

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078630.D
 Acq On : 18 Apr 2015 8:04
 Operator : TP/IZ
 Sample : G1880-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3-1-4

Manual Integrations
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Quant Time: Apr 20 01:15:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	35813	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	155511	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	80876	20.00	ng	-0.01
63) Phenanthrene-d10	12.22	188	161646	20.00	ng	0.00
75) Chrysene-d12	15.47	240	165928	20.00	ng	0.01
86) Perylene-d12	17.14	264	171433	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	256965	118.30	ng	0.00
7) Phenol-d6	6.28	99	327641	120.36	ng	0.00
23) Nitrobenzene-d5	7.38	82	212647	82.88	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	98697	147.14	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	444077	78.49	ng	0.00
78) Terphenyl-d14	14.22	244	559983	76.26	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.11	163	18755	3.09	ng	99
59) Diethylphthalate	10.98	149	13632	2.33	ng	96
70) Phenanthrene	12.25	178	235598	25.20	ng	99
71) Anthracene	12.31	178	50307	5.46	ng	97
72) Carbazole	12.53	167	21617	2.50	ng	# 92
73) Di-n-butylphthalate	13.01	149	25417	2.60	ng	# 91
74) Fluoranthene	13.71	202	353024	35.80	ng	91
77) Pyrene	13.98	202	311645	29.92	ng	# 91
80) Benzo(a)anthracene	15.46	228	179622	18.19	ng	96
82) Chrysene	15.51	228	148822	16.04	ng	97
83) Bis(2-ethylhexyl)phthalate	15.57	149	49595	7.96	ng	100
85) Indeno(1,2,3-cd)pyrene	18.31	276	100119	9.51	ng	# 86
87) Benzo(b)fluoranthene	16.72	252	217352m	20.51	ng	
88) Benzo(k)fluoranthene	16.74	252	36835m	3.91	ng	
89) Benzo(a)pyrene	17.07	252	131305	14.20	ng	# 80
90) Dibenzo(a,h)anthracene	18.32	278	24725m	2.67	ng	
91) Benzo(a,h,i)perylene	18.63	276	95985	10.34	ng	99

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

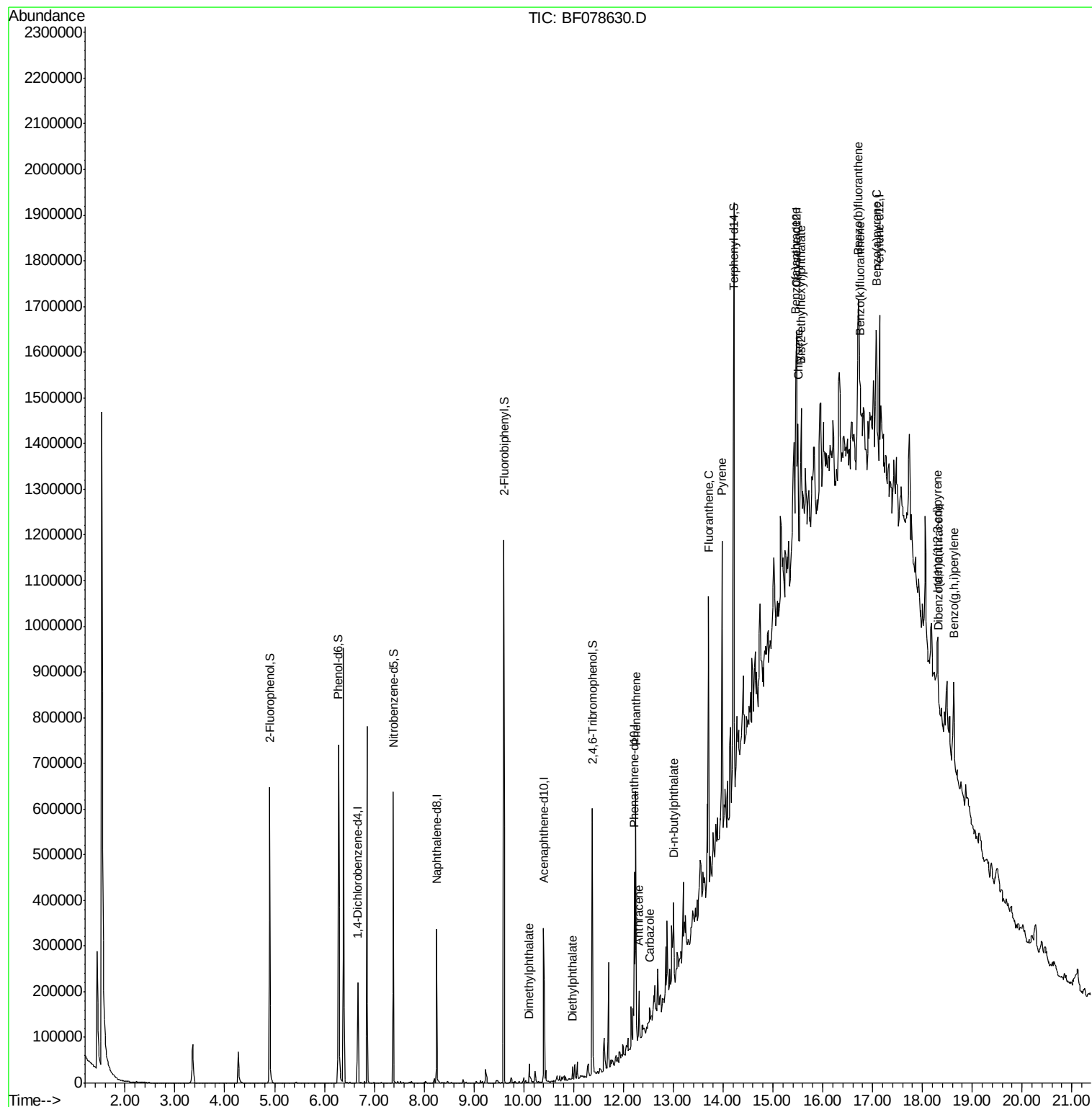
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078630.D
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ALS Vial : 27 Sample Multiplier: 1

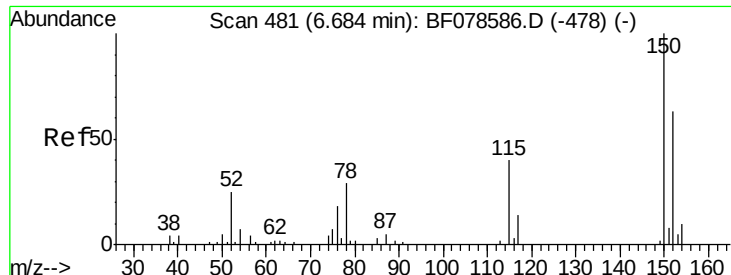
Instrument :
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S3-1-4

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Quant Time: Apr 20 01:15:30 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

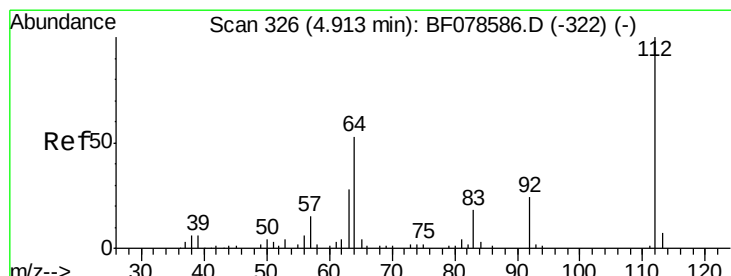
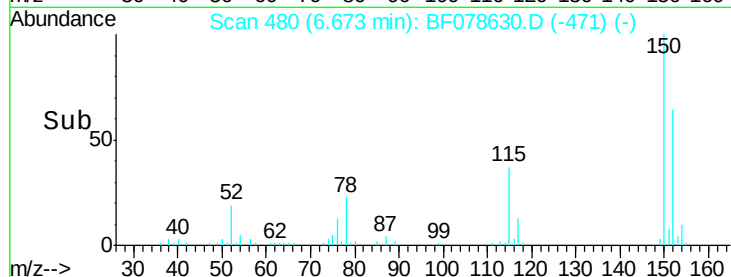
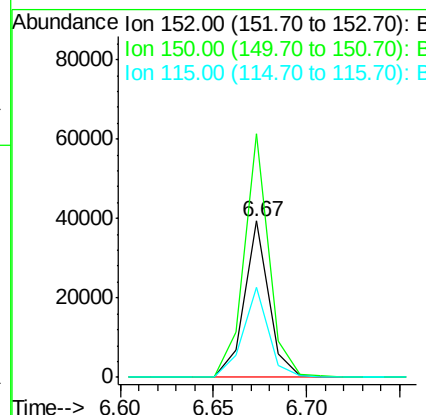
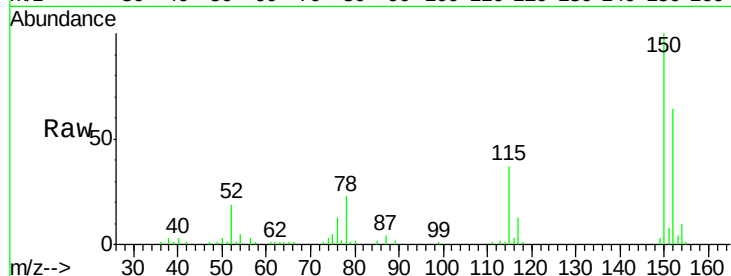
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Instrument :
BNA_F
ClientSampleId :
S3-1-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.9	188.9
115	58.1	52.7	79.1

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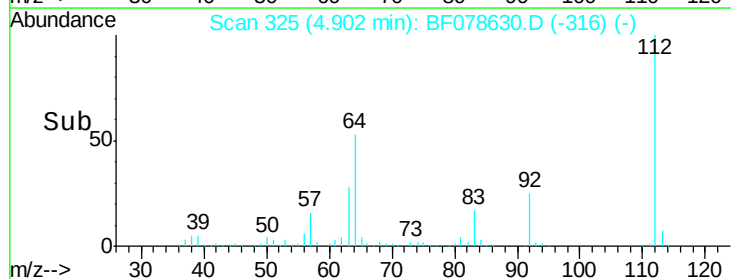
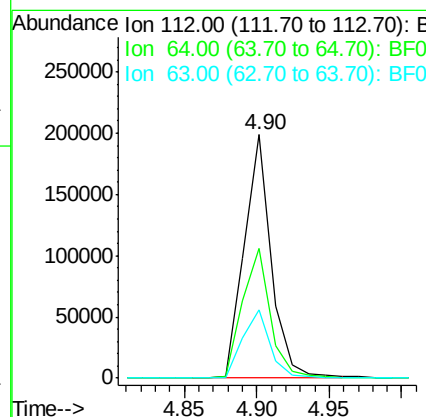
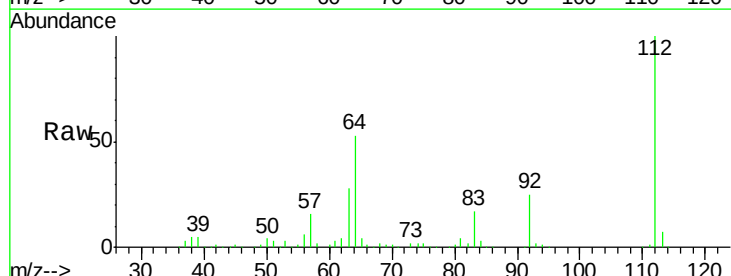
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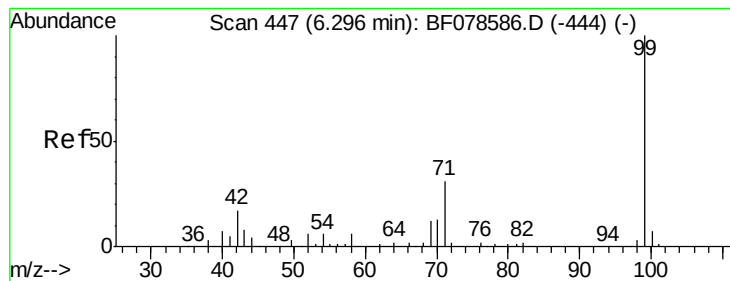


#5

2-Fluorophenol
Concen: 118.30 ng
RT: 4.90 min Scan# 325
Delta R.T. 0.00 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	39.9	59.9
63	28.1	20.2	30.4





#7

Phenol-d6

Concen: 120.36 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

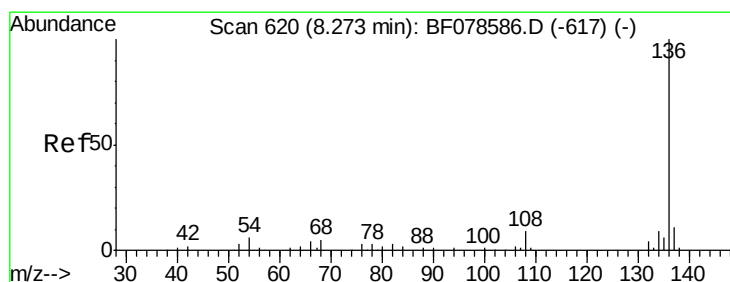
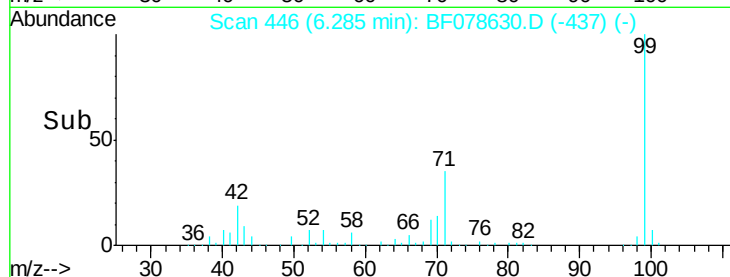
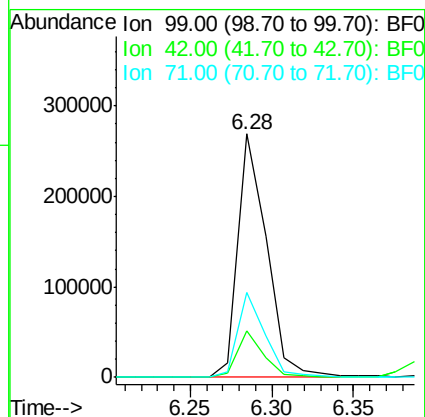
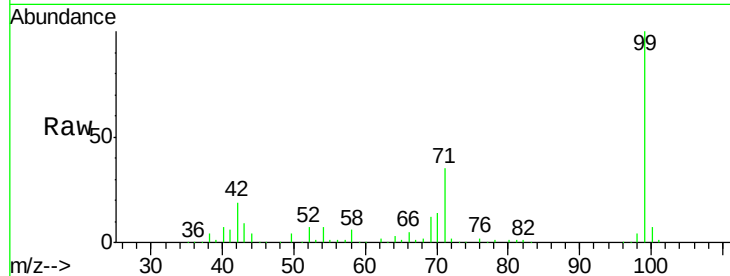
ClientSampleId :

S3-1-4

Tot Ion:	99	Resp:	327641
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.8	22.2
71	34.6	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

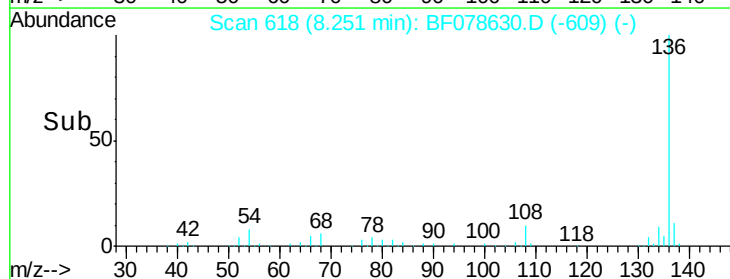
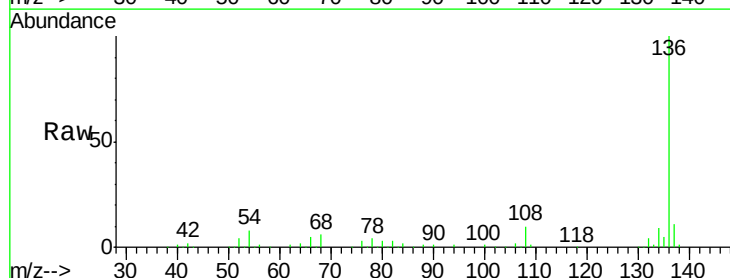
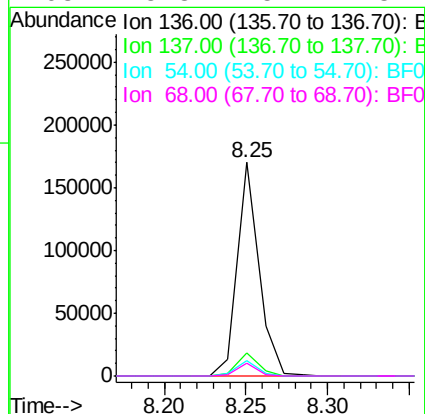
RT: 8.25 min Scan# 618

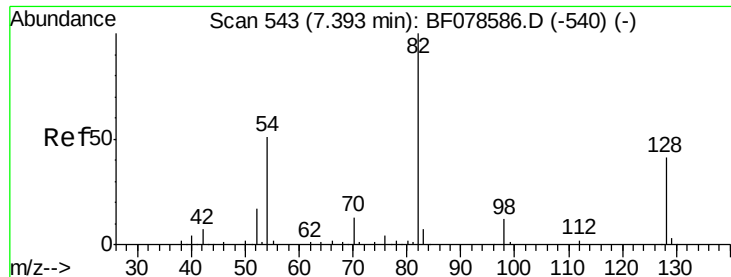
Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Tgt Ion:	136	Resp:	155511
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.5	7.0	10.6
68	5.8	5.4	8.2





#23

Nitrobenzene-d5

Concen: 82.88 ng

RT: 7.38 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

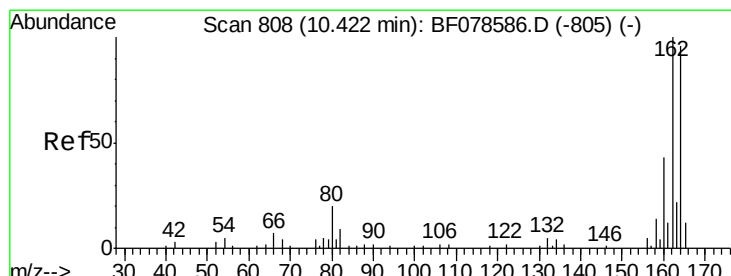
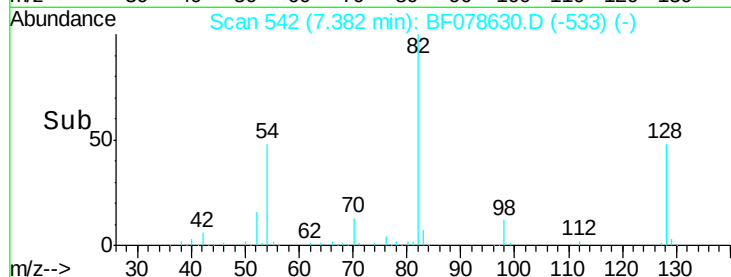
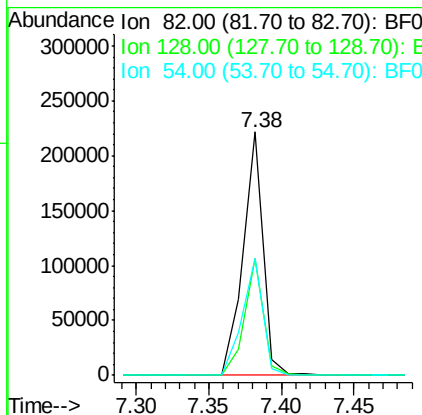
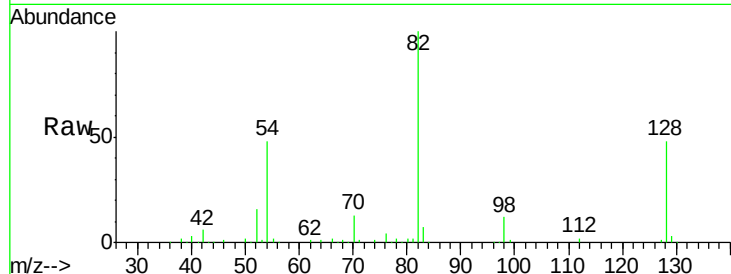
ClientSampleId :

S3-1-4

Tot Ion:	82	Resp:	212647
Ion Ratio	Lower	Upper	
82	100		
128	48.1	31.8	47.8#
54	48.1	41.5	62.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

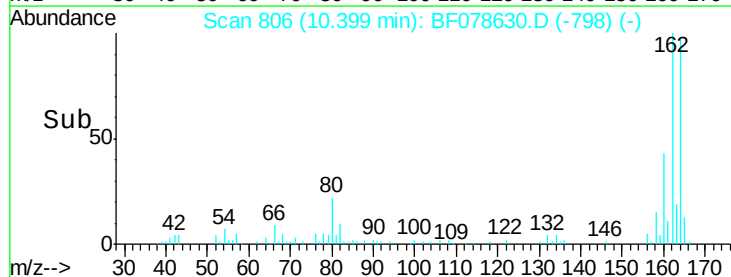
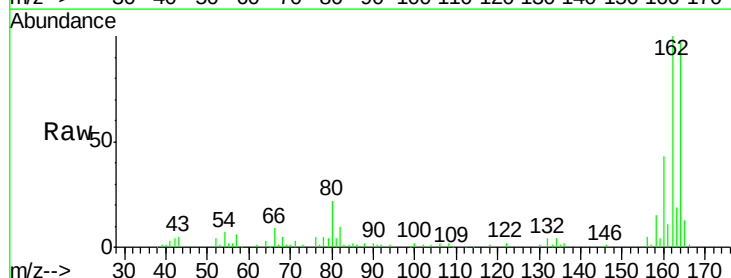
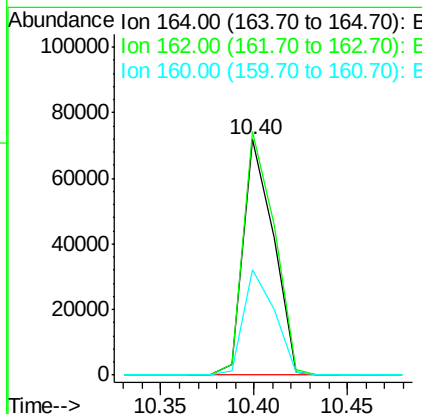
RT: 10.40 min Scan# 806

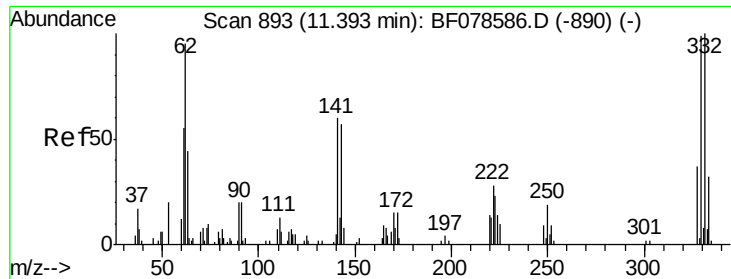
Delta R.T. -0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Tgt Ion:	164	Resp:	80876
Ion Ratio	Lower	Upper	
164	100		
162	103.4	82.2	123.2
160	44.8	34.7	52.1





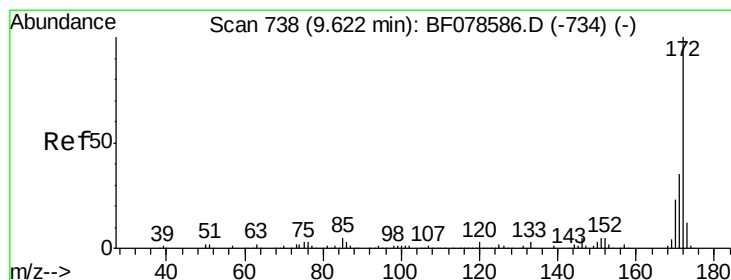
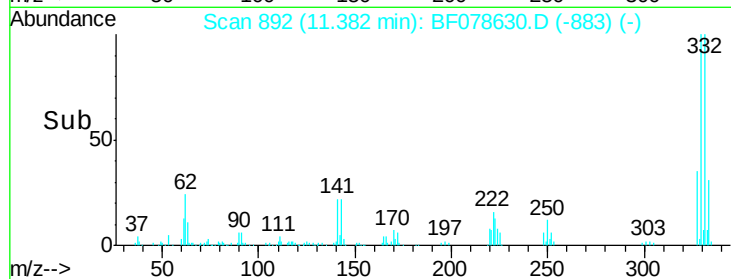
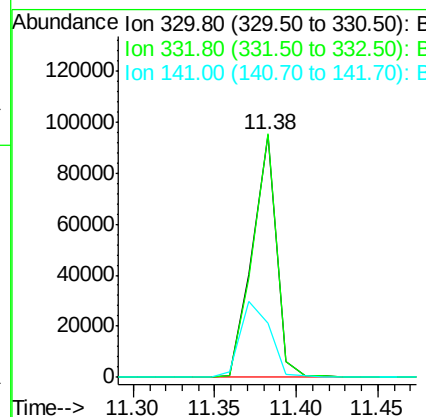
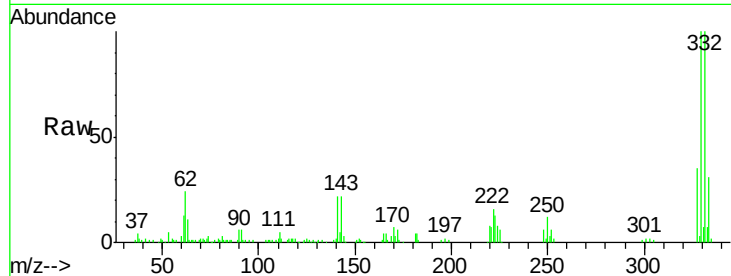
#41
 2,4,6-Tribromophenol
 Concen: 147.14 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Instrument :
 BNA_F
 ClientSampleId :
 S3-1-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.9	78.6	117.8	
141	38.3	31.2	46.8	

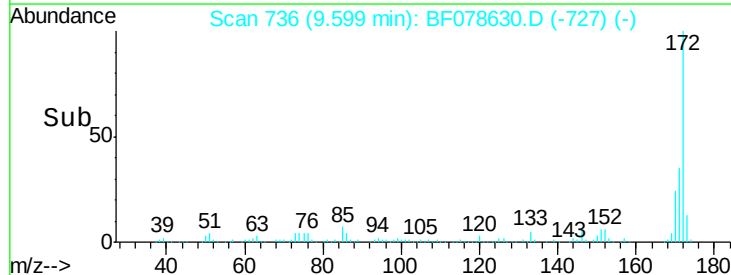
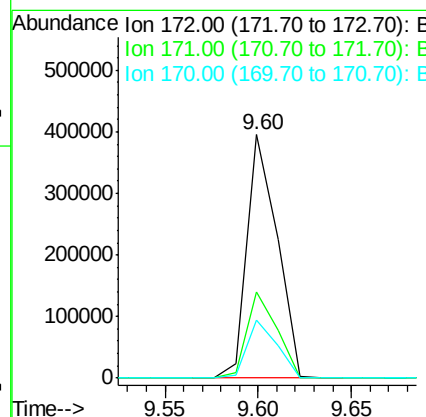
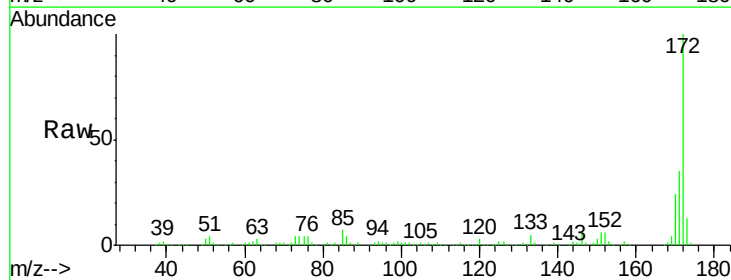
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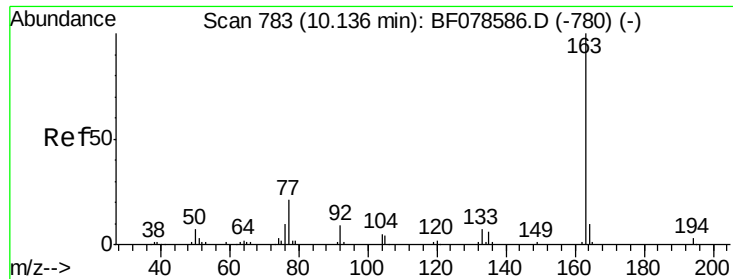
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#44
 2-Fluorobiphenyl
 Concen: 78.49 ng
 RT: 9.60 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	28.6	42.8	
170	23.9	18.5	27.7	





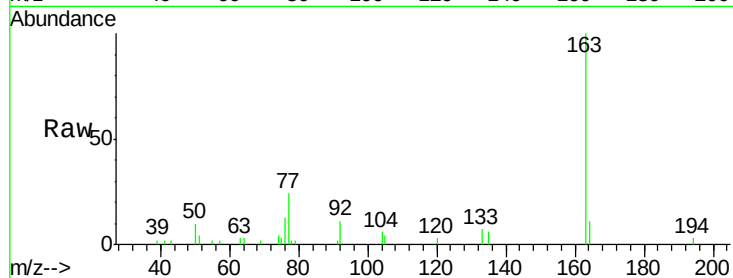
#49
Dimethylphthalate
Concen: 3.09 ng
RT: 10.11 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Instrument :
BNA_F
ClientSampled :
S3-1-4

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	2.3	3.5
164	10.6	8.6	13.0

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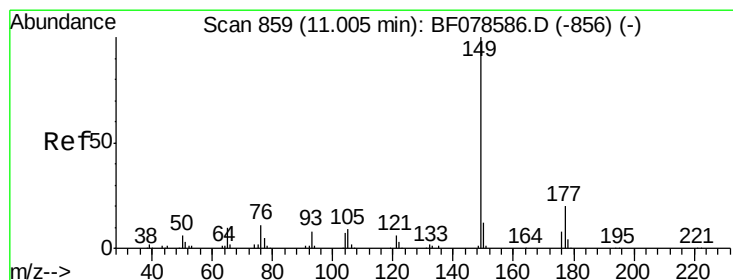
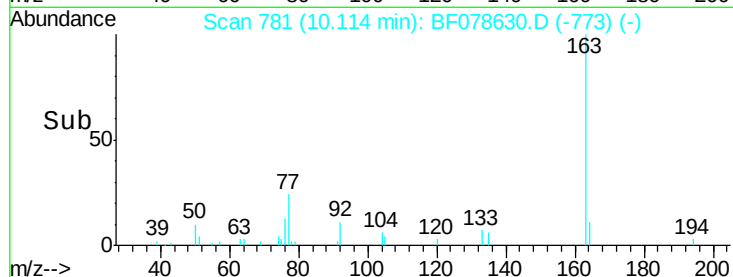
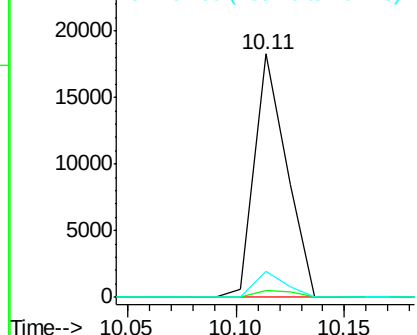


Abundance

Ion 163.00 (162.70 to 163.70): E

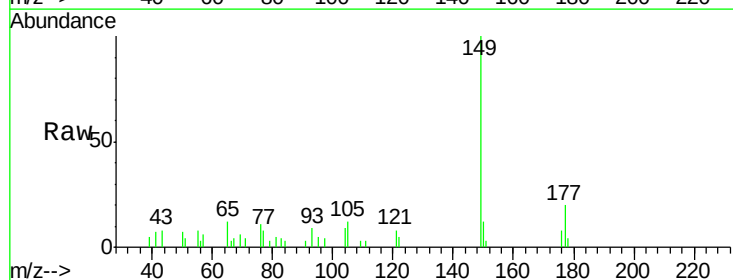
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#59
Diethylphthalate
Concen: 2.33 ng
RT: 10.98 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
177	19.6	17.4	26.2
150	12.4	9.4	14.2

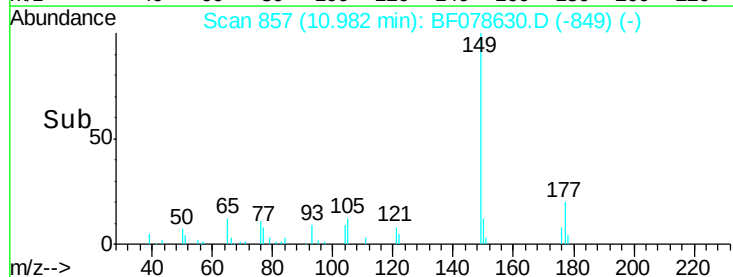
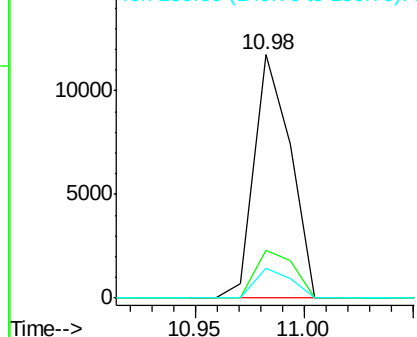


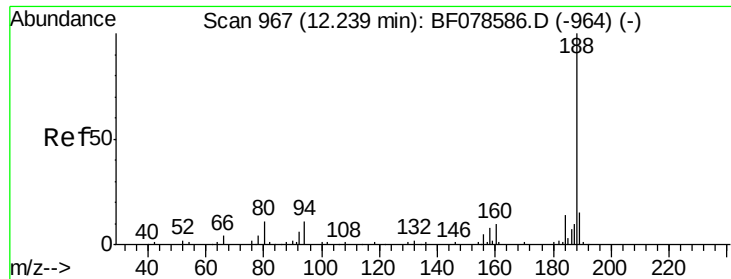
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





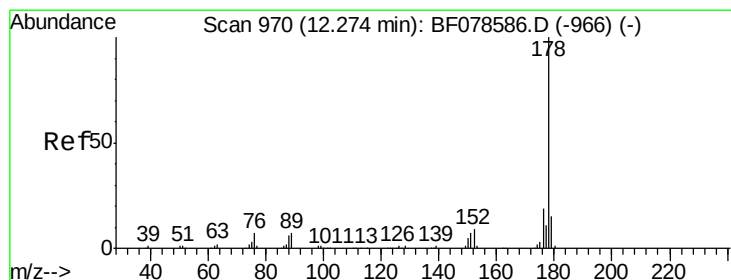
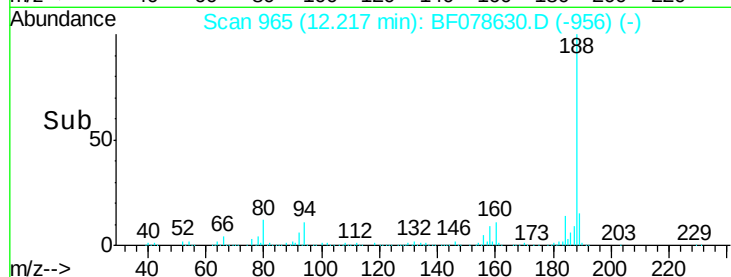
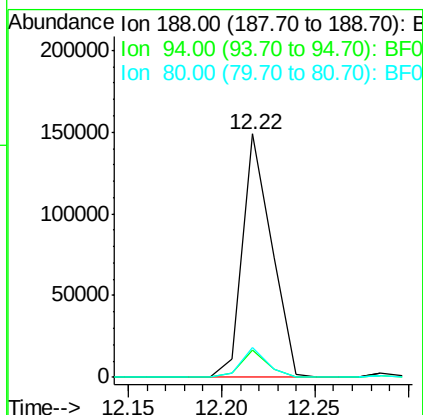
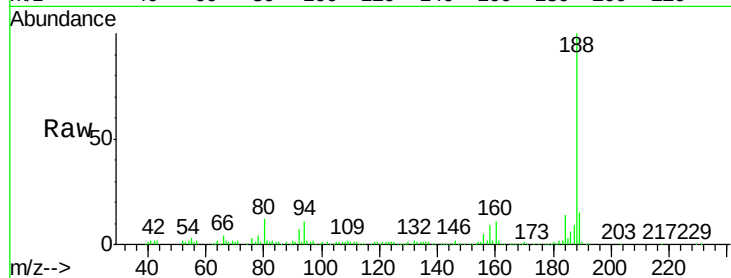
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	161646		
94	11.3	9.0	13.4	
80	12.3	9.5	14.3	

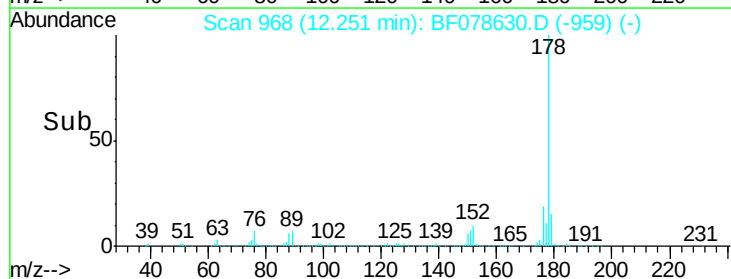
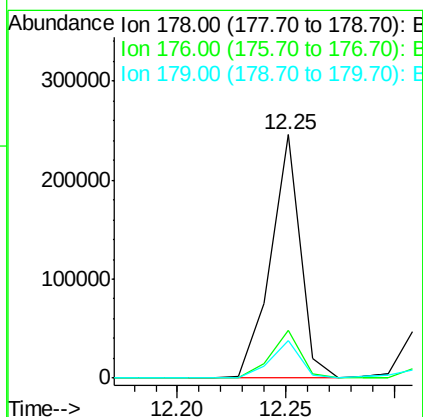
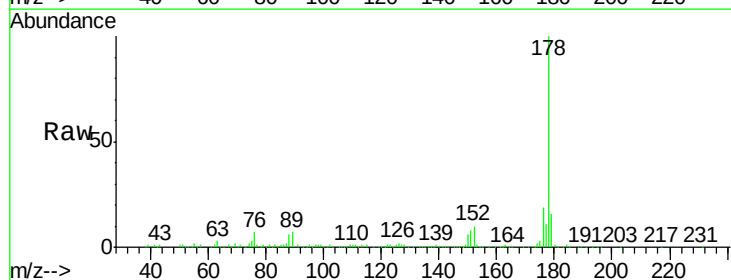
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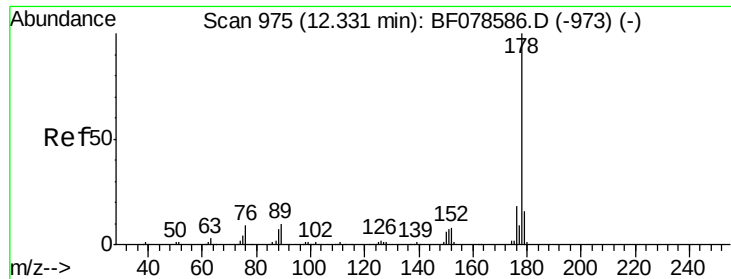
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#70
Phenanthrene
Concen: 25.20 ng
RT: 12.25 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	235598		
176	19.5	15.4	23.0	
179	15.5	12.2	18.2	





#71

Anthracene

Concen: 5.46 ng

RT: 12.31 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

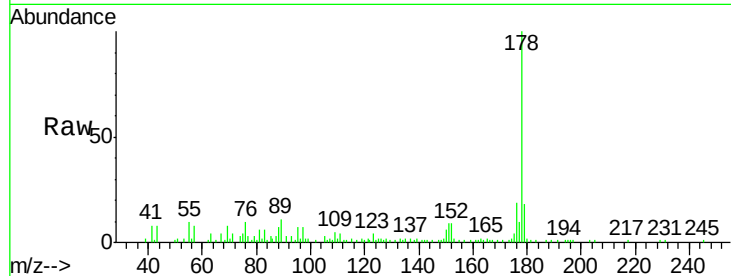
ClientSampleId :

S3-1-4

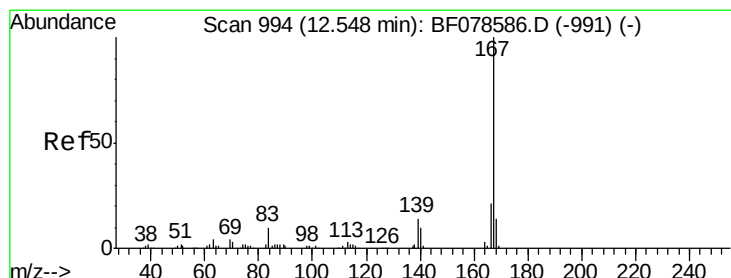
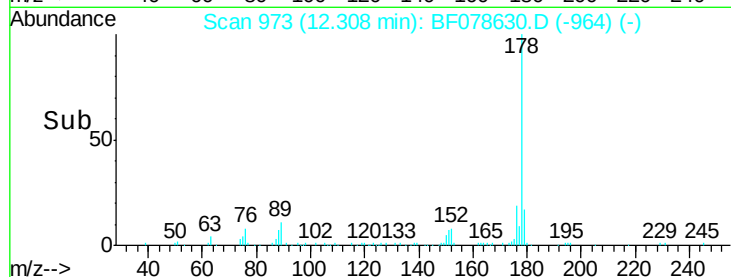
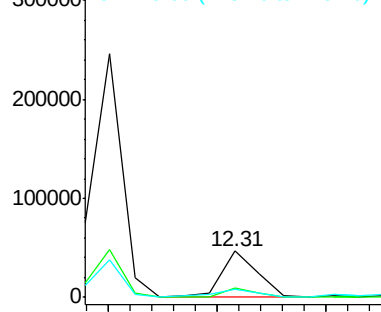
Tot Ion:	178	Resp:	50307
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.8	22.2
179	18.0	12.4	18.6

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



#72

Carbazole

Concen: 2.50 ng

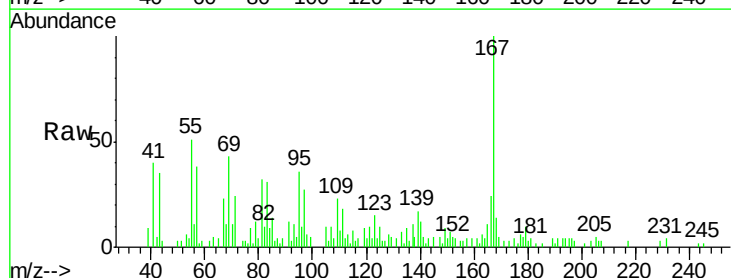
RT: 12.53 min Scan# 992

Delta R.T. -0.01 min

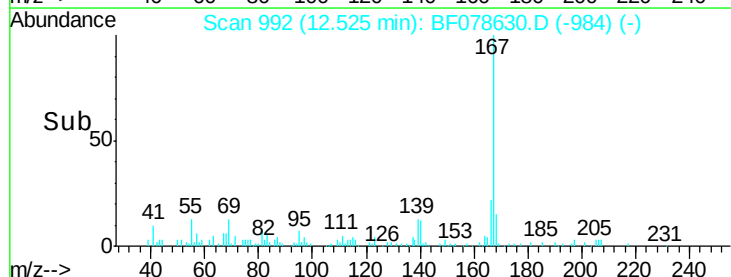
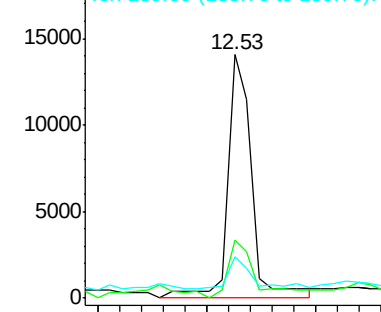
Lab File: BF078630.D

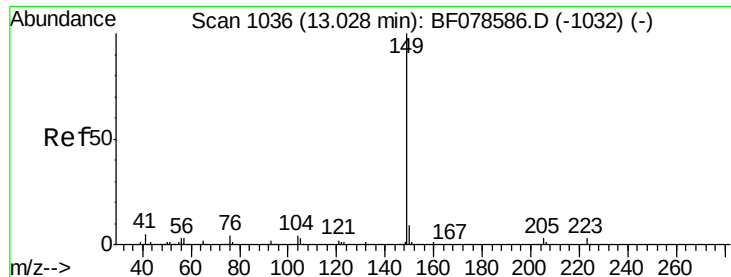
Acq: 18 Apr 2015 8:04

Tgt Ion:	167	Resp:	21617
Ion Ratio	Lower	Upper	
167	100		
166	24.1	16.8	25.2
139	17.0	10.0	15.0#



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





#73

Di-n-butylphthalate

Concen: 2.60 ng

RT: 13.01 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

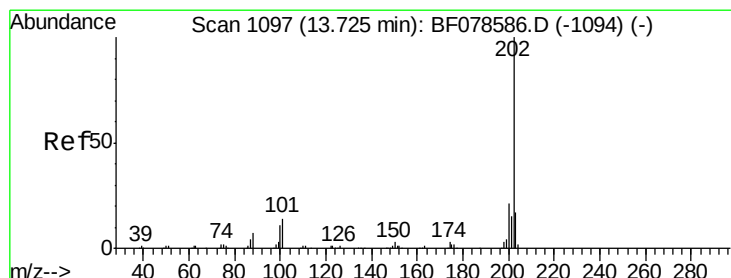
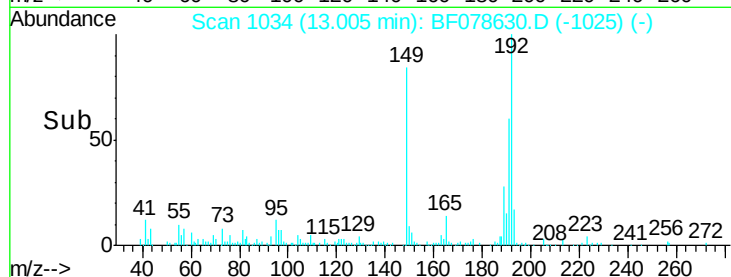
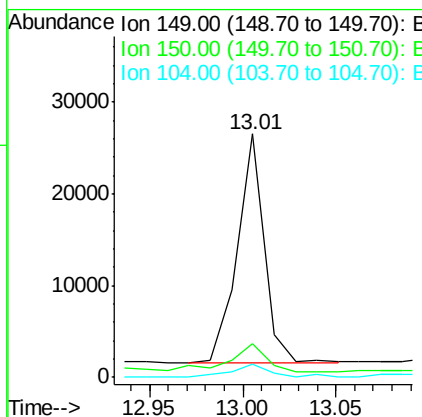
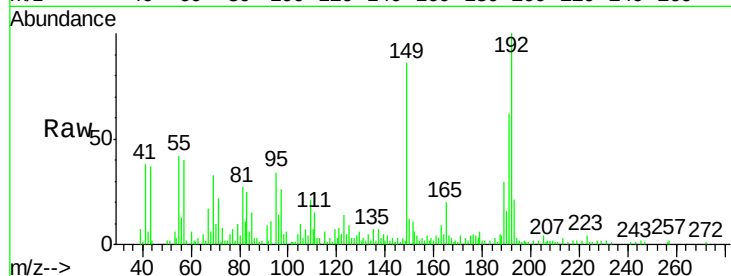
ClientSampleId :

S3-1-4

Tot Ion:	149	Resp:	25417
Ion Ratio	Lower	Upper	
149	100		
150	13.8	7.1	10.7#
104	5.2	3.8	5.6

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#74

Fluoranthene

Concen: 35.80 ng

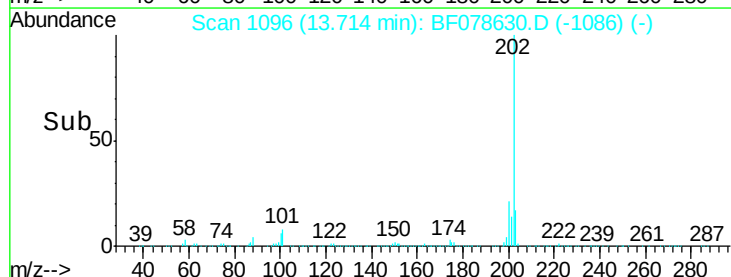
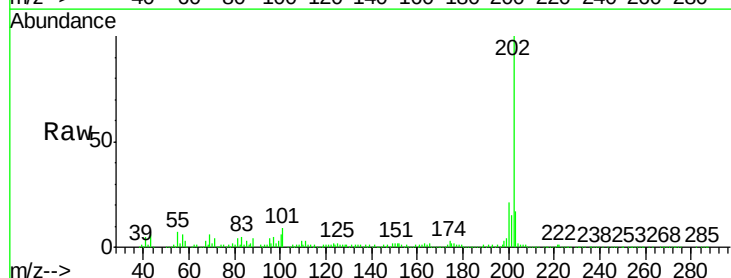
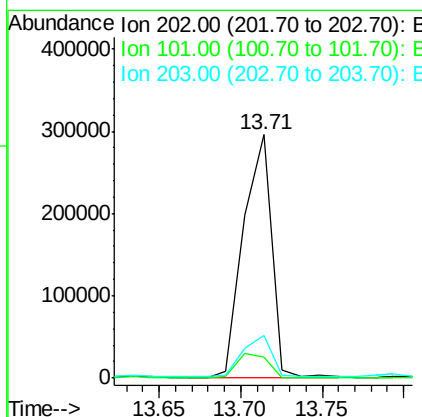
RT: 13.71 min Scan# 1096

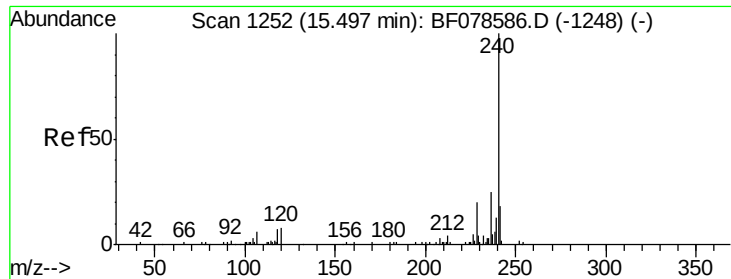
Delta R.T. 0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Tgt Ion:	202	Resp:	353024
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	35.2
203	17.4	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1250

Delta R.T. 0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

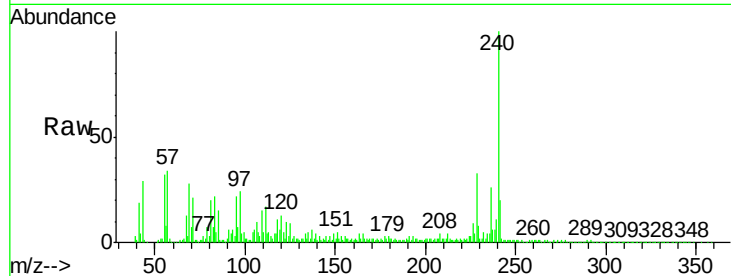
ClientSampleId :

S3-1-4

Tot Ion:	240	Resp:	165928
Ion Ratio	Lower	Upper	
240	100		
120	13.4	7.1	10.7#
236	26.0	21.4	32.2

Manual Integrations
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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

15.47

200000

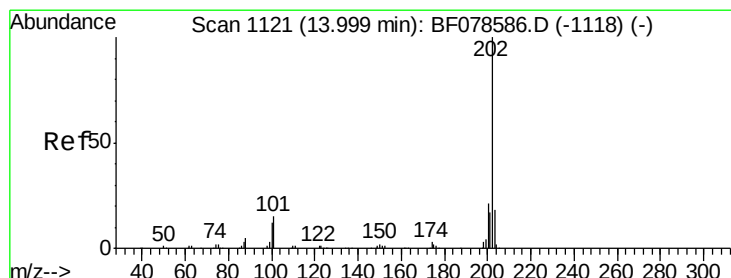
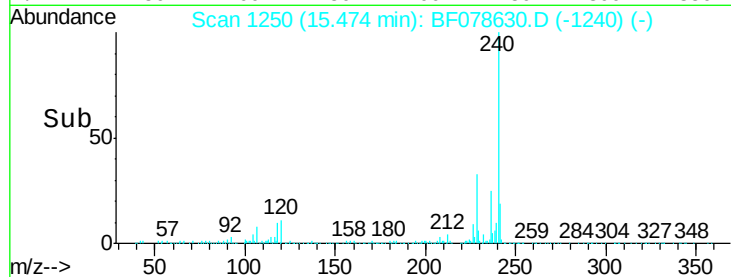
150000

100000

50000

0

Time-->



#77

Pyrene

Concen: 29.92 ng

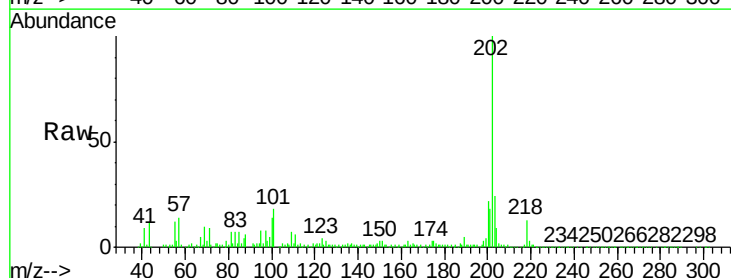
RT: 13.98 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Tgt Ion:	202	Resp:	311645
Ion Ratio	Lower	Upper	
202	100		
200	21.9	16.3	24.5
203	23.6	13.8	20.6#



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

13.98

300000

250000

200000

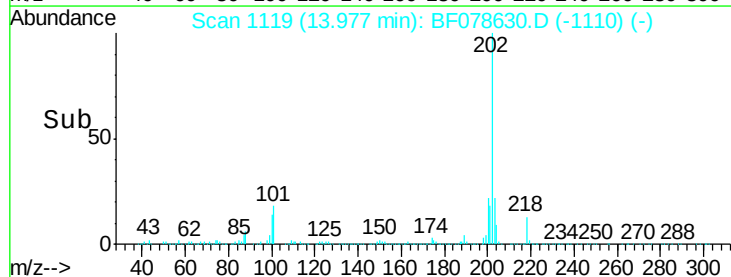
150000

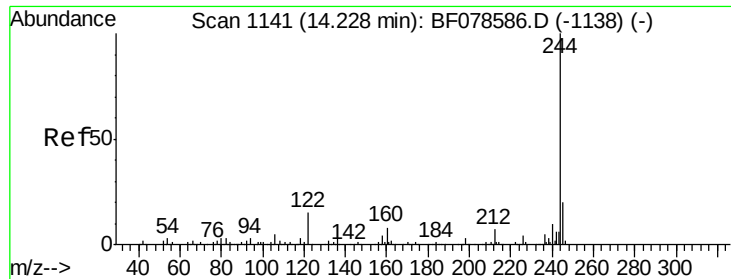
100000

50000

0

Time-->





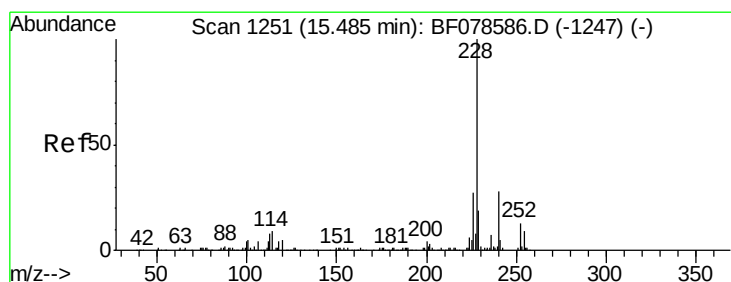
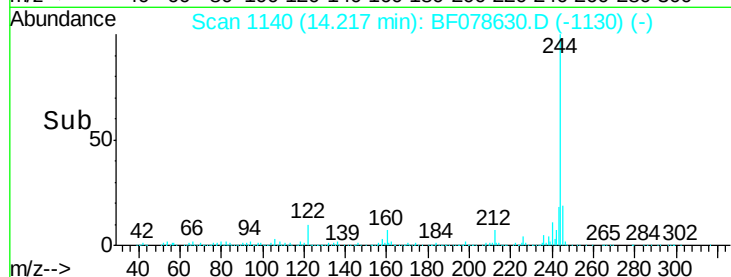
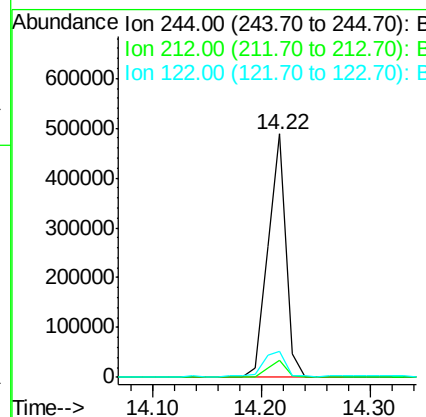
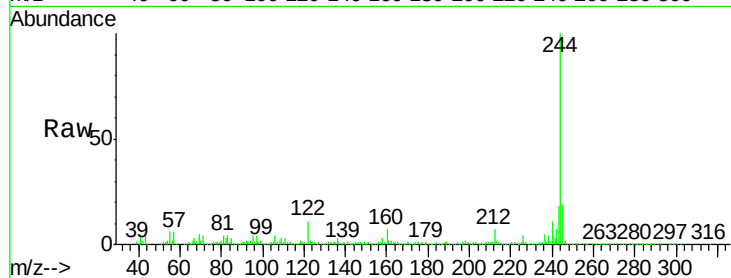
#78
 Terphenyl-d14
 Concen: 76.26 ng
 RT: 14.22 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Instrument :
 BNA_F
 ClientSampled :
 S3-1-4

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.0	7.4
122	10.6	7.1	10.7

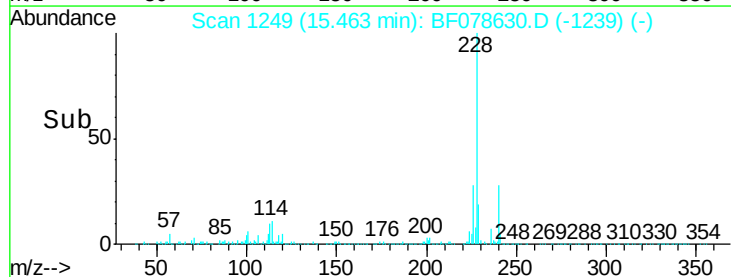
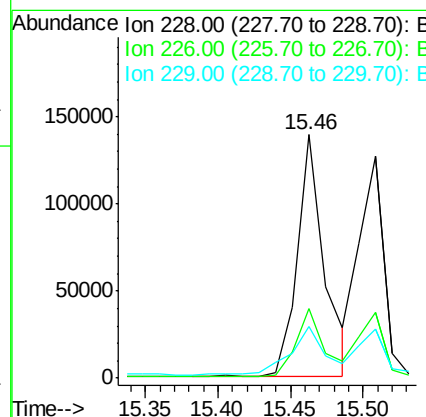
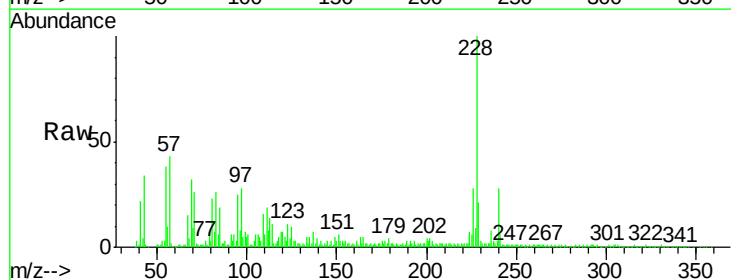
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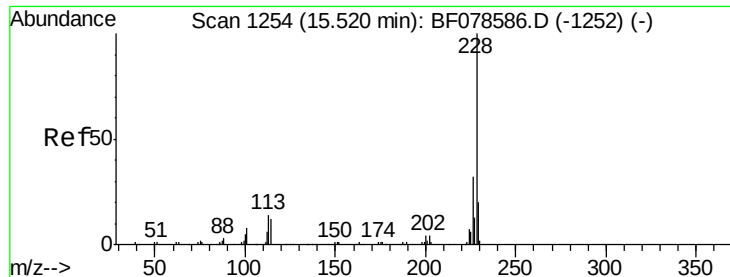
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#80
 Benzo(a)anthracene
 Concen: 18.19 ng
 RT: 15.46 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.4	21.3	31.9
229	21.0	15.4	23.2





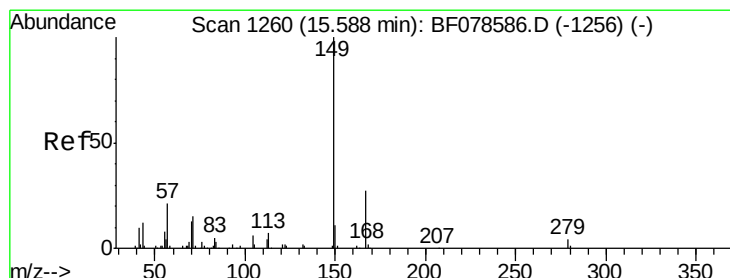
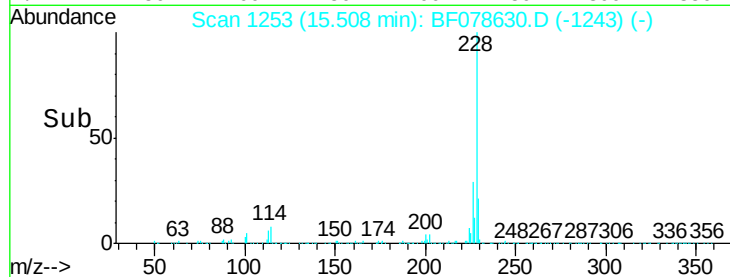
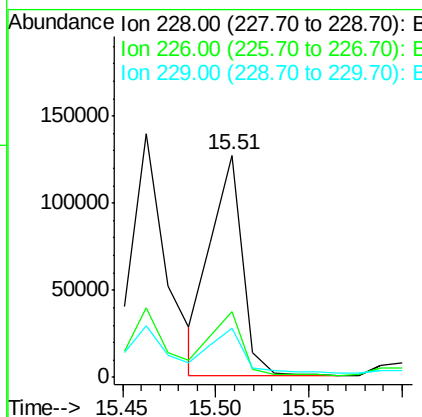
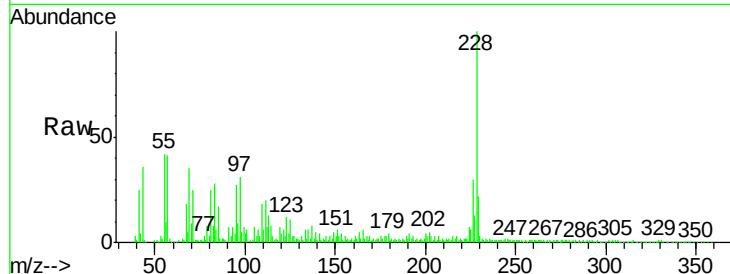
#82
 Chrysene
 Concen: 16.04 ng
 RT: 15.51 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Instrument :
 BNA_F
 ClientSampled :
 S3-1-4

Tot Ion:	228	Resp:	148822
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.2	36.4
229	22.3	15.8	23.8

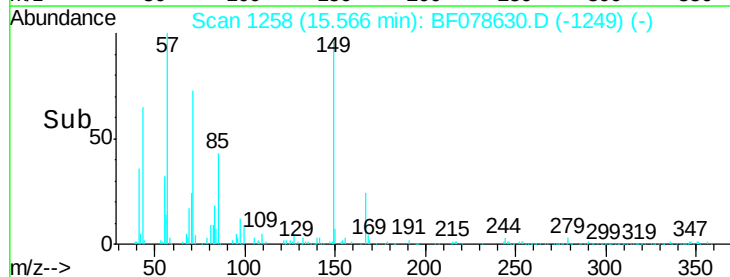
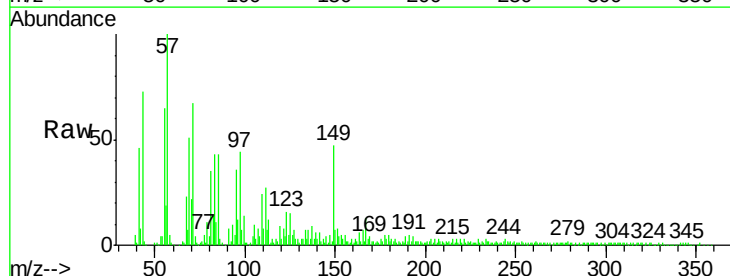
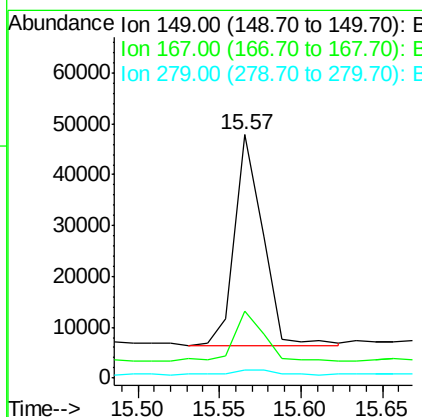
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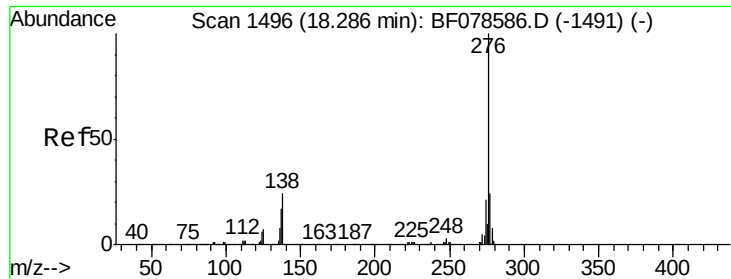
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.96 ng
 RT: 15.57 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Tgt Ion:	149	Resp:	49595
Ion Ratio	Lower	Upper	
149	100		
167	27.7	22.2	33.2
279	3.5	3.2	4.8





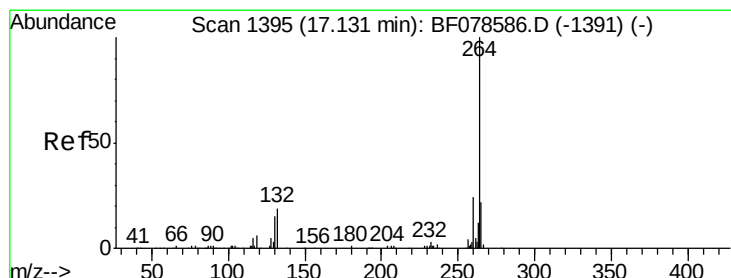
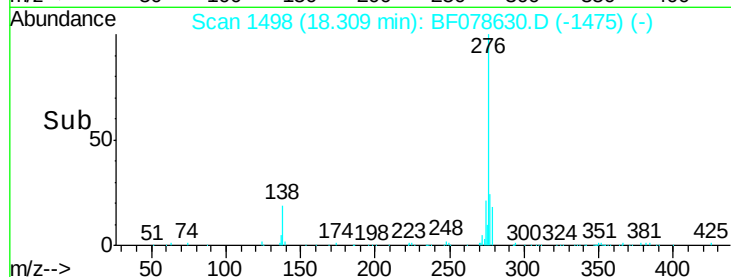
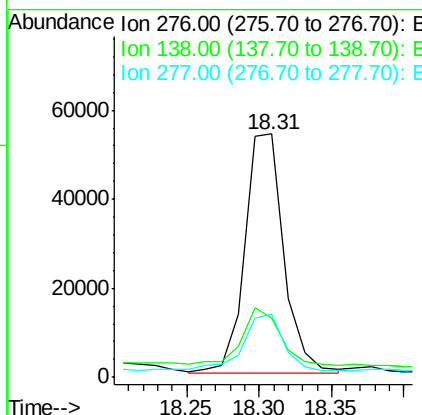
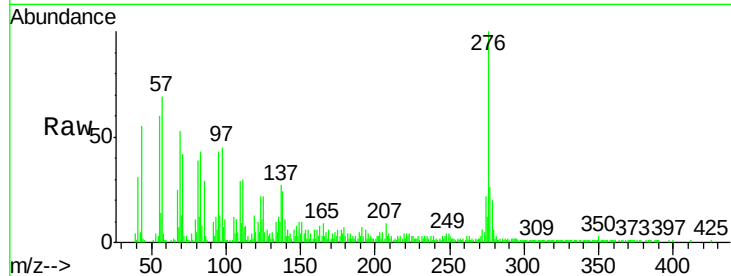
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.51 ng
 RT: 18.31 min Scan# 1498
 Delta R.T. -0.03 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Instrument :
 BNA_F
 ClientSampleId :
 S3-1-4

Tot Ion	Ratio	Resp	Lower	Upper
276	100	100119		
138	26.6		16.9	25.3#
277	27.5		15.8	23.6#

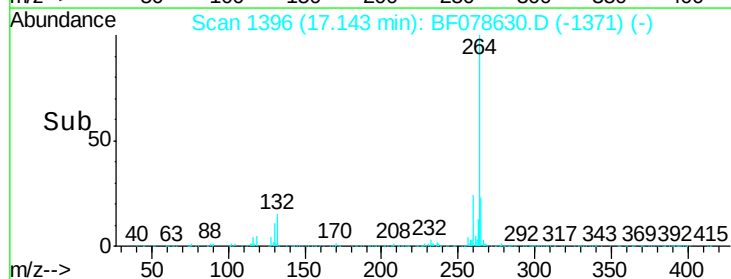
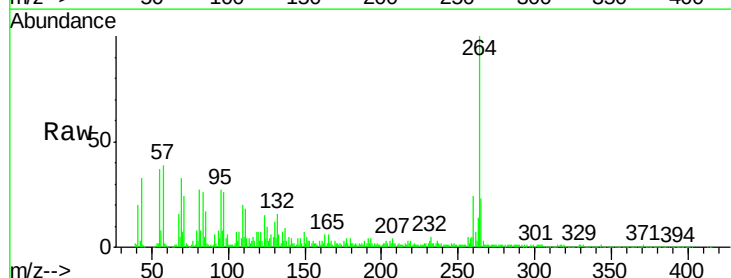
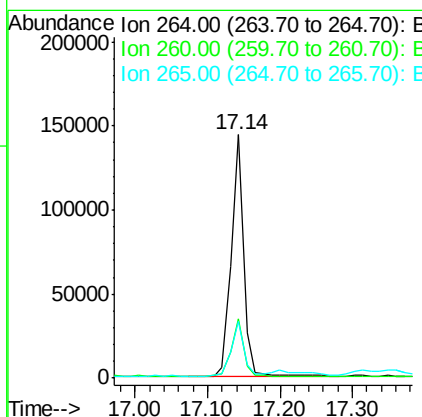
Manual Integrations
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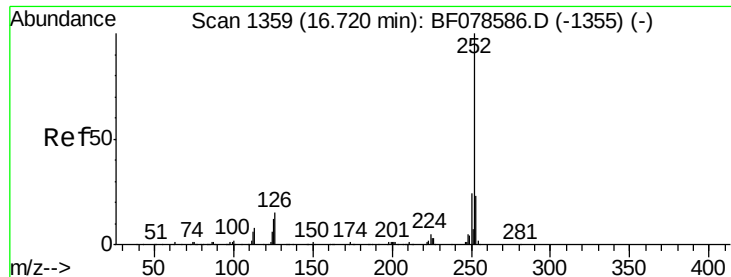
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.14 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	171433		
260	24.4		18.6	27.8
265	23.3		17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 20.51 ng m

RT: 16.72 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

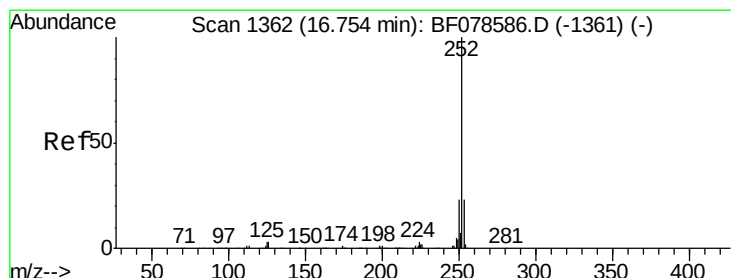
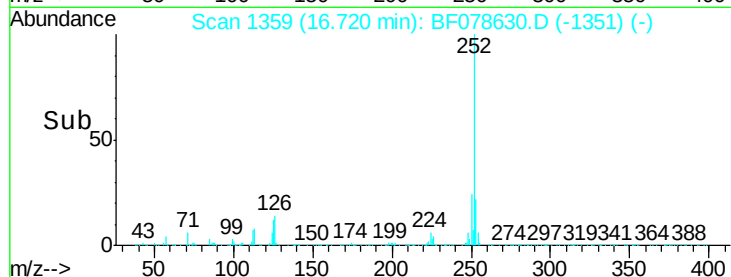
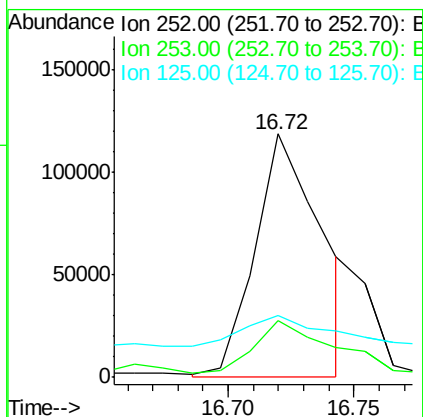
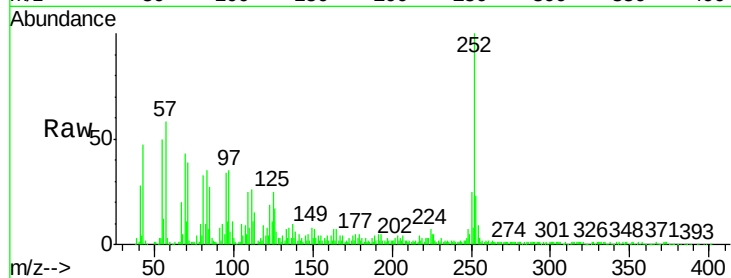
ClientSampleId :

S3-1-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		217352		
253	23.1	17.2	25.8		
125	25.2	7.0	10.4		

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#88

Benzo(k)fluoranthene

Concen: 3.91 ng m

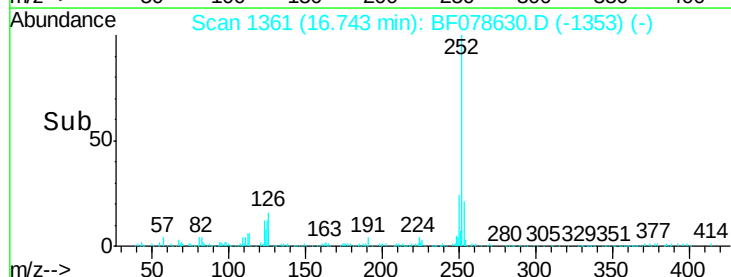
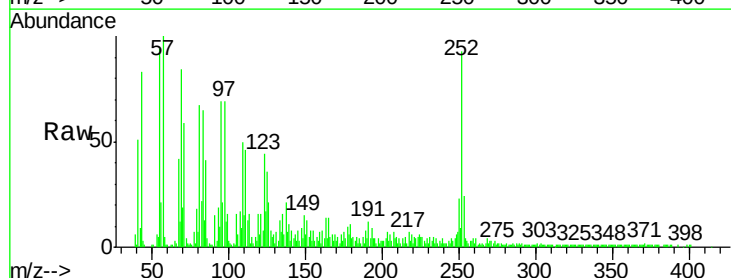
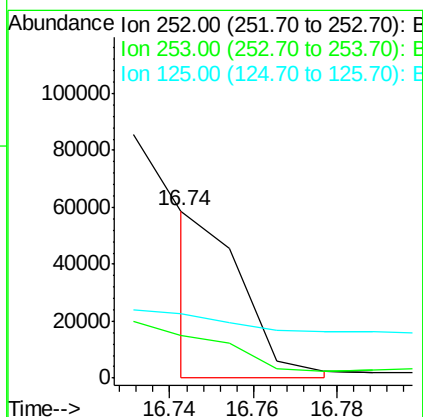
RT: 16.74 min Scan# 1361

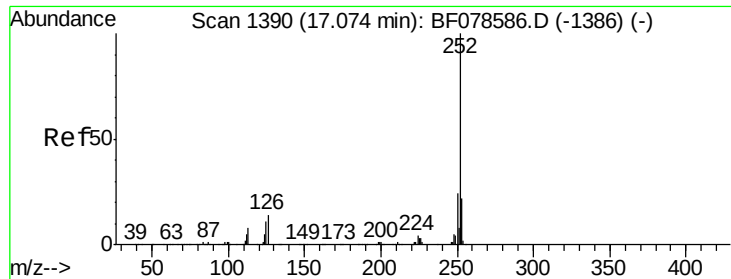
Delta R.T. -0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100		36835		
253	25.3	17.5	26.3		
125	38.6	11.6	17.4		





#89

Benzo(a)pyrene

Concen: 14.20 ng

RT: 17.07 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

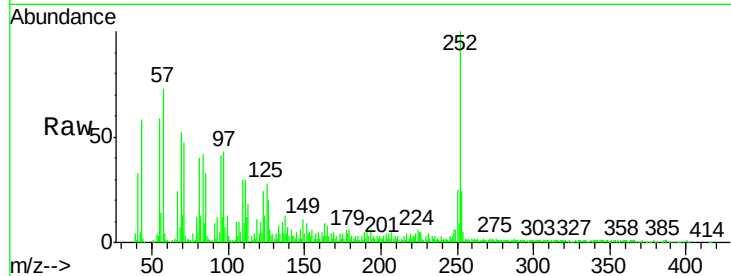
ClientSampled :

S3-1-4

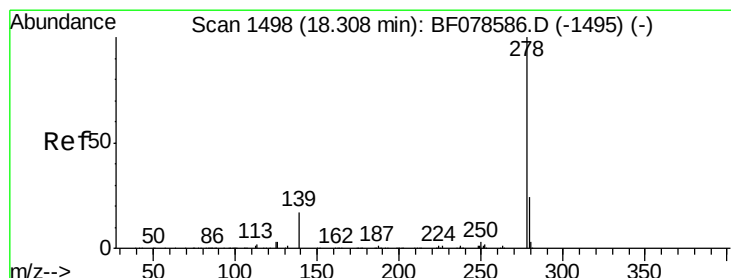
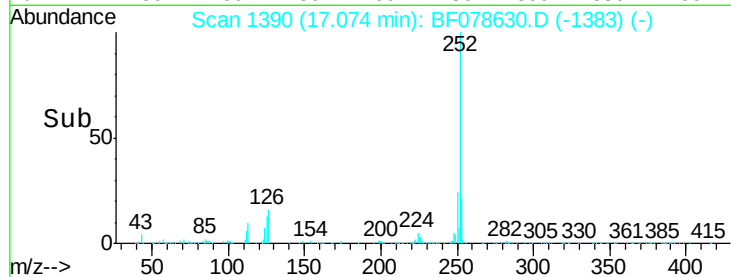
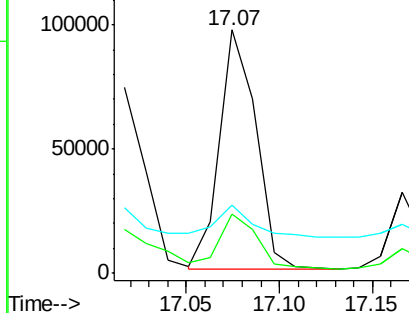
Tot Ion:	252	Resp:	131305
Ion Ratio	Lower	Upper	
252	100		
253	24.1	16.8	25.2
125	28.0	7.4	11.0#

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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



#90

Dibenzo(a,h)anthracene

Concen: 2.67 ng m

RT: 18.32 min Scan# 1499

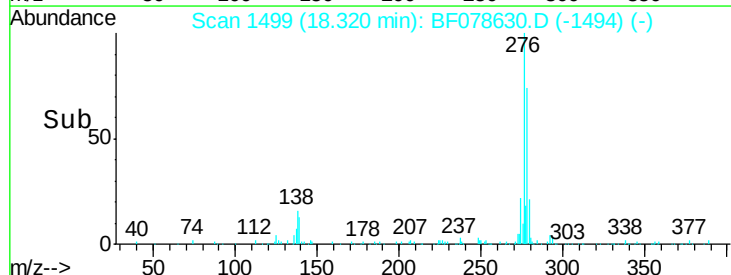
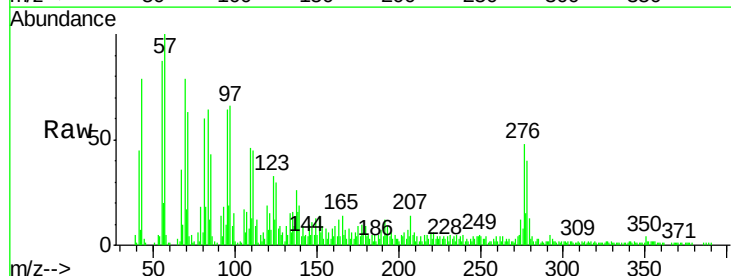
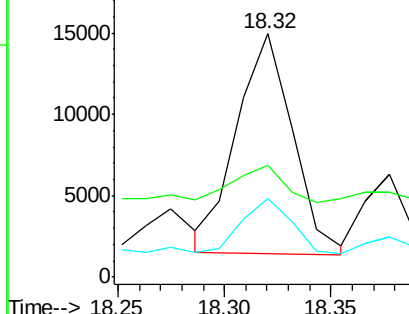
Delta R.T. -0.05 min

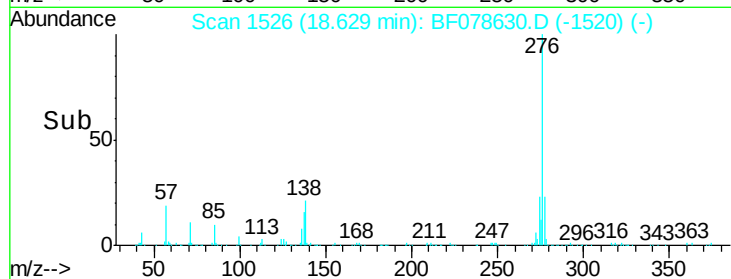
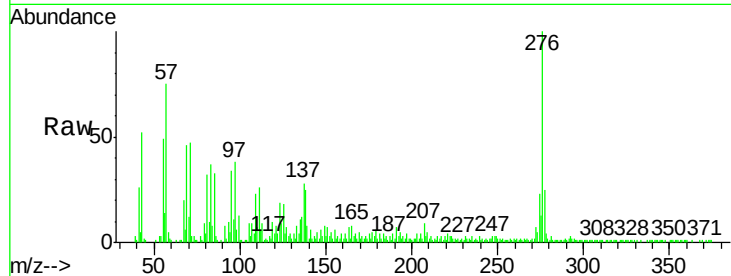
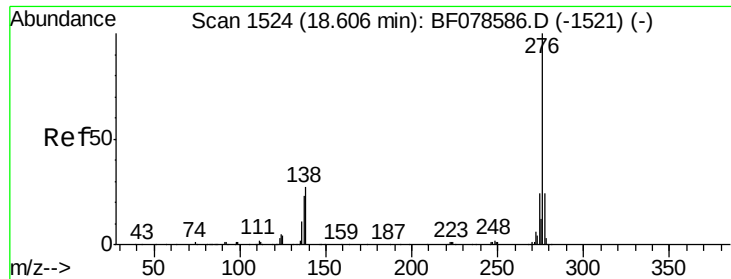
Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Tgt Ion:	278	Resp:	24725
Ion Ratio	Lower	Upper	
278	100		
139	46.1	13.6	20.4#
279	32.4	19.0	28.6#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 10.34 ng

RT: 18.63 min Scan# 1526

Delta R.T. -0.03 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.7	19.0	28.4
138	24.8	19.9	29.9

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