

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052915\
 Data File : BF079583.D
 Acq On : 30 May 2015 4:13
 Operator : TP/IZ
 Sample : G2408-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23D

Manual Integrations
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Quant Time: May 30 05:02:04 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 23:13:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	92092	20.00	ng	0.00
21) Naphthalene-d8	8.52	136	378034	20.00	ng	-0.01
38) Acenaphthene-d10	10.70	164	193625	20.00	ng	0.00
63) Phenanthrene-d10	12.53	188	344573	20.00	ng	0.00
75) Chrysene-d12	15.79	240	299855	20.00	ng	-0.08
86) Perylene-d12	17.47	264	296933m	20.00	ng	-0.33
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	533312	100.44	ng	-0.01
7) Phenol-d6	6.55	99	716005	105.80	ng	0.00
23) Nitrobenzene-d5	7.66	82	401337	61.37	ng	0.00
41) 2,4,6-Tribromophenol	11.67	330	209083	98.31	ng	-0.01
44) 2-Fluorobiphenyl	9.87	172	825742	60.84	ng	-0.01
78) Terphenyl-d14	14.51	244	796856	62.37	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.55	128	75584	4.17	ng	99
37) 2-Methylnaphthalene	9.42	142	35754	2.84	ng	95
49) Dimethylphthalate	10.39	163	163599	11.47	ng	99
51) Acenaphthene	10.73	154	39179	3.46	ng	100
57) Fluorene	11.37	166	39913	2.90	ng	97
70) Phenanthrene	12.55	178	182067	9.63	ng	100
71) Anthracene	12.62	178	54192	2.82	ng	100
74) Fluoranthene	14.02	202	100824	4.97	ng	98
77) Pyrene	14.30	202	110338	5.94	ng	97
80) Benzo(a)anthracene	15.78	228	52686m	3.05	ng	
82) Chrysene	15.83	228	41515	2.53	ng	99
87) Benzo(b)fluoranthene	17.05	252	53626m	3.17	ng	

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

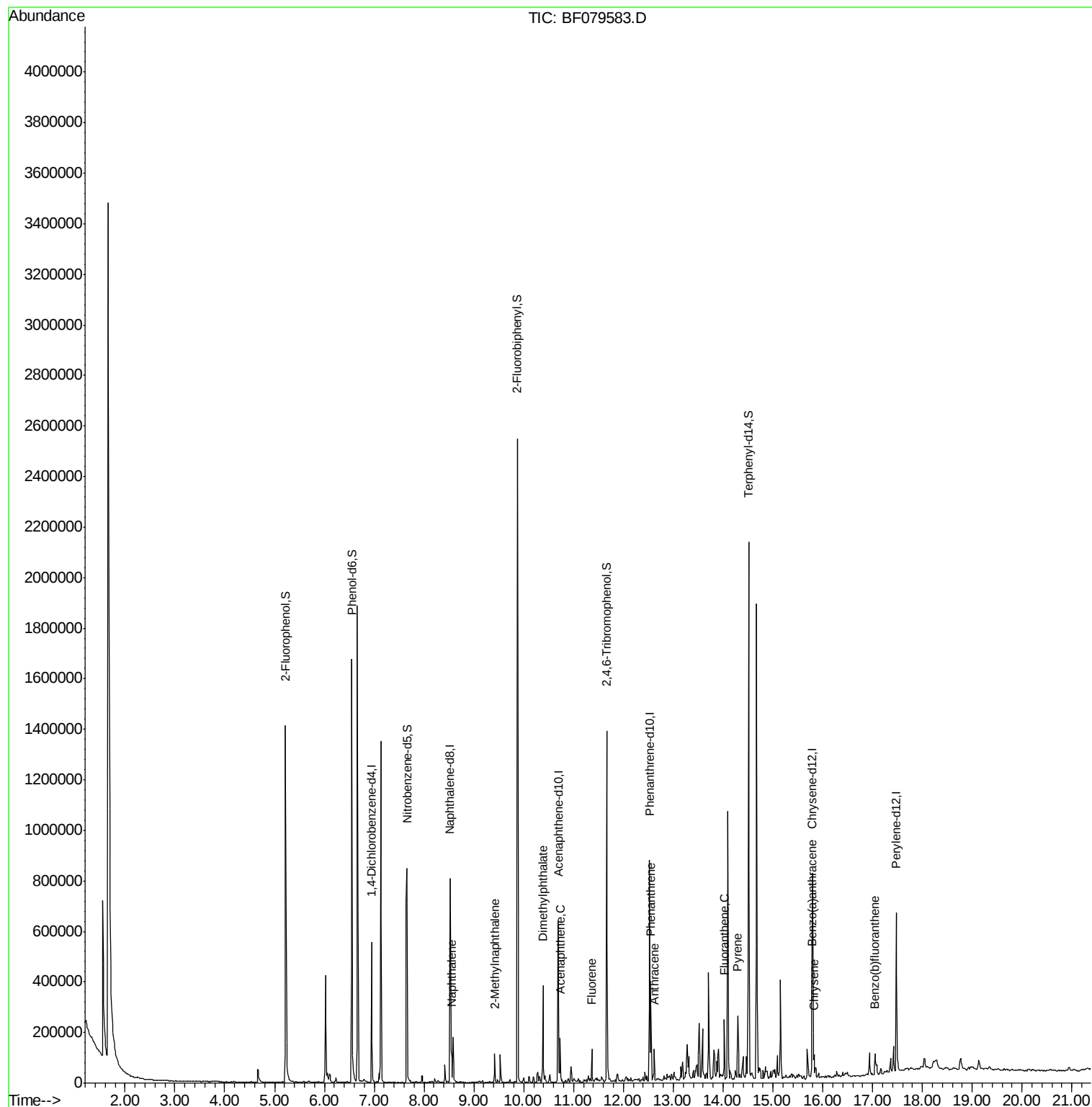
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052915\
Data File : BF079583.D
Acq On : 30 May 2015 4:13
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QLast Update : Fri May 29 23:13:06 2015
Response via : Initial Calibration





#1

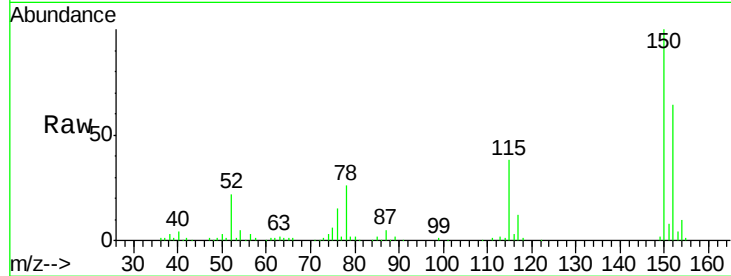
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 504
Delta R.T. -0.00 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Instrument :
BNA_F
ClientSampled :
SB-23D

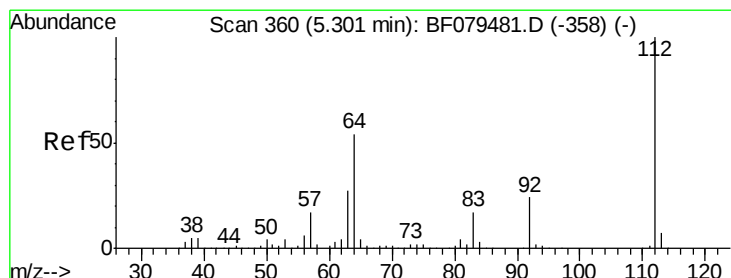
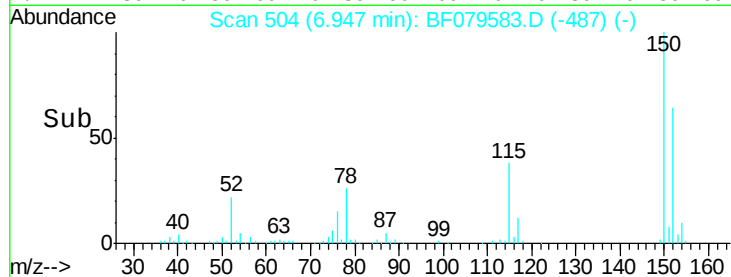
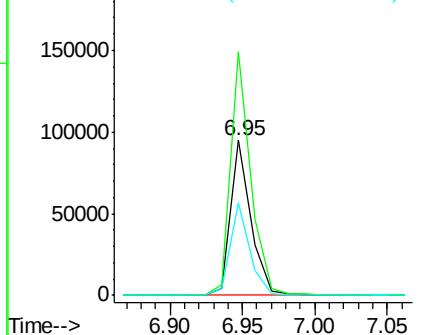
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.0	186.0
115	59.8	49.6	74.4

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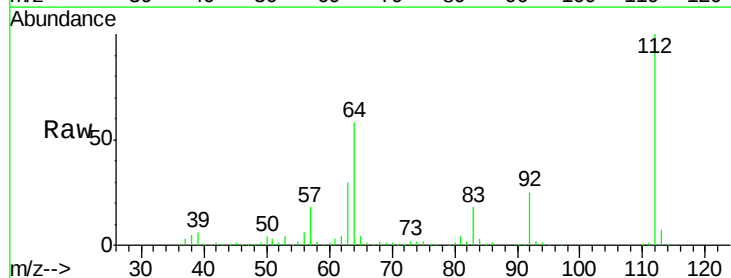
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



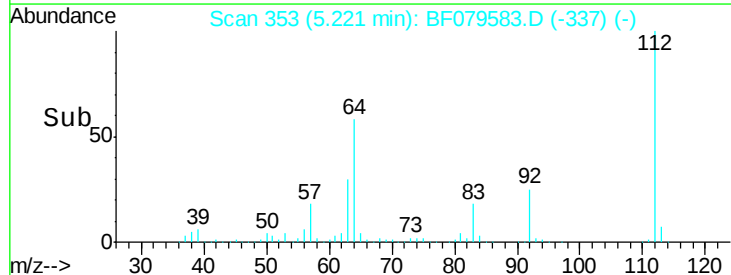
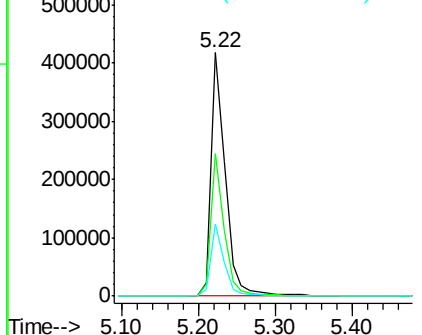
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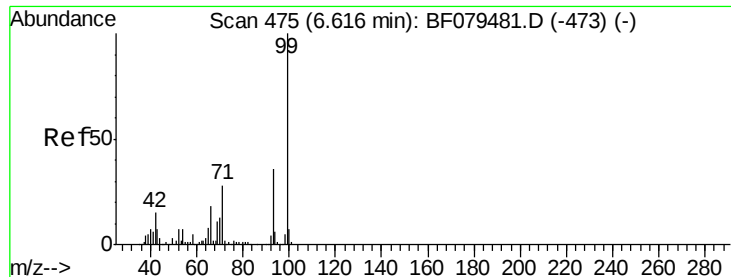
2-Fluorophenol
Concen: 100.44 ng
RT: 5.22 min Scan# 353
Delta R.T. -0.01 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	43.5	65.3
63	29.8	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.80 ng

RT: 6.55 min Scan# 469

Delta R.T. -0.00 min

Lab File: BF079583.D

Acq: 30 May 2015 4:13

Instrument :

BNA_F

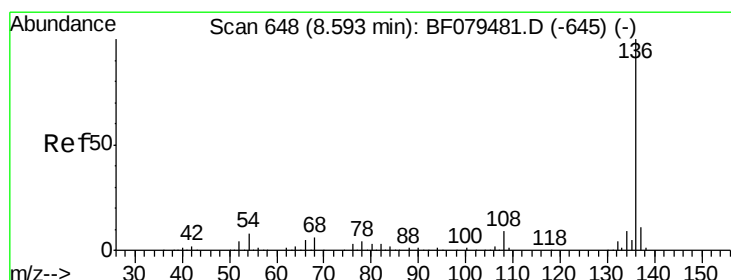
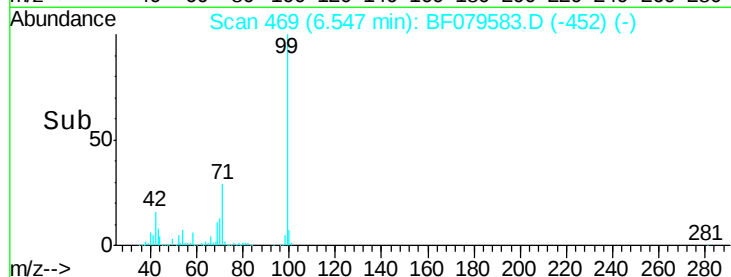
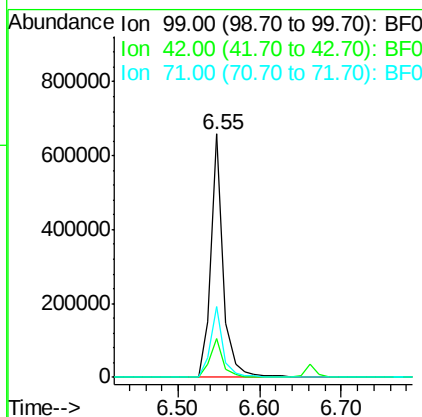
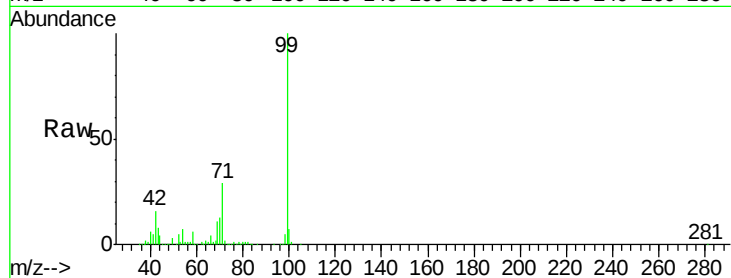
ClientSampleId :

SB-23D

Tot Ion:	99	Resp:	716005
Ion Ratio	Lower	Upper	
99	100		
42	15.7	11.9	17.9
71	29.1	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

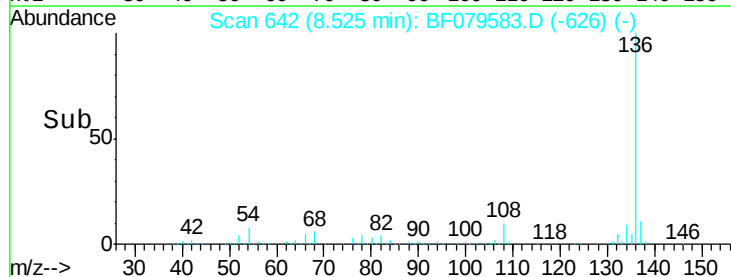
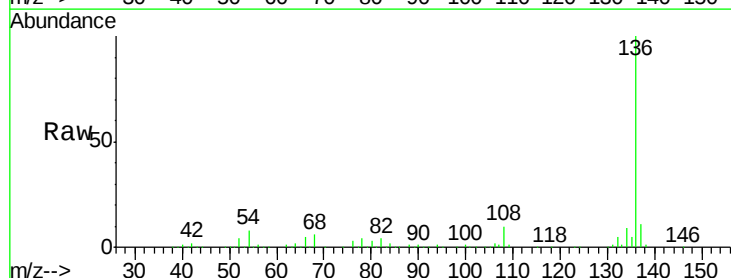
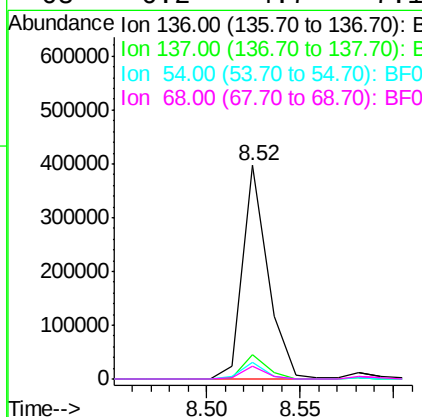
RT: 8.52 min Scan# 642

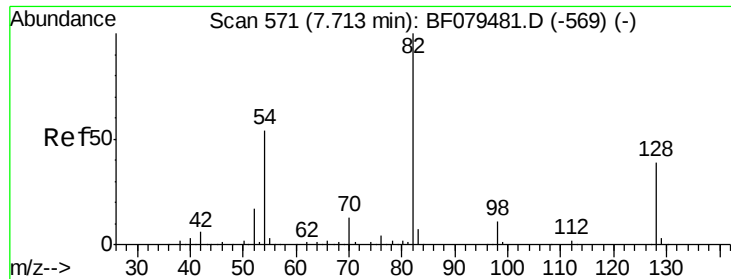
Delta R.T. -0.01 min

Lab File: BF079583.D

Acq: 30 May 2015 4:13

Tgt Ion:	136	Resp:	378034
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	7.9	6.6	9.8
68	6.2	4.7	7.1





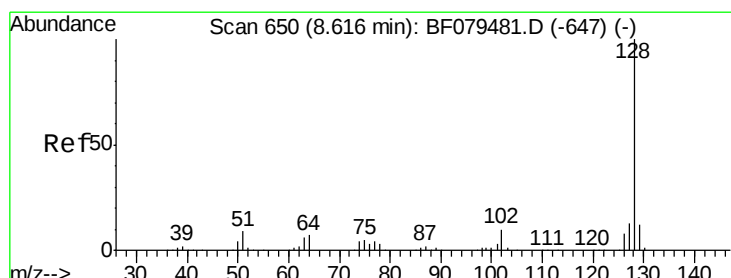
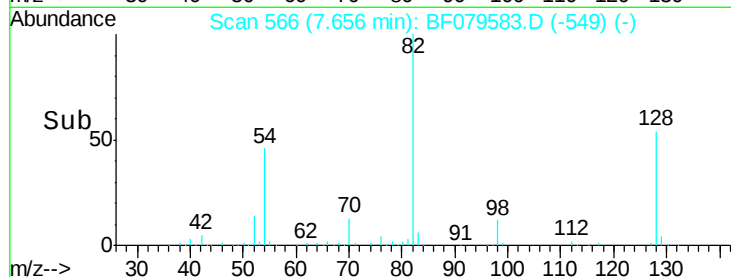
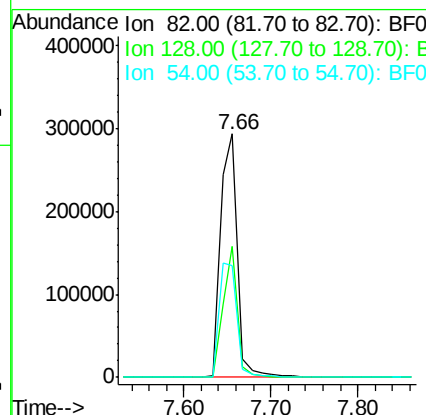
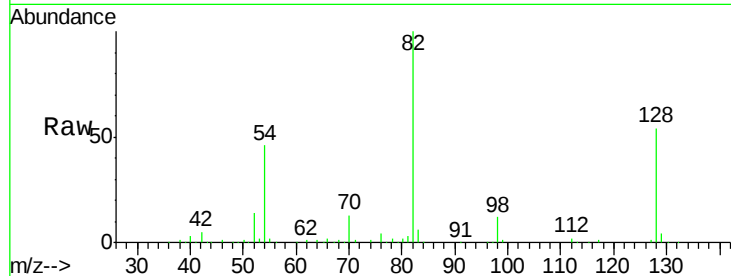
#23
 Nitrobenzene-d5
 Concen: 61.37 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF079583.D
 Acq: 30 May 2015 4:13

Instrument :
 BNA_F
 ClientSampled :
 SB-23D

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	53.6	30.8	46.2#
54	45.8	42.8	64.2

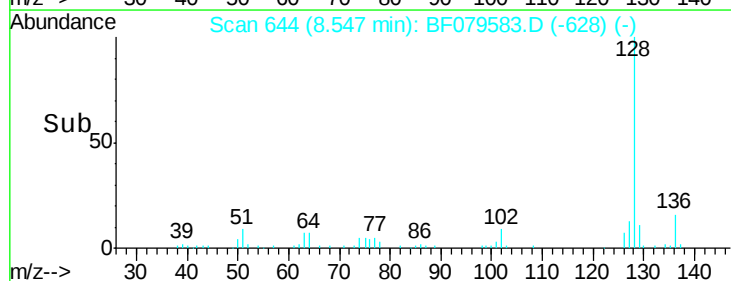
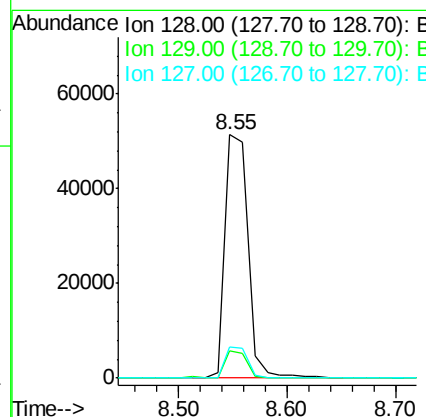
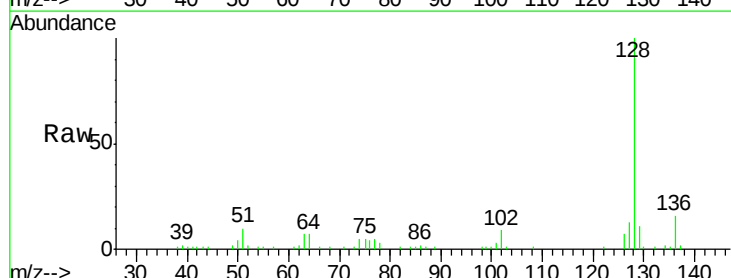
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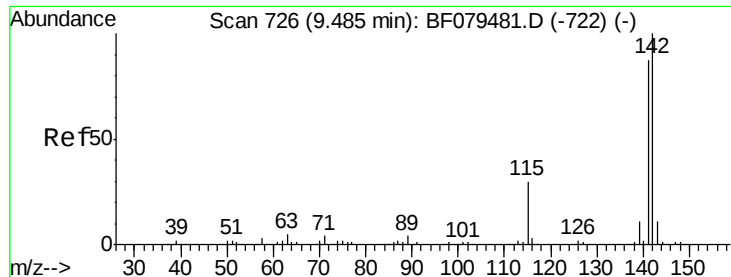
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#31
 Naphthalene
 Concen: 4.17 ng
 RT: 8.55 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF079583.D
 Acq: 30 May 2015 4:13

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.0	10.6	15.8





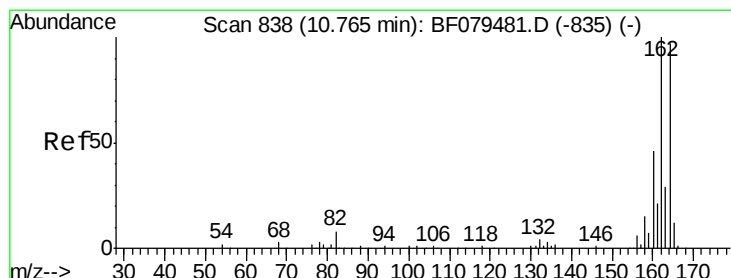
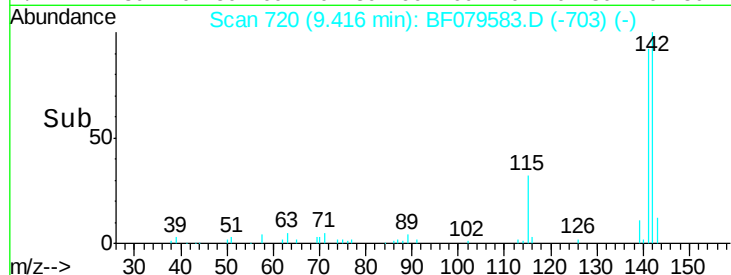
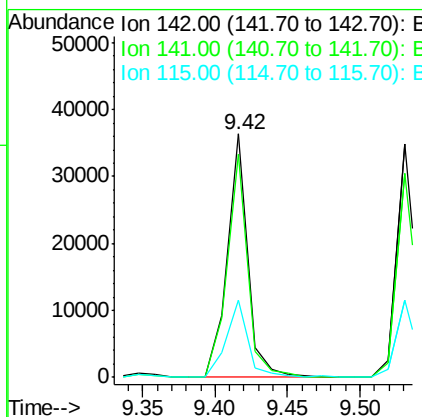
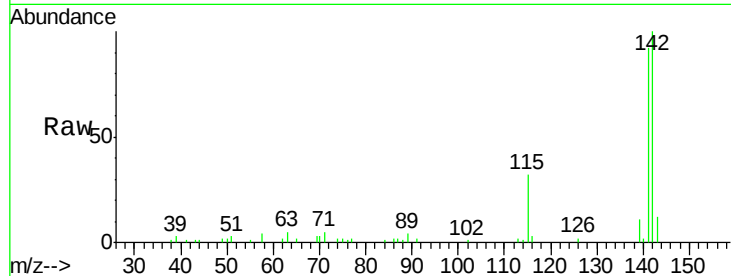
#37
2-Methylnaphthalene
Concen: 2.84 ng
RT: 9.42 min Scan# 720
Delta R.T. -0.00 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Instrument :
BNA_F
ClientSampleId :
SB-23D

Tot Ion:	142	Resp:	35754
Ion Ratio	Lower	Upper	
142	100		
141	91.8	69.5	104.3
115	31.7	23.8	35.6

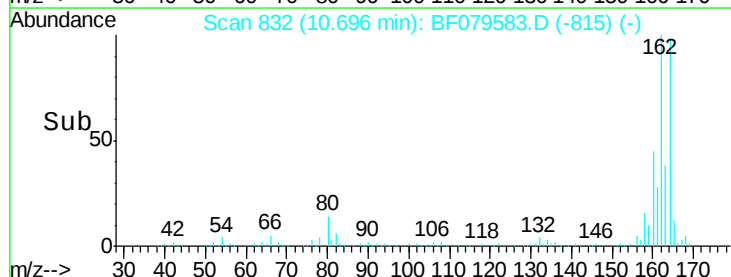
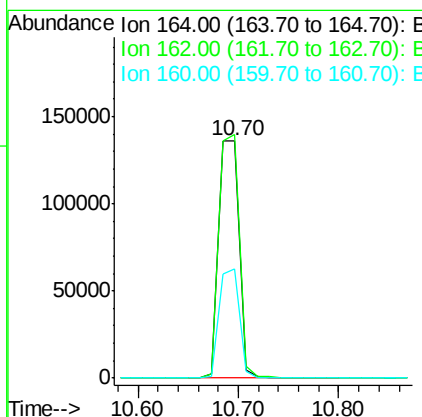
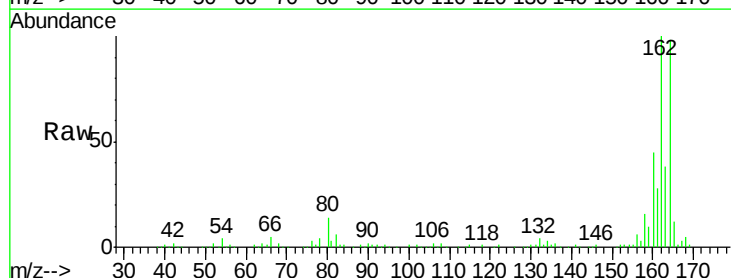
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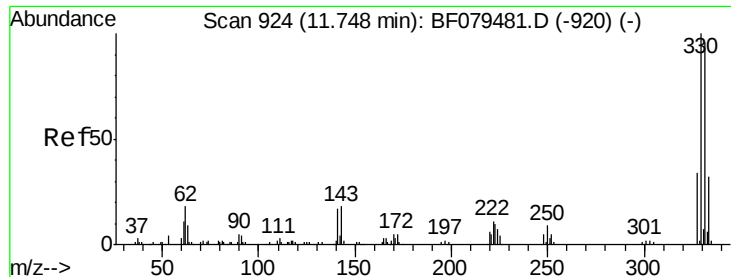
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.70 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Tgt Ion:	164	Resp:	193625
Ion Ratio	Lower	Upper	
164	100		
162	102.4	82.6	124.0
160	46.1	37.7	56.5





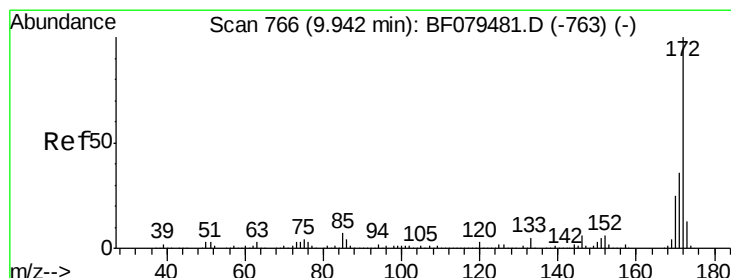
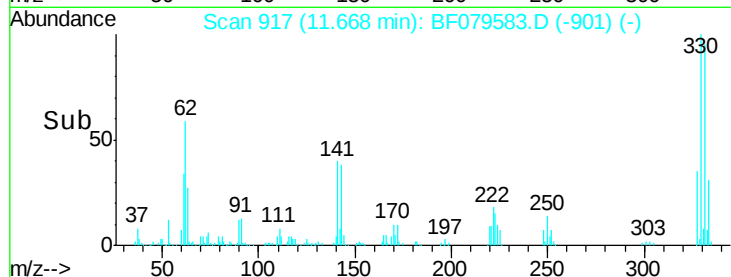
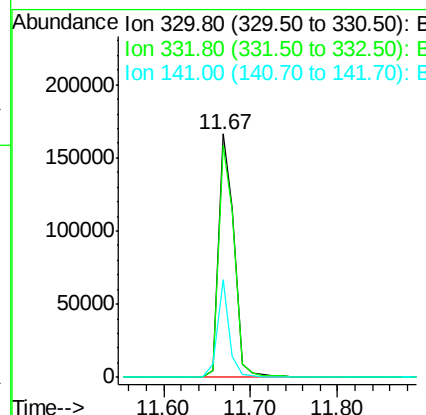
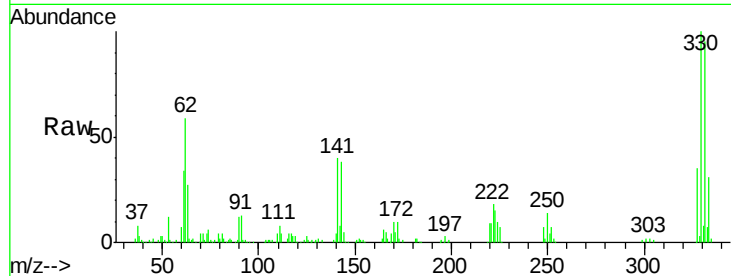
#41
 2,4,6-Tribromophenol
 Concen: 98.31 ng
 RT: 11.67 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF079583.D
 Acq: 30 May 2015 4:13

Instrument :
 BNA_F
 ClientSampleID :
 SB-23D

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	31.9	0.0	0.0#

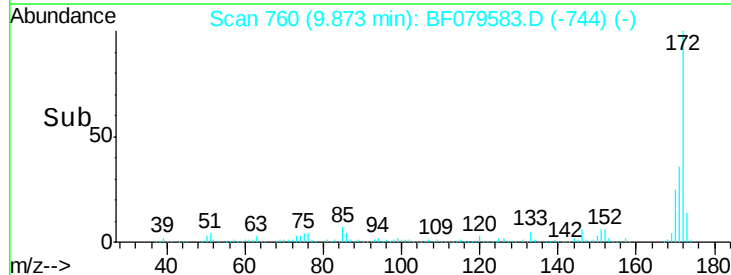
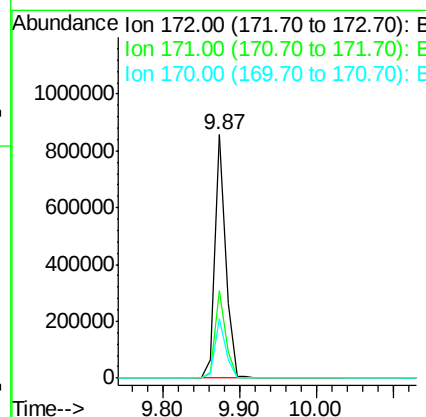
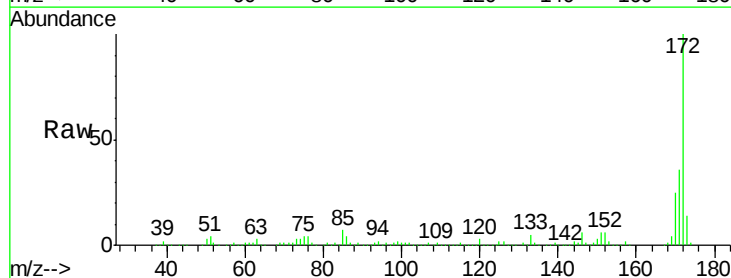
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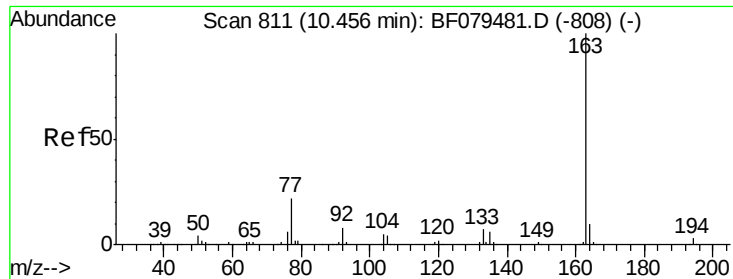
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#44
 2-Fluorobiphenyl
 Concen: 60.84 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF079583.D
 Acq: 30 May 2015 4:13

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.8	28.5	42.7
170	24.5	19.7	29.5





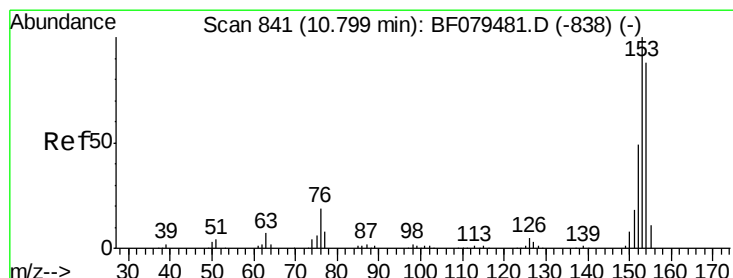
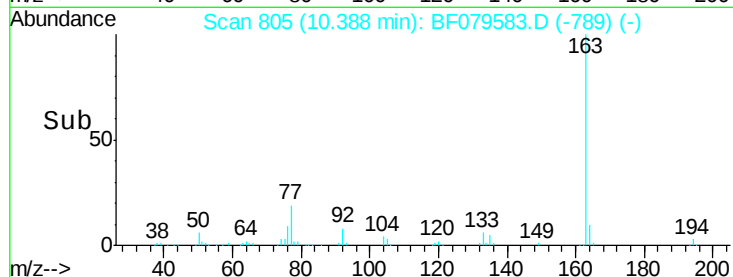
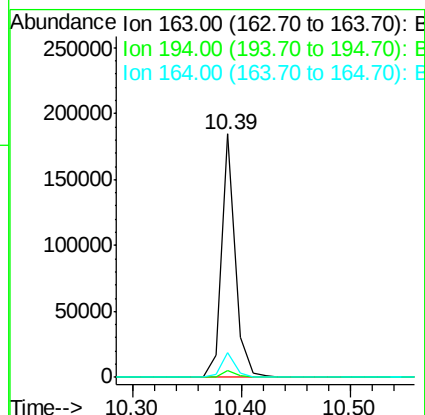
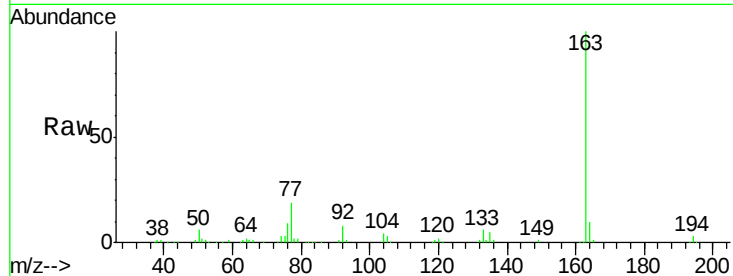
#49
Dimethylphthalate
Concen: 11.47 ng
RT: 10.39 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Instrument :
BNA_F
ClientSampleID :
SB-23D

Tot Ion:	163	Resp:	163599
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.4	3.6
164	10.0	8.2	12.4

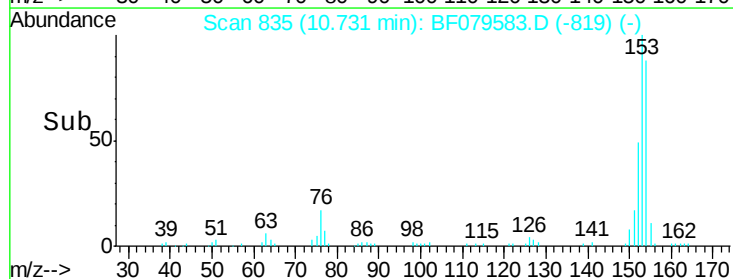
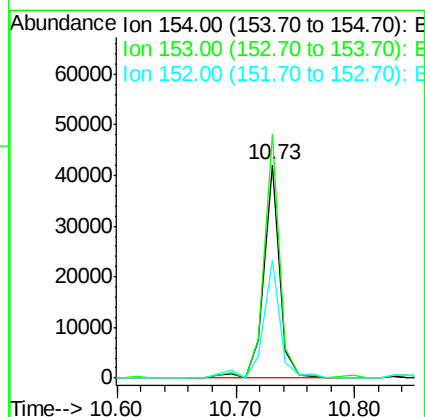
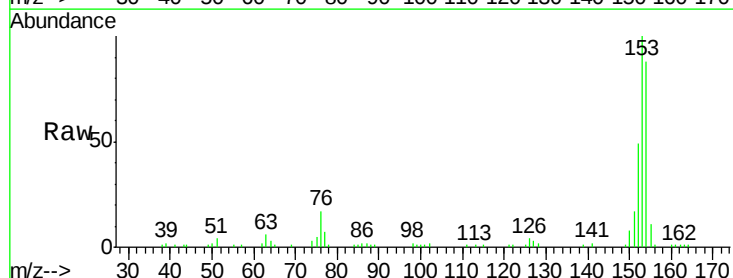
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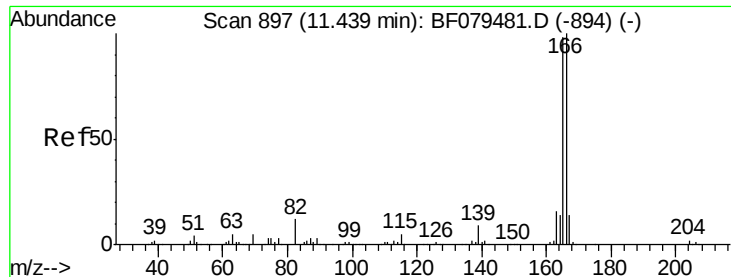
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#51
Acenaphthene
Concen: 3.46 ng
RT: 10.73 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Tgt Ion:	154	Resp:	39179
Ion Ratio	Lower	Upper	
154	100		
153	114.3	91.1	136.7
152	55.6	44.6	66.8





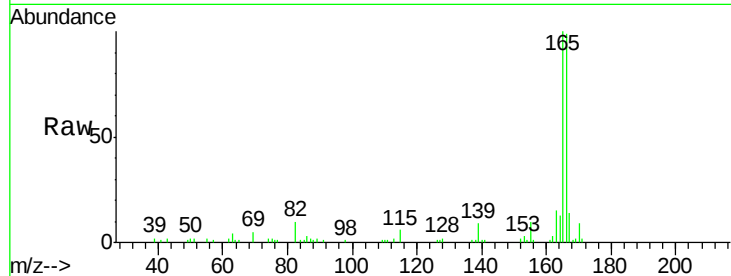
#57
Fluorene
 Concen: 2.90 ng
 RT: 11.37 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: BF079583.D
 Acq: 30 May 2015 4:13

Instrument :
 BNA_F
 ClientSampled :
 SB-23D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.2	78.6	117.8		
167	14.0	10.8	16.2		

Manual Integrations
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Abundance

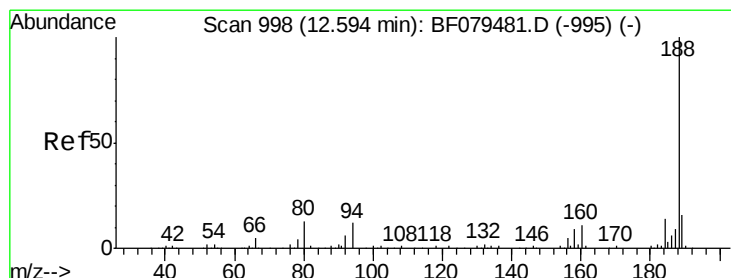
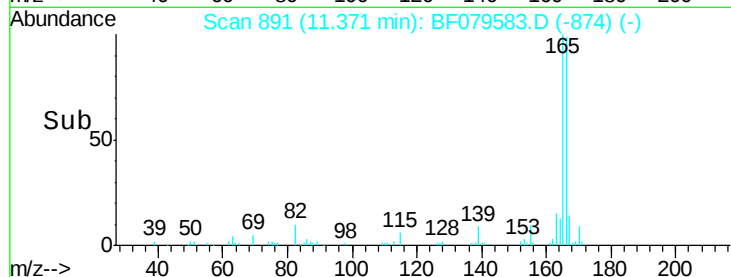
Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

11.37

Time-->



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.53 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BF079583.D
 Acq: 30 May 2015 4:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.2	9.8	14.6#		
80	9.6	10.5	15.7#		

Abundance

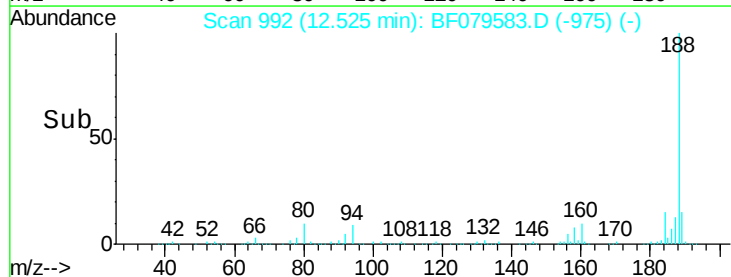
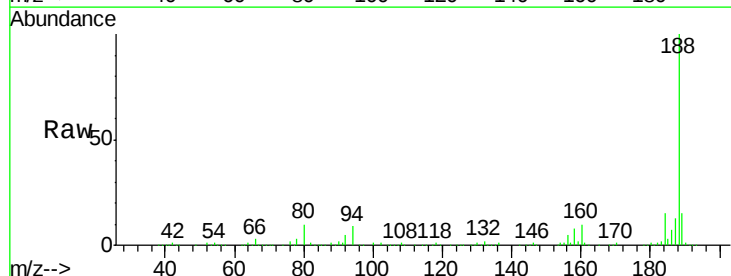
Ion 188.00 (187.70 to 188.70): E

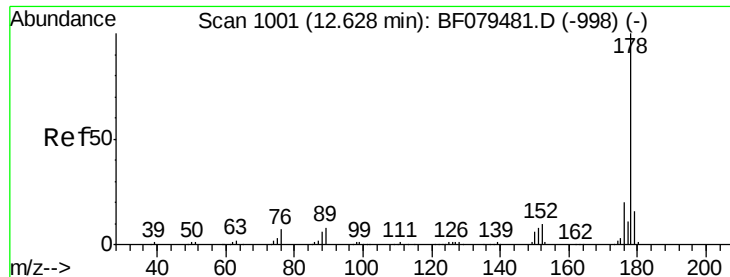
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

12.53

Time-->





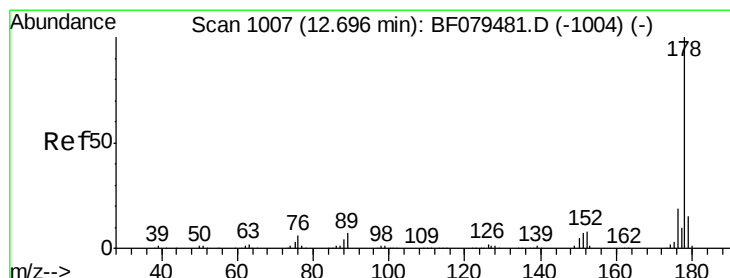
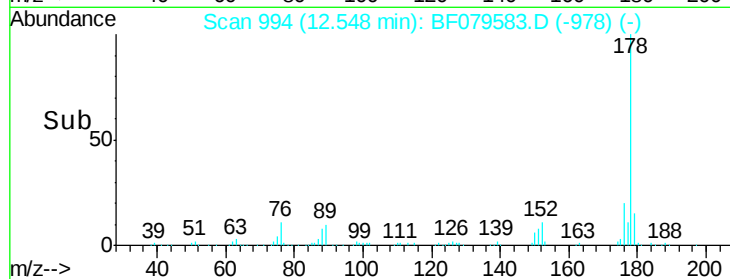
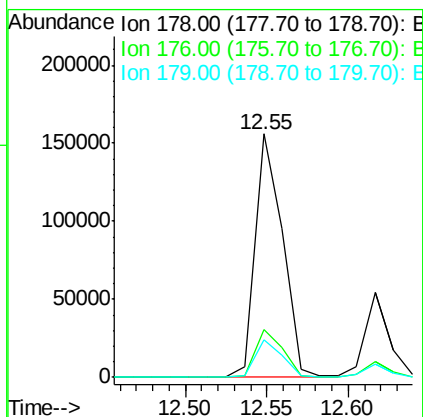
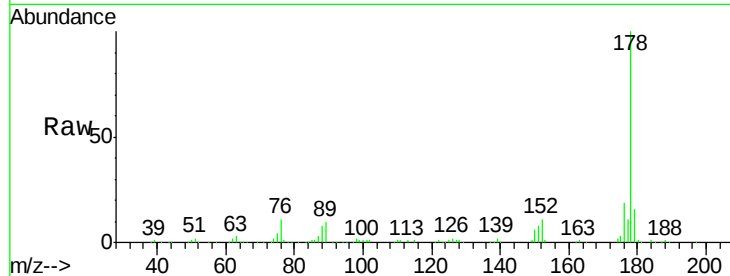
#70
Phenanthrene
Concen: 9.63 ng
RT: 12.55 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Instrument :
BNA_F
ClientSampleId :
SB-23D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.7	12.4	18.6

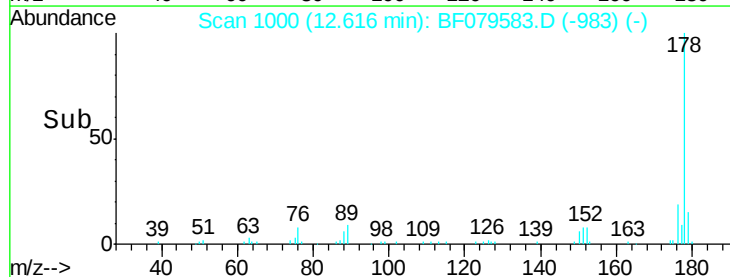
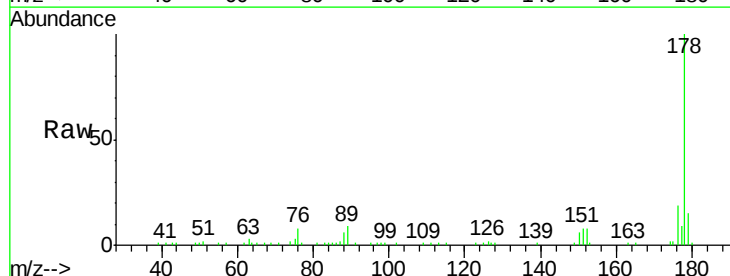
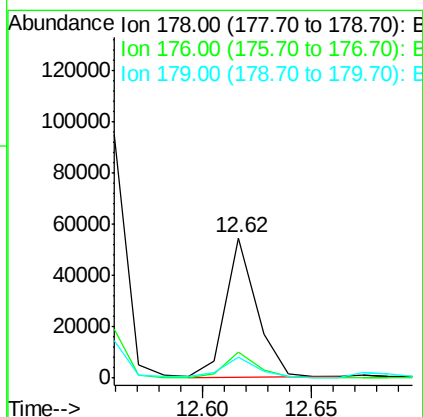
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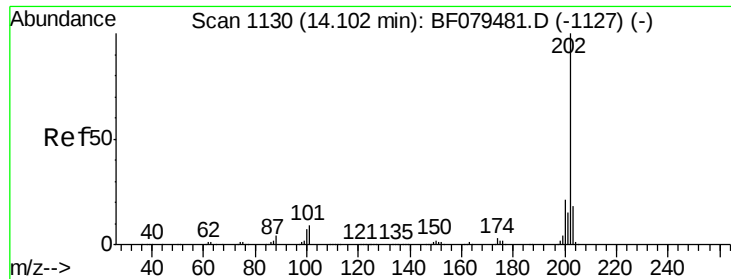
apatel
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#71
Anthracene
Concen: 2.82 ng
RT: 12.62 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.2	18.4





#74

Fluoranthene

Concen: 4.97 ng

RT: 14.02 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF079583.D

Acq: 30 May 2015 4:13

Instrument :

BNA_F

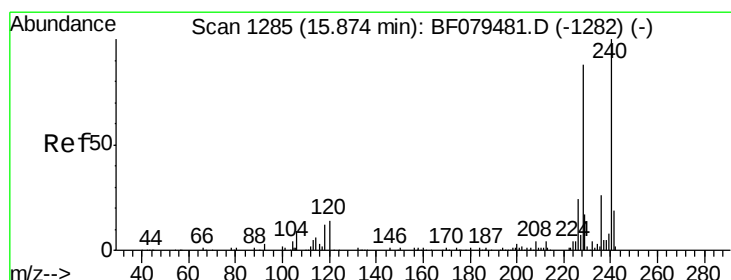
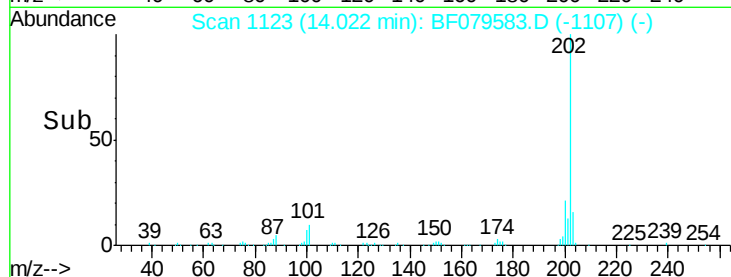
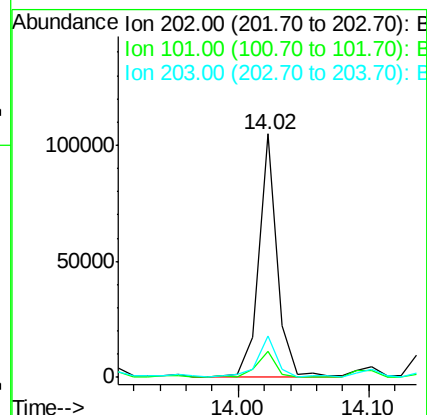
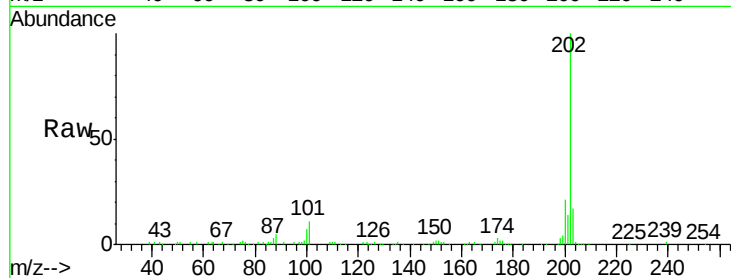
ClientSampled :

SB-23D

Tot Ion:	202	Resp:	100824
Ion Ratio		Lower	Upper
202	100		
101	10.6	0.0	29.3
203	16.9	0.0	37.6

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#75

Chrysene-d12

Concen: 20.00 ng

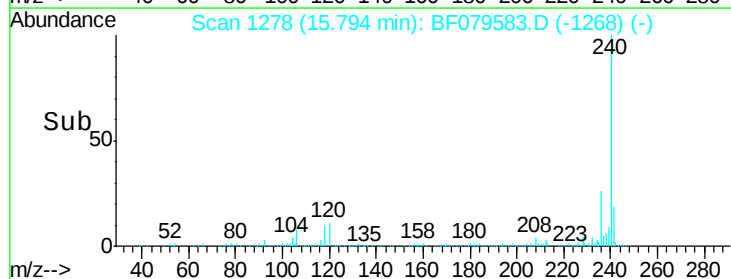
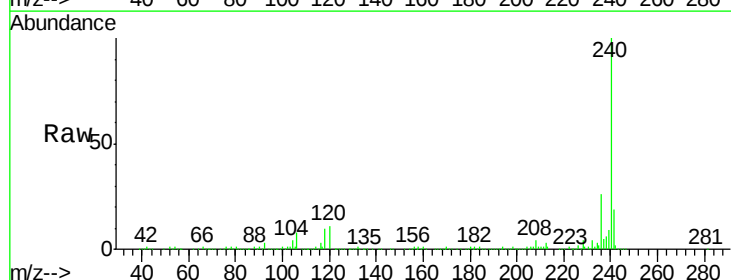
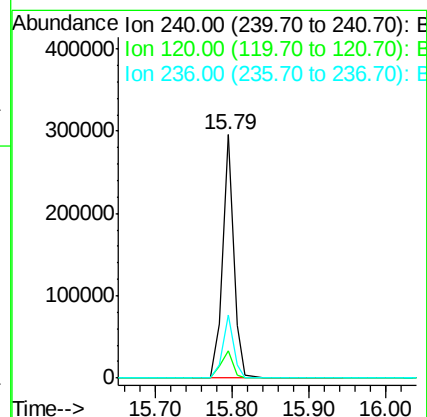
RT: 15.79 min Scan# 1278

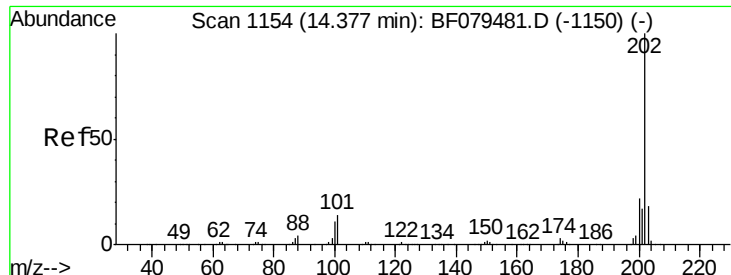
Delta R.T. -0.08 min

Lab File: BF079583.D

Acq: 30 May 2015 4:13

Tgt Ion:	240	Resp:	299855
Ion Ratio		Lower	Upper
240	100		
120	11.5	10.8	16.2
236	26.0	21.0	31.6





#77

Pvrene

Concen: 5.94 ng

RT: 14.30 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF079583.D

Acq: 30 May 2015 4:13

Instrument :

BNA_F

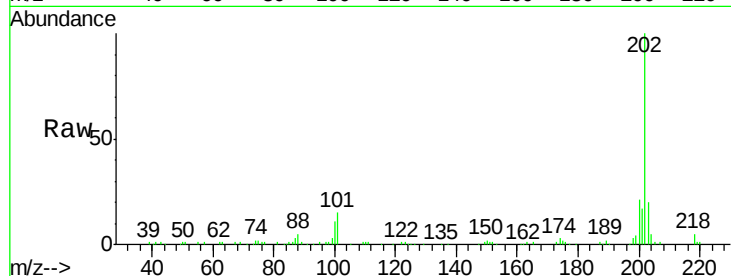
ClientSampled :

SB-23D

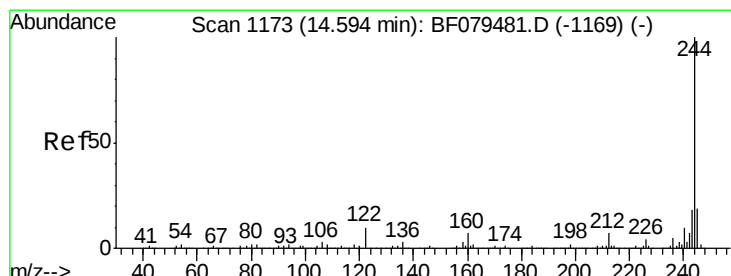
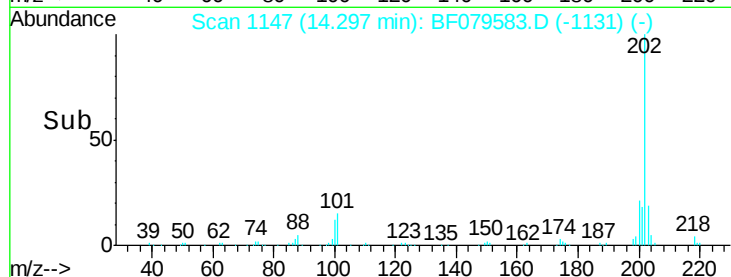
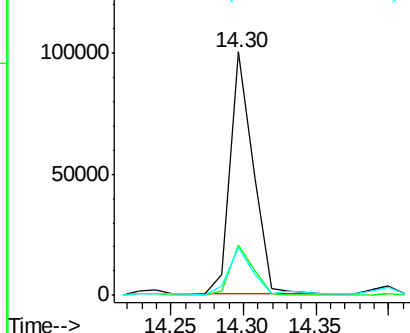
Tot Ion:	202	Resp:	110338
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.5	26.3
203	19.6	14.4	21.6

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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: 62.37 ng

RT: 14.51 min Scan# 1166

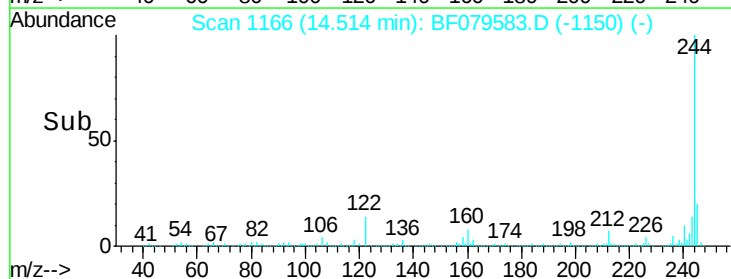
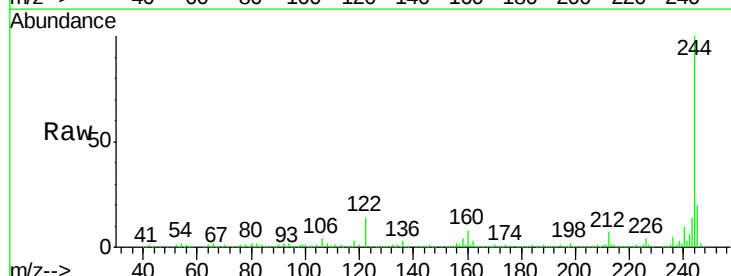
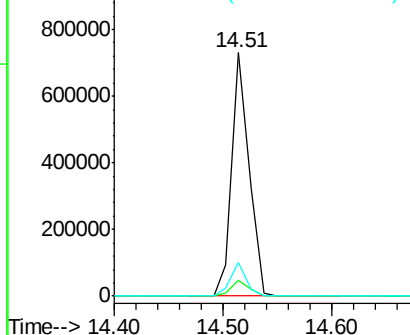
Delta R.T. -0.01 min

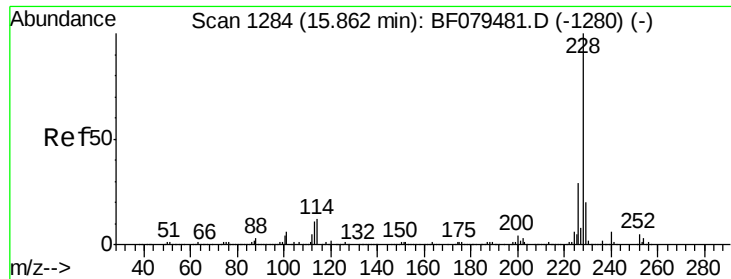
Lab File: BF079583.D

Acq: 30 May 2015 4:13

Tgt Ion:	244	Resp:	796856
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.2	7.8
122	13.8	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





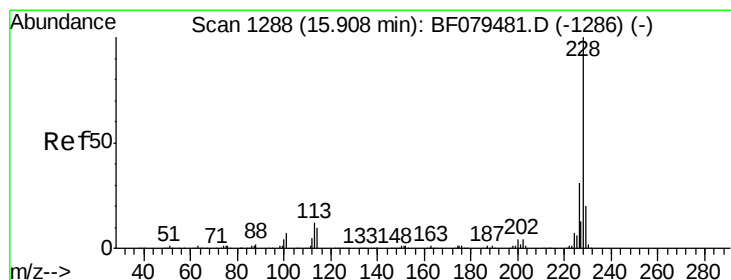
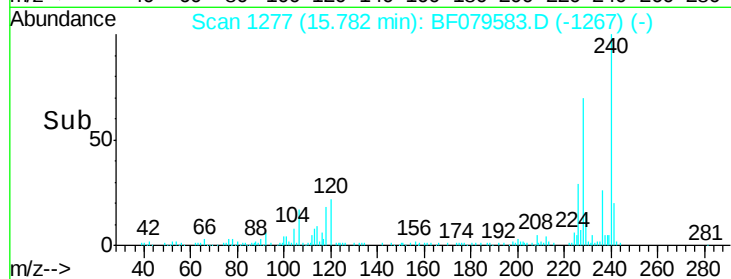
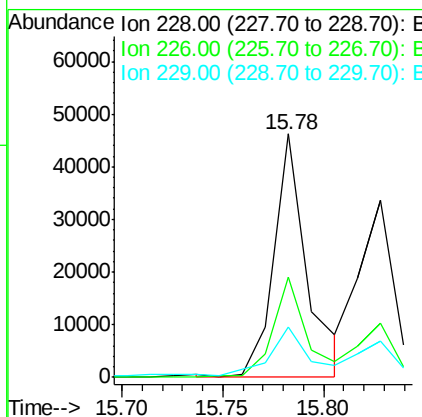
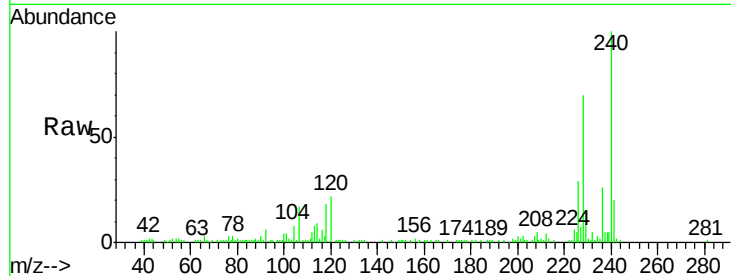
#80
Benzo(a)anthracene
Concen: 3.05 ng
RT: 15.78 min Scan# 1277
Delta R.T. -0.08 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Instrument :
BNA_F
ClientSampleId :
SB-23D

Tot Ion	Ratio	Lower	Upper
228	100		
226	41.4	22.8	34.2#
229	20.7	15.9	23.9

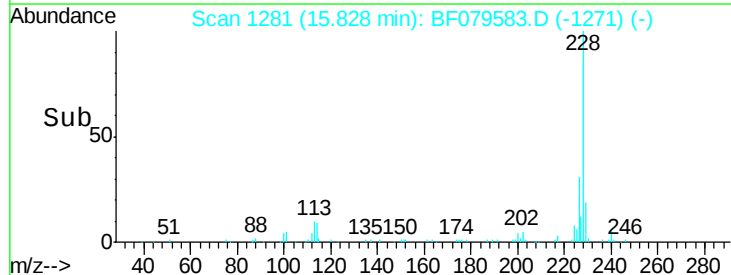
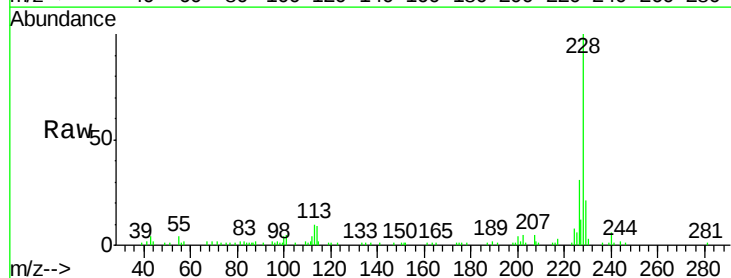
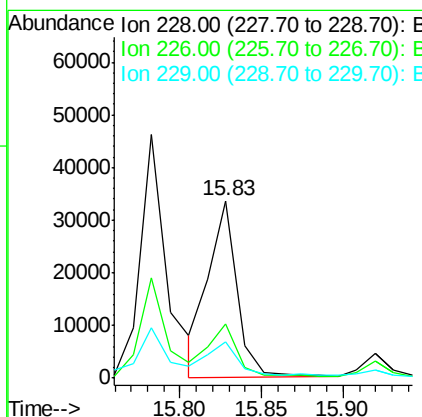
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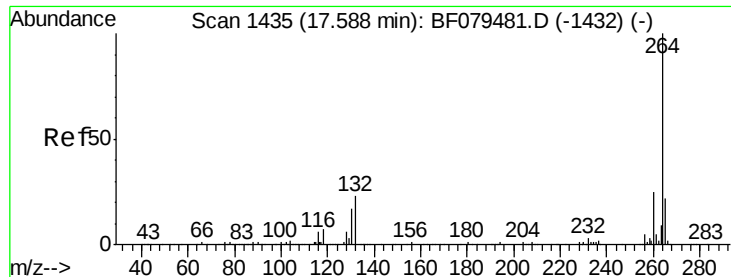
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#82
Chrysene
Concen: 2.53 ng
RT: 15.83 min Scan# 1281
Delta R.T. -0.08 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.4
229	20.7	15.9	23.9





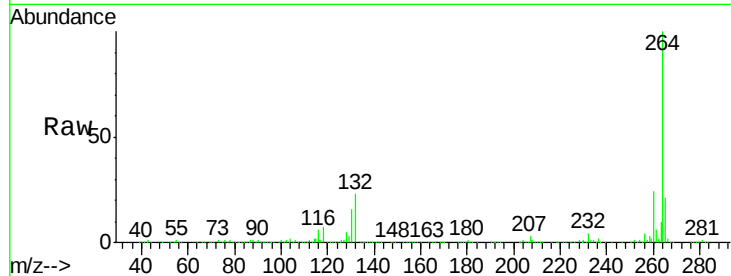
#86
Pervlene-d12
Concen: 20.00 ng m
RT: 17.47 min Scan# 1425
Delta R.T. -0.33 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Instrument :
BNA_F
ClientSampleId :
SB-23D

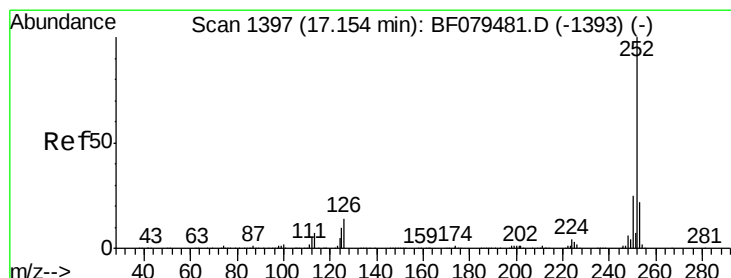
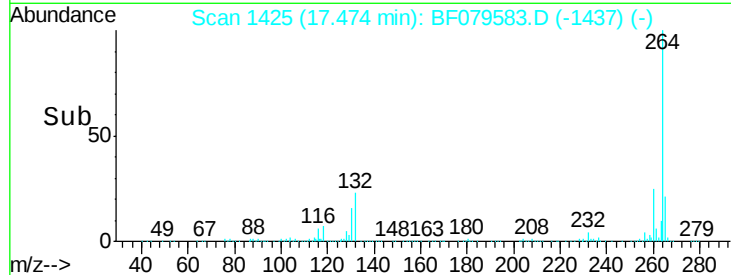
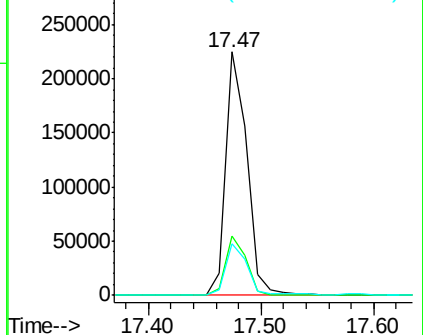
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	21.1	17.8	26.6

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 3.17 ng m
RT: 17.05 min Scan# 1388
Delta R.T. -0.25 min
Lab File: BF079583.D
Acq: 30 May 2015 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.9	7.8	11.6

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

