

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079522.D
 Acq On : 27 May 2015 17:03
 Operator : TP/IZ
 Sample : G2359-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

Manual Integrations
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Quant Time: May 28 01:12:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	64277	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	267576	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	133800	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	259212	20.00	ng	0.00
75) Chrysene-d12	15.92	240	260265	20.00	ng	-0.02
86) Perylene-d12	17.83	264	279130	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	470239m	126.89	ng	0.00
7) Phenol-d6	6.59	99	604053	127.88	ng	0.00
23) Nitrobenzene-d5	7.70	82	372208	80.41	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	187398	127.51	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	765192	81.59	ng	0.00
78) Terphenyl-d14	14.58	244	841234	75.86	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.43	163	111488	11.31	ng	99
51) Acenaphthene	10.79	154	22184	2.83	ng	97
57) Fluorene	11.43	166	26296	2.76	ng	99
70) Phenanthrene	12.61	178	357255	25.12	ng	99
71) Anthracene	12.67	178	100803	6.98	ng	99
72) Carbazole	12.89	167	34656	2.49	ng	96
74) Fluoranthene	14.08	202	481138	31.55	ng	94
77) Pyrene	14.37	202	455582	28.25	ng	99
80) Benzo(a)anthracene	15.91	228	263467	17.60	ng	98
82) Chrysene	15.95	228	188120	13.22	ng	98
83) Bis(2-ethylhexyl)phthalate	15.99	149	21626	2.08	ng	99
85) Indeno(1,2,3-cd)pyrene	19.23	276	152326	8.32	ng	94
87) Benzo(b)fluoranthene	17.34	252	315632m	19.83	ng	
88) Benzo(k)fluoranthene	17.37	252	73934m	5.19	ng	
89) Benzo(a)pyrene	17.76	252	230155	15.21	ng	99
91) Benzo(g,h,i)perylene	19.62	276	146908	8.06	ng	98

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

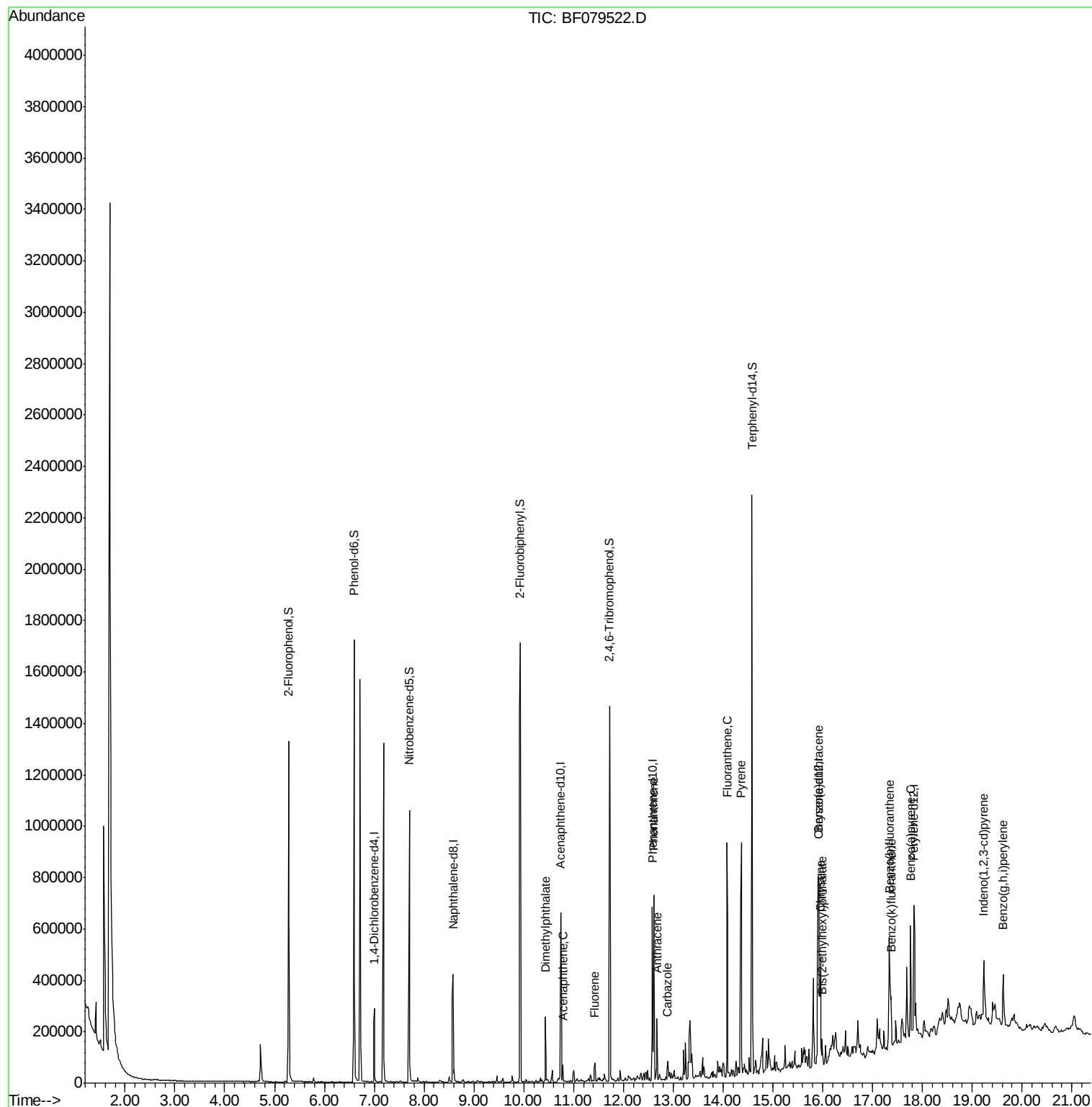
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
Data File : BF079522.D
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ALS Vial : 6 Sample Multiplier: 1

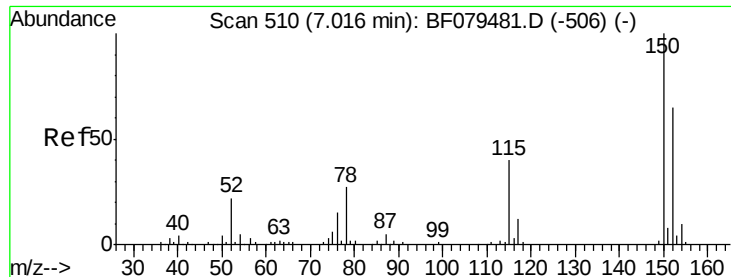
Instrument :
BNA_F
ClientSampled :
SB-31AS

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Quant Time: May 28 01:12:47 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

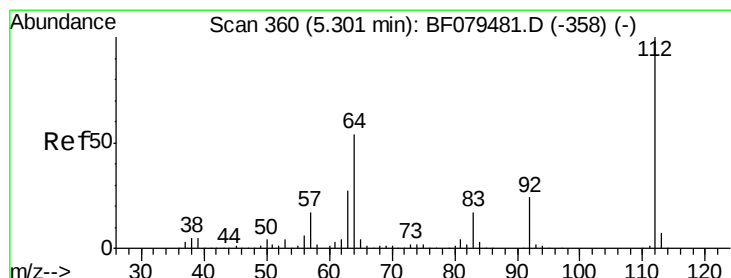
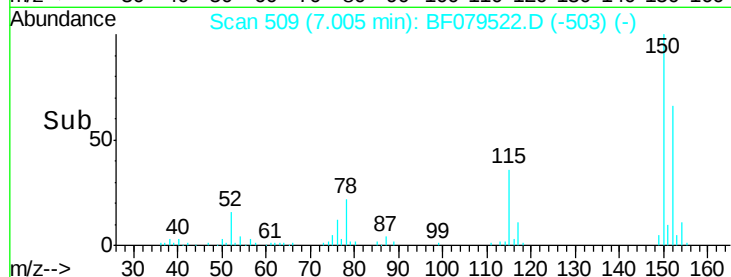
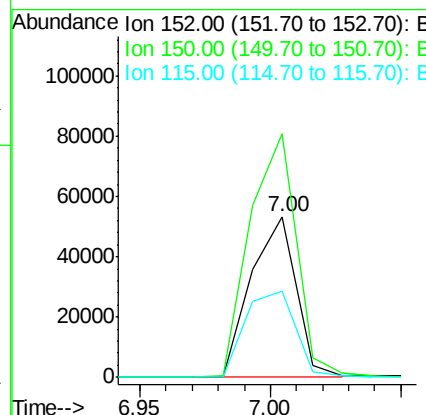
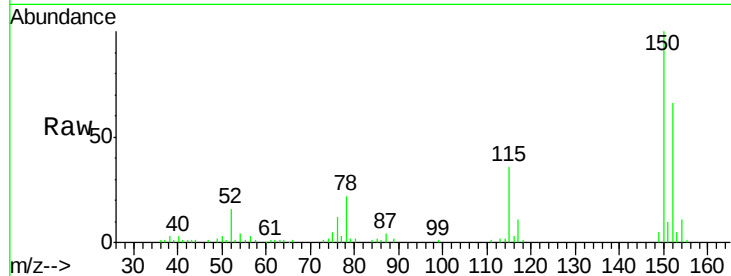
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Instrument :
BNA_F
ClientSampleId :
SB-31AS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.0	186.0
115	53.9	49.6	74.4

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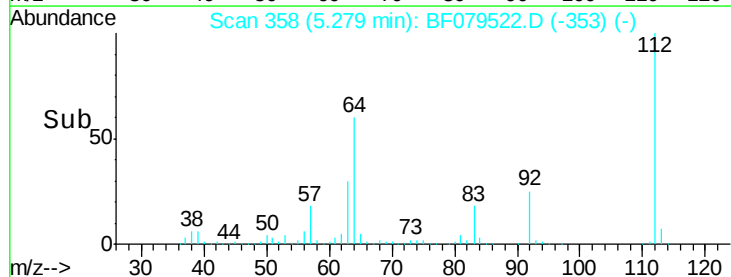
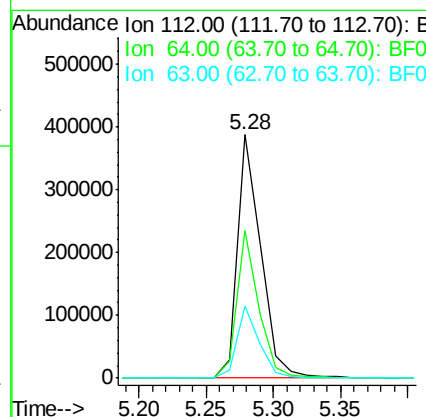
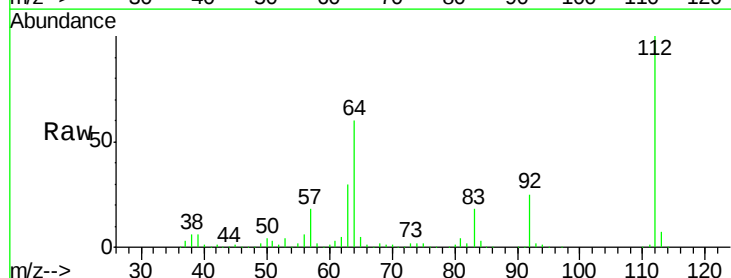
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#5

2-Fluorophenol
Concen: 126.89 ng m
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	43.5	65.3
63	29.7	21.8	32.8





#7

Phenol-d6

Concen: 127.88 ng

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

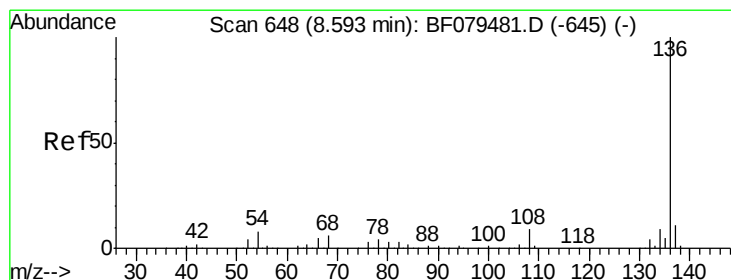
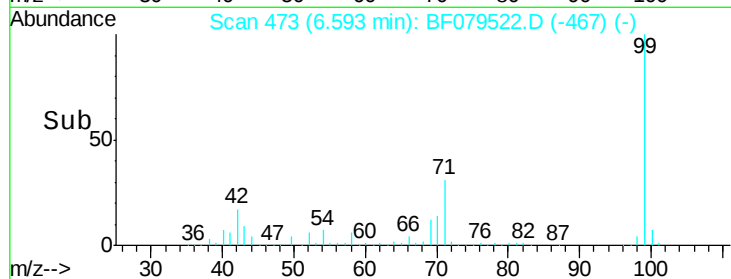
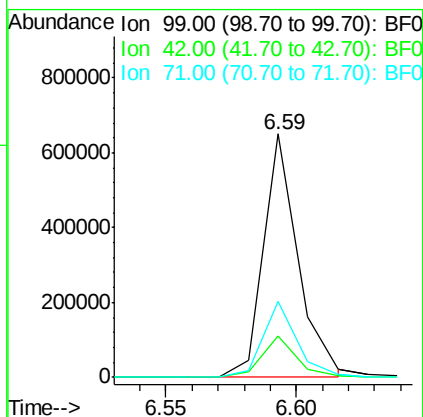
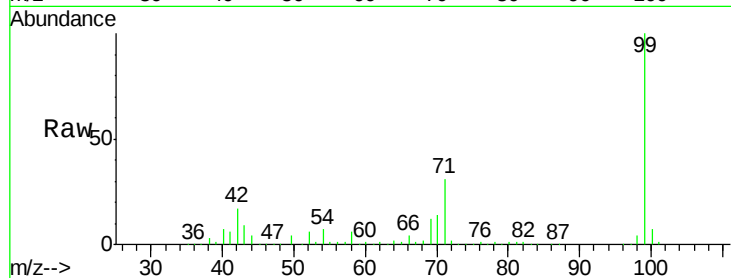
ClientSampleId :

SB-31AS

Tgt Ion:	99	Resp:	604053
Ion Ratio	Lower	Upper	
99	100		
42	17.2	11.9	17.9
71	31.0	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

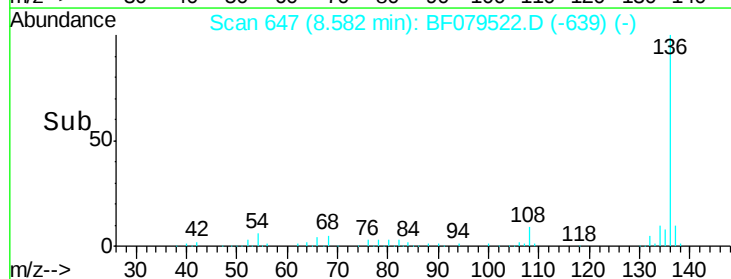
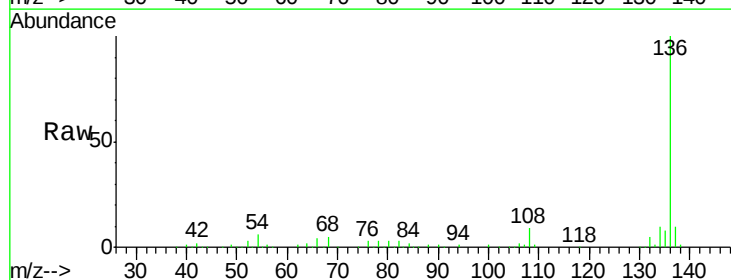
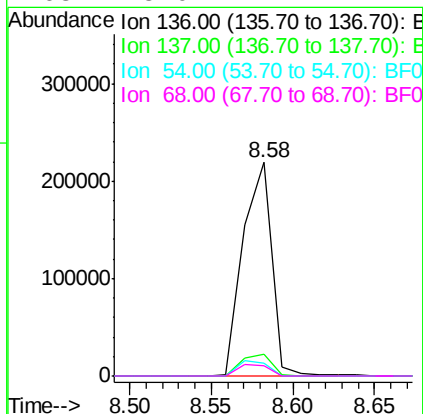
RT: 8.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Tgt Ion:	136	Resp:	267576
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	5.9	6.6	9.8
68	5.0	4.7	7.1





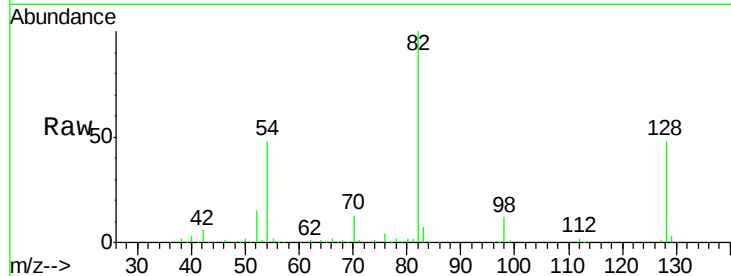
#23
 Nitrobenzene-d5
 Concen: 80.41 ng
 RT: 7.70 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

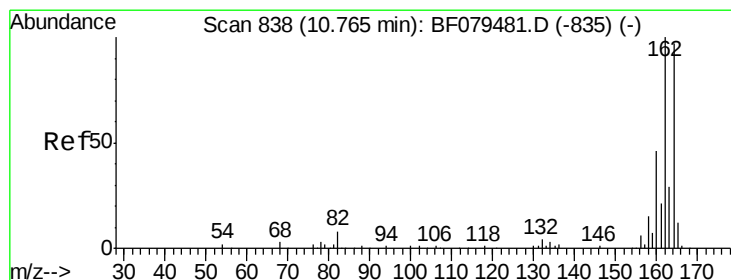
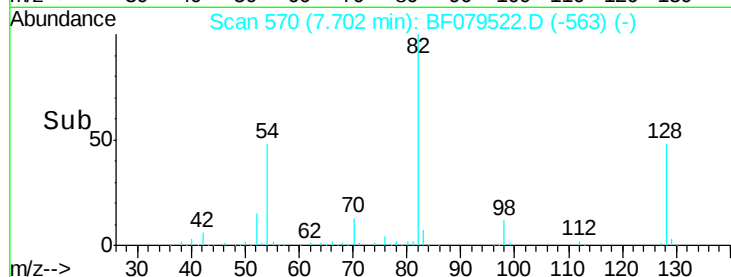
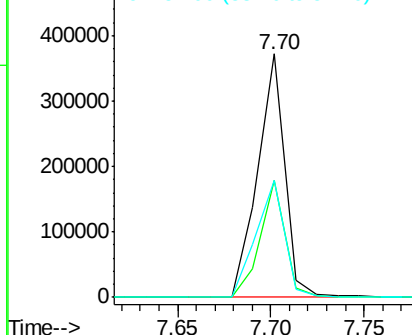
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	372208		
128	48.0	30.8	46.2#	
54	47.9	42.8	64.2	

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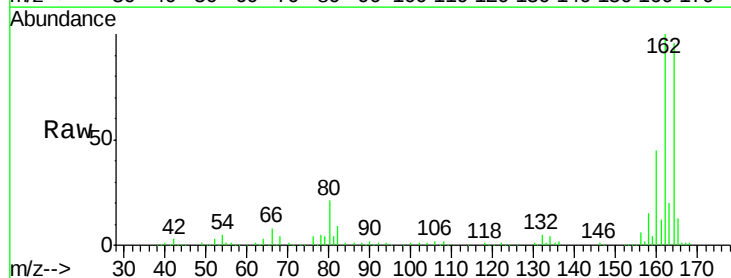


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

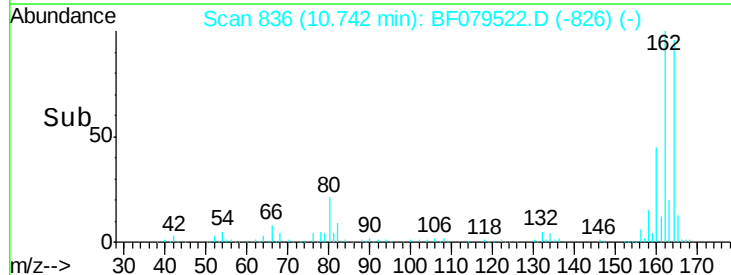
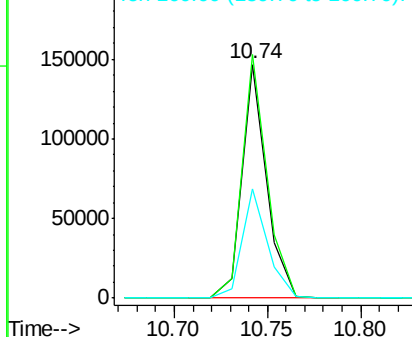


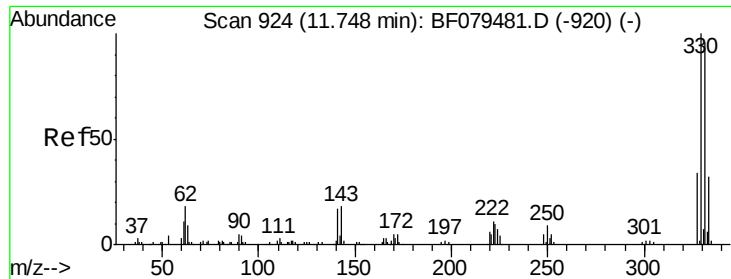
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133800		
162	104.2	82.6	124.0	
160	46.7	37.7	56.5	



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





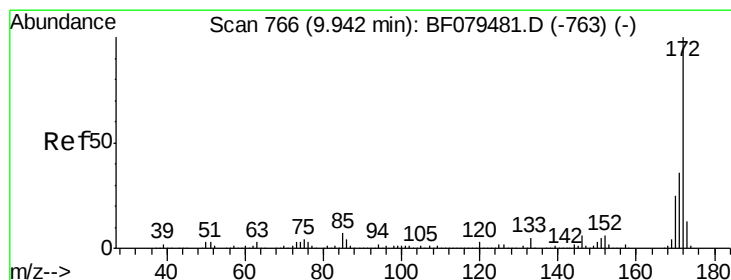
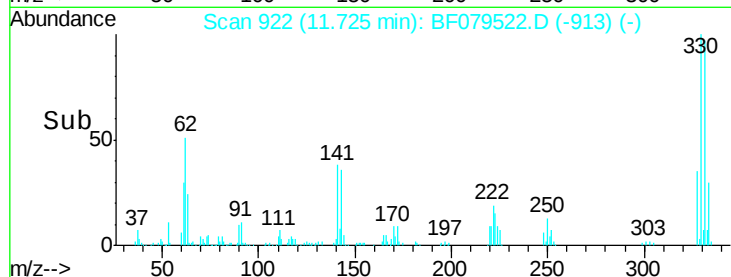
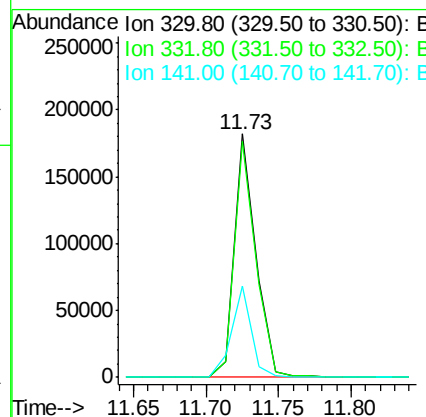
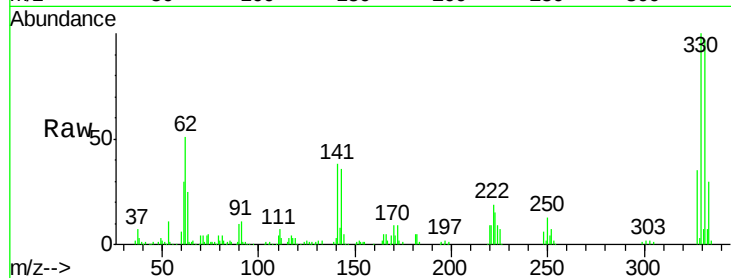
#41
 2,4,6-Tribromophenol
 Concen: 127.51 ng
 RT: 11.73 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampleID :
 SB-31AS

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.0	0.0	0.0#
141	34.8	0.0	0.0#

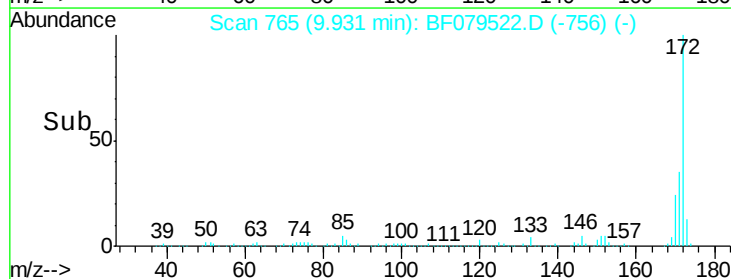
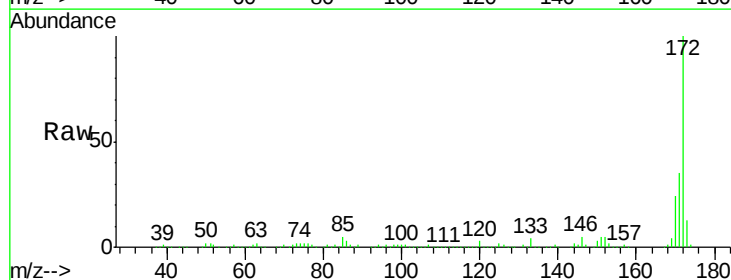
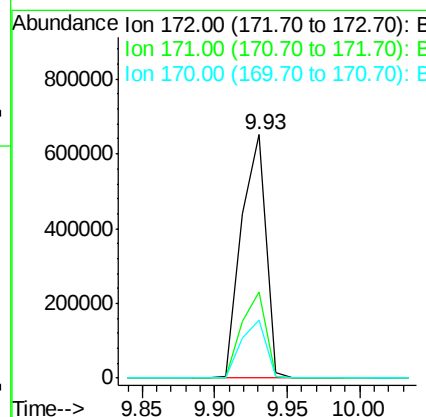
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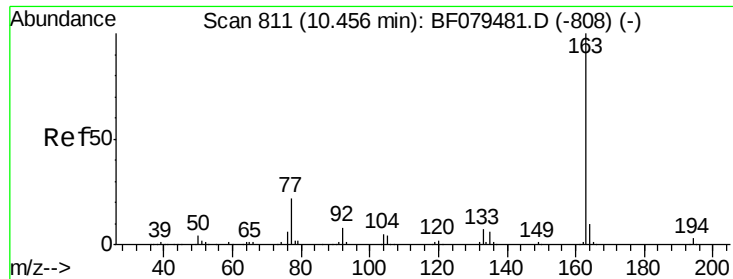
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#44
 2-Fluorobiphenyl
 Concen: 81.59 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.3	28.5	42.7
170	23.7	19.7	29.5





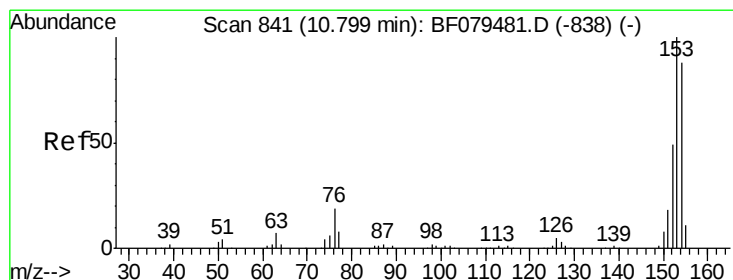
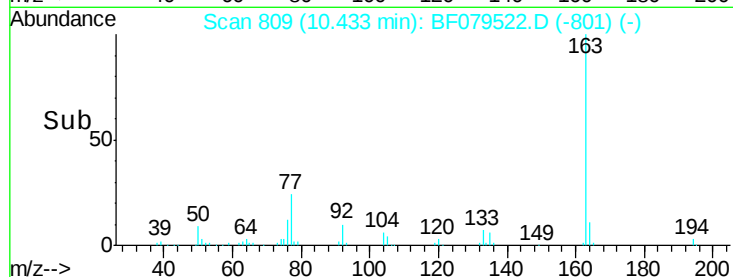
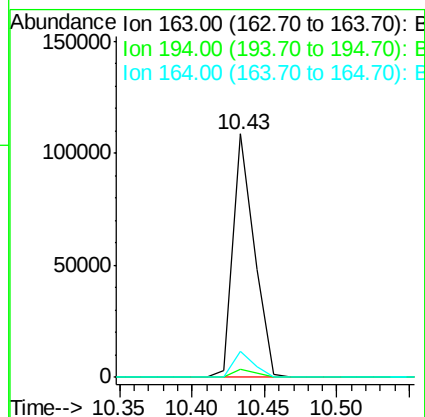
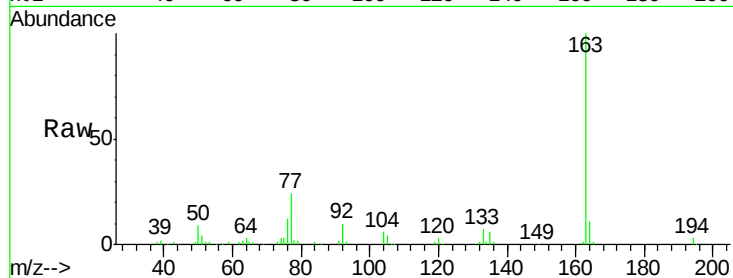
#49
Dimethylphthalate
Concen: 11.31 ng
RT: 10.43 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Instrument :
BNA_F
ClientSampleId :
SB-31AS

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.4	3.6
164	10.6	8.2	12.4

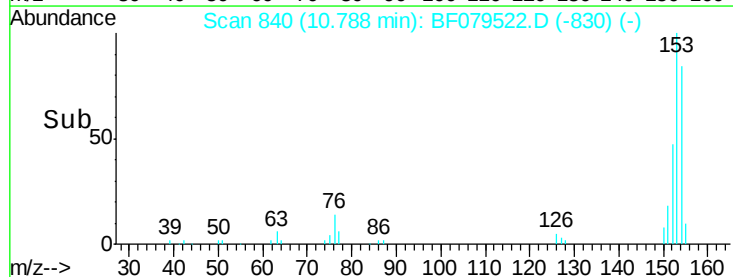
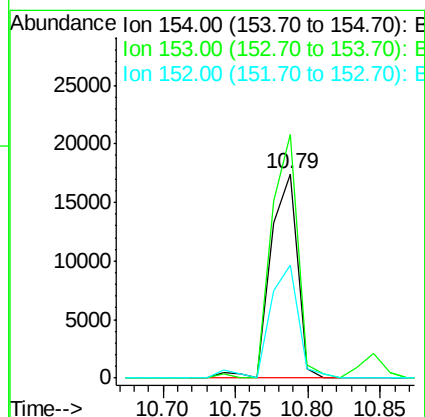
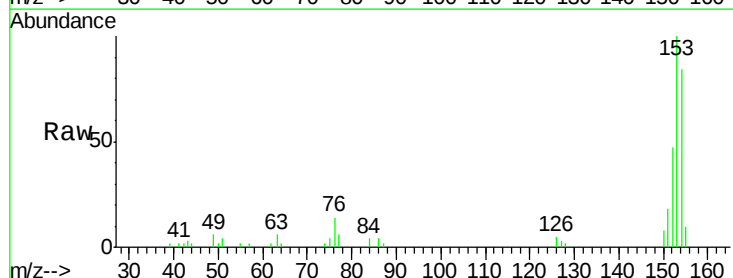
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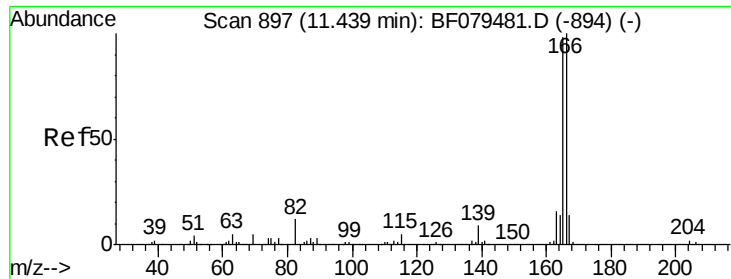
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#51
Acenaphthene
Concen: 2.83 ng
RT: 10.79 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	119.1	91.1	136.7
152	55.5	44.6	66.8





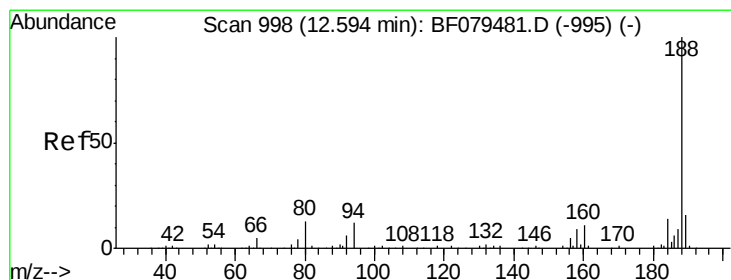
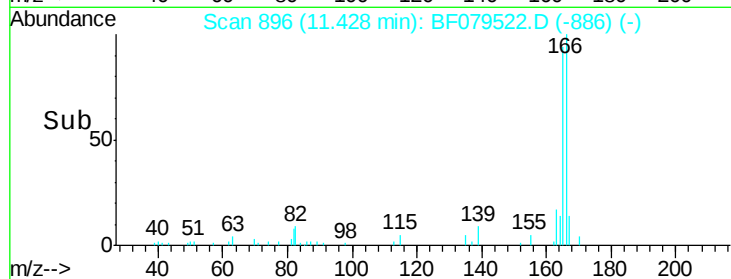
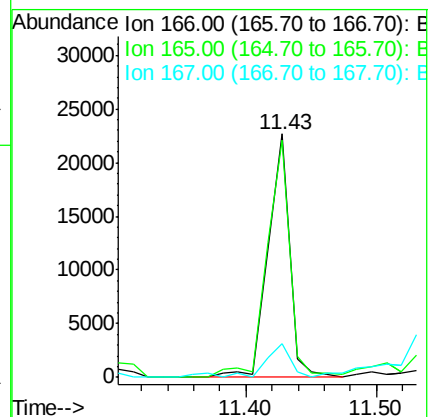
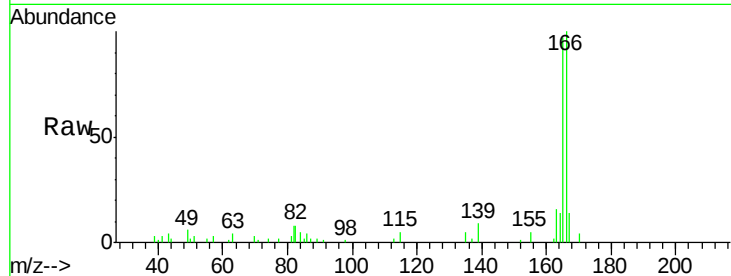
#57
Fluorene
 Concen: 2.76 ng
 RT: 11.43 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.6	117.8
167	14.0	10.8	16.2

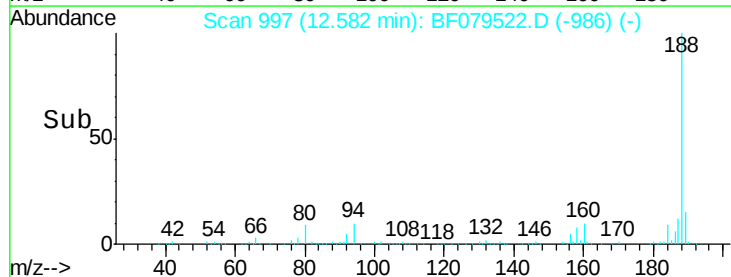
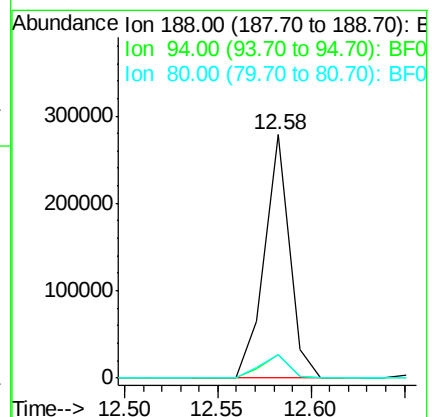
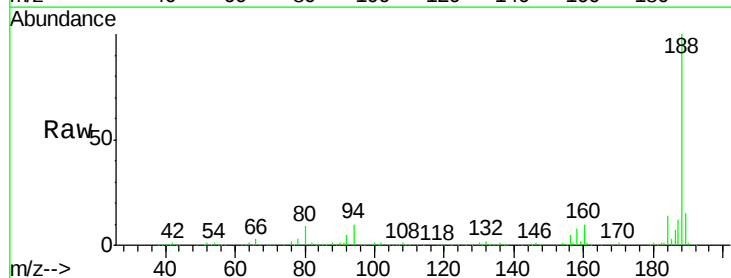
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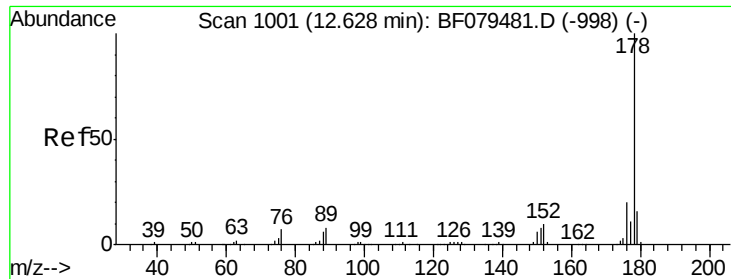
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.8	14.6
80	9.4	10.5	15.7#





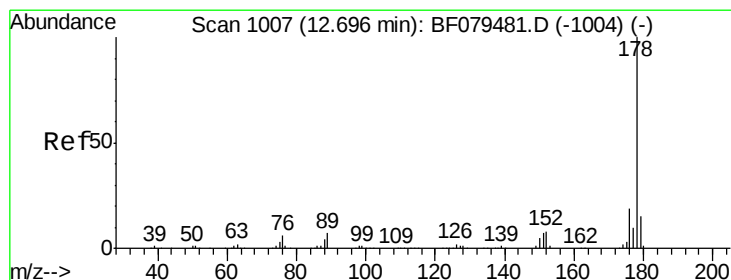
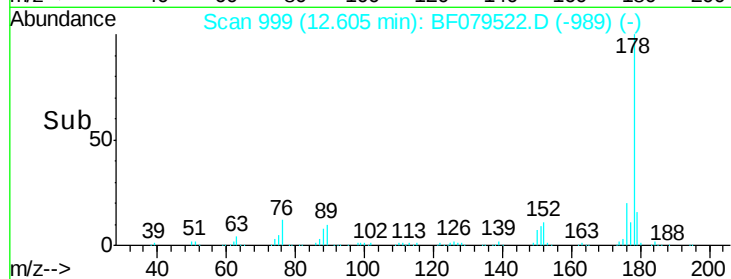
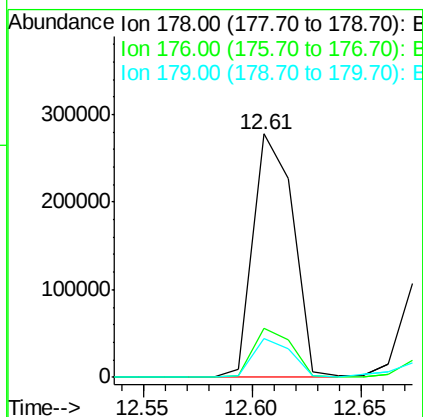
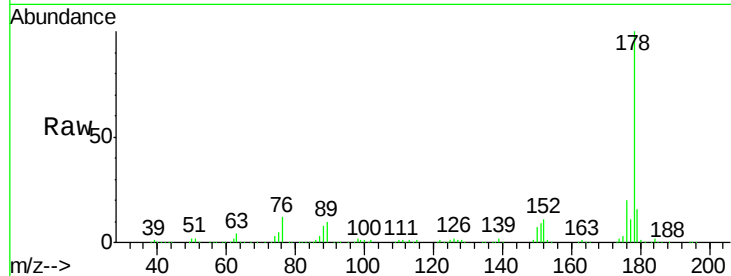
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Phenanthrene
Concen: 25.12 ng
RT: 12.61 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Instrument :
BNA_F
ClientSampleId :
SB-31AS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.7	23.5
179	15.7	12.4	18.6

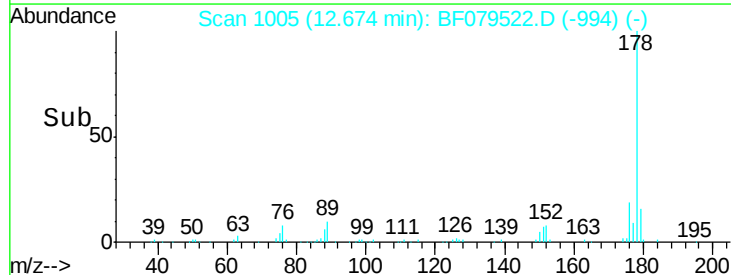
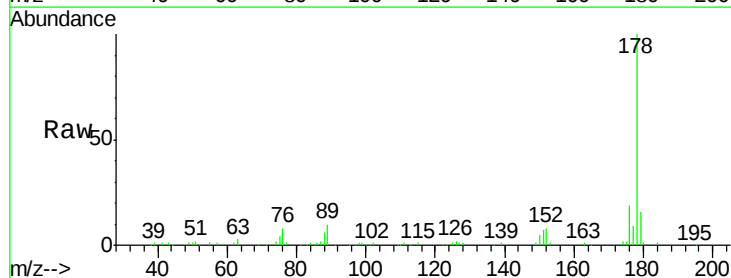
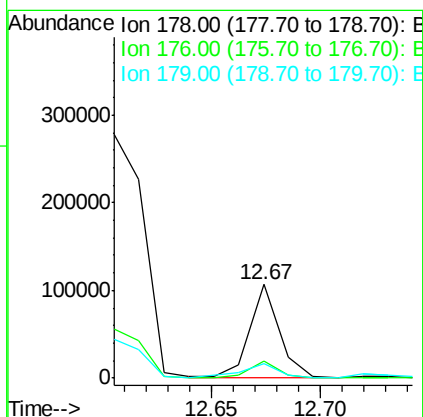
Manual Integrations
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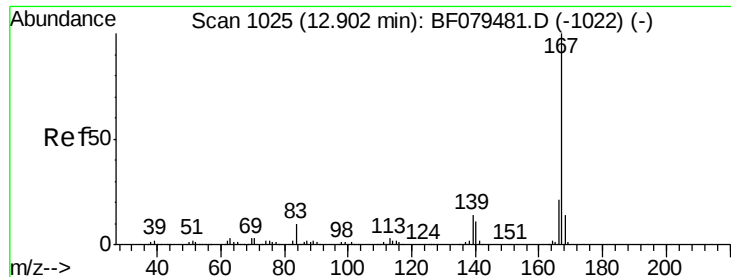
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#71
Anthracene
Concen: 6.98 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.8	12.2	18.4





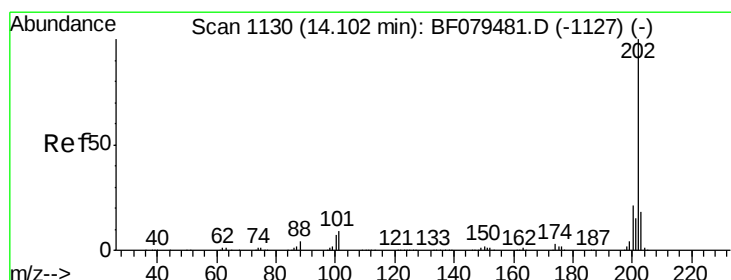
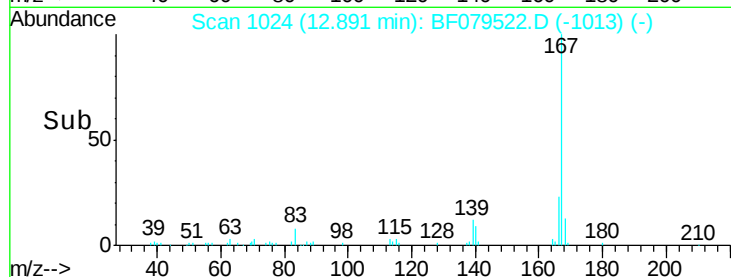
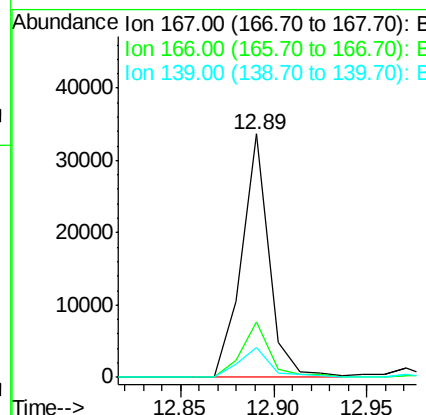
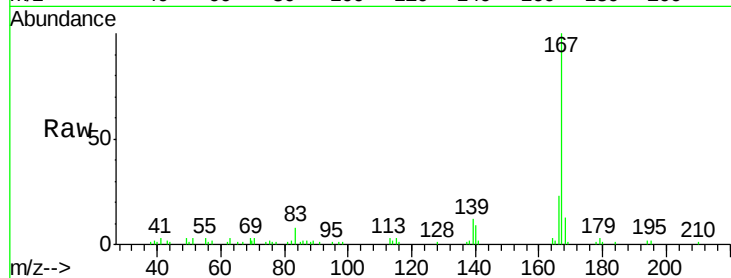
#72
 Carbazole
 Concen: 2.49 ng
 RT: 12.89 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.4
139	12.4	11.2	16.8

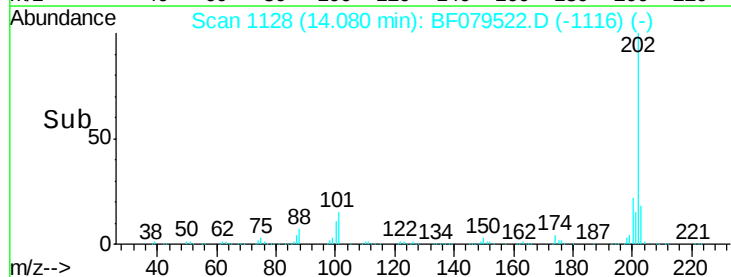
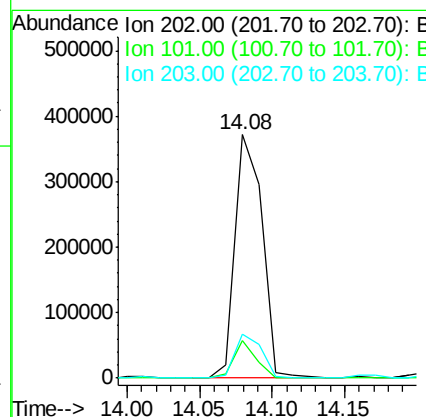
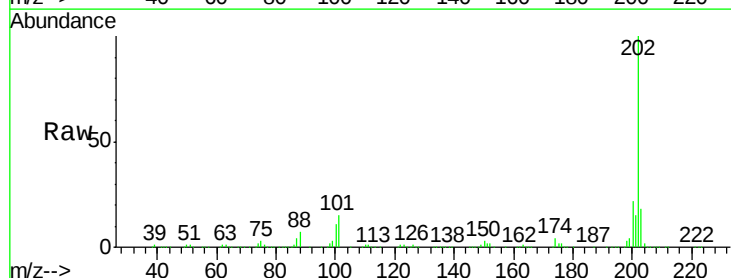
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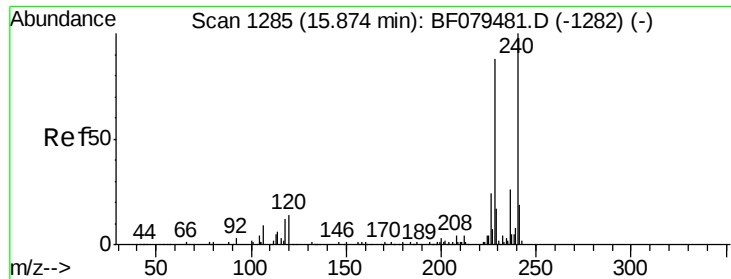
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#74
 Fluoranthene
 Concen: 31.55 ng
 RT: 14.08 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	29.3
203	18.1	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.92 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

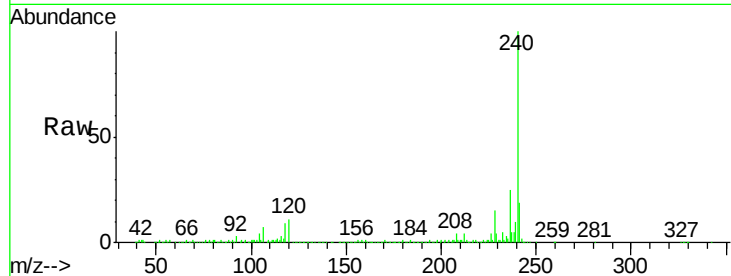
ClientSampleId :

SB-31AS

Tgt Ion:	240	Resp:	260265
Ion Ratio		Lower	Upper
240	100		
120	11.1	10.8	16.2
236	25.0	21.0	31.6

Manual Integrations
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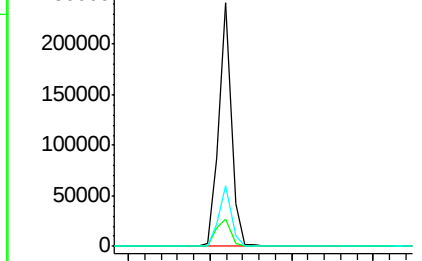
apatel
5/28/2015 12:03:30 PM



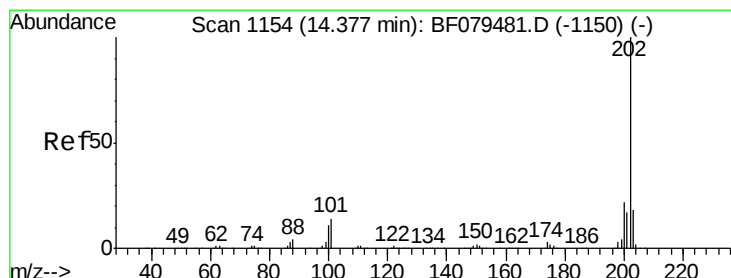
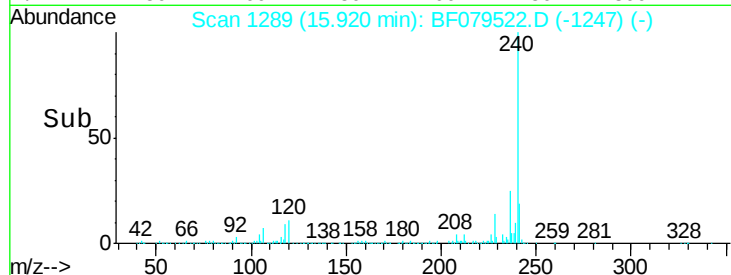
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 28.25 ng

RT: 14.37 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF079522.D

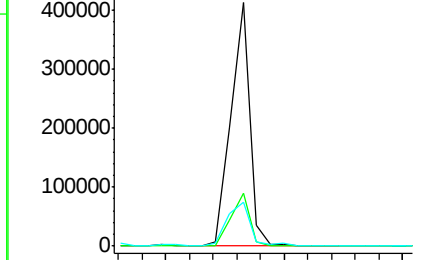
Acq: 27 May 2015 17:03

Tgt Ion:	202	Resp:	455582
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.5	26.3
203	18.0	14.4	21.6

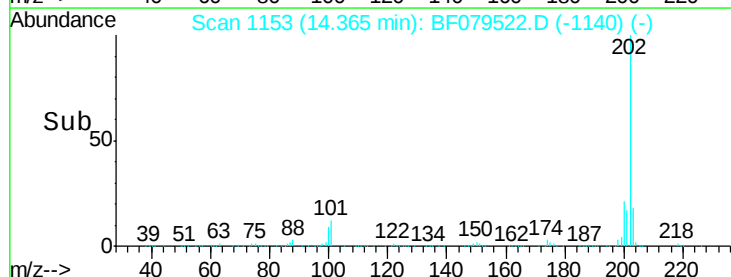
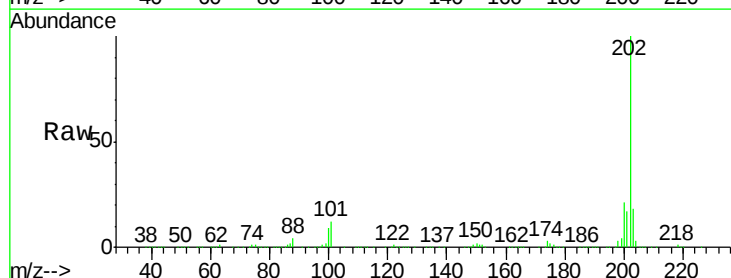
Abundance Ion 202.00 (201.70 to 202.70): E

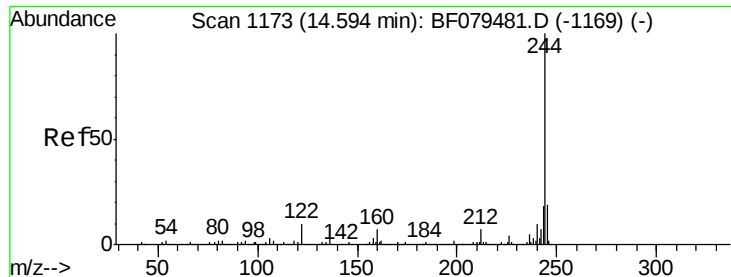
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





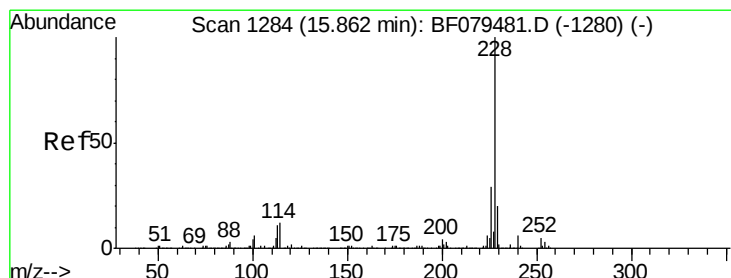
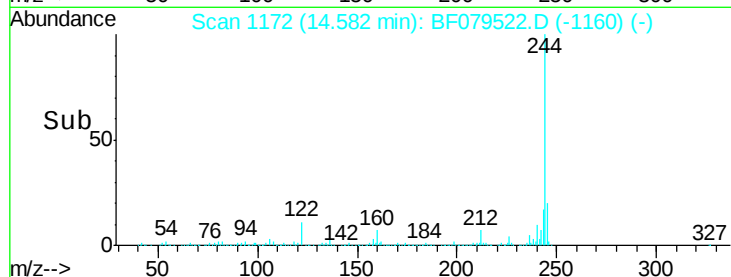
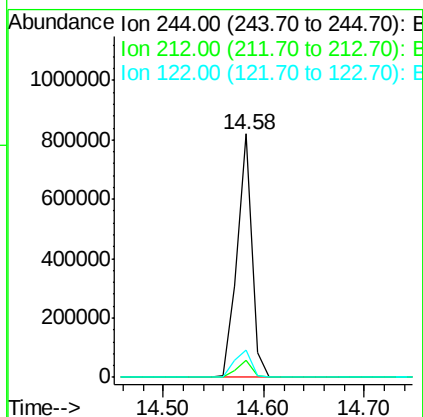
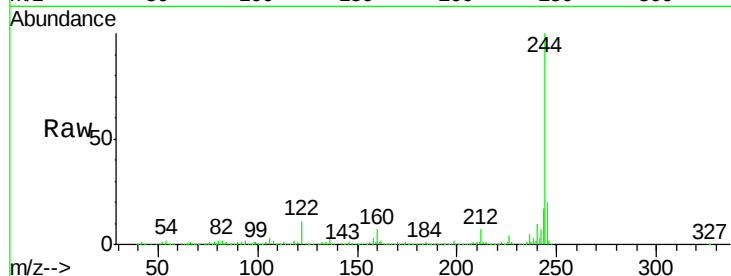
#78
 Terphenyl-d14
 Concen: 75.86 ng
 RT: 14.58 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampled :
 SB-31AS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.2	7.8
122	11.3	8.0	12.0

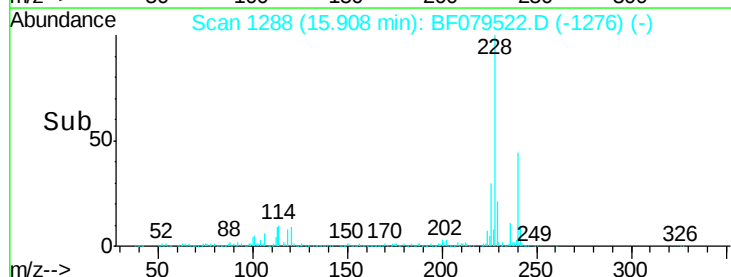
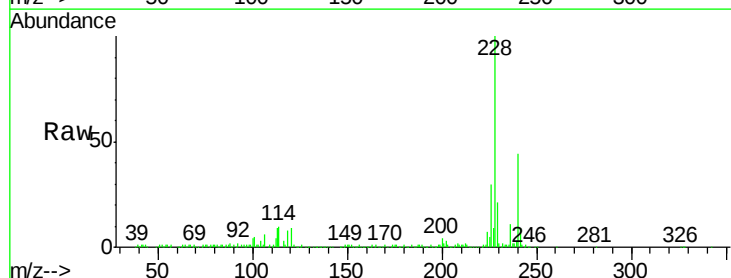
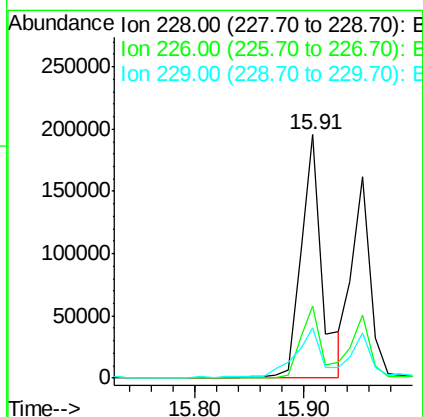
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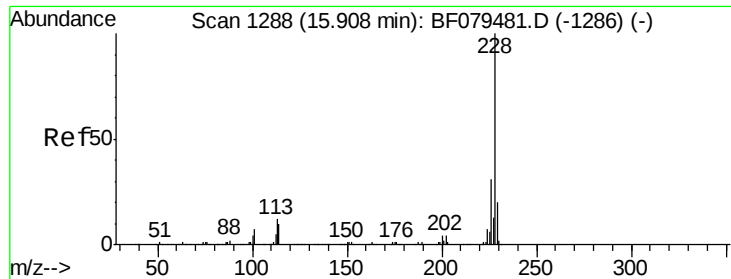
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#80
 Benzo(a)anthracene
 Concen: 17.60 ng
 RT: 15.91 min Scan# 1288
 Delta R.T. -0.02 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.8	34.2
229	20.8	15.9	23.9





#82

Chrysene

Concen: 13.22 ng

RT: 15.95 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

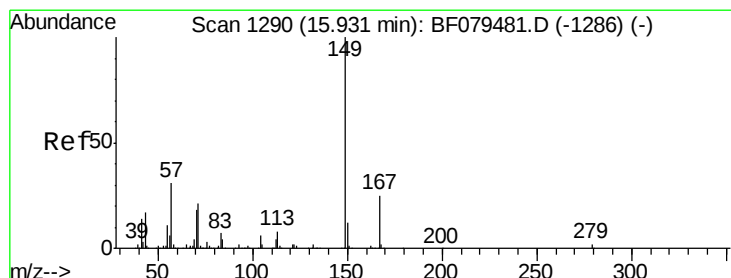
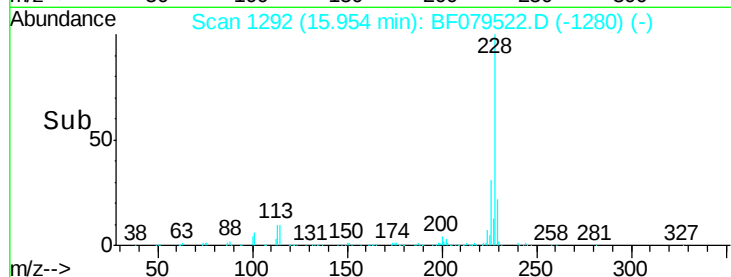
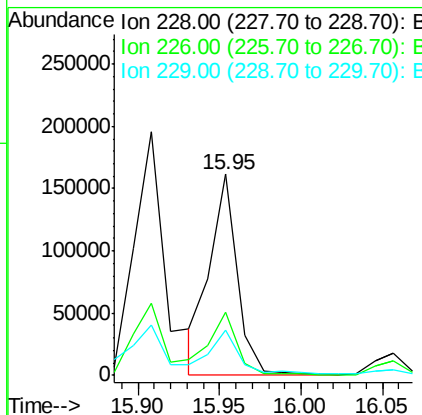
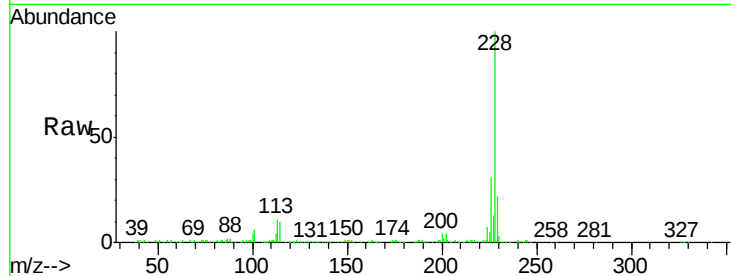
ClientSampled :

SB-31AS

Tgt Ion:	228	Resp:	188120
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.4
229	22.2	15.9	23.9

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.08 ng

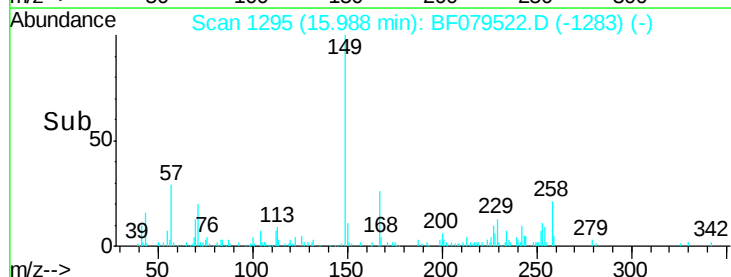
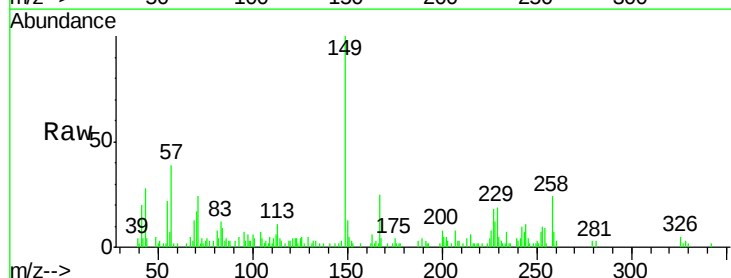
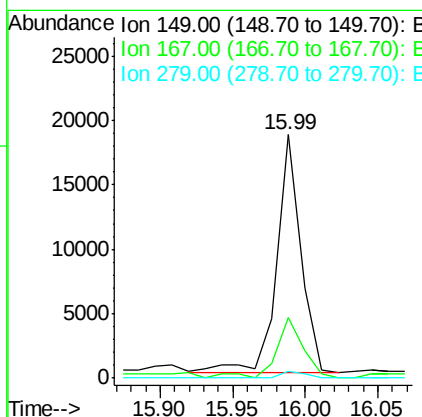
RT: 15.99 min Scan# 1295

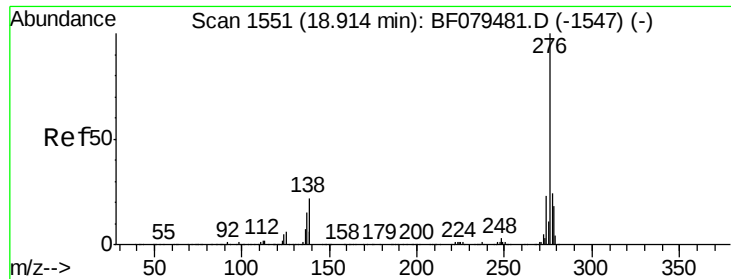
Delta R.T. -0.03 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Tgt Ion:	149	Resp:	21626
Ion Ratio	Lower	Upper	
149	100		
167	24.8	20.2	30.4
279	2.8	2.0	3.0





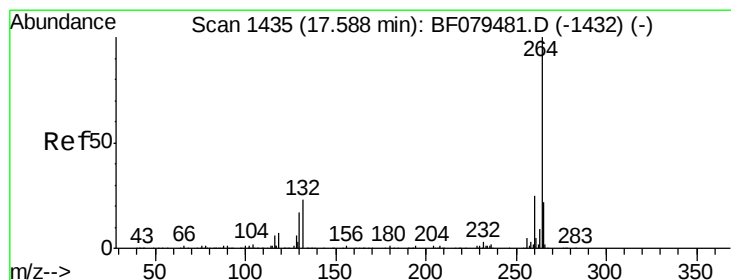
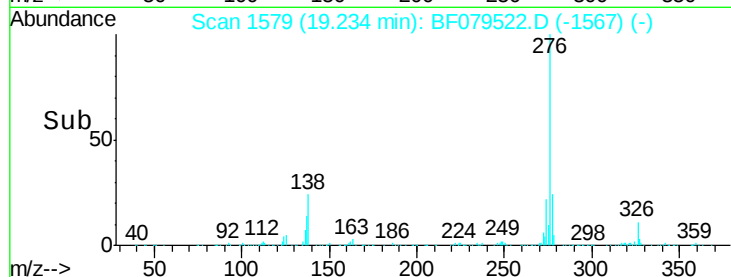
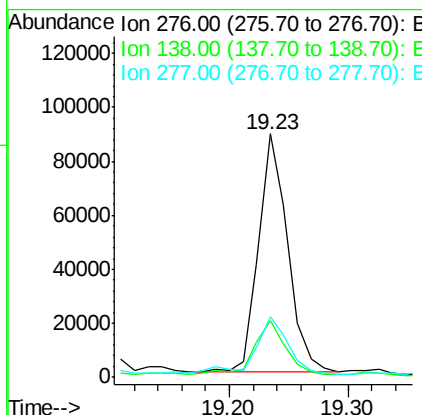
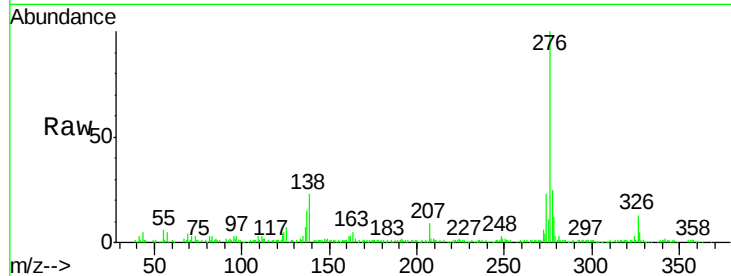
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.32 ng
 RT: 19.23 min Scan# 1579
 Delta R.T. -0.07 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-31AS

Tgt Ion:	276	Resp:	152326
Ion Ratio	Lower	Upper	
276	100		
138	24.7	21.4	32.2
277	28.5	19.8	29.6

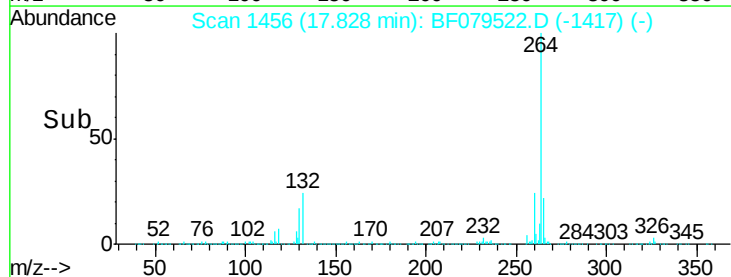
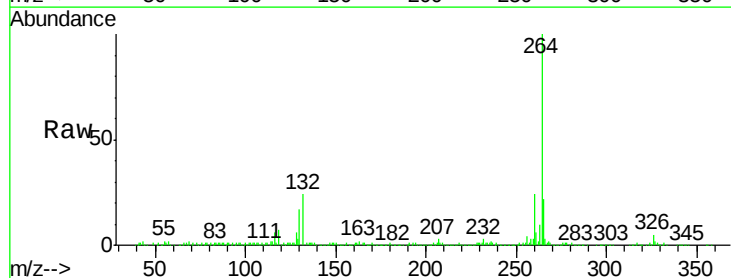
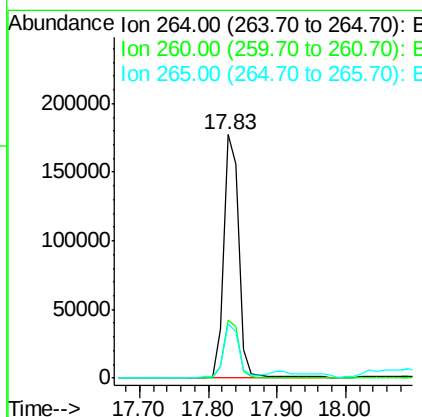
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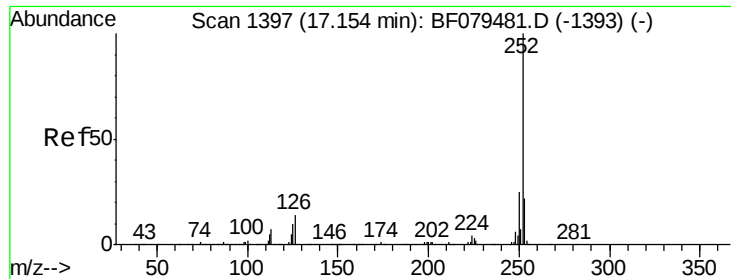
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.83 min Scan# 1456
 Delta R.T. -0.06 min
 Lab File: BF079522.D
 Acq: 27 May 2015 17:03

Tgt Ion:	264	Resp:	279130
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.8	29.8
265	22.0	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 19.83 ng m

RT: 17.34 min Scan# 1413

Delta R.T. -0.05 min

Lab File: BF079522.D

Acq: 27 May 2015 17:03

Instrument :

BNA_F

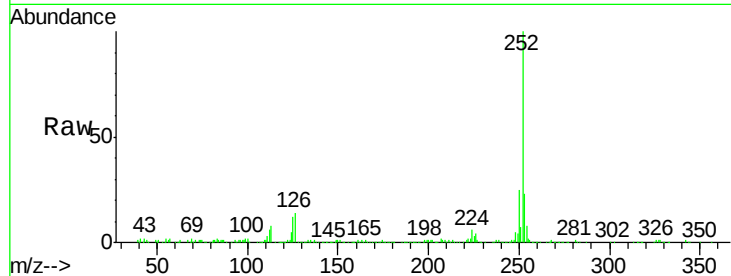
ClientSampleId :

SB-31AS

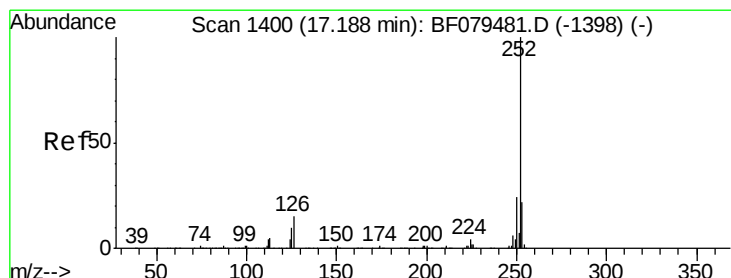
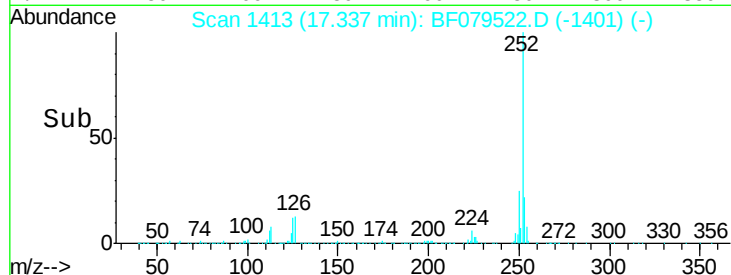
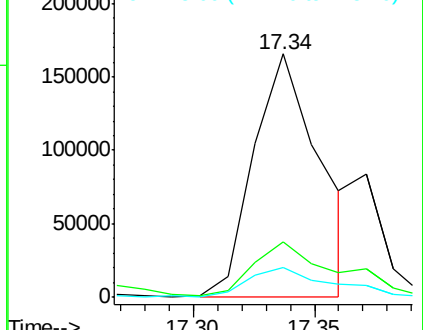
Tgt Ion:	252	Resp:	315632
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.6	26.4
125	12.0	7.8	11.6

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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: 5.19 ng m

RT: 17.37 min Scan# 1416

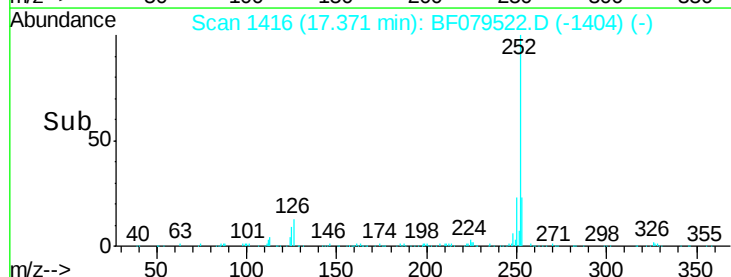
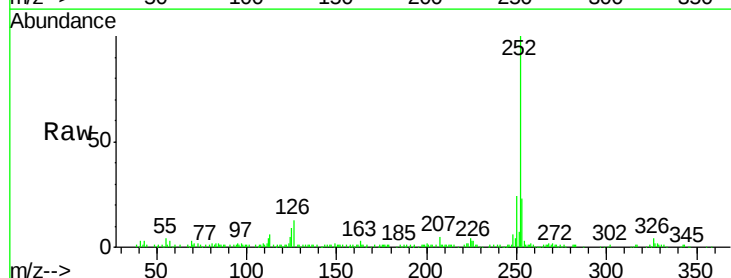
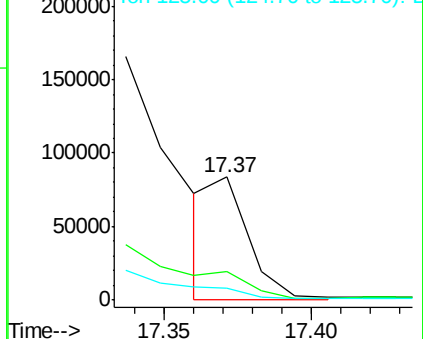
Delta R.T. -0.05 min

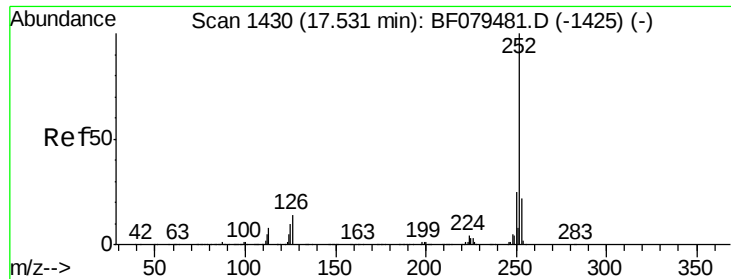
Lab File: BF079522.D

Acq: 27 May 2015 17:03

Tgt Ion:	252	Resp:	73934
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.2	25.8
125	9.4	6.8	10.2

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





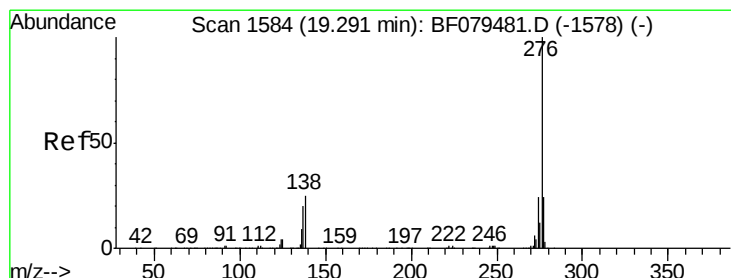
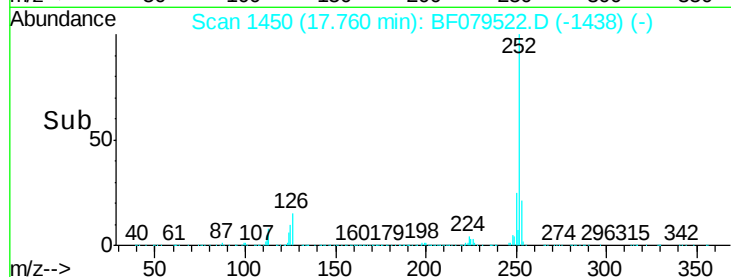
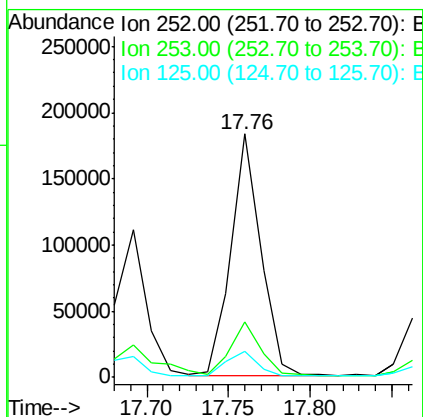
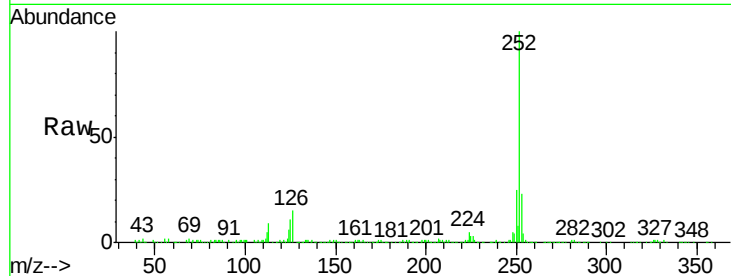
#89
Benzo(a)pyrene
Concen: 15.21 ng
RT: 17.76 min Scan# 1450
Delta R.T. -0.05 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Instrument :
BNA_F
ClientSampleId :
SB-31AS

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.8	26.8
125	10.8	7.9	11.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.06 ng
RT: 19.62 min Scan# 1613
Delta R.T. -0.07 min
Lab File: BF079522.D
Acq: 27 May 2015 17:03

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.9	19.1	28.7
138	24.5	20.1	30.1

