

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079474.D
 Acq On : 23 May 2015 13:39
 Operator : TP/IZ
 Sample : G2359-04 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27S

Manual Integrations
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Quant Time: May 25 08:02:05 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	75729	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	308121	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	151876	20.00	ng	0.00
63) Phenanthrene-d10	12.64	188	279597	20.00	ng	0.01
75) Chrysene-d12	15.93	240	269851	20.00	ng	0.02
86) Perylene-d12	17.70	264	289311	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	244940m	55.68	ng	0.02
7) Phenol-d6	6.65	99	334354m	57.50	ng	0.02
23) Nitrobenzene-d5	7.75	82	120698	22.51	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	60304	36.70	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	371034	34.04	ng	0.00
78) Terphenyl-d14	14.63	244	387678	34.40	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.65	128	102767	7.00	ng	99
37) 2-Methylnaphthalene	9.52	142	28687	2.82	ng	97
48) Acenaphthylene	10.63	152	31714	2.05	ng	97
49) Dimethylphthalate	10.49	163	23606	2.12	ng	100
51) Acenaphthene	10.83	154	79087	8.58	ng	99
54) Dibenzofuran	11.05	168	84102	6.31	ng	99
57) Fluorene	11.47	166	83809	7.67	ng	99
70) Phenanthrene	12.66	178	996882	63.73	ng	98
71) Anthracene	12.73	178	262670	17.12	ng	100
72) Carbazole	12.95	167	90302	6.17	ng	98
74) Fluoranthene	14.14	202	1235254	75.79	ng	98
77) Pyrene	14.42	202	1160754	74.65	ng	99
80) Benzo(a)anthracene	15.91	228	585791	39.64	ng	95
82) Chrysene	15.95	228	513813	36.15	ng	98
83) Bis(2-ethylhexyl)phthalate	15.98	149	21930	2.13	ng	98
85) Indeno(1,2,3-cd)pyrene	19.06	276	312514m	17.26	ng	
87) Benzo(b)fluoranthene	17.25	252	613406m	38.74	ng	
88) Benzo(k)fluoranthene	17.26	252	258966m	16.89	ng	
89) Benzo(a)pyrene	17.63	252	491562	33.71	ng	97
90) Dibenzo(a,h)anthracene	19.07	278	87175	5.63	ng	# 90
91) Benzo(g,h,i)perylene	19.45	276	319979	20.60	ng	# 95

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

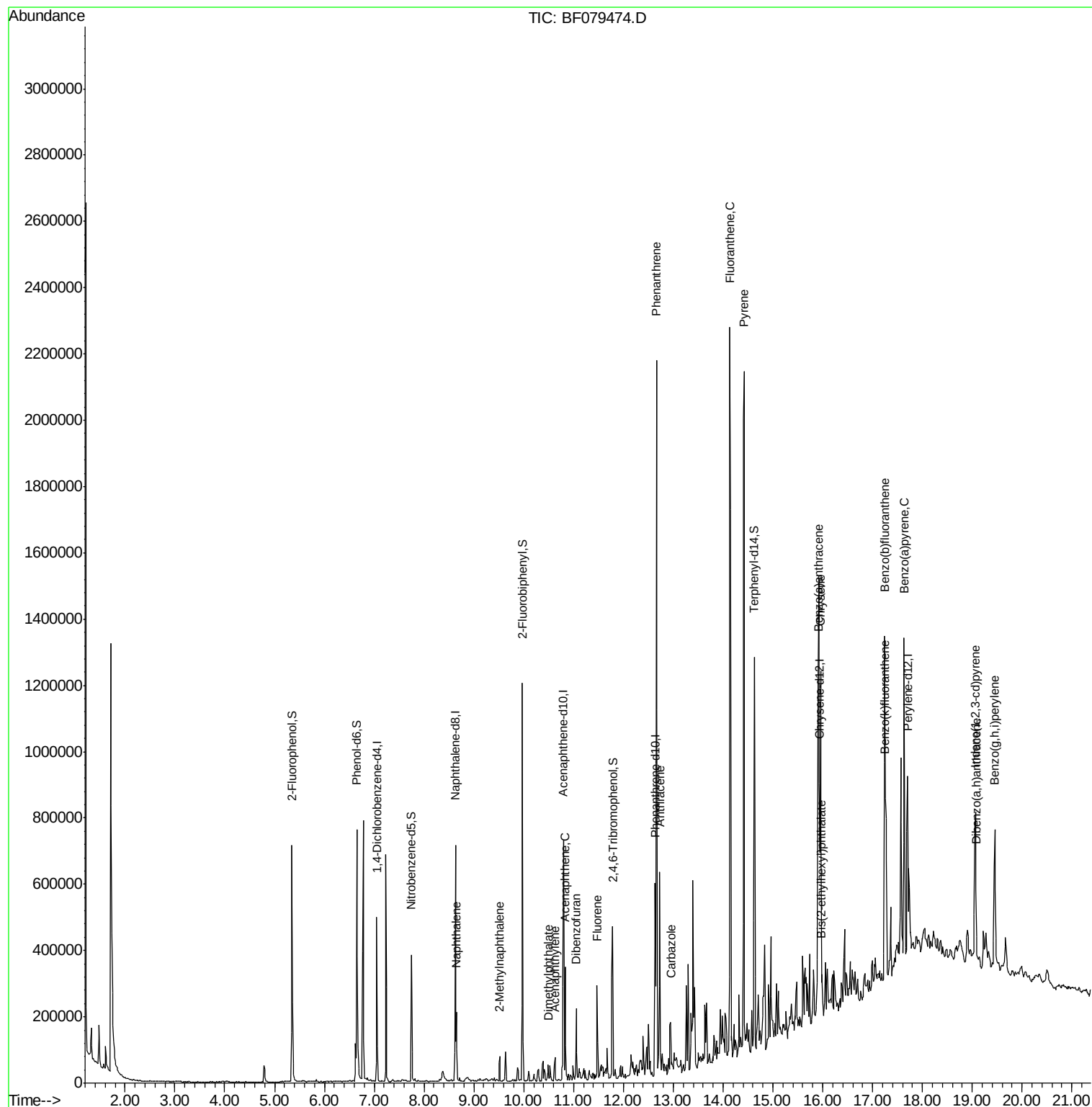
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079474.D
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ALS Vial : 42 Sample Multiplier: 1

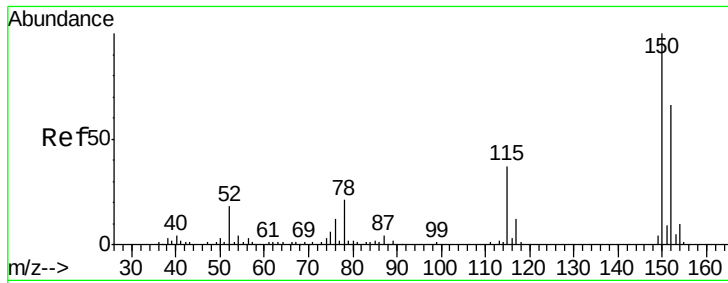
Instrument :
BNA_F
ClientSampleId :
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Quant Time: May 25 08:02:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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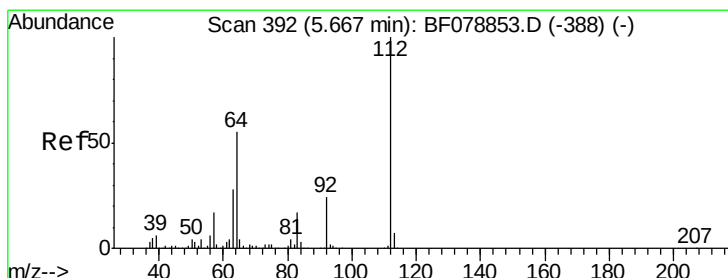
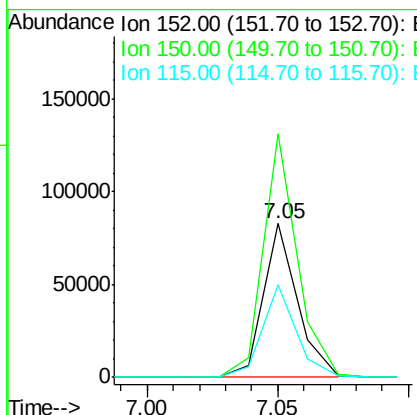
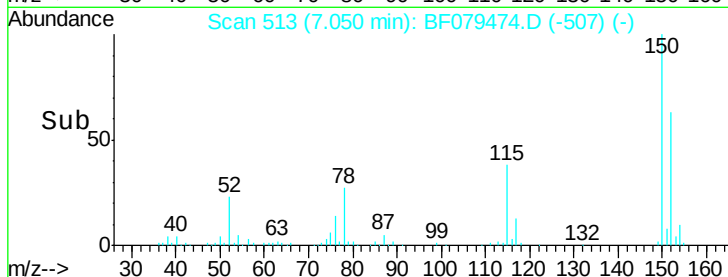
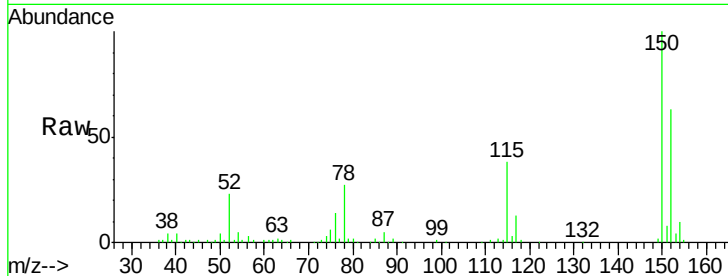
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-27S

Tot Ion:	152	Resp:	75729
Ion Ratio	Lower	Upper	
152	100		
150	158.5	123.8	185.8
115	60.6	49.4	74.0

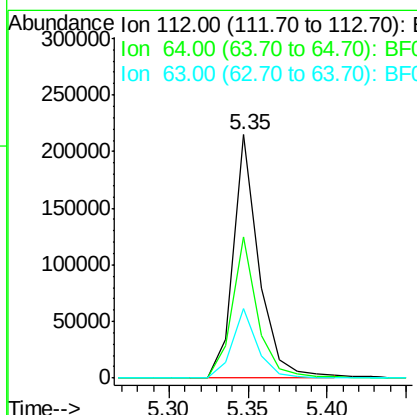
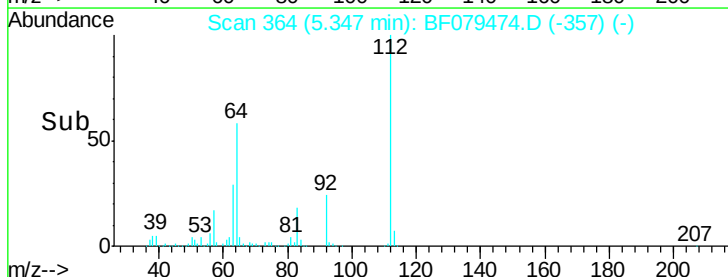
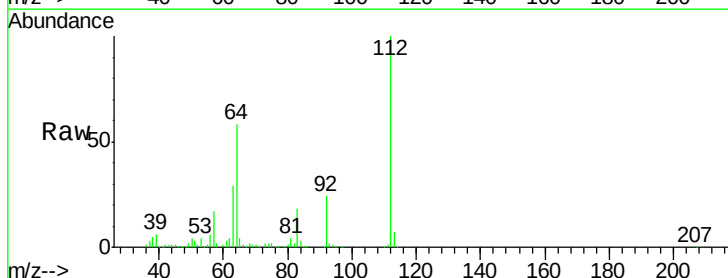
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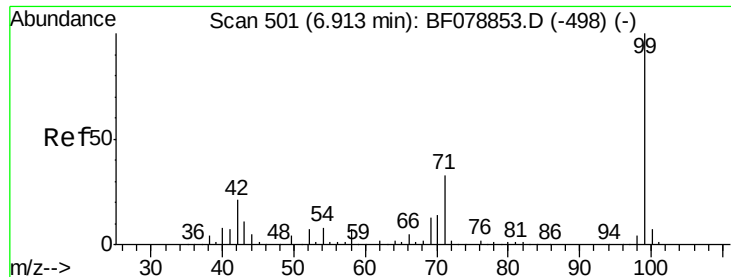
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#5
 2-Fluorophenol
 Concen: 55.68 ng m
 RT: 5.35 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Tgt Ion:	112	Resp:	244940
Ion Ratio	Lower	Upper	
112	100		
64	57.8	44.2	66.2
63	28.6	22.7	34.1





#7

Phenol-d6

Concen: 57.50 ng/mL

RT: 6.65 min Scan# 478

Delta R.T. 0.02 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Instrument :

BNA_F

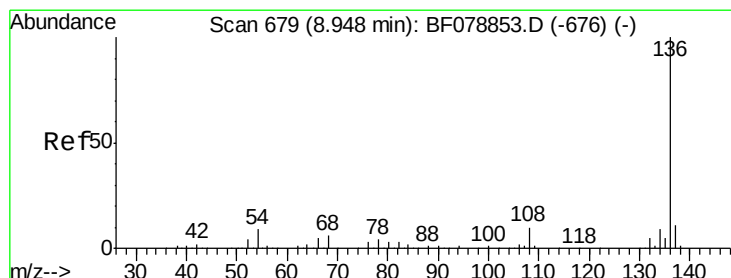
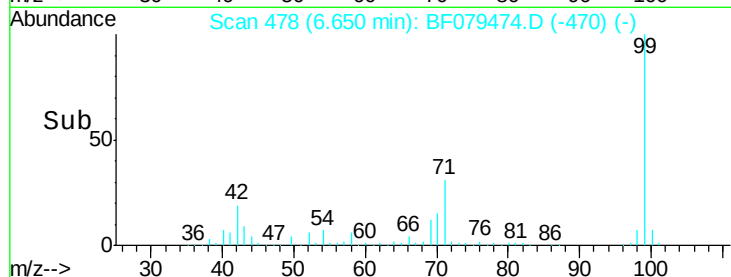
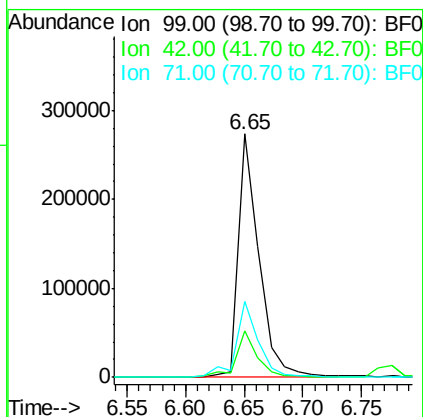
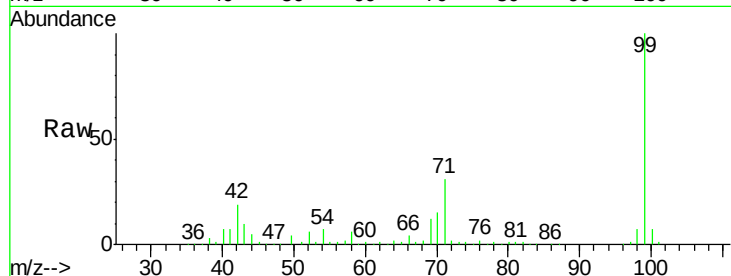
ClientSampled :

SB-27S

Tot Ion:	99	Resp:	334354
Ion Ratio	Lower	Upper	
99	100		
42	19.0	17.1	25.7
71	31.4	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

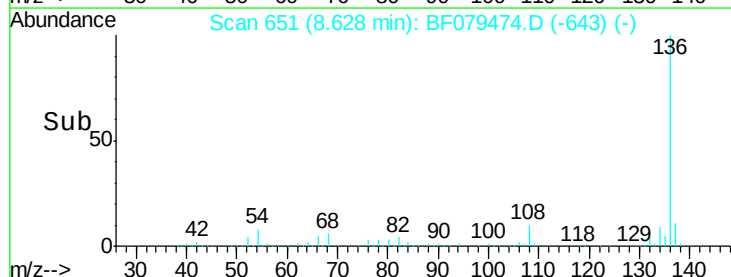
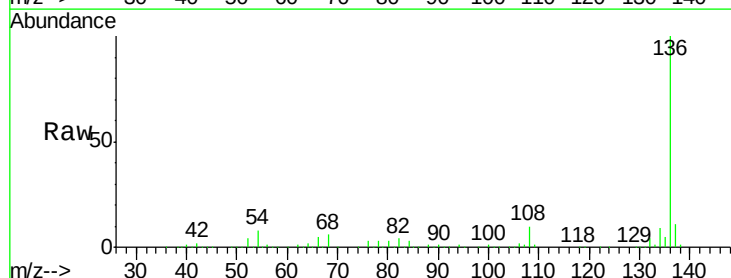
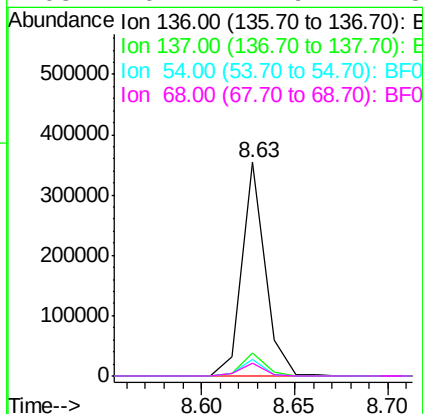
RT: 8.63 min Scan# 651

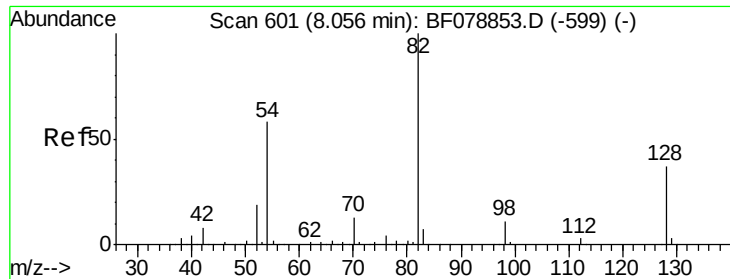
Delta R.T. -0.00 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Tgt Ion:	136	Resp:	308121
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	7.7	6.9	10.3
68	6.1	4.9	7.3





#23

Nitrobenzene-d5

Concen: 22.51 ng

RT: 7.75 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Instrument :

BNA_F

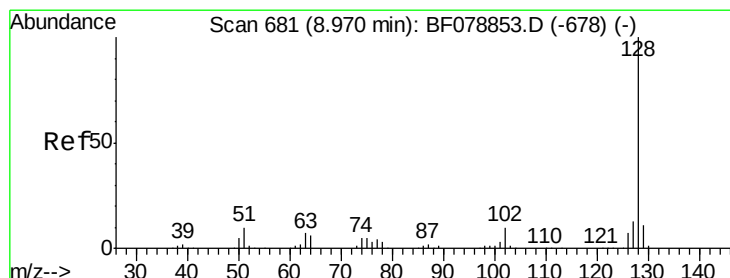
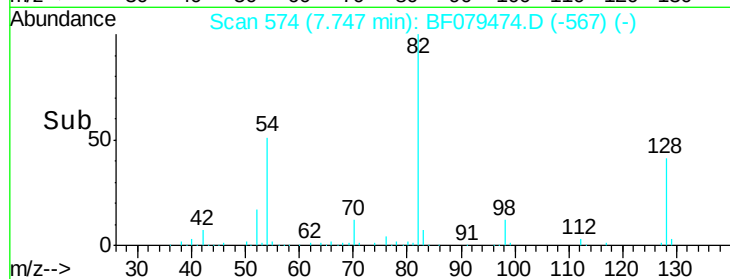
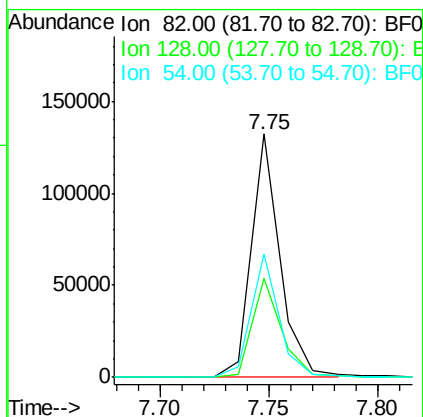
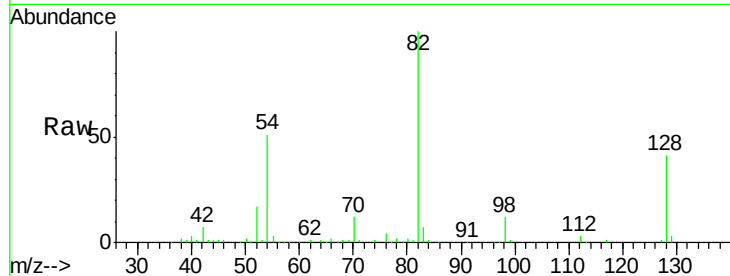
ClientSampled :

SB-27S

Tot Ion:	82	Resp:	120698
Ion Ratio	Lower	Upper	
82	100		
128	40.8	29.7	44.5
54	50.5	46.2	69.4

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#31

Naphthalene

Concen: 7.00 ng

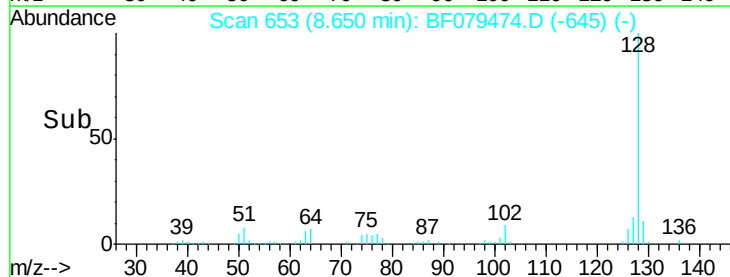
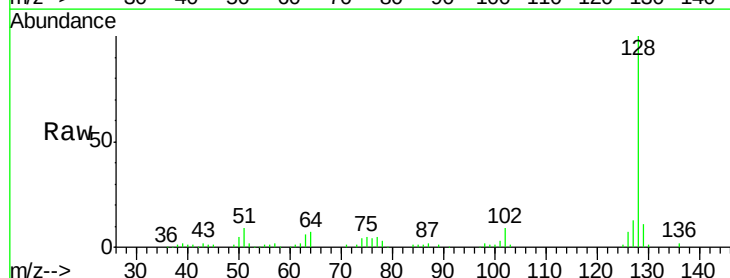
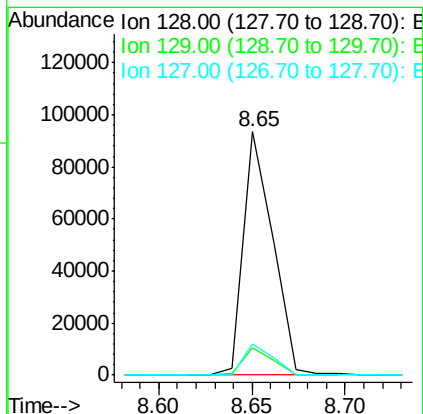
RT: 8.65 min Scan# 653

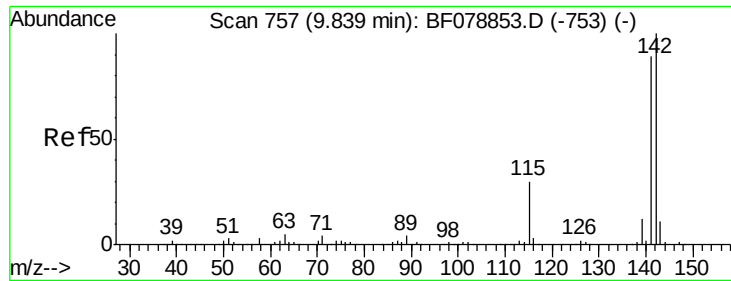
Delta R.T. -0.00 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Tgt Ion:	128	Resp:	102767
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.2	13.8
127	12.7	10.3	15.5





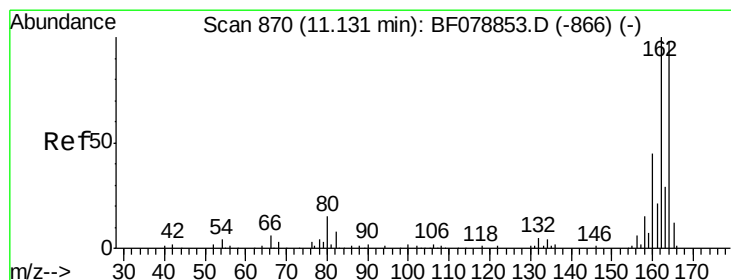
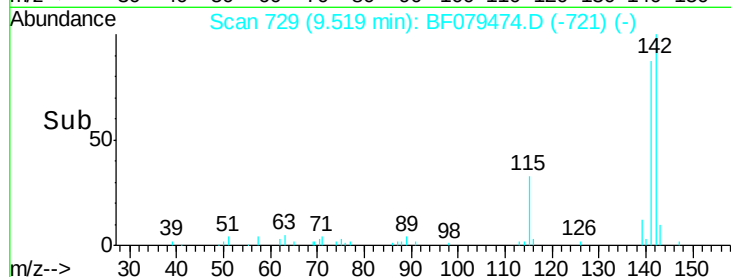
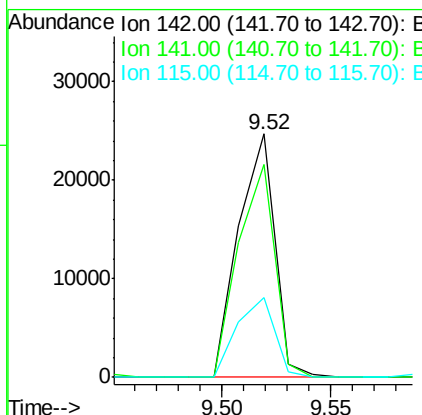
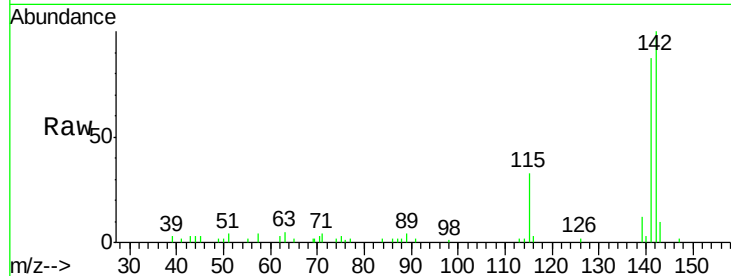
#37
2-Methylnaphthalene
Concen: 2.82 ng
RT: 9.52 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF079474.D
Acq: 23 May 2015 13:39

Instrument :
BNA_F
ClientSampleId :
SB-27S

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.6	107.4
115	32.6	24.2	36.4

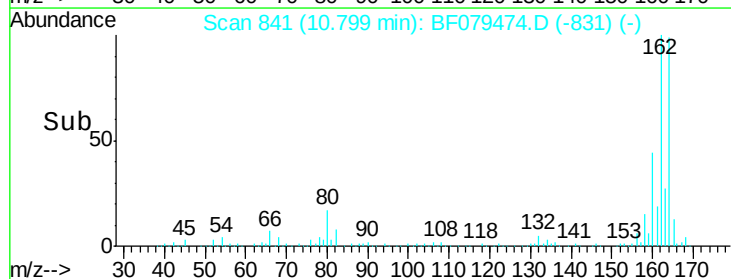
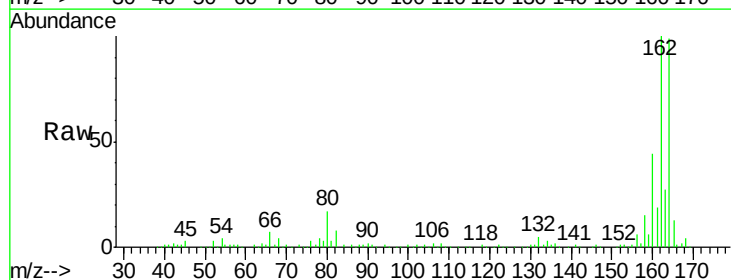
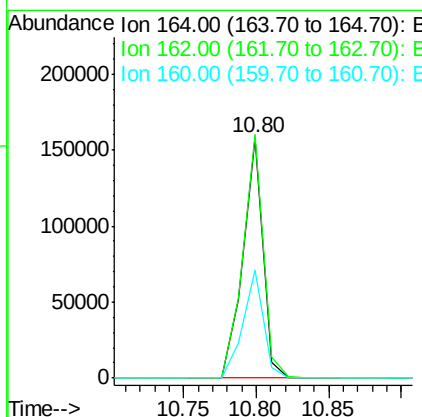
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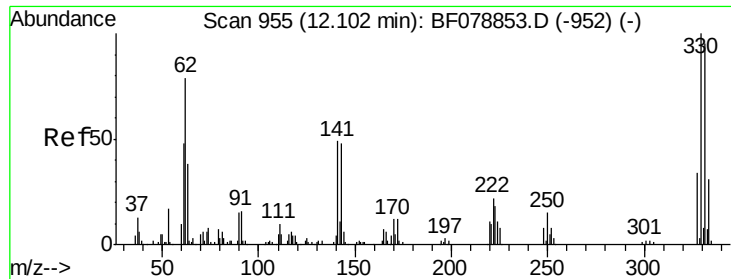
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079474.D
Acq: 23 May 2015 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.4	122.0
160	44.8	36.6	54.8





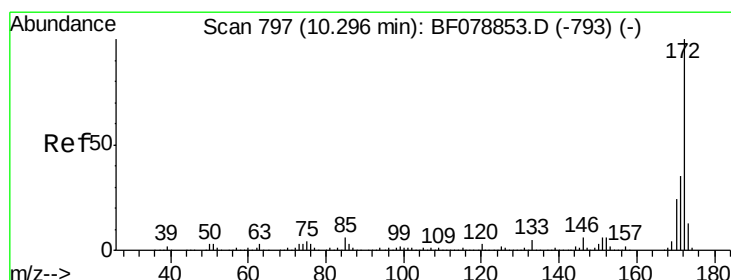
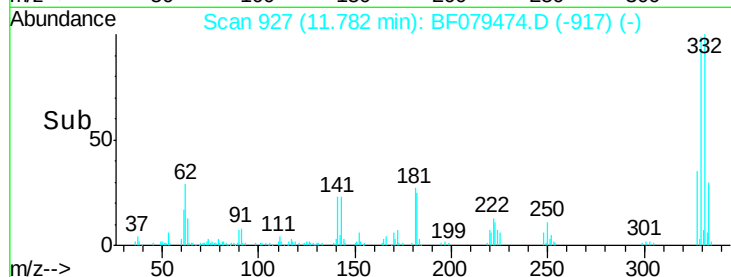
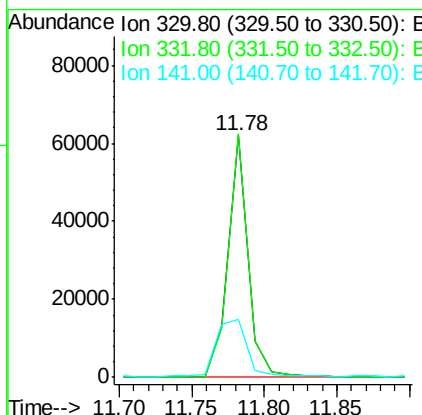
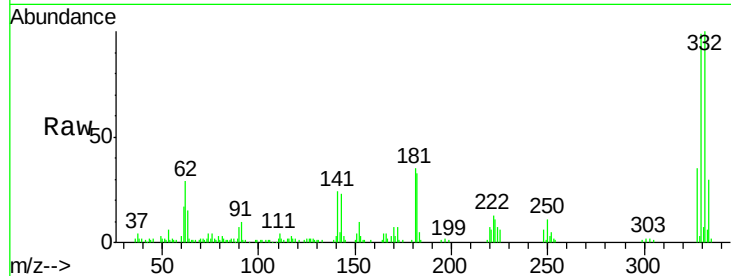
#41
 2,4,6-Tribromophenol
 Concen: 36.70 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Instrument :
 BNA_F
 ClientSampled :
 SB-27S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	60304		
332	99.2	76.9	115.3	
141	38.8	27.8	41.8	

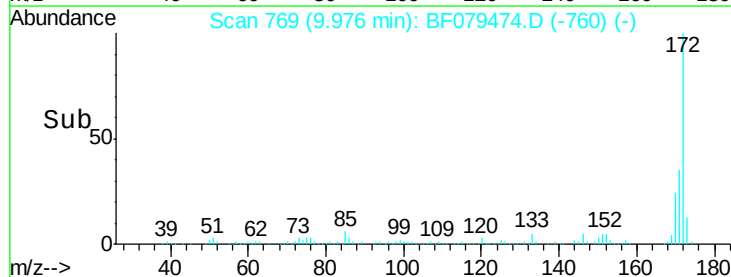
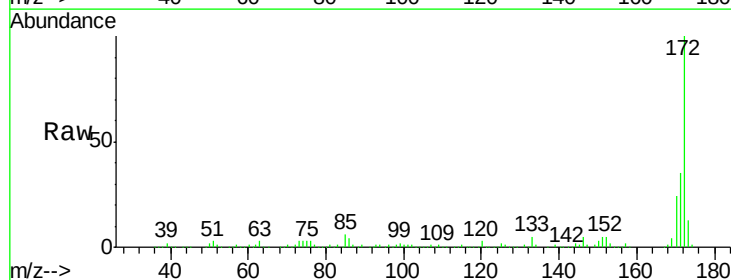
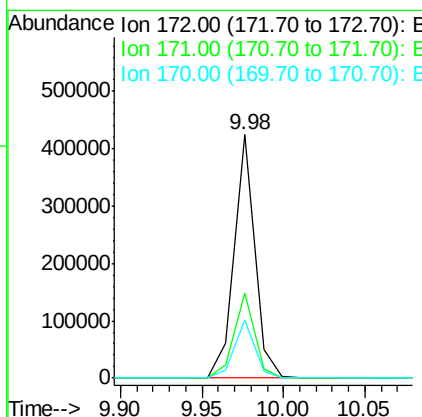
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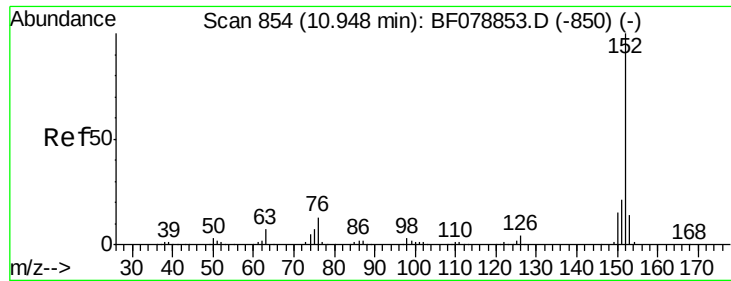
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#44
 2-Fluorobiphenyl
 Concen: 34.04 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	371034		
171	34.6	28.3	42.5	
170	24.1	19.4	29.2	





#48

Acenaphthylene

Concen: 2.05 ng

RT: 10.63 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Instrument :

BNA_F

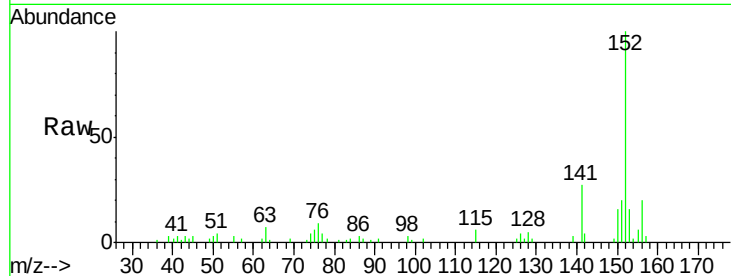
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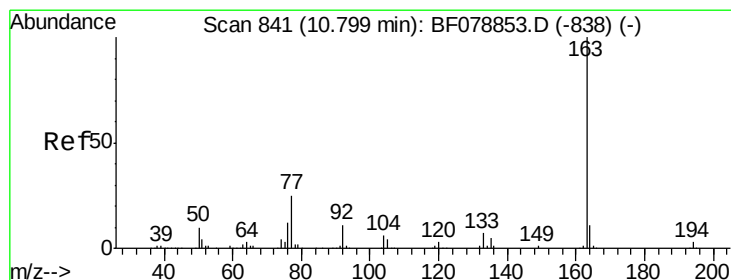
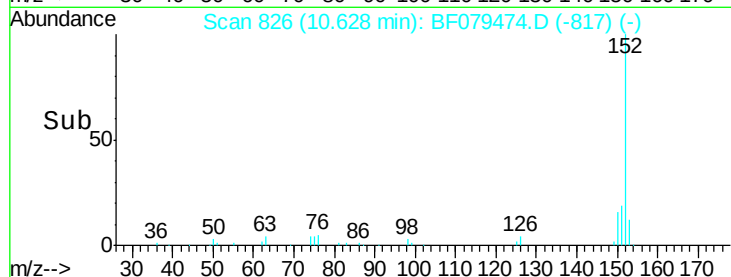
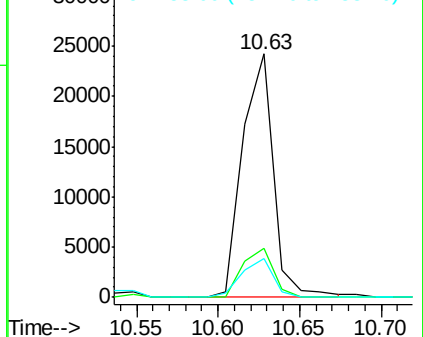
Tot Ion:	152	Resp:	31714
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.6	24.8
153	16.2	11.0	16.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.12 ng

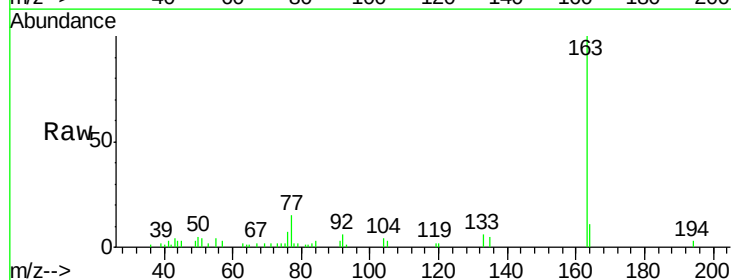
RT: 10.49 min Scan# 814

Delta R.T. -0.00 min

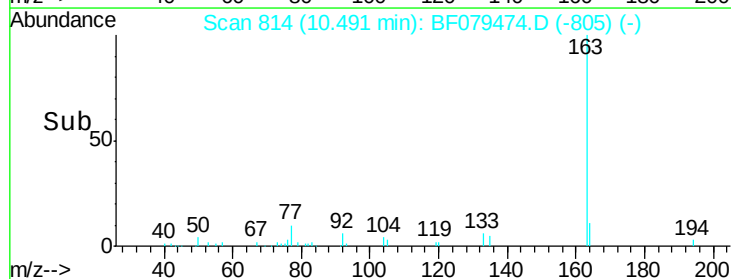
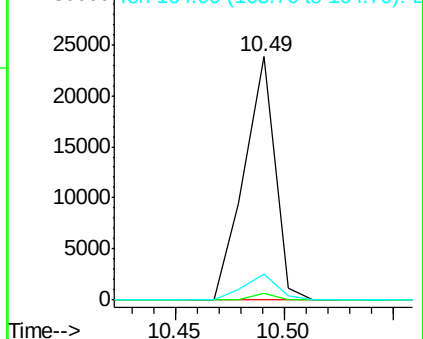
Lab File: BF079474.D

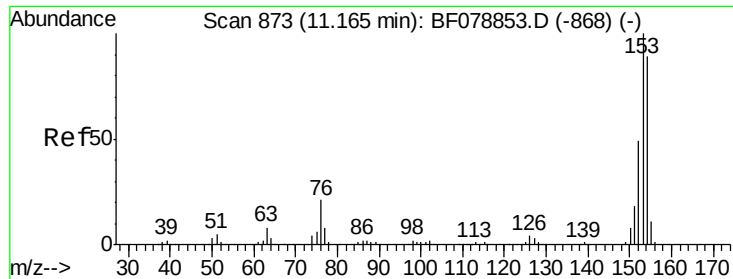
Acq: 23 May 2015 13:39

Tgt Ion:	163	Resp:	23606
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.4	3.6
164	10.7	8.6	12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 8.58 ng

RT: 10.83 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Instrument :

BNA_F

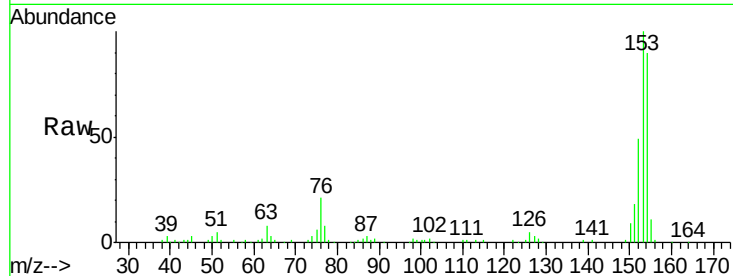
ClientSampleId :

SB-27S

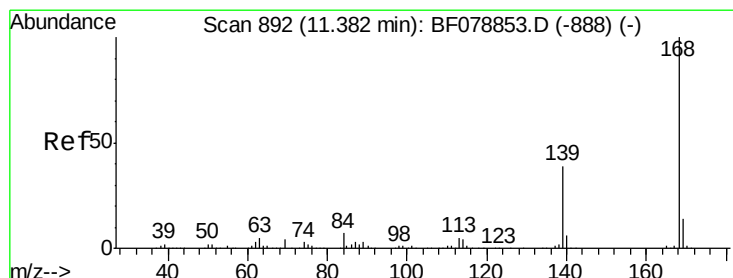
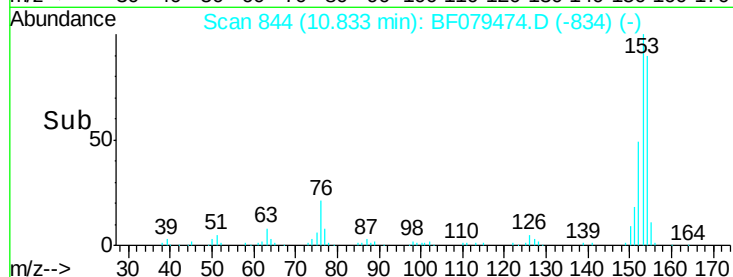
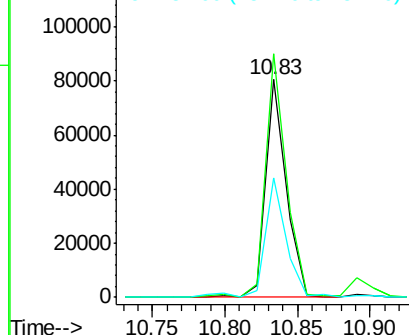
Tot Ion:	154	Resp:	79087
Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.2	135.2
152	54.7	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 6.31 ng

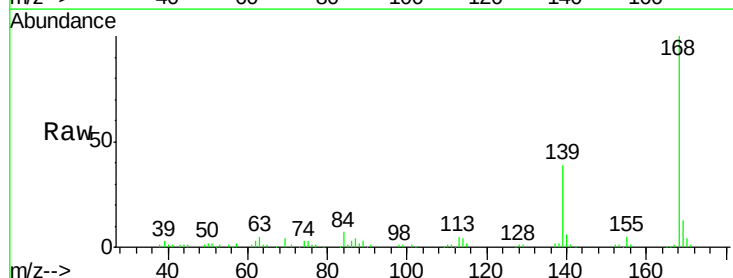
RT: 11.05 min Scan# 863

Delta R.T. -0.00 min

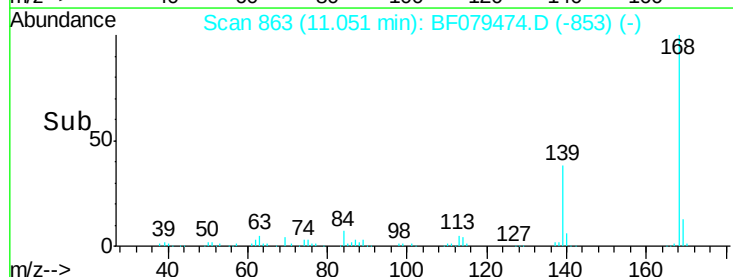
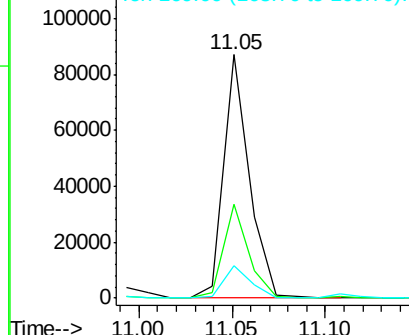
Lab File: BF079474.D

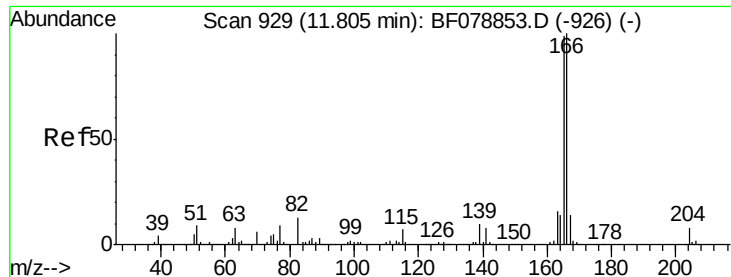
Acq: 23 May 2015 13:39

Tgt Ion:	168	Resp:	84102
Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.5	47.3
169	13.2	11.0	16.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 7.67 ng

RT: 11.47 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Instrument :

BNA_F

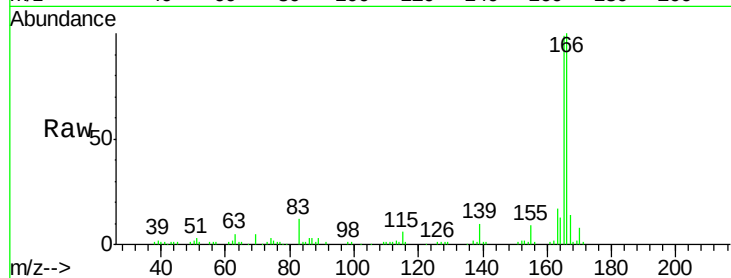
ClientSampled :

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Tot Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.5	119.3
167	14.1	11.0	16.6

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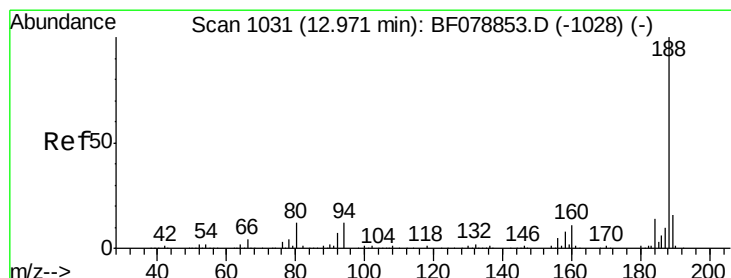
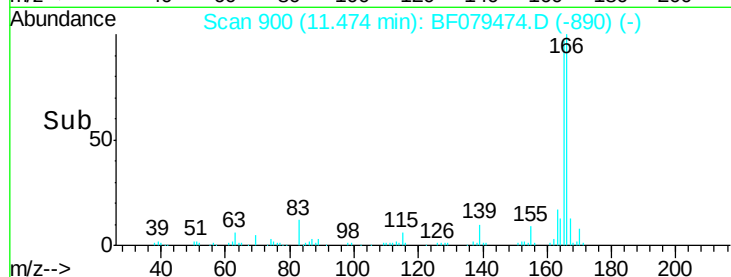
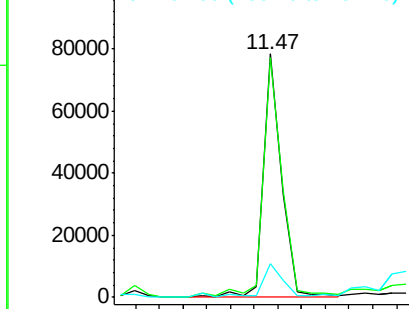
apatel
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Abundance Ion 166.00 (165.70 to 166.70): E

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: 12.64 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF079474.D

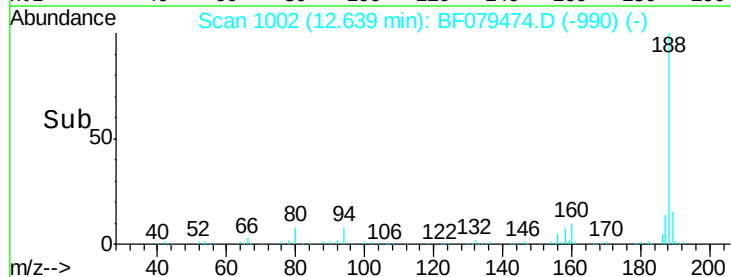
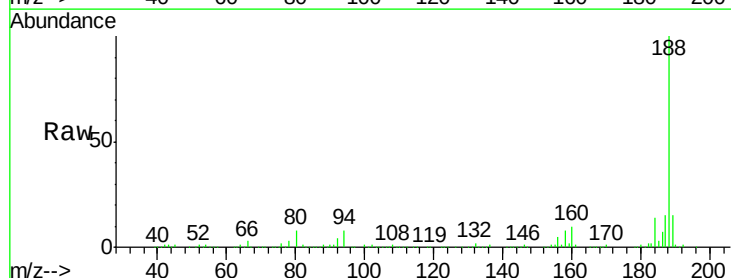
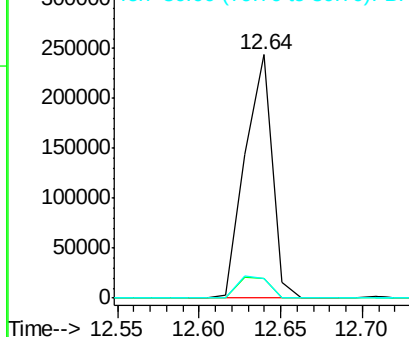
Acq: 23 May 2015 13:39

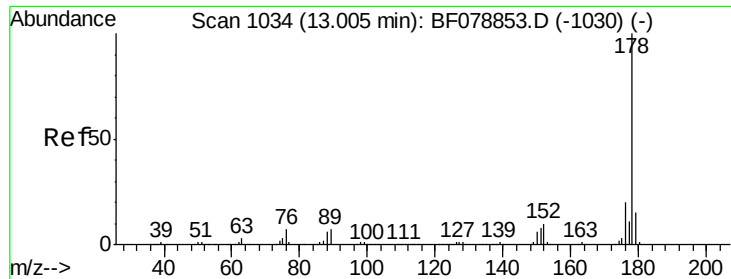
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.4	14.0#
80	8.0	9.8	14.6#

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





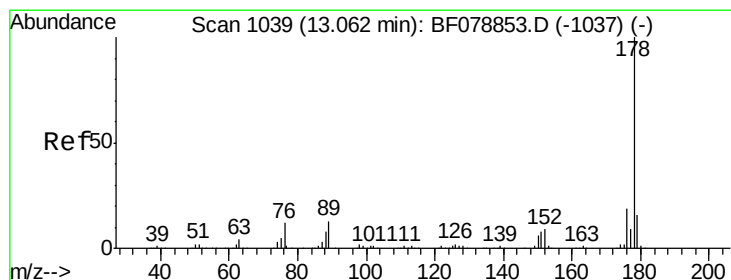
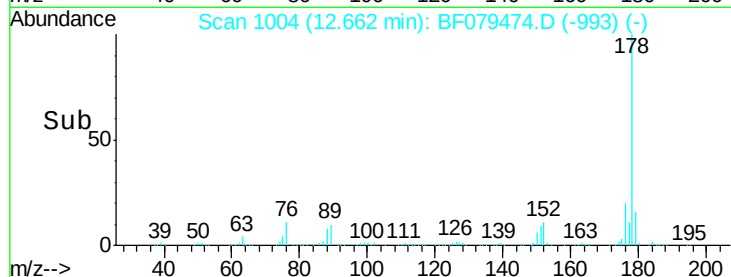
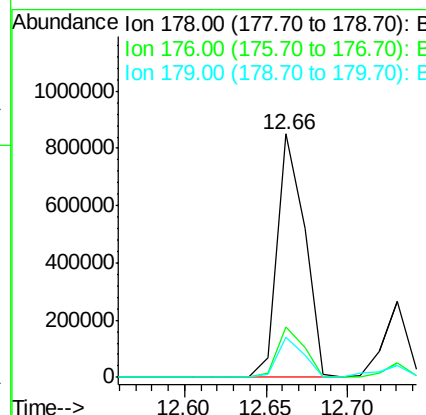
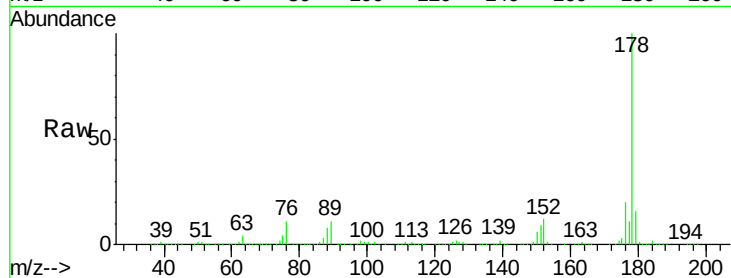
#70
Phenanthrene
Concen: 63.73 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079474.D
Acq: 23 May 2015 13:39

Instrument :
BNA_F
ClientSampled :
SB-27S

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.9	23.9
179	16.3	12.2	18.4

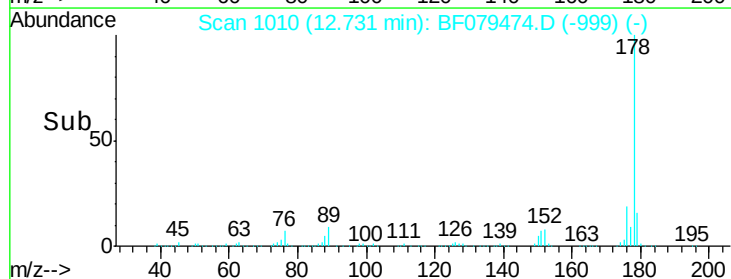
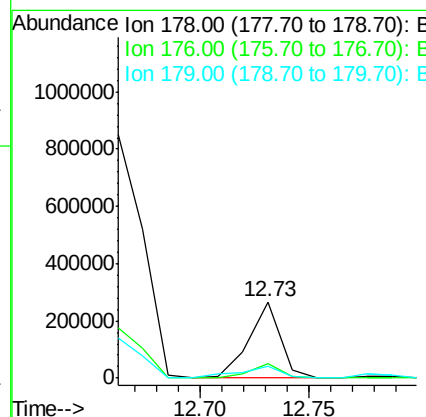
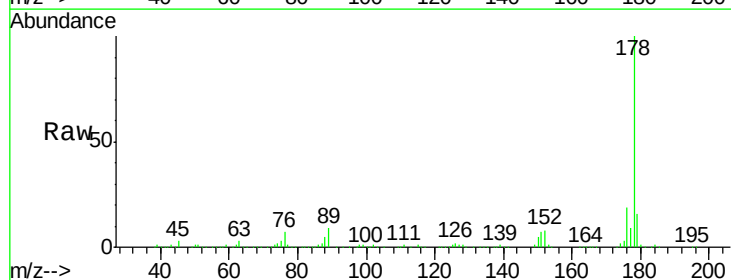
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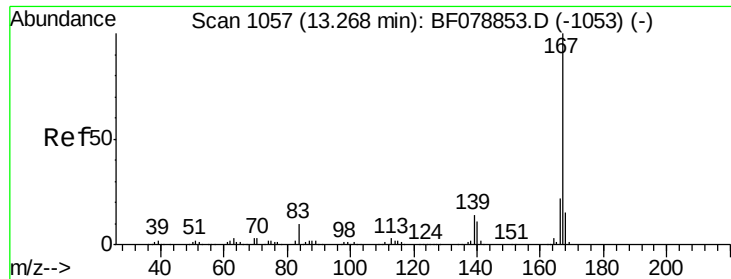
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#71
Anthracene
Concen: 17.12 ng
RT: 12.73 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF079474.D
Acq: 23 May 2015 13:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.7	12.6	19.0





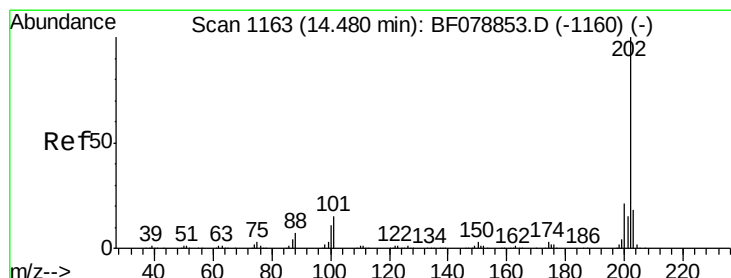
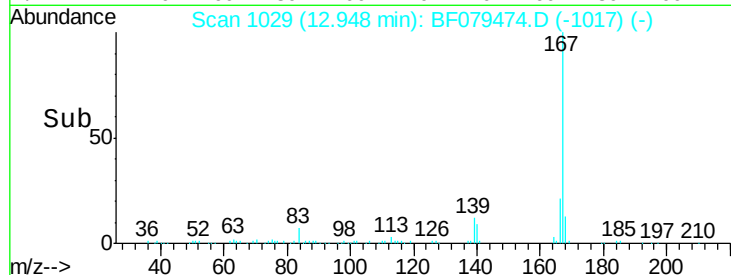
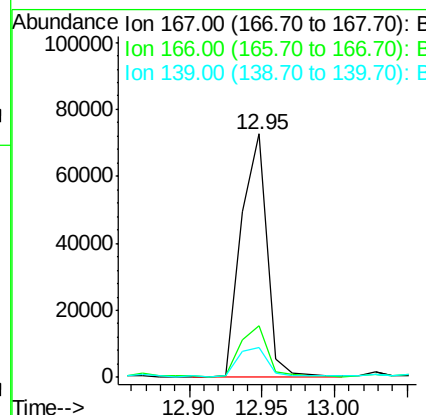
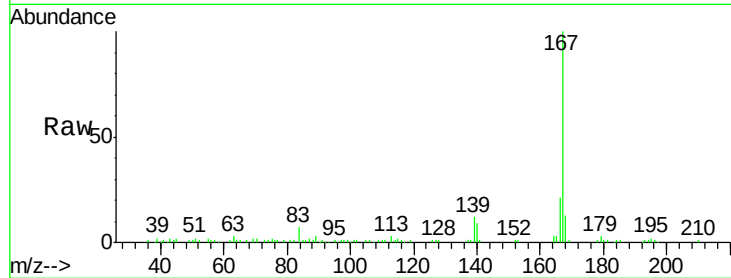
#72
 Carbazole
 Concen: 6.17 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.01 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Instrument :
 BNA_F
 ClientSampleID :
 SB-27S

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	12.3	11.0	16.4

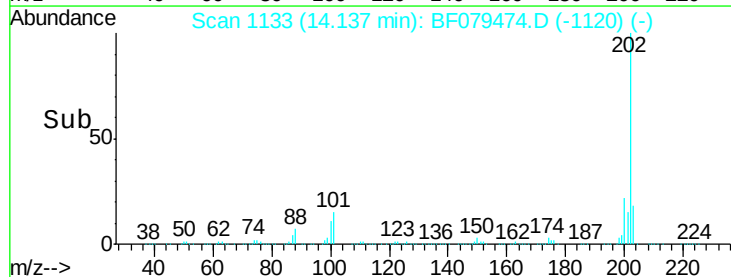
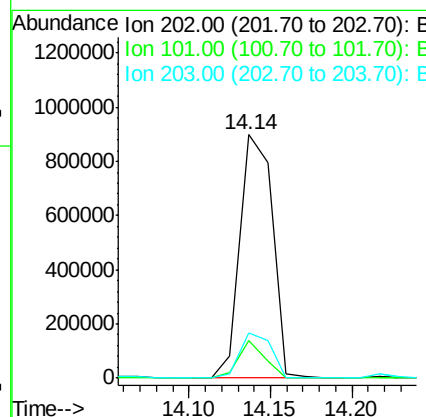
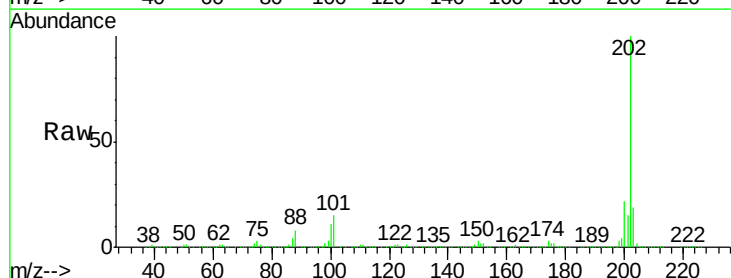
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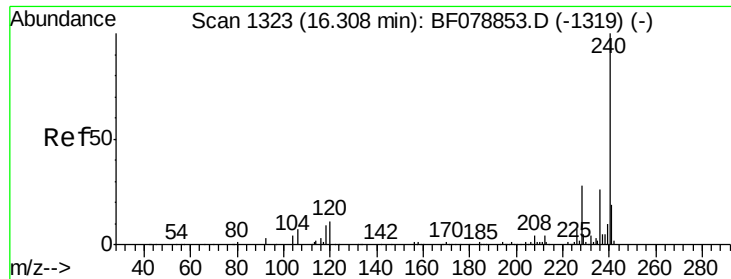
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#74
 Fluoranthene
 Concen: 75.79 ng
 RT: 14.14 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	34.7
203	18.6	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.93 min Scan# 1290

Delta R.T. 0.02 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Instrument :

BNA_F

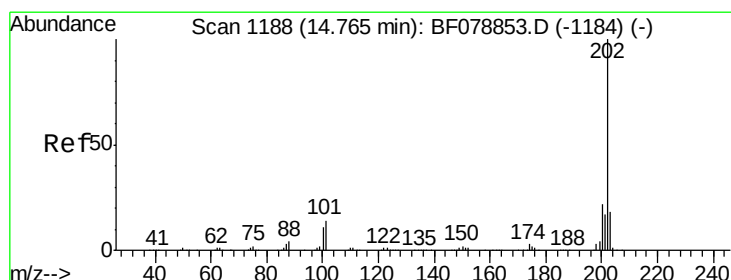
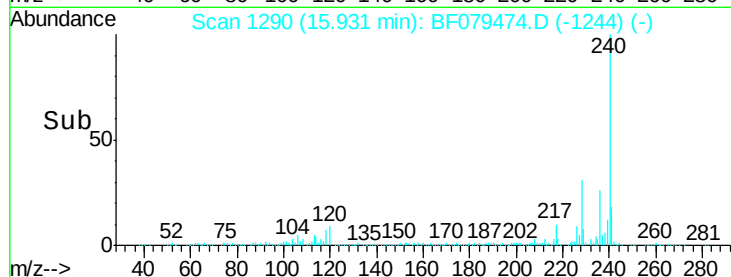
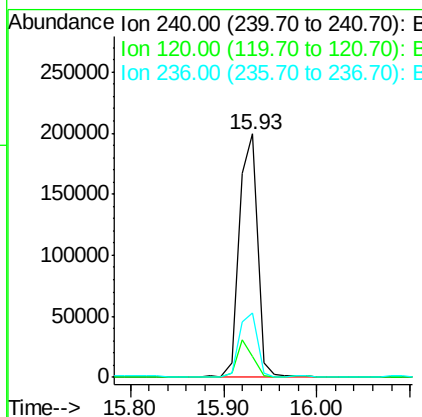
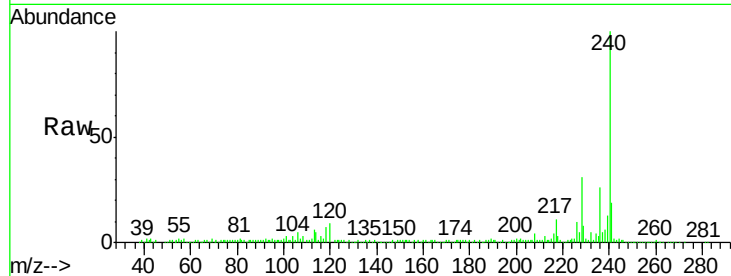
ClientSampled :

SB-27S

Tot Ion:	240	Resp:	269851
Ion Ratio	Lower	Upper	
240	100		
120	8.7	8.6	12.8
236	26.4	21.0	31.6

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#77

Pyrene

Concen: 74.65 ng

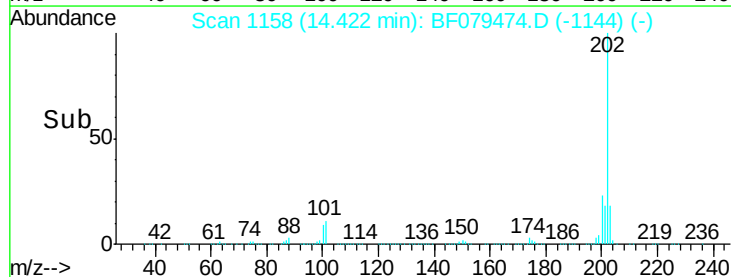
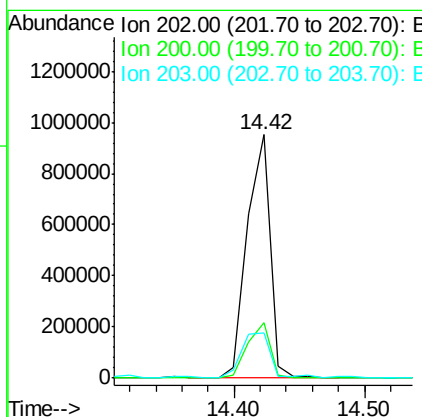
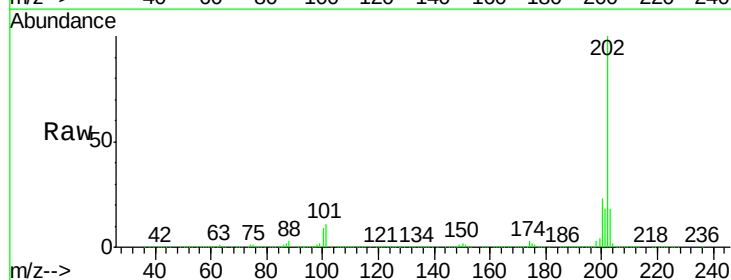
RT: 14.42 min Scan# 1158

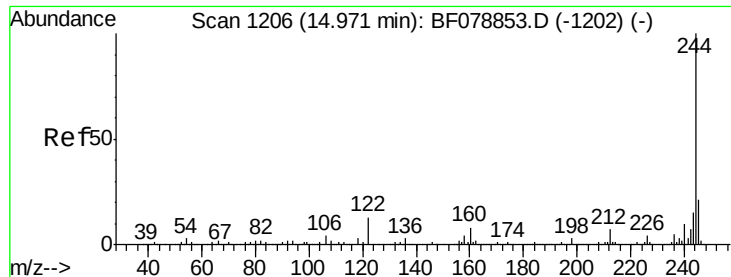
Delta R.T. 0.01 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Tgt Ion:	202	Resp:	1160754
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.5	26.3
203	18.4	14.7	22.1





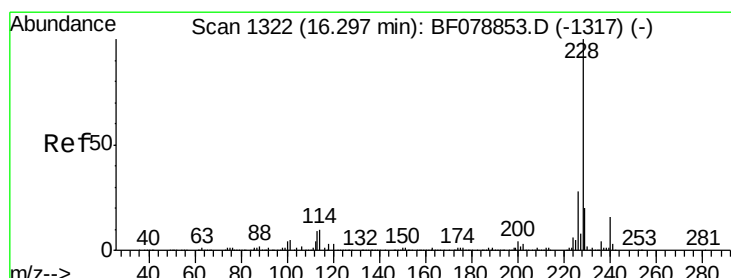
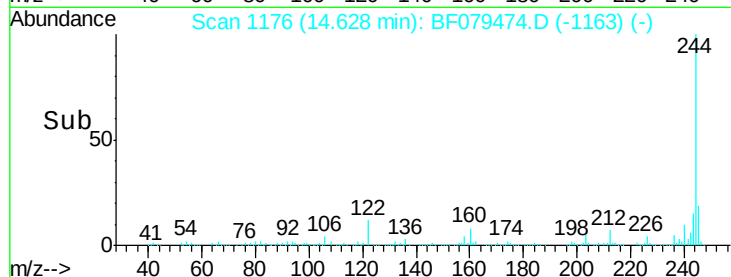
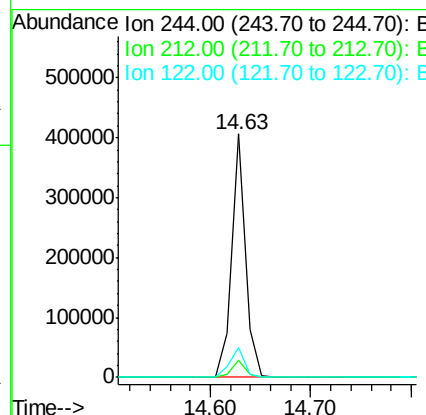
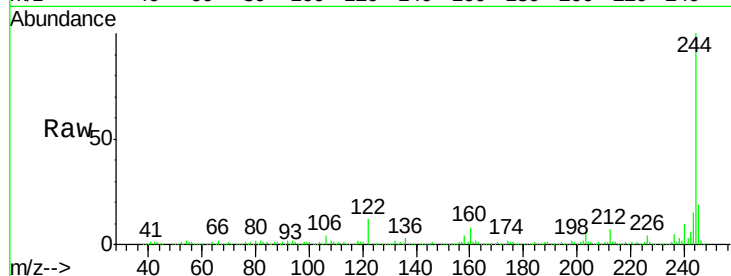
#78
 Terphenyl-d14
 Concen: 34.40 ng
 RT: 14.63 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Instrument :
 BNA_F
 ClientSampled :
 SB-27S

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.8	5.6	8.4	
122	12.4	10.5	15.7	

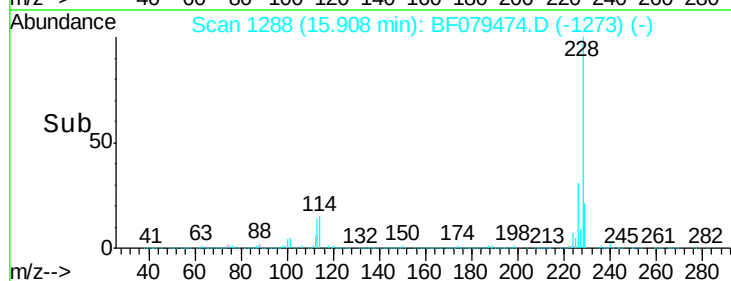
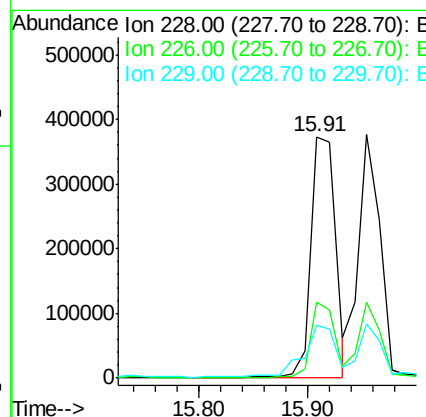
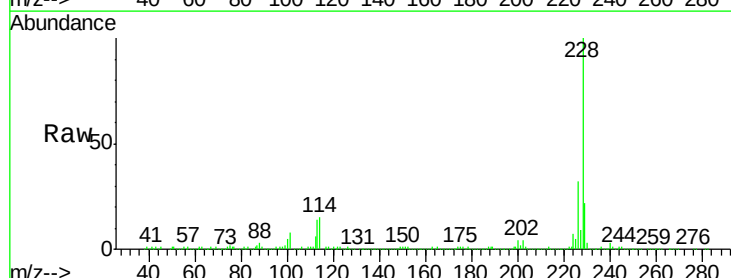
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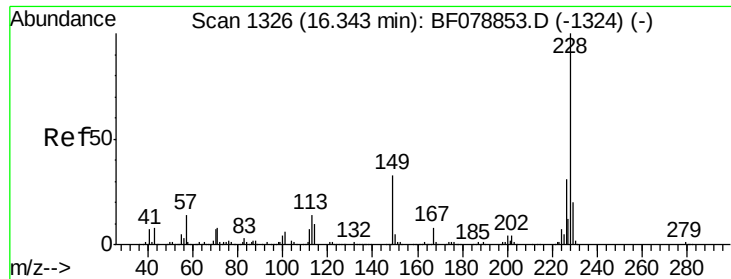
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#80
 Benzo(a)anthracene
 Concen: 39.64 ng
 RT: 15.91 min Scan# 1288
 Delta R.T. 0.01 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.6	22.3	33.5	
229	21.7	16.1	24.1	





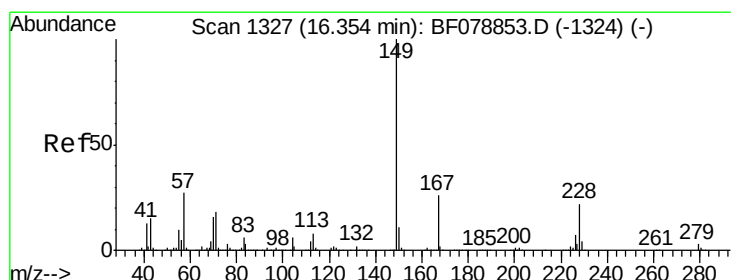
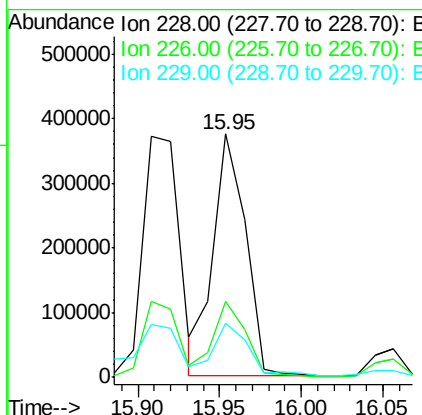
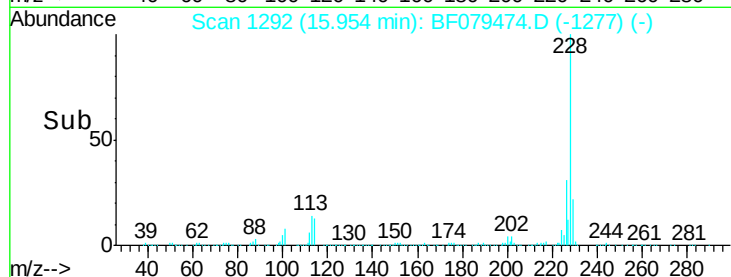
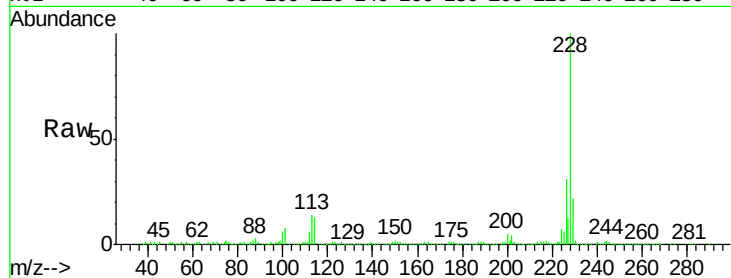
#82
 Chrysene
 Concen: 36.15 ng
 RT: 15.95 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Instrument :
 BNA_F
 ClientSampled :
 SB-27S

Tot Ion	Ratio	Resp	Lower	Upper
228	100	513813		
226	31.1		24.8	37.2
229	22.5		16.1	24.1

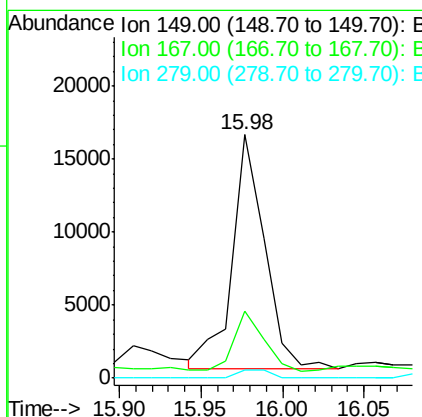
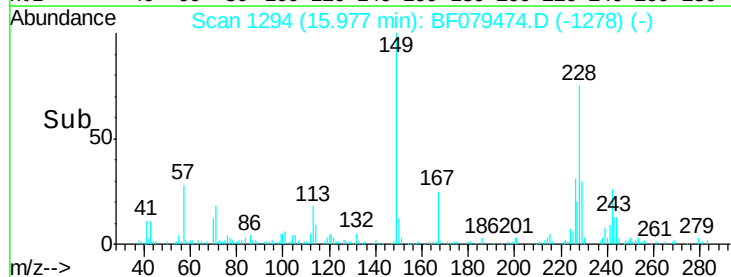
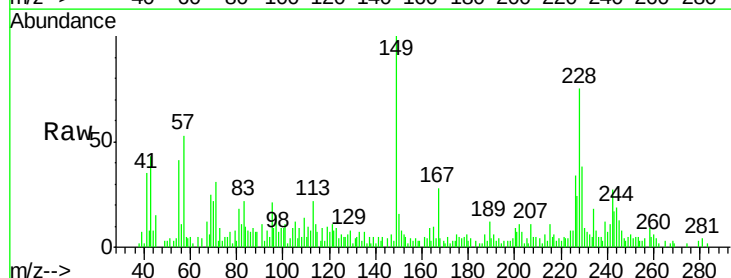
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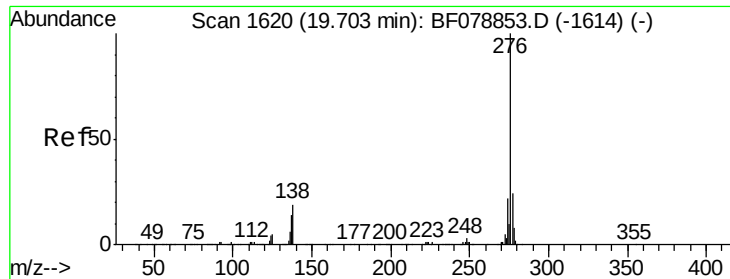
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.13 ng
 RT: 15.98 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	21930		
167	27.5		21.2	31.8
279	3.3		2.6	4.0





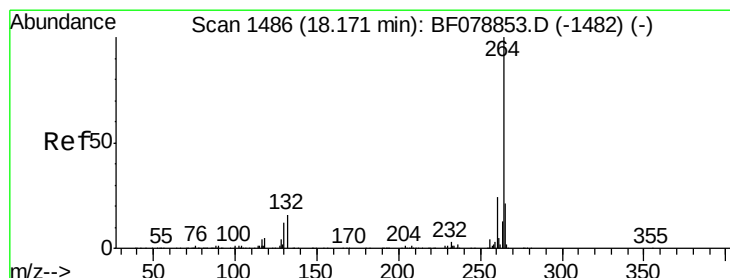
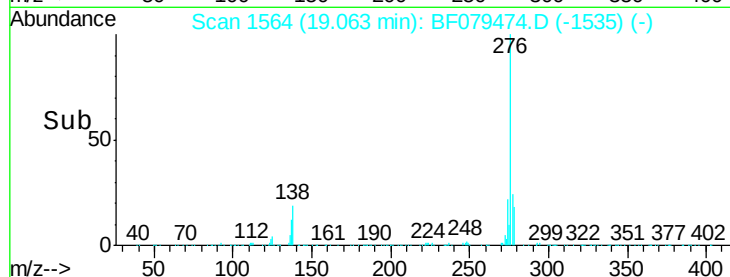
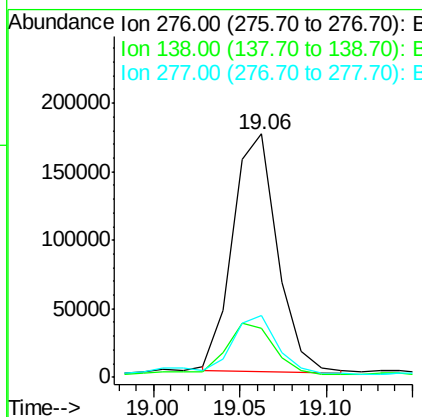
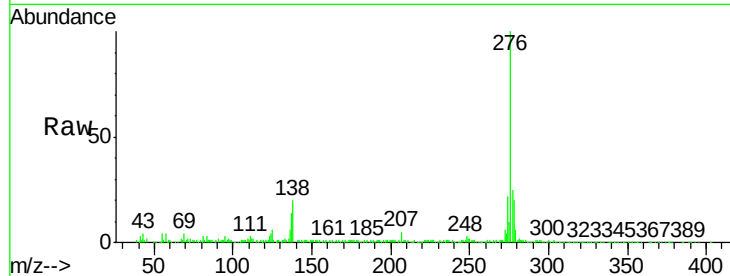
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.26 ng/mL
 RT: 19.06 min Scan# 1564
 Delta R.T. 0.13 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-27S

Tot Ion:	276	Resp:	312514
Ion Ratio	Lower	Upper	
276	100		
138	4.8	21.1	31.7#
277	4.8	19.9	29.9#

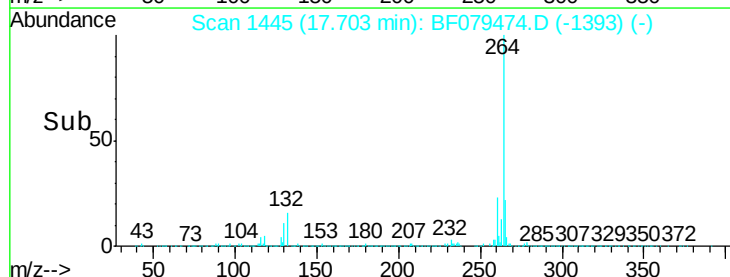
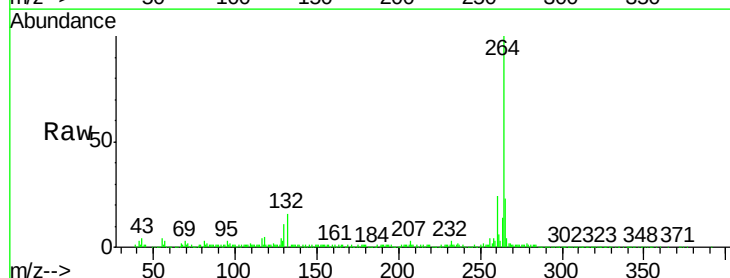
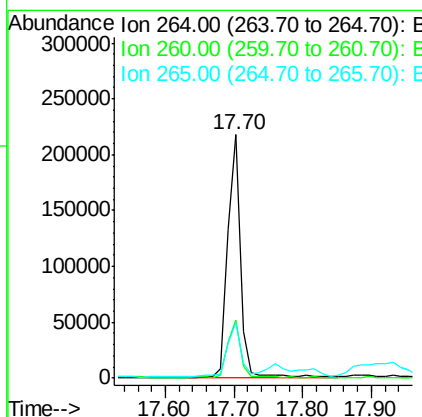
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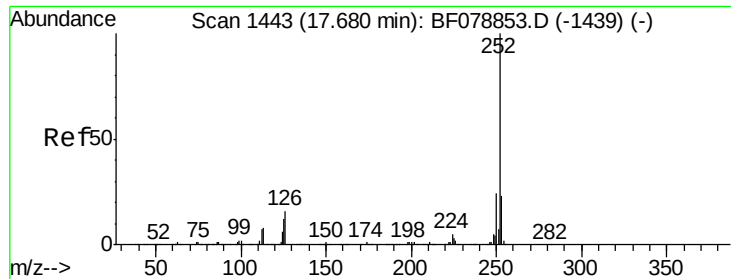
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.70 min Scan# 1445
 Delta R.T. 0.09 min
 Lab File: BF079474.D
 Acq: 23 May 2015 13:39

Tgt Ion:	264	Resp:	289311
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 38.74 ng m

RT: 17.25 min Scan# 1405

Delta R.T. 0.07 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Instrument :

BNA_F

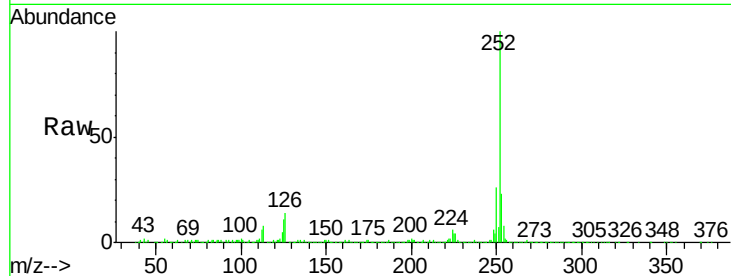
ClientSampleId :

SB-27S

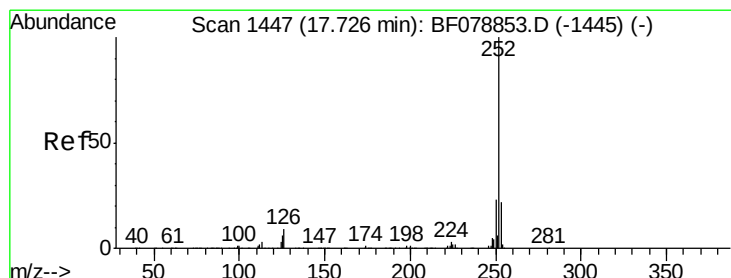
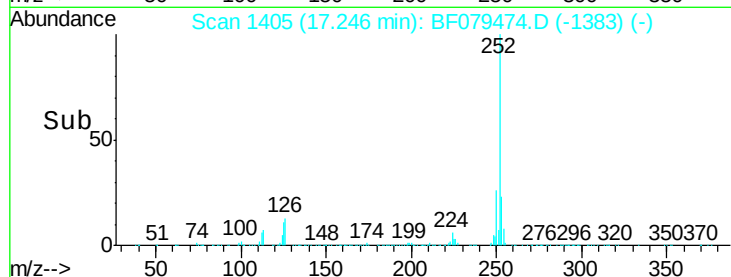
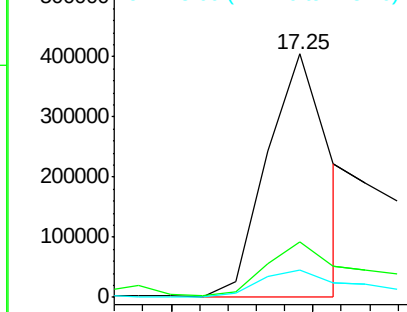
Tot Ion:	252	Resp:	613406
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	11.5	9.4	14.2

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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: 16.89 ng m

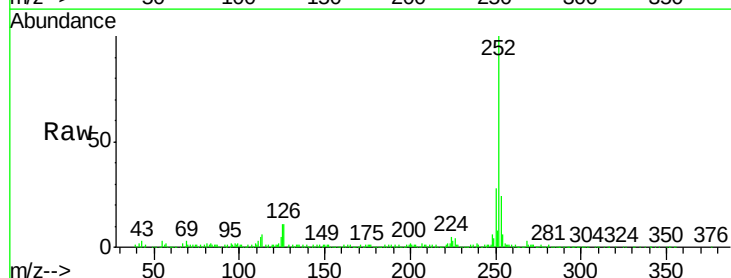
RT: 17.26 min Scan# 1406

Delta R.T. 0.06 min

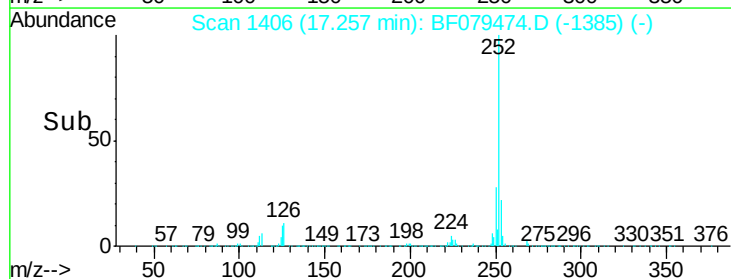
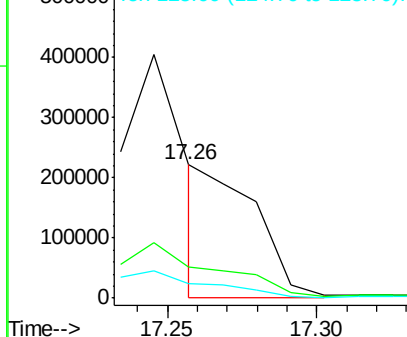
Lab File: BF079474.D

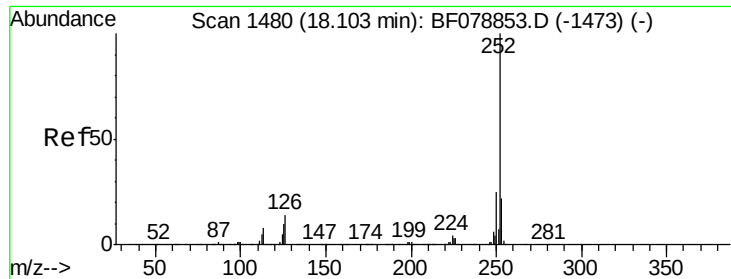
Acq: 23 May 2015 13:39

Tgt Ion:	252	Resp:	258966
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.0
125	10.9	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





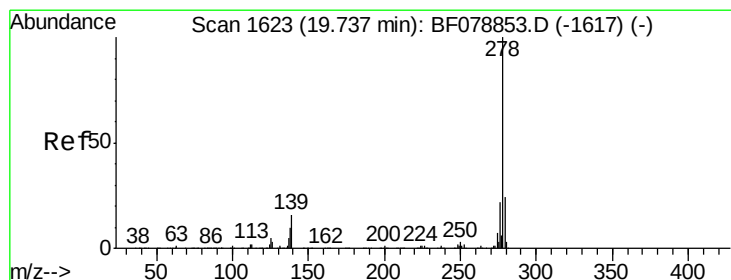
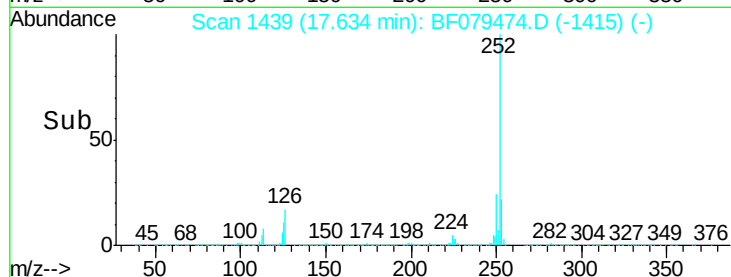
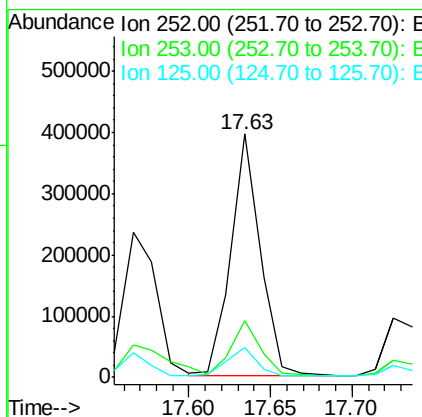
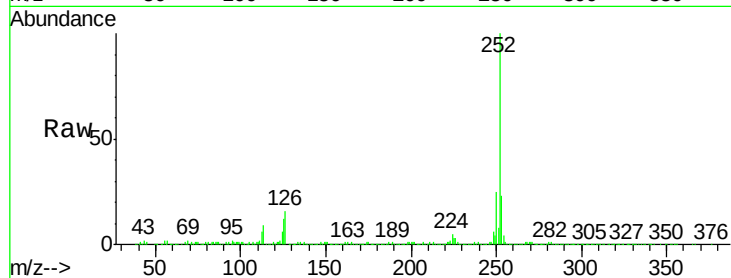
#89
Benzo(a)pyrene
Concen: 33.71 ng
RT: 17.63 min Scan# 1439
Delta R.T. 0.09 min
Lab File: BF079474.D
Acq: 23 May 2015 13:39

Instrument :
BNA_F
ClientSampled :
SB-27S

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.1	8.2	12.2

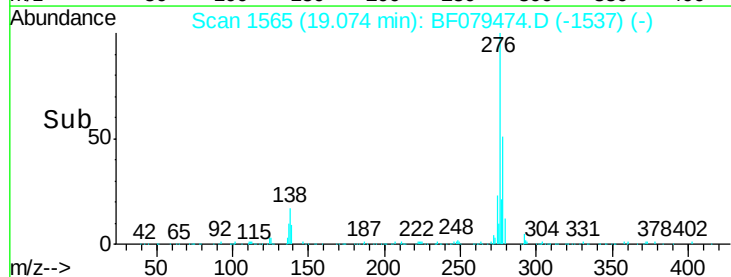
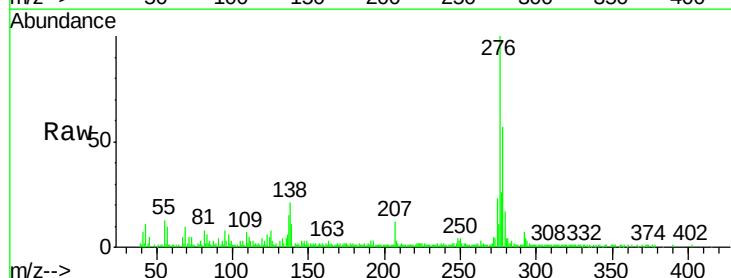
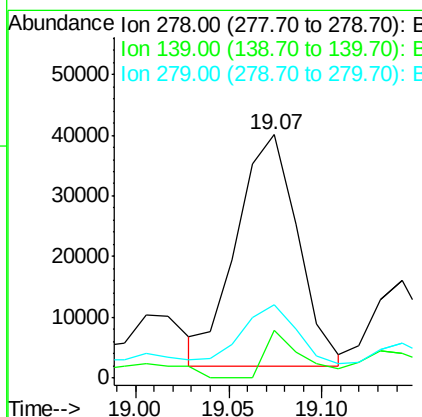
Manual Integrations
APPROVED

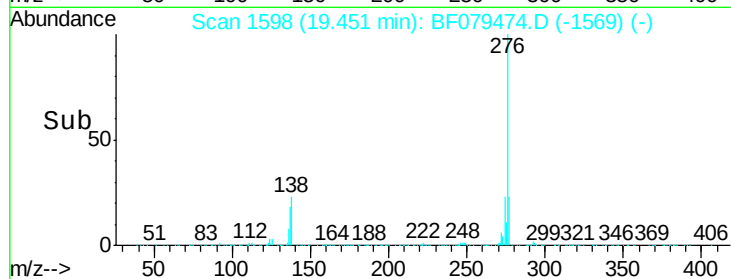
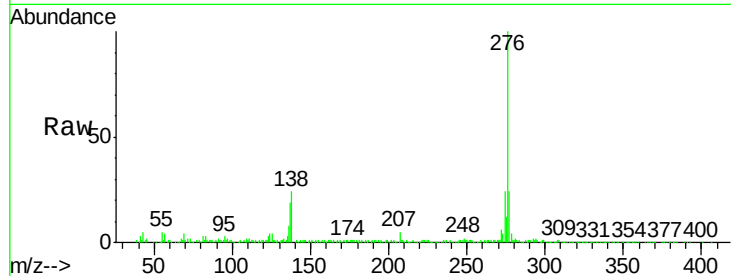
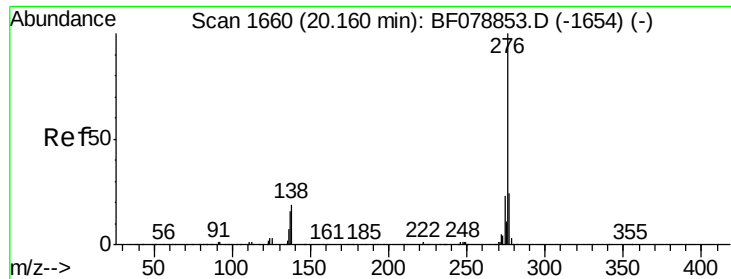
apatel
5/27/2015 8:18:54 AM



#90
Dibenzo(a,h)anthracene
Concen: 5.63 ng
RT: 19.07 min Scan# 1565
Delta R.T. 0.11 min
Lab File: BF079474.D
Acq: 23 May 2015 13:39

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.8	13.1	19.7#
279	29.9	19.1	28.7#





#91

Benzo(a,h,i)perylene

Concen: 20.60 ng

RT: 19.45 min Scan# 1598

Delta R.T. 0.13 min

Lab File: BF079474.D

Acq: 23 May 2015 13:39

Instrument :

BNA_F

ClientSampleId :

SB-27S

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	23.6	15.2	22.8

Manual Integrations
APPROVED

apatel
5/27/2015 8:18:54 AM

