

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
 Data File : BF079306.D
 Acq On : 16 May 2015 11:03
 Operator : TP/IZ
 Sample : G2249-03 2X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SR-3

Manual Integrations
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Quant Time: May 18 01:51:01 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 00:56:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	72272	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	299426	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	141937	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	263388	20.00	ng	0.00
75) Chrysene-d12	16.07	240	277836	20.00	ng	0.01
86) Perylene-d12	17.86	264	286363	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	171901m	40.94	ng	0.01
7) Phenol-d6	6.74	99	218658	39.40	ng	0.00
23) Nitrobenzene-d5	7.87	82	127766	24.52	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	60956	39.70	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	265352	26.05	ng	0.00
78) Terphenyl-d14	14.77	244	280487	24.17	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.78	128	31884	2.23	ng	99
48) Acenaphthylene	10.75	152	71948	4.98	ng	98
49) Dimethylphthalate	10.61	163	45020	4.32	ng	99
54) Dibenzofuran	11.19	168	45429	3.65	ng	95
57) Fluorene	11.61	166	47047	4.60	ng	99
70) Phenanthrene	12.80	178	806512	54.73	ng	98
71) Anthracene	12.86	178	93224	6.45	ng	99
72) Carbazole	13.07	167	63064	4.58	ng	98
74) Fluoranthene	14.27	202	921878	60.04	ng	99
77) Pyrene	14.56	202	761831	47.58	ng	99
80) Benzo(a)anthracene	16.06	228	293218	19.27	ng	96
82) Chrysene	16.10	228	383182	26.19	ng	98
85) Indeno(1,2,3-cd)pyrene	19.27	276	179234	9.61	ng	93
87) Benzo(b)fluoranthene	17.41	252	444258m	28.34	ng	
88) Benzo(k)fluoranthene	17.43	252	163511m	10.78	ng	
89) Benzo(a)pyrene	17.79	252	271132	18.79	ng	98
90) Dibenzo(a,h)anthracene	19.29	278	41109	2.68	ng	# 87
91) Benzo(g,h,i)perylene	19.69	276	159794	10.39	ng	97

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

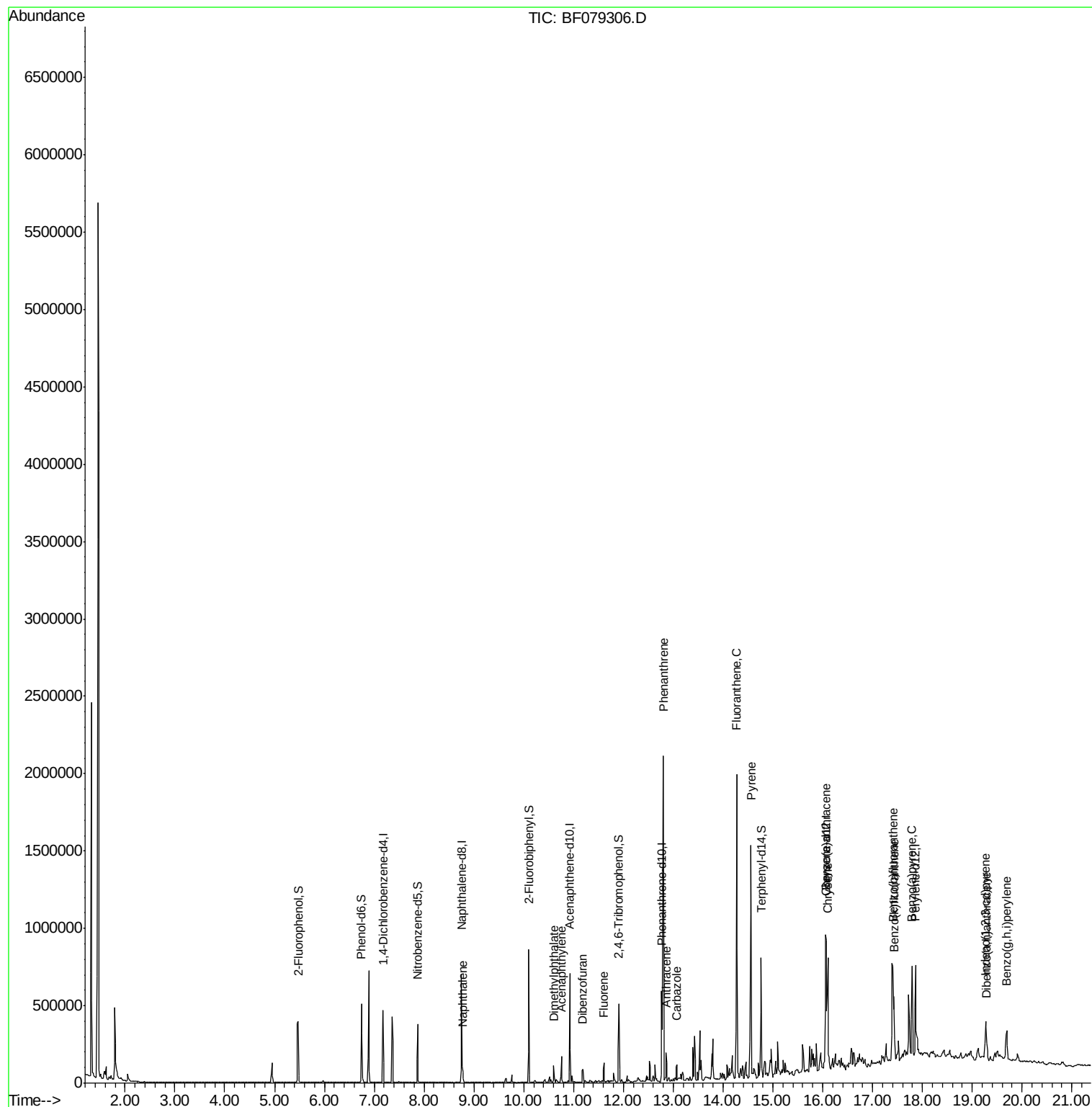
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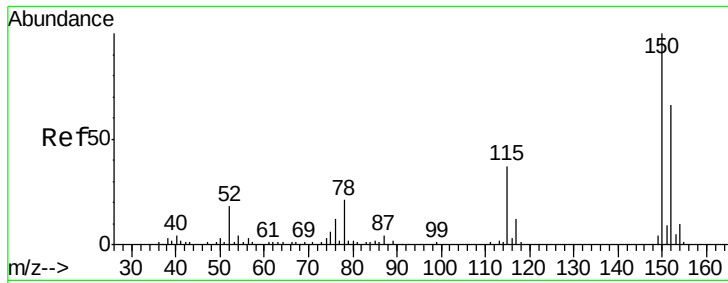
Instrument :
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ClientSampled :
SR-3

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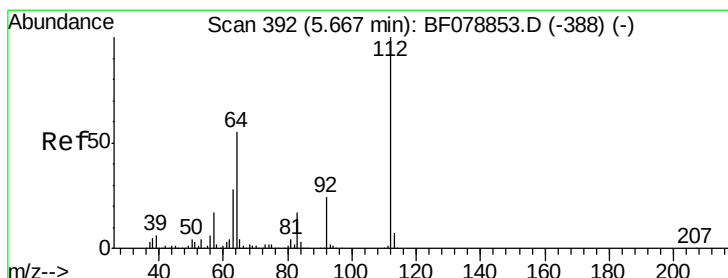
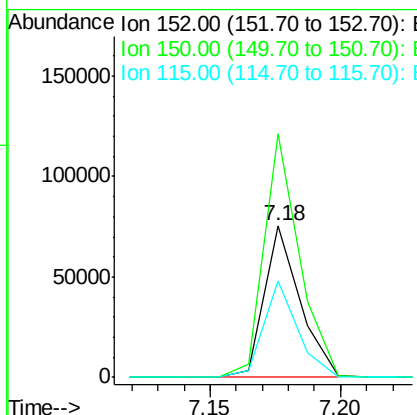
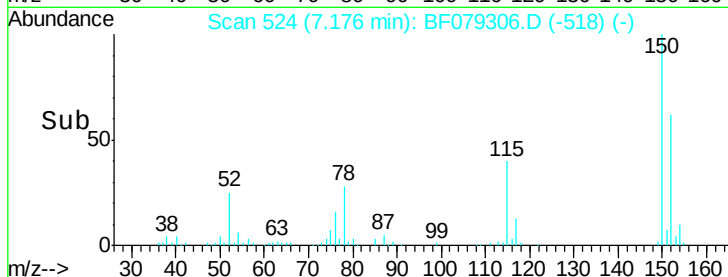
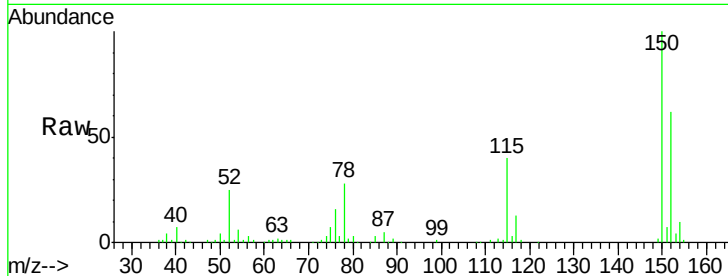
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Instrument :
 BNA_F
 ClientSampleId :
 SR-3

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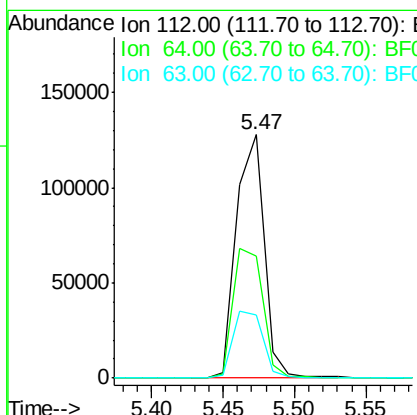
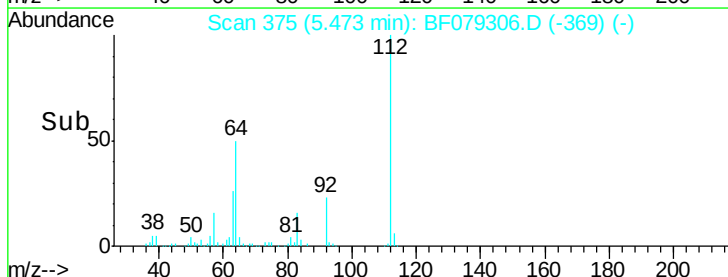
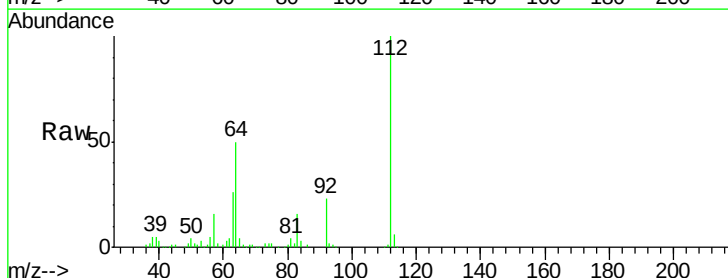
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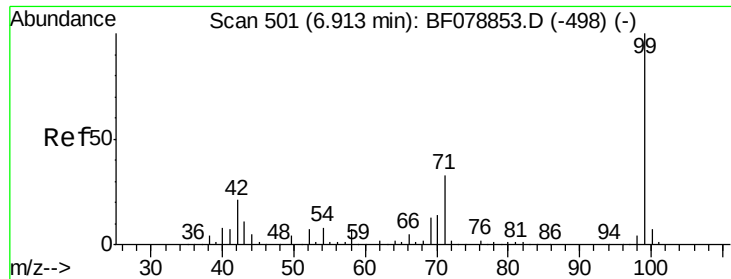
Tot Ion:	152	Resp:	72272
Ion Ratio	Lower	Upper	
152	100		
150	160.7	123.8	185.8
115	64.0	49.4	74.0



#5
 2-Fluorophenol
 Concen: 40.94 ng m
 RT: 5.47 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion:	112	Resp:	171901
Ion Ratio	Lower	Upper	
112	100		
64	50.1	44.2	66.2
63	25.8	22.7	34.1





#7

Phenol-d6

Concen: 39.40 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Instrument :

BNA_F

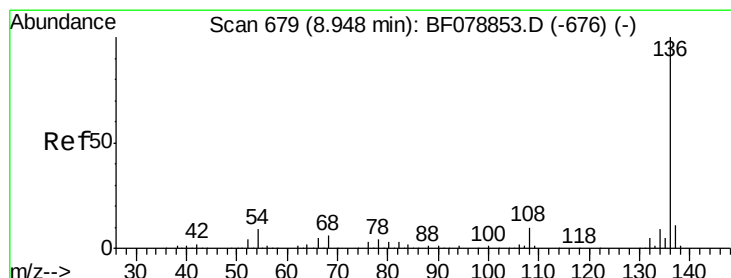
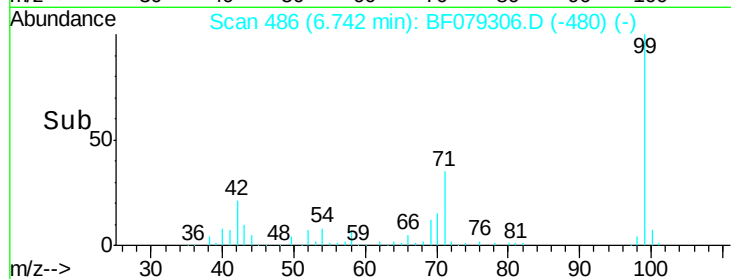
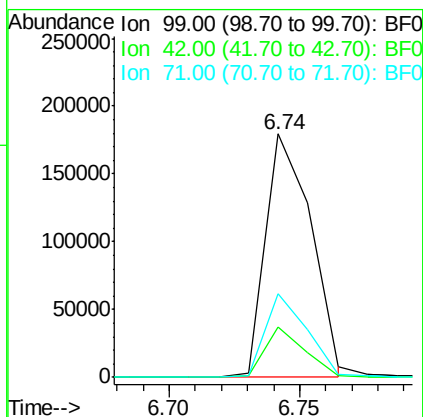
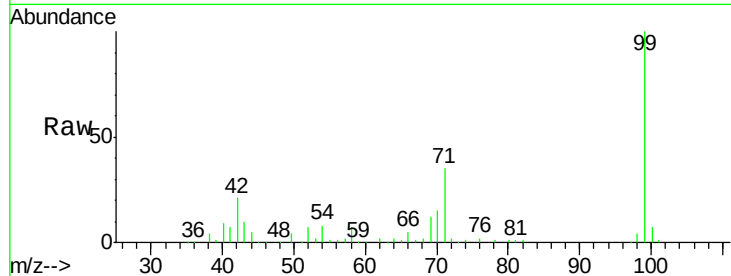
ClientSampleId :

SR-3

Tot Ion:	99	Resp:	218658
Ion Ratio	Lower	Upper	
99	100		
42	20.8	17.1	25.7
71	34.5	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

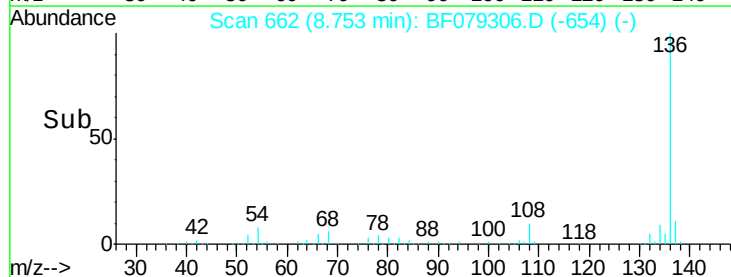
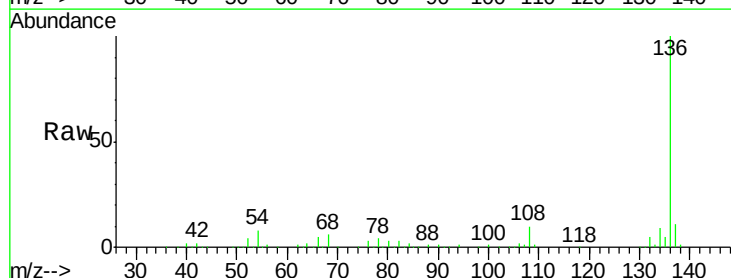
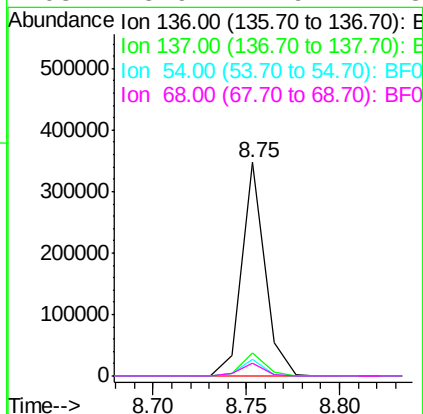
RT: 8.75 min Scan# 662

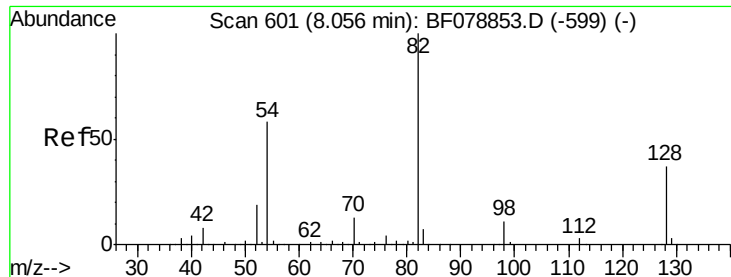
Delta R.T. 0.00 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Tgt Ion:	136	Resp:	299426
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	7.8	6.9	10.3
68	5.9	4.9	7.3





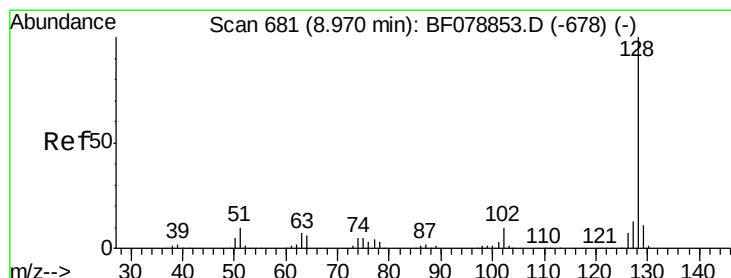
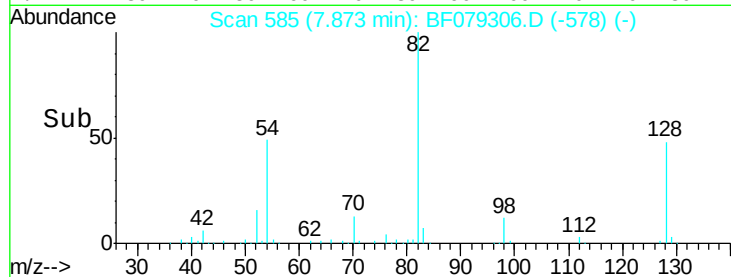
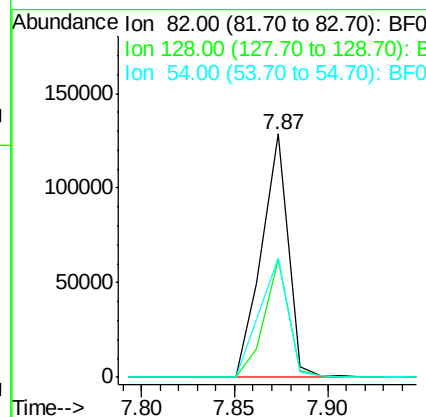
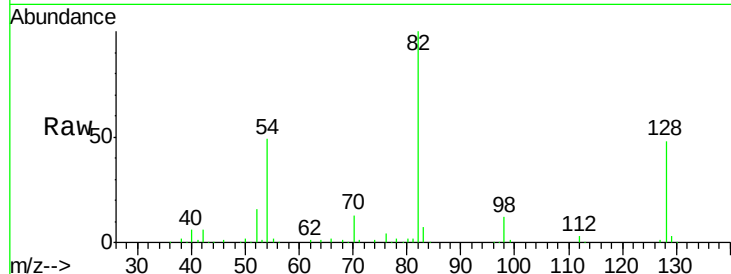
#23
 Nitrobenzene-d5
 Concen: 24.52 ng
 RT: 7.87 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Instrument :
 BNA_F
 ClientSampled :
 SR-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.3	29.7	44.5#	
54	49.0	46.2	69.4	

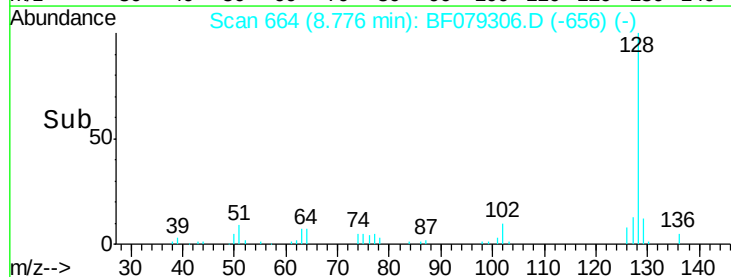
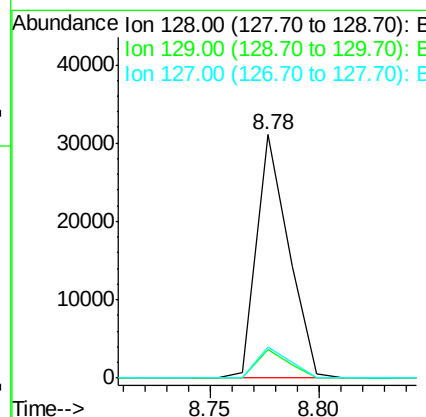
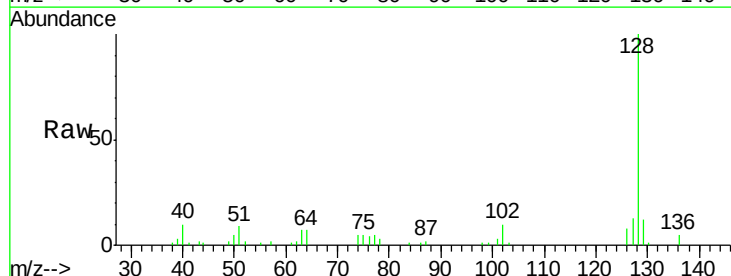
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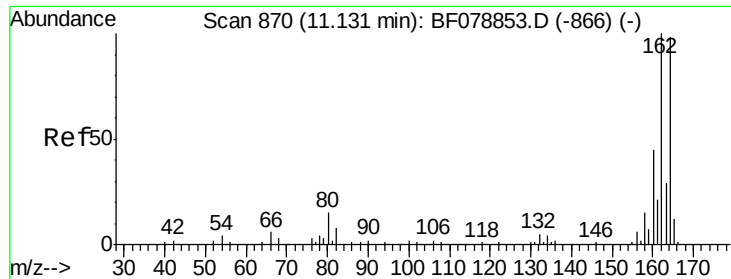
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#31
 Naphthalene
 Concen: 2.23 ng
 RT: 8.78 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.9	9.2	13.8	
127	12.5	10.3	15.5	





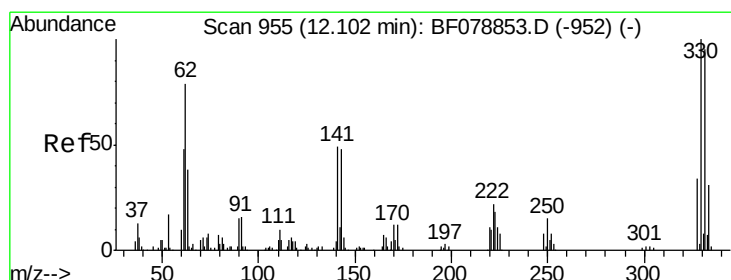
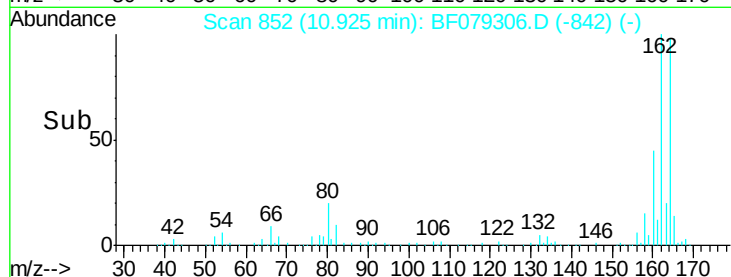
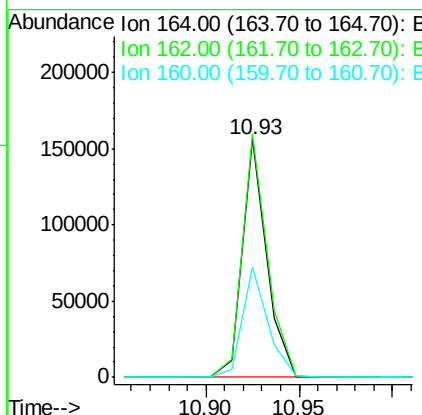
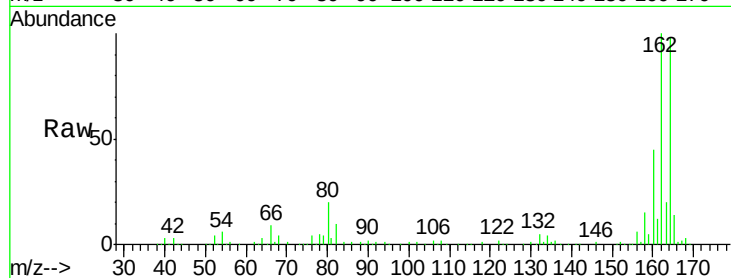
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampleId :
SR-3

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.4	122.0
160	46.3	36.6	54.8

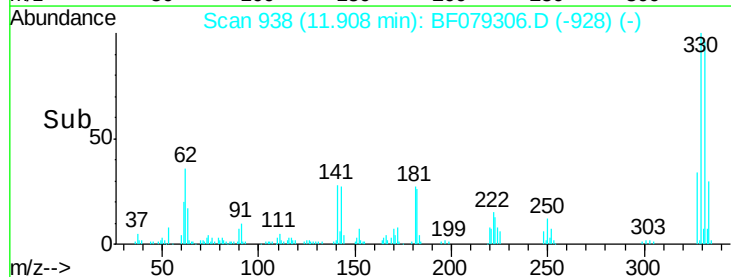
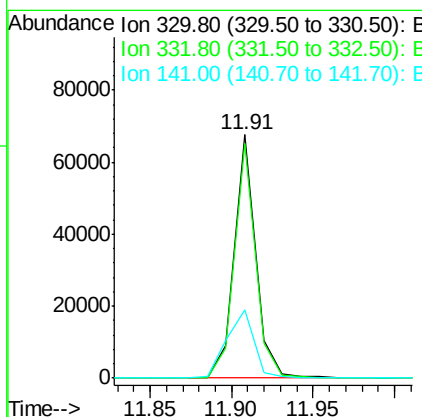
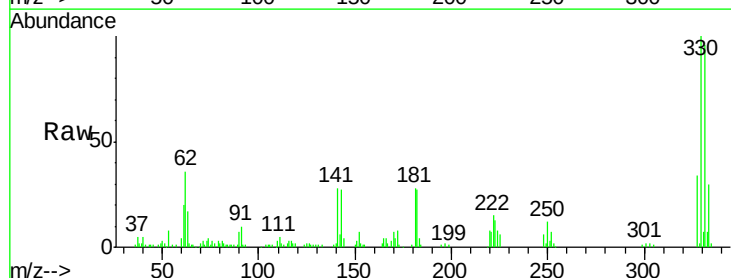
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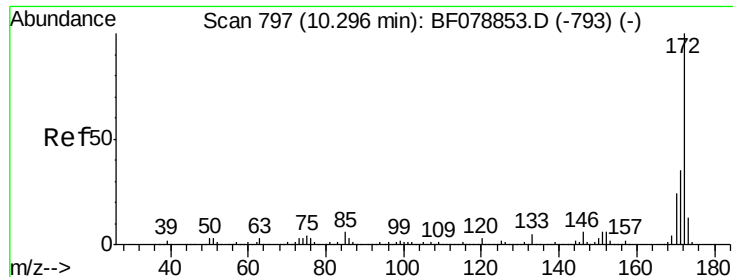
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#41
2,4,6-Tribromophenol
Concen: 39.70 ng
RT: 11.91 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	35.5	27.8	41.8





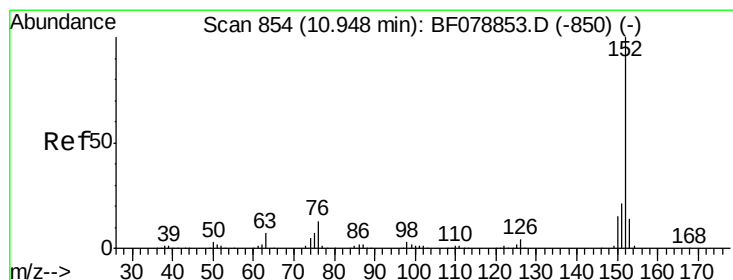
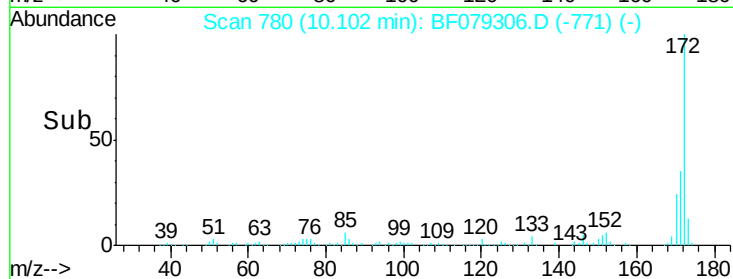
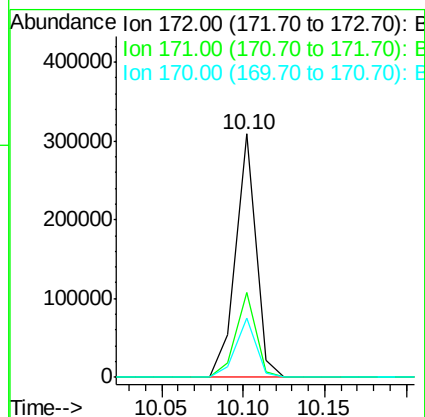
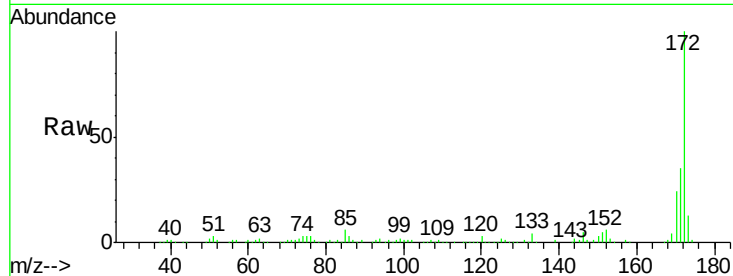
#44
2-Fluorobiphenyl
Concen: 26.05 ng
RT: 10.10 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampleId :
SR-3

Tot Ion	Ratio	Resp	Lower	Upper
172	100	265352		
171	34.8		28.3	42.5
170	24.2		19.4	29.2

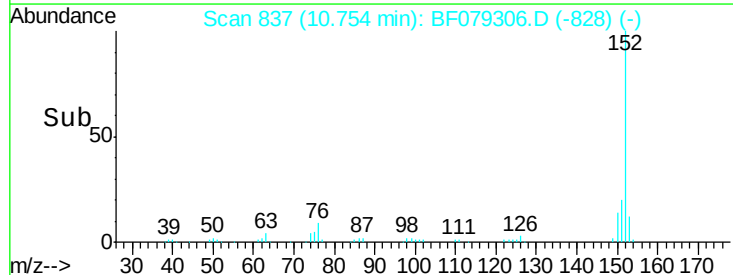
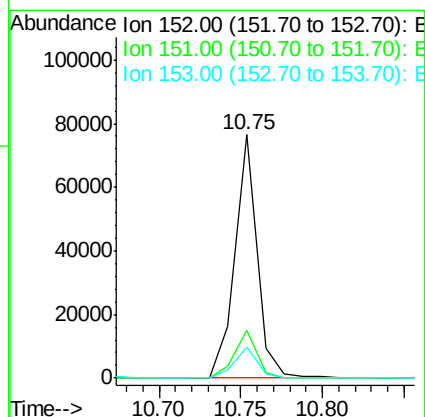
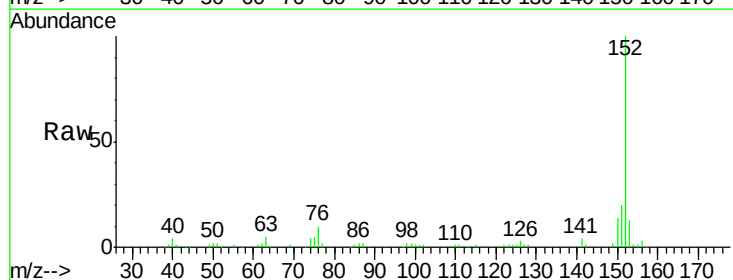
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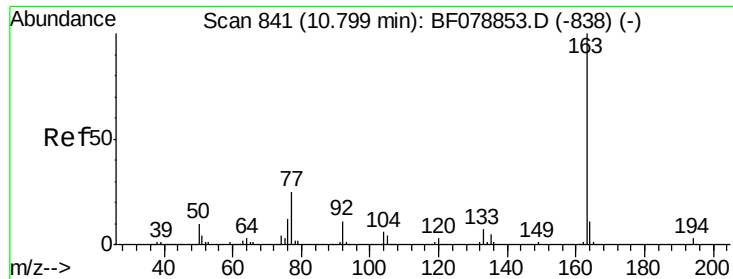
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#48
Acenaphthylene
Concen: 4.98 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	71948		
151	19.7		16.6	24.8
153	13.0		11.0	16.6





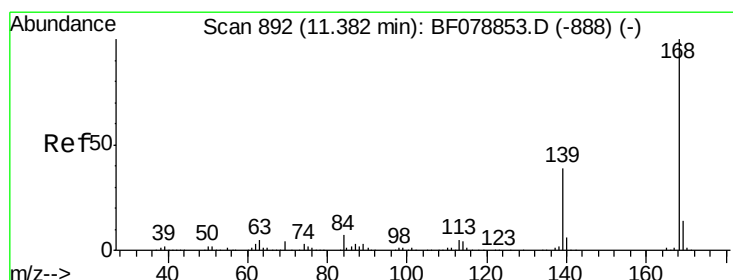
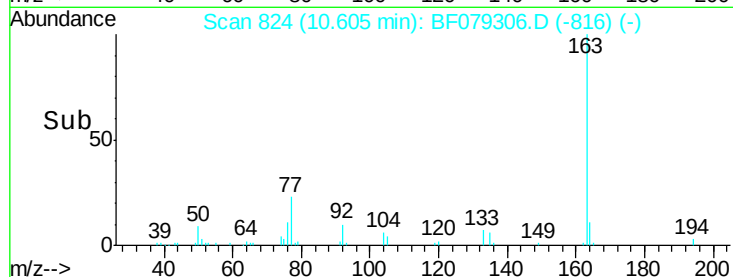
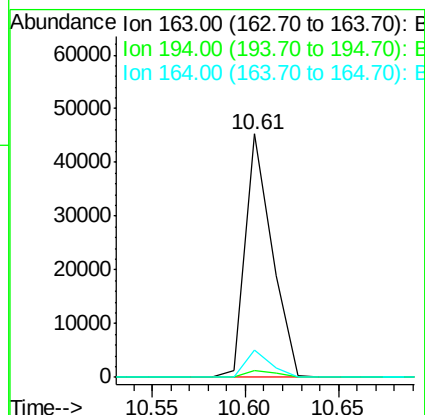
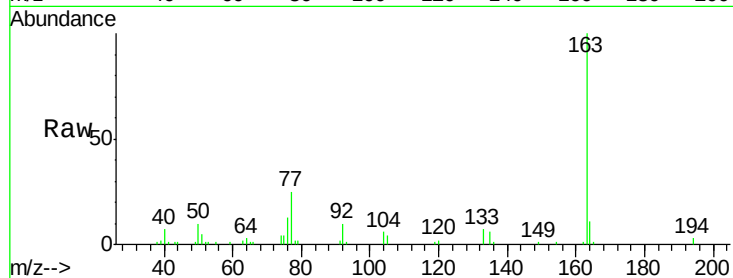
#49
Dimethylphthalate
Concen: 4.32 ng
RT: 10.61 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	45020		
194	3.0		2.4	3.6
164	11.3		8.6	12.8

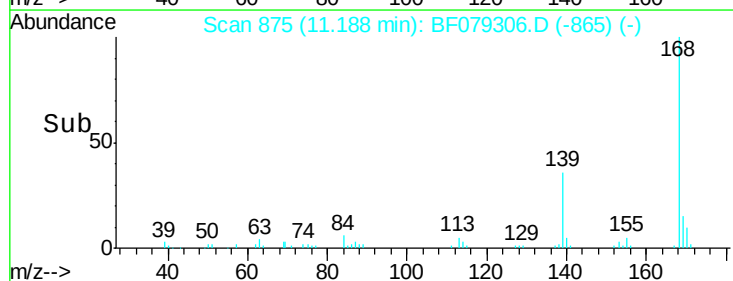
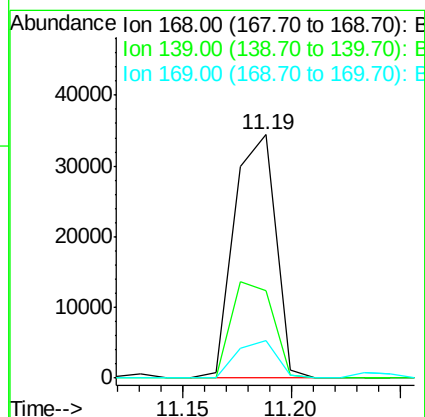
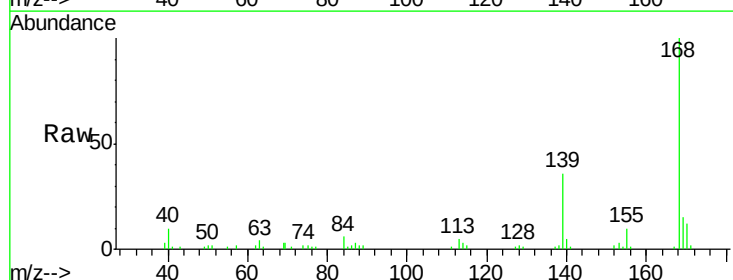
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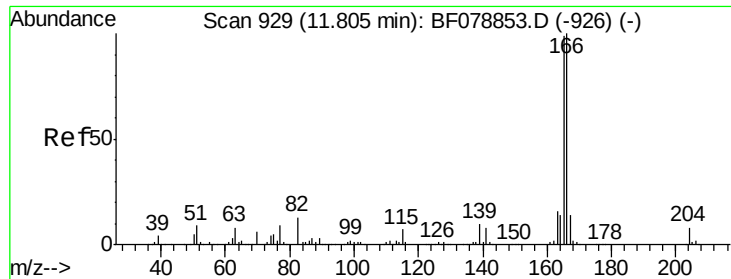
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#54
Dibenzofuran
Concen: 3.65 ng
RT: 11.19 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	45429		
139	35.9		31.5	47.3
169	15.4		11.0	16.4





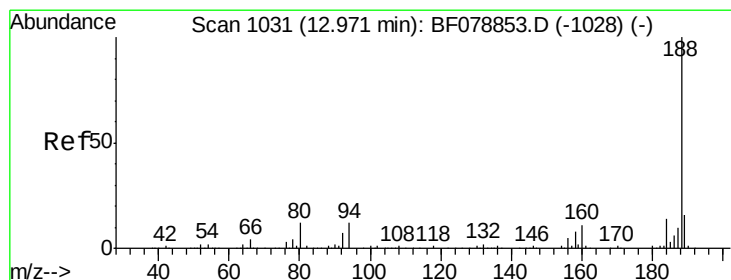
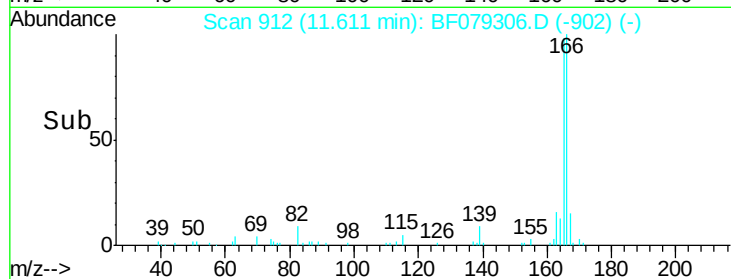
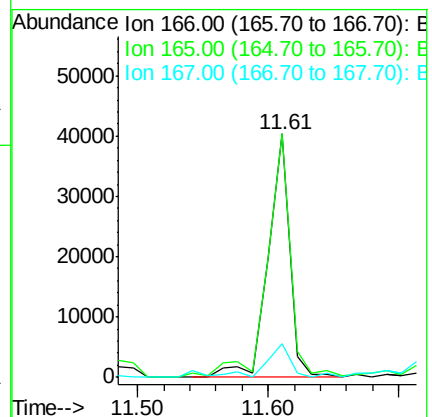
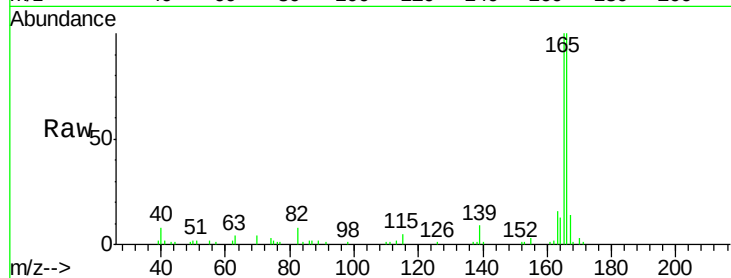
#57
 Fluorene
 Concen: 4.60 ng
 RT: 11.61 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Instrument :
 BNA_F
 ClientSampled :
 SR-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.5	119.3
167	14.0	11.0	16.6

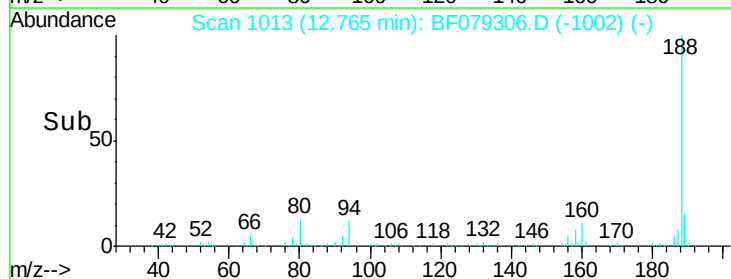
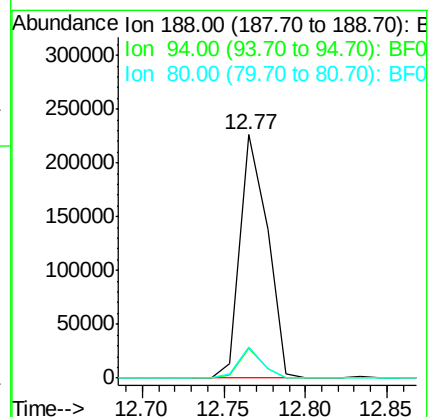
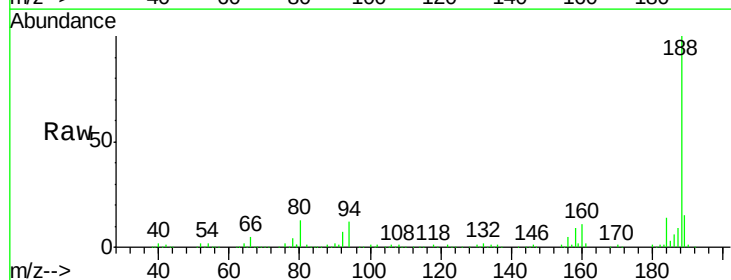
Manual Integrations
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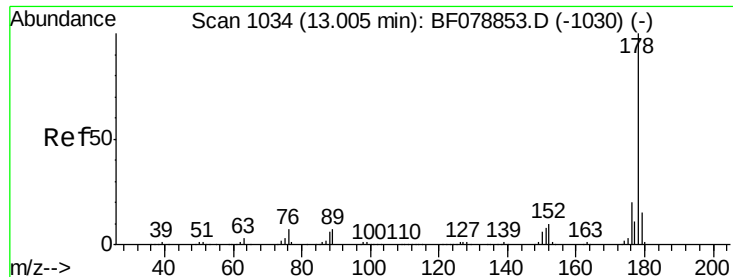
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.77 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.0
80	12.9	9.8	14.6





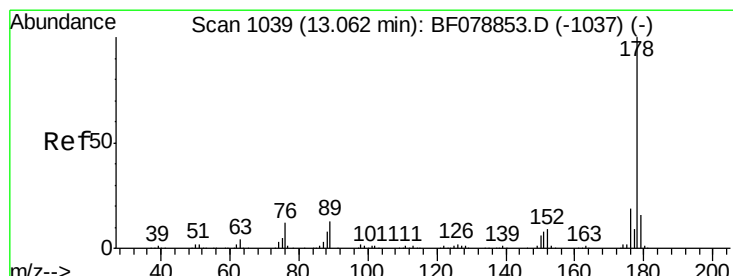
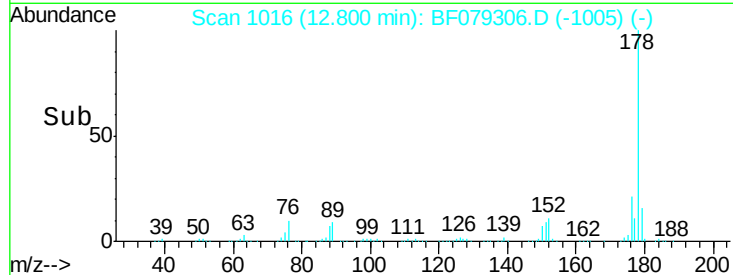
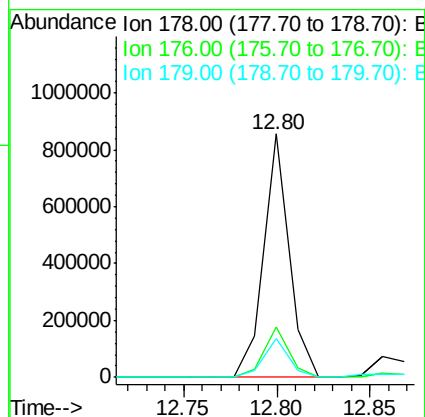
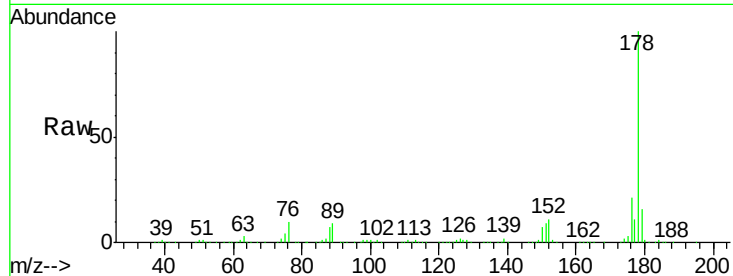
#70
Phenanthrene
Concen: 54.73 ng
RT: 12.80 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampled :
SR-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.9	23.9
179	16.0	12.2	18.4

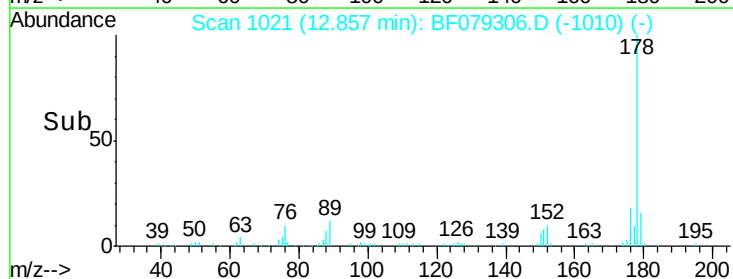
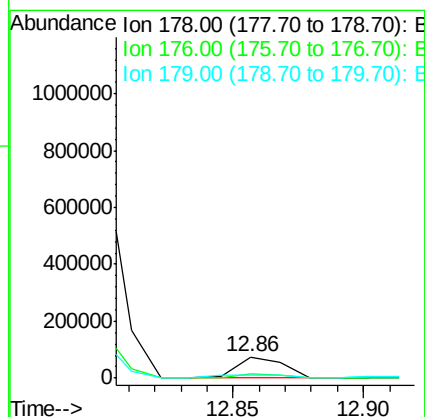
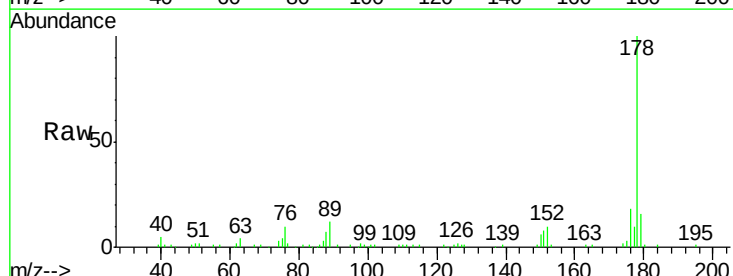
Manual Integrations
APPROVED

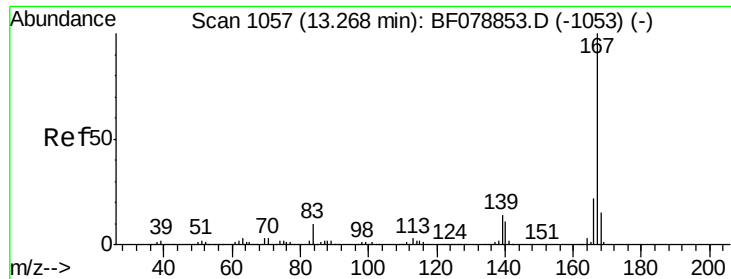
apatel
5/18/2015 3:42:46 PM



#71
Anthracene
Concen: 6.45 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	16.4	12.6	19.0





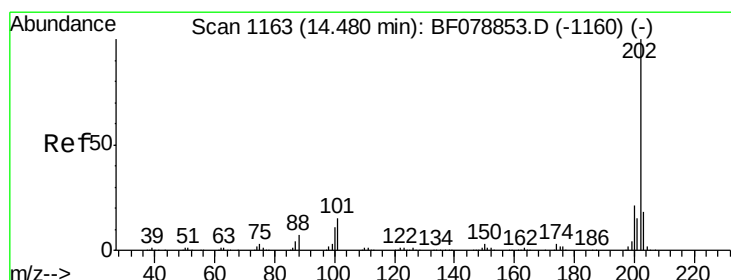
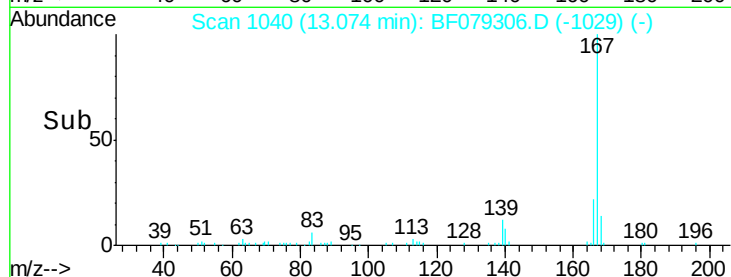
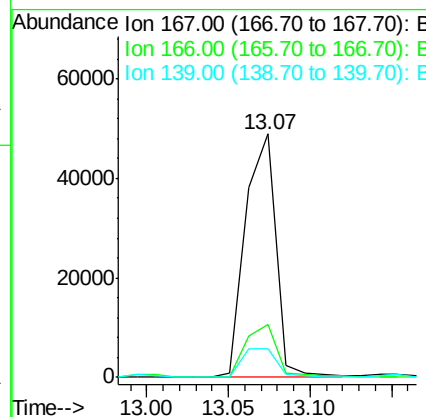
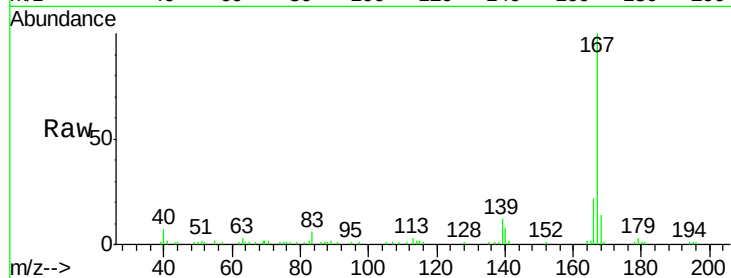
#72
 Carbazole
 Concen: 4.58 ng
 RT: 13.07 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Instrument :
 BNA_F
 ClientSampleId :
 SR-3

Tot Ion:	167	Resp:	63064
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.5	26.3
139	11.6	11.0	16.4

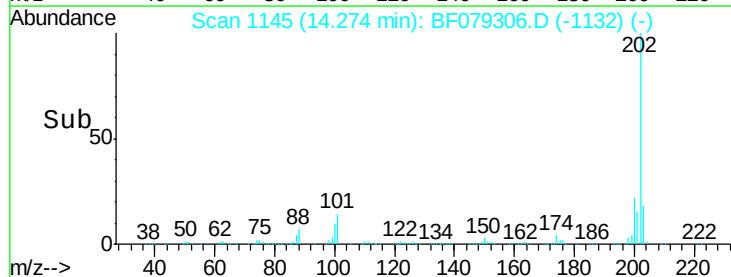
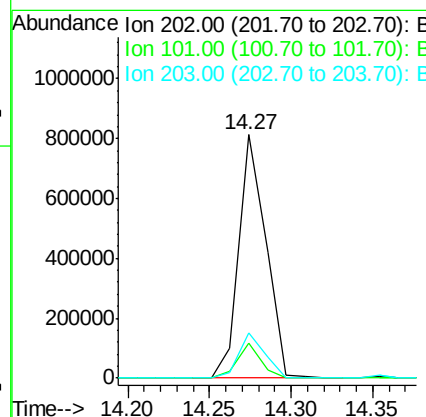
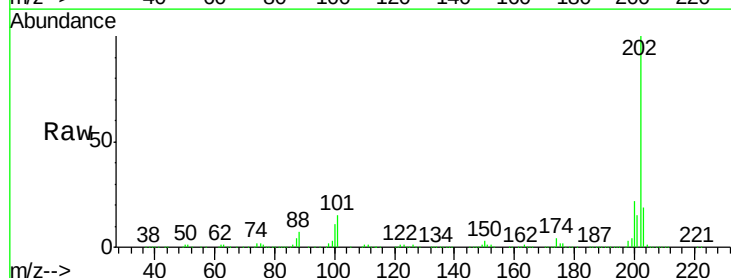
Manual Integrations
 APPROVED

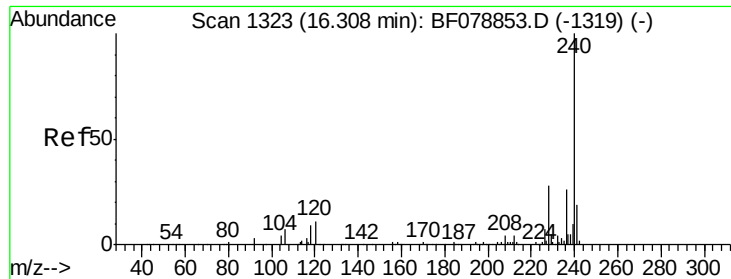
apatel
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#74
 Fluoranthene
 Concen: 60.04 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion:	202	Resp:	921878
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	34.7
203	18.7	0.0	37.9





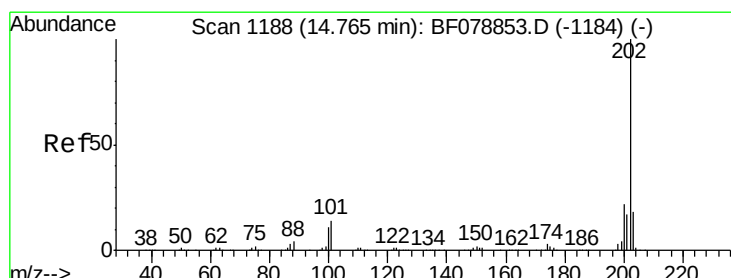
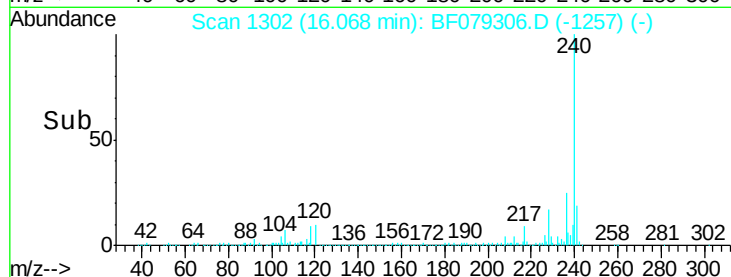
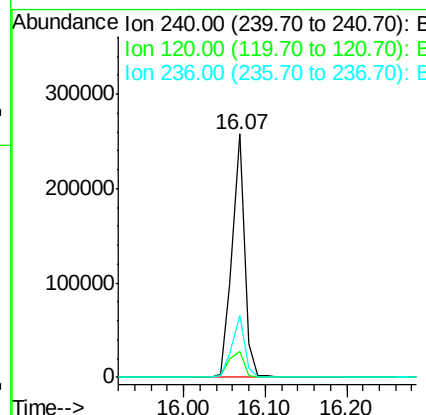
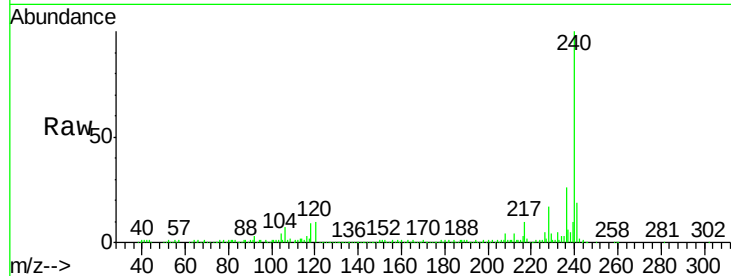
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.07 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampleId :
SR-3

Tot Ion	Ratio	Resp	Lower	Upper
240	100	277836		
120	10.5	8.6	12.8	
236	25.6	21.0	31.6	

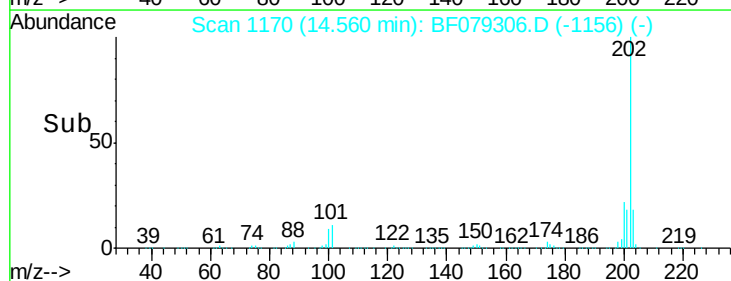
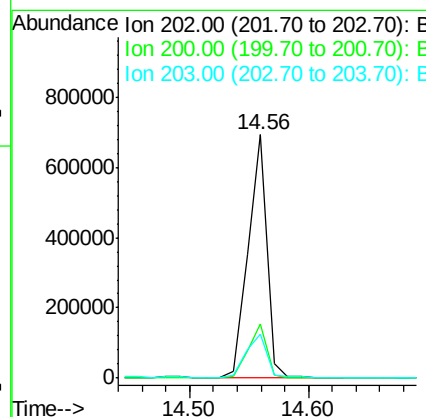
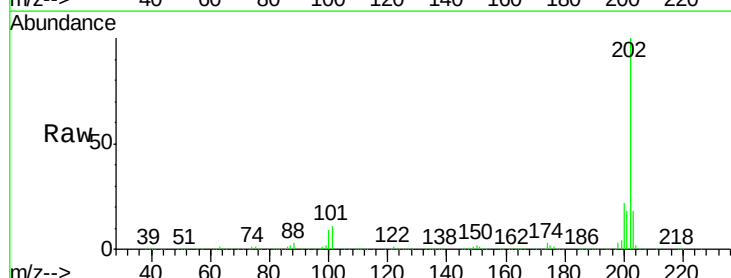
Manual Integrations
APPROVED

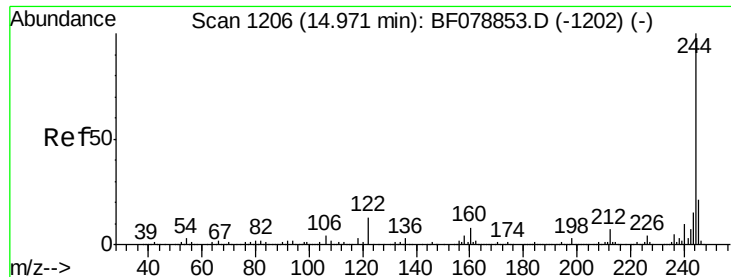
apatel
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#77
Pyrene
Concen: 47.58 ng
RT: 14.56 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	761831		
200	22.1	17.5	26.3	
203	17.9	14.7	22.1	





#78

Terphenyl-d14

Concen: 24.17 ng

RT: 14.77 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Instrument :

BNA_F

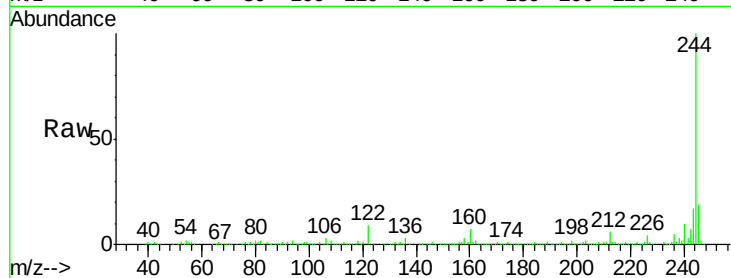
ClientSampleId :

SR-3

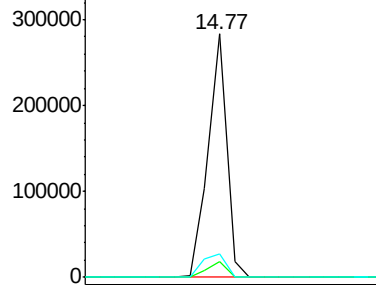
Tot Ion:	244	Resp:	280487
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.6	8.4
122	9.4	10.5	15.7

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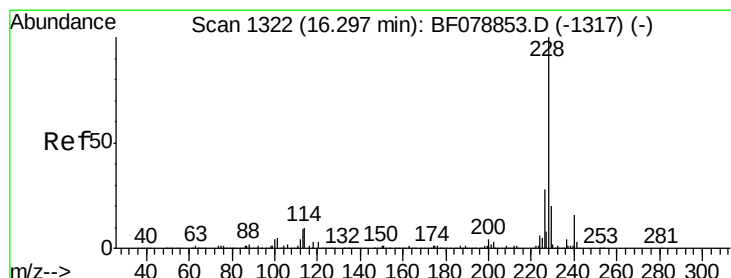
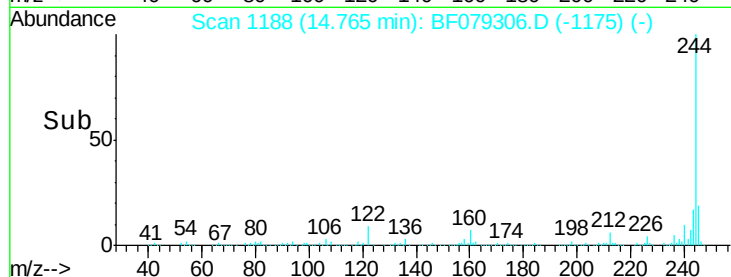
apatel
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 19.27 ng

RT: 16.06 min Scan# 1301

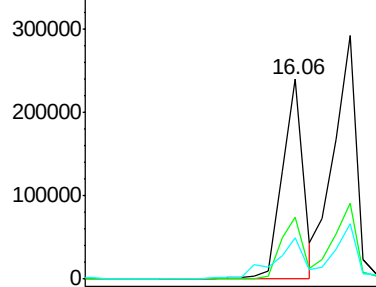
Delta R.T. 0.02 min

Lab File: BF079306.D

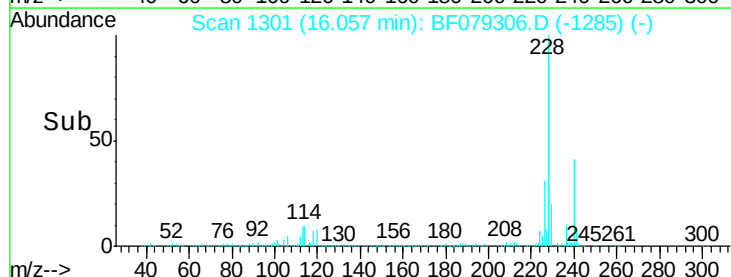
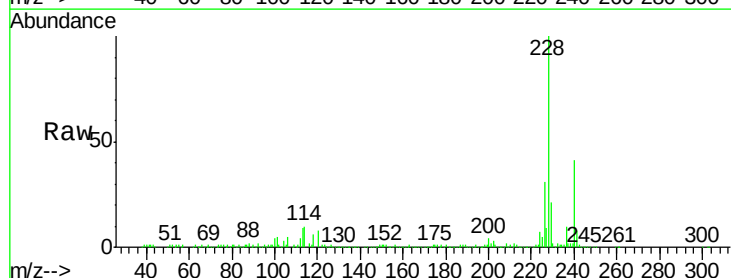
Acq: 16 May 2015 11:03

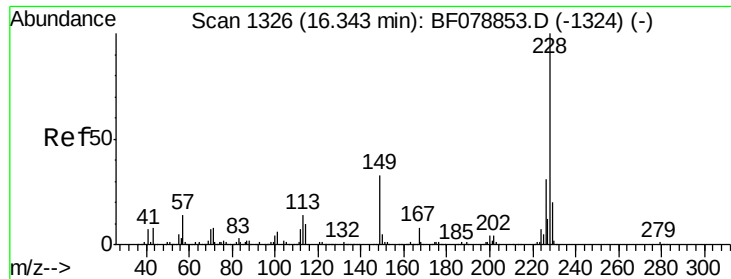
Tgt Ion:	228	Resp:	293218
Ion Ratio		Lower	Upper
228	100		
226	31.2	22.3	33.5
229	20.8	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





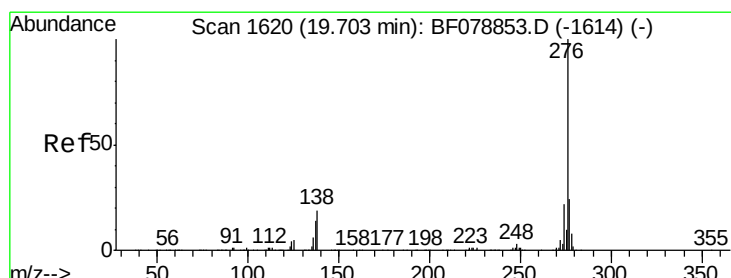
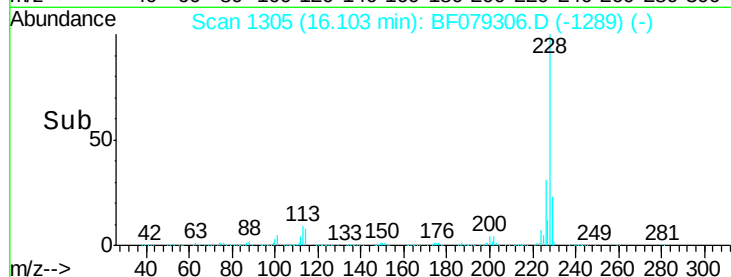
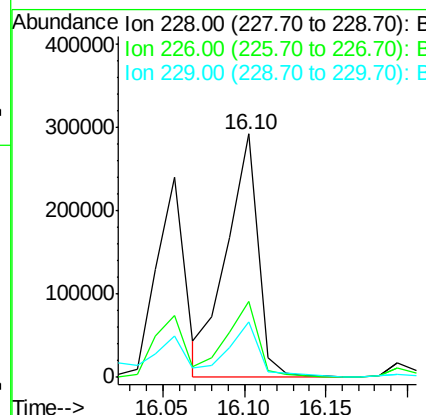
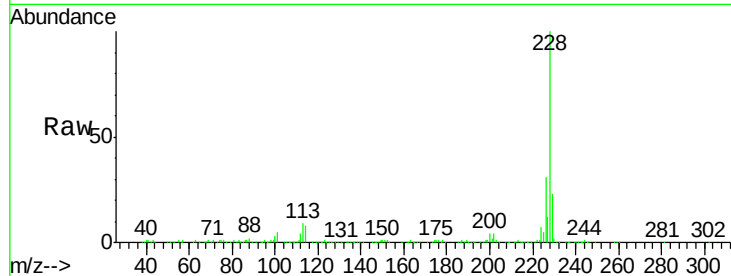
#82
Chrysene
Concen: 26.19 ng
RT: 16.10 min Scan# 1305
Delta R.T. 0.02 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampled :
SR-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	31.1		24.8	37.2	
229	22.8		16.1	24.1	

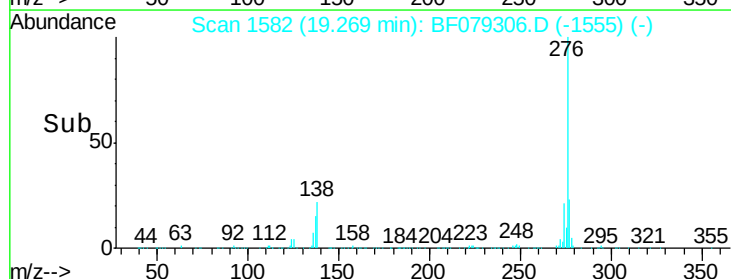
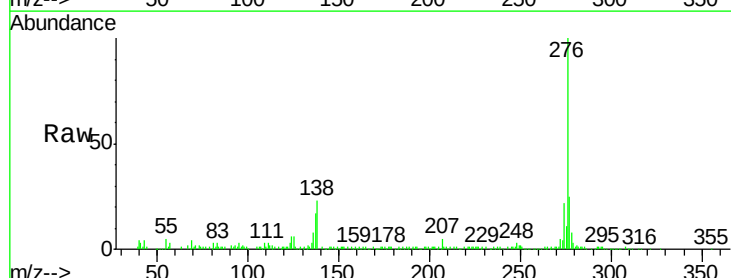
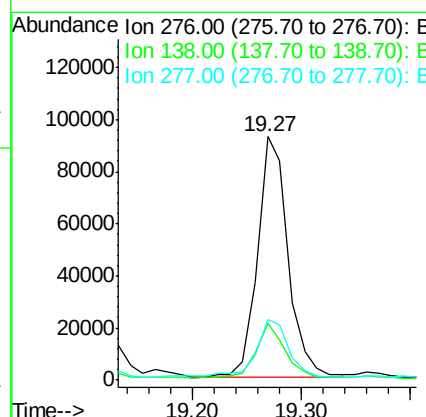
Manual Integrations
APPROVED

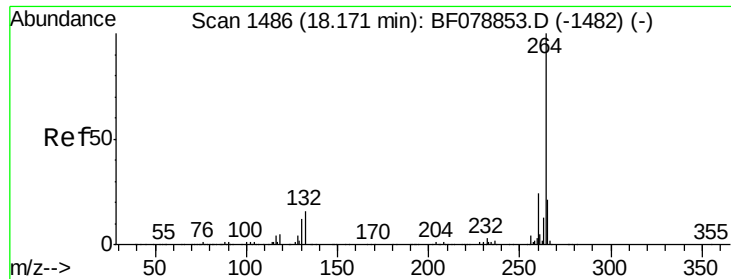
apatel
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.61 ng
RT: 19.27 min Scan# 1582
Delta R.T. 0.10 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	22.0		21.1	31.7	
277	27.2		19.9	29.9	





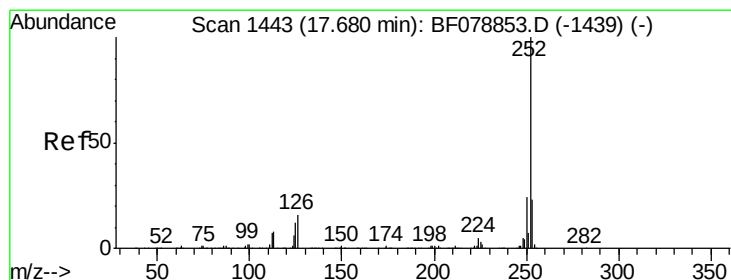
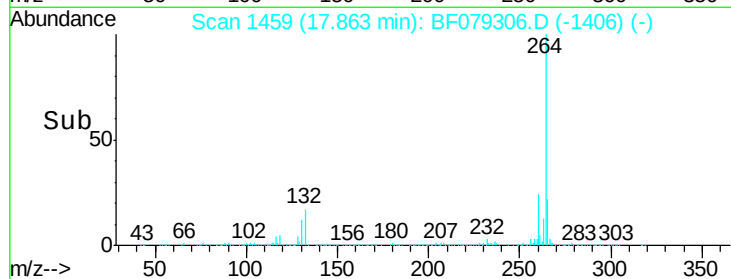
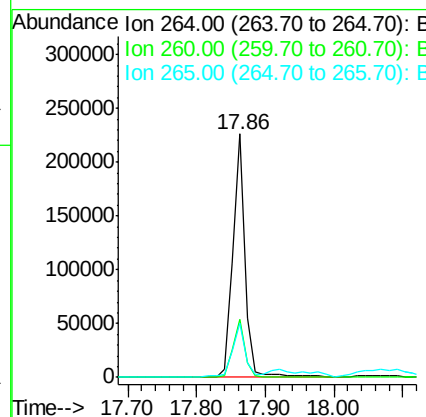
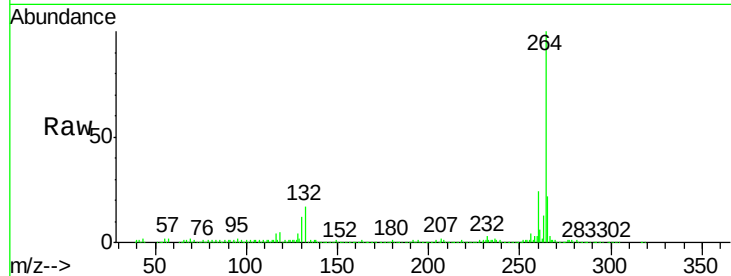
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.86 min Scan# 1459
Delta R.T. 0.10 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampleId :
SR-3

Tot Ion:	264	Resp:	286363
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	17.2	25.8

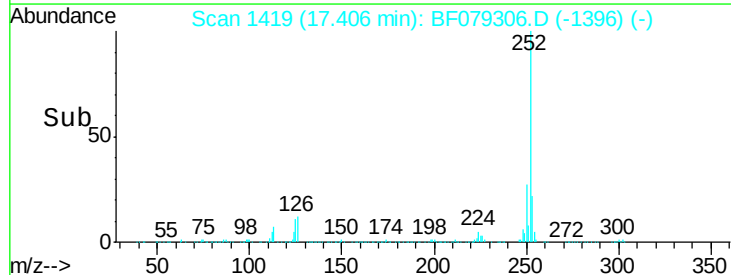
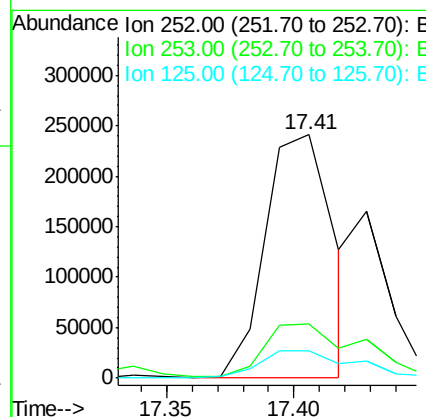
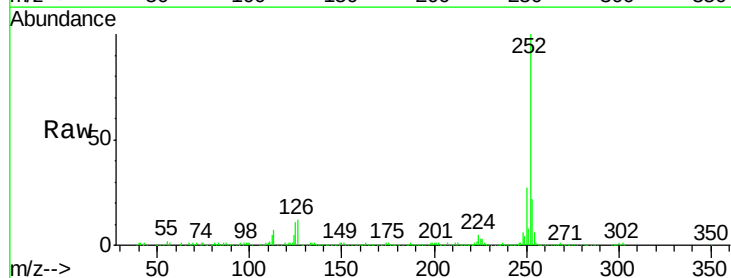
Manual Integrations
APPROVED

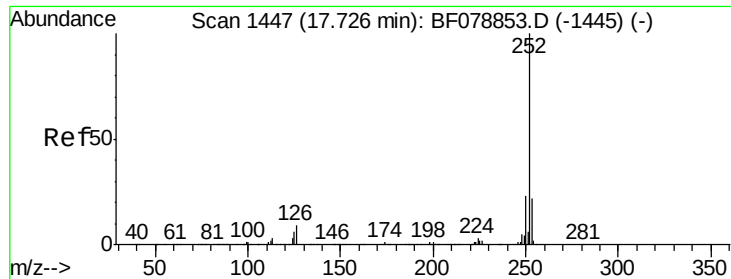
apatel
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#87
Benzo(b)fluoranthene
Concen: 28.34 ng m
RT: 17.41 min Scan# 1419
Delta R.T. 0.08 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion:	252	Resp:	444258
Ion Ratio		Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.2	9.4	14.2





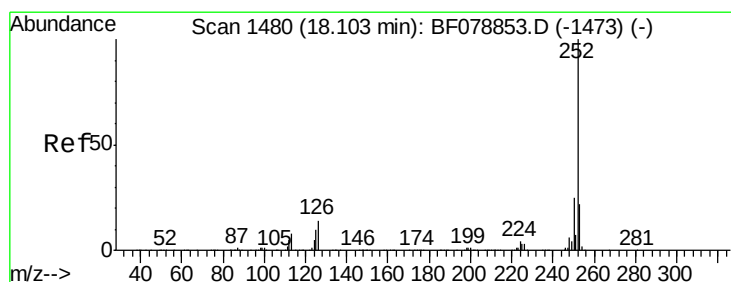
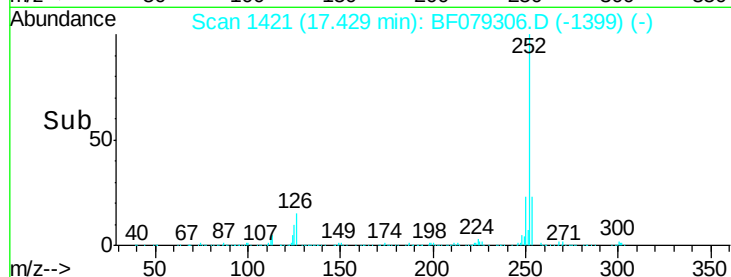
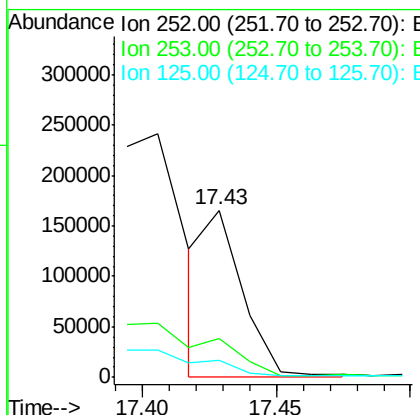
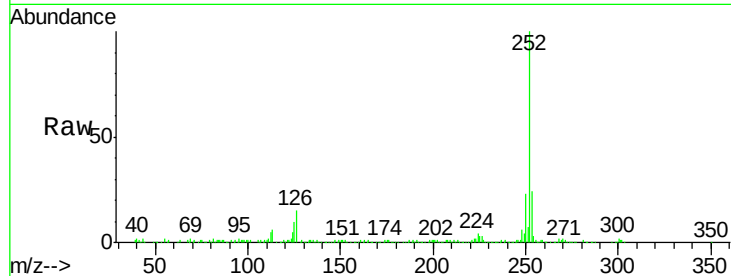
#88
Benzo(k)fluoranthene
Concen: 10.78 ng m
RT: 17.43 min Scan# 1421
Delta R.T. 0.07 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampleId :
SR-3

Tot Ion	Ratio	Resp	Lower	Upper
252	100	163511		
253	23.5	17.4	26.0	
125	10.2	6.1	9.1#	

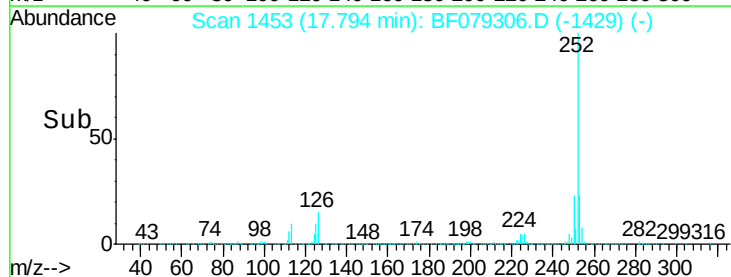
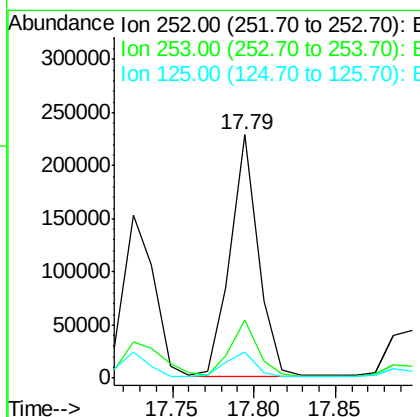
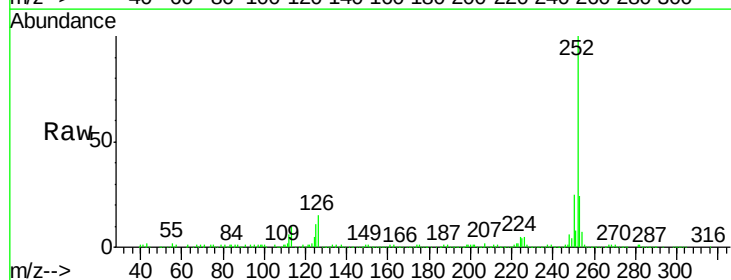
Manual Integrations
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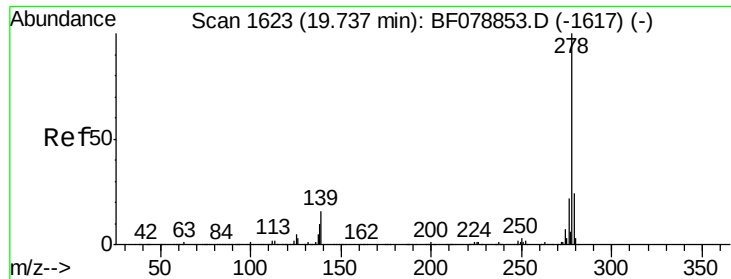
apatel
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#89
Benzo(a)pyrene
Concen: 18.79 ng
RT: 17.79 min Scan# 1453
Delta R.T. 0.09 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	271132		
253	23.6	18.0	27.0	
125	10.6	8.2	12.2	





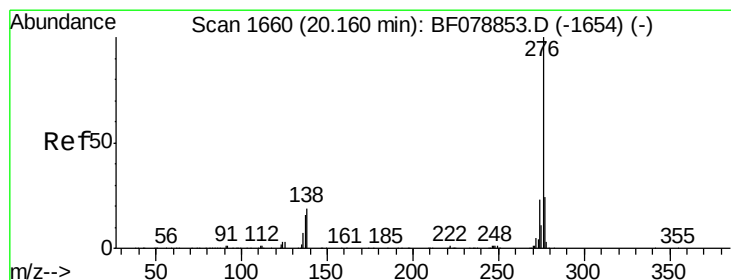
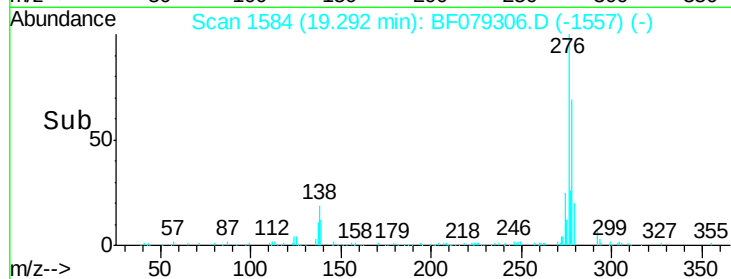
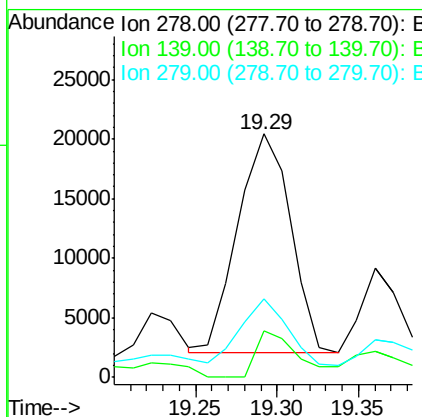
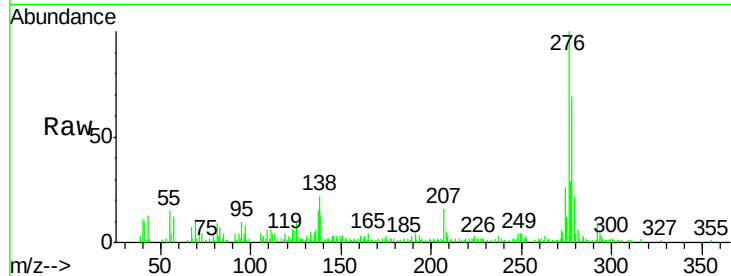
#90
Dibenzo(a,h)anthracene
Concen: 2.68 ng
RT: 19.29 min Scan# 1584
Delta R.T. 0.10 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Instrument :
BNA_F
ClientSampled :
SR-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.3	13.1	19.7
279	32.0	19.1	28.7#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.39 ng
RT: 19.69 min Scan# 1619
Delta R.T. 0.11 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	21.2	15.2	22.8

