

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079456.D
 Acq On : 23 May 2015 5:02
 Operator : TP/IZ
 Sample : G2289-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Manual Integrations
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Quant Time: May 23 06:52:05 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 23 06:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	71860	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	289070	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	137394	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	266384	20.00	ng	0.00
75) Chrysene-d12	15.91	240	256740	20.00	ng	0.00
86) Perylene-d12	17.60	264	266670	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	669941m	160.48	ng	0.01
7) Phenol-d6	6.63	99	842428m	152.67	ng	0.00
23) Nitrobenzene-d5	7.75	82	469737	93.39	ng	0.00
41) 2,4,6-Tribromophenol	11.77	330	245749	165.34	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	934019	94.71	ng	0.00
78) Terphenyl-d14	14.63	244	1023968	95.49	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.49	163	73632	7.30	ng	Qvalue # 95
70) Phenanthrene	12.66	178	219967	14.76	ng	99
71) Anthracene	12.72	178	65762	4.50	ng	100
74) Fluoranthene	14.14	202	411461	26.50	ng	94
77) Pyrene	14.41	202	361239	24.42	ng	99
80) Benzo(a)anthracene	15.90	228	187877	13.36	ng	99
82) Chrysene	15.94	228	138390	10.23	ng	98
85) Indeno(1,2,3-cd)pyrene	18.93	276	85131	4.94	ng	94
87) Benzo(b)fluoranthene	17.17	252	190326m	13.04	ng	
88) Benzo(k)fluoranthene	17.20	252	58427m	4.13	ng	
89) Benzo(a)pyrene	17.53	252	137723	10.25	ng	# 95
91) Benzo(a,h,i)perylene	19.31	276	83854	5.86	ng	# 94

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

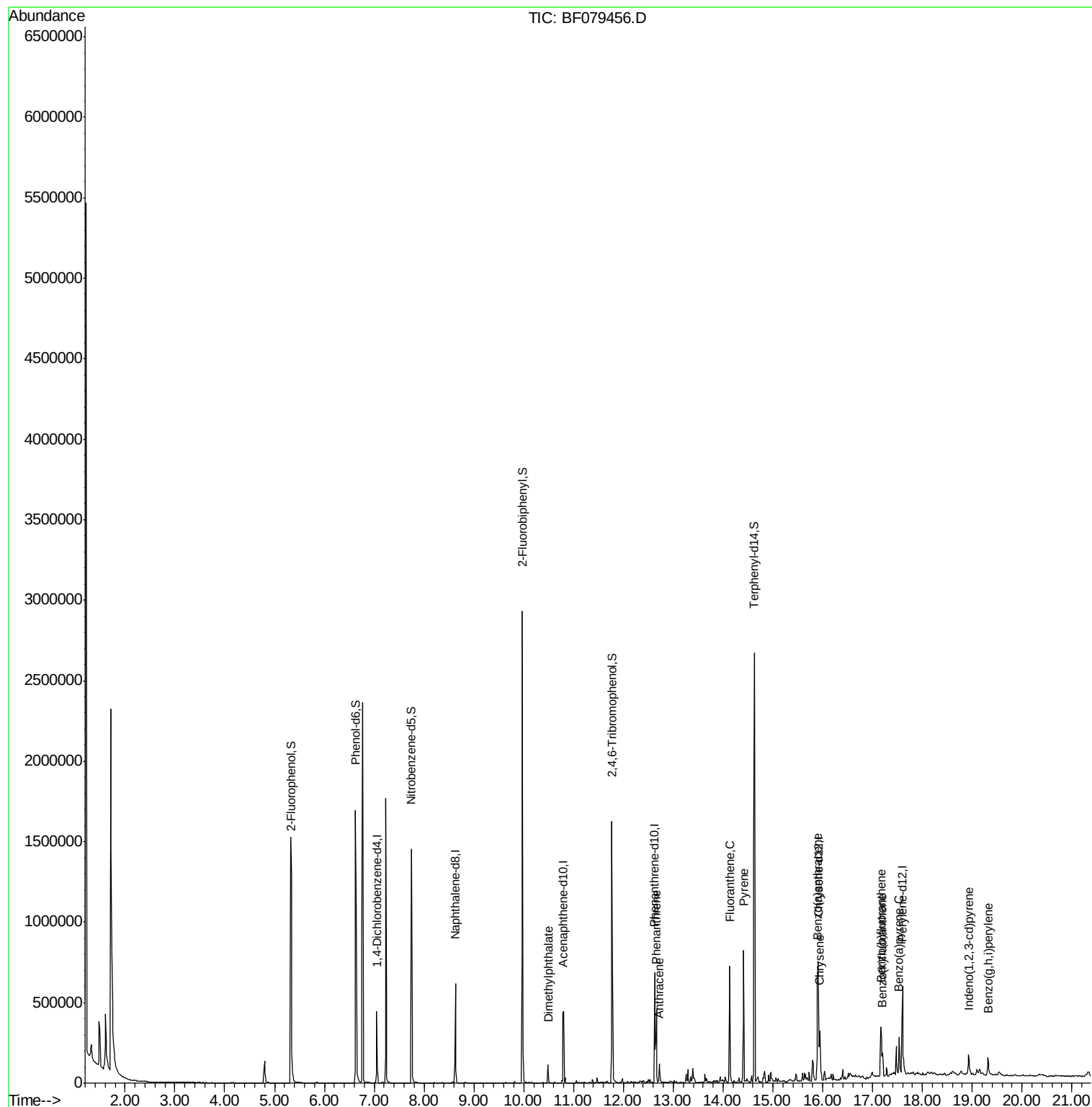
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

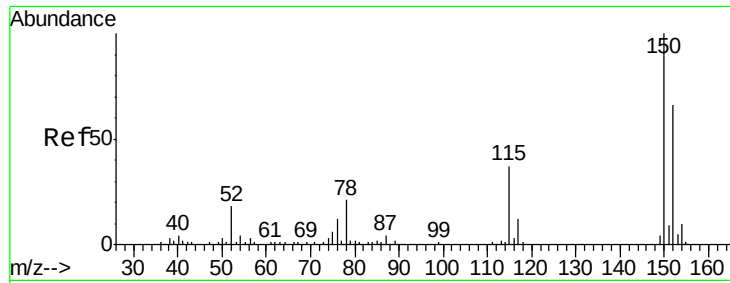
Instrument :
BNA_F
ClientSampleId :
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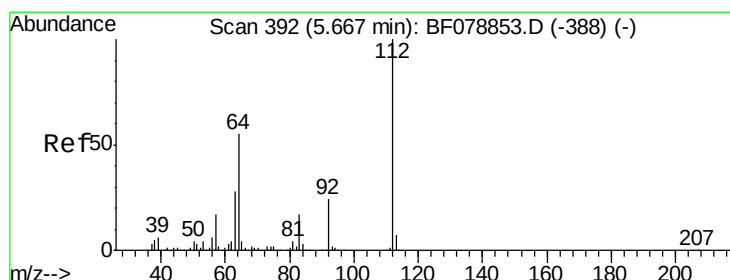
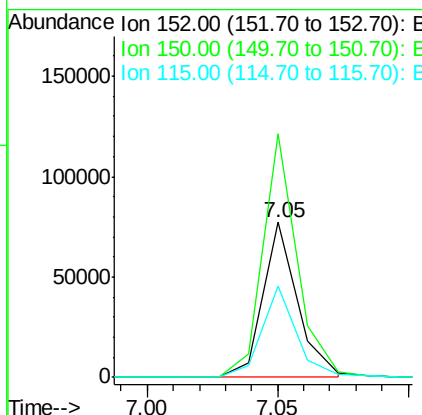
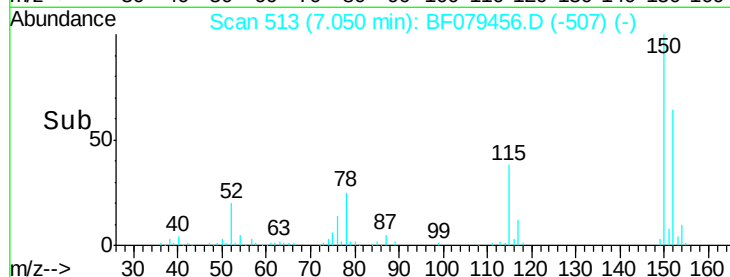
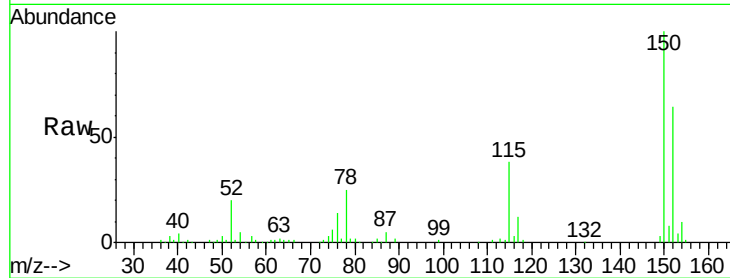
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079456.D
 Acq: 23 May 2015 5:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Tot Ion:	152	Resp:	71860
Ion Ratio	Lower	Upper	
152	100		
150	157.0	123.8	185.8
115	58.9	49.4	74.0

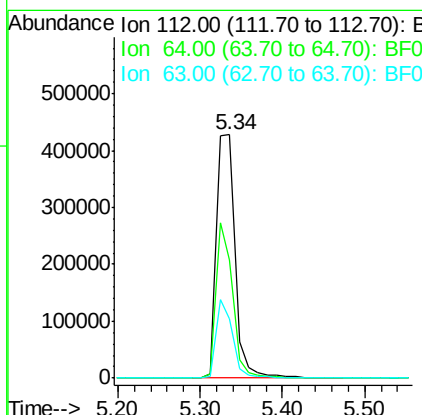
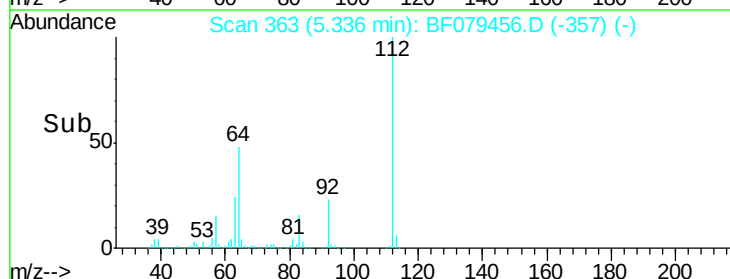
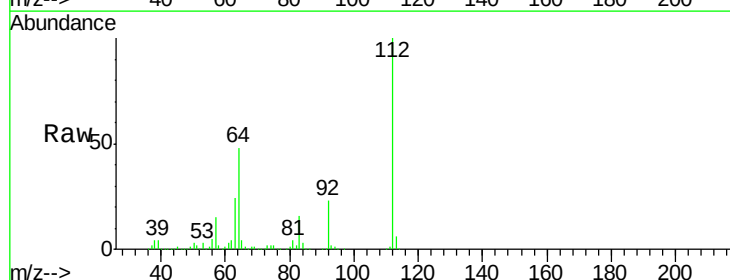
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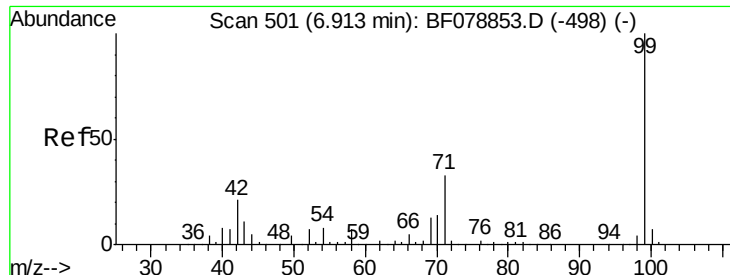
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#5
 2-Fluorophenol
 Concen: 160.48 ng m
 RT: 5.34 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: BF079456.D
 Acq: 23 May 2015 5:02

Tgt Ion:	112	Resp:	669941
Ion Ratio	Lower	Upper	
112	100		
64	48.3	44.2	66.2
63	24.4	22.7	34.1





#7

Phenol-d6

Concen: 152.67 ng/mL

RT: 6.63 min Scan# 476

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

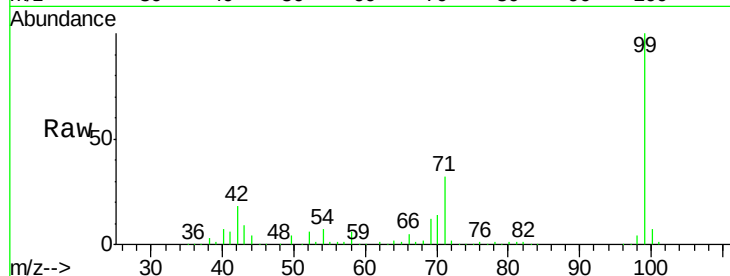
ClientSampleId :

SB-31S

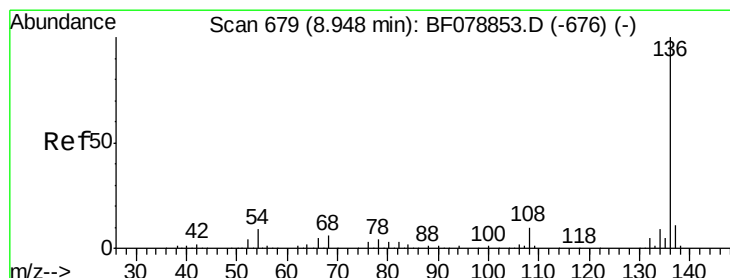
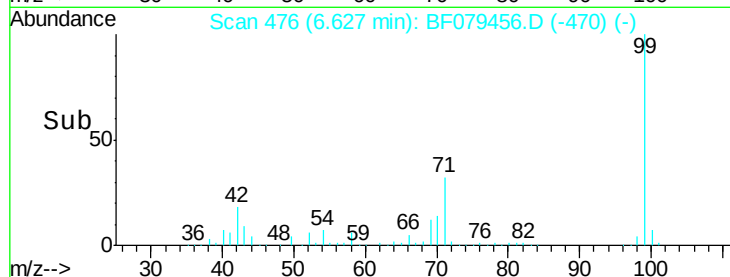
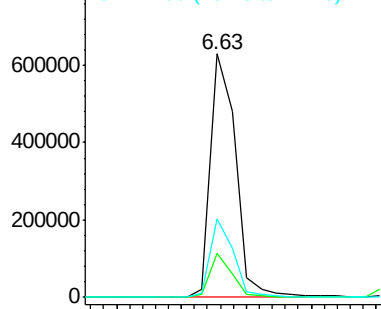
Tot Ion:	99	Resp:	842428
Ion	Ratio	Lower	Upper
99	100		
42	18.2	17.1	25.7
71	32.0	26.3	39.5

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Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng/mL

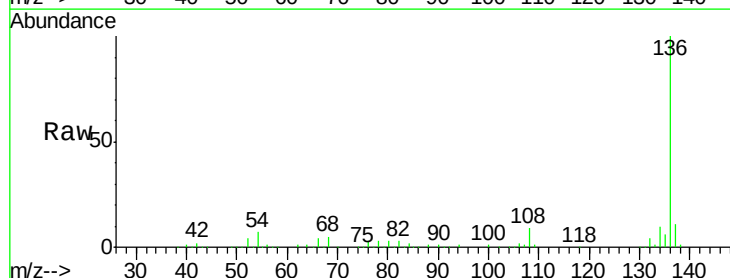
RT: 8.63 min Scan# 651

Delta R.T. -0.00 min

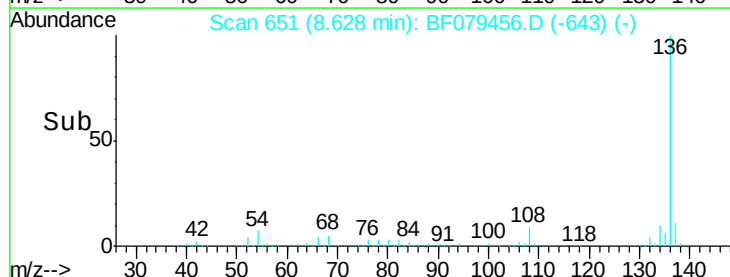
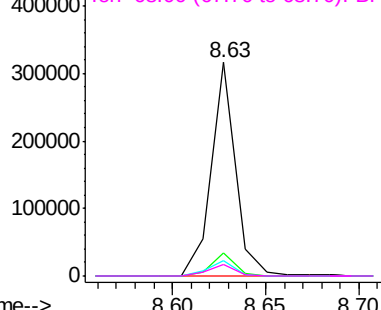
Lab File: BF079456.D

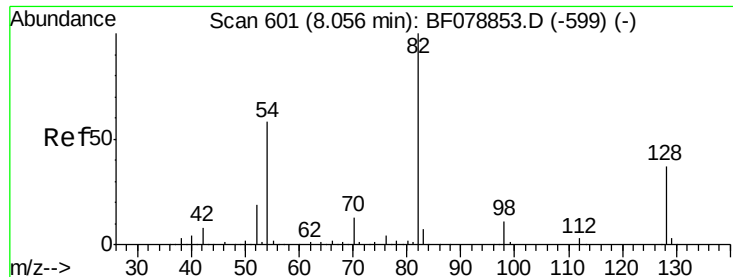
Acq: 23 May 2015 5:02

Tgt Ion:	136	Resp:	289070
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.9	6.9	10.3
68	5.5	4.9	7.3



Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)





#23

Nitrobenzene-d5

Concen: 93.39 ng

RT: 7.75 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

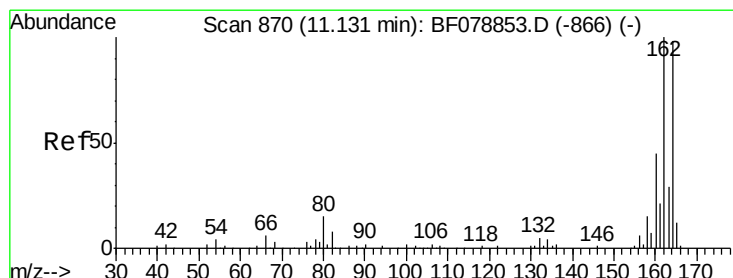
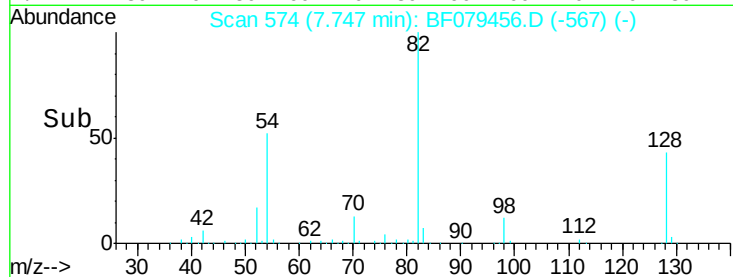
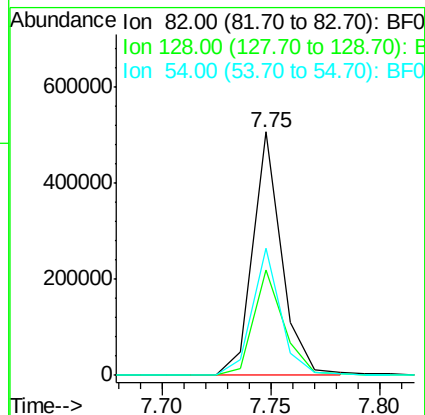
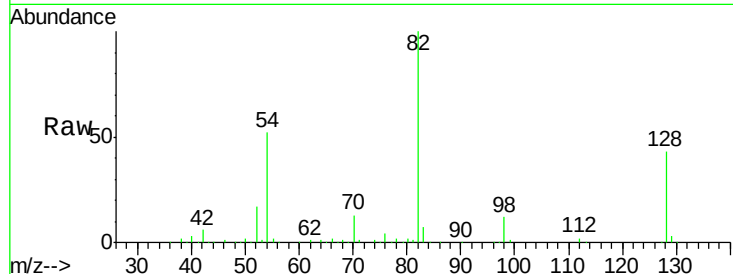
ClientSampleId :

SB-31S

Tot Ion:	82	Resp:	469737
Ion Ratio	Lower	Upper	
82	100		
128	43.2	29.7	44.5
54	52.0	46.2	69.4

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#38

Acenaphthene-d10

Concen: 20.00 ng

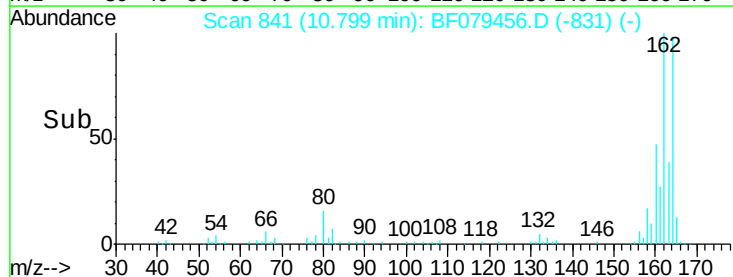
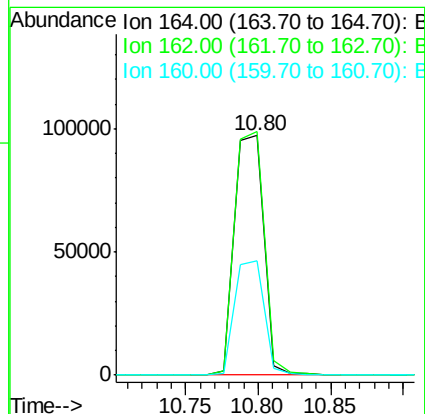
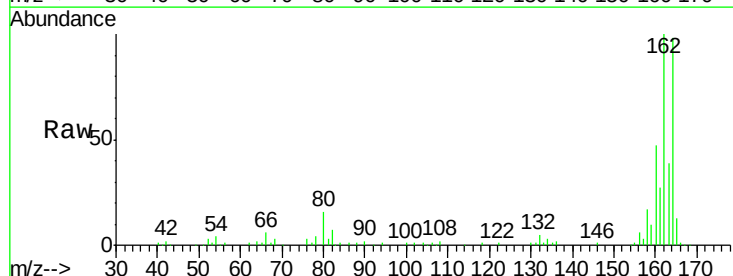
RT: 10.80 min Scan# 841

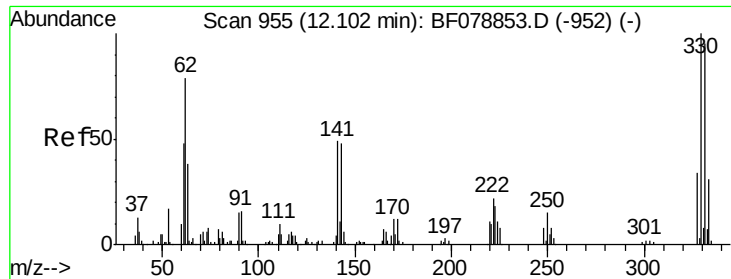
Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Tgt Ion:	164	Resp:	137394
Ion Ratio	Lower	Upper	
164	100		
162	101.6	81.4	122.0
160	47.5	36.6	54.8





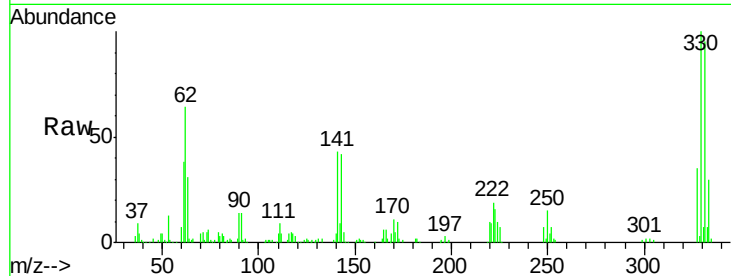
#41
 2,4,6-Tribromophenol
 Concen: 165.34 ng
 RT: 11.77 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF079456.D
 Acq: 23 May 2015 5:02

Instrument :
 BNA_F
 ClientSampled :
 SB-31S

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	32.4	27.8	41.8

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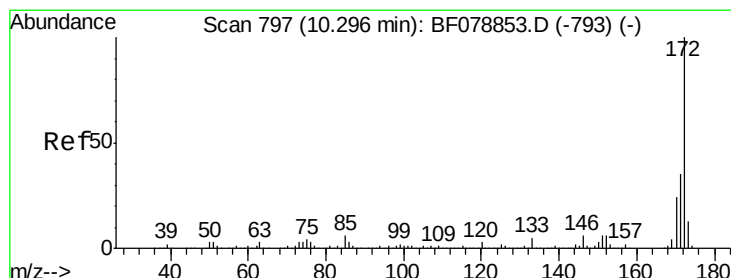
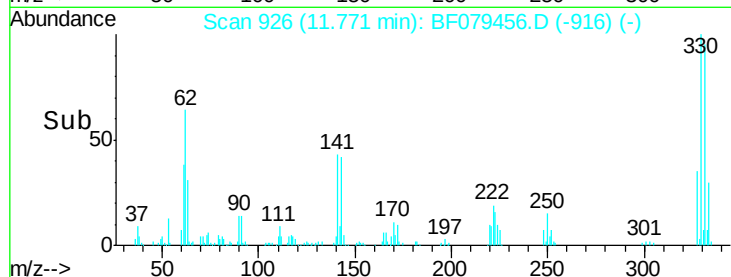
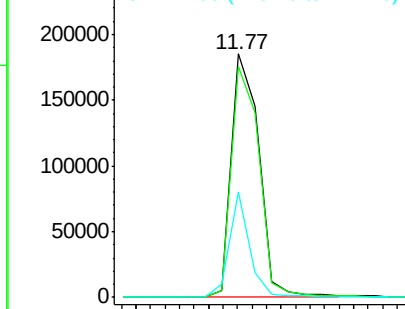


Abundance

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: 94.71 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079456.D
 Acq: 23 May 2015 5:02

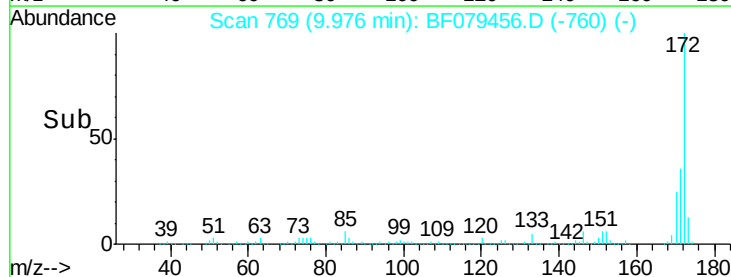
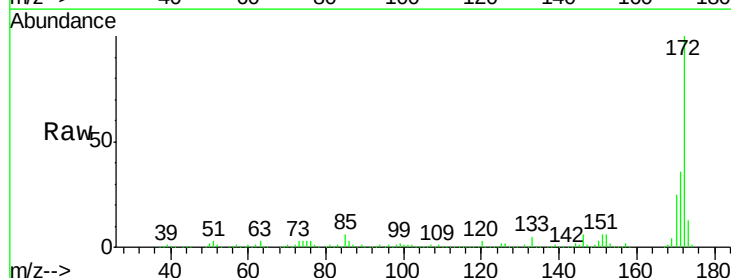
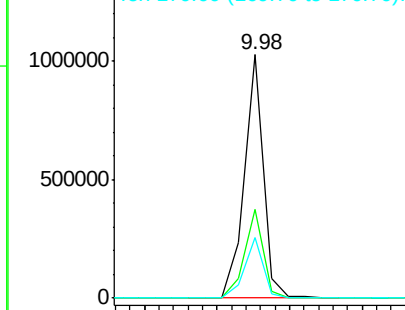
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.3	42.5
170	24.6	19.4	29.2

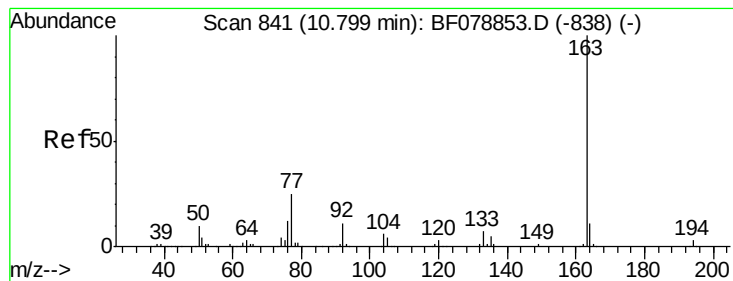
Abundance

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: 7.30 ng

RT: 10.49 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

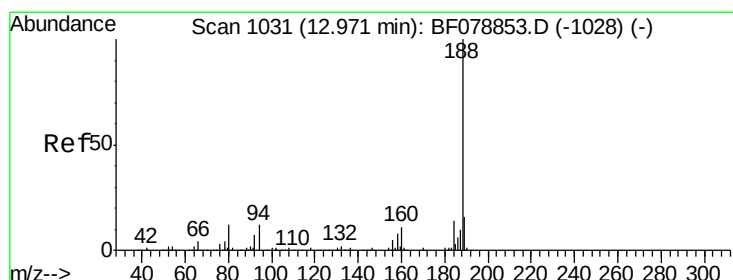
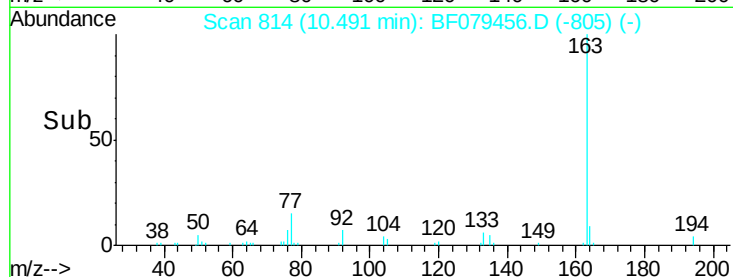
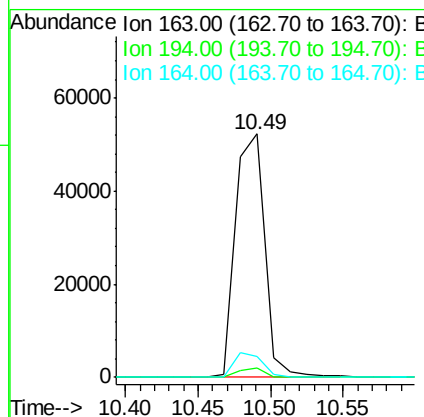
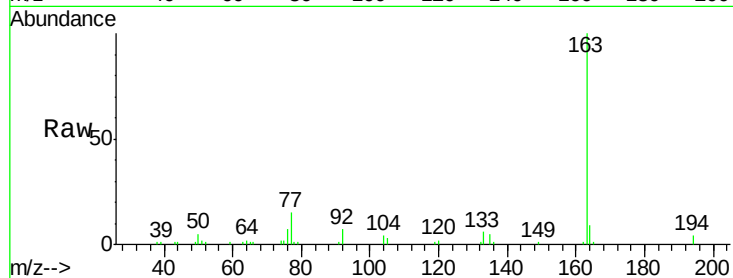
ClientSampleId :

SB-31S

Tot Ion	Ratio	Resp	Lower	Upper
163	100	73632		
194	3.8	2.4	3.6#	
164	8.7	8.6	12.8	

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#63

Phenanthrene-d10

Concen: 20.00 ng

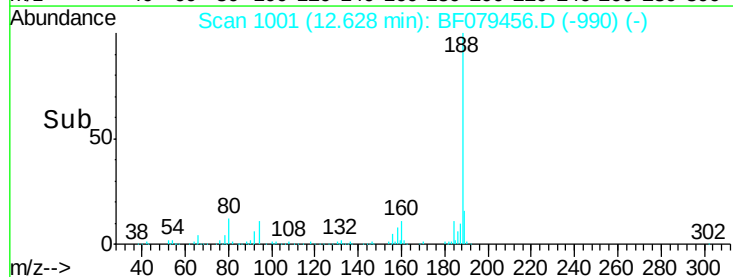
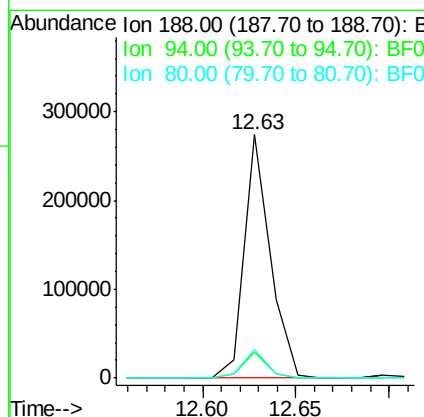
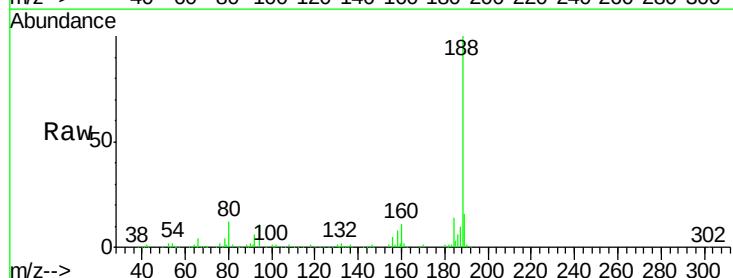
RT: 12.63 min Scan# 1001

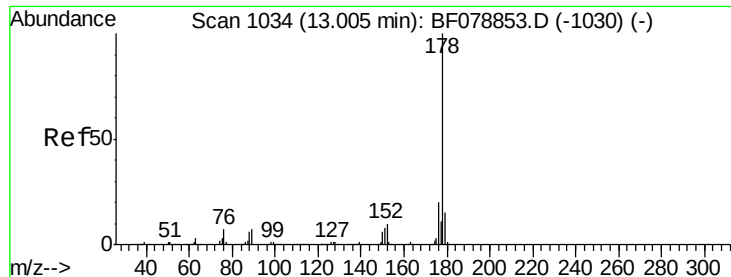
Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	266384		
94	10.7	9.4	14.0	
80	11.6	9.8	14.6	





#70

Phenanthrene

Concen: 14.76 ng

RT: 12.66 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

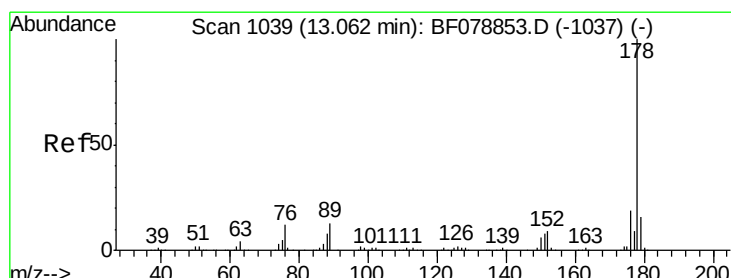
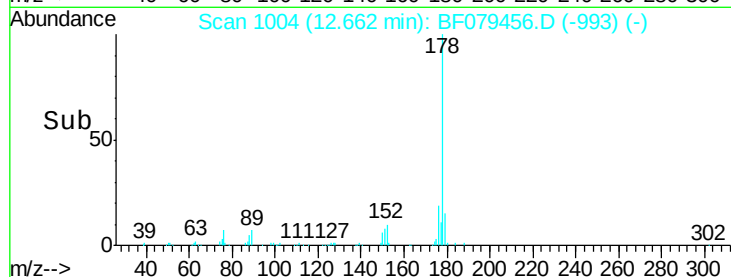
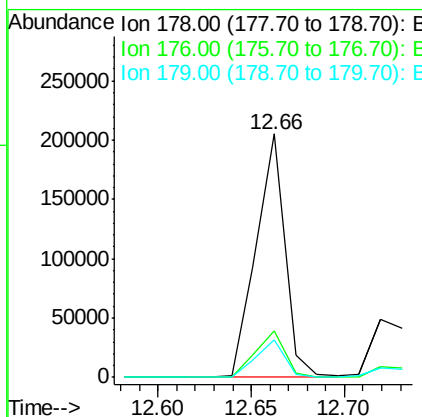
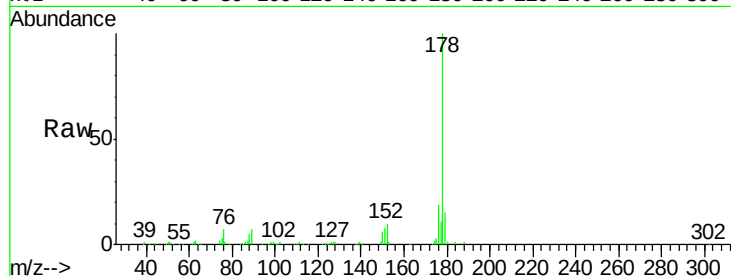
ClientSampleId :

SB-31S

Tot Ion:	178	Resp:	219967
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.9	23.9
179	15.2	12.2	18.4

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#71

Anthracene

Concen: 4.50 ng

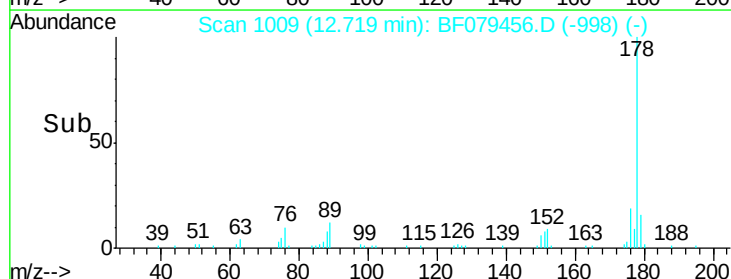
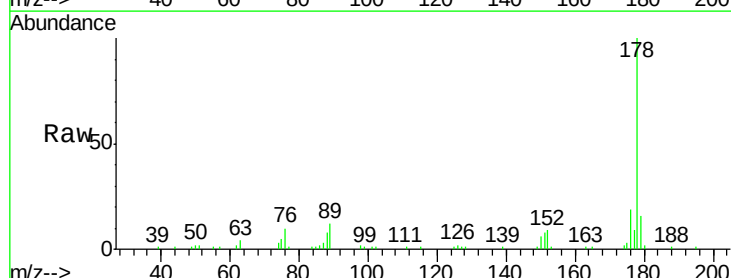
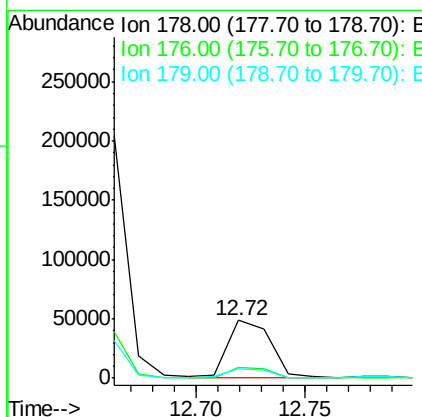
RT: 12.72 min Scan# 1009

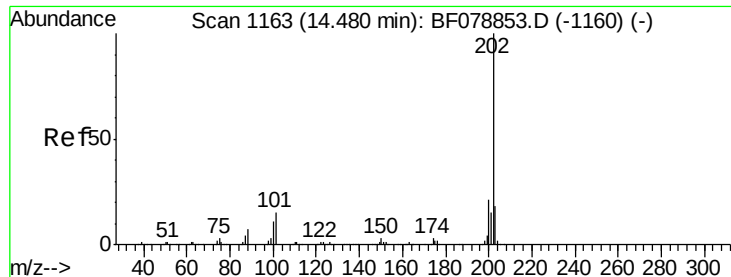
Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Tgt Ion:	178	Resp:	65762
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	16.1	12.6	19.0





#74

Fluoranthene

Concen: 26.50 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

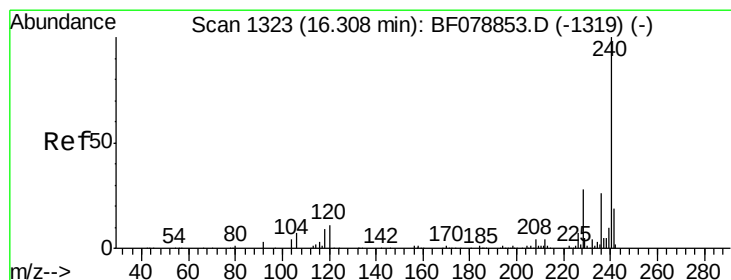
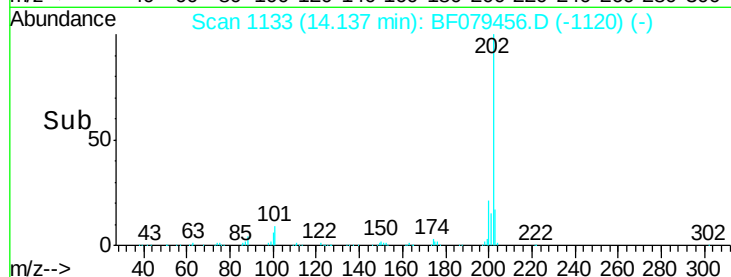
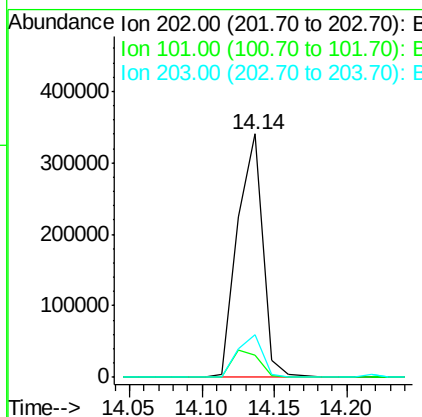
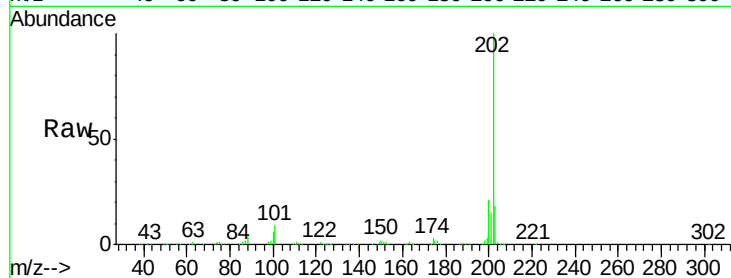
ClientSampleId :

SB-31S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		411461		
101	9.2	0.0	34.7		
203	17.5	0.0	37.9		

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#75

Chrysene-d12

Concen: 20.00 ng

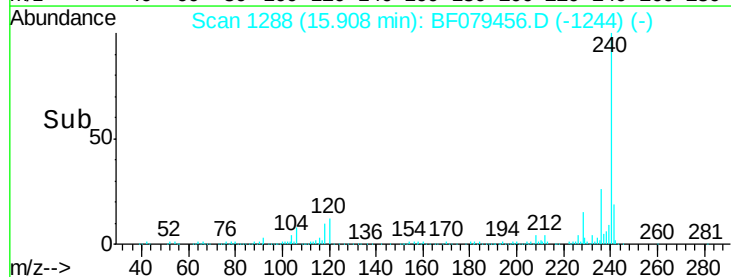
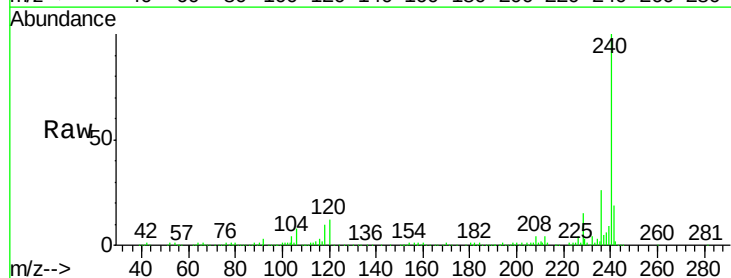
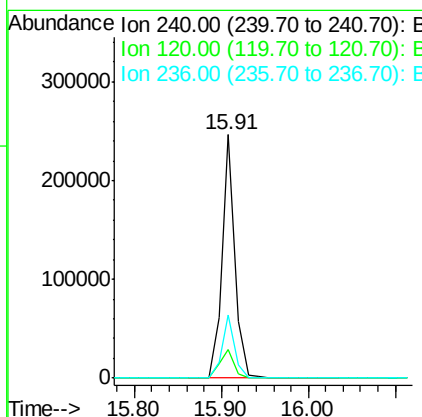
RT: 15.91 min Scan# 1288

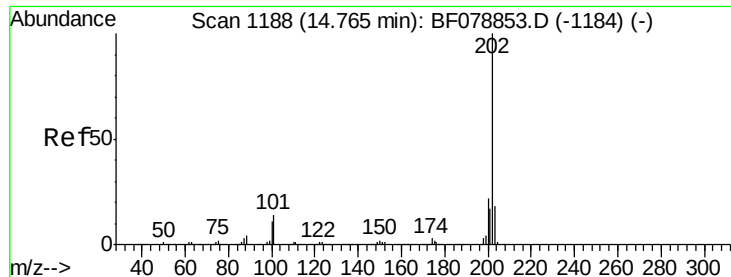
Delta R.T. -0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		256740		
120	12.0	8.6	12.8		
236	26.1	21.0	31.6		





#77

Pvrene

Concen: 24.42 ng

RT: 14.41 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

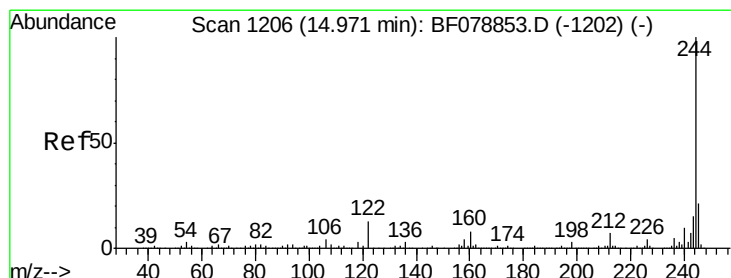
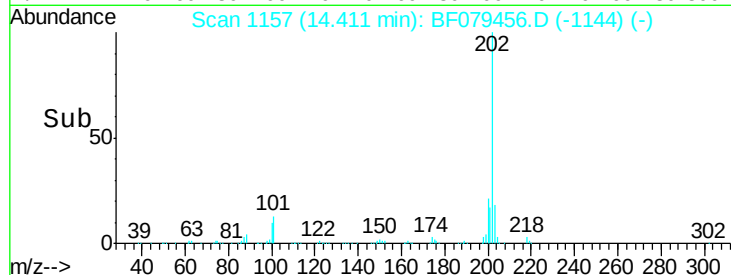
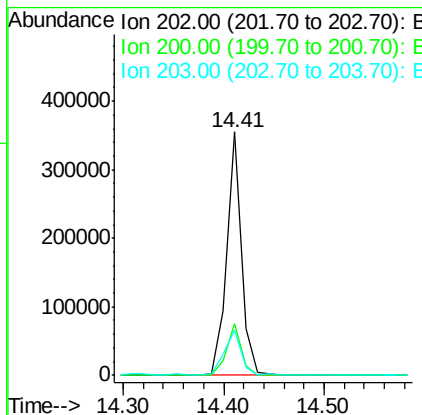
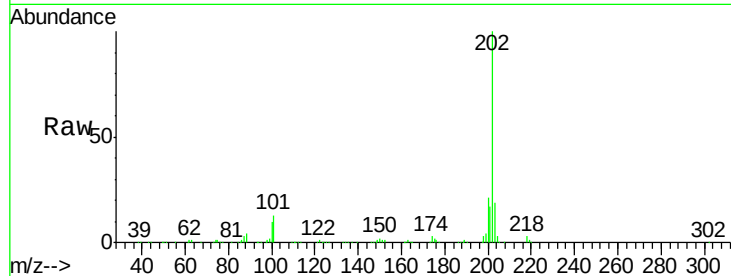
ClientSampleId :

SB-31S

Tot Ion:	202	Resp:	361239
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.5	26.3
203	18.6	14.7	22.1

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#78

Terphenyl-d14

Concen: 95.49 ng

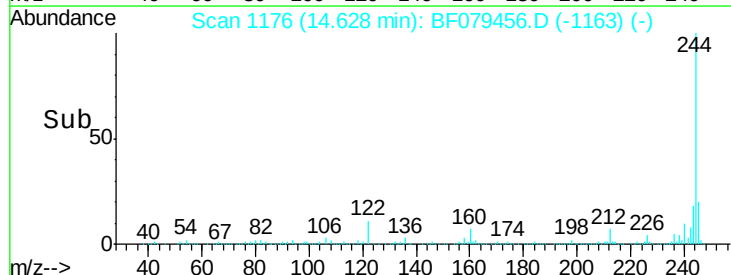
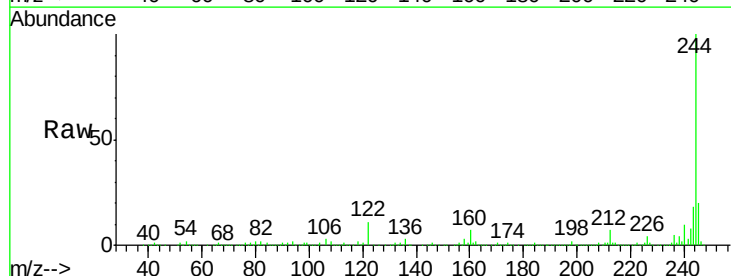
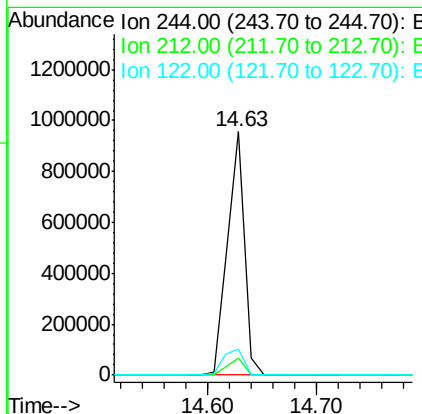
RT: 14.63 min Scan# 1176

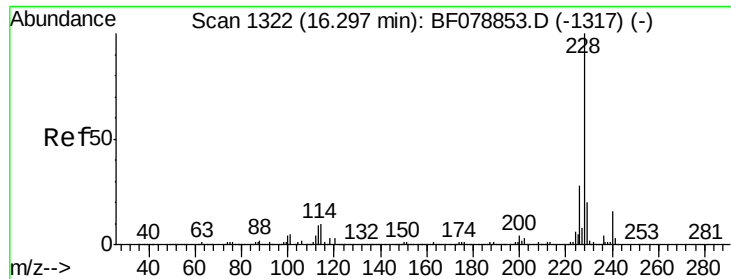
Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Tgt Ion:	244	Resp:	1023968
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.7	10.5	15.7





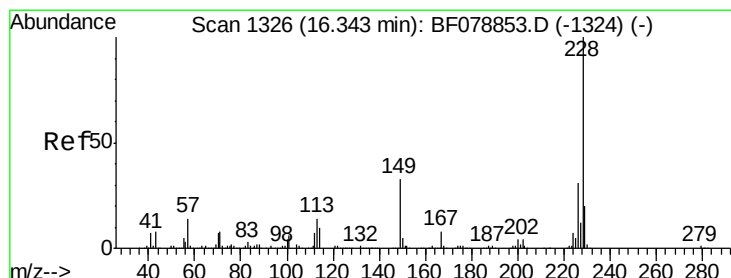
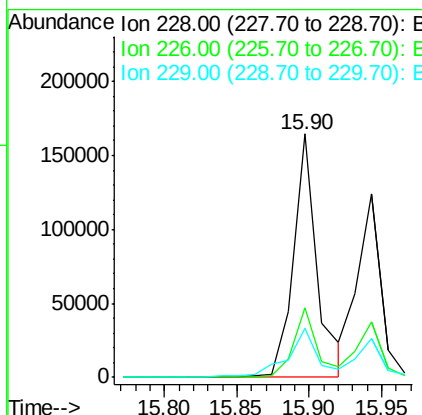
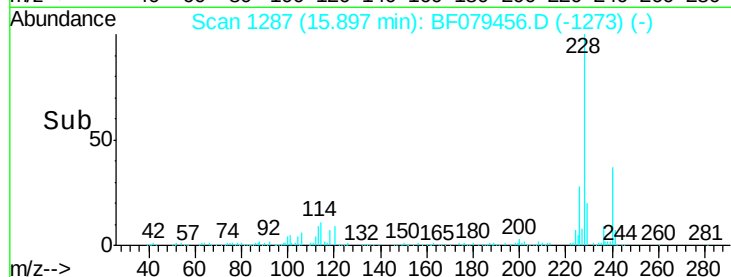
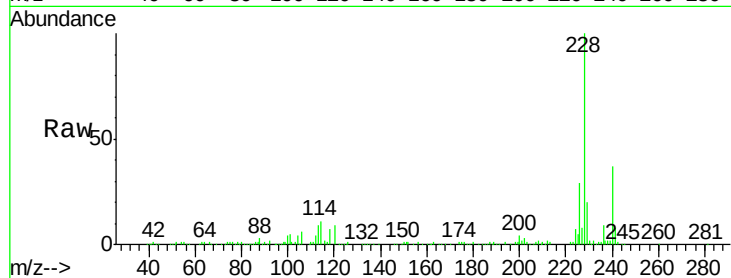
#80
Benzo(a)anthracene
Concen: 13.36 ng
RT: 15.90 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BF079456.D
Acq: 23 May 2015 5:02

Instrument :
BNA_F
ClientSampleId :
SB-31S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	28.5	22.3	33.5		
229	20.0	16.1	24.1		

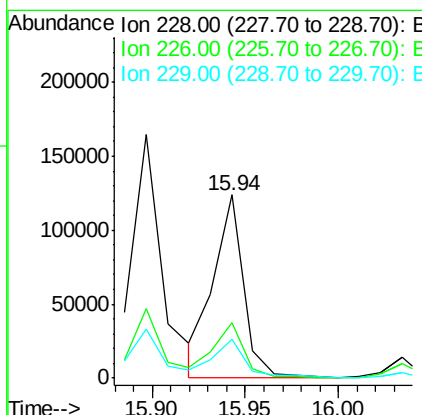
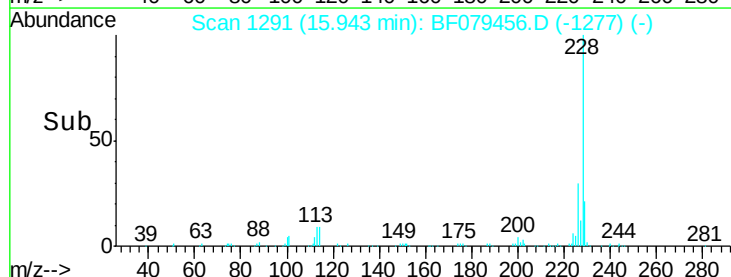
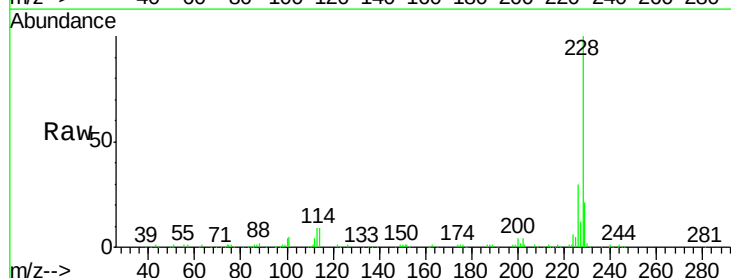
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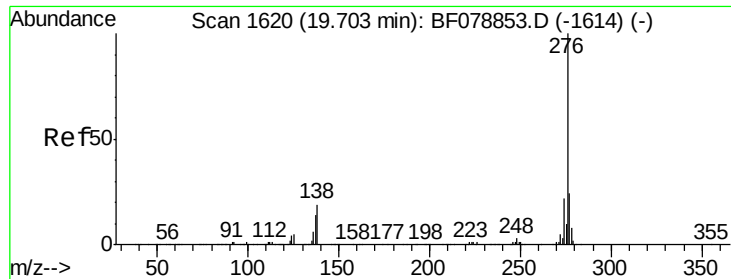
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#82
Chrysene
Concen: 10.23 ng
RT: 15.94 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF079456.D
Acq: 23 May 2015 5:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.1	24.8	37.2		
229	21.3	16.1	24.1		





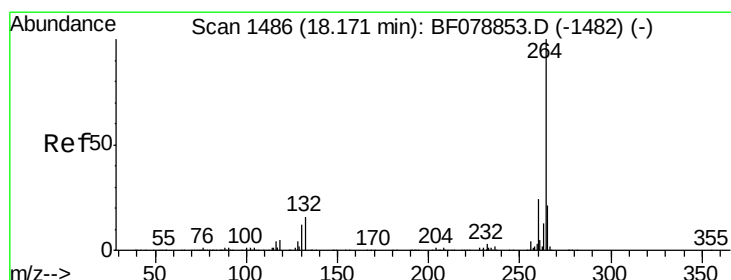
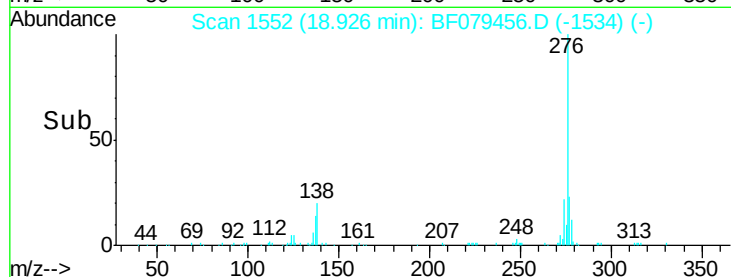
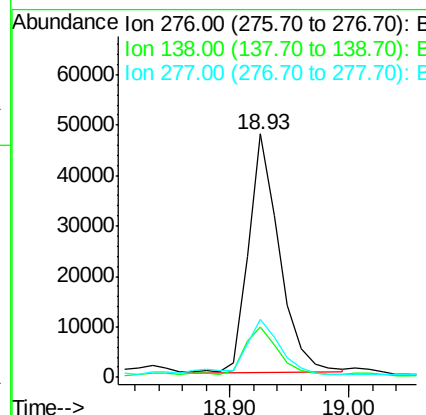
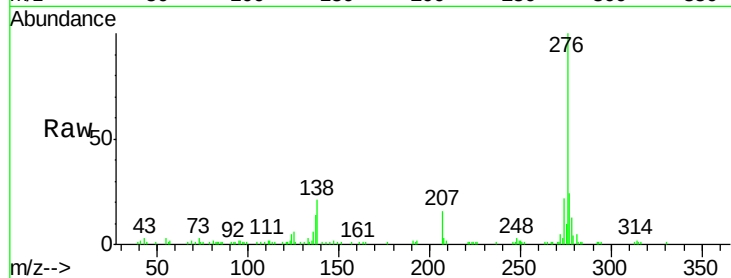
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.94 ng
RT: 18.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF079456.D
Acq: 23 May 2015 5:02

Instrument :
BNA_F
ClientSampleId :
SB-31S

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.1	31.7
277	28.4	19.9	29.9

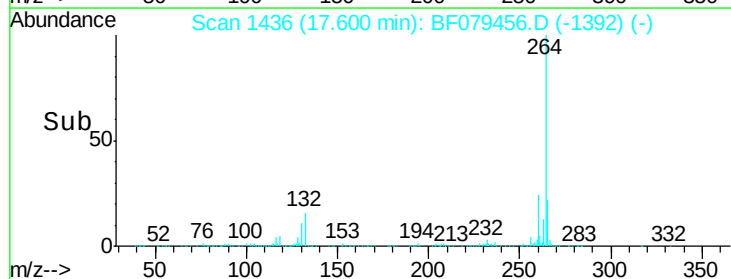
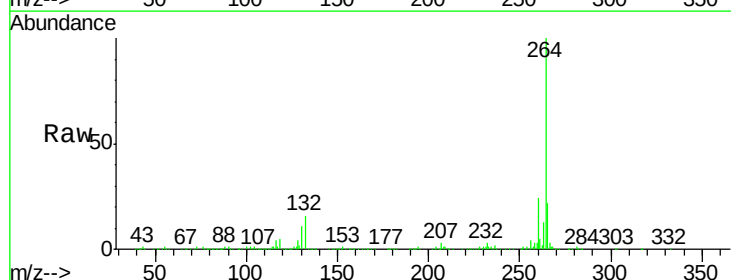
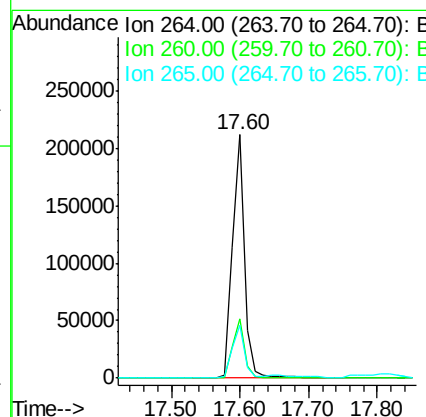
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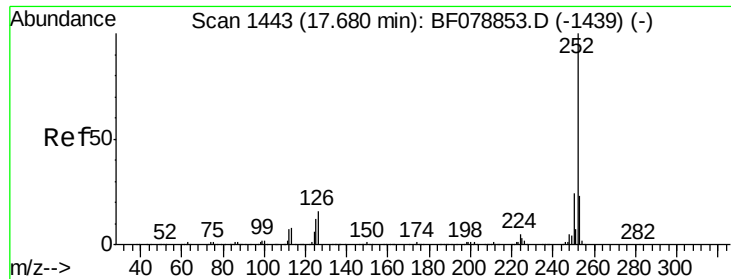
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BF079456.D
Acq: 23 May 2015 5:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 13.04 ng m

RT: 17.17 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BF079456.D

Acq: 23 May 2015 5:02

Instrument :

BNA_F

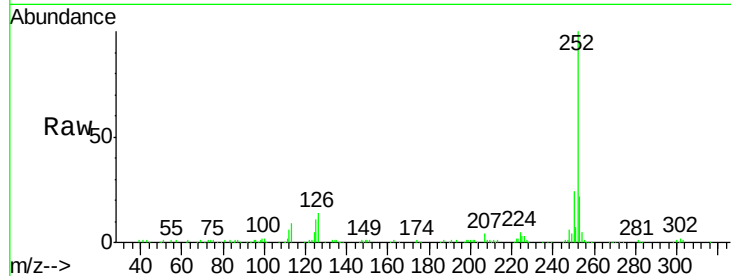
ClientSampleId :

SB-31S

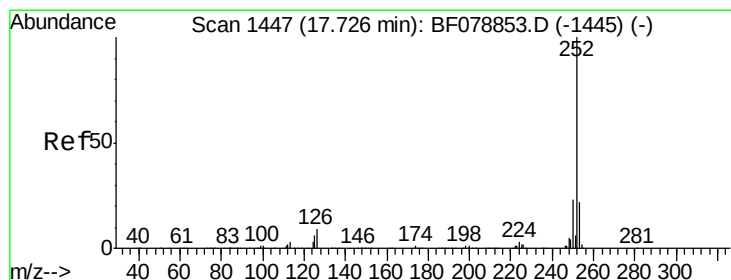
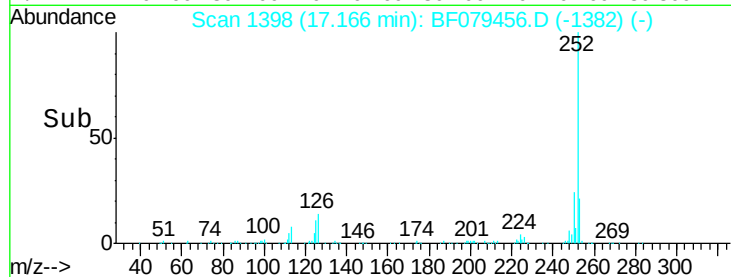
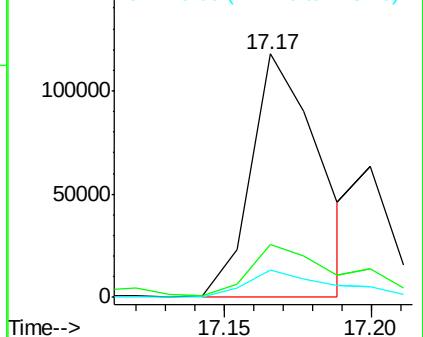
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	11.1	9.4	14.2

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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



#88

Benzo(k)fluoranthene

Concen: 4.13 ng m

RT: 17.20 min Scan# 1401

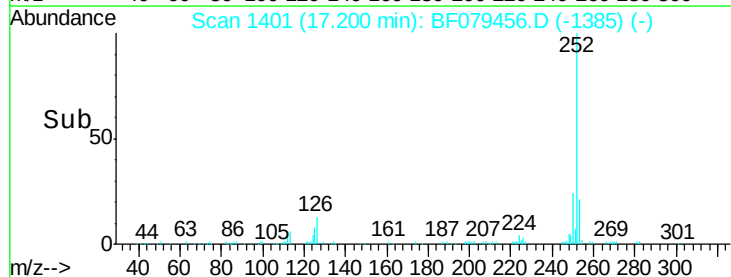
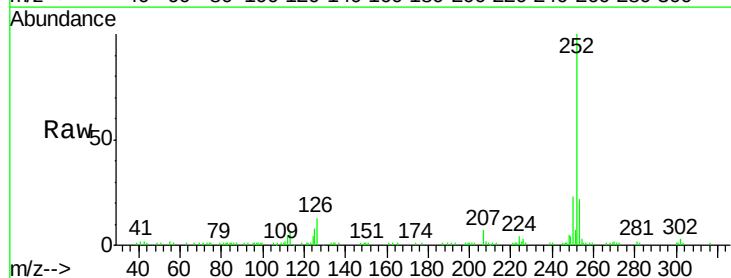
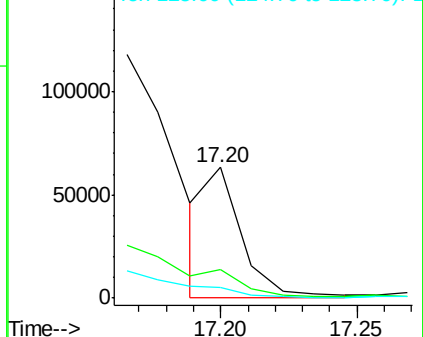
Delta R.T. 0.00 min

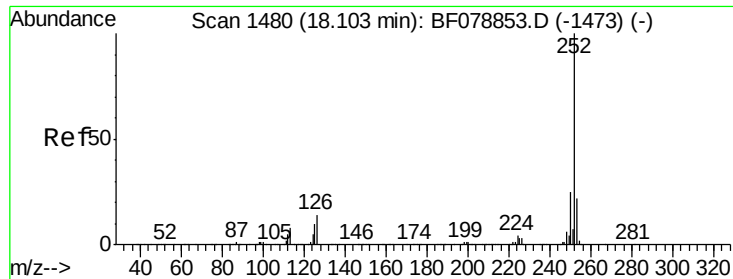
Lab File: BF079456.D

Acq: 23 May 2015 5:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.0	6.1	9.1

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





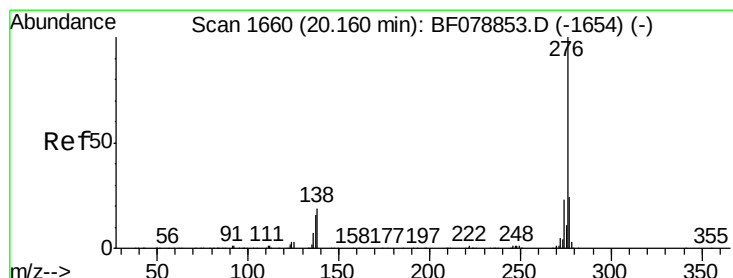
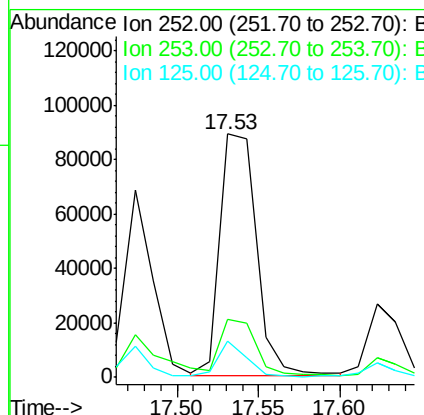
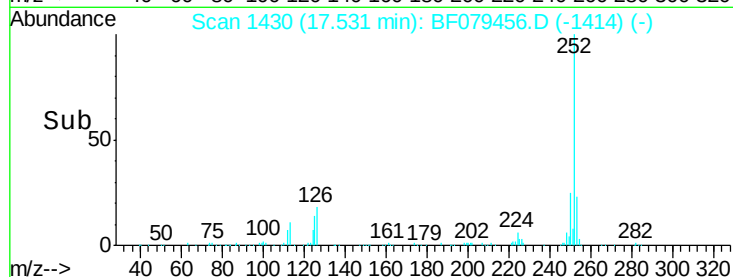
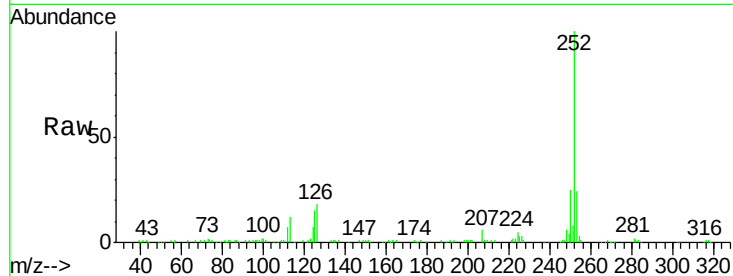
#89
Benzo(a)pyrene
Concen: 10.25 ng
RT: 17.53 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BF079456.D
Acq: 23 May 2015 5:02

Instrument :
BNA_F
ClientSampleId :
SB-31S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	14.7	8.2	12.2

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#91
Benzo(g,h,i)perylene
Concen: 5.86 ng
RT: 19.31 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF079456.D
Acq: 23 May 2015 5:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	24.5	15.2	22.8

