

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099051.D
 Acq On : 4 Oct 2017 00:57
 Operator : SJ/JU
 Sample : I5610-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 10/4/2017 7:21:27 PM

Quant Time: Oct 04 03:55:08 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

10/4/2017 7:21:27 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	131919	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	473708	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	163919	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	241410	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	257163	20.00	ng	-0.05
86) Perylene-d12	15.51	264	264473	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1017356	122.77	ng	-0.04
7) Phenol-d6	6.50	99	1235848	120.89	ng	-0.04
23) Nitrobenzene-d5	7.44	82	683037	92.47	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	153446	114.40	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	978834	99.69	ng	-0.05
78) Terphenyl-d14	12.98	244	697564	61.69	ng	-0.05

Target Compounds

						Qvalue
10) Phenol	6.52	94	31599	2.764	ng	92
49) Dimethylphthalate	9.62	163	151009	12.206	ng	98
70) Phenanthrene	11.42	178	62725	4.854	ng	99
71) Anthracene	11.47	178	36709	2.776	ng	99
74) Fluoranthene	12.62	202	178252	13.623	ng	99
77) Pyrene	12.84	202	167811	8.558	ng	98
80) Benzo(a)anthracene	14.03	228	106048	6.810	ng	99
82) Chrysene	14.06	228	103247	6.964	ng	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	28021	2.363	ng	96
87) Benzo(b)fluoranthene	15.07	252	92148m	5.667	ng	
88) Benzo(k)fluoranthene	15.10	252	35147m	2.188	ng	
89) Benzo(a)pyrene	15.44	252	65925	4.417	ng	# 94
91) Benzo(a,h,i)perylene	17.43	276	25706	2.177	ng	96

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

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ALS Vial : 17 Sample Multiplier: 1

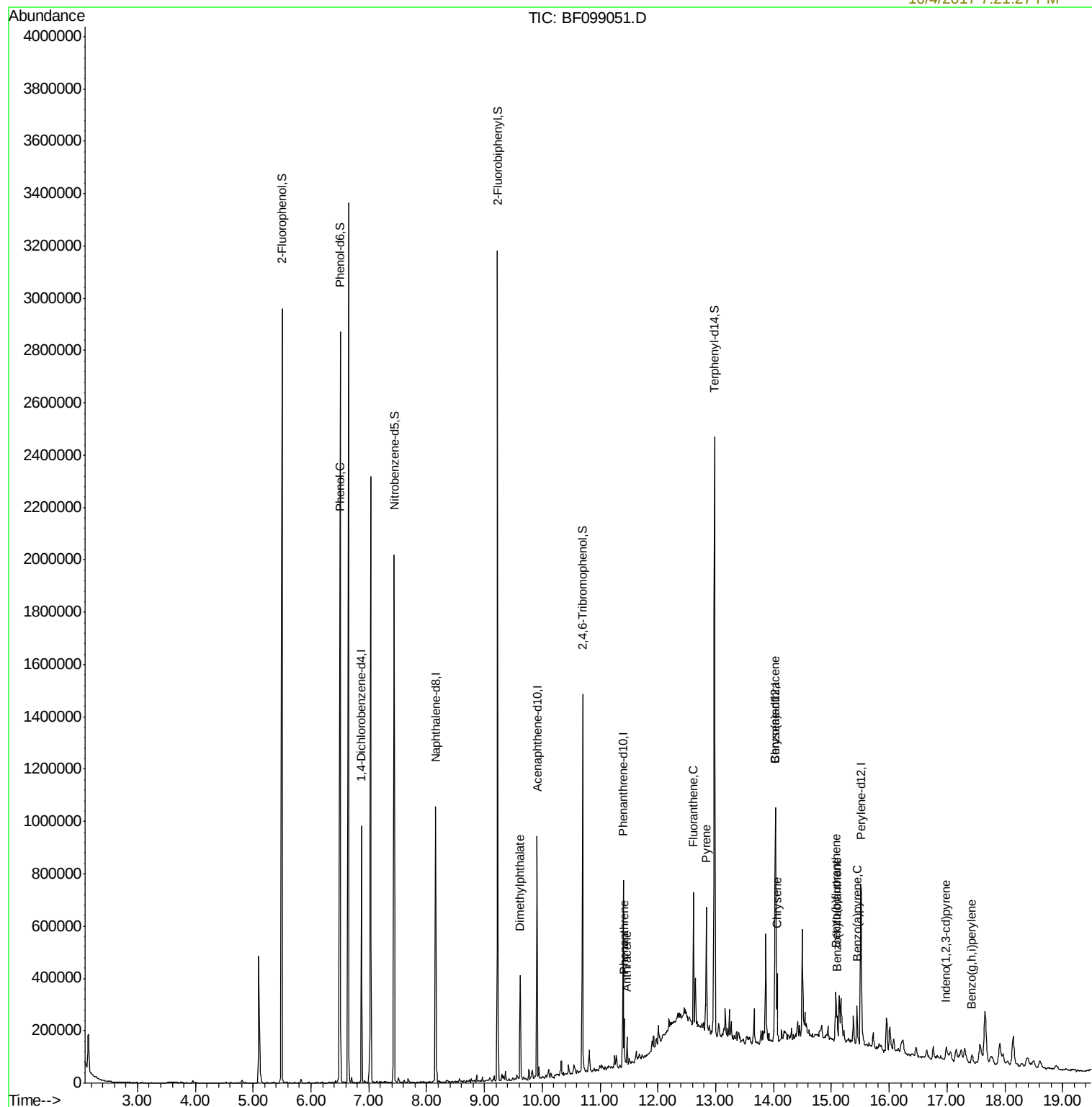
Instrument :
BNA_F
ClientSampleId :
1A-(1-2)-COMP-(0-5)

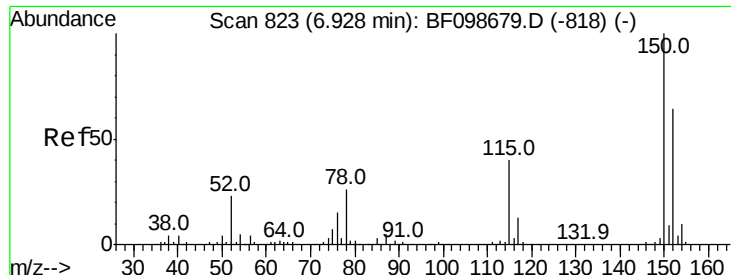
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
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#1

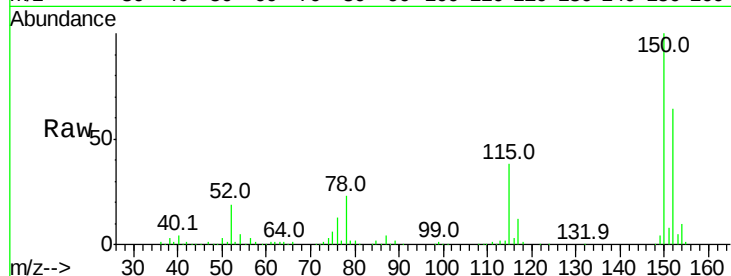
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

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

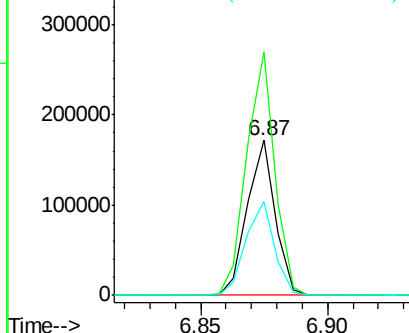
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	60.3	50.1	75.1

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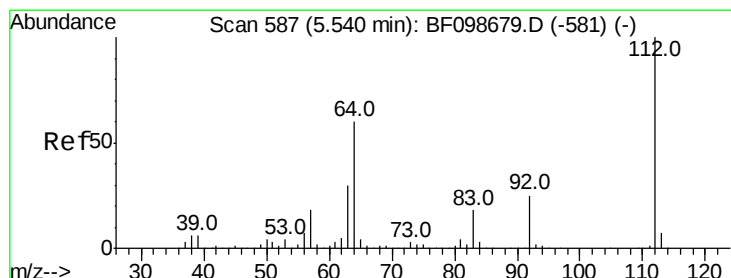
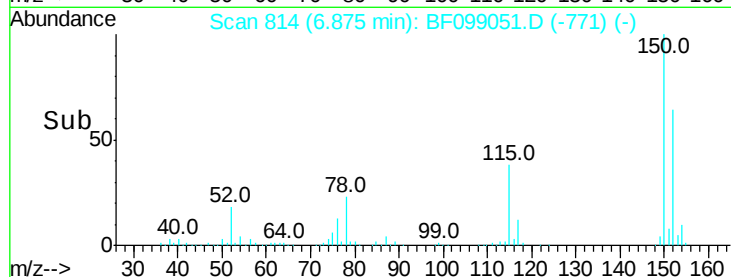
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



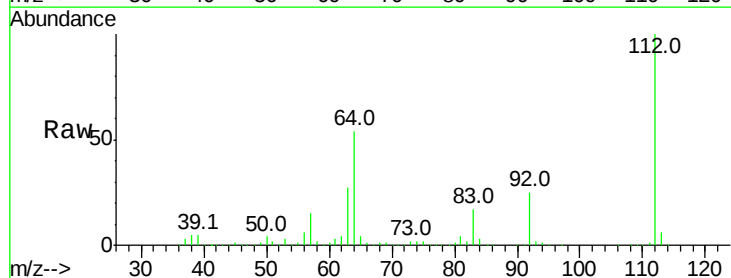
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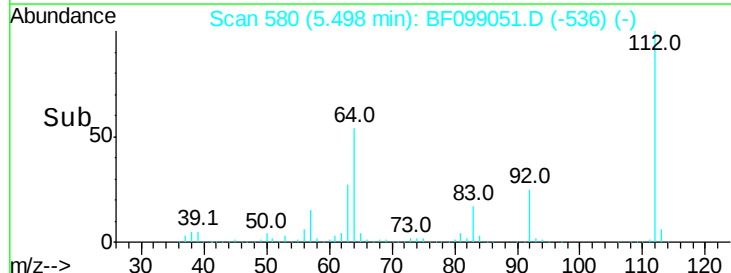
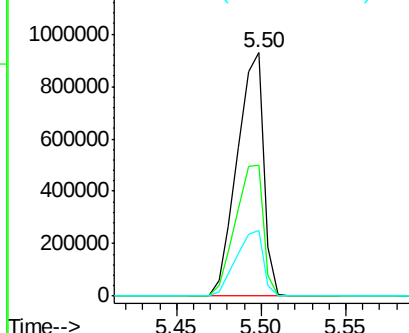
#5

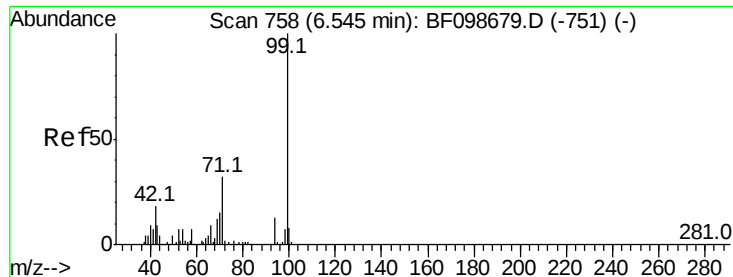
2-Fluorophenol
Concen: 122.767 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.04 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	47.9	71.9
63	26.9	23.7	35.5



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: 120.891 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099051.D

Acq: 4 Oct 2017 00:57

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion: 99 Resp: 1235848

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

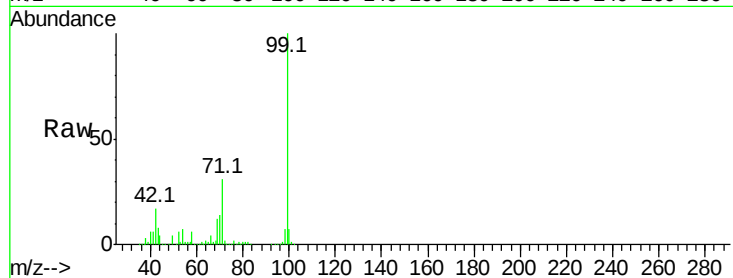
71 31.4 25.4 38.0

Manual Integrations

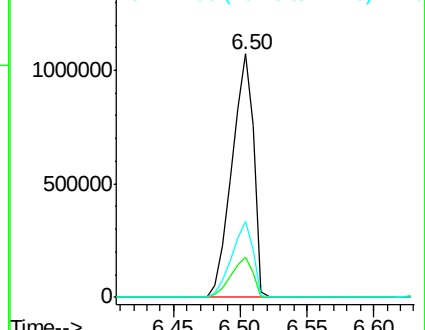
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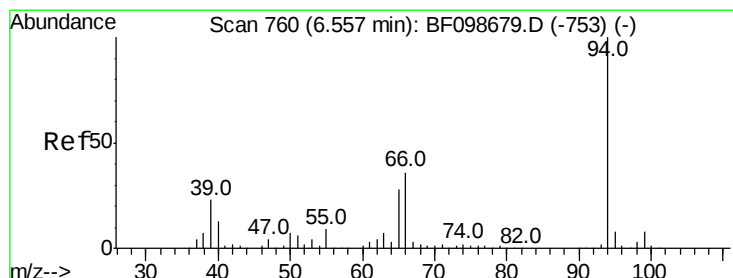
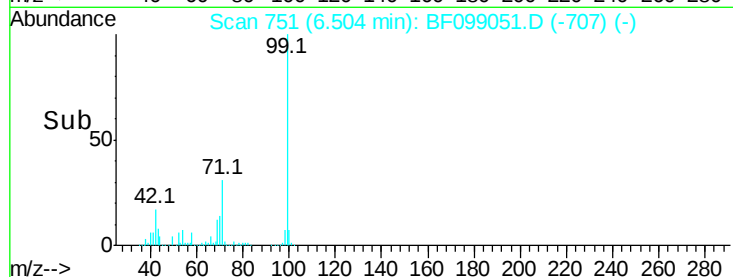
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



10/4/2017 7:21:27 PM



#10

Phenol

Concen: 2.764 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BF099051.D

Acq: 4 Oct 2017 00:57

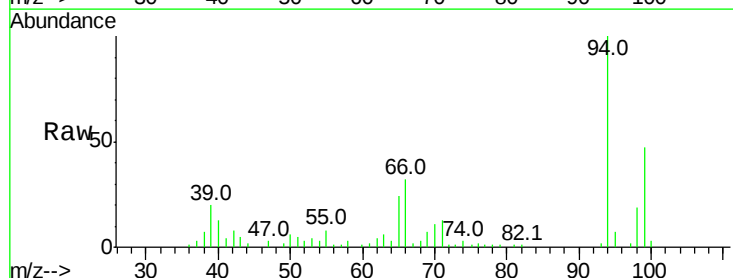
Tgt Ion: 94 Resp: 31599

Ion Ratio Lower Upper

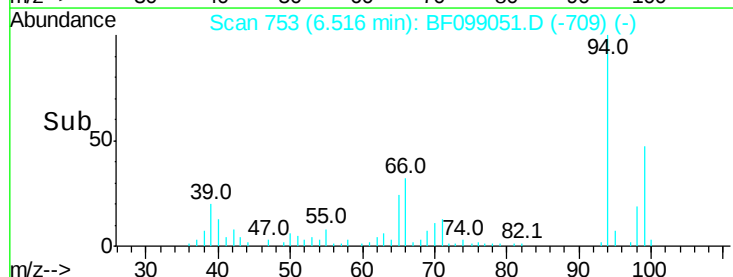
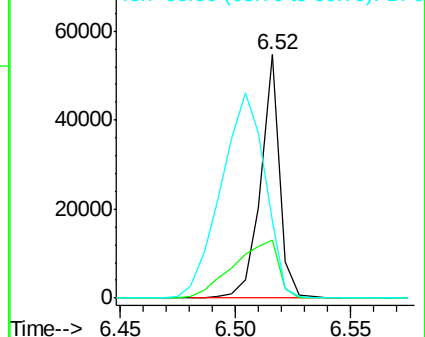
94 100

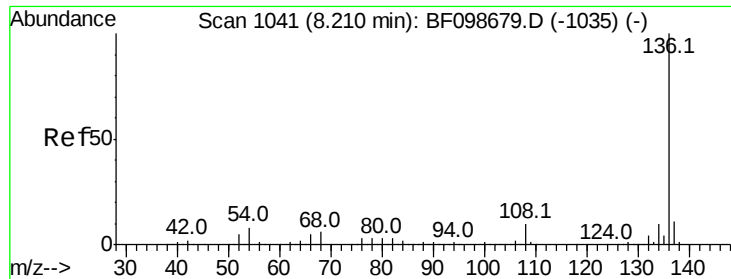
65 23.7 7.9 47.9

66 32.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





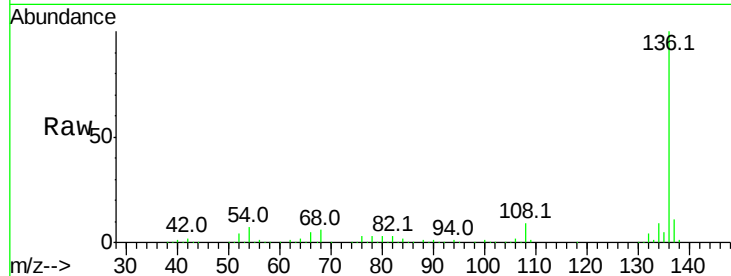
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

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

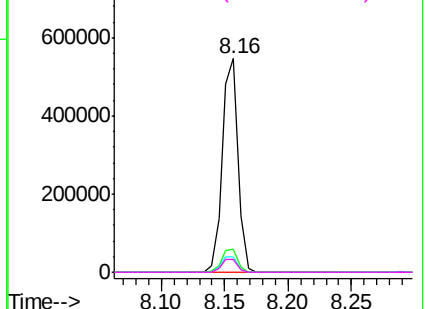
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	7.0	6.6	9.8	
68	5.8	5.0	7.4	

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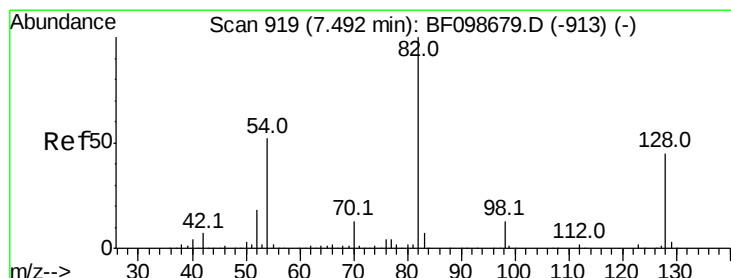
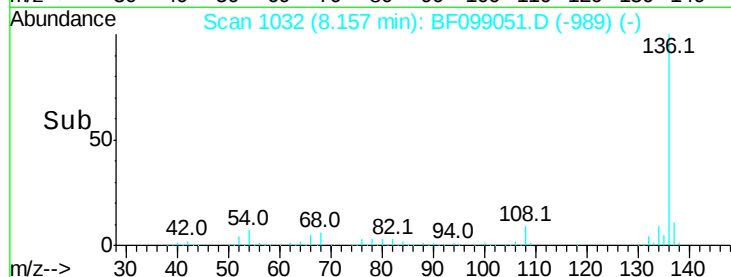
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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

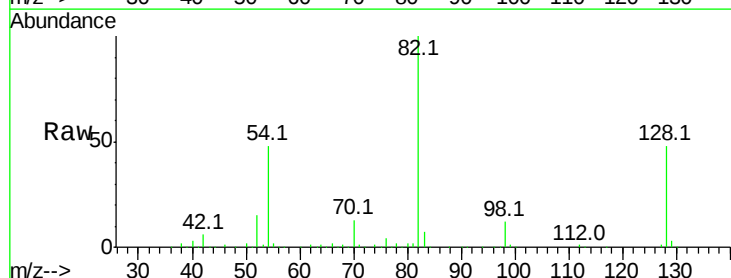


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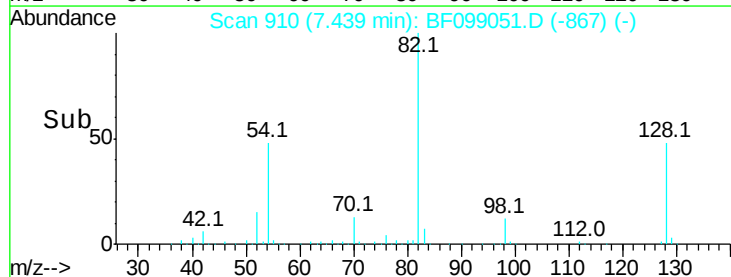
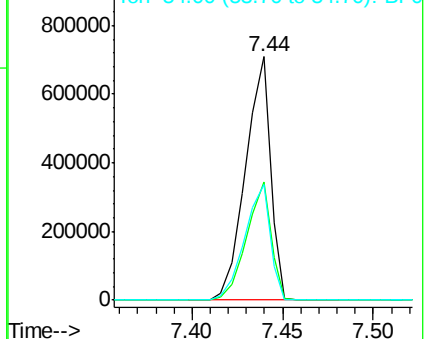


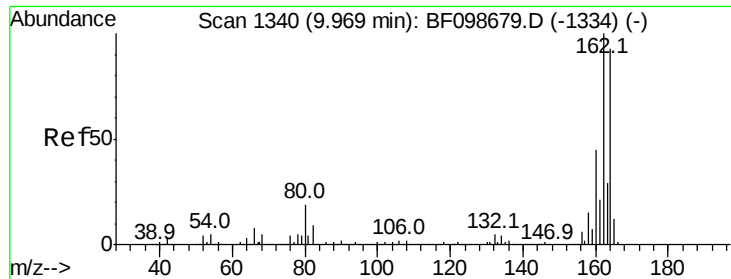
#23
Nitrobenzene-d5
Concen: 92.469 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.05 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.3	36.1	54.1	
54	47.6	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





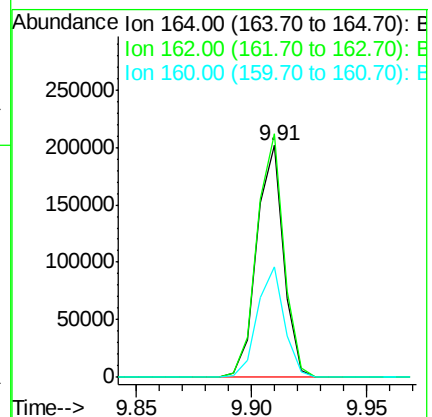
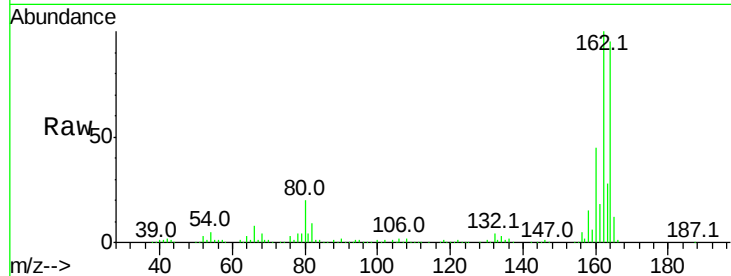
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.05 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

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

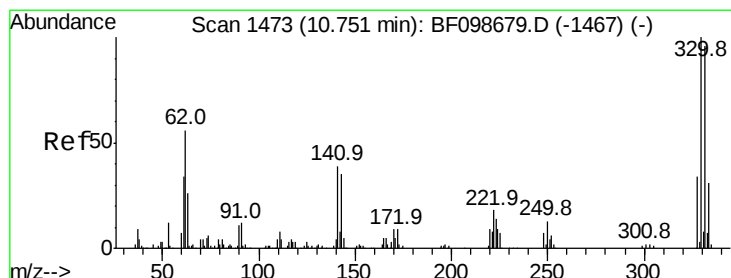
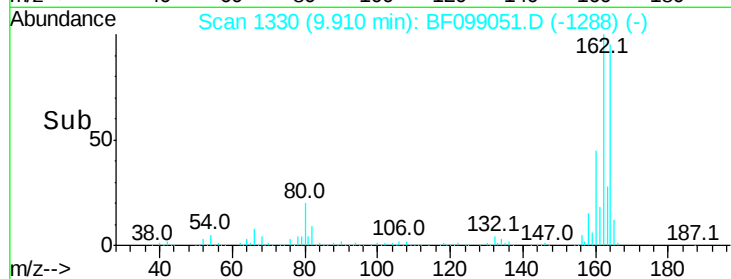
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	47.5	38.3	57.5

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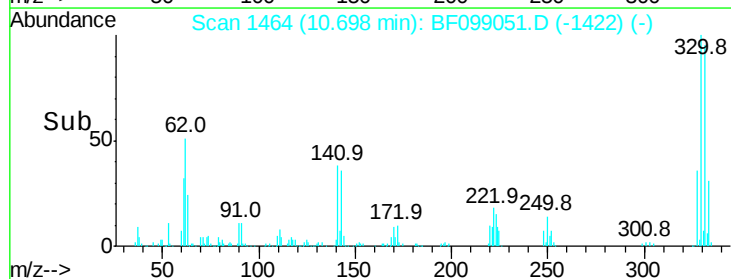
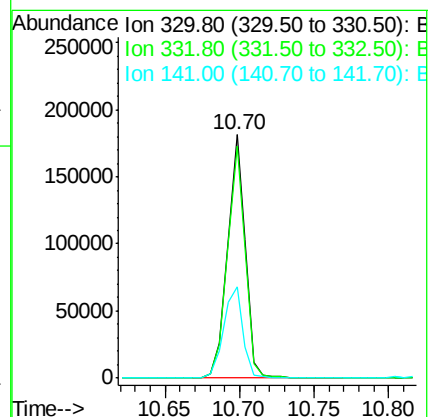
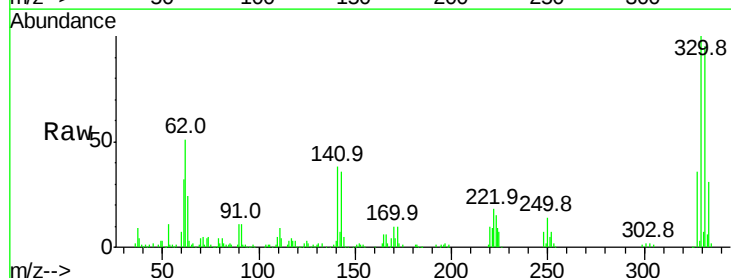


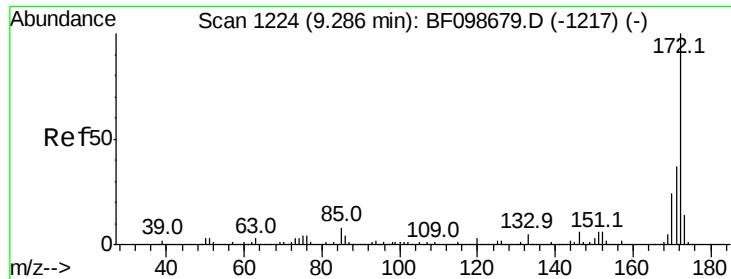
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#41
2,4,6-Tribromophenol
Concen: 114.401 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.05 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	41.0	29.9	44.9





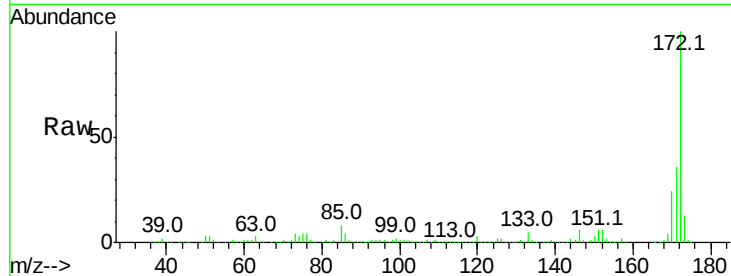
#44
2-Fluorobiphenyl
Concen: 99.688 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.05 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

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

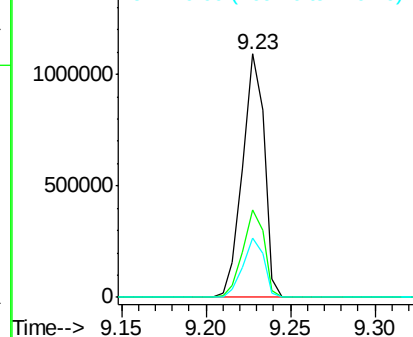
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	24.2	19.6	29.4	

Manual Integrations
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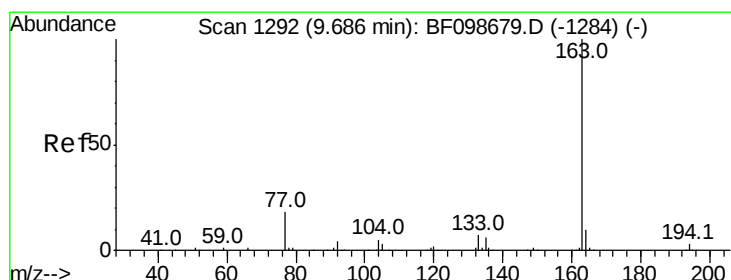
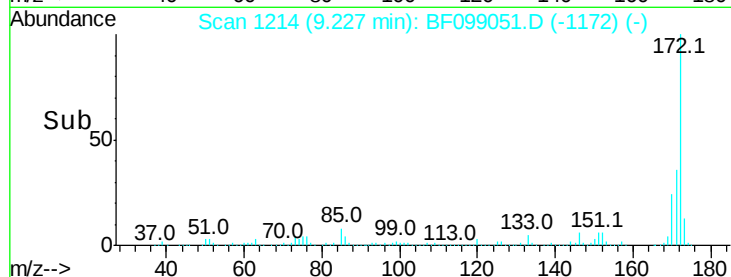
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

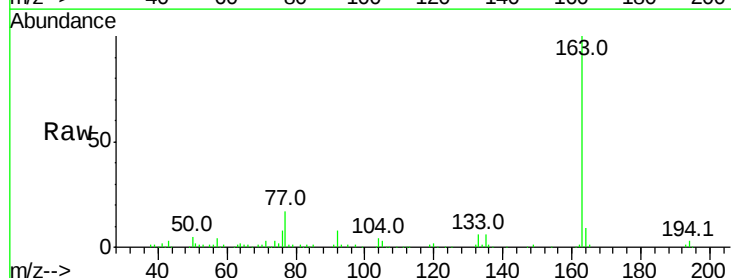


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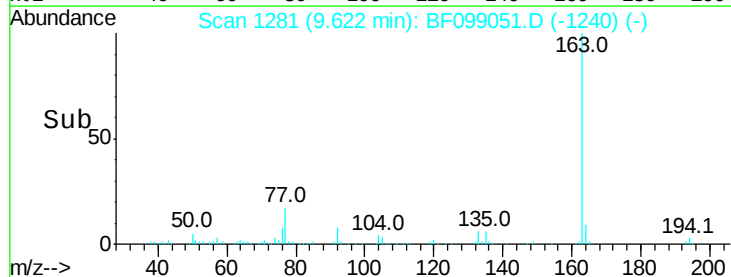
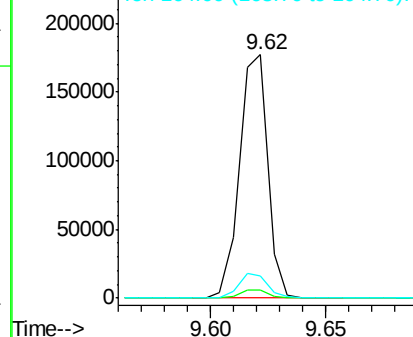


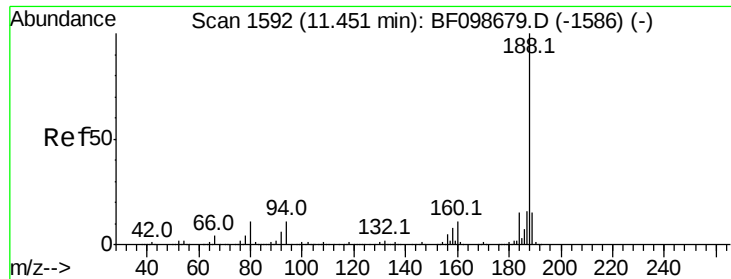
#49
Dimethylphthalate
Concen: 12.206 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.06 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	9.0	8.2	12.2	



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





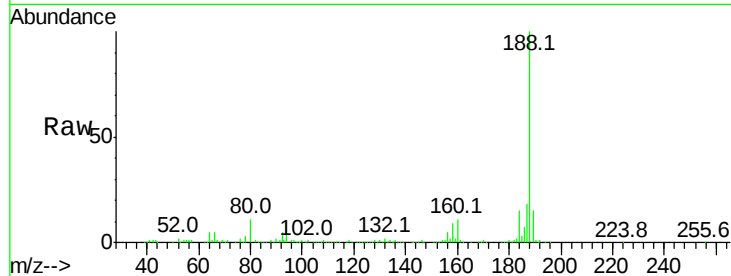
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	241410		
94	10.3		8.5	12.7
80	10.7		9.2	13.8

Manual Integrations
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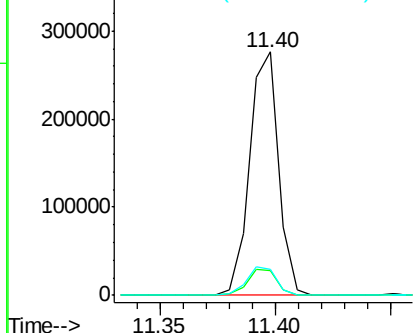
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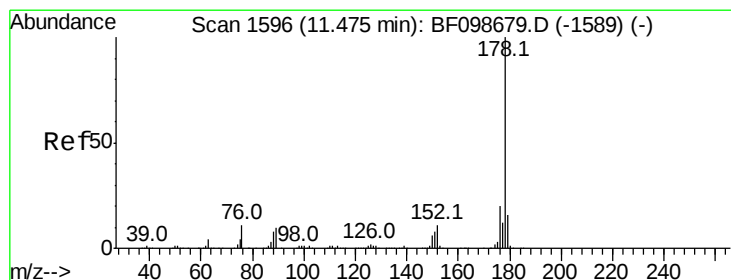
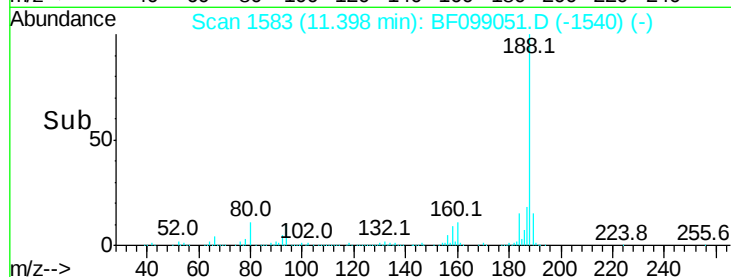
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

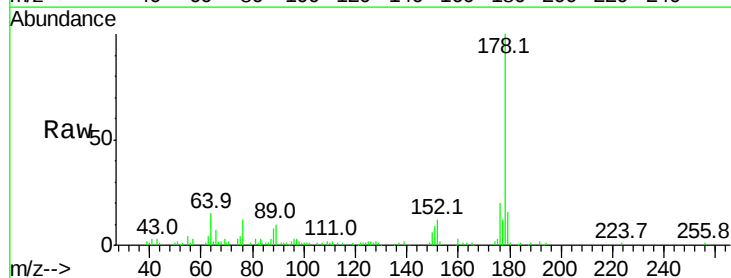


10/4/2017 7:21:27 PM



#70
Phenanthrene
Concen: 4.854 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.06 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

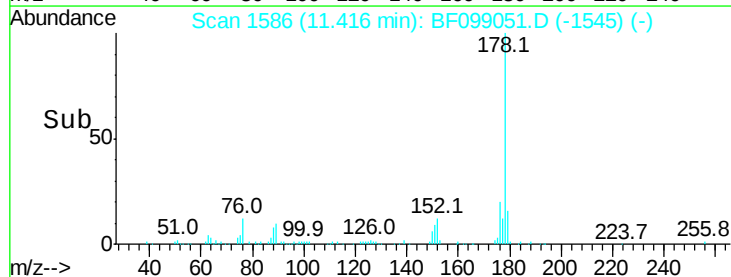
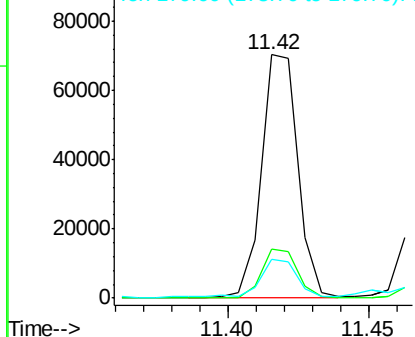
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	62725		
176	20.0		15.8	23.8
179	15.9		13.0	19.6

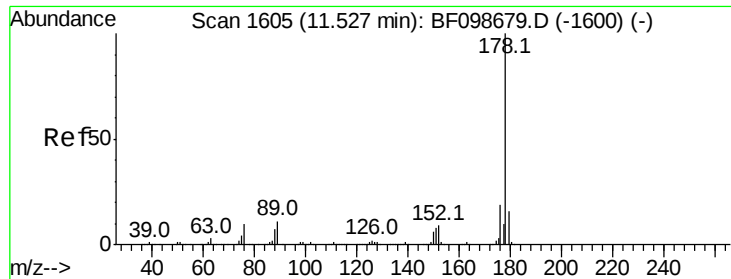


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





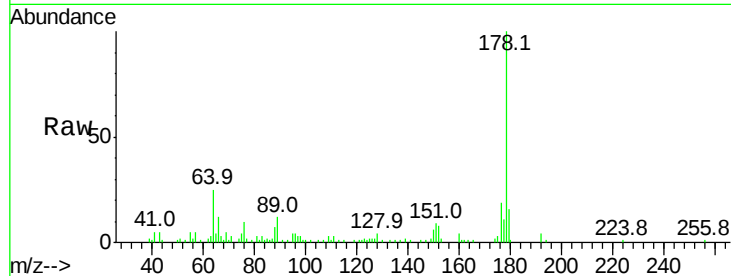
#71
 Anthracene
 Concen: 2.776 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.06 min
 Lab File: BF099051.D
 Acq: 4 Oct 2017 00:57

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.8	12.6	19.0

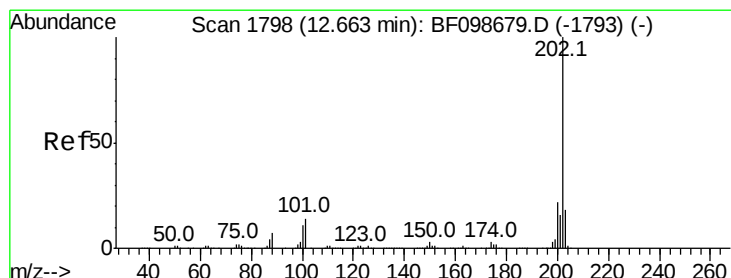
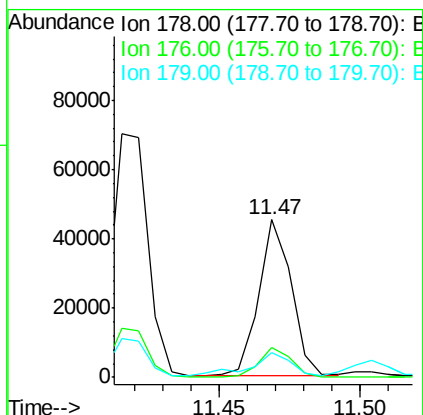
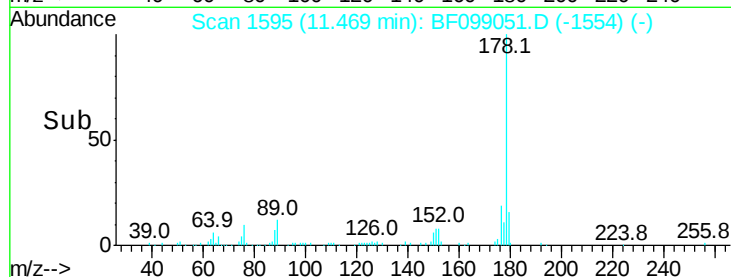
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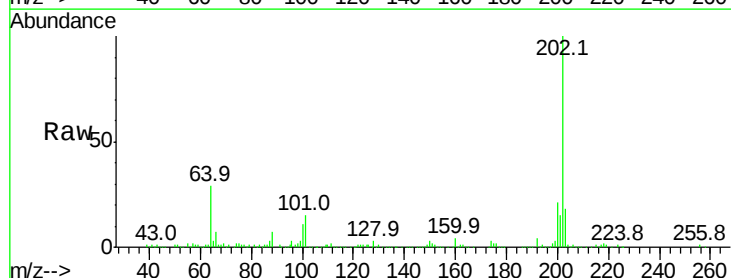
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

10/4/2017 7:21:27 PM

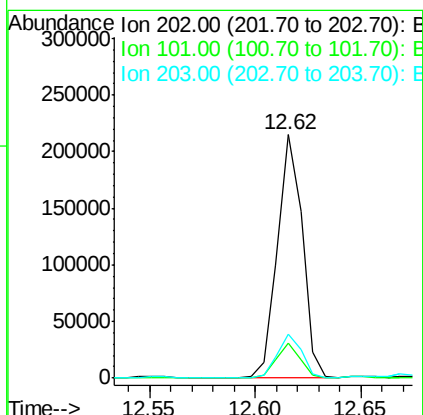
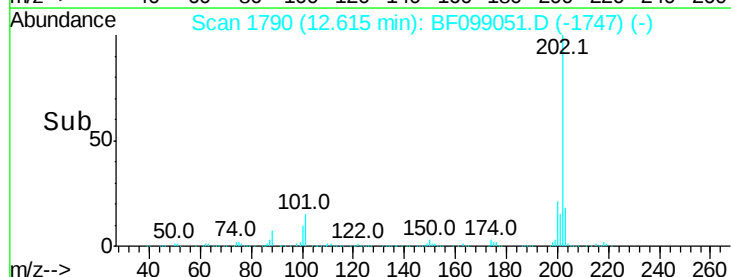


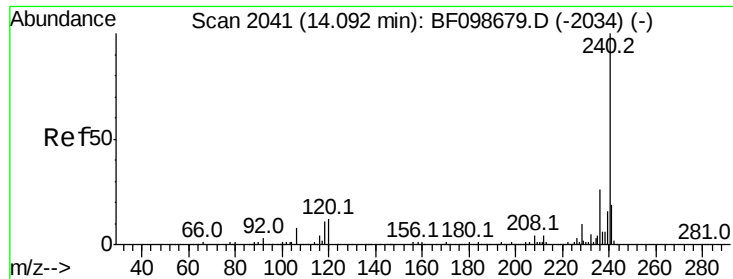
#74
 Fluoranthene
 Concen: 13.623 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.05 min
 Lab File: BF099051.D
 Acq: 4 Oct 2017 00:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	18.2	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.05 min

Lab File: BF099051.D

Acq: 4 Oct 2017 00:57

Instrument :

BNA_F

ClientSampleId :

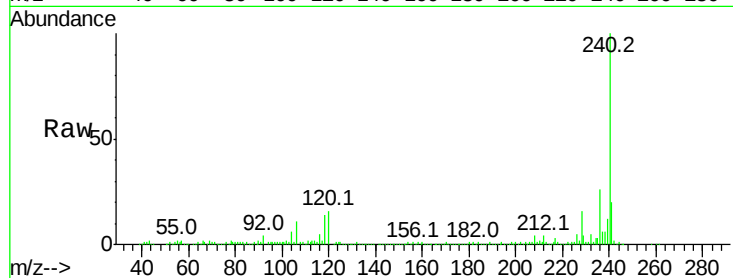
1A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	25.7	20.7	31.1

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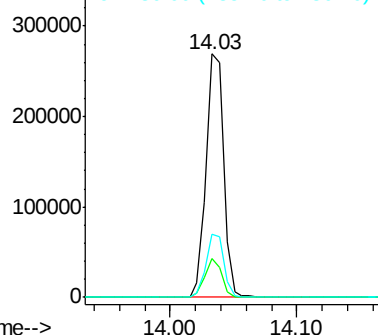
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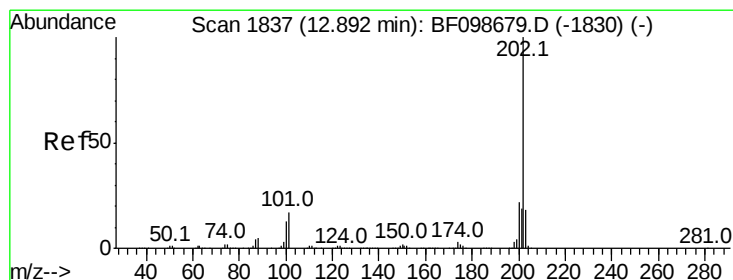
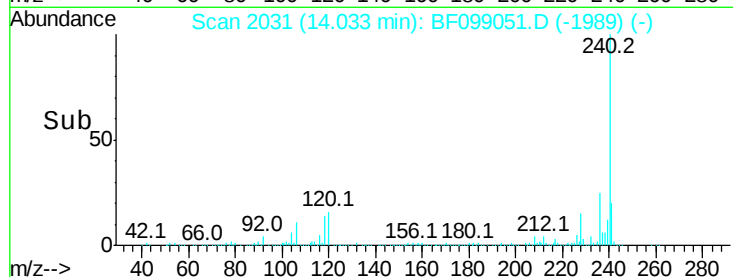
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



10/4/2017 7:21:27 PM



#77

Pyrene

Concen: 8.558 ng

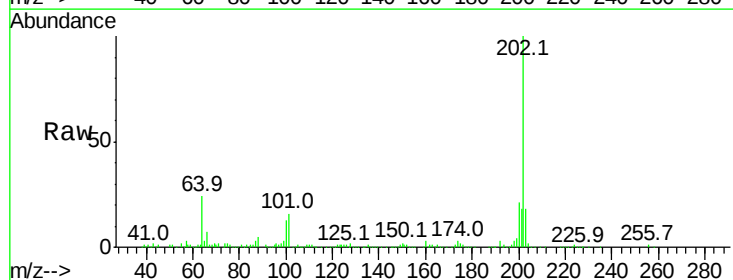
RT: 12.84 min Scan# 1828

Delta R.T. -0.05 min

Lab File: BF099051.D

Acq: 4 Oct 2017 00:57

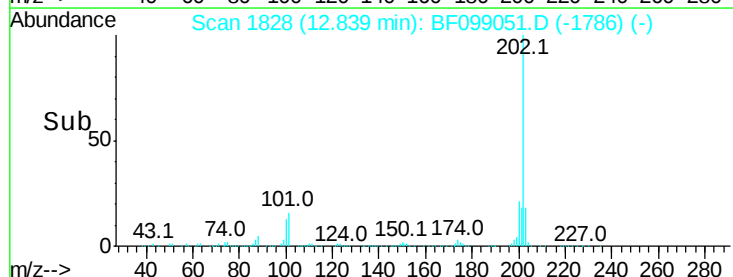
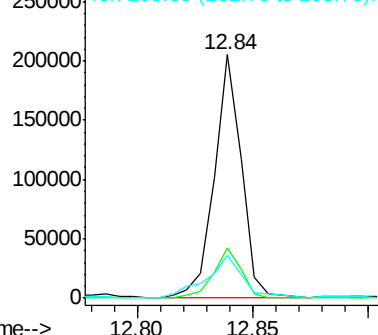
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.5	14.3	21.5

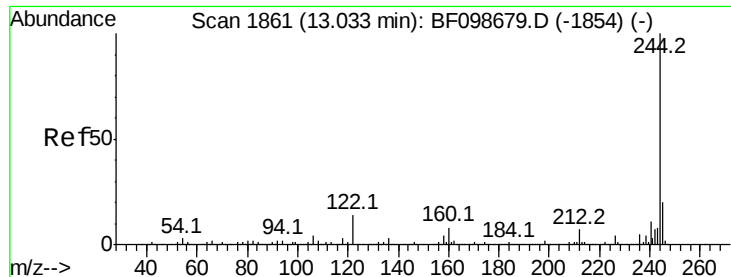


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.689 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099051.D

Acq: 4 Oct 2017 00:57

Instrument :

BNA_F

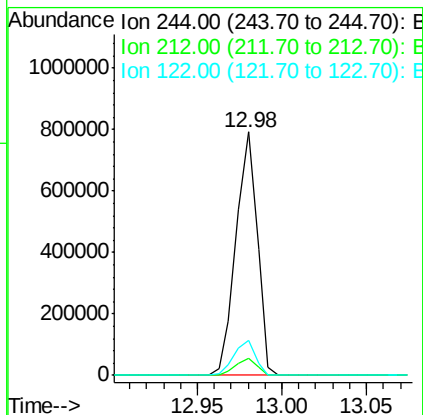
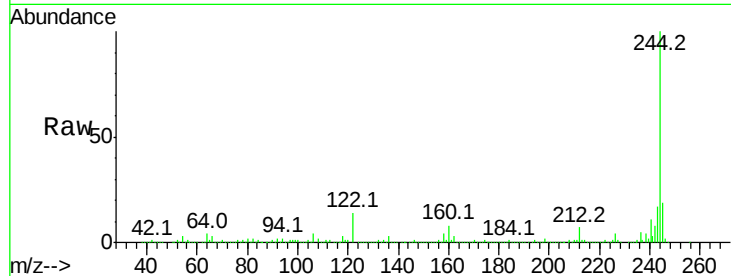
ClientSampleId :

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

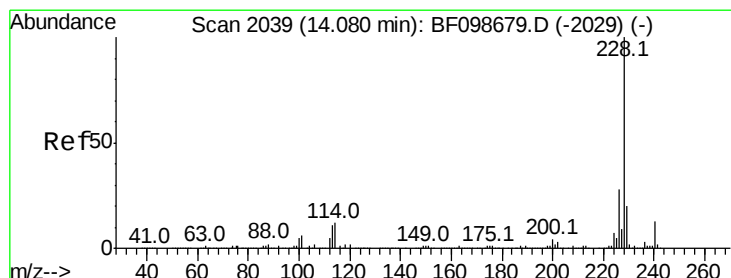
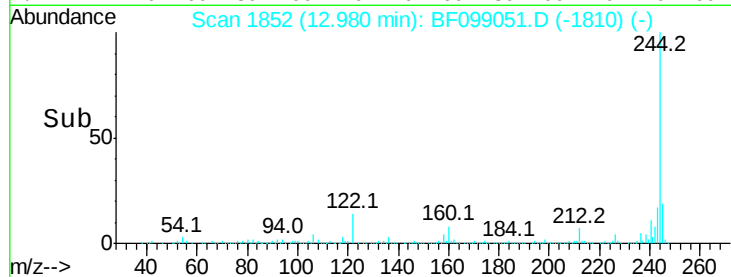
Tot Ion:	244	Resp:	697564
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	14.1	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 6.810 ng

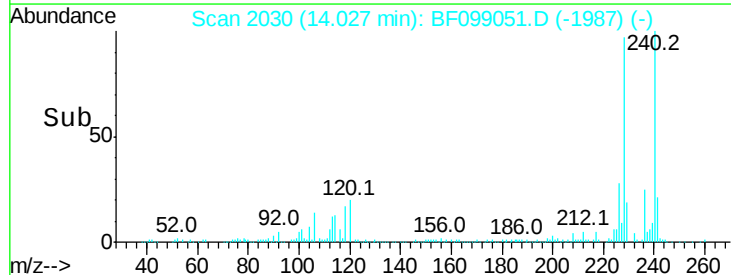
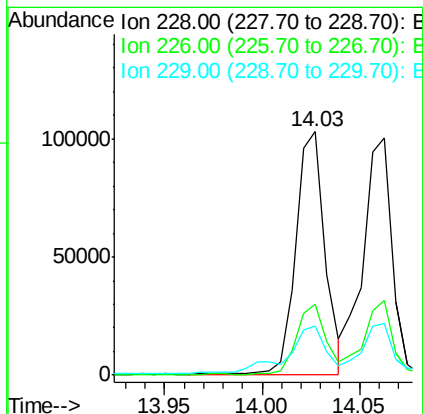
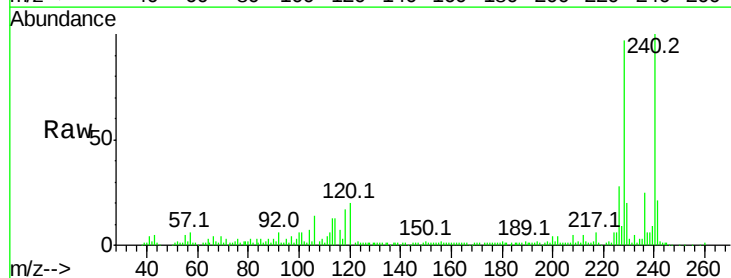
RT: 14.03 min Scan# 2030

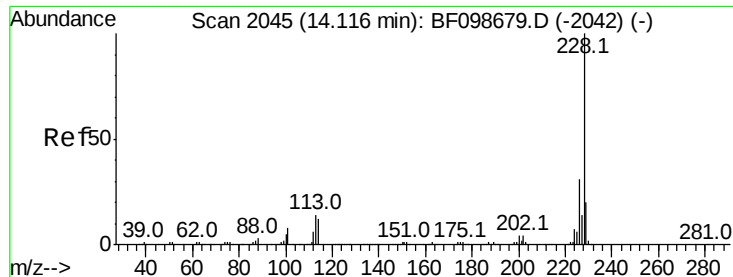
Delta R.T. -0.05 min

Lab File: BF099051.D

Acq: 4 Oct 2017 00:57

Tgt Ion:	228	Resp:	106048
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.6	33.8
229	20.2	15.8	23.6





#82

Chrysene

Concen: 6.964 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.05 min

Lab File: BF099051.D

Acq: 4 Oct 2017 00:57

Instrument :

BNA_F

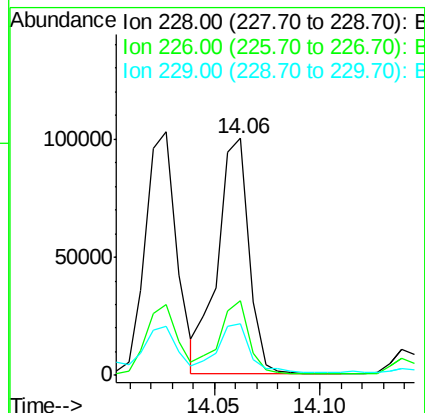
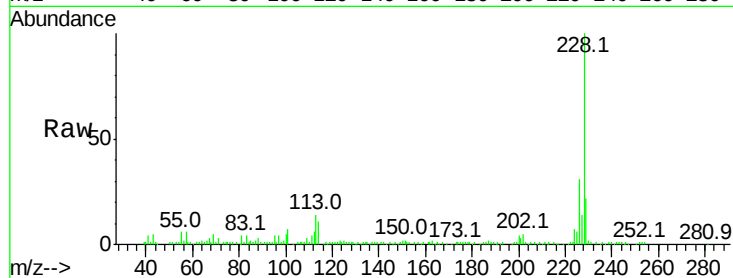
ClientSampleId :

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

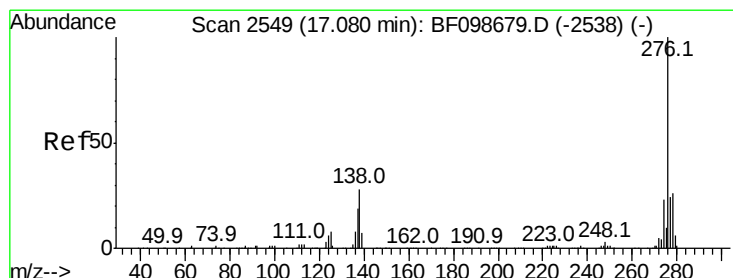
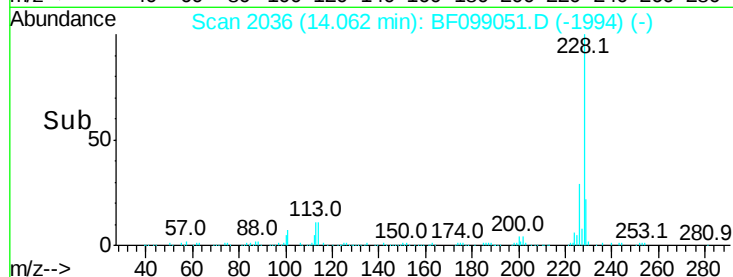
Tot Ion:	228	Resp:	103247
Ion Ratio		Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.363 ng

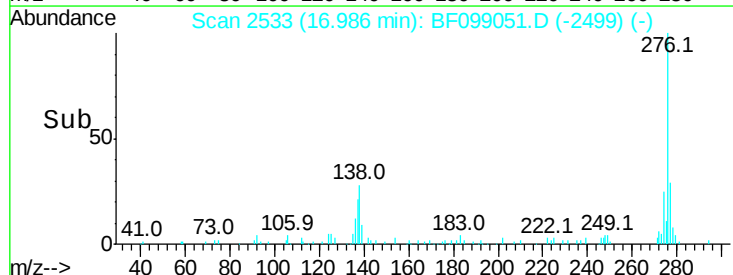
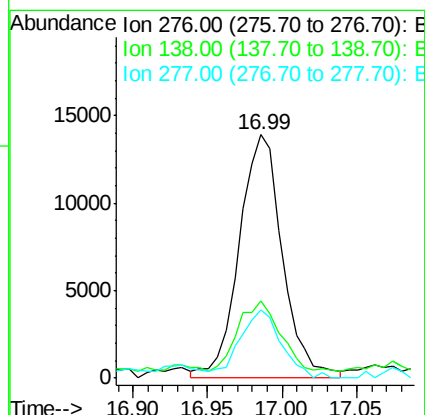
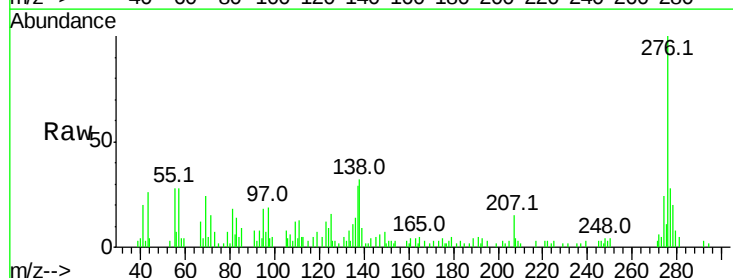
RT: 16.99 min Scan# 2533

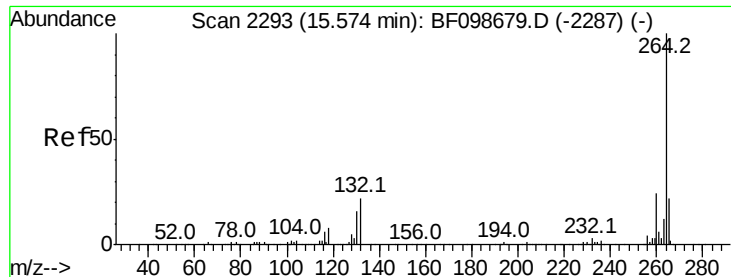
Delta R.T. -0.10 min

Lab File: BF099051.D

Acq: 4 Oct 2017 00:57

Tgt Ion:	276	Resp:	28021
Ion Ratio		Lower	Upper
276	100		
138	29.0	25.0	37.6
277	26.8	20.1	30.1





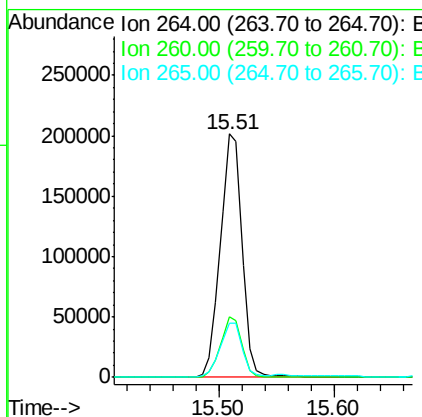
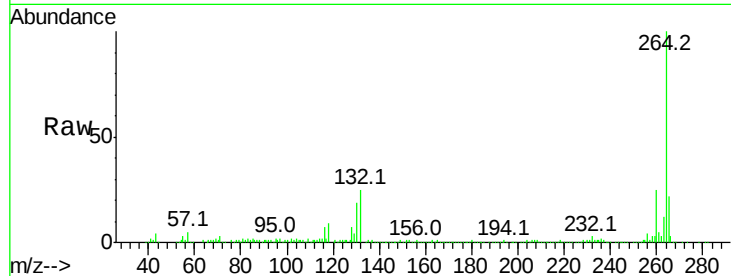
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

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

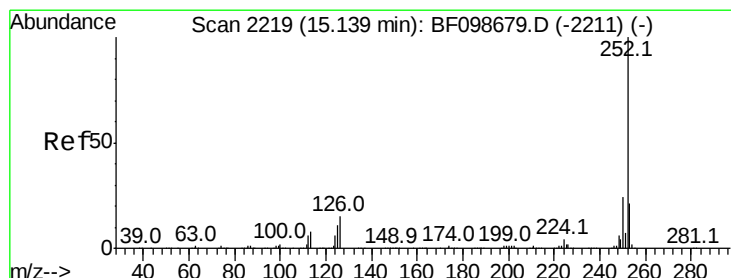
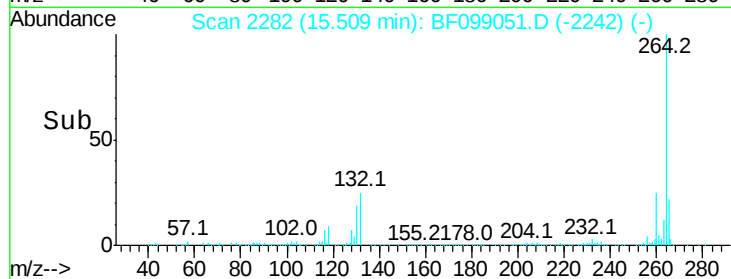
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.3	17.5	26.3

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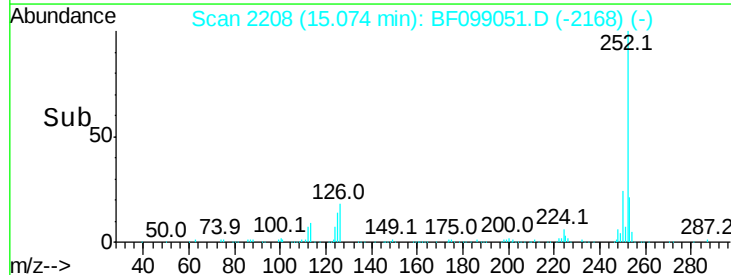
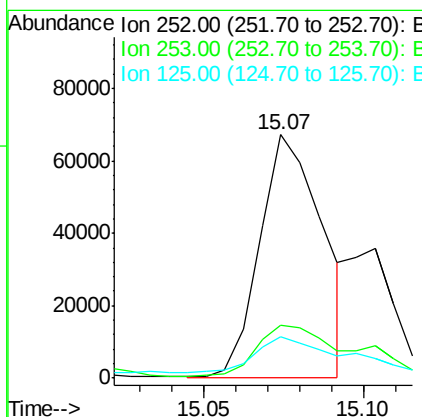
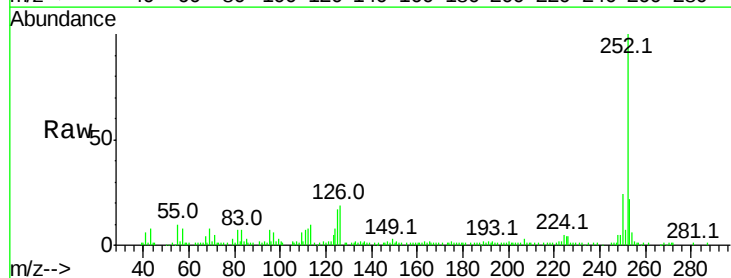


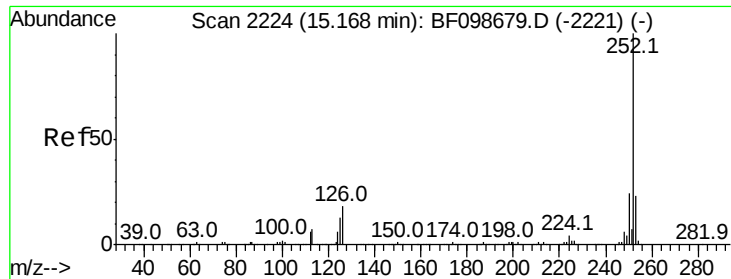
10/4/2017 7:21:27 PM



#87
Benzo(b)fluoranthene
Concen: 5.667 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.06 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	17.1	9.0	13.6#





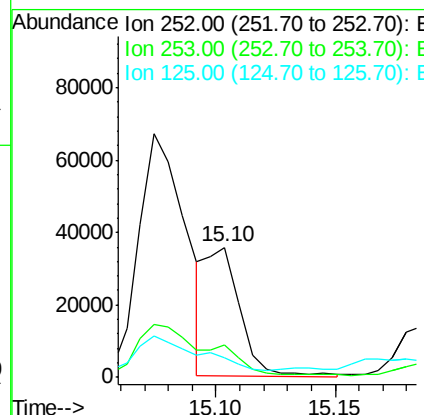
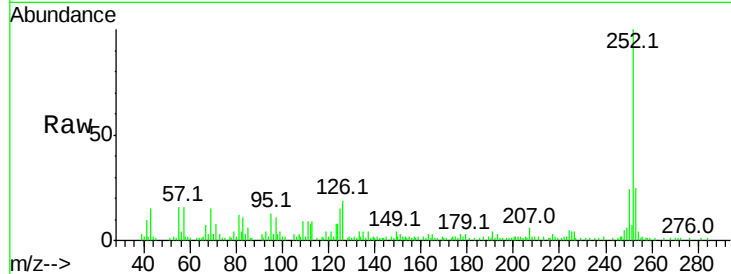
#88
Benzo(k)fluoranthene
Concen: 2.188 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.06 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

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

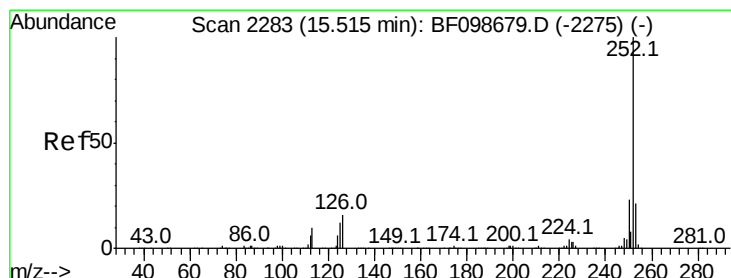
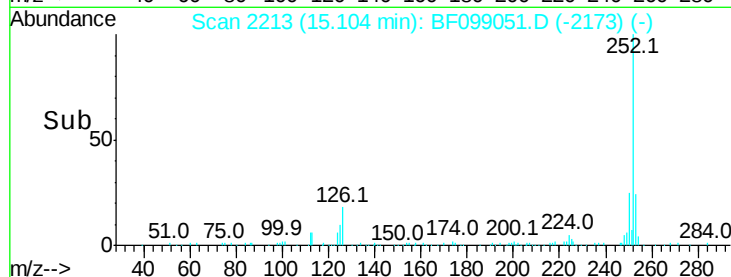
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	15.4	10.2	15.2#

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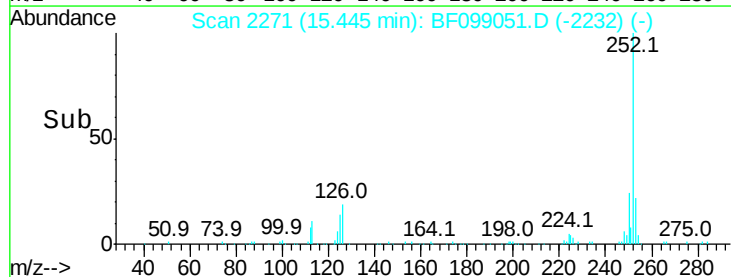
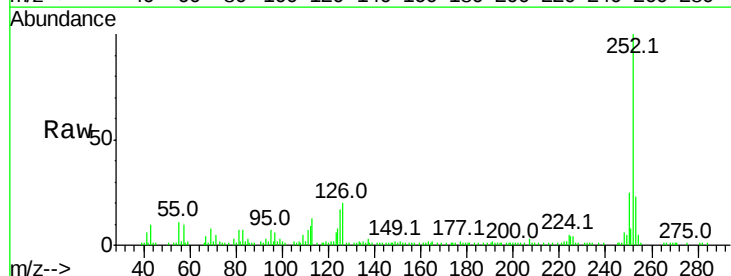
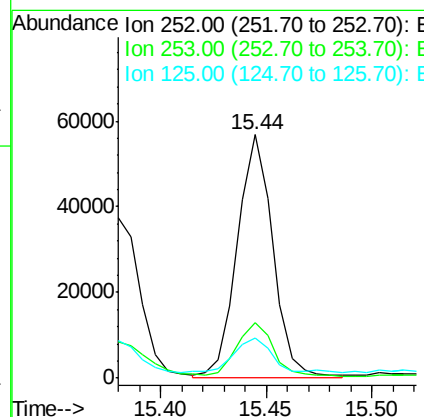


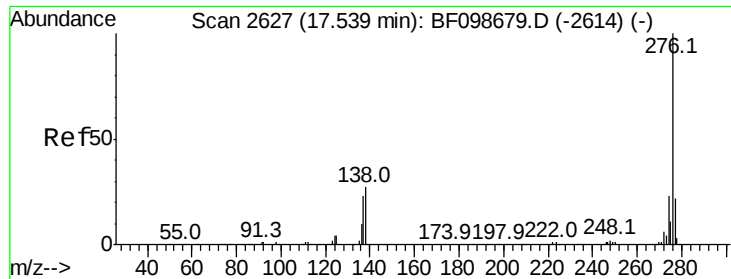
10/4/2017 7:21:27 PM



#89
Benzo(a)pyrene
Concen: 4.417 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.07 min
Lab File: BF099051.D
Acq: 4 Oct 2017 00:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	16.5	9.8	14.6#





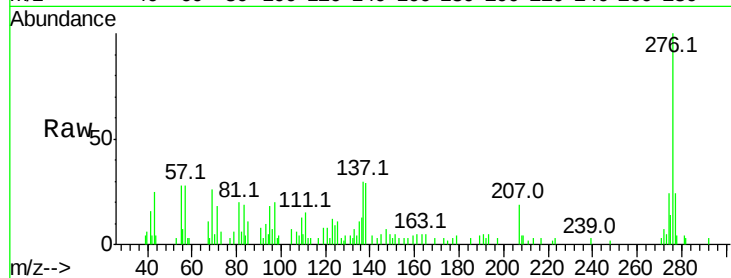
#91
 Benzo(a,h,i)perylene
 Concen: 2.177 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.11 min
 Lab File: BF099051.D
 Acq: 4 Oct 2017 00:57

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	29.3	21.8	32.8

Manual Integrations
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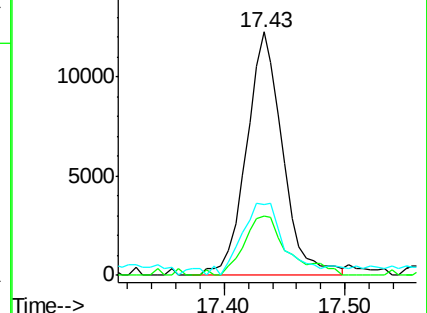
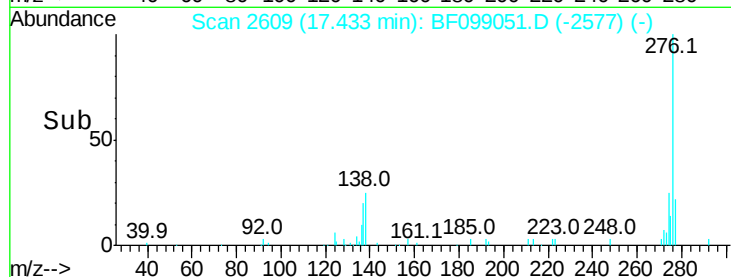


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



10/4/2017 7:21:27 PM