

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
 Data File : BF079507.D
 Acq On : 27 May 2015 7:08
 Operator : TP/IZ
 Sample : G2359-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-30AS

Manual Integrations
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Quant Time: May 27 07:51:00 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	73515	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	308012	20.00	ng	0.00
38) Acenaphthene-d10	10.77	164	158463	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	307930	20.00	ng	0.01
75) Chrysene-d12	15.89	240	327375	20.00	ng	0.01
86) Perylene-d12	17.59	264	347054	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	424152m	100.07	ng	0.00
7) Phenol-d6	6.62	99	556353	102.98	ng	0.00
23) Nitrobenzene-d5	7.71	82	299260	56.16	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	174869	100.47	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	626750	56.43	ng	0.00
78) Terphenyl-d14	14.59	244	739480	53.01	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.46	163	29746	2.55	ng	Qvalue # 98
70) Phenanthrene	12.63	178	115638	6.85	ng	100
74) Fluoranthene	14.10	202	231559	12.78	ng	97
77) Pyrene	14.38	202	227789	11.23	ng	97
80) Benzo(a)anthracene	15.87	228	126106	6.70	ng	100
82) Chrysene	15.91	228	108069	6.04	ng	98
85) Indeno(1,2,3-cd)pyrene	18.91	276	77430	3.36	ng	94
87) Benzo(b)fluoranthene	17.15	252	178349m	9.01	ng	
88) Benzo(k)fluoranthene	17.18	252	36954m	2.09	ng	
89) Benzo(a)pyrene	17.53	252	124569	5.49	ng	99

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

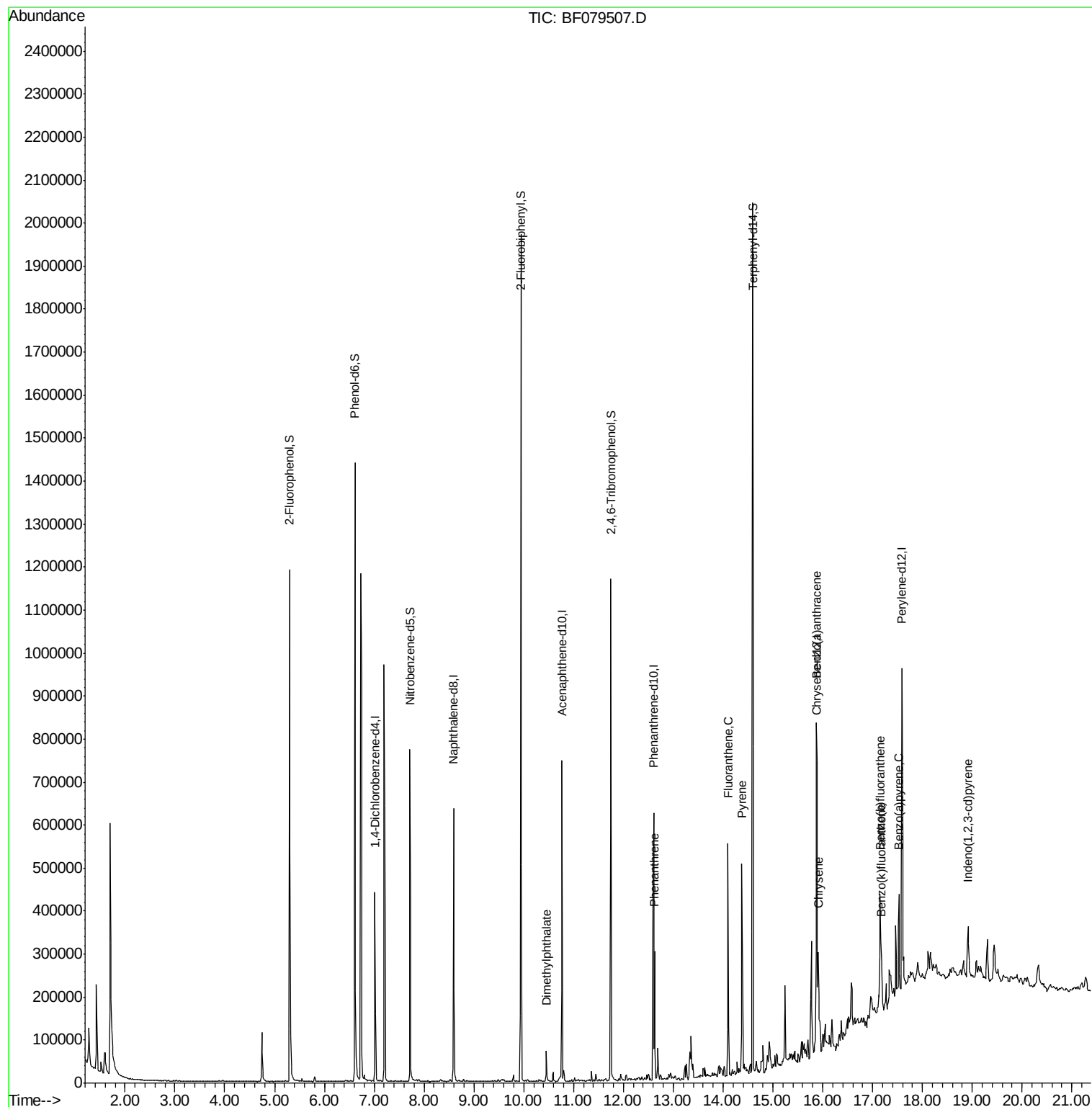
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079507.D
Acq On : 27 May 2015 7:08
Operator : TP/IZ
Sample : G2359-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

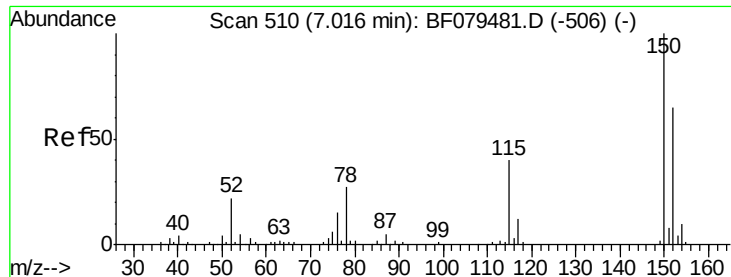
Instrument :
BNA_F
ClientSampleId :
SB-30AS

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Quant Time: May 27 07:51:00 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
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#1

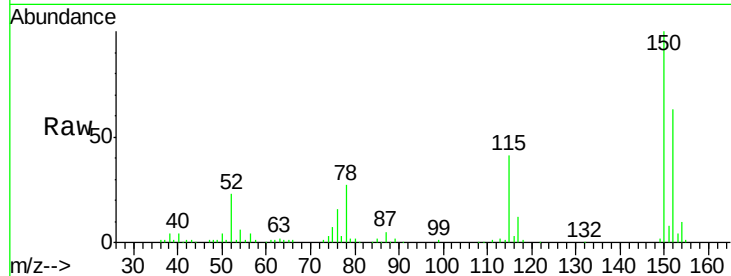
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Instrument :
BNA_F
ClientSampled :
SB-30AS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.0	186.0
115	64.1	49.6	74.4

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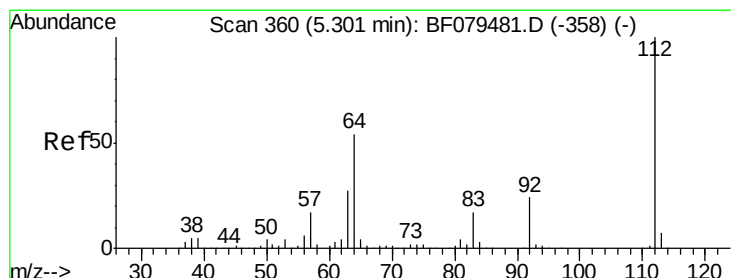
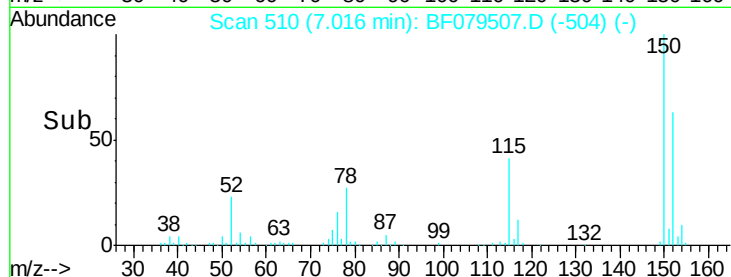
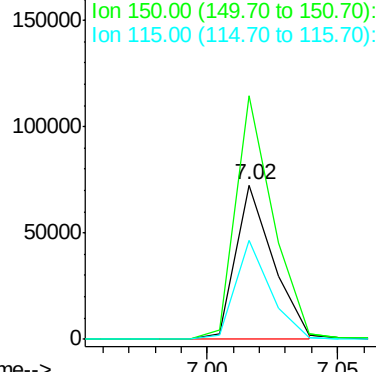


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

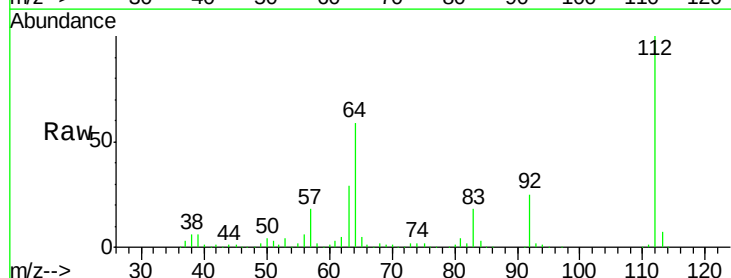
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.07 ng m
RT: 5.30 min Scan# 360
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	43.5	65.3
63	29.5	21.8	32.8

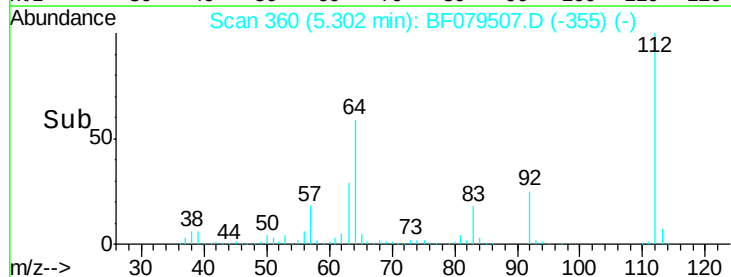
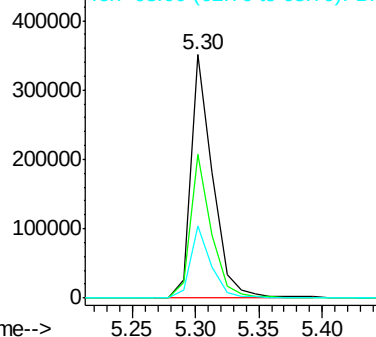


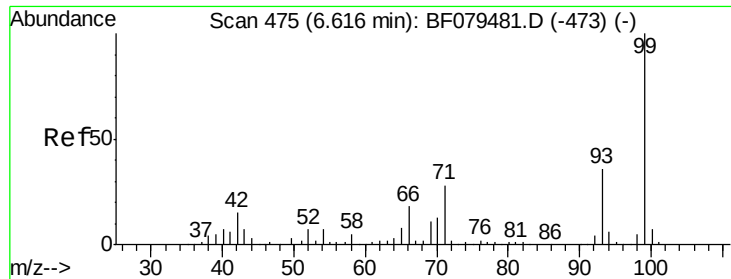
Abundance

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: 102.98 ng

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079507.D

Acq: 27 May 2015 7:08

Instrument :

BNA_F

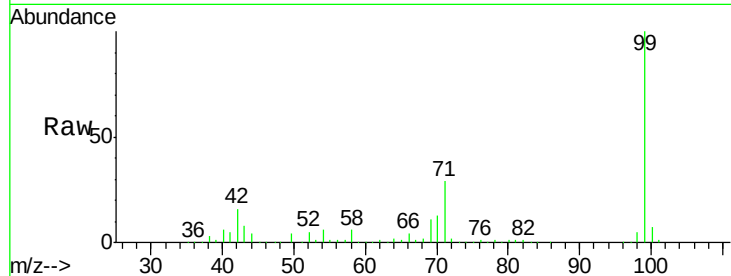
ClientSampleId :

SB-30AS

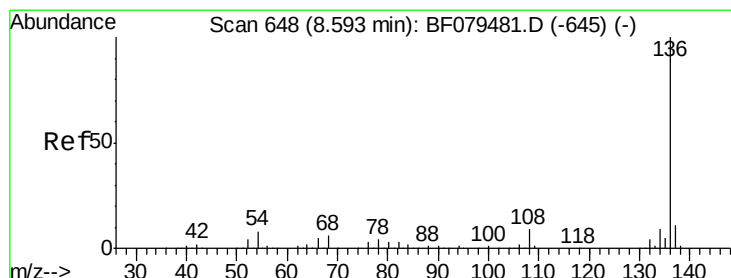
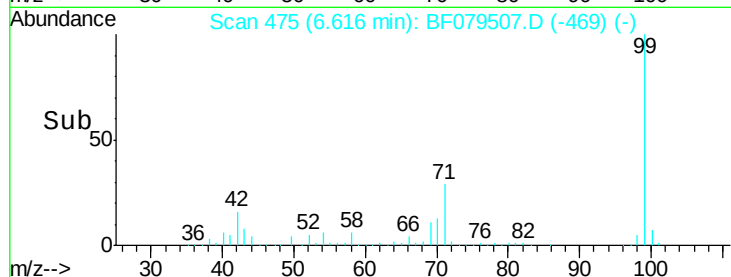
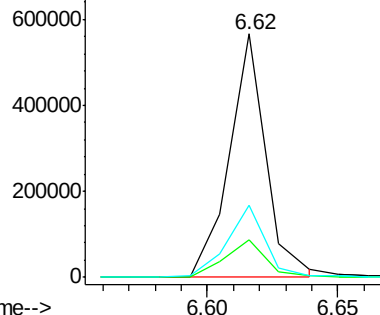
Tot Ion:	99	Resp:	556353
Ion Ratio	Lower	Upper	
99	100		
42	15.6	11.9	17.9
71	29.4	22.1	33.1

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.59 min Scan# 648

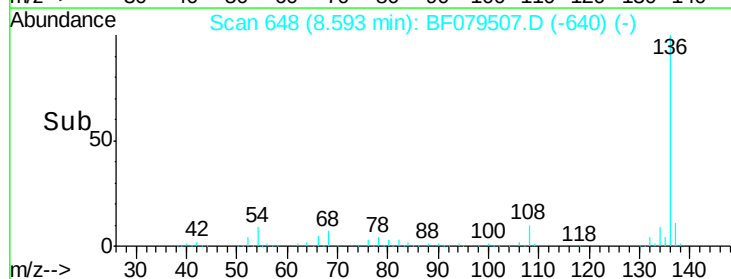
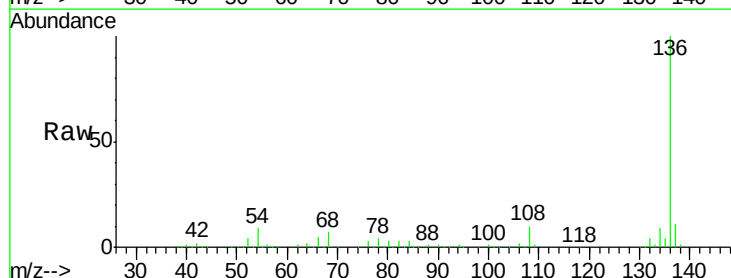
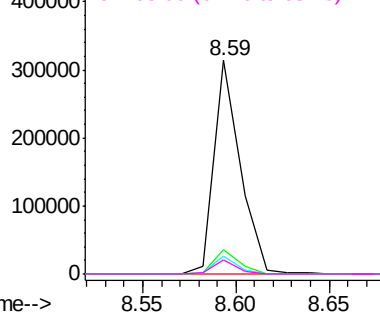
Delta R.T. 0.00 min

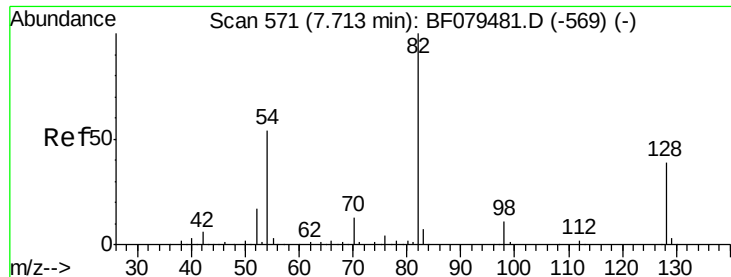
Lab File: BF079507.D

Acq: 27 May 2015 7:08

Tgt Ion:	136	Resp:	308012
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	8.7	6.6	9.8
68	6.5	4.7	7.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





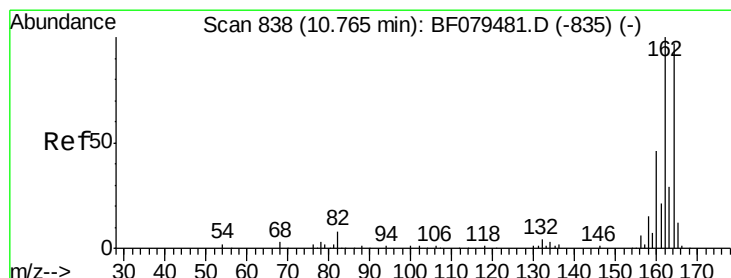
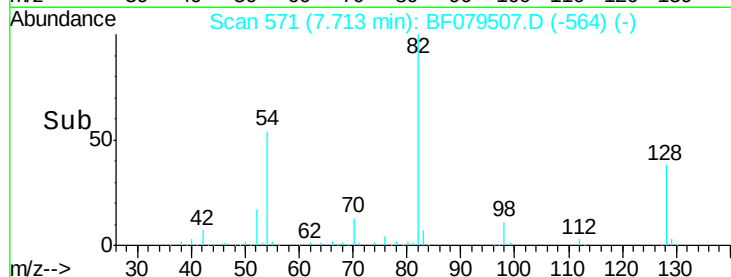
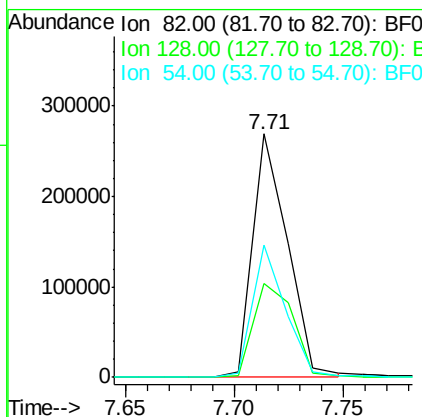
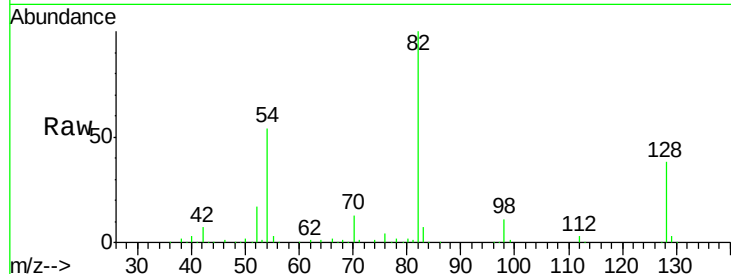
#23
 Nitrobenzene-d5
 Concen: 56.16 ng
 RT: 7.71 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF079507.D
 Acq: 27 May 2015 7:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-30AS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	299260		
128	38.4		30.8	46.2
54	54.4		42.8	64.2

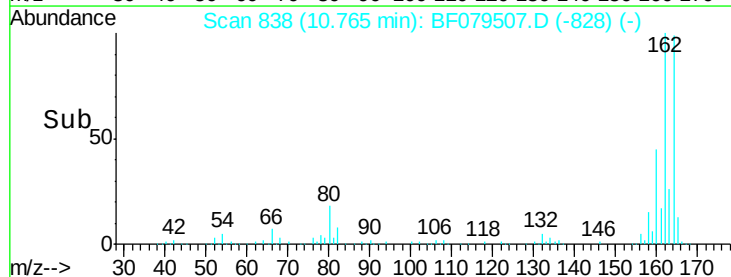
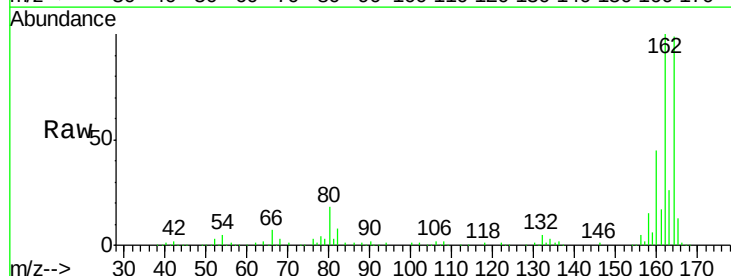
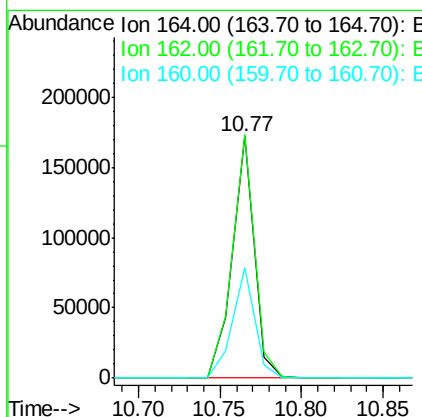
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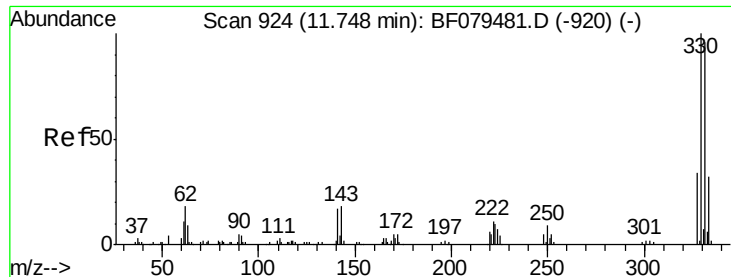
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.77 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF079507.D
 Acq: 27 May 2015 7:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	158463		
162	100.6		82.6	124.0
160	45.7		37.7	56.5





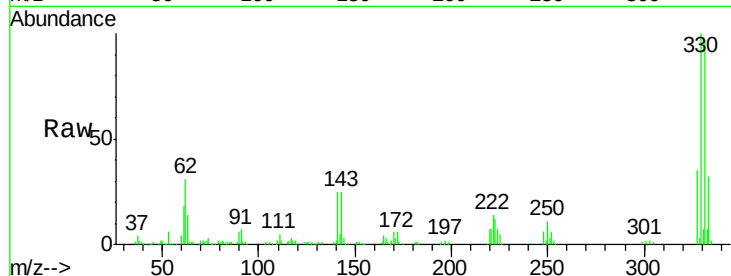
#41
 2,4,6-Tribromophenol
 Concen: 100.47 ng
 RT: 11.75 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF079507.D
 Acq: 27 May 2015 7:08

Instrument :
 BNA_F
 ClientSampled :
 SB-30AS

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	33.4	0.0	0.0#

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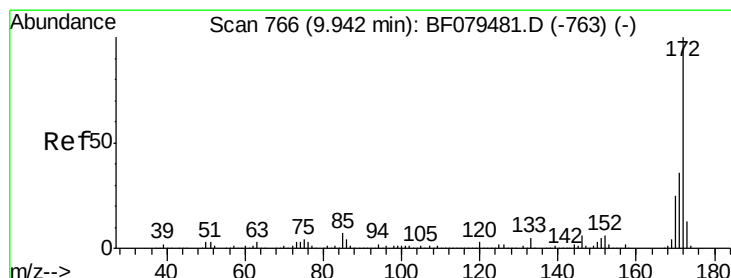
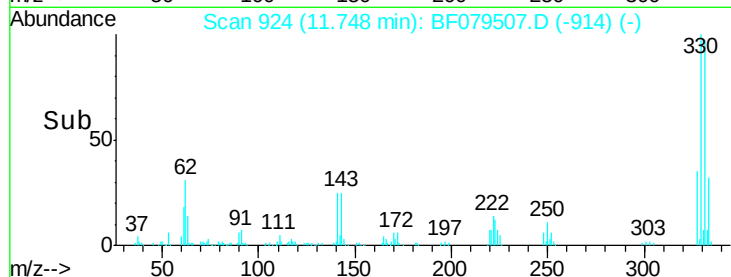
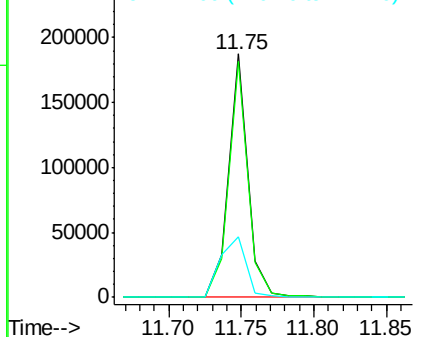


Abundance

Ion 329.80 (329.50 to 330.50): E

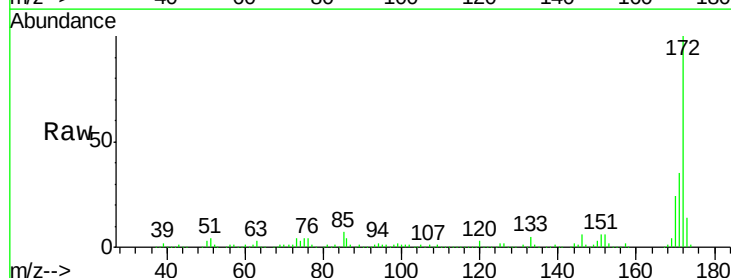
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 56.43 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079507.D
 Acq: 27 May 2015 7:08

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.0	28.5	42.7
170	24.4	19.7	29.5

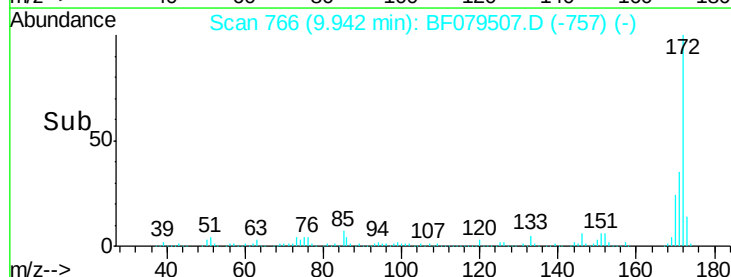
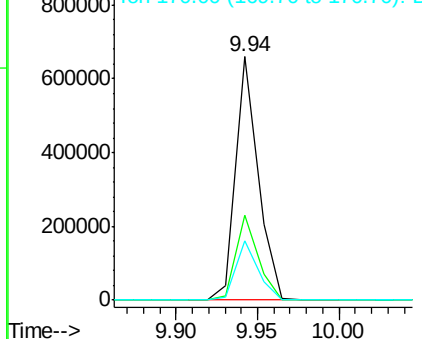


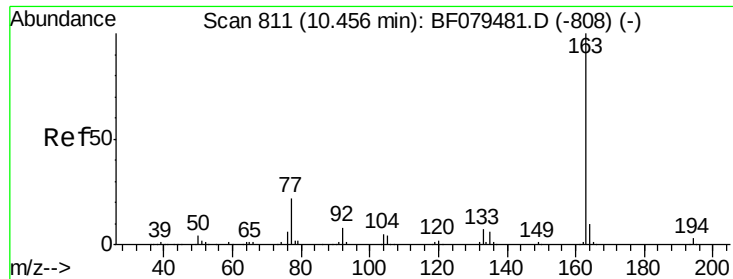
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





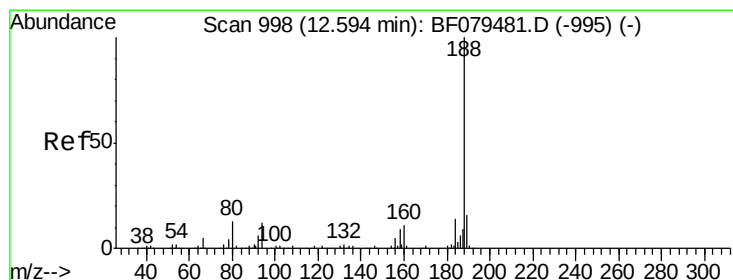
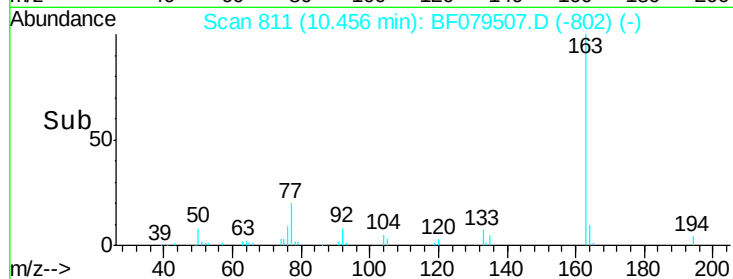
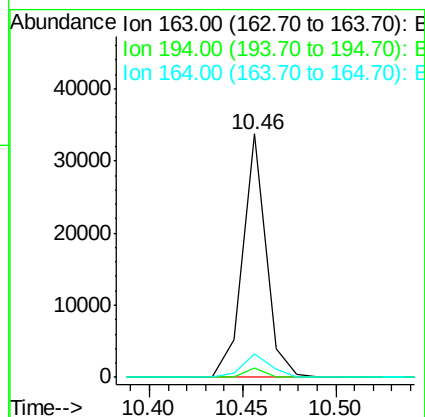
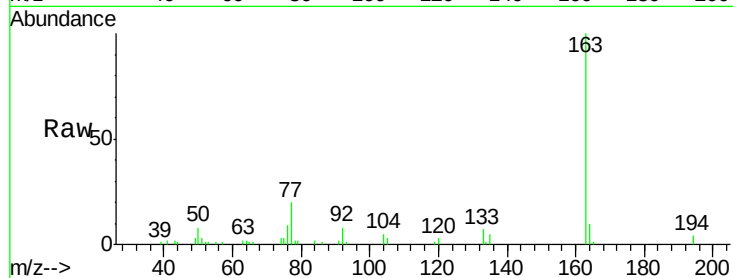
#49
Dimethylphthalate
Concen: 2.55 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Instrument :
BNA_F
ClientSampleId :
SB-30AS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	29746		
194	3.6		2.4	3.6#
164	9.7		8.2	12.4

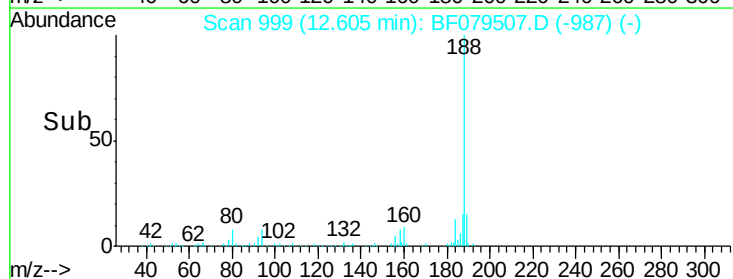
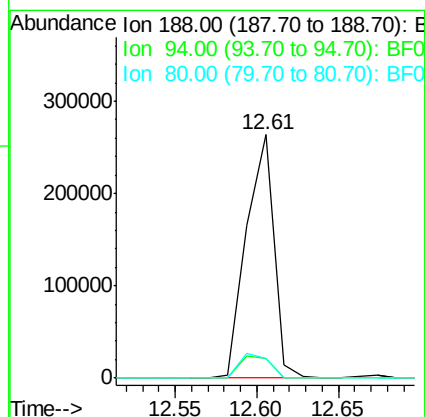
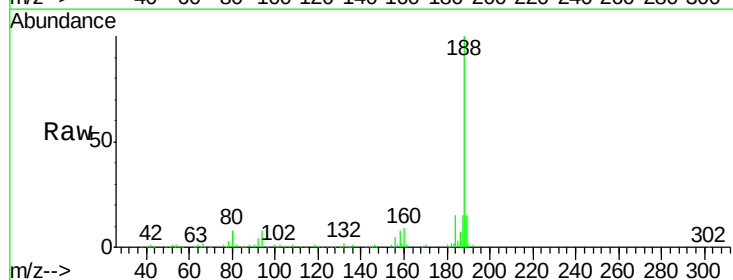
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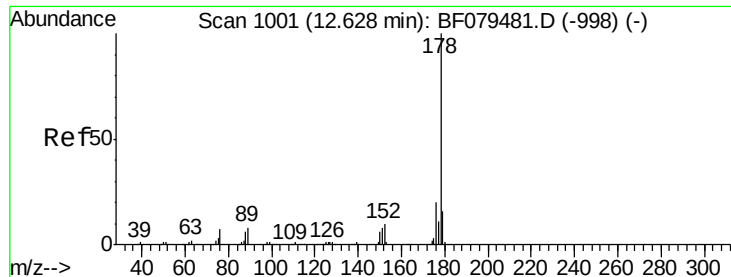
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	307930		
94	7.9		9.8	14.6#
80	7.9		10.5	15.7#





#70

Phenanthrene

Concen: 6.85 ng

RT: 12.63 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF079507.D

Acq: 27 May 2015 7:08

Instrument :

BNA_F

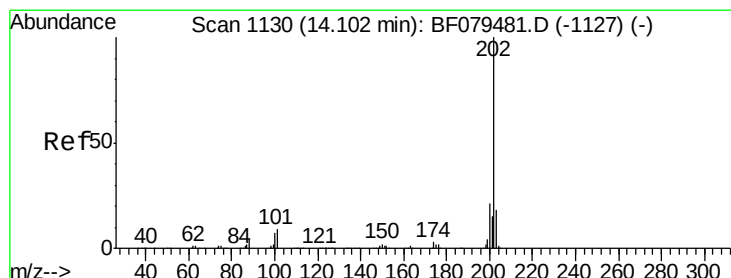
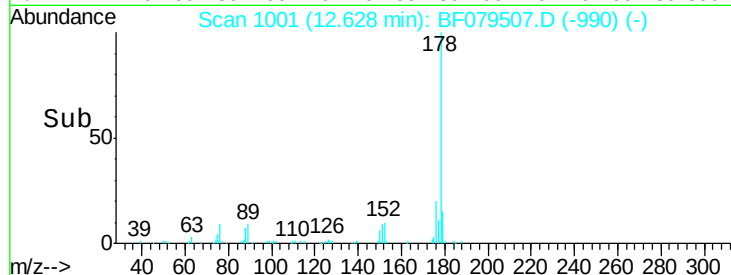
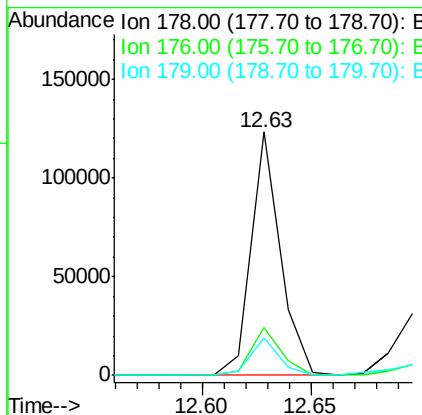
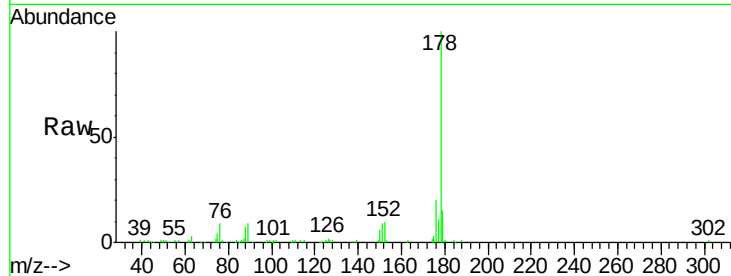
ClientSampleId :

SB-30AS

Tot Ion:	178	Resp:	115638
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.7	23.5
179	15.2	12.4	18.6

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#74

Fluoranthene

Concen: 12.78 ng

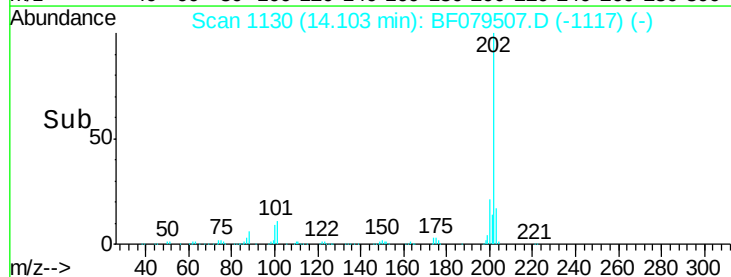
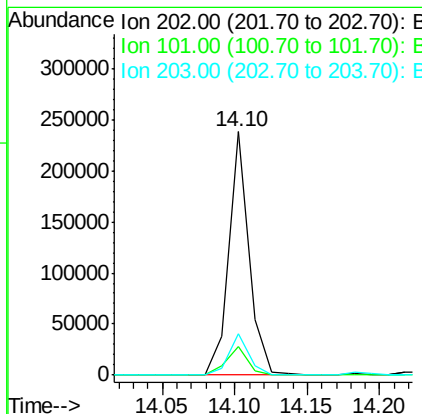
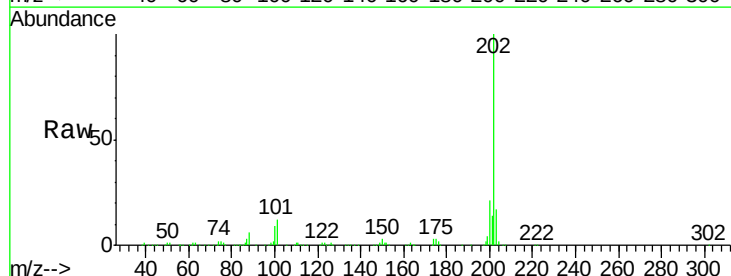
RT: 14.10 min Scan# 1130

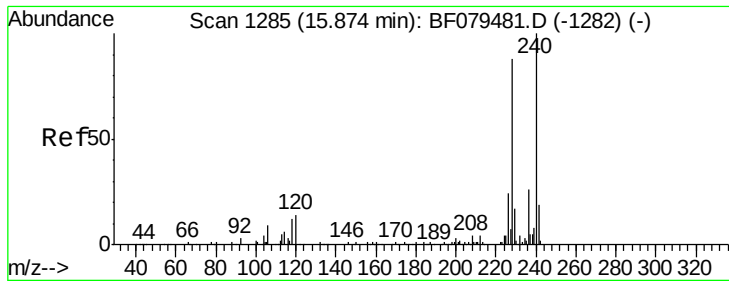
Delta R.T. 0.00 min

Lab File: BF079507.D

Acq: 27 May 2015 7:08

Tgt Ion:	202	Resp:	231559
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	29.3
203	17.3	0.0	37.6





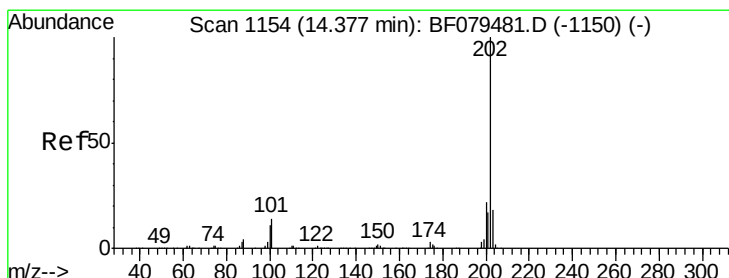
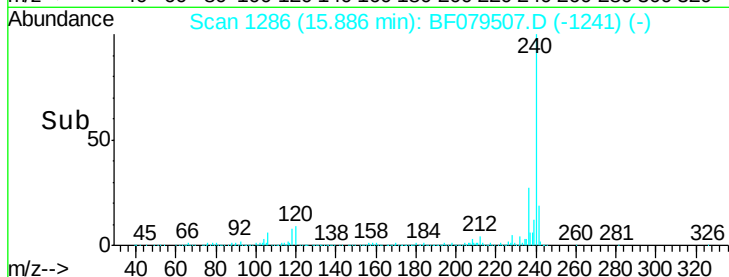
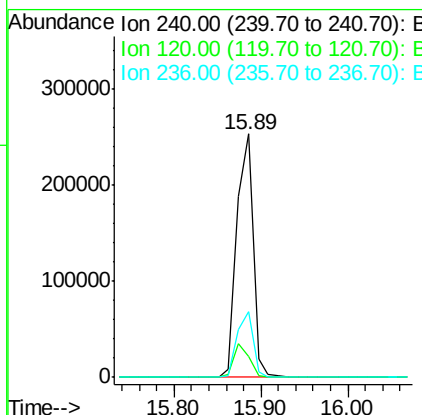
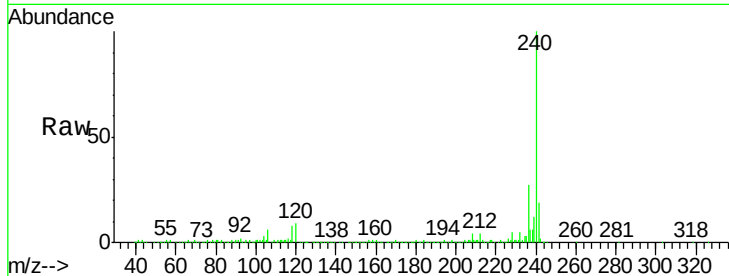
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.89 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Instrument :
BNA_F
ClientSampleId :
SB-30AS

Tot Ion	Ratio	Resp	Lower	Upper
240	100	327375		
120	8.7	10.8	16.2	
236	26.7	21.0	31.6	

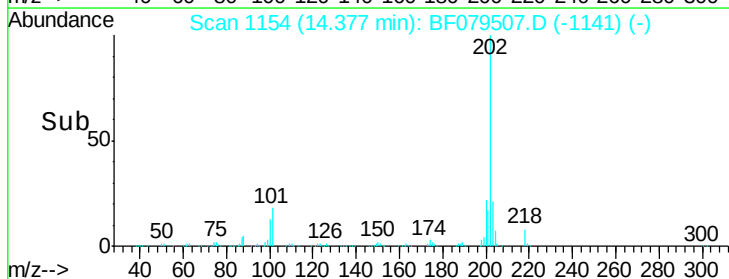
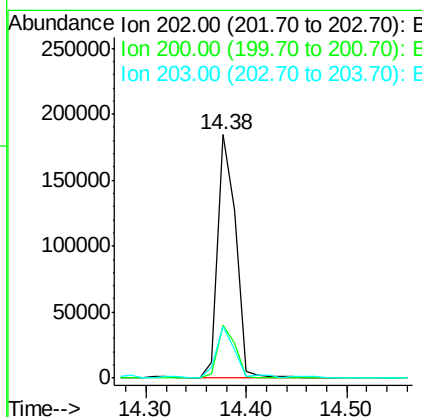
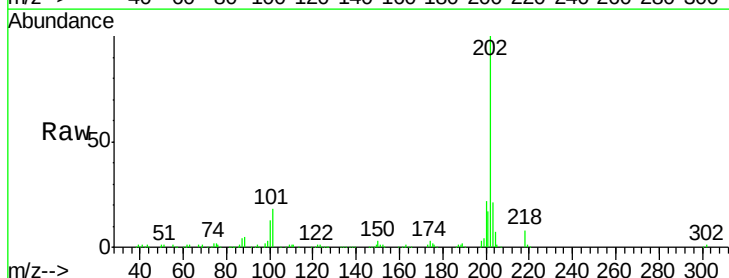
Manual Integrations
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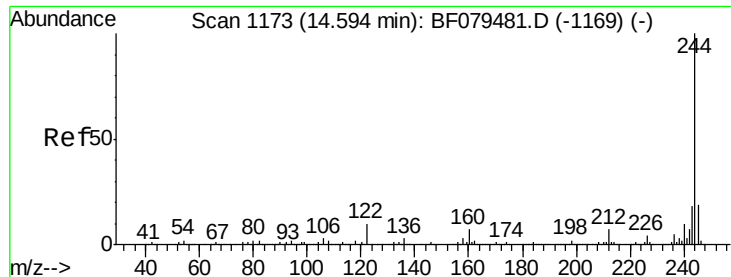
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#77
Pyrene
Concen: 11.23 ng
RT: 14.38 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	227789		
200	21.9	17.5	26.3	
203	21.1	14.4	21.6	





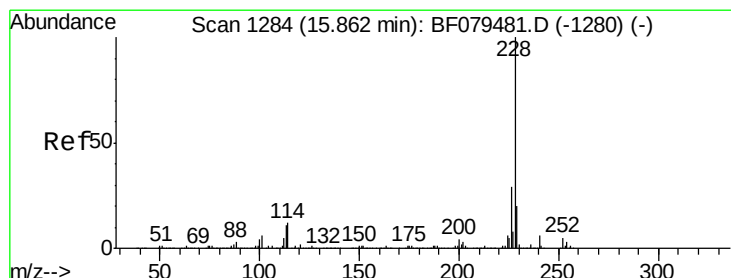
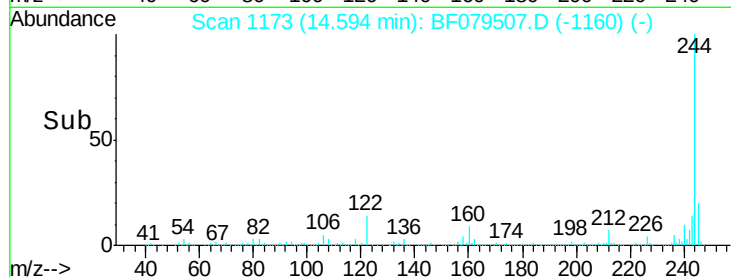
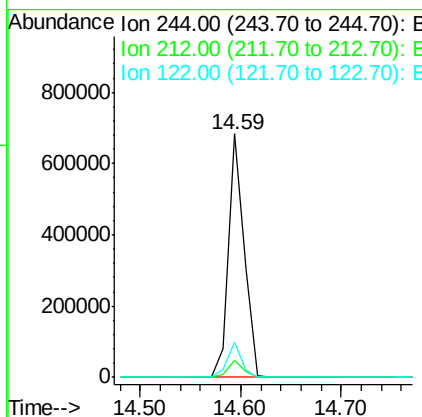
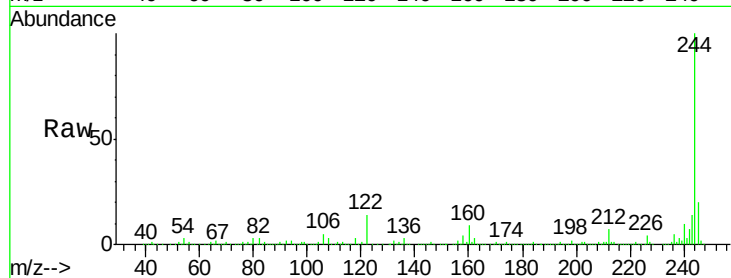
#78
 Terphenyl-d14
 Concen: 53.01 ng
 RT: 14.59 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BF079507.D
 Acq: 27 May 2015 7:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-30AS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.2	7.8
122	14.3	8.0	12.0

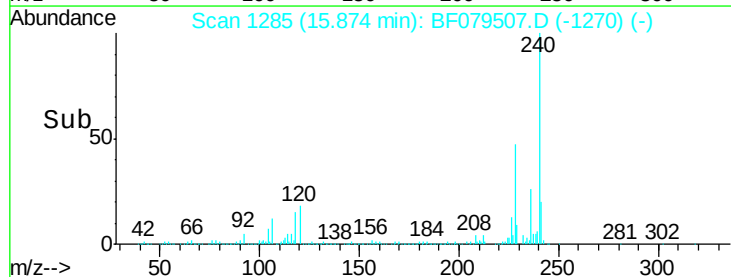
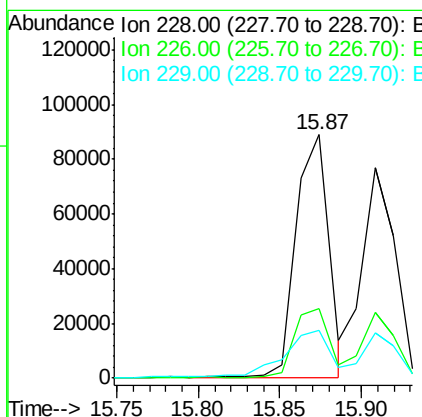
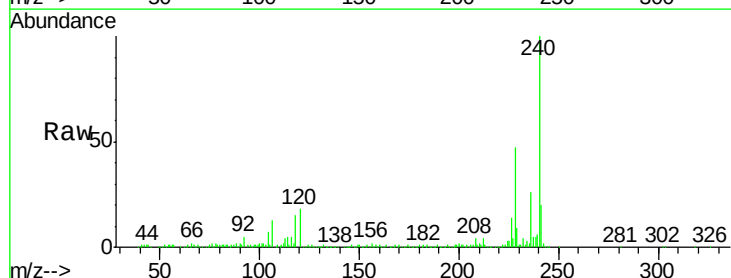
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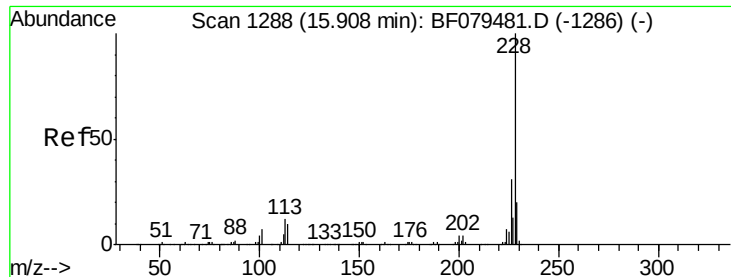
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#80
 Benzo(a)anthracene
 Concen: 6.70 ng
 RT: 15.87 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: BF079507.D
 Acq: 27 May 2015 7:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.8	34.2
229	19.9	15.9	23.9





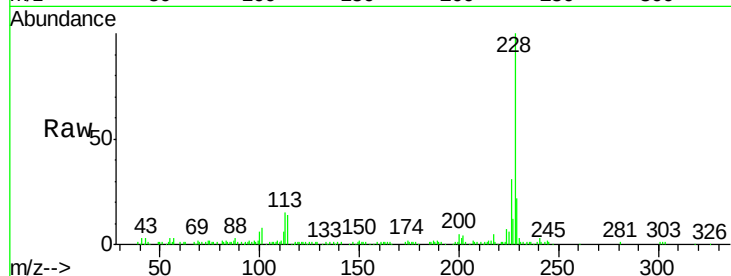
#82
Chrysene
Concen: 6.04 ng
RT: 15.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Instrument :
BNA_F
ClientSampleId :
SB-30AS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.4
229	21.7	15.9	23.9

Manual Integrations
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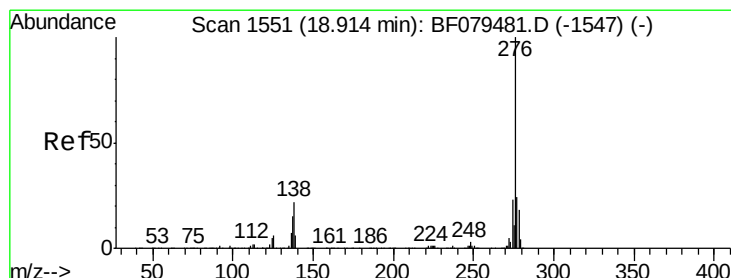
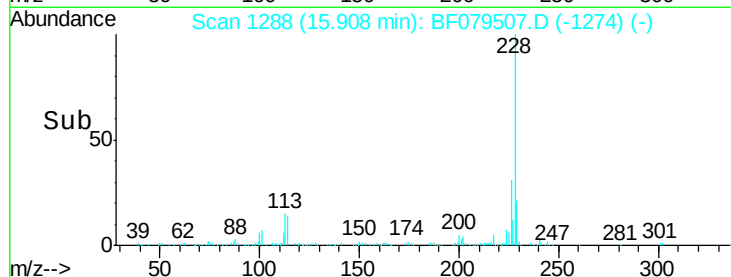
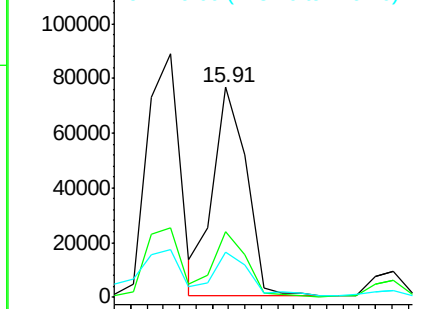


Abundance

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



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.36 ng
RT: 18.91 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

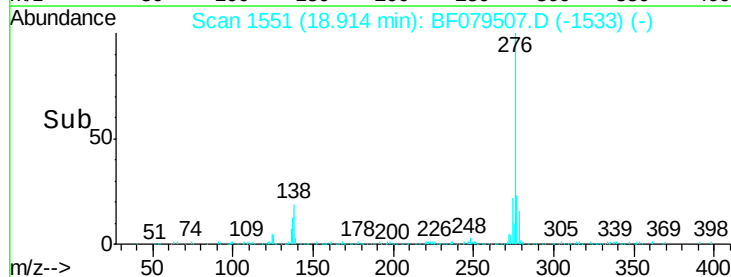
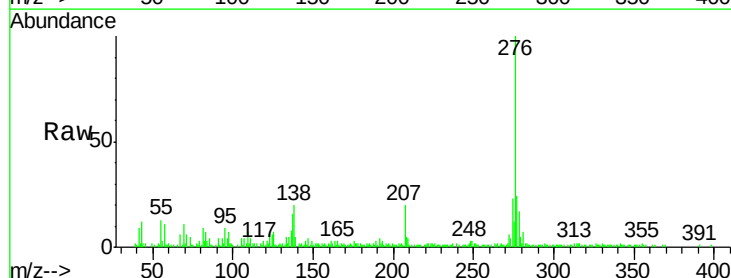
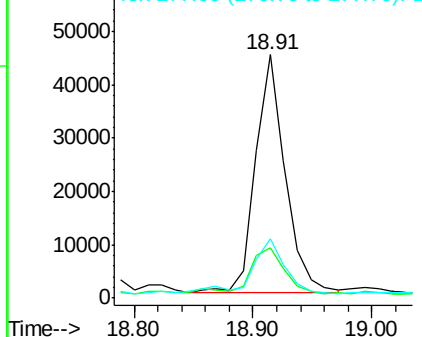
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.4	32.2
277	26.6	19.8	29.6

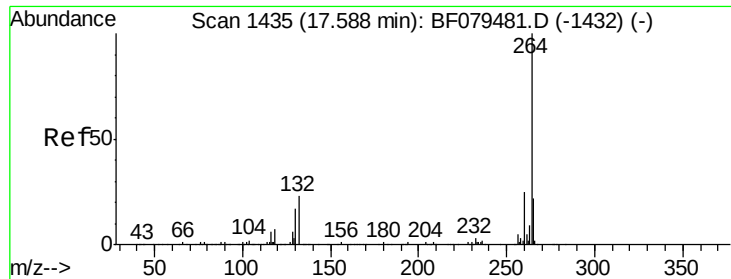
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





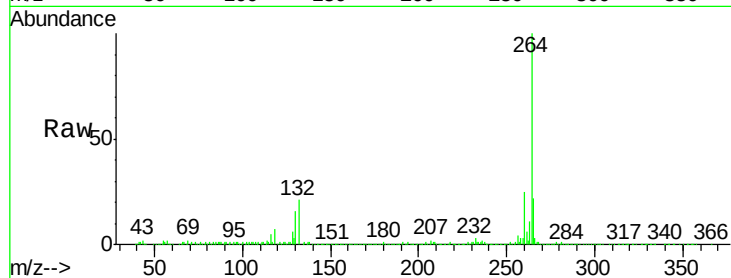
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.59 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Instrument :
BNA_F
ClientSampleId :
SB-30AS

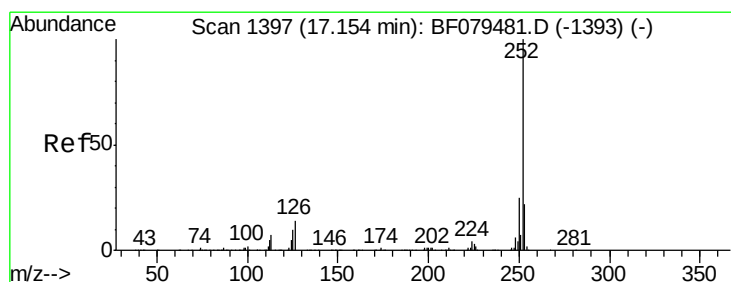
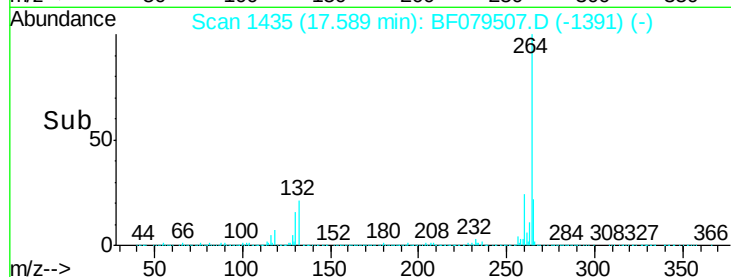
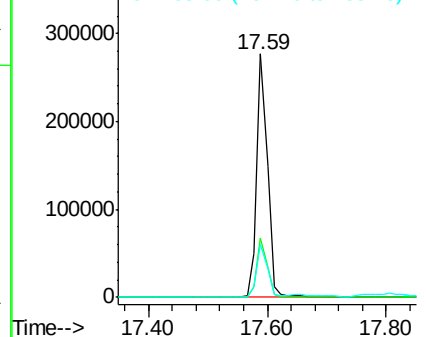
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	21.8	17.8	26.6

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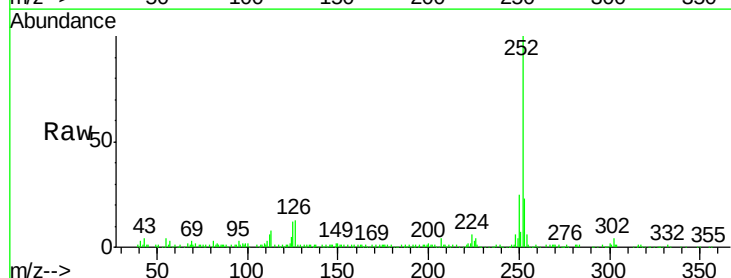


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

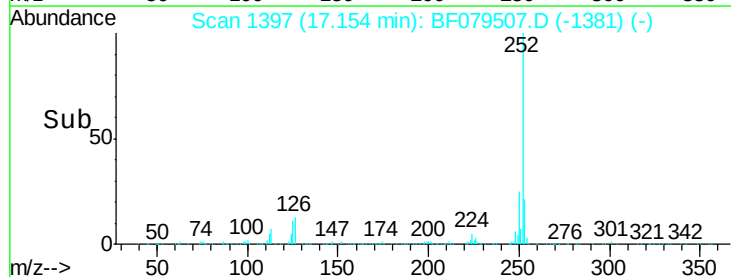
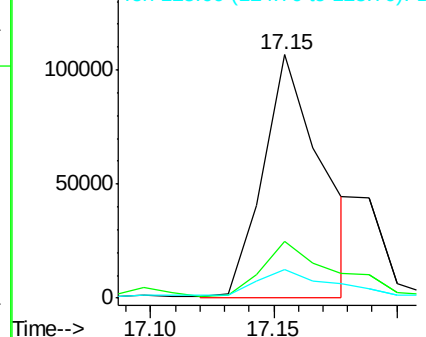


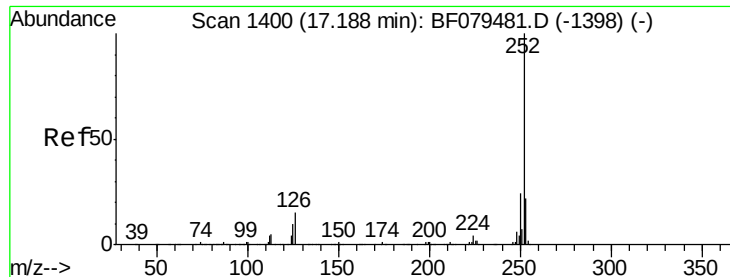
#87
Benzo(b)fluoranthene
Concen: 9.01 ng m
RT: 17.15 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	11.8	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





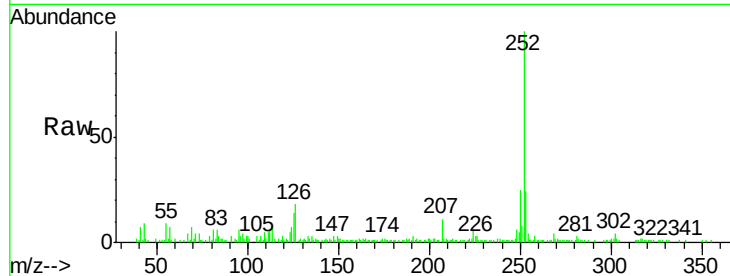
#88
Benzo(k)fluoranthene
Concen: 2.09 ng/mL
RT: 17.18 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Instrument :
BNA_F
ClientSampled :
SB-30AS

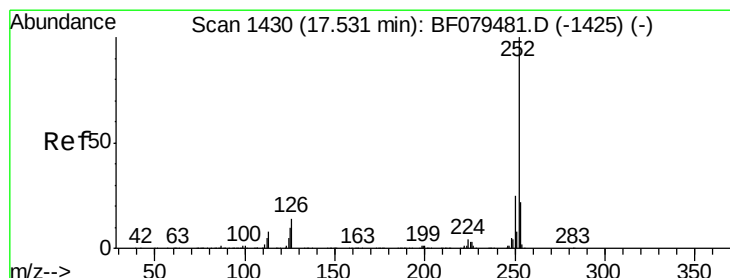
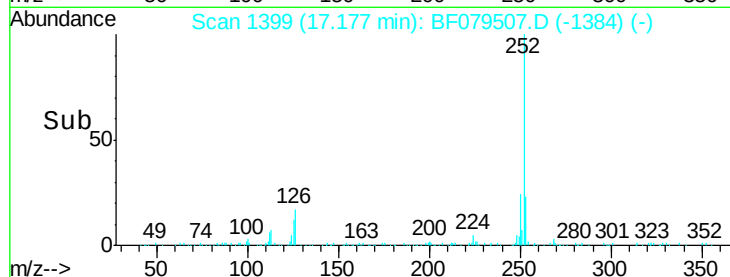
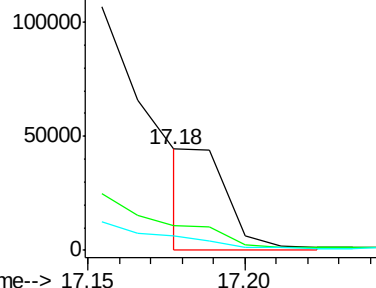
Tot Ion	Ratio	Resp	Lower	Upper
252	100	36954		
253	24.1	17.2	25.8	
125	14.0	6.8	10.2	

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 5.49 ng/mL
RT: 17.53 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BF079507.D
Acq: 27 May 2015 7:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	124569		
253	22.5	17.8	26.8	
125	9.1	7.9	11.9	

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

