

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
 Data File : BF079506.D
 Acq On : 27 May 2015 6:40
 Operator : TP/IZ
 Sample : G2359-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 SB-29BS

Manual Integrations
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Quant Time: May 27 07:47:39 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 07:31:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	82496	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	348946	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	174322	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	349368	20.00	ng	0.01
75) Chrysene-d12	15.89	240	370176	20.00	ng	0.01
86) Perylene-d12	17.62	264	385869	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	526392m	110.67	ng	0.00
7) Phenol-d6	6.62	99	732897m	120.89	ng	0.00
23) Nitrobenzene-d5	7.71	82	380539	63.04	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	217720	113.71	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	777664	63.65	ng	0.00
78) Terphenyl-d14	14.59	244	923827	58.57	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.63	128	46727	2.79	ng	97
48) Acenaphthylene	10.59	152	43122	2.42	ng	98
49) Dimethylphthalate	10.46	163	37658	2.93	ng	99
51) Acenaphthene	10.80	154	44655	4.38	ng	96
54) Dibenzofuran	11.02	168	34243	2.27	ng	98
57) Fluorene	11.44	166	44281	3.57	ng	97
70) Phenanthrene	12.63	178	641169	33.45	ng	100
71) Anthracene	12.70	178	177500	9.12	ng	100
72) Carbazole	12.91	167	57045	3.04	ng	98
74) Fluoranthene	14.10	202	877281	42.68	ng	94
77) Pyrene	14.39	202	814082	35.50	ng	100
80) Benzo(a)anthracene	15.87	228	469115	22.03	ng	99
82) Chrysene	15.92	228	343121	16.95	ng	98
83) Bis(2-ethylhexyl)phthalate	15.94	149	66736	4.52	ng	# 97
85) Indeno(1,2,3-cd)pyrene	18.96	276	222732	8.55	ng	97
87) Benzo(b)fluoranthene	17.18	252	466660m	21.20	ng	
88) Benzo(k)fluoranthene	17.19	252	203198m	10.32	ng	
89) Benzo(a)pyrene	17.55	252	379669	18.54	ng	# 96
91) Benzo(a,h,i)perylene	19.34	276	214689	8.72	ng	99

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

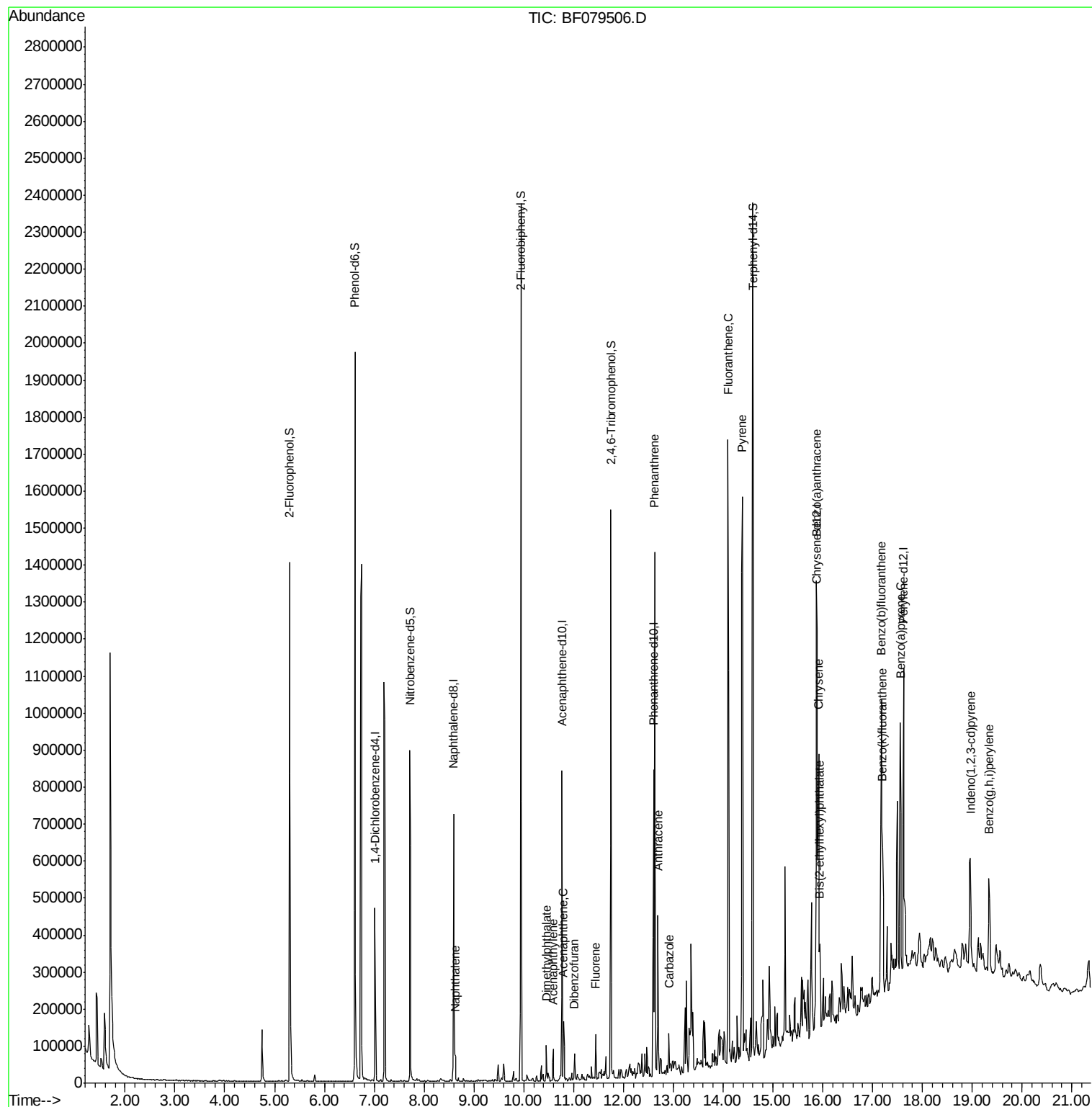
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
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#1

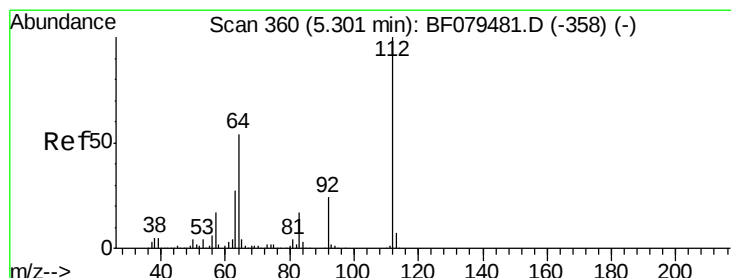
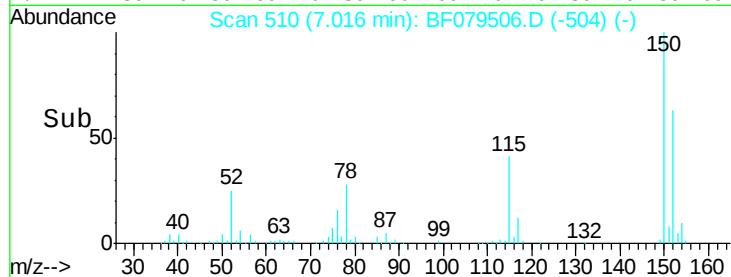
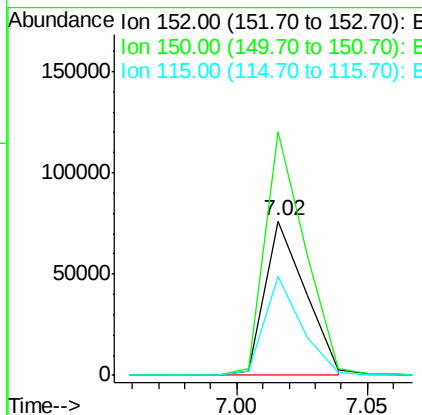
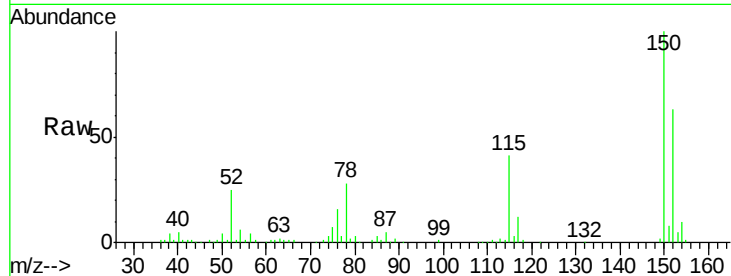
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Instrument :
BNA_F
ClientSampleId :
SB-29BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.0	186.0
115	64.2	49.6	74.4

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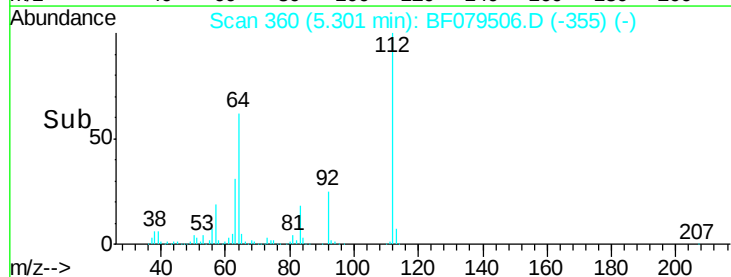
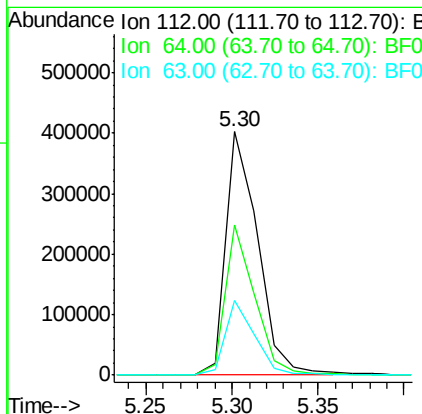
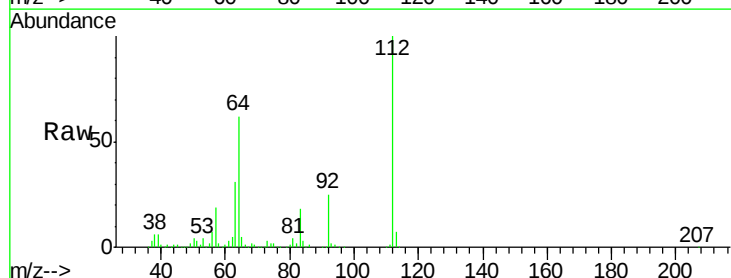
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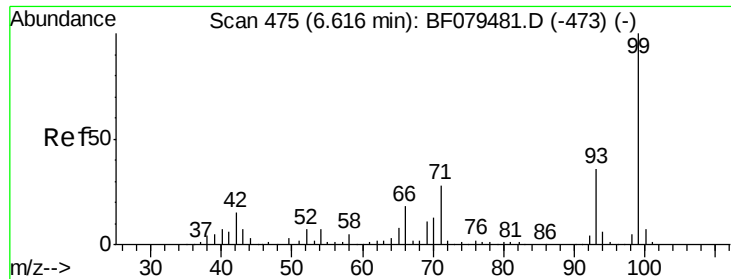


#5

2-Fluorophenol
Concen: 110.67 ng m
RT: 5.30 min Scan# 360
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	43.5	65.3
63	30.7	21.8	32.8





#7

Phenol-d6

Concen: 120.89 ng/mL

RT: 6.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Instrument :

BNA_F

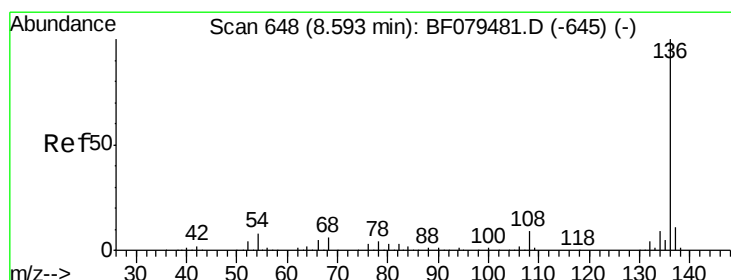
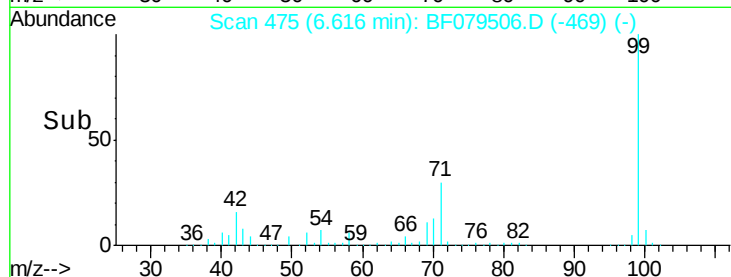
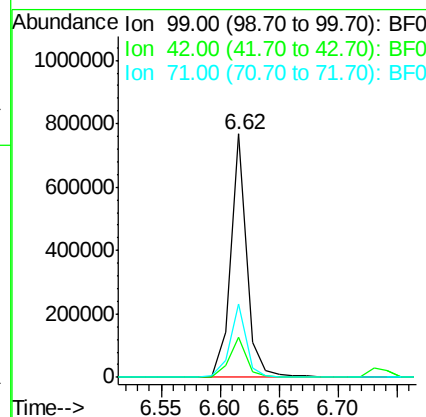
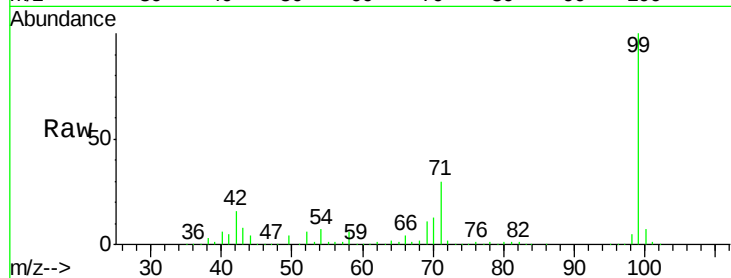
ClientSampled :

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Tot Ion:	99	Resp:	732897
Ion Ratio	Lower	Upper	
99	100		
42	16.3	11.9	17.9
71	30.0	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

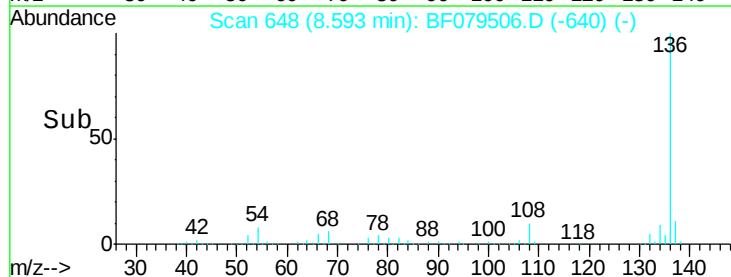
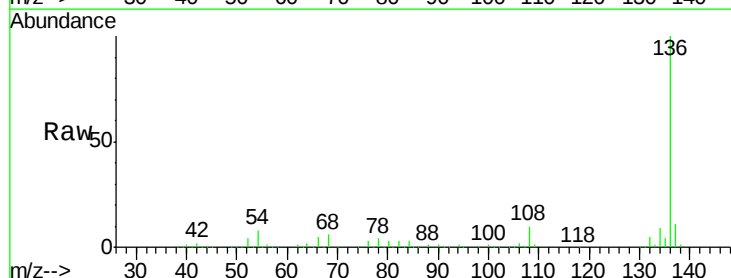
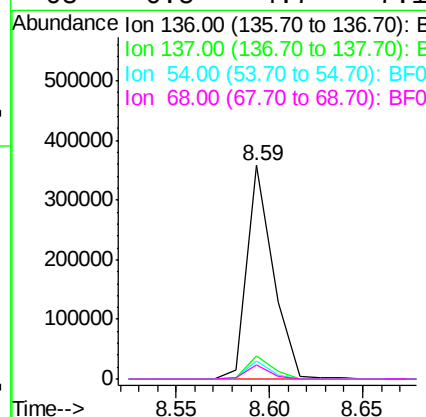
RT: 8.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Tgt Ion:	136	Resp:	348946
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	8.4	6.6	9.8
68	6.5	4.7	7.1





#23

Nitrobenzene-d5

Concen: 63.04 ng

RT: 7.71 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Instrument :

BNA_F

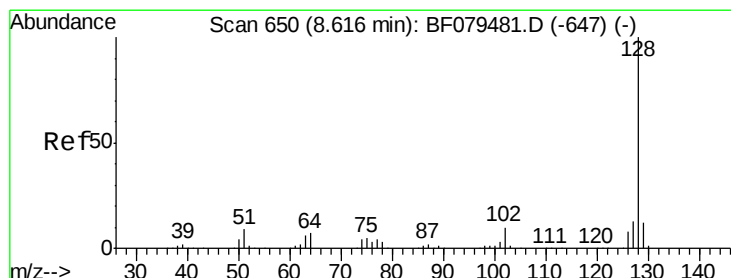
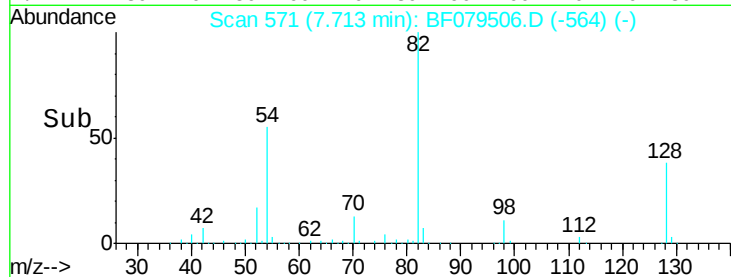
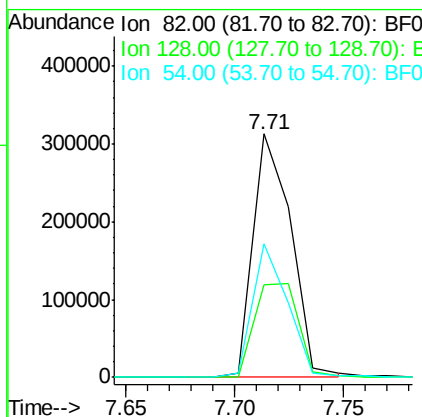
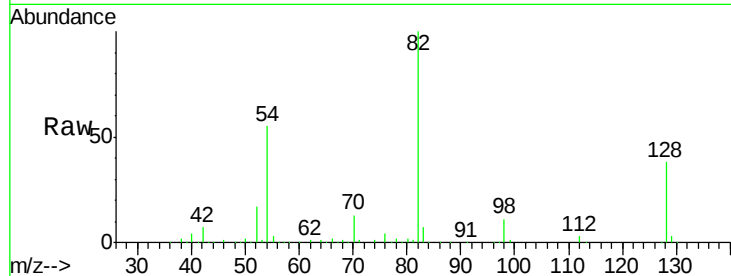
ClientSampleId :

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Tot Ion:	82	Resp:	380539
Ion Ratio	Lower	Upper	
82	100		
128	37.9	30.8	46.2
54	54.9	42.8	64.2

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#31

Naphthalene

Concen: 2.79 ng

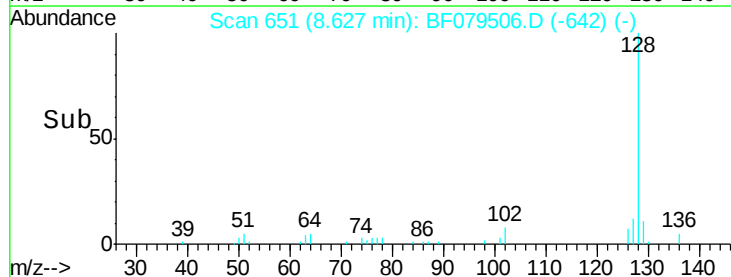
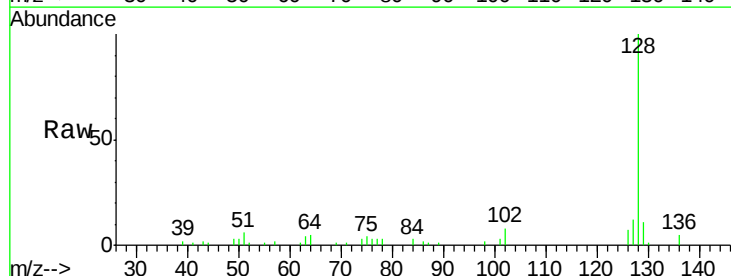
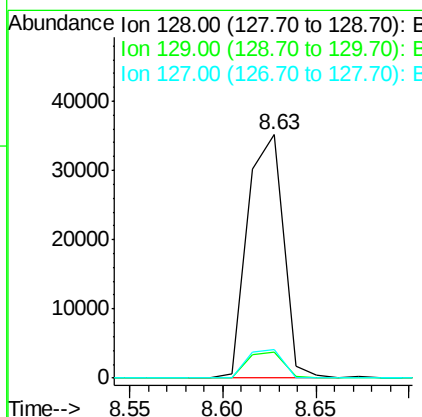
RT: 8.63 min Scan# 651

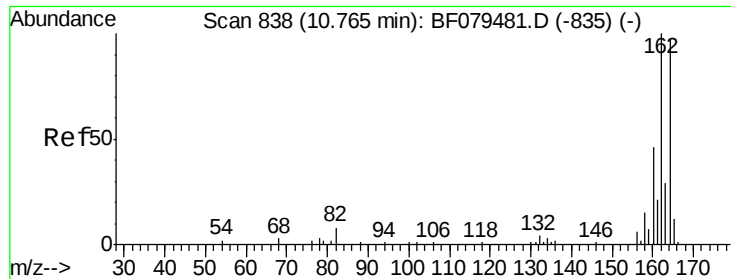
Delta R.T. 0.01 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Tgt Ion:	128	Resp:	46727
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.3	13.9
127	11.8	10.6	15.8





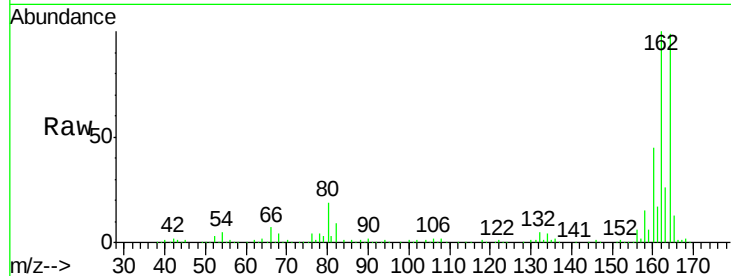
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.76 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Instrument :
BNA_F
ClientSampled :
SB-29BS

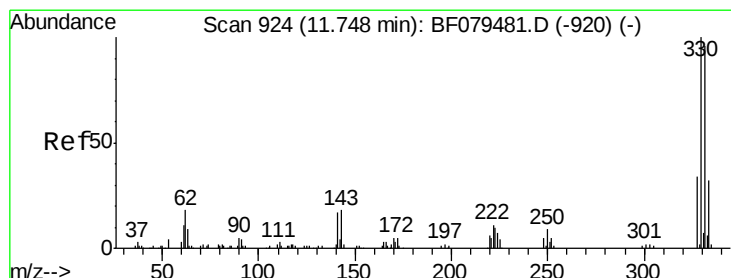
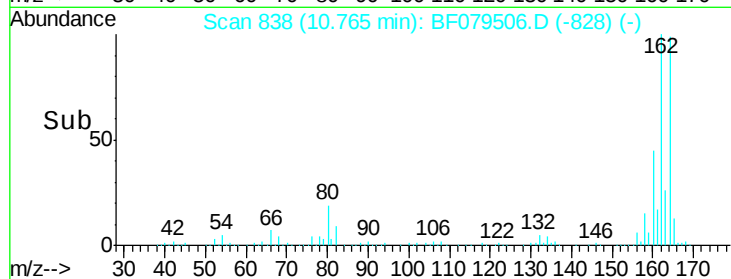
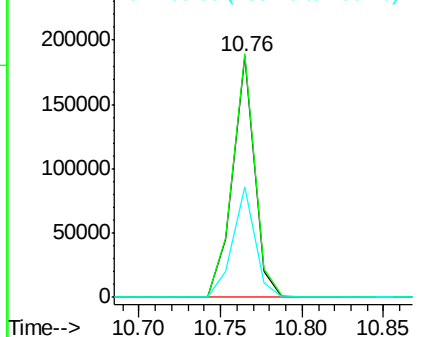
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	82.6	124.0	
160	46.0	37.7	56.5	

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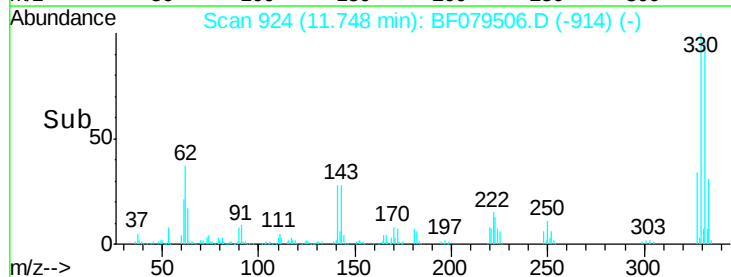
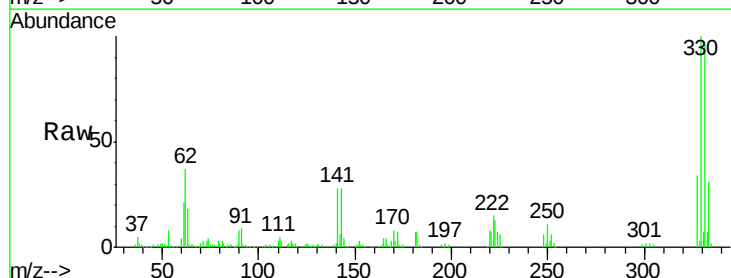
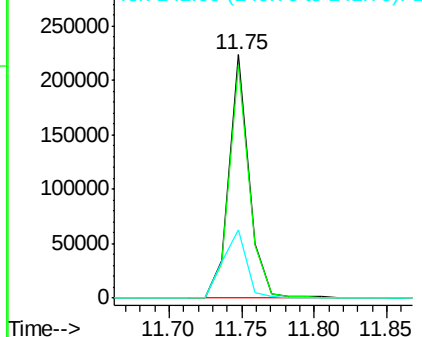
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

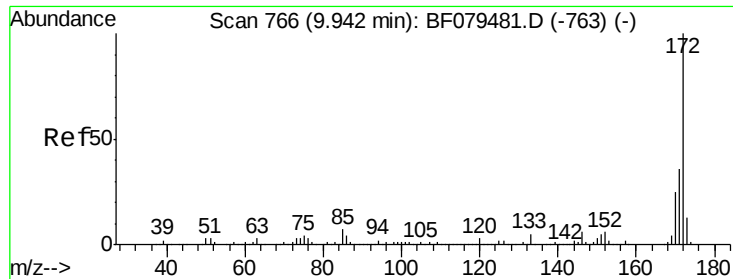


#41
2,4,6-Tribromophenol
Concen: 113.71 ng
RT: 11.75 min Scan# 924
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	0.0	0.0#	
141	33.4	0.0	0.0#	

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





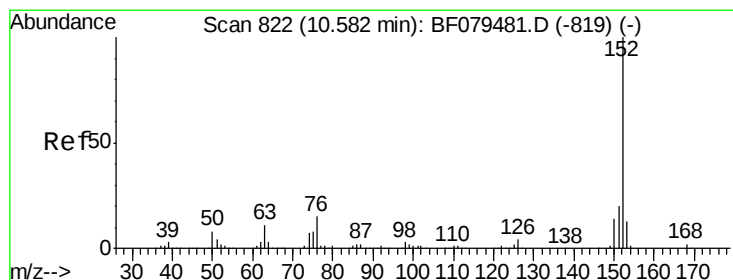
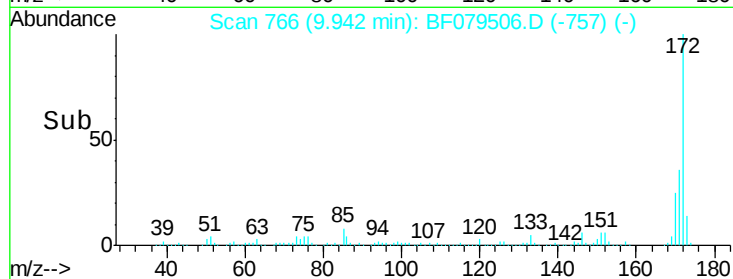
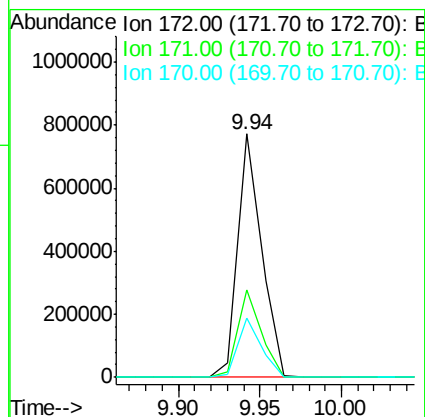
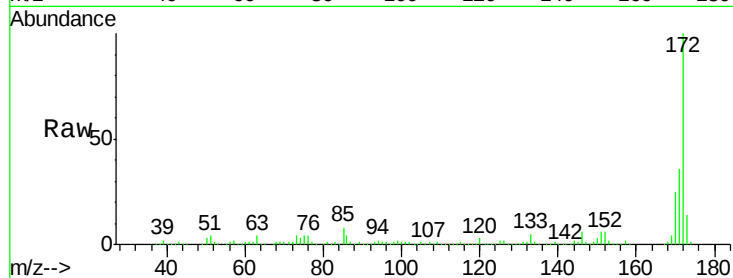
#44
 2-Fluorobiphenyl
 Concen: 63.65 ng
 RT: 9.94 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: BF079506.D
 Acq: 27 May 2015 6:40

Instrument :
 BNA_F
 ClientSampled :
 SB-29BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	24.5	19.7	29.5

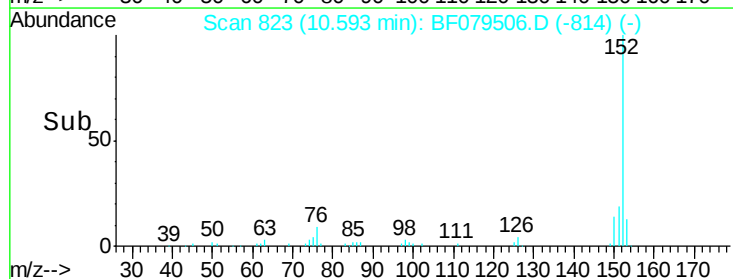
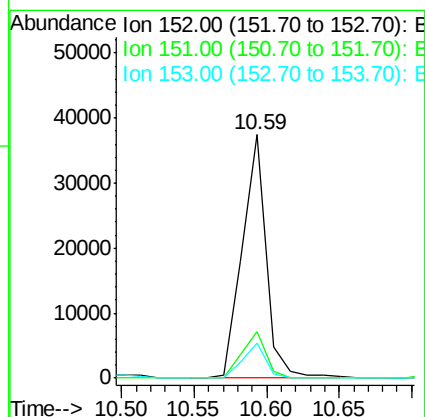
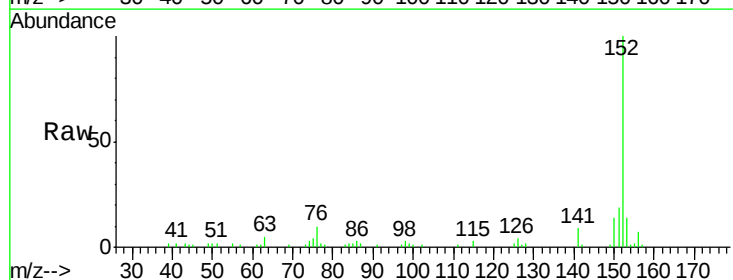
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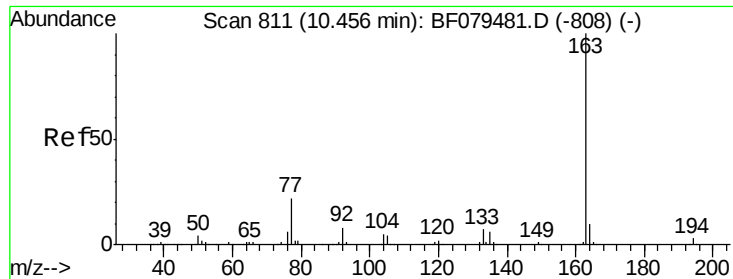
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#48
 Acenaphthylene
 Concen: 2.42 ng
 RT: 10.59 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BF079506.D
 Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	14.2	10.7	16.1





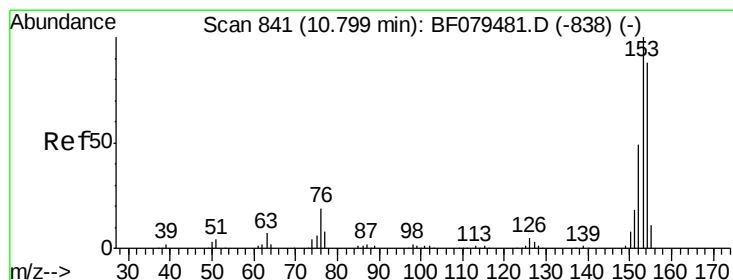
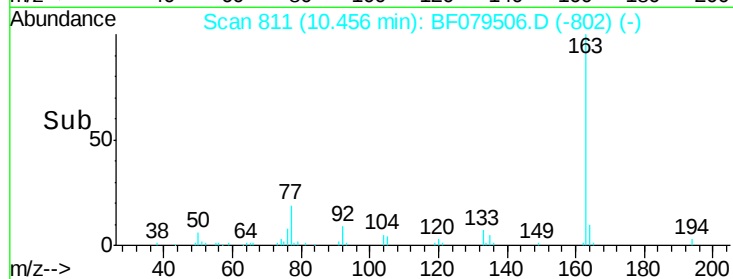
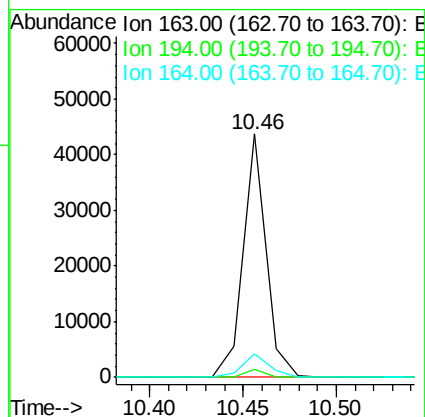
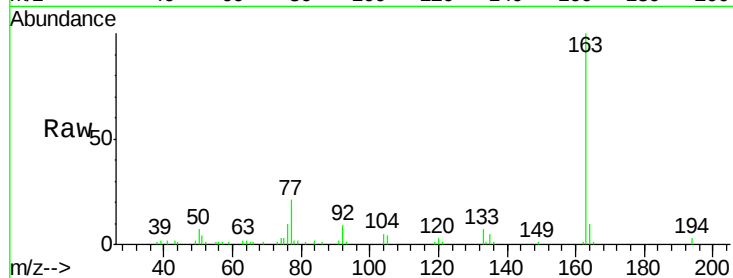
#49
Dimethylphthalate
Concen: 2.93 ng
RT: 10.46 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Instrument :
BNA_F
ClientSampleId :
SB-29BS

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	2.4	3.6
164	9.8	8.2	12.4

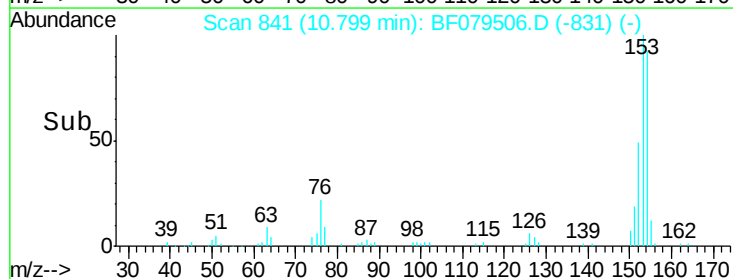
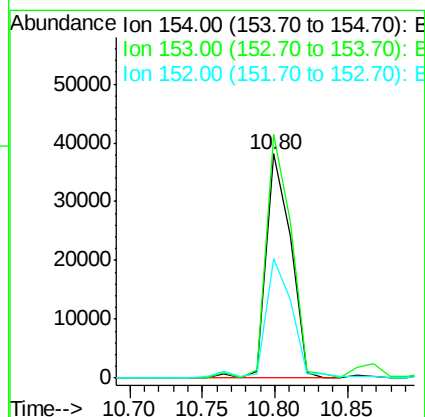
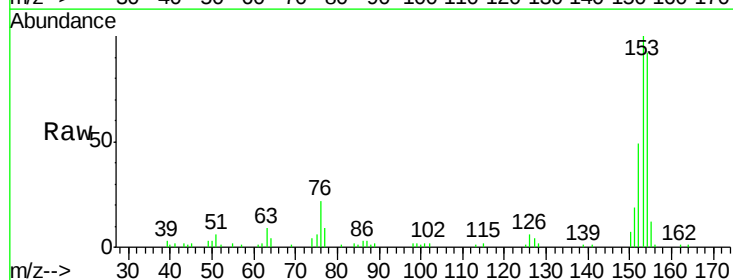
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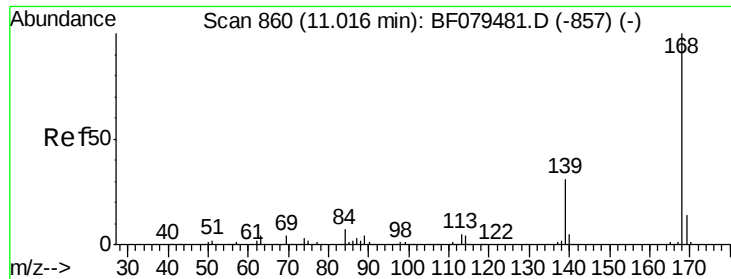
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#51
Acenaphthene
Concen: 4.38 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	108.6	91.1	136.7
152	53.5	44.6	66.8





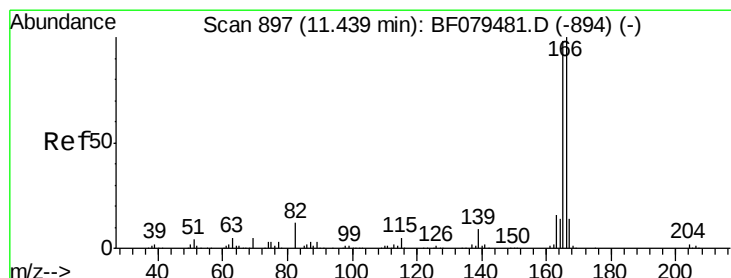
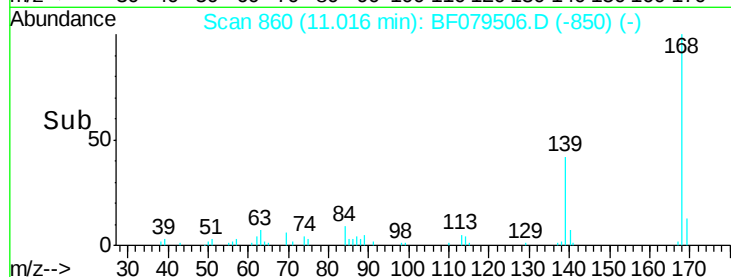
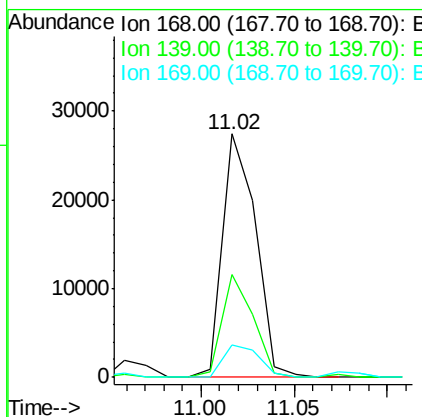
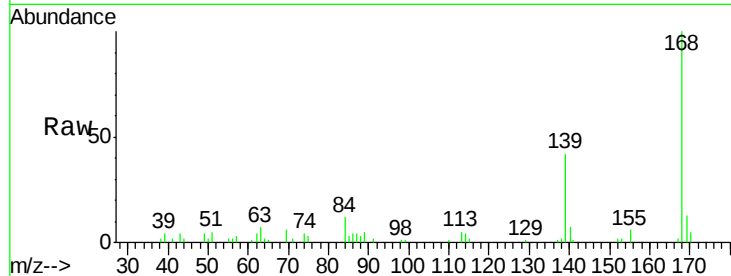
#54
Dibenzenofuran
Concen: 2.27 ng
RT: 11.02 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Instrument :
BNA_F
ClientSampleId :
SB-29BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.4	32.9	49.3
169	13.1	11.1	16.7

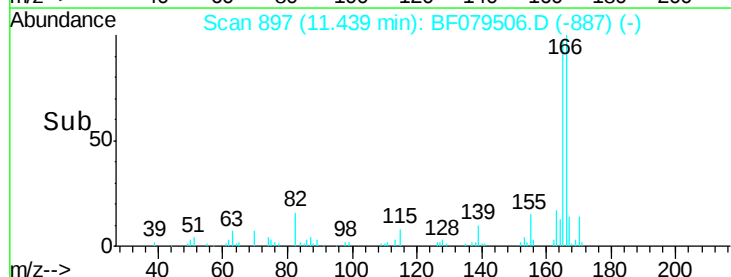
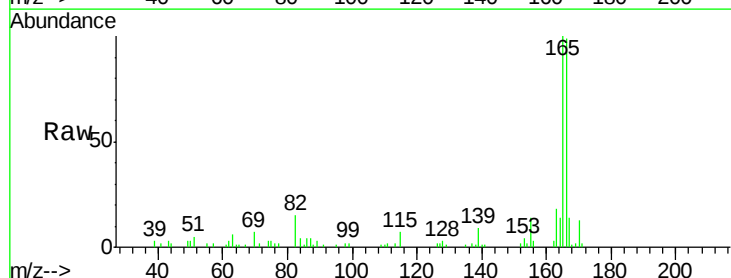
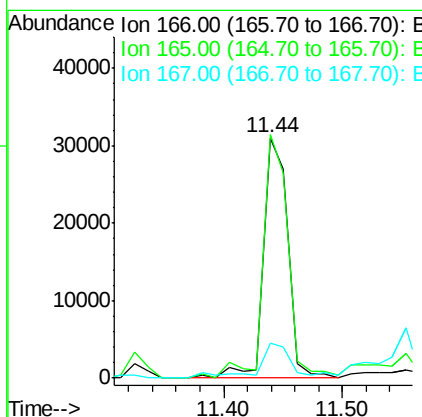
Manual Integrations
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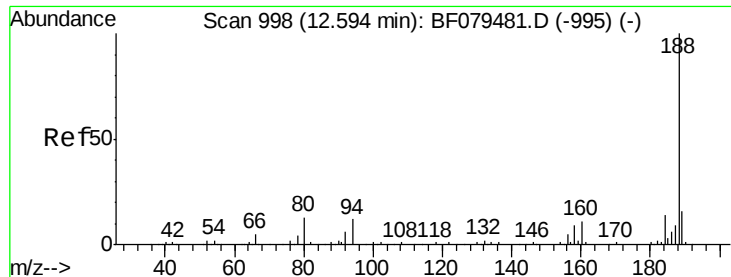
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#57
Fluorene
Concen: 3.57 ng
RT: 11.44 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.5	78.6	117.8
167	14.7	10.8	16.2





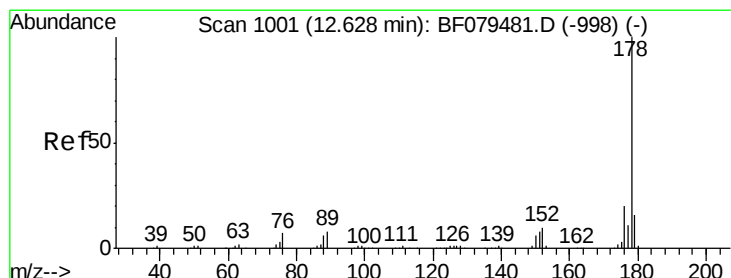
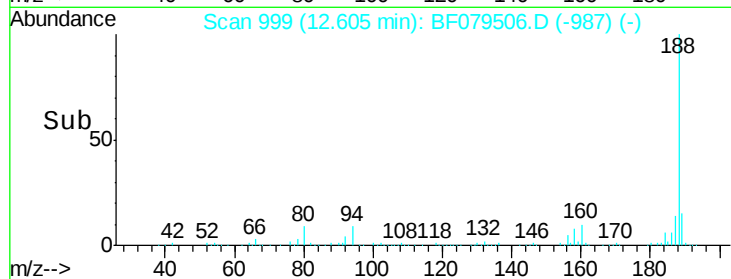
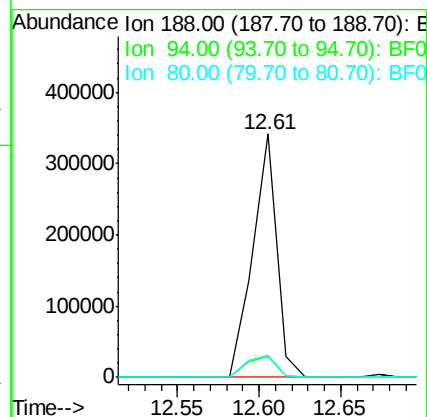
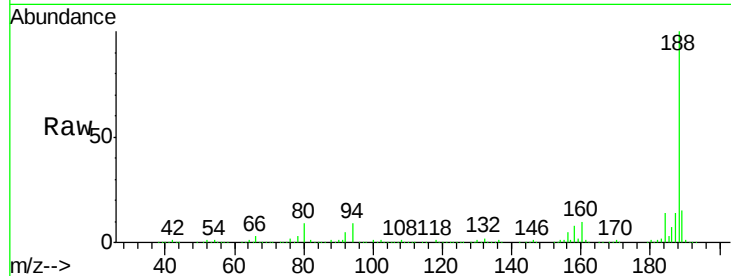
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: BF079506.D
 Acq: 27 May 2015 6:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-29BS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	9.8	14.6#
80	9.0	10.5	15.7#

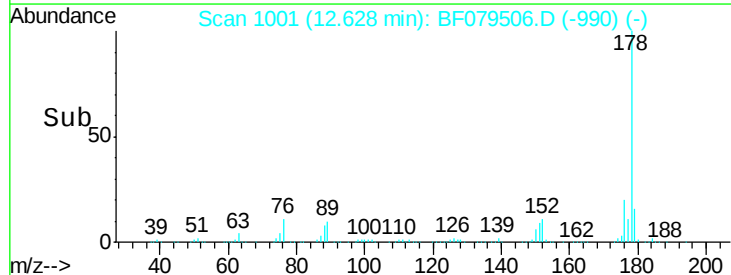
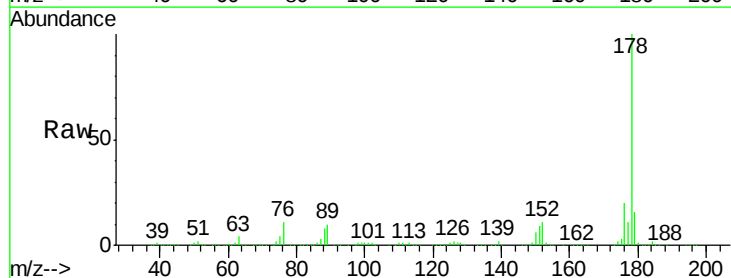
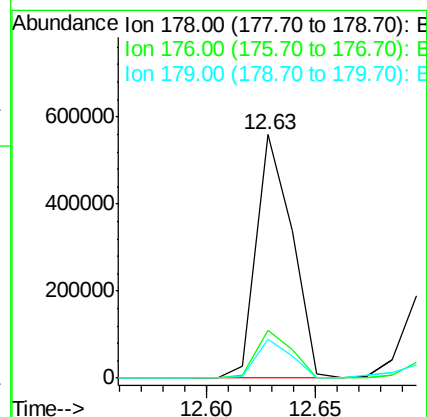
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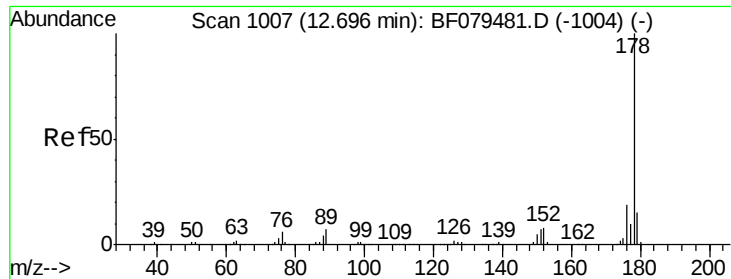
apatel
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#70
 Phenanthrene
 Concen: 33.45 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BF079506.D
 Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.7	12.4	18.6





#71

Anthracene

Concen: 9.12 ng

RT: 12.70 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Instrument :

BNA_F

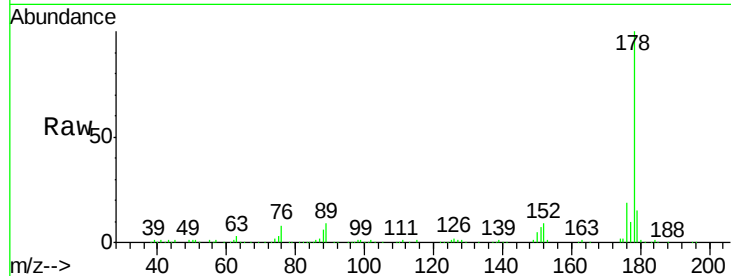
ClientSampled :

SB-29BS

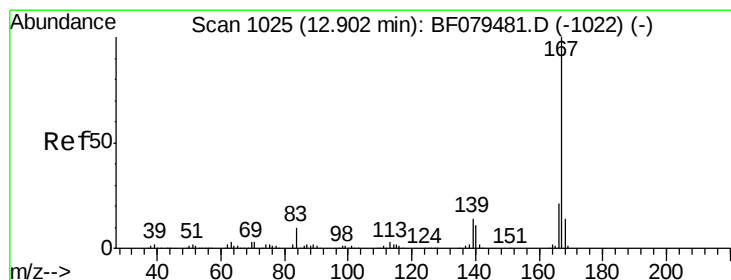
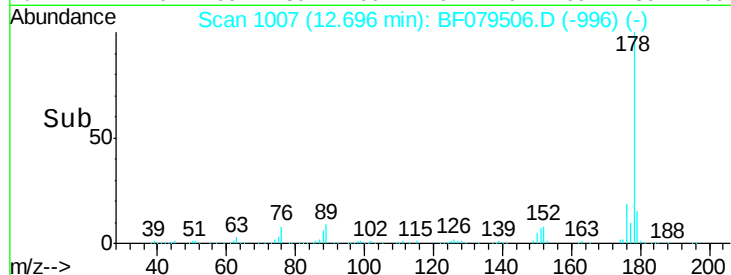
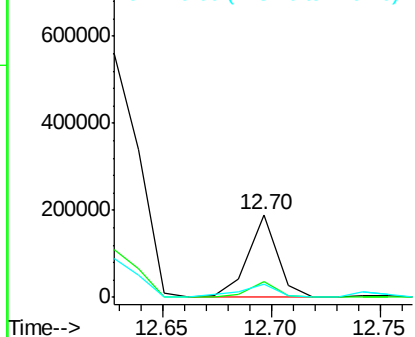
Tot Ion:	178	Resp:	177500
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	15.5	12.2	18.4

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.04 ng

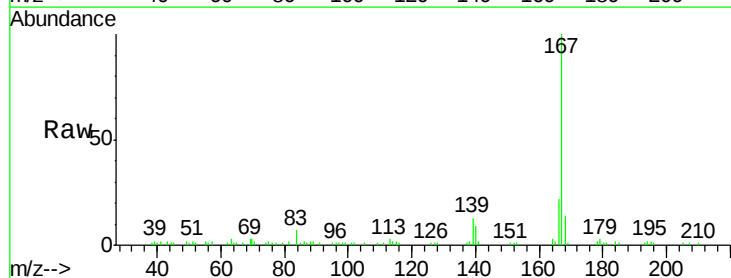
RT: 12.91 min Scan# 1026

Delta R.T. 0.01 min

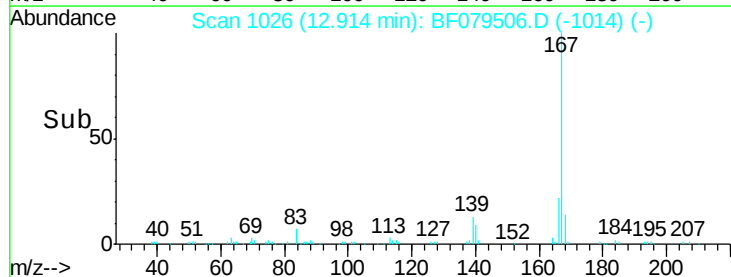
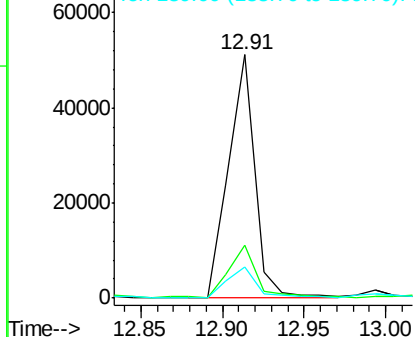
Lab File: BF079506.D

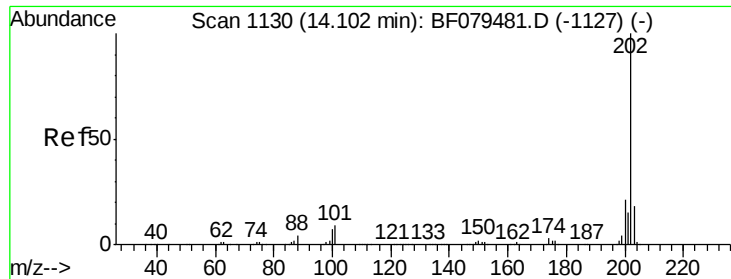
Acq: 27 May 2015 6:40

Tgt Ion:	167	Resp:	57045
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.0	25.4
139	13.0	11.2	16.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 42.68 ng

RT: 14.10 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Instrument :

BNA_F

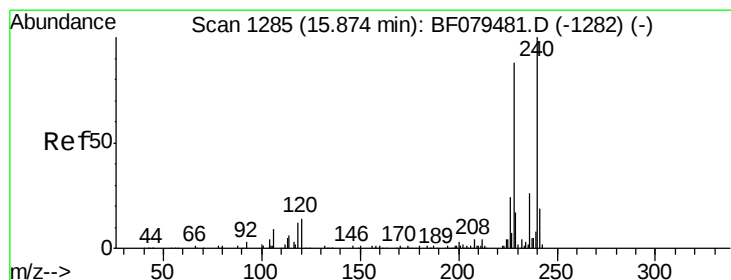
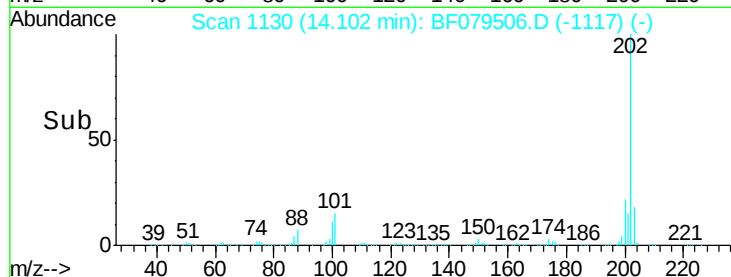
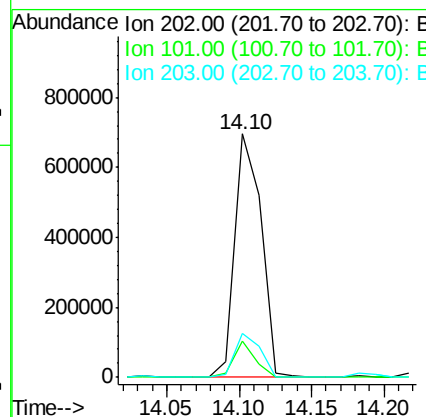
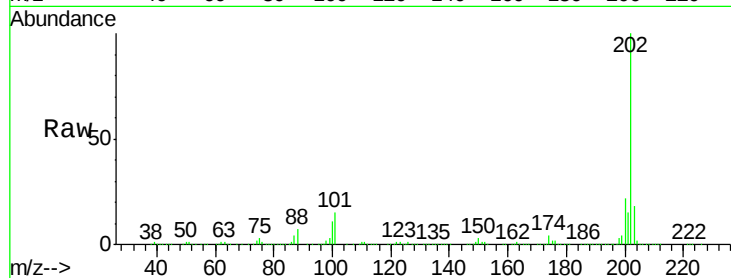
ClientSampleId :

SB-29BS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	877281		
101	14.8	0.0	29.3	
203	18.2	0.0	37.6	

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#75

Chrysene-d12

Concen: 20.00 ng

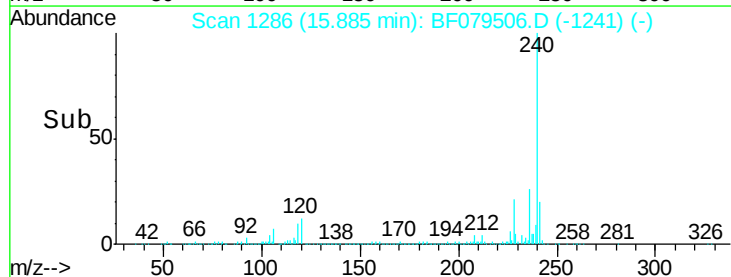
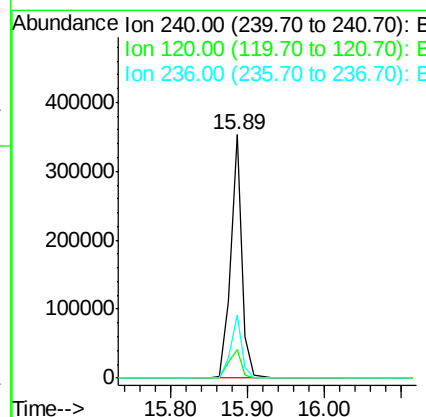
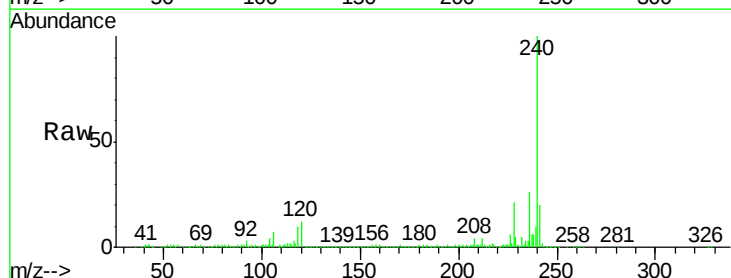
RT: 15.89 min Scan# 1286

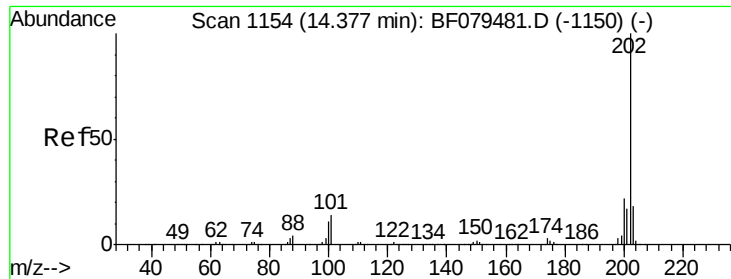
Delta R.T. 0.01 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	370176		
120	11.7	10.8	16.2	
236	26.1	21.0	31.6	





#77

Pvrene

Concen: 35.50 ng

RT: 14.39 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Instrument :

BNA_F

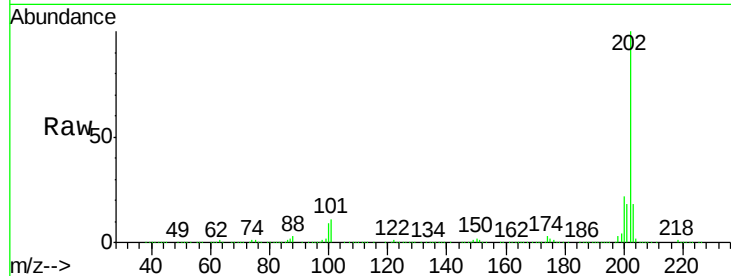
ClientSampleId :

SB-29BS

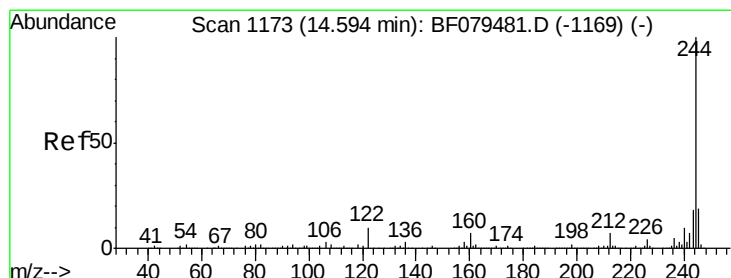
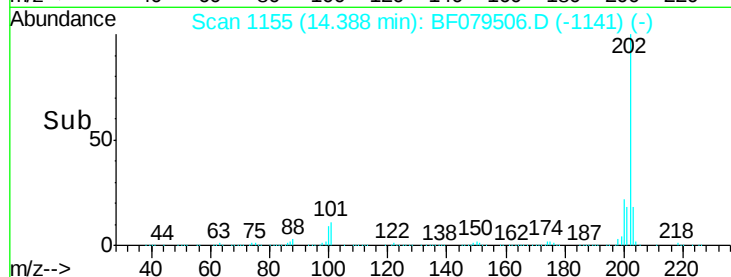
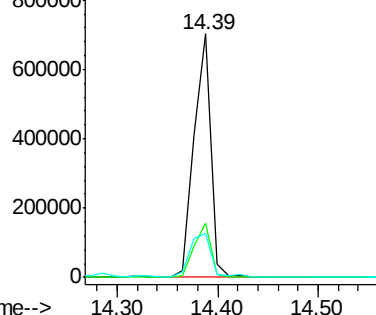
Tot Ion:	202	Resp:	814082
Ion Ratio		Lower	Upper
202	100		
200	22.1	17.5	26.3
203	17.9	14.4	21.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 58.57 ng

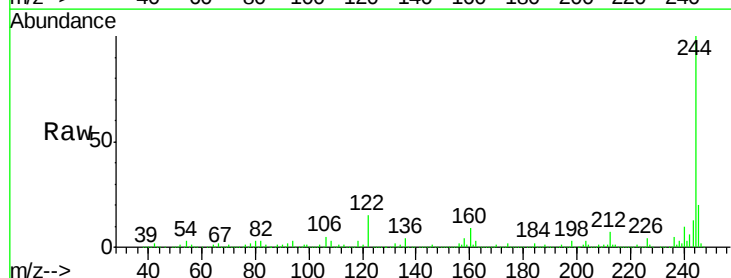
RT: 14.59 min Scan# 1173

Delta R.T. -0.00 min

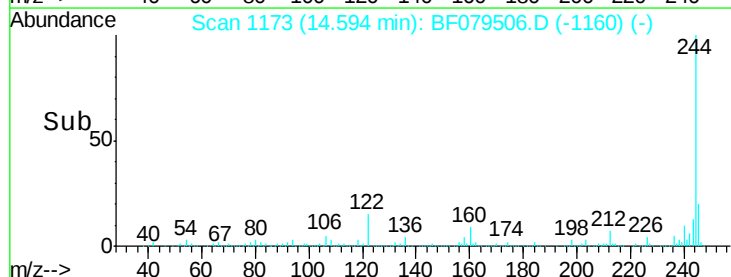
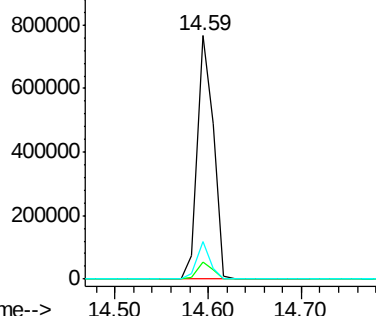
Lab File: BF079506.D

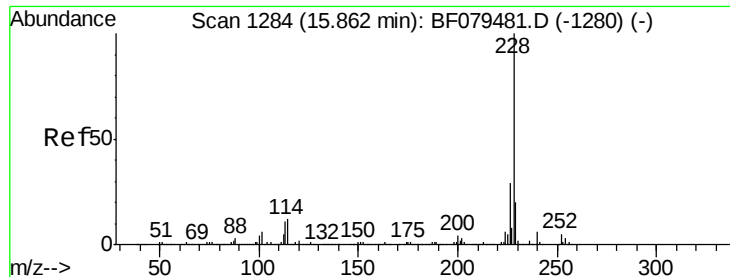
Acq: 27 May 2015 6:40

Tgt Ion:	244	Resp:	923827
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.2	7.8
122	15.3	8.0	12.0#



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





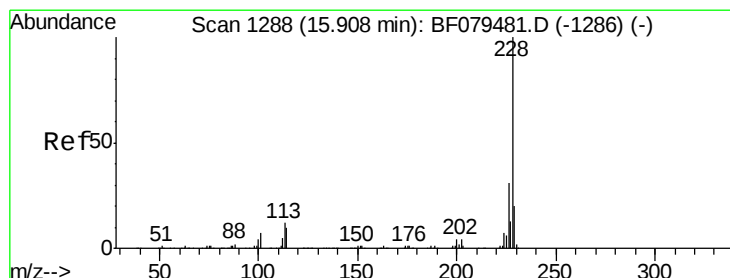
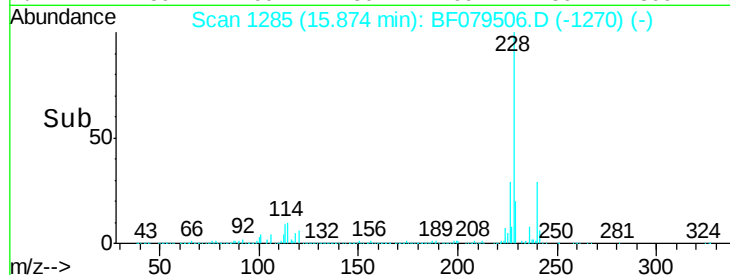
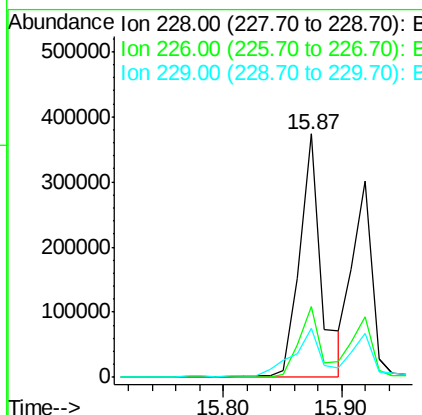
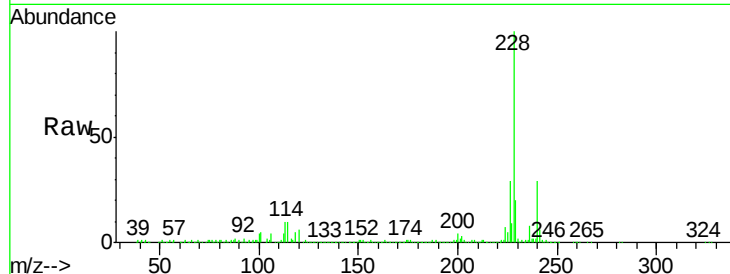
#80
Benzo(a)anthracene
Concen: 22.03 ng
RT: 15.87 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Instrument :
BNA_F
ClientSampleId :
SB-29BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.8	34.2
229	20.3	15.9	23.9

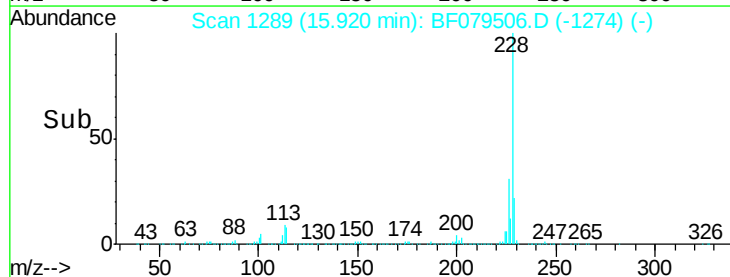
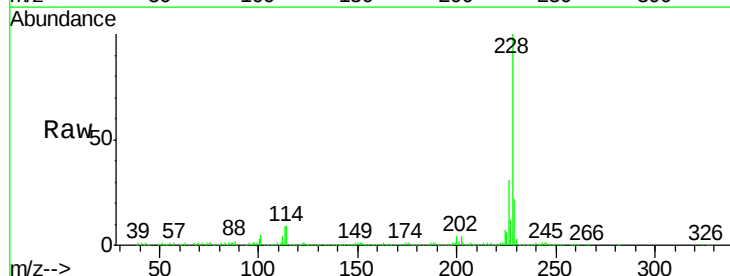
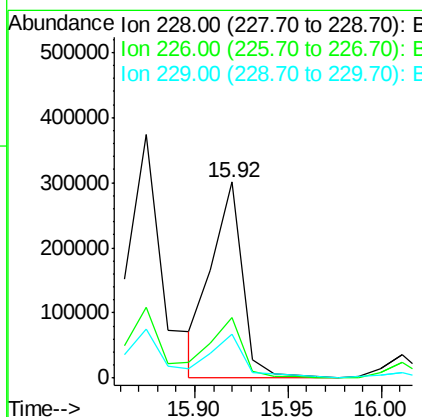
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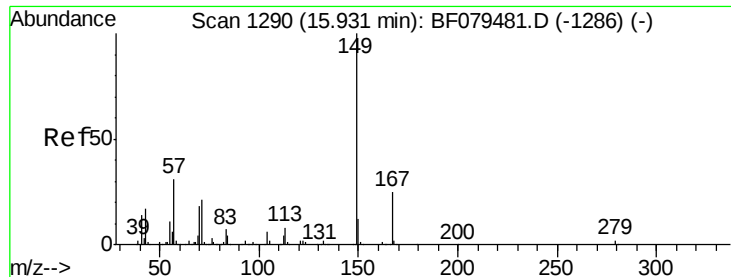
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#82
Chrysene
Concen: 16.95 ng
RT: 15.92 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.4
229	22.4	15.9	23.9





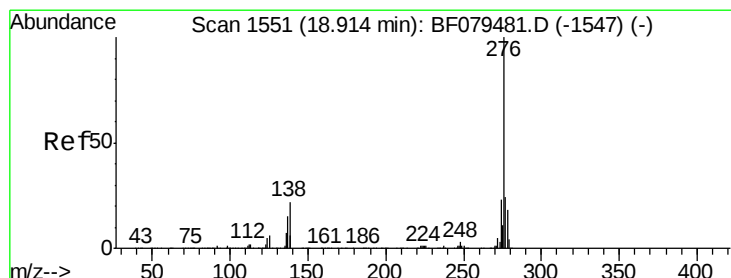
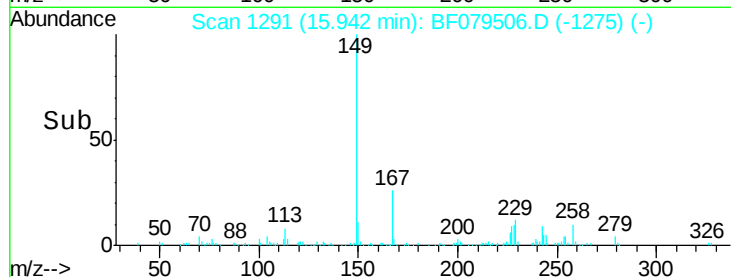
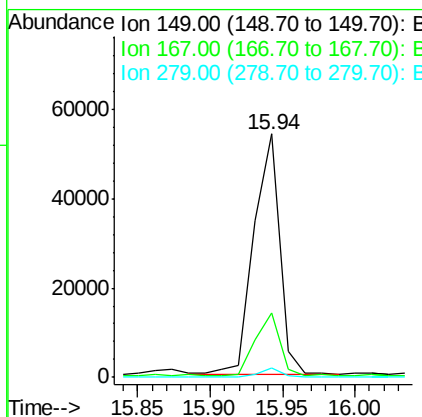
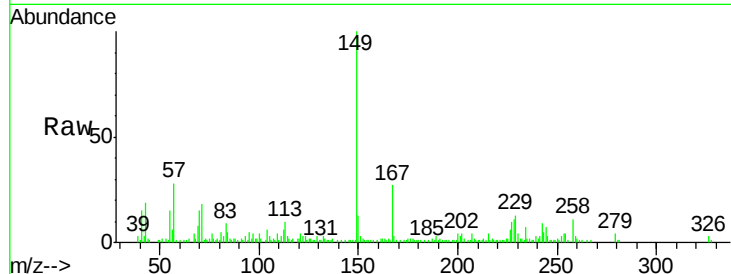
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.52 ng
 RT: 15.94 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: BF079506.D
 Acq: 27 May 2015 6:40

Instrument :
 BNA_F
 ClientSampled :
 SB-29BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.2	30.4
279	3.6	2.0	3.0

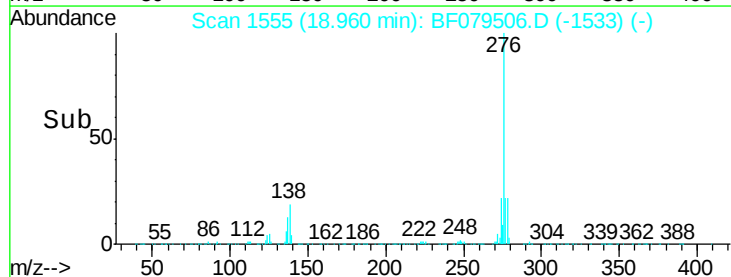
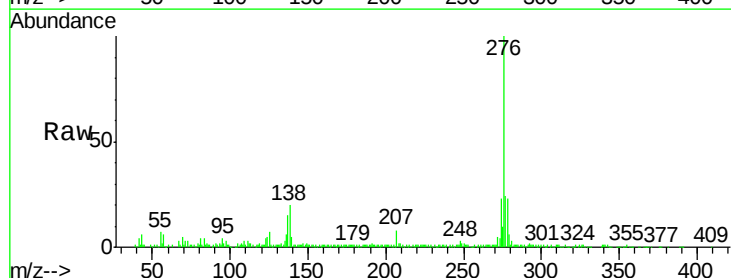
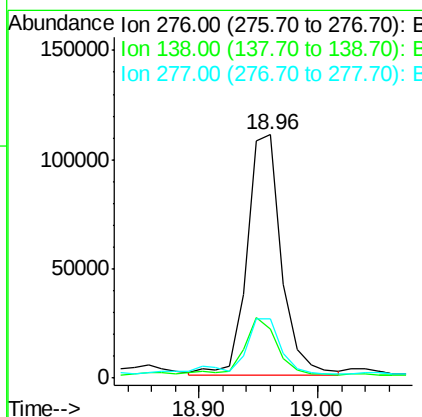
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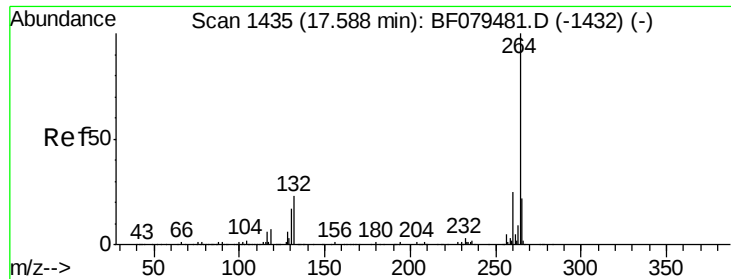
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.55 ng
 RT: 18.96 min Scan# 1555
 Delta R.T. 0.05 min
 Lab File: BF079506.D
 Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	21.4	32.2
277	27.1	19.8	29.6





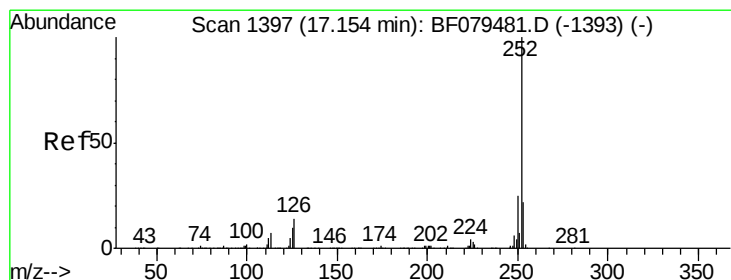
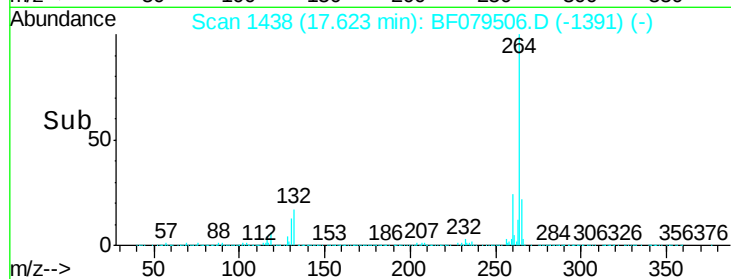
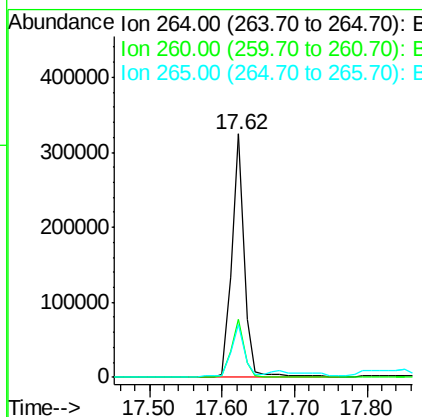
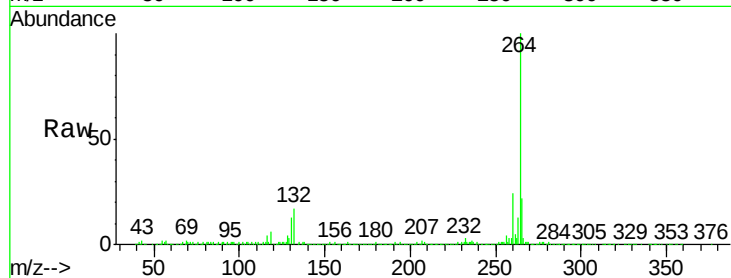
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.62 min Scan# 1438
Delta R.T. 0.03 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Instrument :
BNA_F
ClientSampleId :
SB-29BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.8	29.8
265	21.8	17.8	26.6

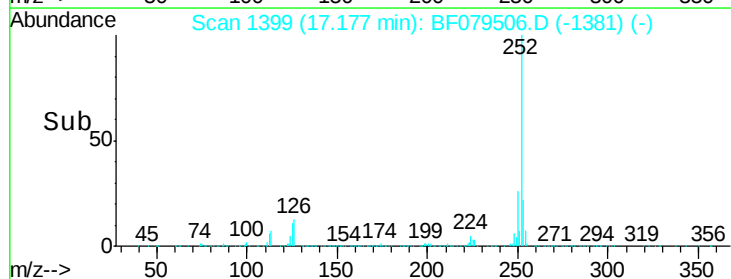
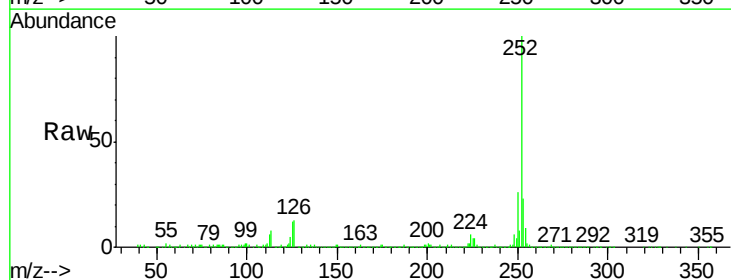
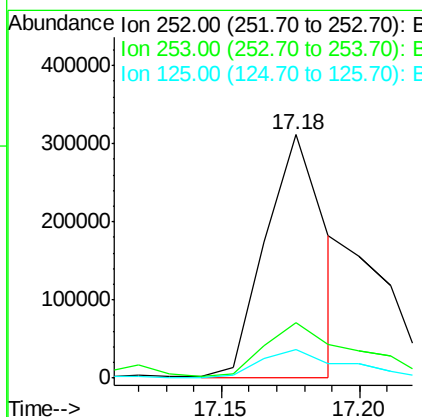
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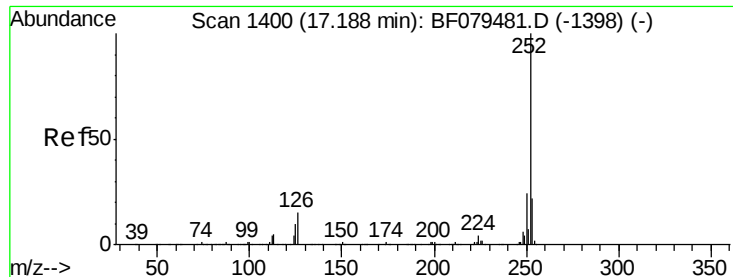
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#87
Benzo(b)fluoranthene
Concen: 21.20 ng m
RT: 17.18 min Scan# 1399
Delta R.T. 0.02 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	11.8	7.8	11.6#





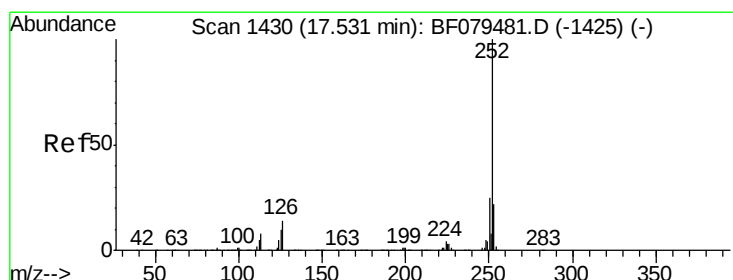
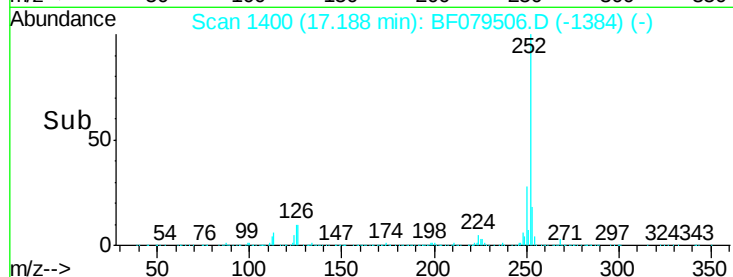
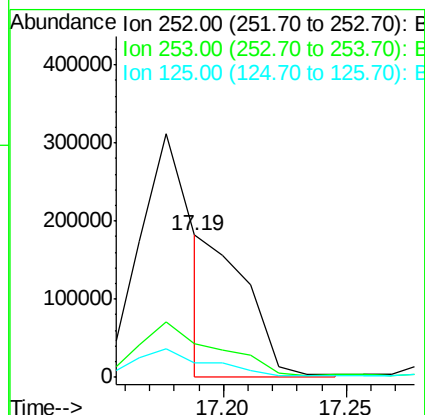
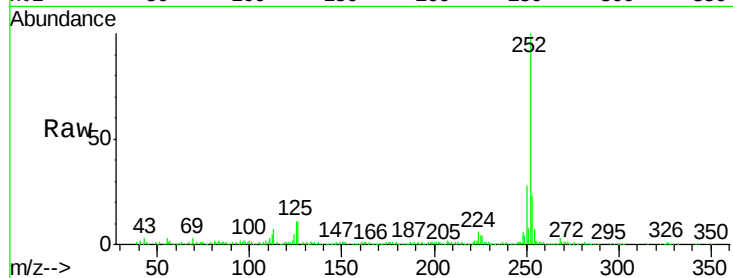
#88
Benzo(k)fluoranthene
Concen: 10.32 ng m
RT: 17.19 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Instrument :
BNA_F
ClientSampleId :
SB-29BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	10.6	6.8	10.2

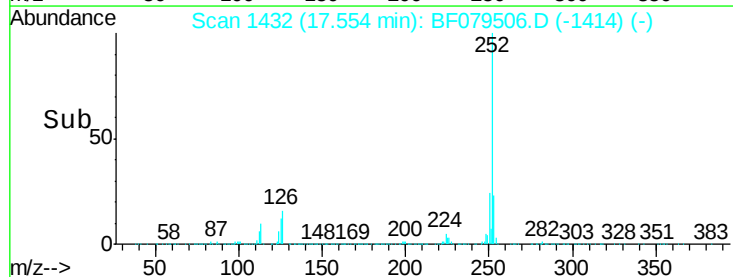
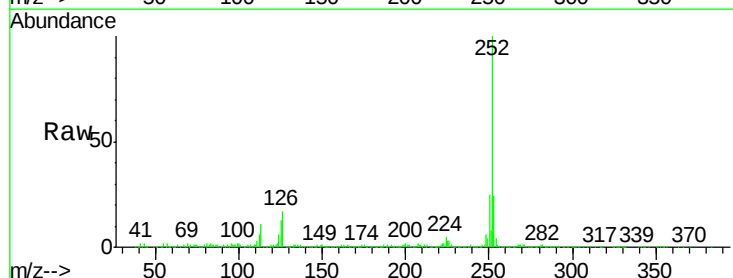
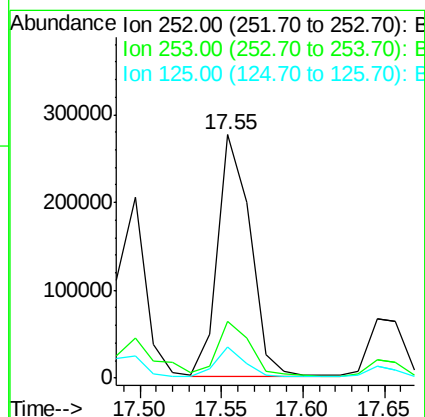
Manual Integrations
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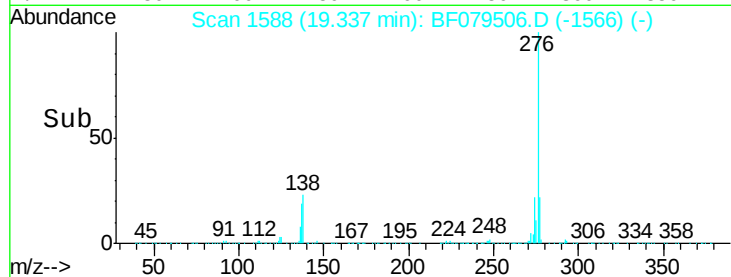
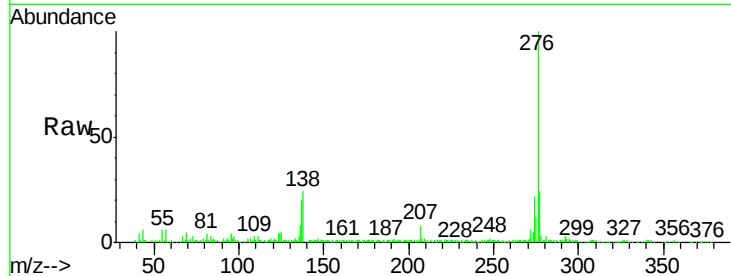
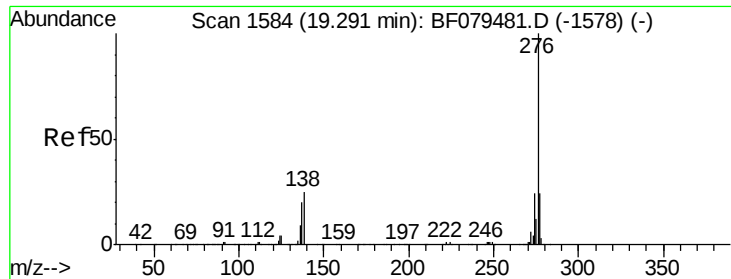
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#89
Benzo(a)pyrene
Concen: 18.54 ng
RT: 17.55 min Scan# 1432
Delta R.T. 0.02 min
Lab File: BF079506.D
Acq: 27 May 2015 6:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.8	7.9	11.9





#91

Benzo(a,h,i)perylene

Concen: 8.72 ng

RT: 19.34 min Scan# 1588

Delta R.T. 0.05 min

Lab File: BF079506.D

Acq: 27 May 2015 6:40

Instrument :

BNA_F

ClientSampleId :

SB-29BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	24.2	20.1	30.1

Manual Integrations
APPROVED

apatel
5/27/2015 2:02:45 PM

