

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099053.D
 Acq On : 4 Oct 2017 1:53
 Operator : SJ/JU
 Sample : I5610-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2A-(1-2)-COMP-(0-5)

Manual Integrations
 APPROVED

Sohil
 10/4/2017 7:21:31 PM

Quant Time: Oct 04 04:14:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	113939	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	418860	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	146004	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	217200	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	228415	20.00	ng	-0.05
86) Perylene-d12	15.51	264	229780	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	969836	135.50	ng	-0.04
7) Phenol-d6	6.50	99	1120409	126.89	ng	-0.04
23) Nitrobenzene-d5	7.44	82	645994	98.91	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	133753	111.95	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	812098	92.86	ng	-0.05
78) Terphenyl-d14	12.98	244	568126	56.57	ng	-0.05
Target Compounds						
10) Phenol	6.52	94	27662	2.801	ng	94
15) Benzyl Alcohol	7.03	79	14146	2.184	ng	# 61
49) Dimethylphthalate	9.62	163	194397	17.641	ng	98
70) Phenanthrene	11.42	178	37412	3.218	ng	97
74) Fluoranthene	12.62	202	70004	5.946	ng	95
77) Pyrene	12.84	202	65968	3.787	ng	98
80) Benzo(a)anthracene	14.02	228	36715	2.655	ng	98
82) Chrysene	14.06	228	33626	2.554	ng	98
87) Benzo(b)fluoranthene	15.07	252	42197m	2.987	ng	
89) Benzo(a)pyrene	15.44	252	33151	2.556	ng	# 93

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

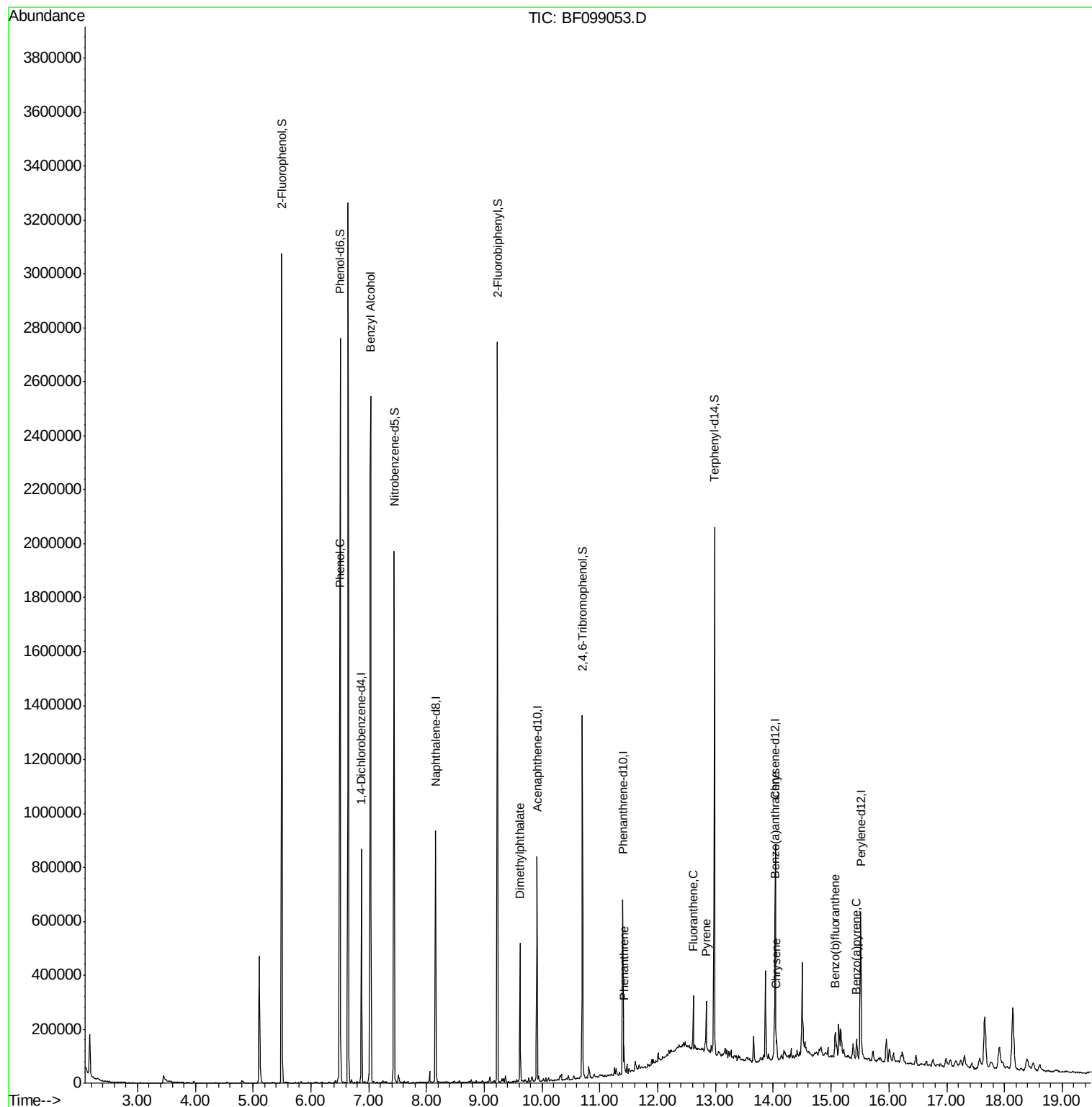
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099053.D
Acq On : 4 Oct 2017 1:53
Operator : SJ/JU
Sample : I5610-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

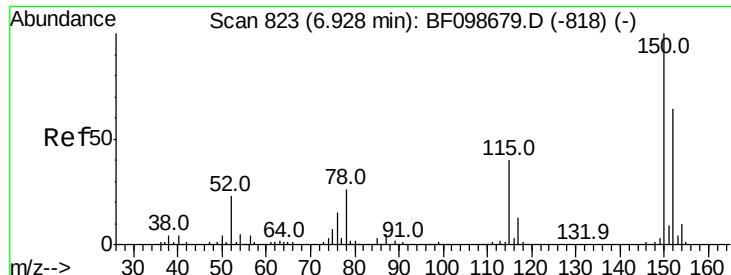
Instrument :
BNA_F
ClientSampleId :
2A-(1-2)-COMP-(0-5)

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#1

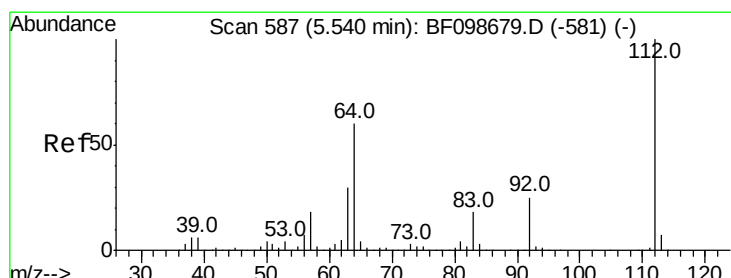
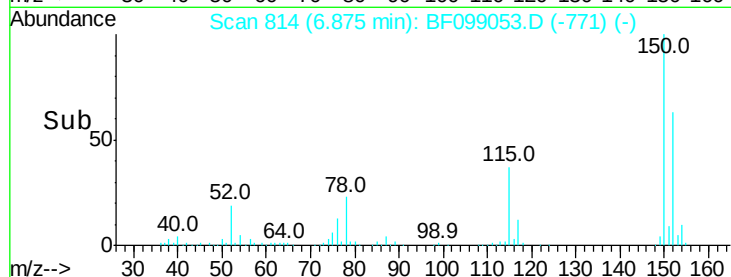
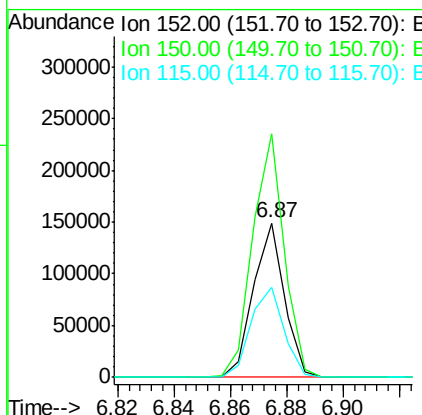
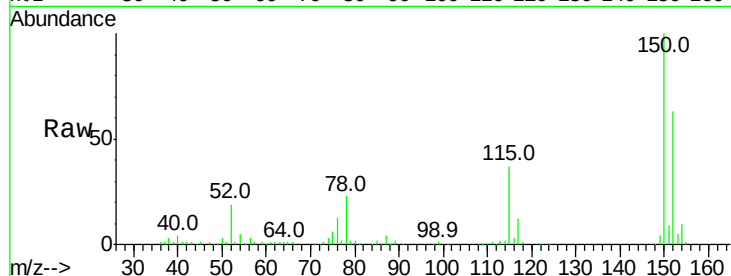
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :
 2A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	58.7	50.1	75.1

Manual Integrations
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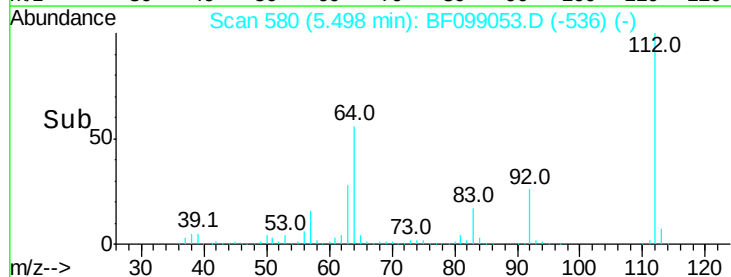
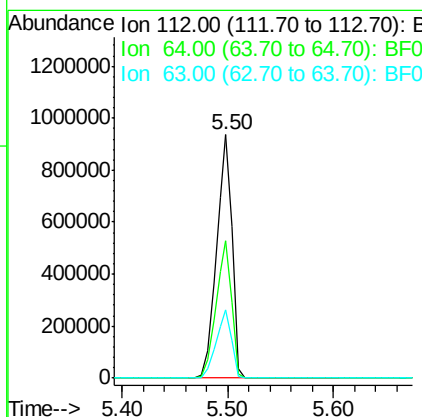
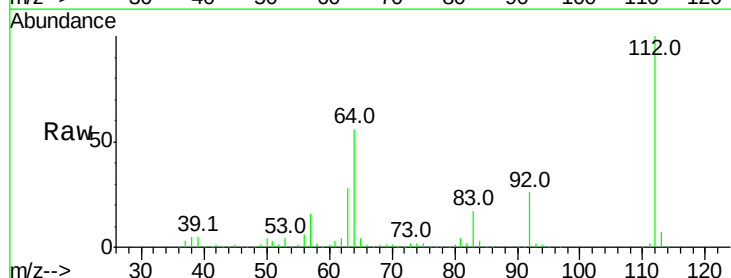
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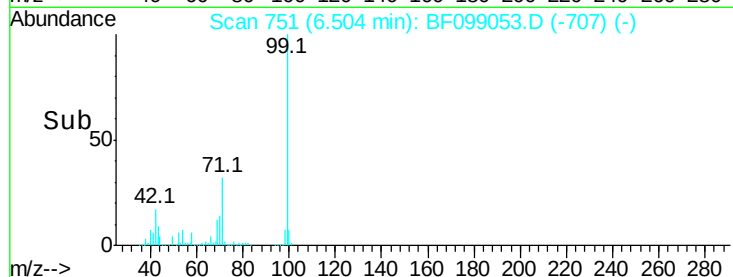
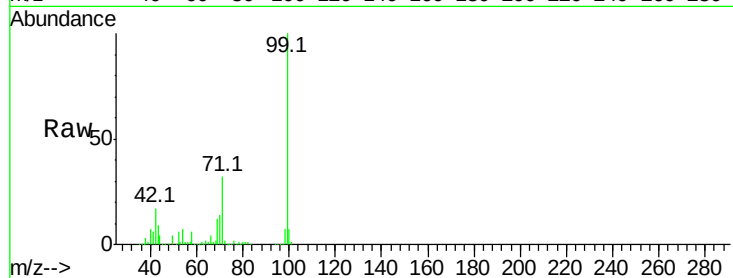
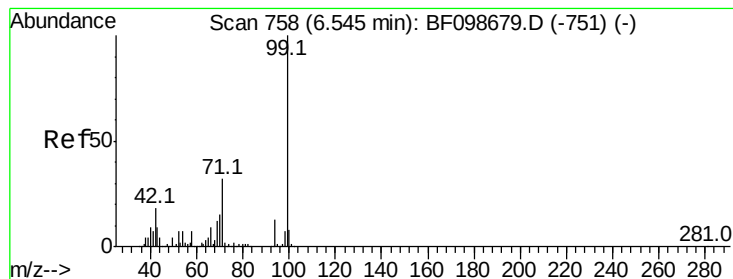


#5

2-Fluorophenol
 Concen: 135.501 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.04 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 126.894 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Tot Ion: 99 Resp: 1120409

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 31.7 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

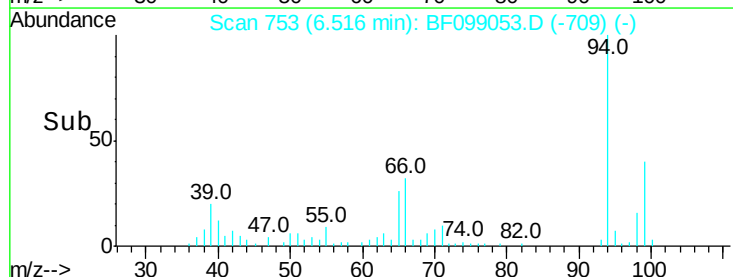
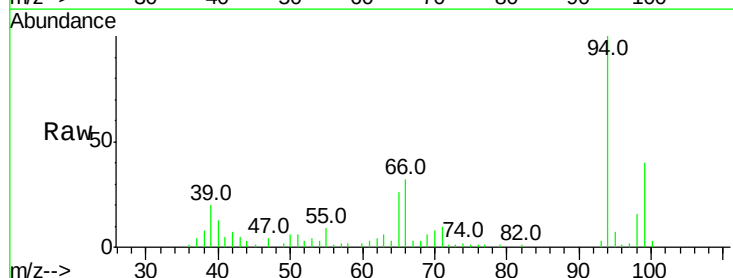
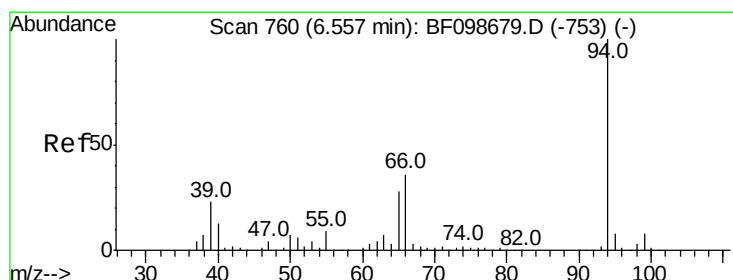
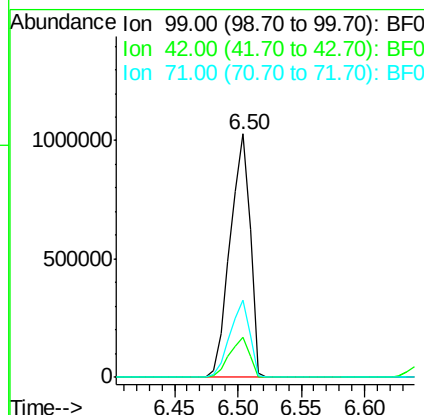
2A-(1-2)-COMP-(0-5)

Manual Integrations

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#10

Phenol

Concen: 2.801 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

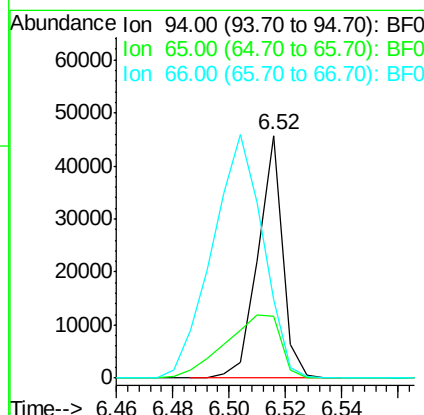
Tgt Ion: 94 Resp: 27662

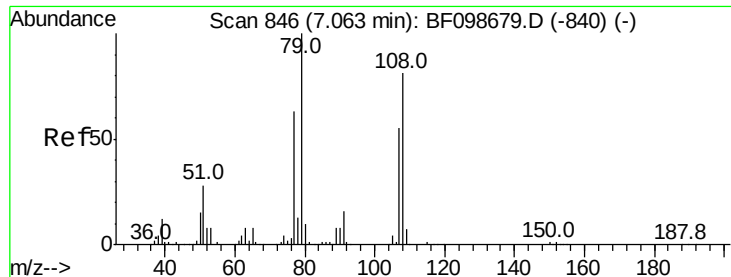
Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

66 32.3 16.2 56.2





#15

Benzyl Alcohol

Concen: 2.184 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.04 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Instrument :

BNA_F

ClientSampleId :

2A-(1-2)-COMP-(0-5)

Tot Ion: 79 Resp: 14146

Ion Ratio Lower Upper

79 100

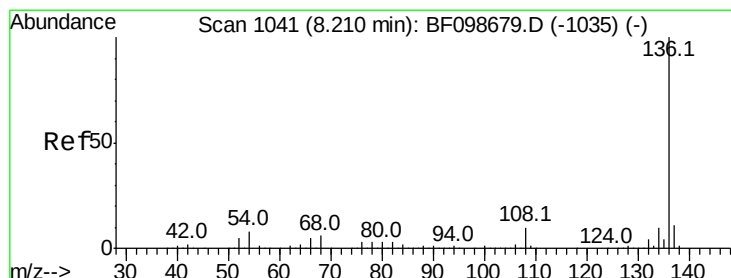
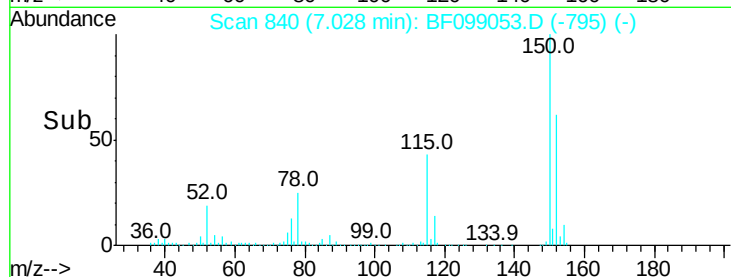
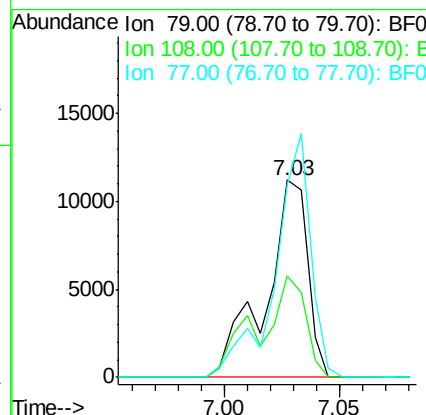
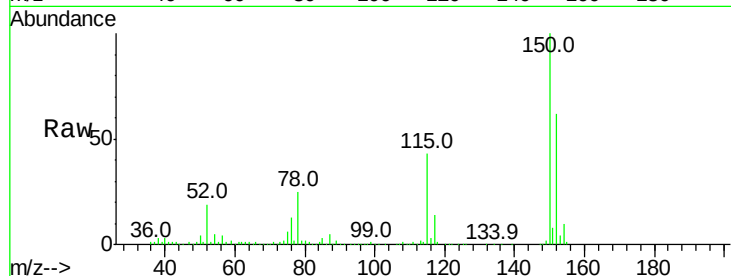
108 51.3 65.1 97.7#

77 97.9 50.6 75.8#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Tgt Ion: 136 Resp: 418860

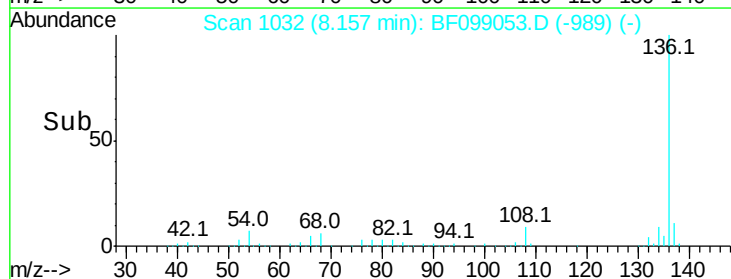
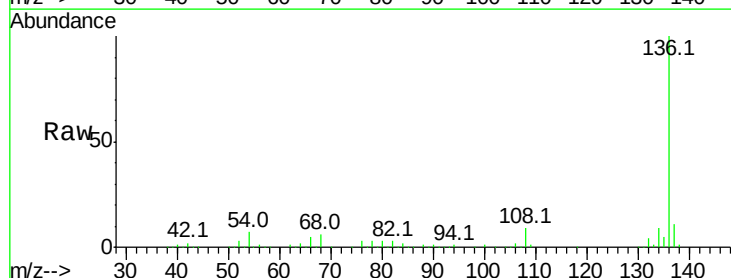
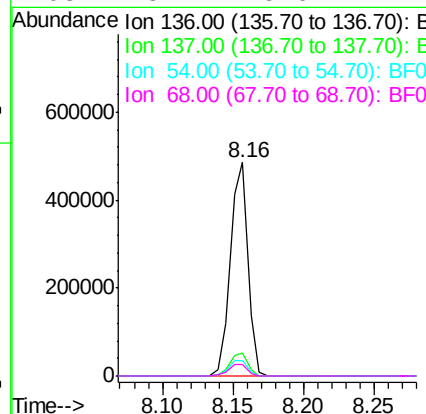
Ion Ratio Lower Upper

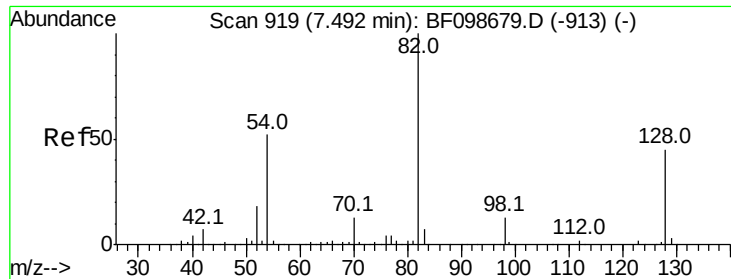
136 100

137 10.9 8.9 13.3

54 7.2 6.6 9.8

68 5.7 5.0 7.4





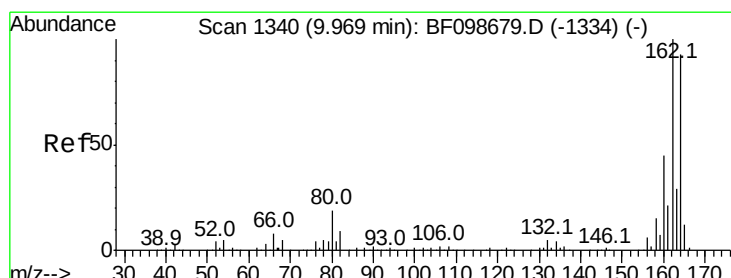
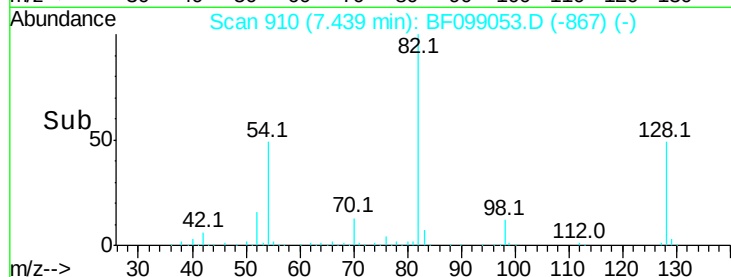
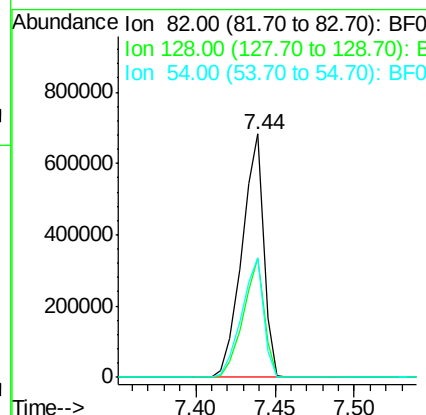
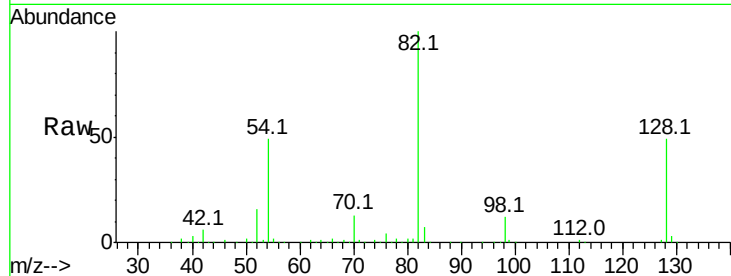
#23
 Nitrobenzene-d5
 Concen: 98.906 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :
 2A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	48.9	41.4	62.2

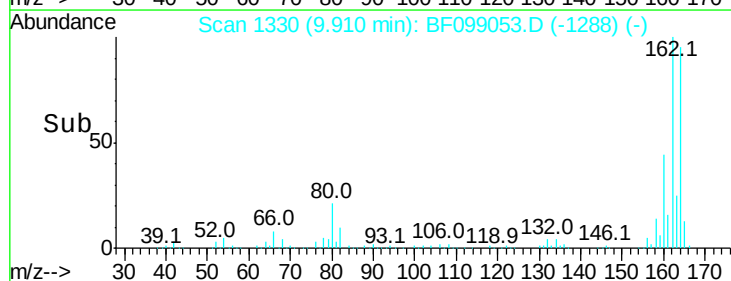
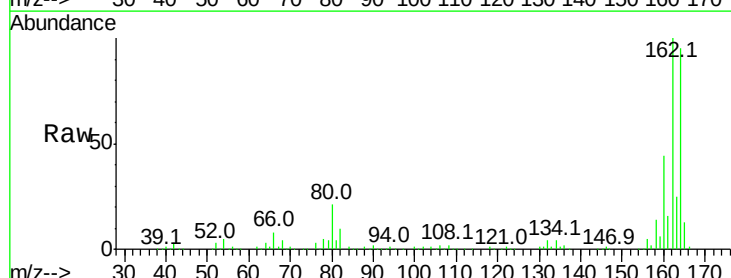
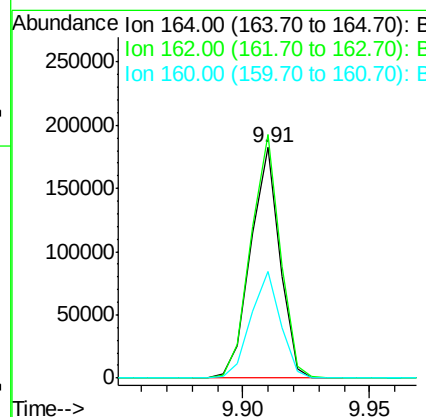
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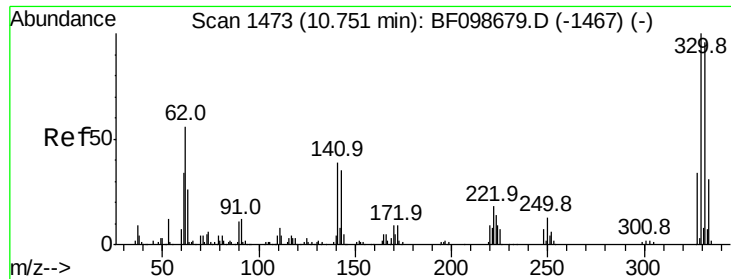
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	46.2	38.3	57.5





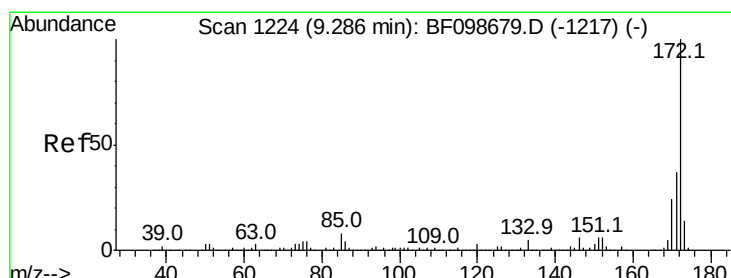
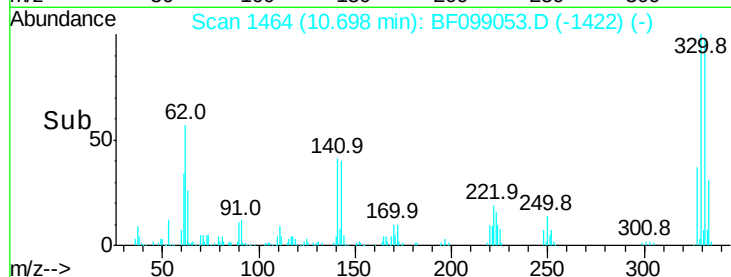
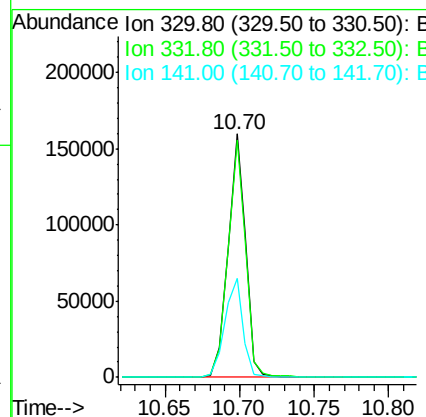
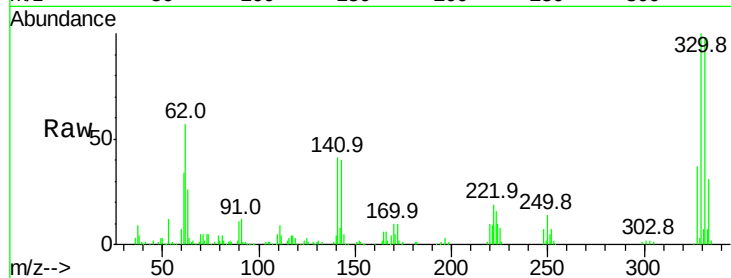
#41
 2,4,6-Tribromophenol
 Concen: 111.955 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :
 2A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	41.9	29.9	44.9

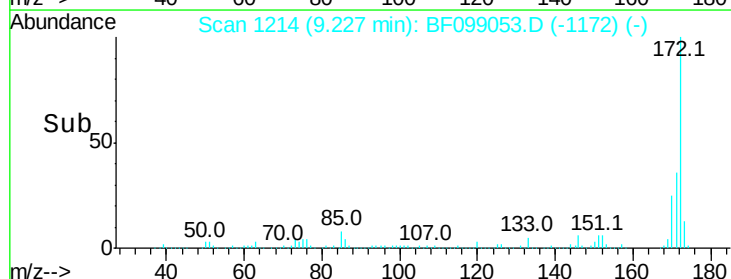
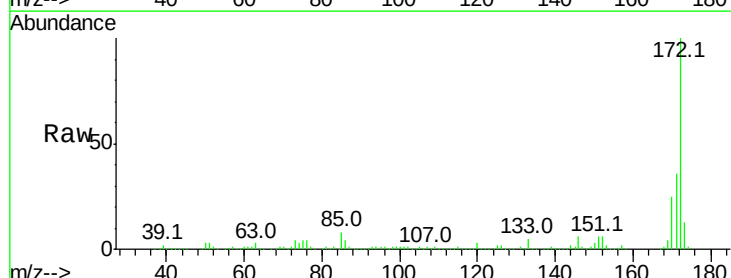
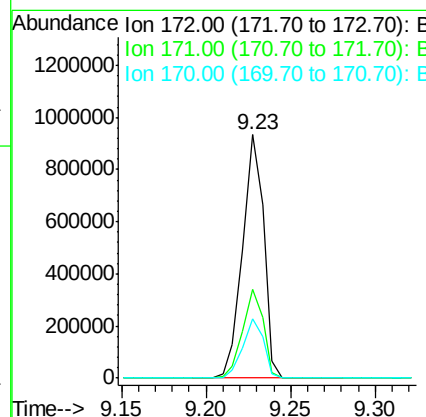
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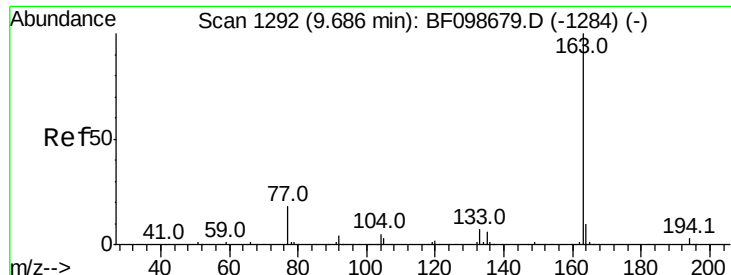
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#44
 2-Fluorobiphenyl
 Concen: 92.856 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.5	19.6	29.4





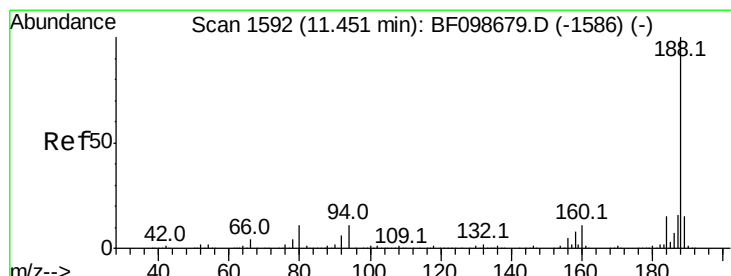
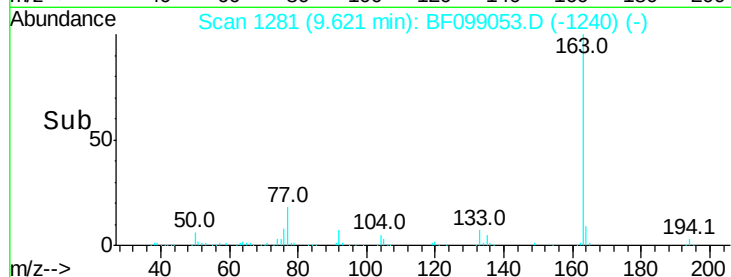
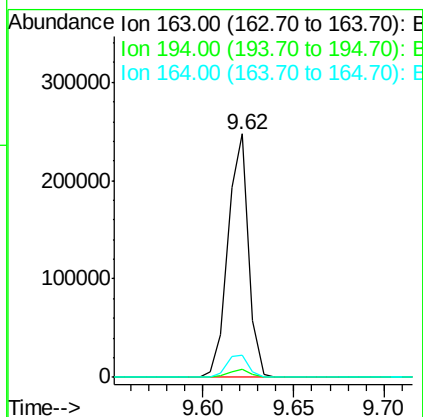
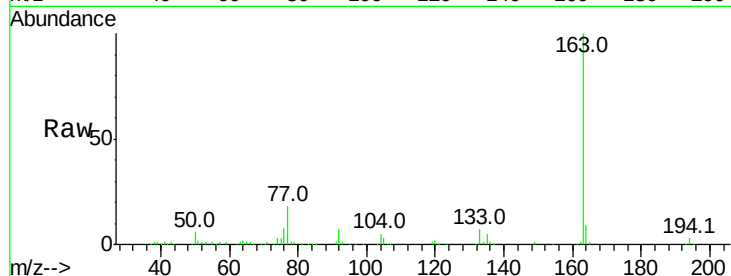
#49
Dimethylphthalate
Concen: 17.641 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.06 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Instrument :
BNA_F
ClientSampleId :
2A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	9.2	8.2	12.2	

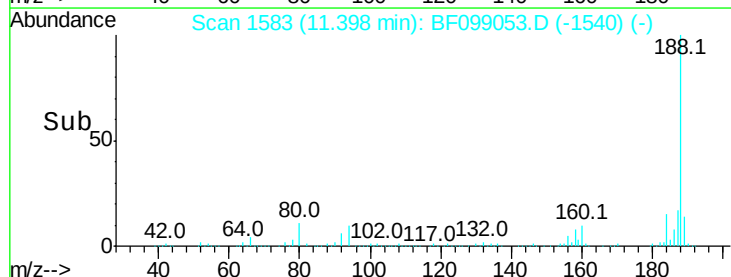
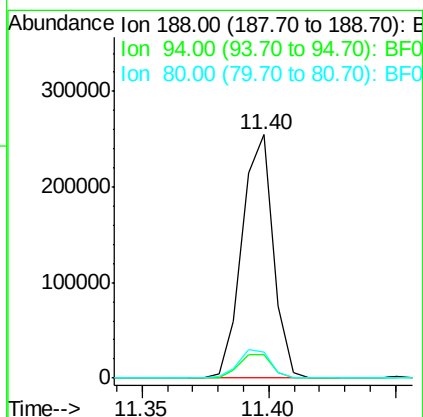
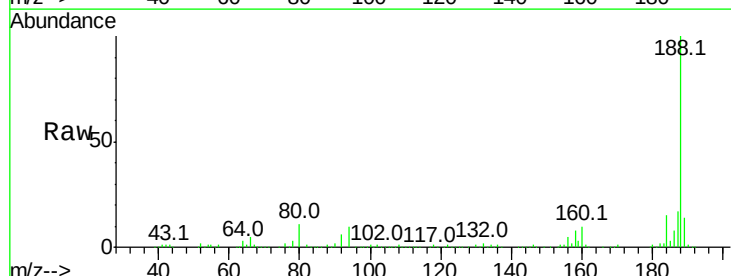
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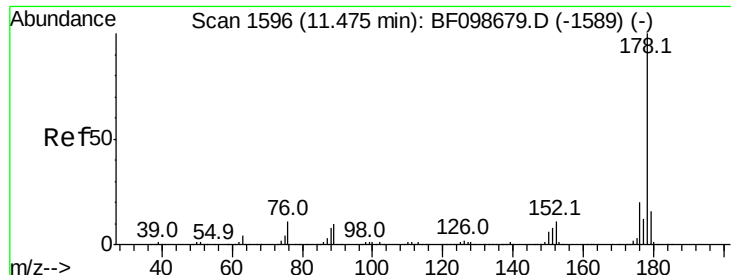
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.7	8.5	12.7	
80	10.7	9.2	13.8	





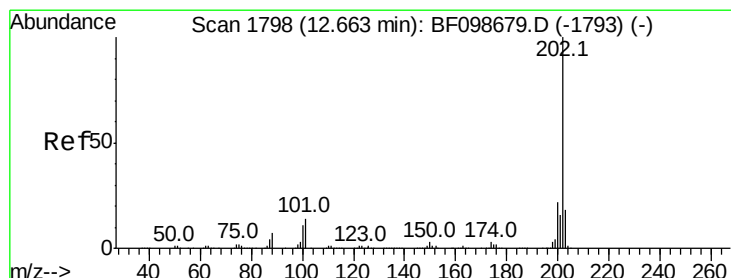
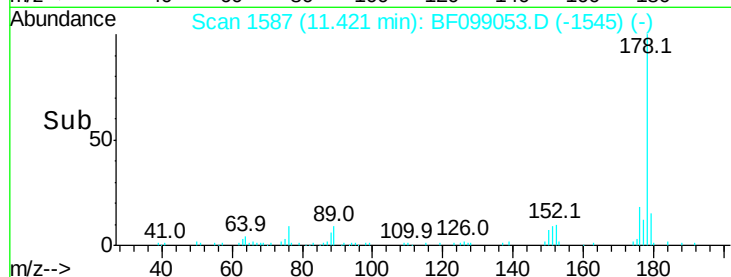
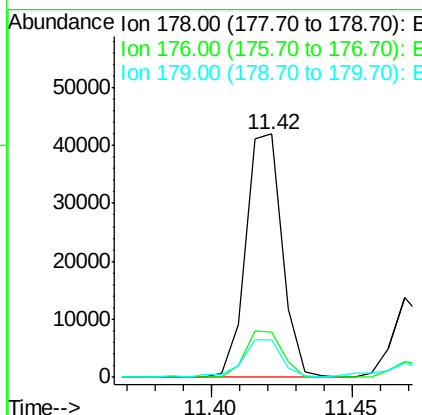
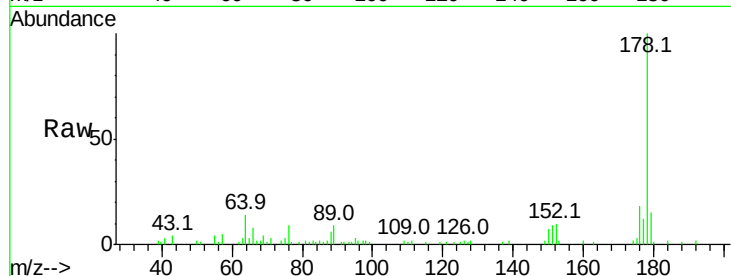
#70
Phenanthrene
Concen: 3.218 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.05 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Instrument :
BNA_F
ClientSampleId :
2A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.4	13.0	19.6

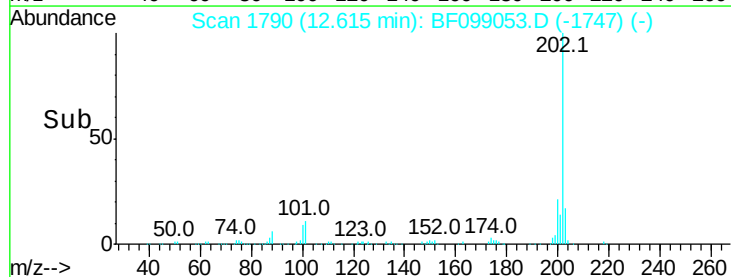
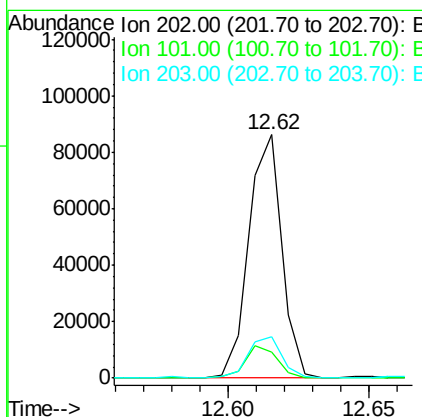
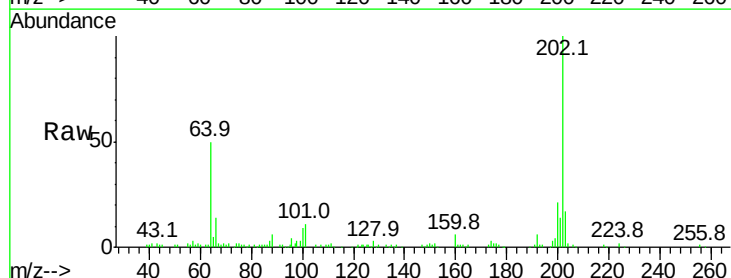
Manual Integrations
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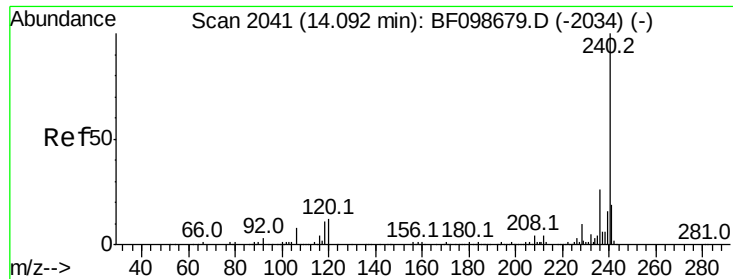
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#74
Fluoranthene
Concen: 5.946 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.05 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Instrument :

BNA_F

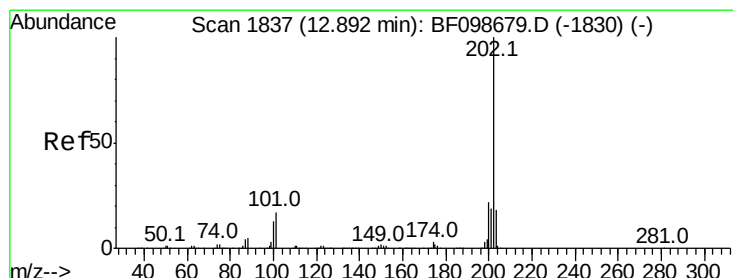
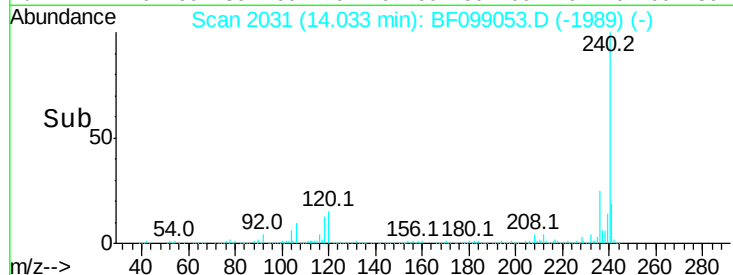
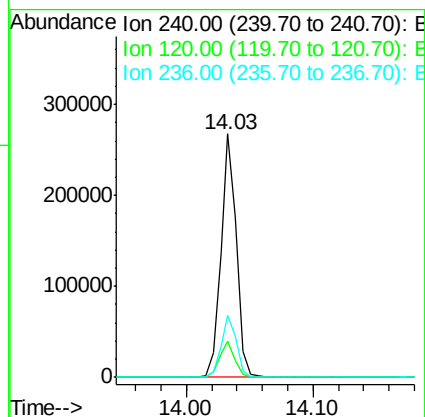
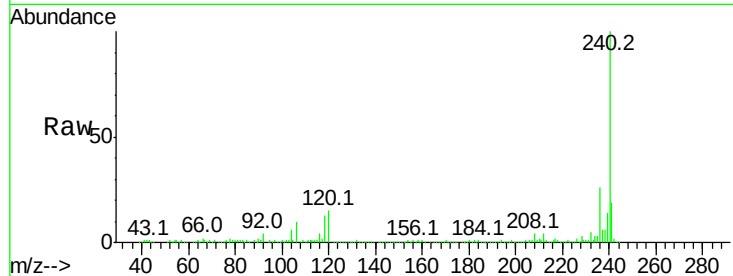
ClientSampleId :

2A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.5	14.3
236	25.5	20.7	31.1

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10/4/2017 7:21:31 PM



#77

Pyrene

Concen: 3.787 ng

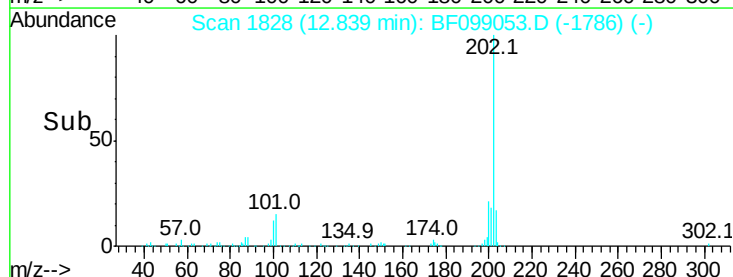
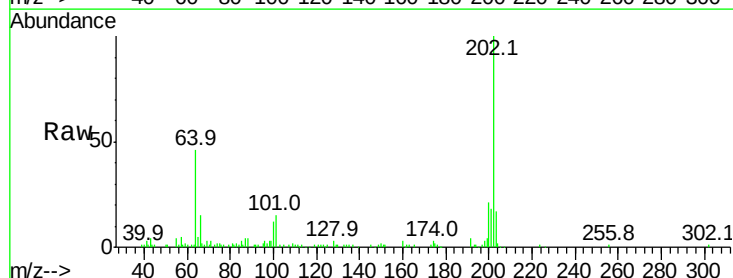
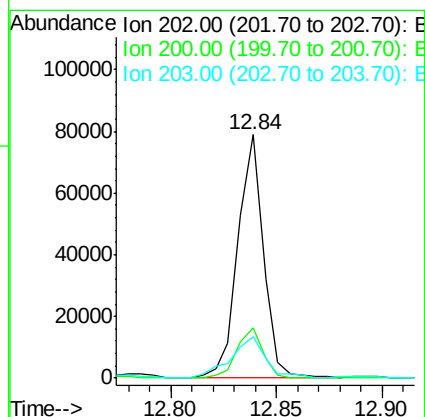
RT: 12.84 min Scan# 1828

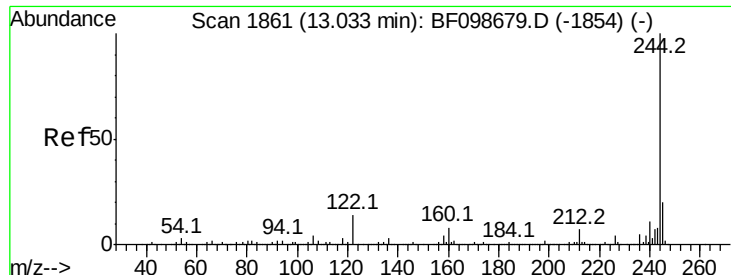
Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	16.9	14.3	21.5





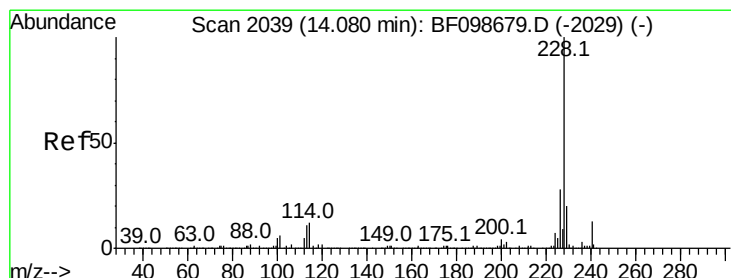
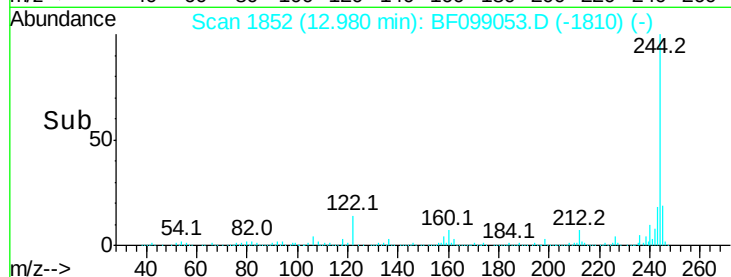
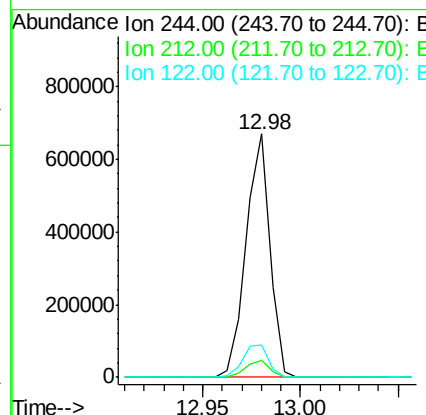
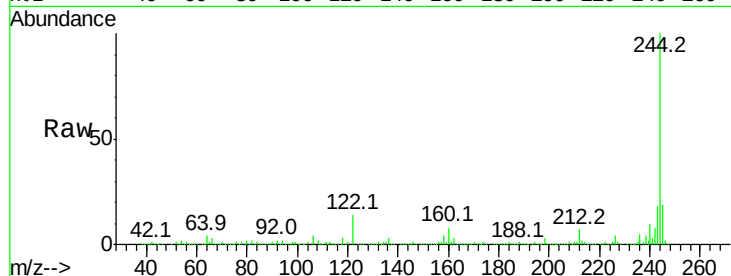
#78
 Terphenyl-d14
 Concen: 56.565 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :
 2A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.5	11.0	16.4

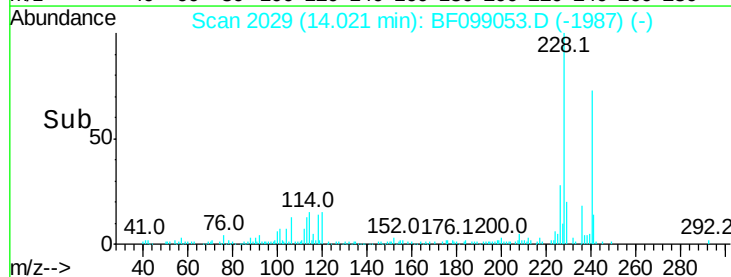
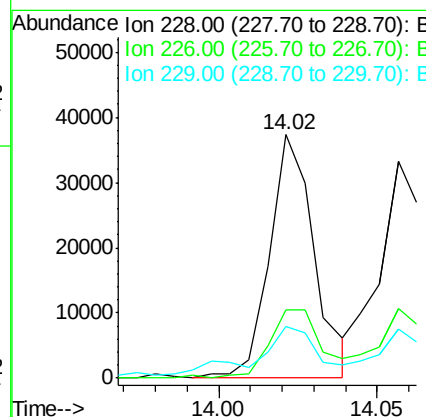
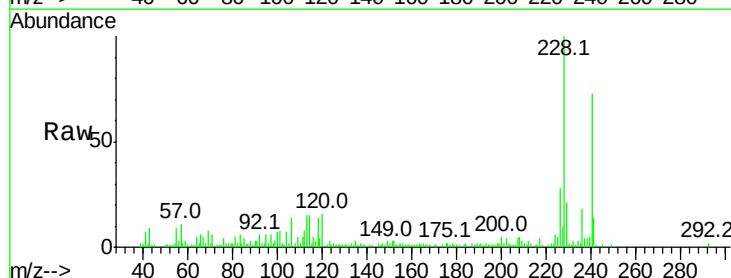
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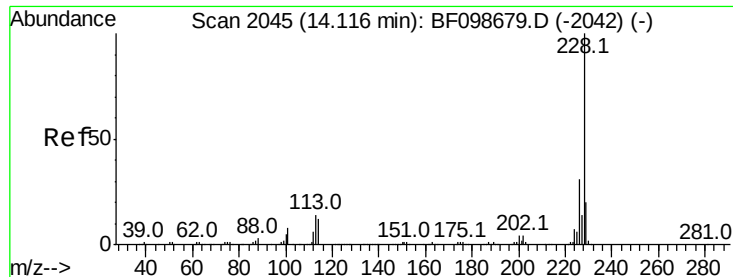
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#80
 Benzo(a)anthracene
 Concen: 2.655 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.9	15.8	23.6





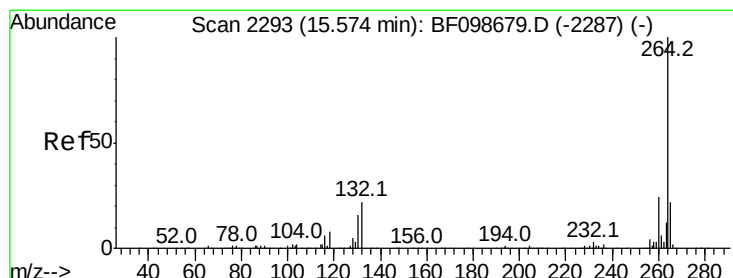
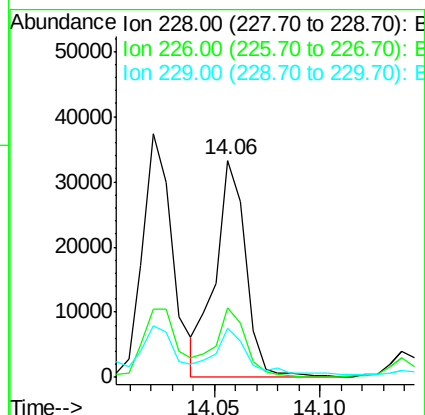
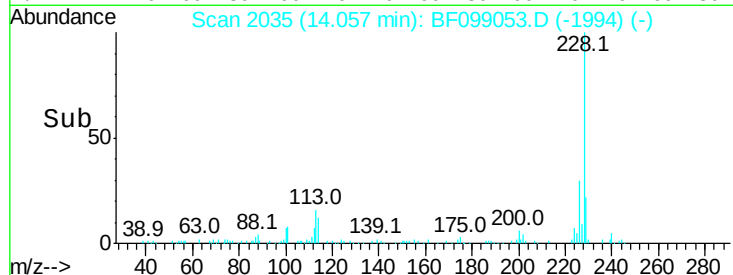
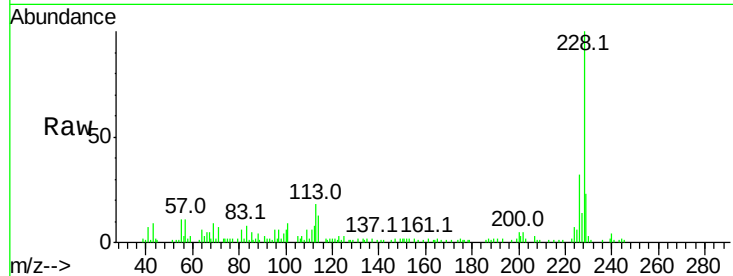
#82
Chrysene
Concen: 2.554 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.06 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Instrument :
BNA_F
ClientSampleId :
2A-(1-2)-COMP-(0-5)

Tot Ion:	228	Resp:	33626
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	22.6	16.2	24.4

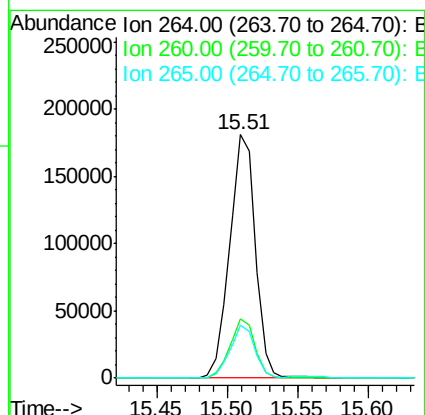
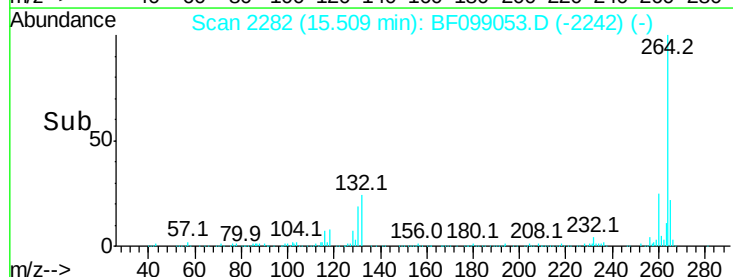
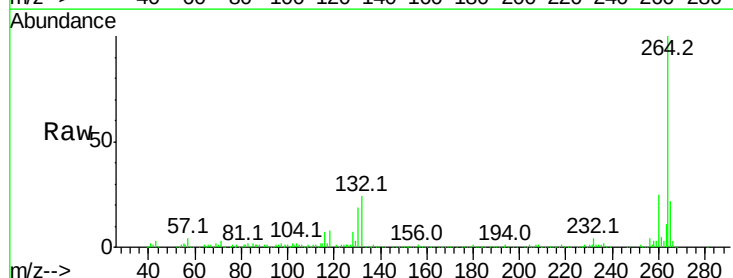
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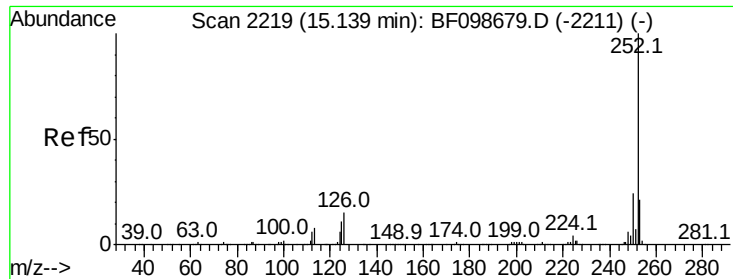
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10/4/2017 7:21:31 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion:	264	Resp:	229780
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	21.5	17.5	26.3





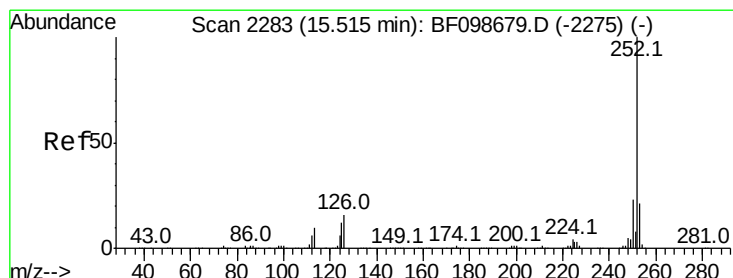
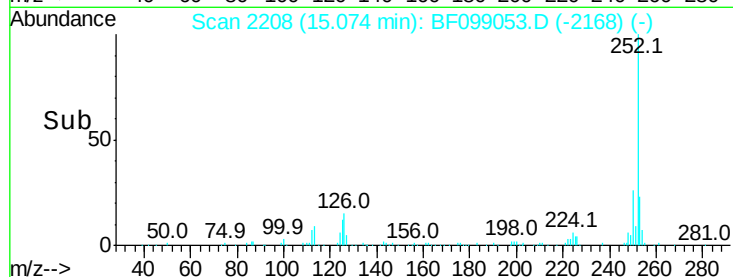
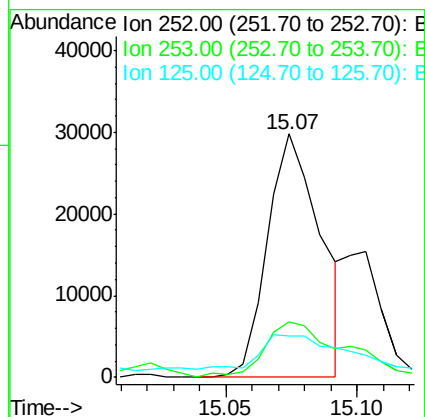
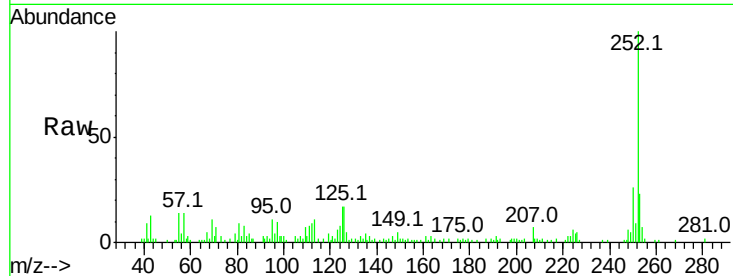
#87
Benzo(b)fluoranthene
Concen: 2.987 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.06 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Instrument :
BNA_F
ClientSampleId :
2A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	17.2	9.0	13.6

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.556 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.07 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	17.8	9.8	14.6

