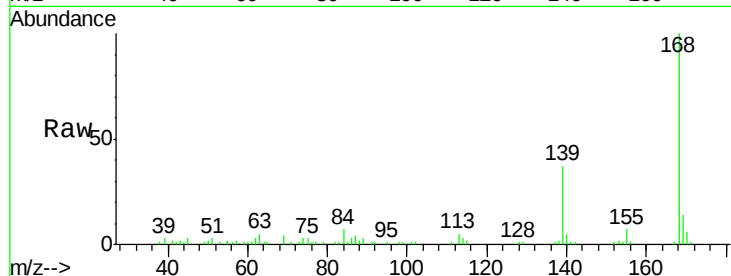
#54
Dibenzenofuran
Concen: 3.86 ng
RT: 11.05 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.7	31.5	47.3
169	14.0	11.0	16.4

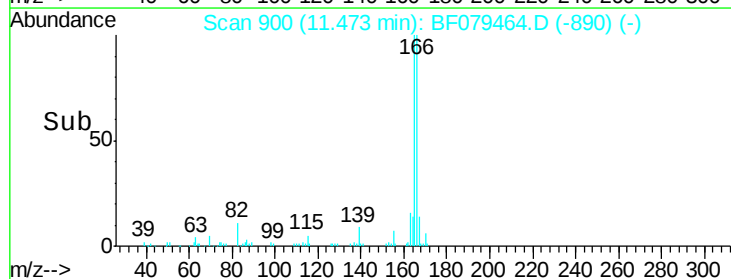
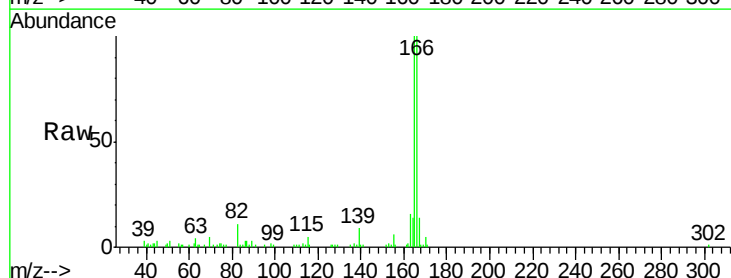
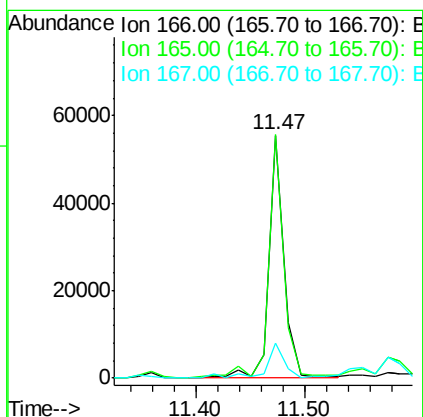
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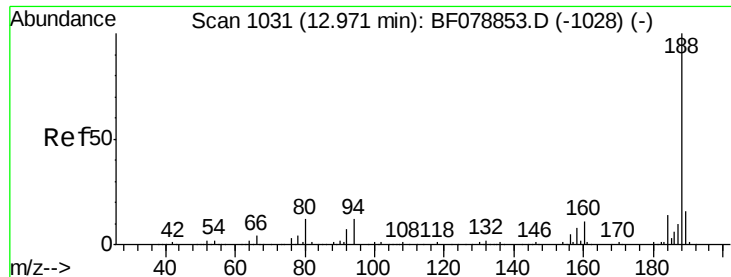
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#57
Fluorene
Concen: 5.51 ng
RT: 11.47 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.5	119.3
167	14.2	11.0	16.6





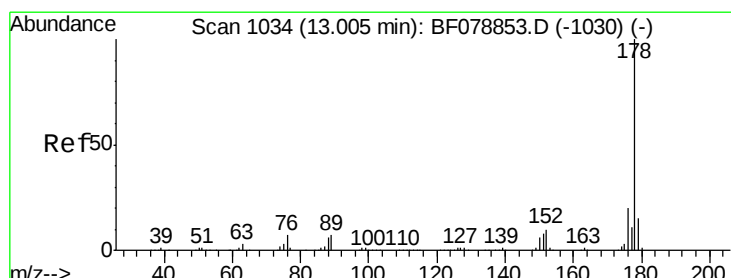
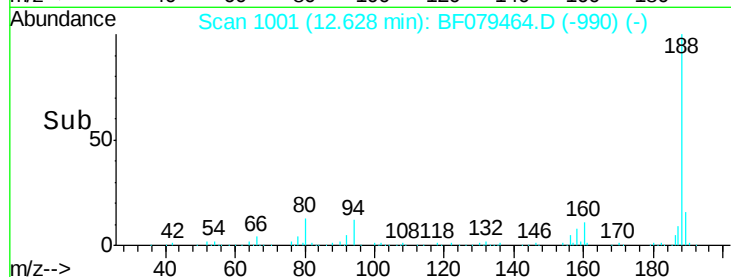
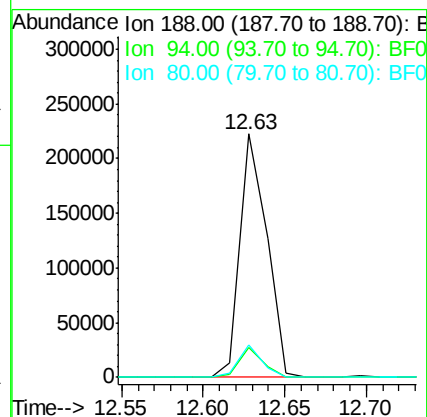
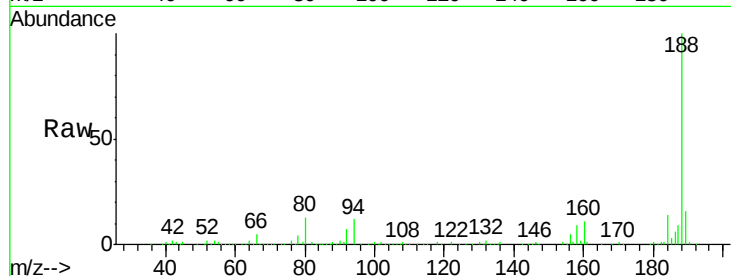
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	188	Resp	252126
Ion Ratio	Lower	Upper	
188	100		
94	12.0	9.4	14.0
80	13.1	9.8	14.6

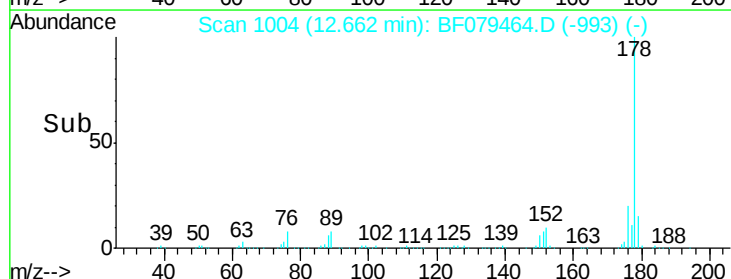
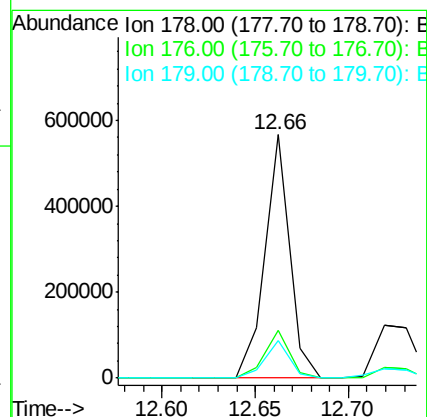
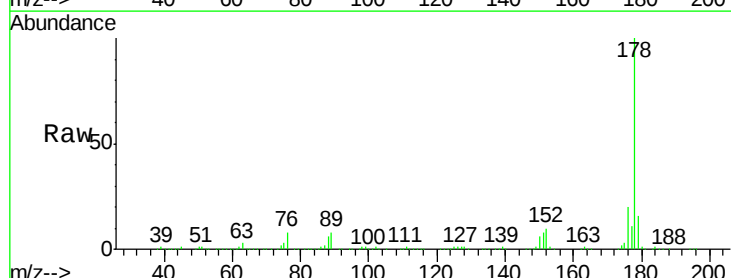
Manual Integrations
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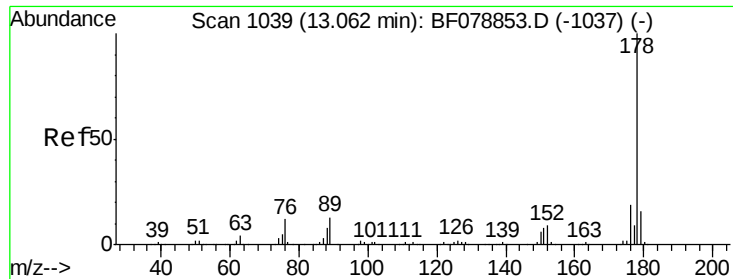
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#70
Phenanthrene
Concen: 36.92 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion	178	Resp	520723
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	15.5	12.2	18.4





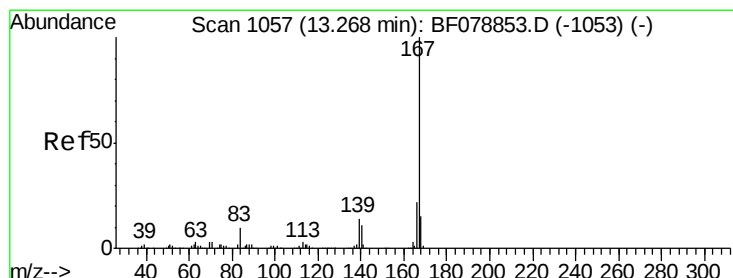
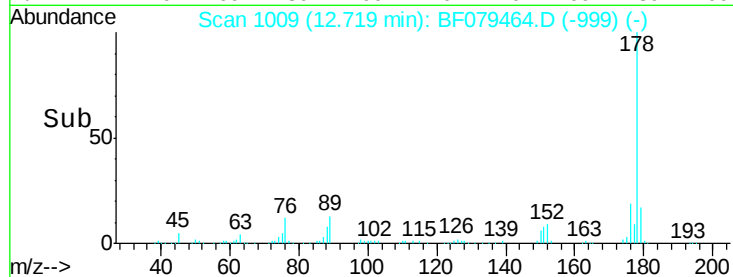
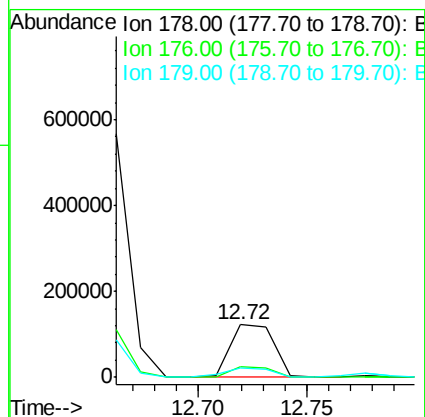
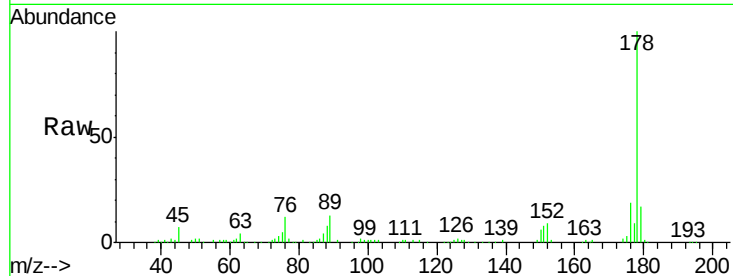
#71
 Anthracene
 Concen: 12.19 ng
 RT: 12.72 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF079464.D
 Acq: 23 May 2015 8:52

Instrument :
 BNA_F
 ClientSampled :
 SB-30D

Tot Ion:	178	Resp:	168709
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	16.9	12.6	19.0

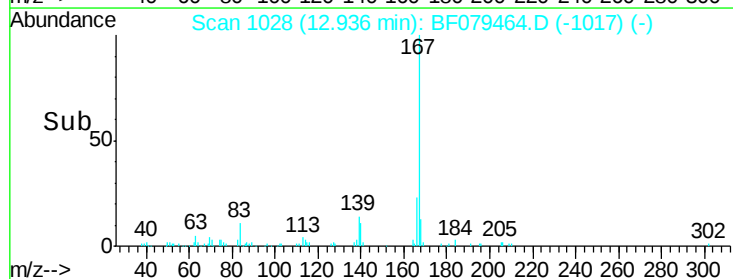
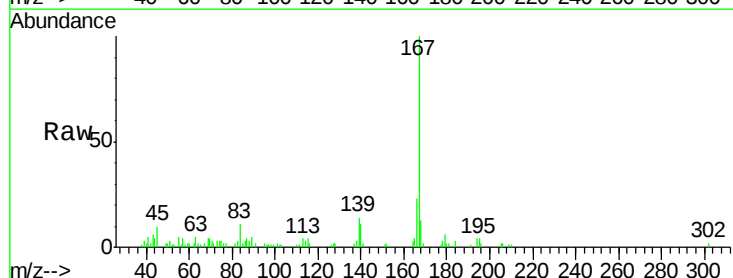
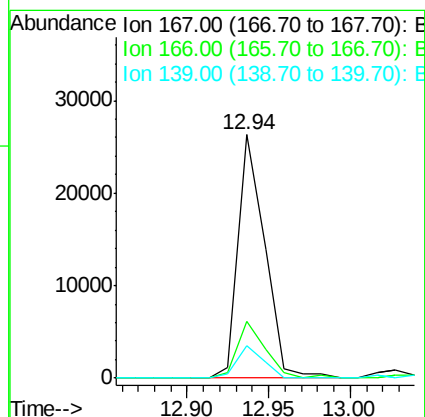
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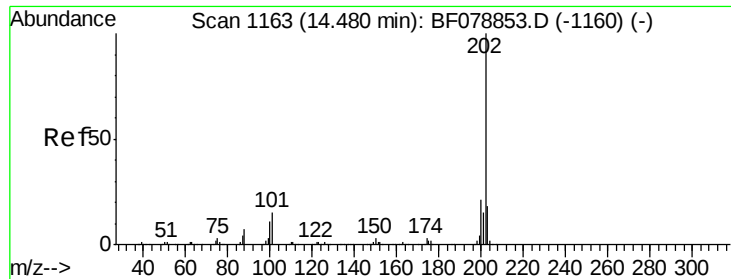
apatel
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#72
 Carbazole
 Concen: 2.25 ng
 RT: 12.94 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BF079464.D
 Acq: 23 May 2015 8:52

Tgt Ion:	167	Resp:	29637
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.5	26.3
139	13.6	11.0	16.4





#74

Fluoranthene

Concen: 37.40 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Instrument :

BNA_F

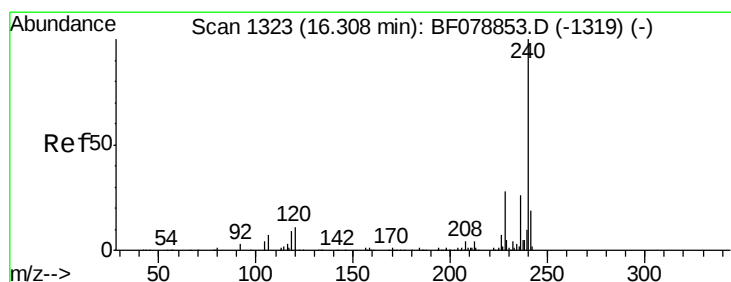
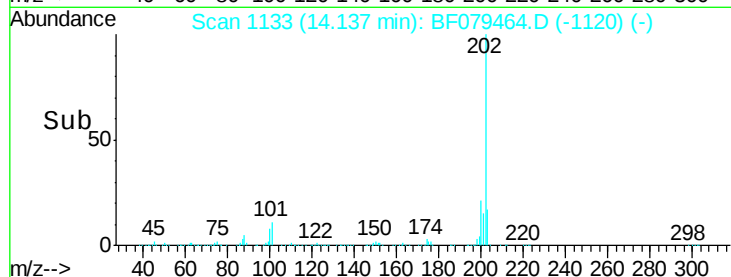
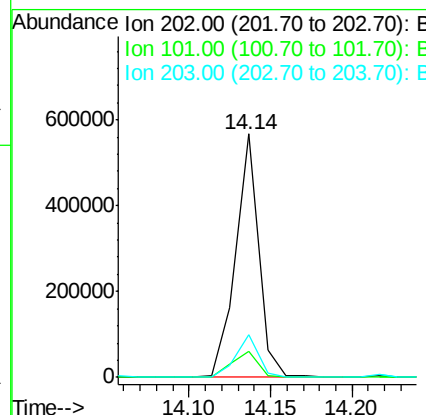
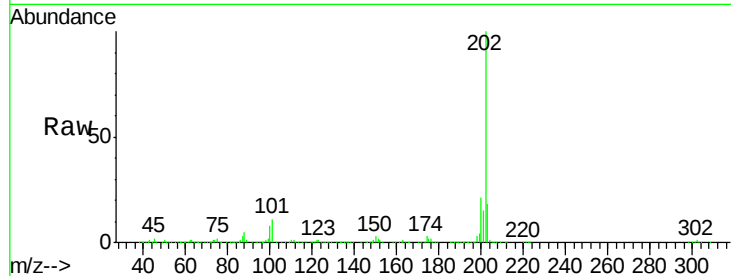
ClientSampleId :

SB-30D

Tot Ion:	202	Resp:	549725
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.7
203	17.7	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

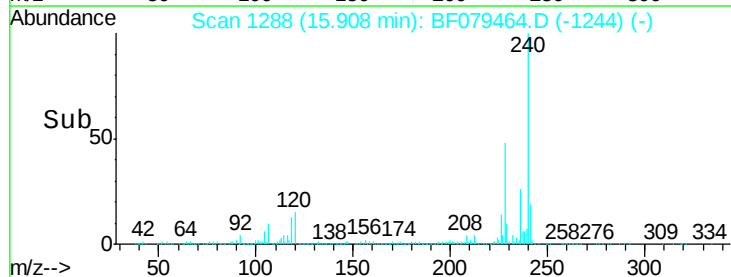
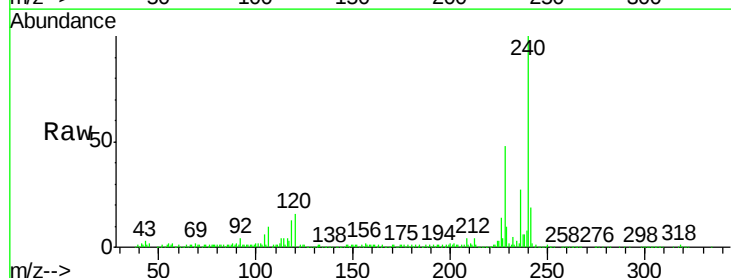
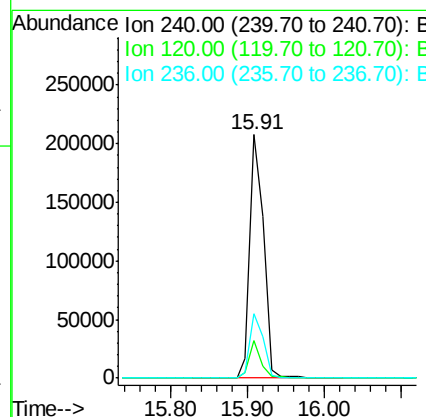
RT: 15.91 min Scan# 1288

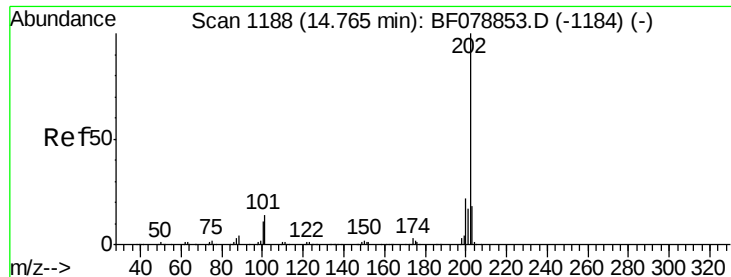
Delta R.T. -0.00 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Tgt Ion:	240	Resp:	259087
Ion Ratio	Lower	Upper	
240	100		
120	15.6	8.6	12.8#
236	26.5	21.0	31.6





#77

Pvrene

Concen: 32.88 ng

RT: 14.41 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Instrument :

BNA_F

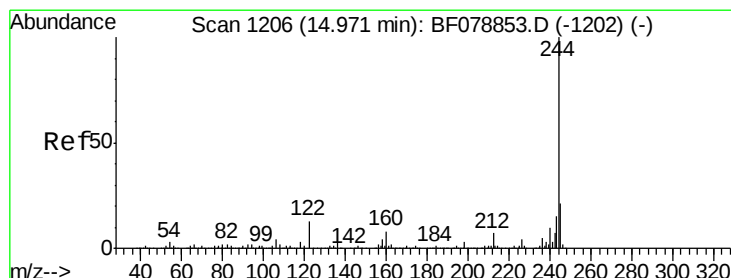
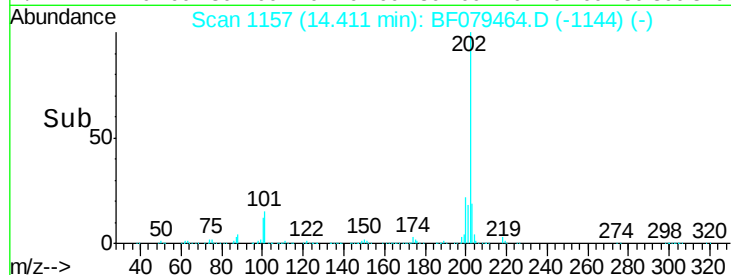
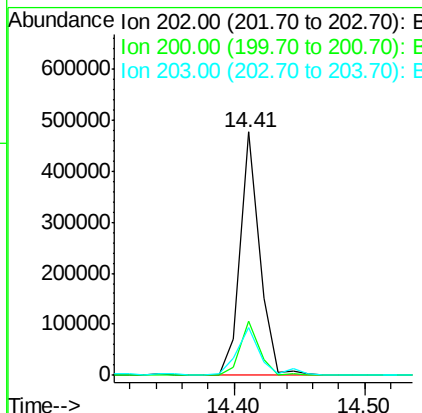
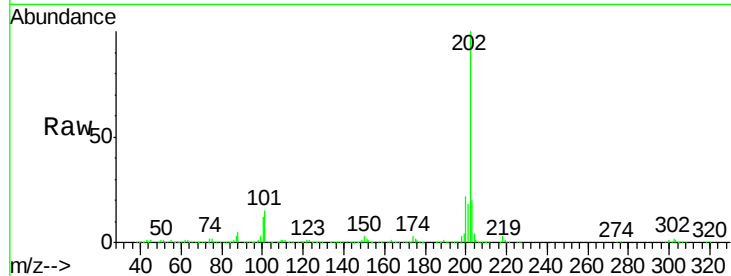
ClientSampleId :

SB-30D

Tot Ion:	202	Resp:	490909
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.5	26.3
203	19.6	14.7	22.1

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#78

Terphenyl-d14

Concen: 9.30 ng

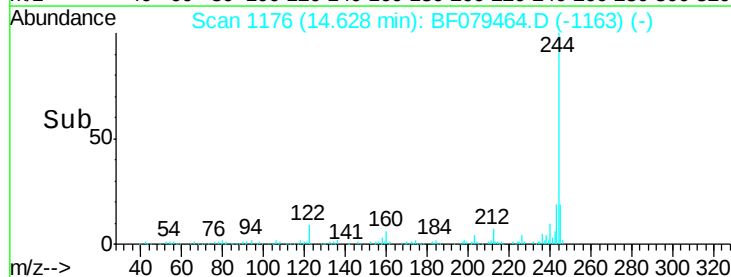
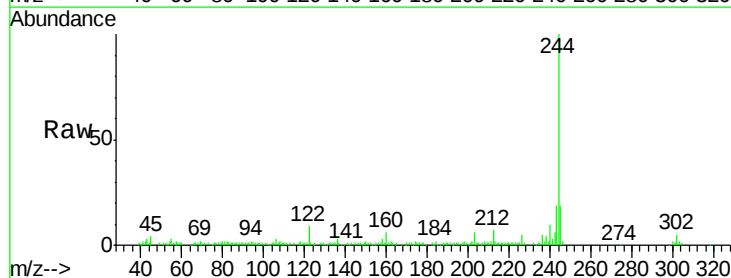
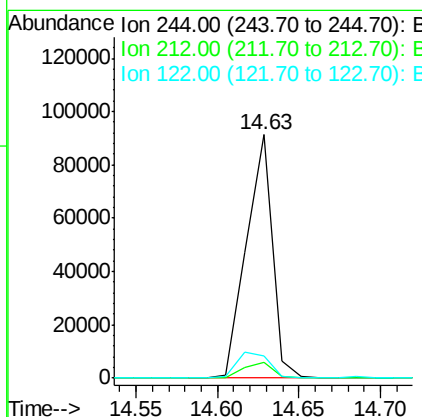
RT: 14.63 min Scan# 1176

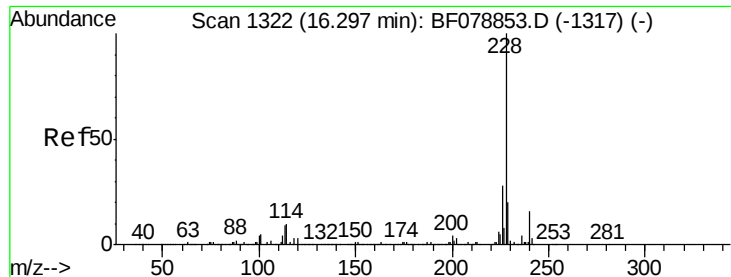
Delta R.T. -0.00 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Tgt Ion:	244	Resp:	100666
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.6	8.4
122	8.9	10.5	15.7#





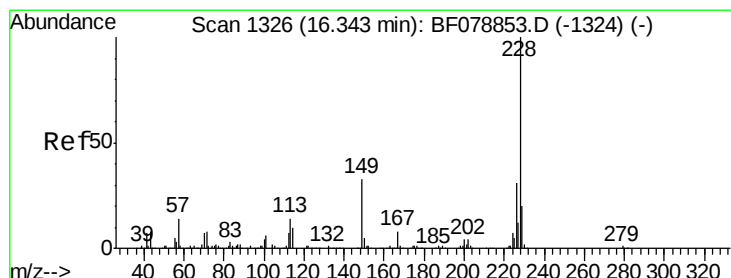
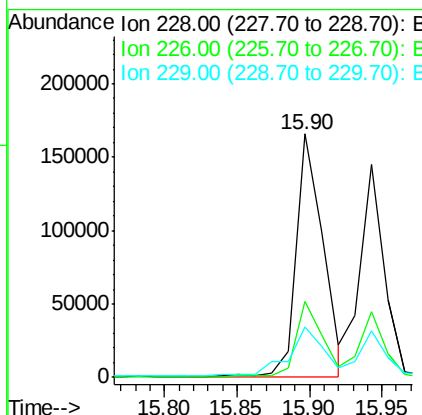
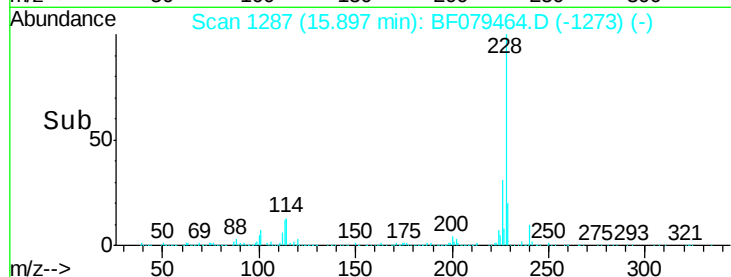
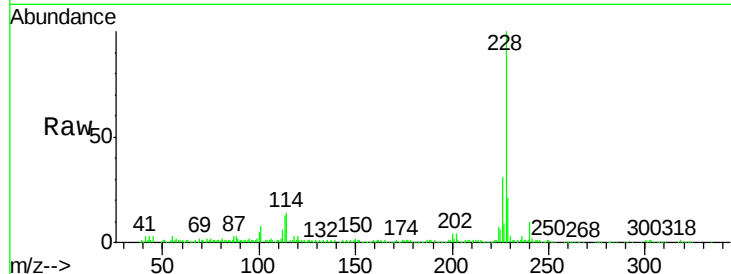
#80
Benzo(a)anthracene
Concen: 14.86 ng
RT: 15.90 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.3	33.5
229	20.9	16.1	24.1

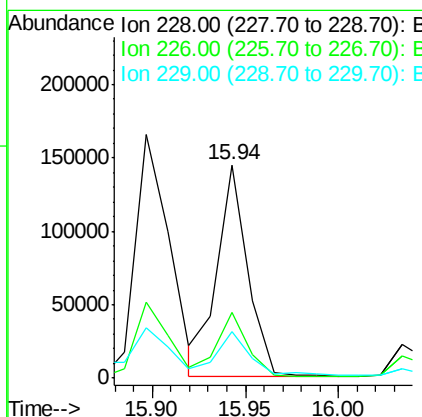
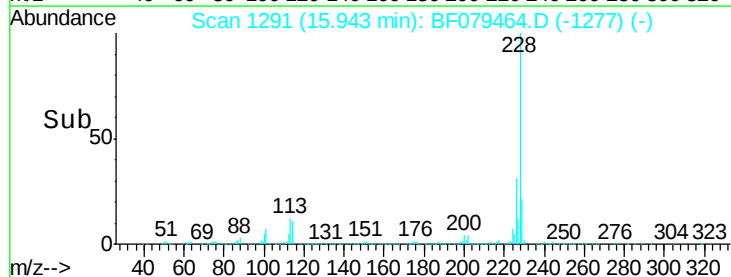
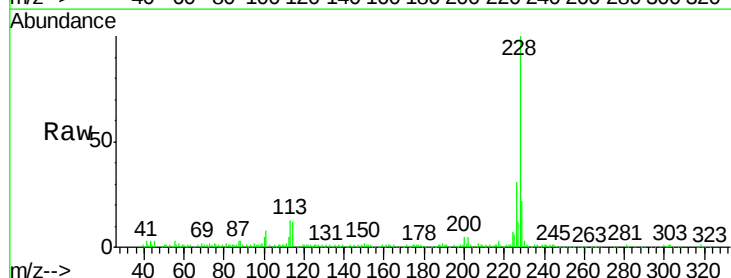
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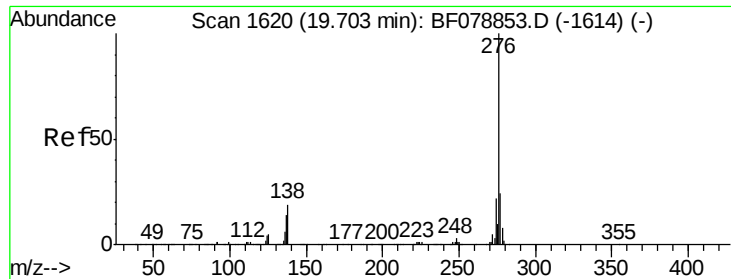
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#82
Chrysene
Concen: 12.19 ng
RT: 15.94 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.8	37.2
229	22.0	16.1	24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.76 ng

RT: 18.97 min Scan# 1556

Delta R.T. 0.03 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Instrument :

BNA_F

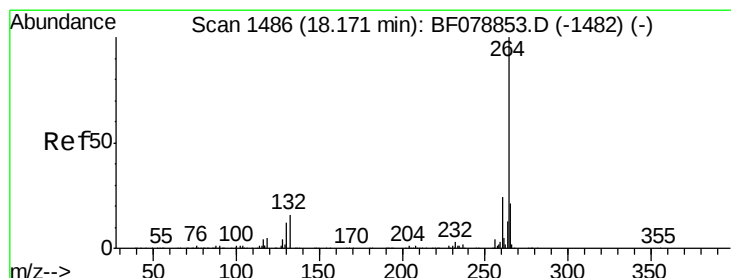
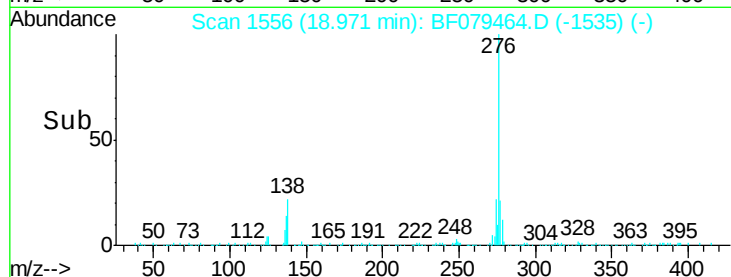
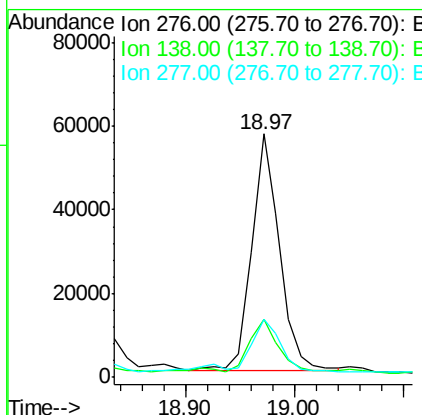
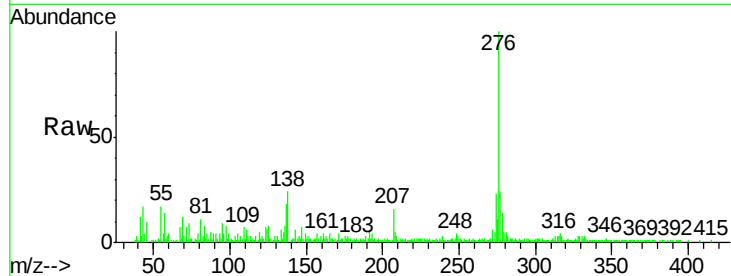
ClientSampleId :

SB-30D

Tot Ion:	276	Resp:	100087
Ion Ratio		Lower	Upper
276	100		
138	27.1	21.1	31.7
277	28.2	19.9	29.9

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#86

Perylene-d12

Concen: 20.00 ng

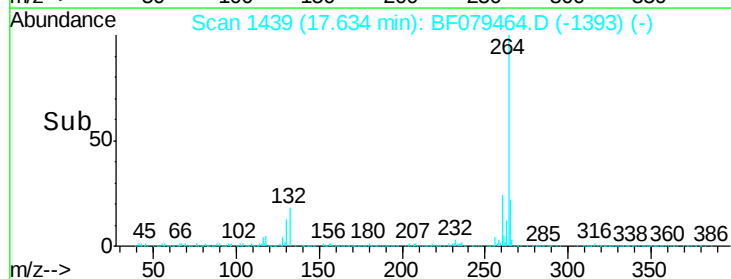
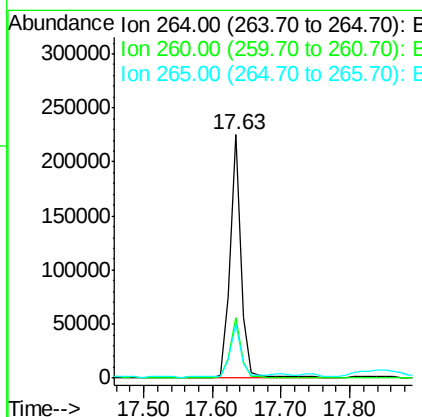
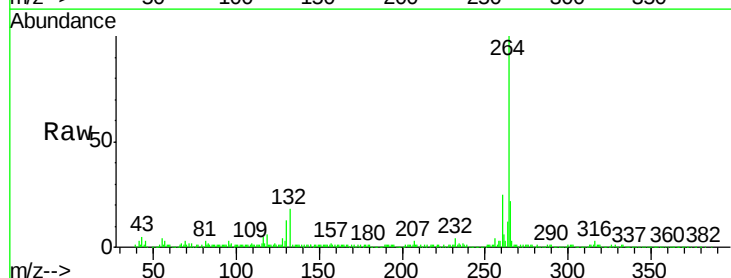
RT: 17.63 min Scan# 1439

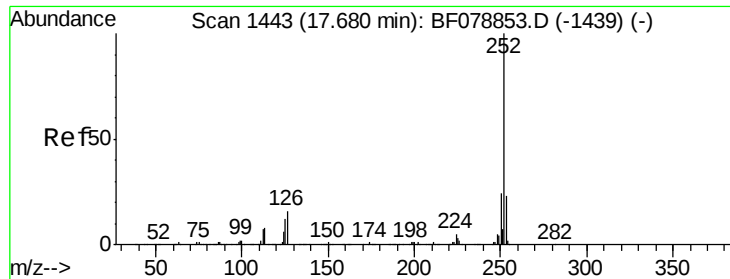
Delta R.T. 0.02 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Tgt Ion:	264	Resp:	255185
Ion Ratio		Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.0	17.2	25.8





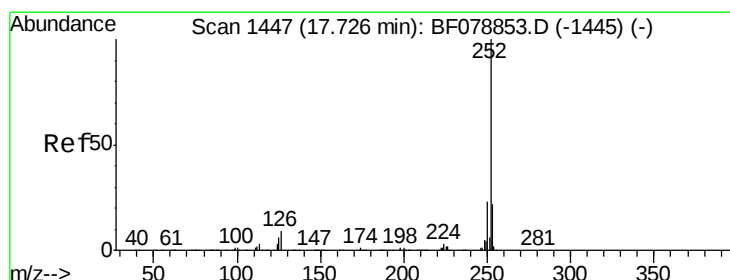
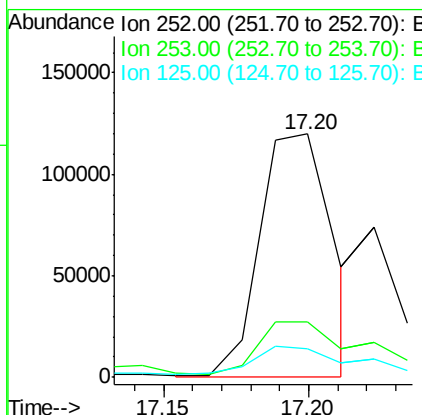
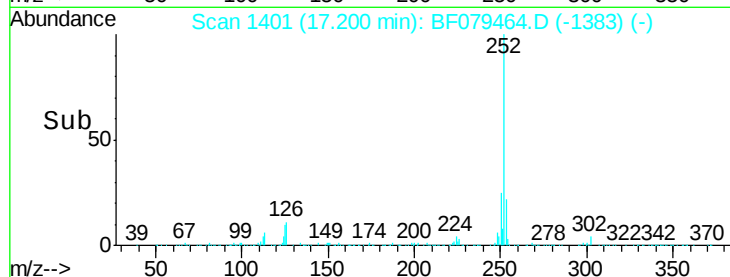
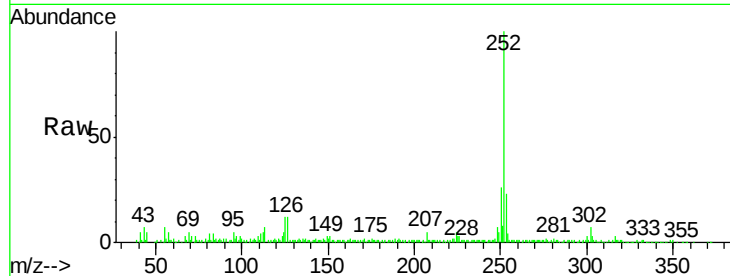
#87
Benzo(b)fluoranthene
Concen: 15.25 ng m
RT: 17.20 min Scan# 1401
Delta R.T. 0.02 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.8	9.4	14.2

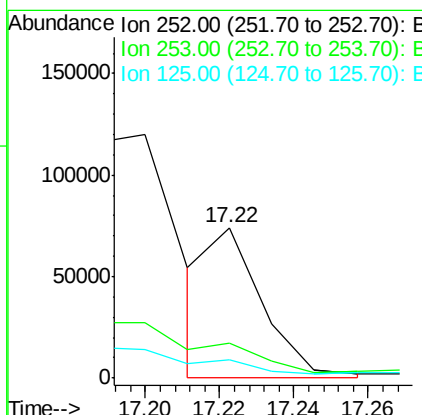
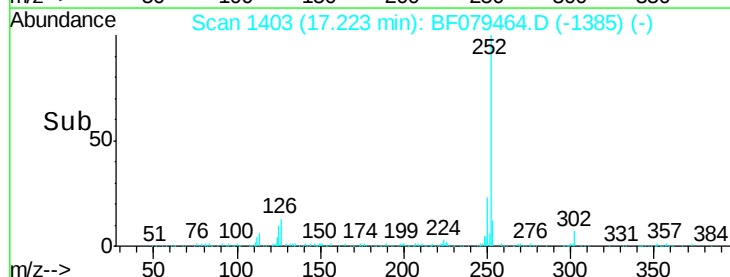
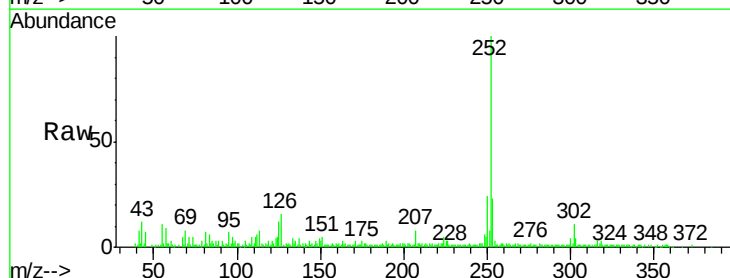
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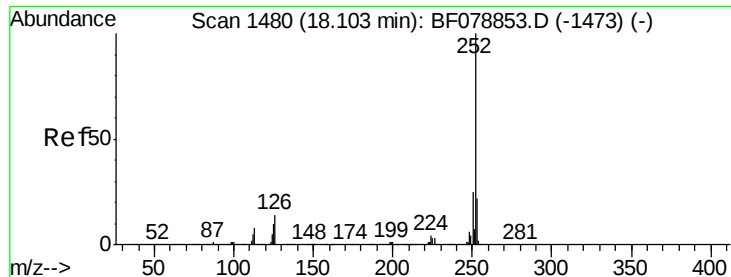
apatel
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#88
Benzo(k)fluoranthene
Concen: 5.41 ng m
RT: 17.22 min Scan# 1403
Delta R.T. 0.02 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	12.0	6.1	9.1





#89

Benzo(a)pyrene

Concen: 13.26 ng

RT: 17.57 min Scan# 1433

Delta R.T. 0.02 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Instrument :

BNA_F

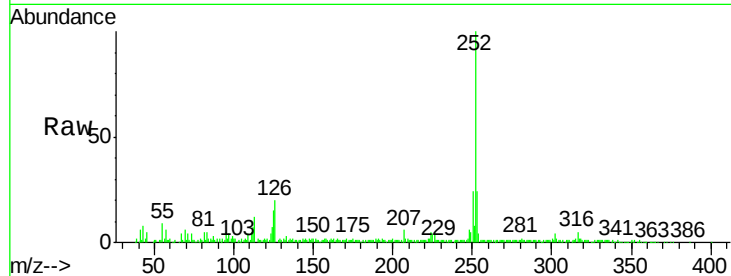
ClientSampled :

SB-30D

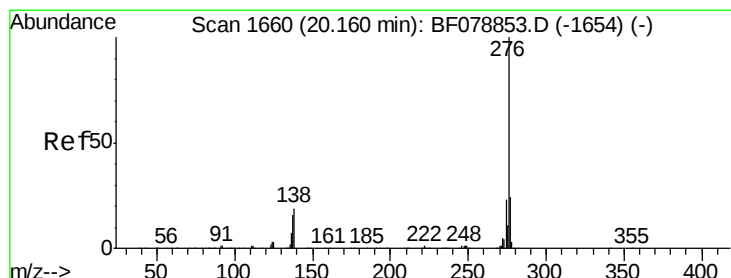
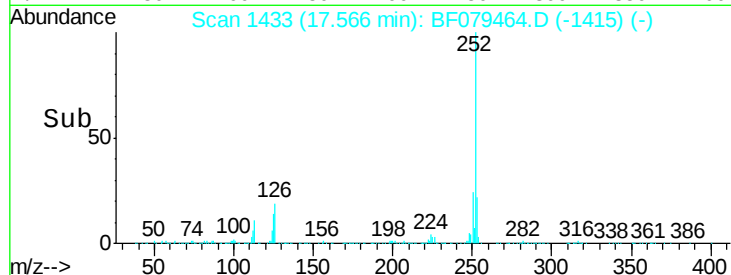
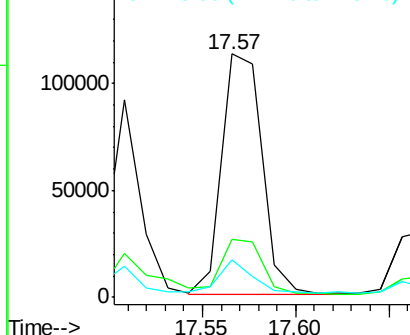
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	15.2	8.2	12.2#

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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



#91

Benzo(g,h,i)perylene

Concen: 7.22 ng

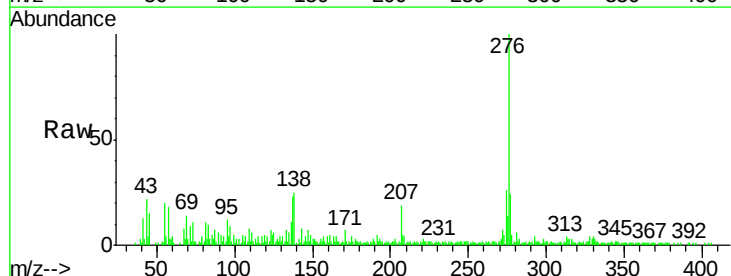
RT: 19.36 min Scan# 1590

Delta R.T. 0.03 min

Lab File: BF079464.D

Acq: 23 May 2015 8:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	24.9	15.2	22.8#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

