

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094349.D
 Acq On : 11 Apr 2017 10:07
 Operator : SJ/MA
 Sample : I2601-18
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-59-S1(0-2)

Manual Integrations
 APPROVED

mohammad
 4/11/2017 12:53:49 PM

Quant Time: Apr 11 11:35:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.84	152	158331	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	602094	20.00	ng	-0.02
38) Acenaphthene-d10	9.48	164	244666	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	381403	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	290985	20.00	ng	-0.02
86) Perylene-d12	16.18	264	232226	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1007383	107.46	ng	0.01
7) Phenol-d6	5.47	99	1286988	110.98	ng	0.01
23) Nitrobenzene-d5	6.49	82	781756	74.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	215488	111.46	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	1280524	79.83	ng	-0.02
78) Terphenyl-d14	13.28	244	809008	62.32	ng	-0.02
Target Compounds						
10) Phenol	5.49	94	73970	5.61	ng	89
49) Dimethylphthalate	9.16	163	96817	5.57	ng	98
70) Phenanthrene	11.33	178	98832	4.66	ng	96
74) Fluoranthene	12.79	202	180370	8.30	ng	99
77) Pyrene	13.07	202	154210	7.30	ng	98
80) Benzo(a)anthracene	14.54	228	79988	4.71	ng	98
82) Chrysene	14.58	228	73676	4.68	ng	96
87) Benzo(b)fluoranthene	15.77	252	75531m	5.31	ng	
88) Benzo(k)fluoranthene	15.80	252	29030m	2.08	ng	
89) Benzo(a)pyrene	16.12	252	52171	3.98	ng	96
91) Benzo(g,h,i)perylene	17.88	276	25560	2.28	ng	# 91

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

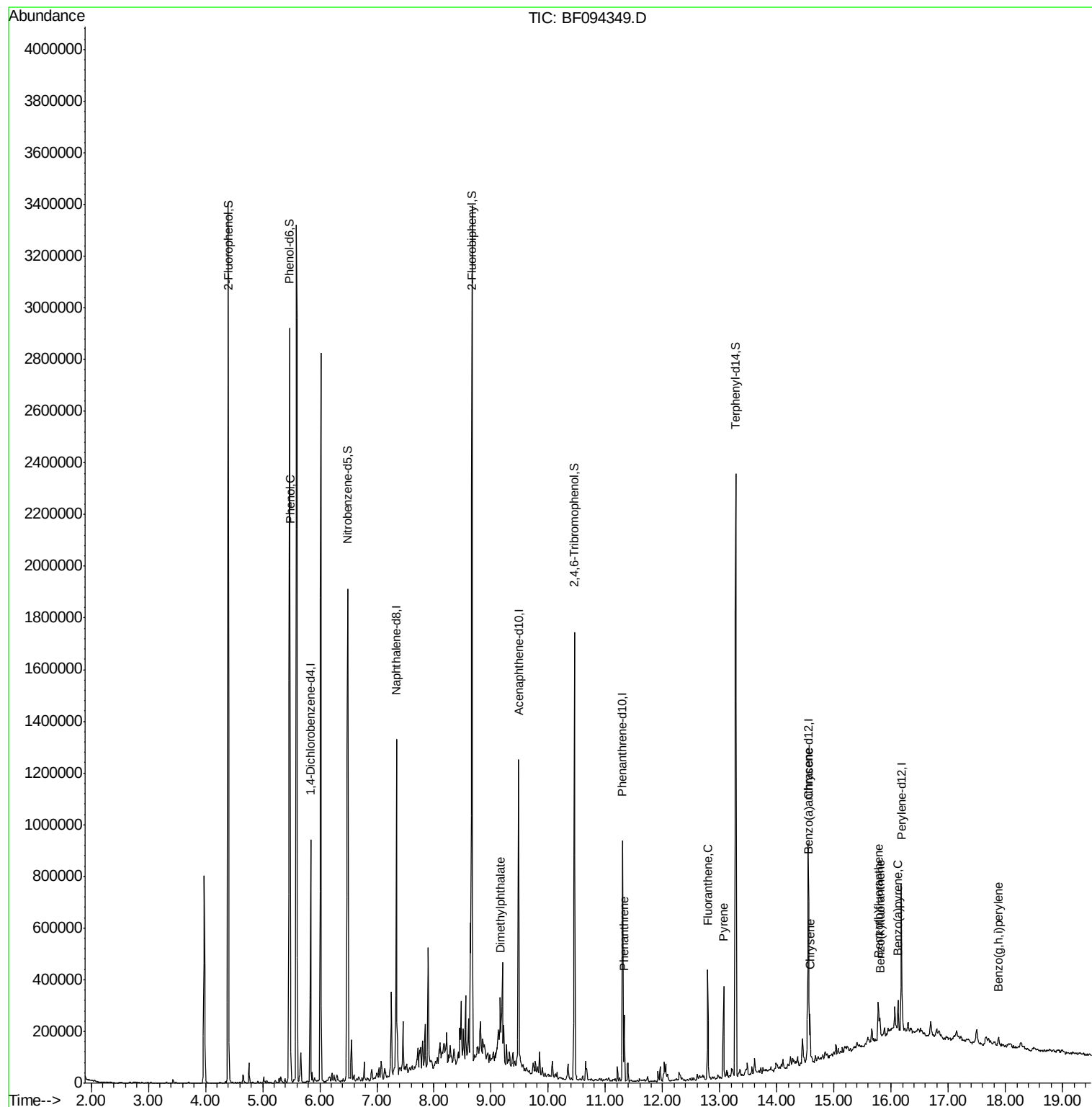
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
Data File : BF094349.D
Acq On : 11 Apr 2017 10:07
Operator : SJ/MA
Sample : I2601-18
Misc :
ALS Vial : 46 Sample Multiplier: 1

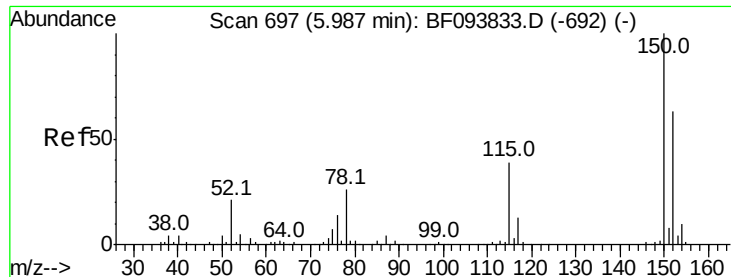
Instrument :
BNA_F
ClientSampleId :
B-59-S1(0-2)

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#1

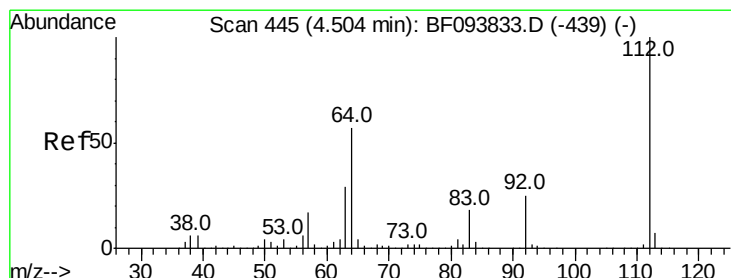
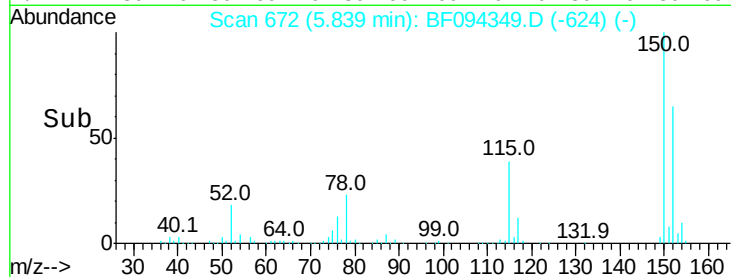
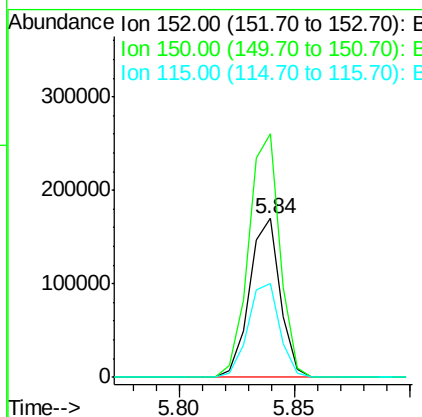
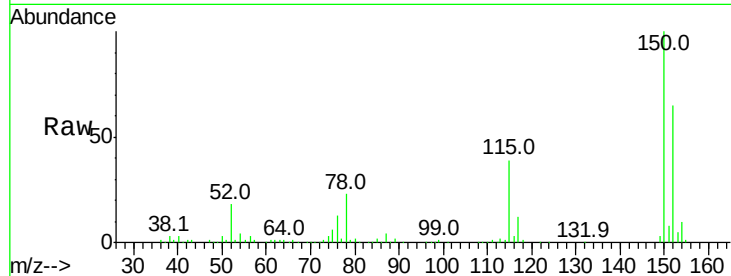
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.84 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :
B-59-S1(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	126.2	189.2
115	59.2	52.2	78.2

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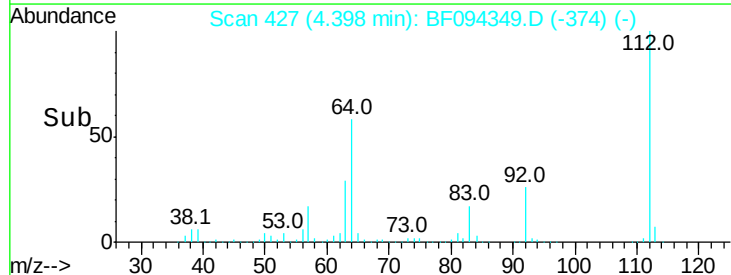
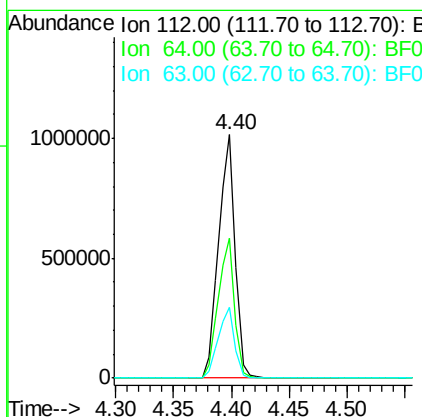
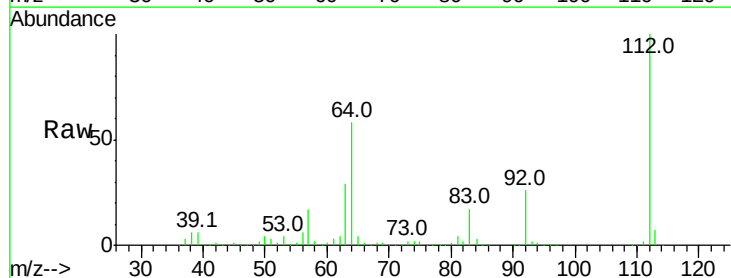
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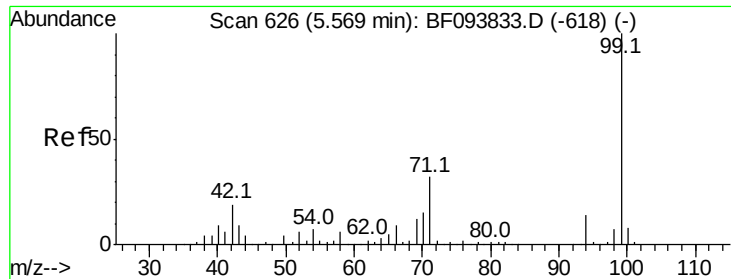


#5

2-Fluorophenol
Concen: 107.46 ng
RT: 4.40 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.0	69.0
63	29.0	23.4	35.0





#7

Phenol-d6

Concen: 110.98 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

ClientSampleId :

B-59-S1(0-2)

Tot Ion: 99 Resp: 1286988

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

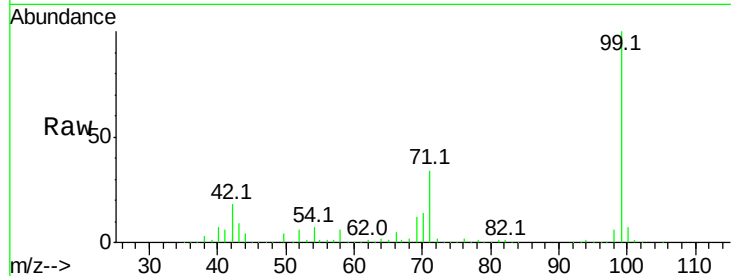
71 34.1 24.5 36.7

Manual Integrations

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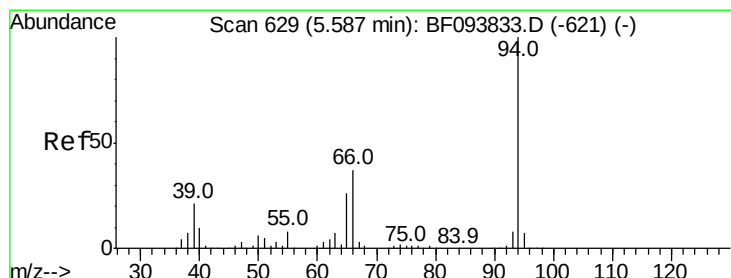
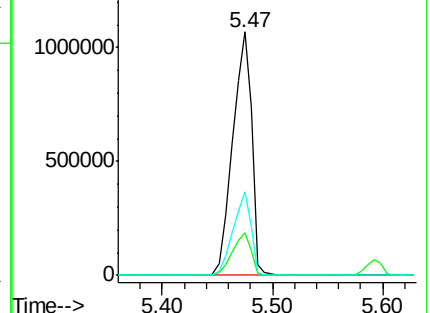
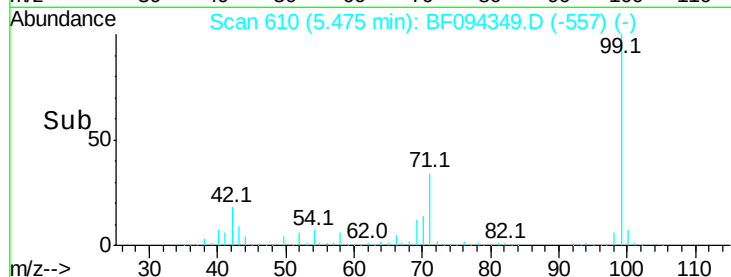
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.61 ng

RT: 5.49 min Scan# 612

Delta R.T. 0.01 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

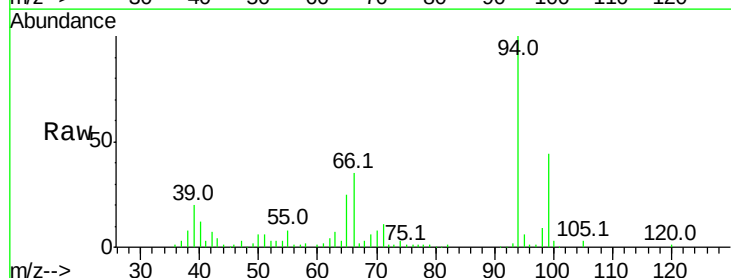
Tgt Ion: 94 Resp: 73970

Ion Ratio Lower Upper

94 100

65 25.1 9.9 49.9

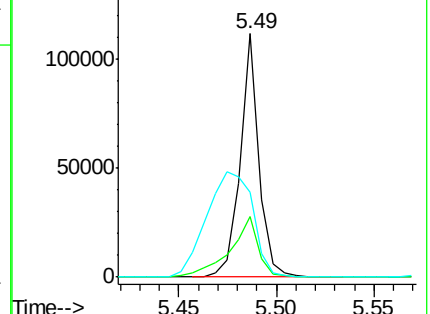
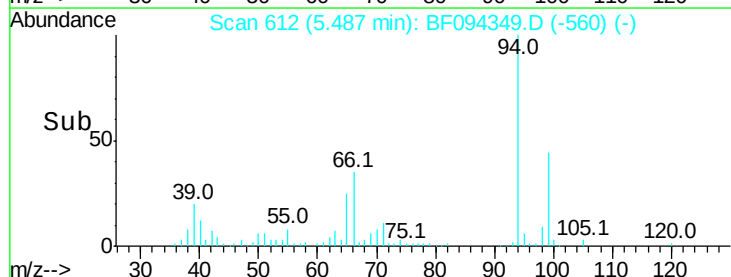
66 34.8 23.1 63.1

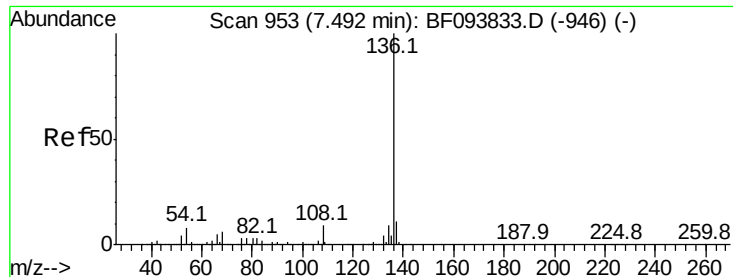


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





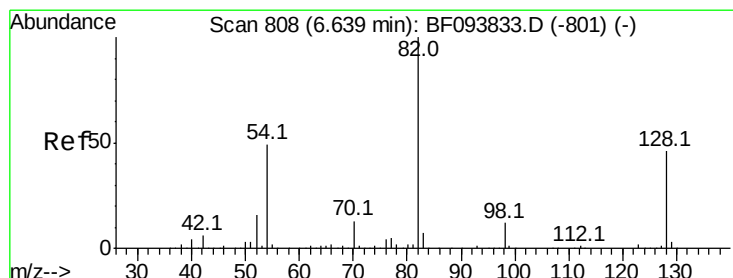
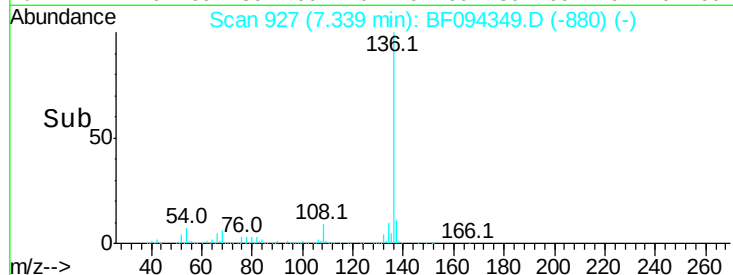
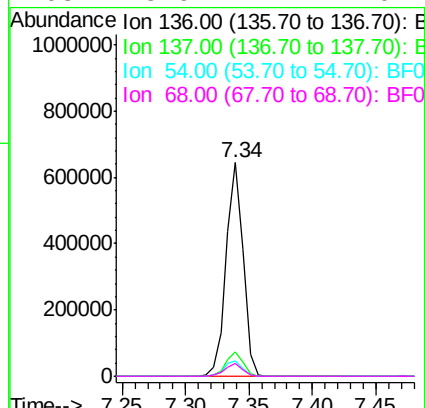
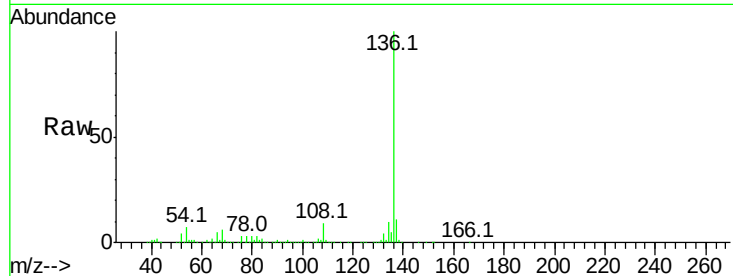
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.34 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :
B-59-S1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.5	12.7	
54	7.4	4.9	7.3#	
68	5.9	4.1	6.1	

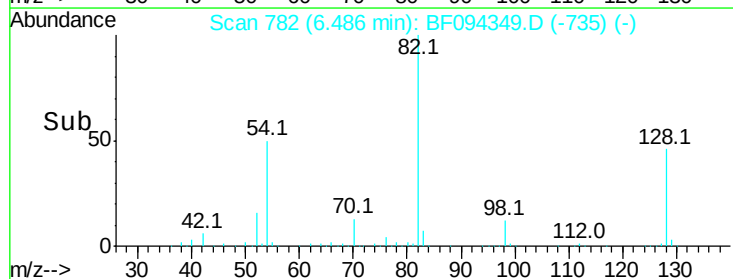
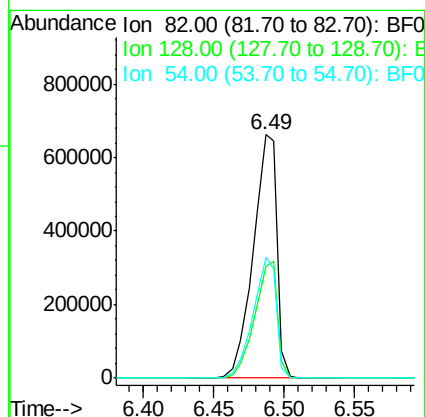
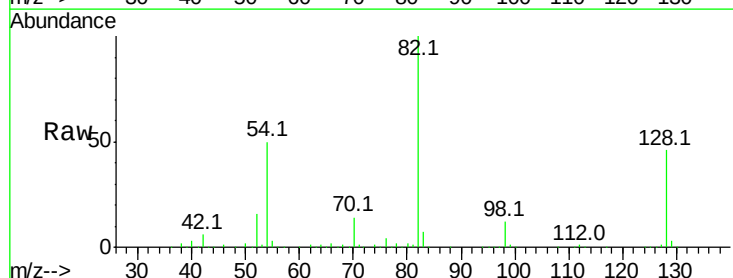
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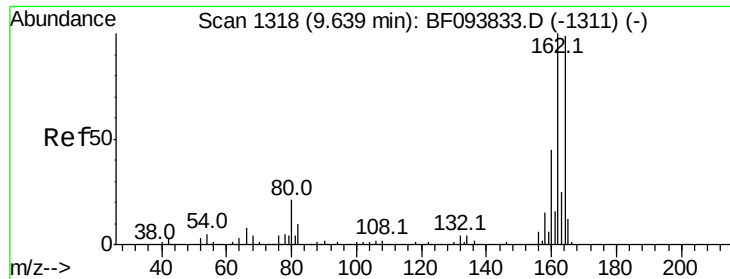
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#23
Nitrobenzene-d5
Concen: 74.10 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	34.0	51.0	
54	49.5	42.2	63.2	





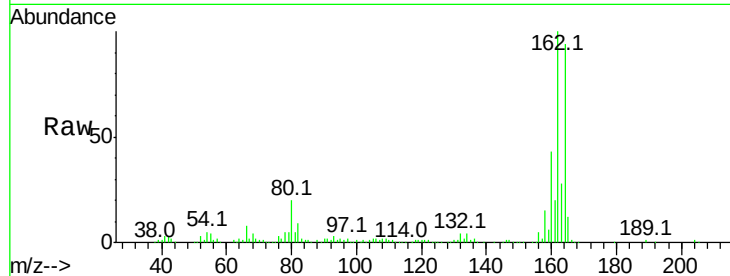
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

Instrument :
 BNA_F
 ClientSampleId :
 B-59-S1(0-2)

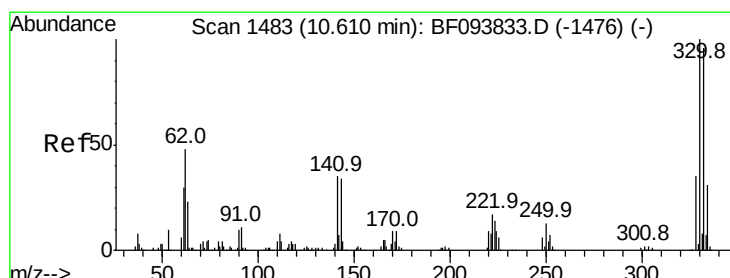
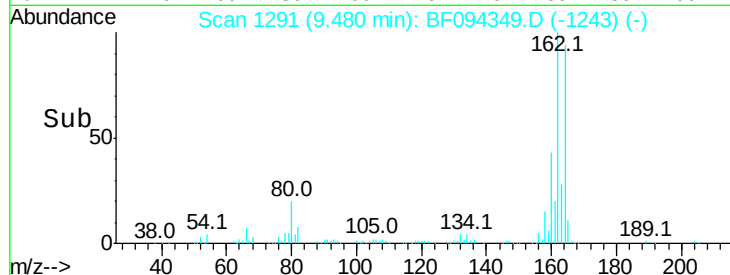
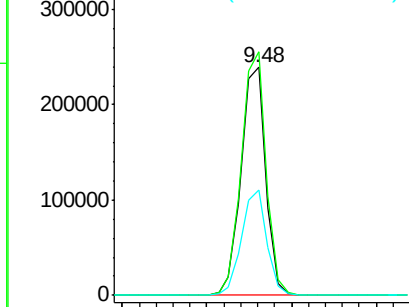
Tot Ion	Ratio	Resp	Lower	Upper
164	100	244666		
162	106.7	82.6	123.8	
160	46.0	36.2	54.2	

Manual Integrations
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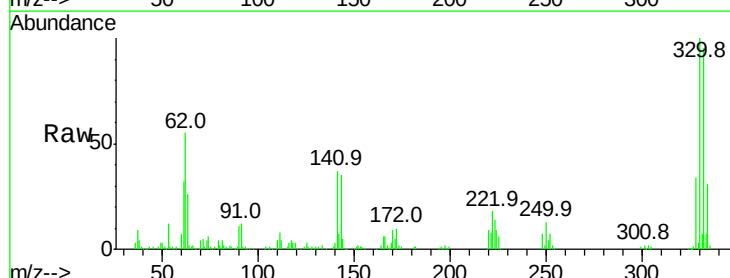


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

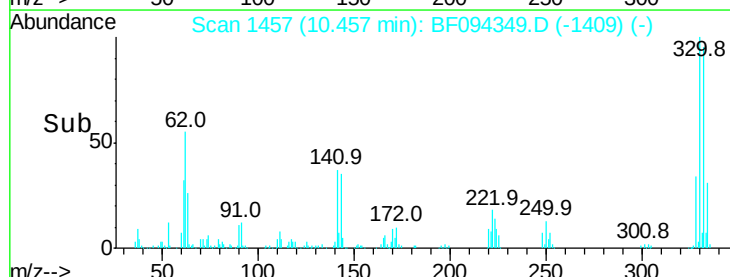
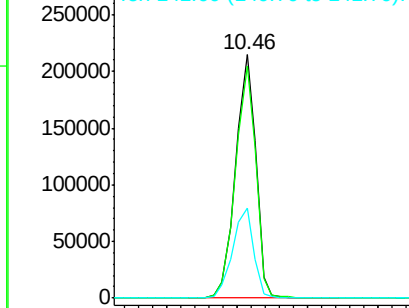


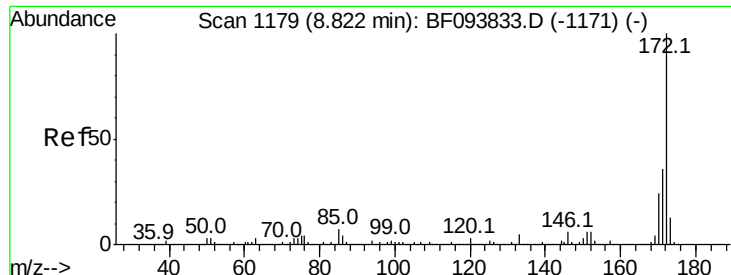
#41
 2,4,6-Tribromophenol
 Concen: 111.46 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	215488		
332	96.1	76.6	115.0	
141	38.5	31.4	47.2	



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





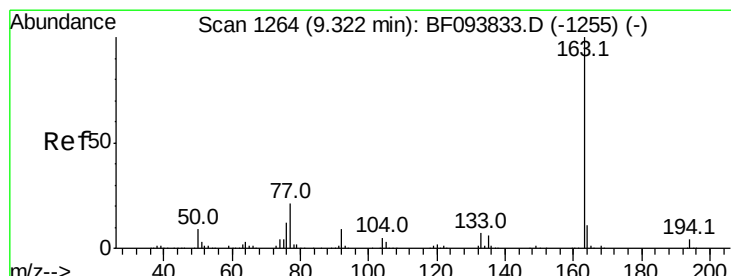
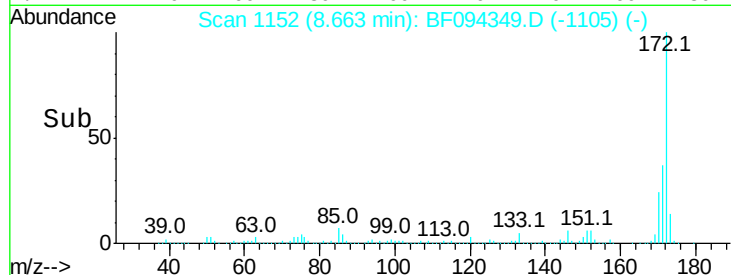
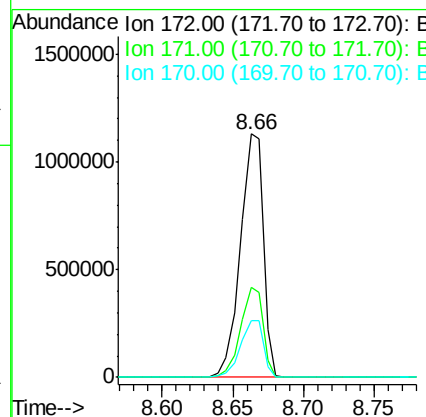
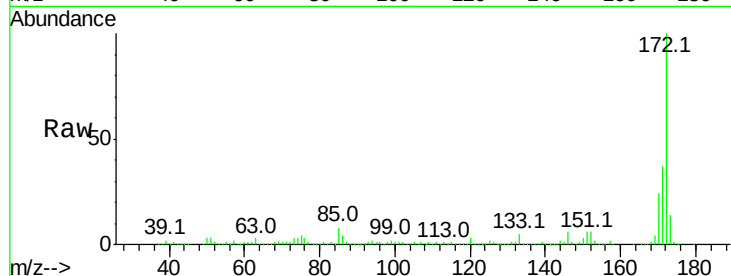
#44
2-Fluorobiphenyl
Concen: 79.83 ng
RT: 8.66 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :
B-59-S1(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	23.6	19.8	29.8

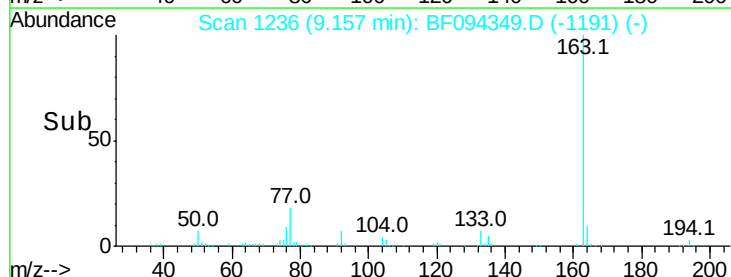
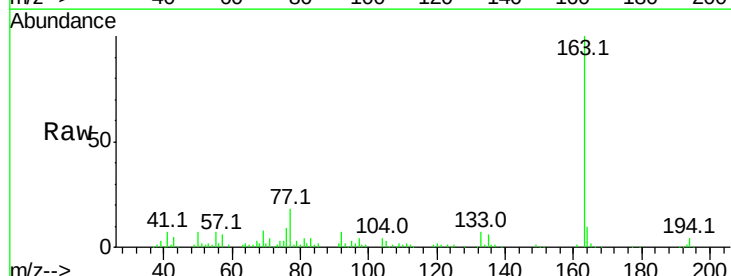
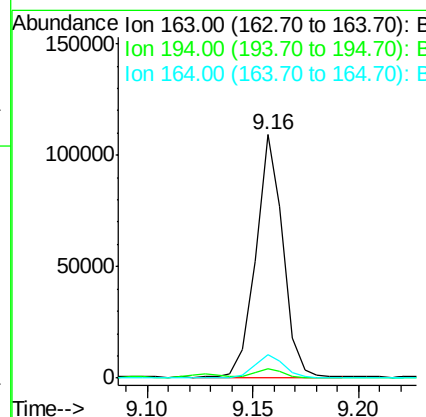
Manual Integrations
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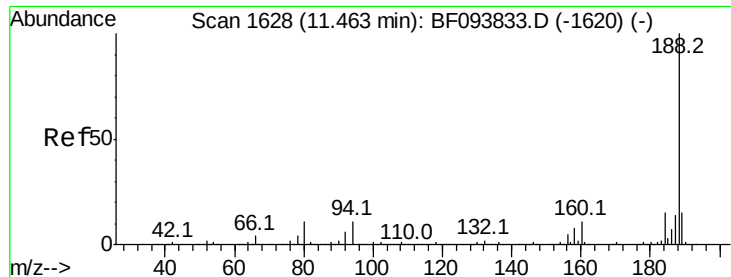
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#49
Dimethylphthalate
Concen: 5.57 ng
RT: 9.16 min Scan# 1236
Delta R.T. -0.04 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.7	8.4	12.6





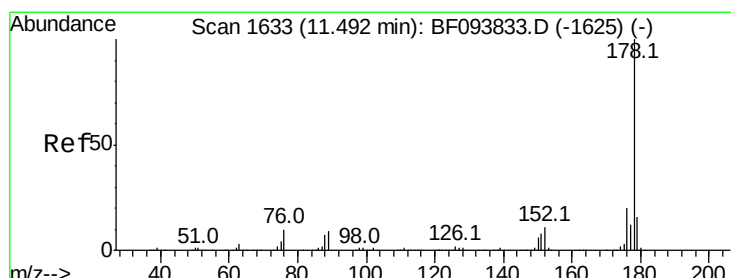
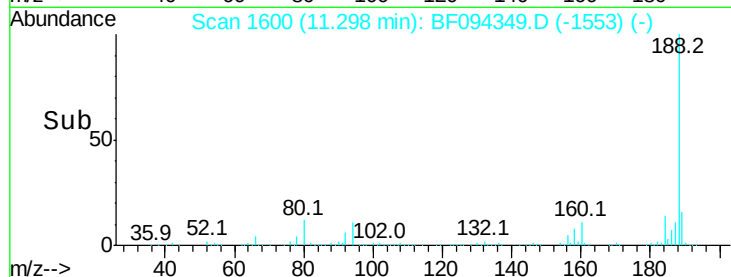
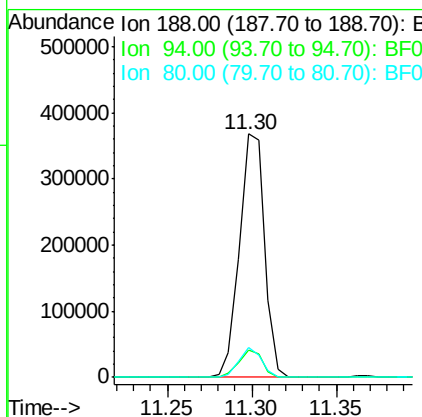
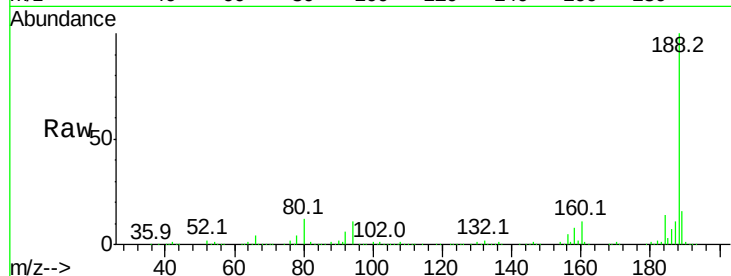
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :
B-59-S1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.3		9.4	14.2
80	12.0		10.2	15.2

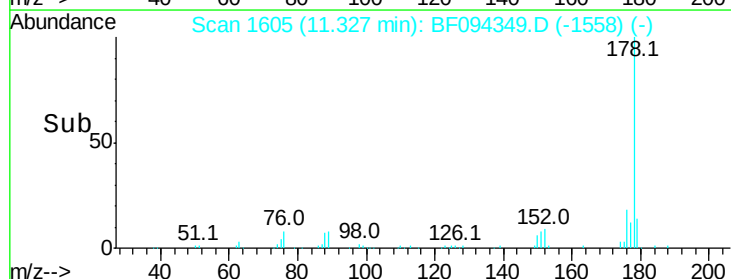
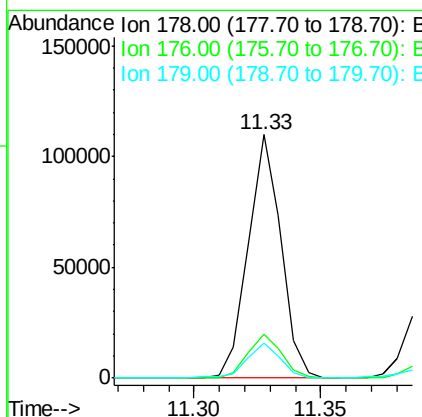
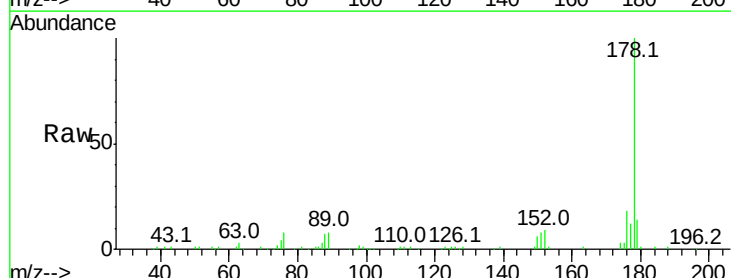
Manual Integrations
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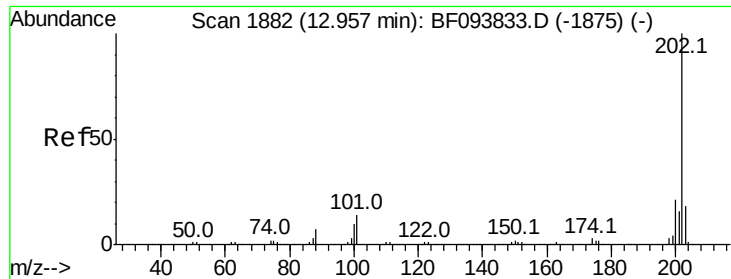
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#70
Phenanthrene
Concen: 4.66 ng
RT: 11.33 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.2		16.2	24.4
179	14.3		12.6	19.0





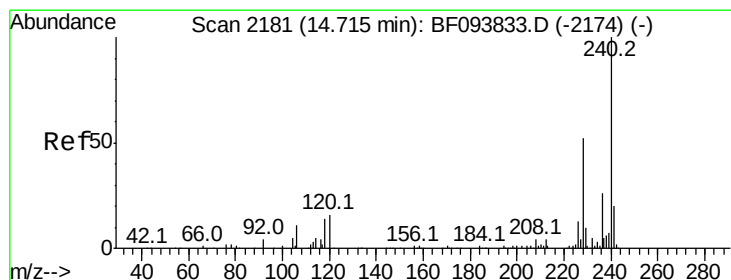
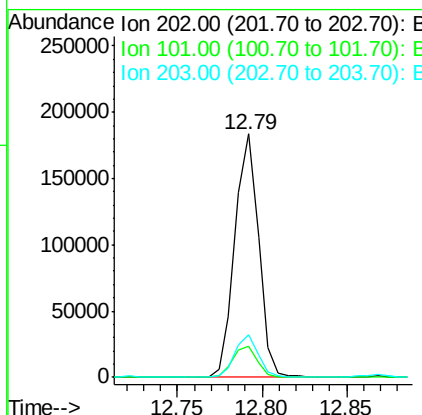
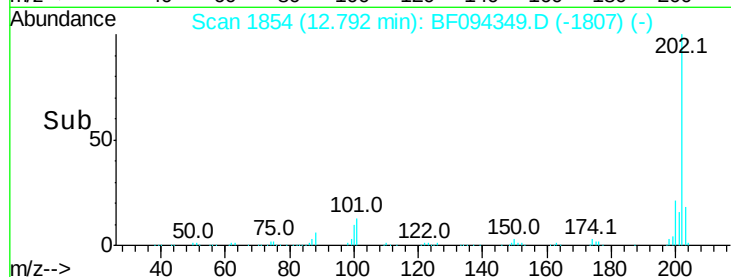
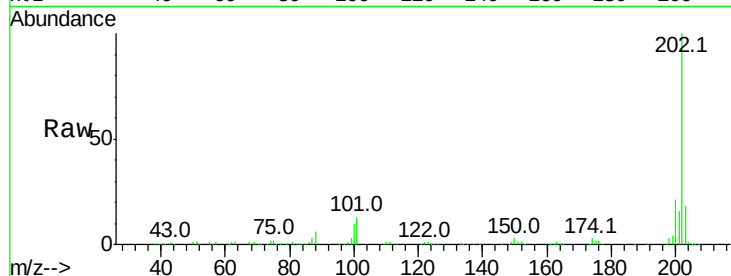
#74
Fluoranthene
Concen: 8.30 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :
B-59-S1(0-2)

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.8	0.0	33.2
203	17.6	0.0	38.1

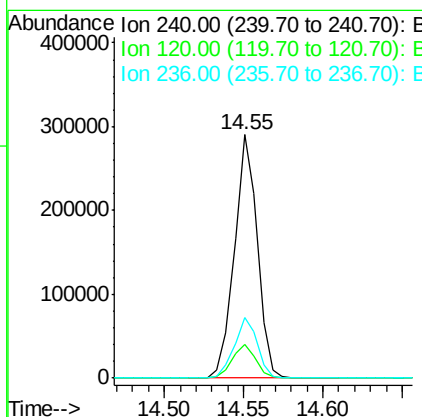
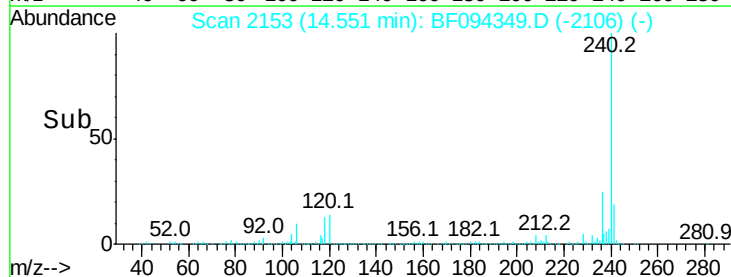
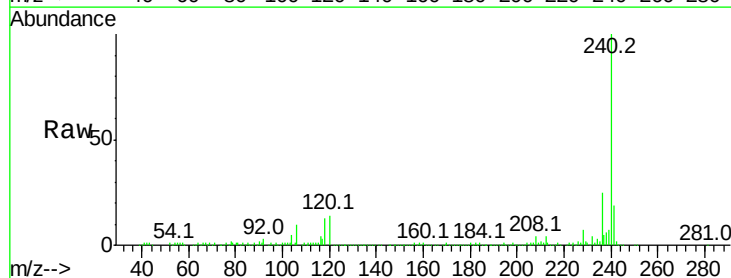
Manual Integrations
APPROVED

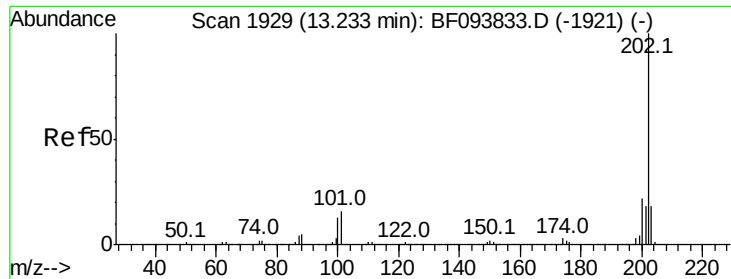
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.7	5.8	8.8#
236	25.0	20.5	30.7





#77

Pvrene

Concen: 7.30 ng

RT: 13.07 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

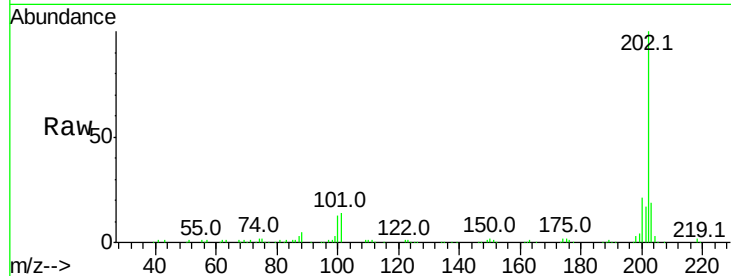
ClientSampleId :

B-59-S1(0-2)

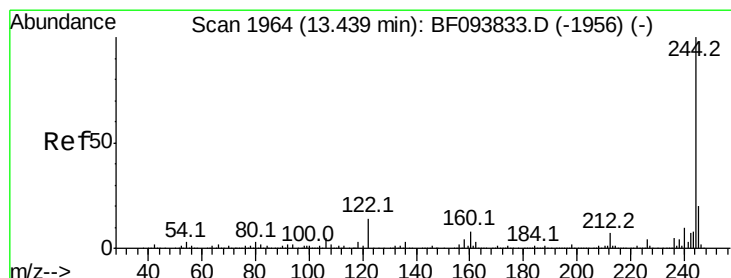
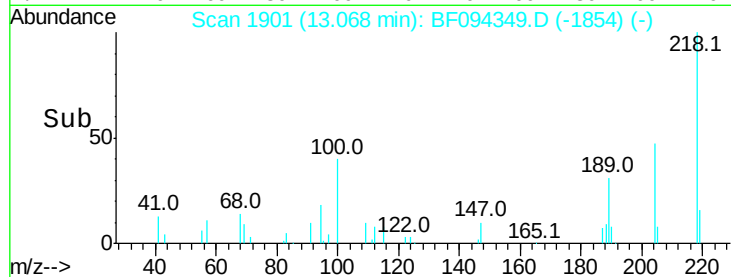
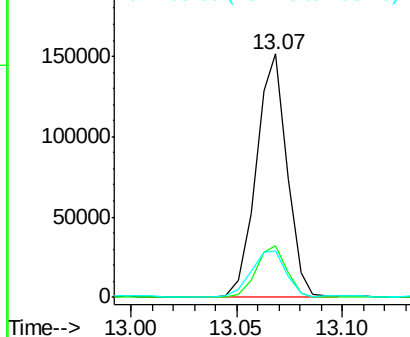
Tot Ion:	202	Resp:	154210
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.9	14.4	21.6

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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: 62.32 ng

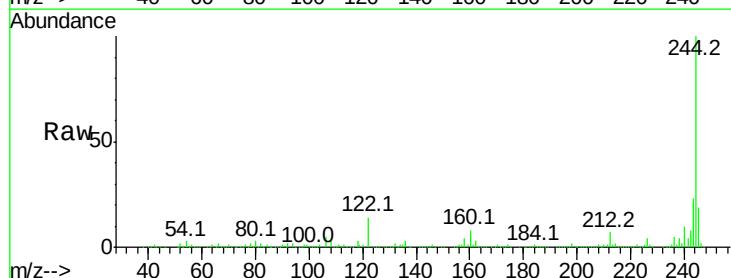
RT: 13.28 min Scan# 1937

Delta R.T. -0.02 min

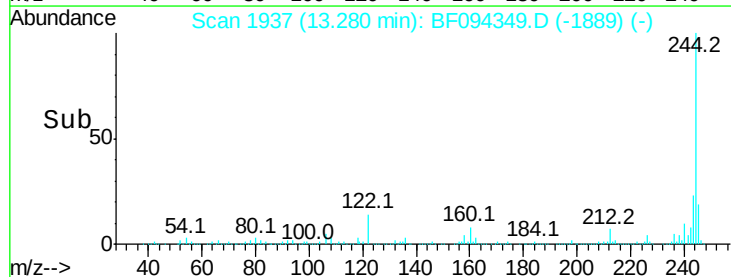
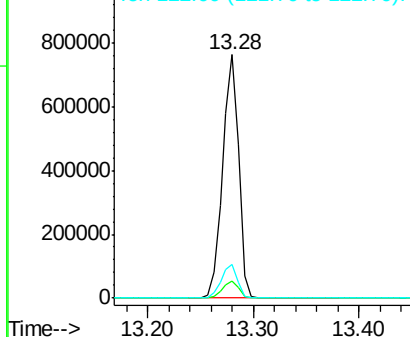
Lab File: BF094349.D

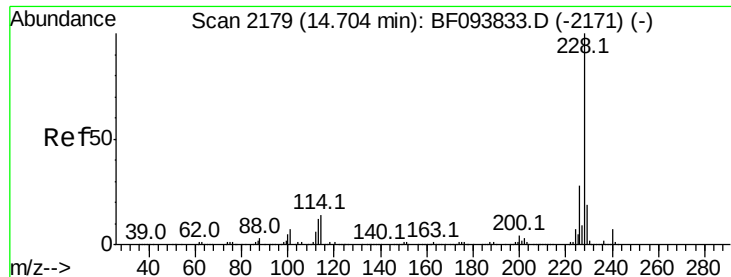
Acq: 11 Apr 2017 10:07

Tgt Ion:	244	Resp:	809008
Ion Ratio		Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.8	10.3	15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





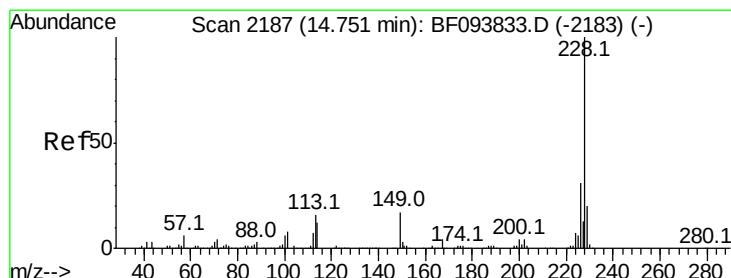
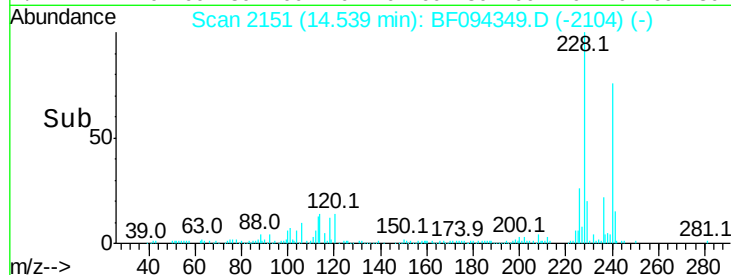
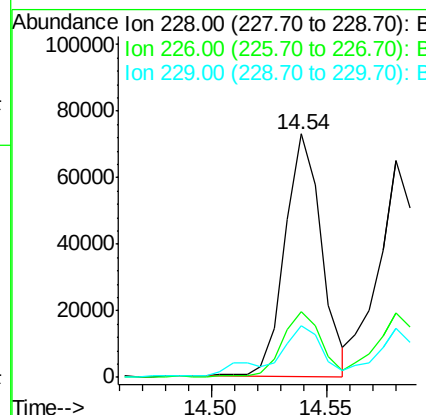
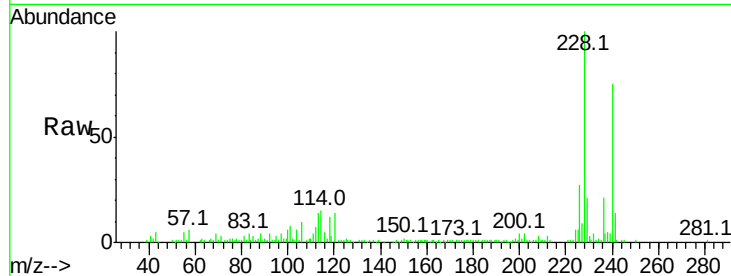
#80
Benzo(a)anthracene
Concen: 4.71 ng
RT: 14.54 min Scan# 2151
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :
B-59-S1(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	21.3	16.3	24.5

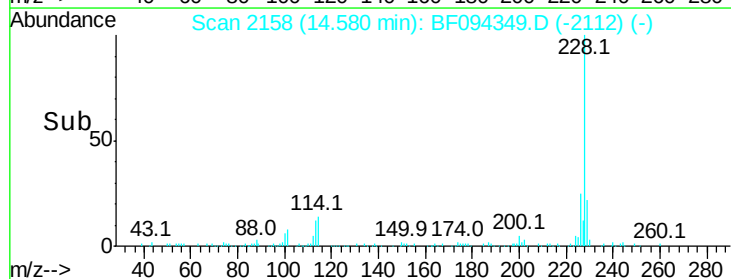
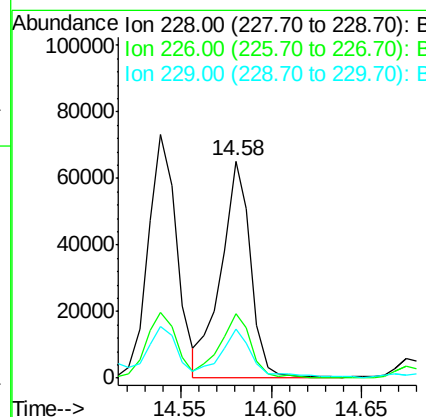
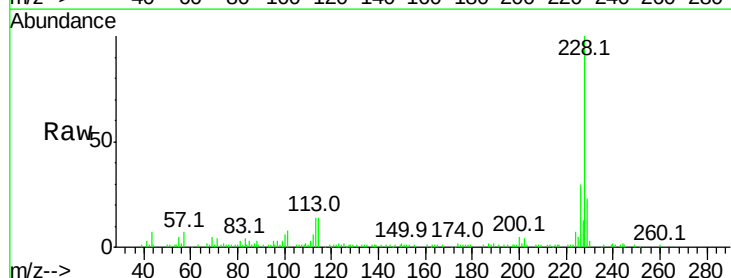
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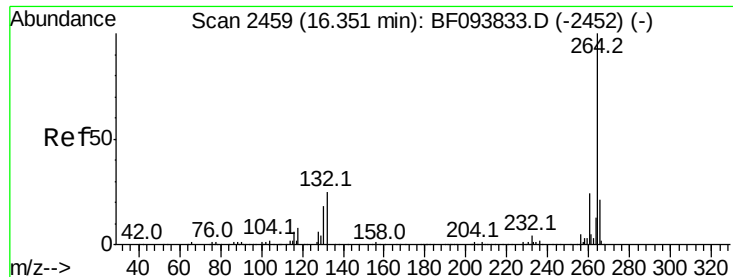
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#82
Chrysene
Concen: 4.68 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.03 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	22.8	15.8	23.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

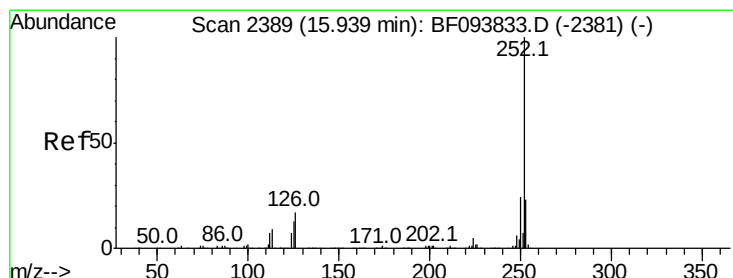
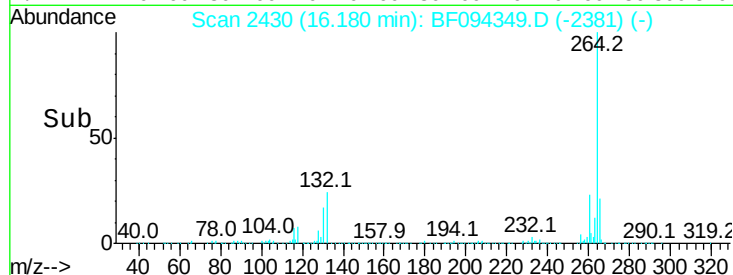
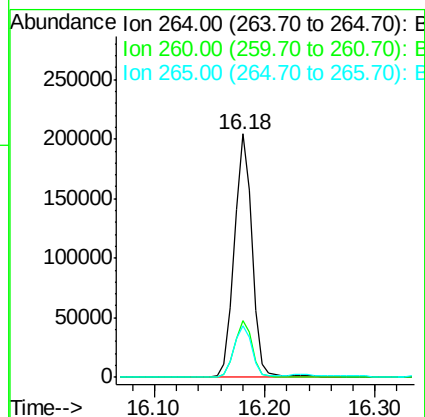
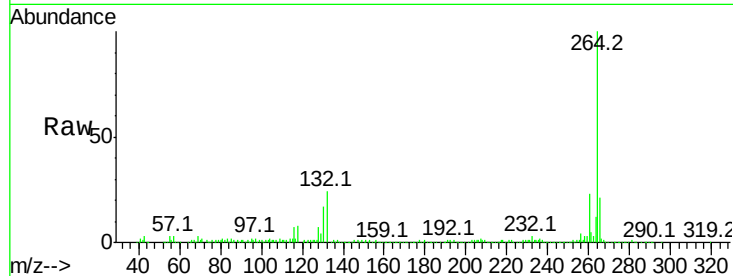
ClientSampleId :

B-59-S1(0-2)

Tot Ion:	264	Resp:	232226
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.5	29.3
265	21.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 5.31 ng m

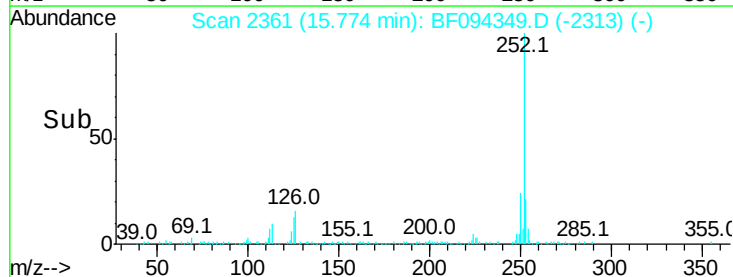
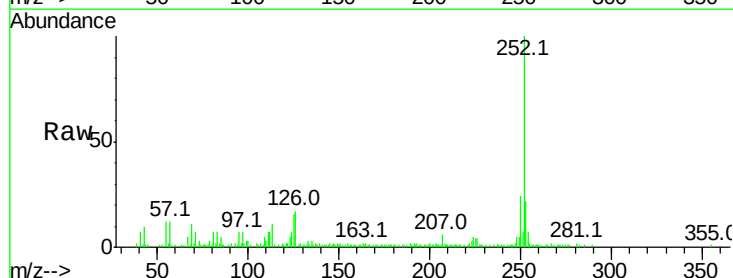
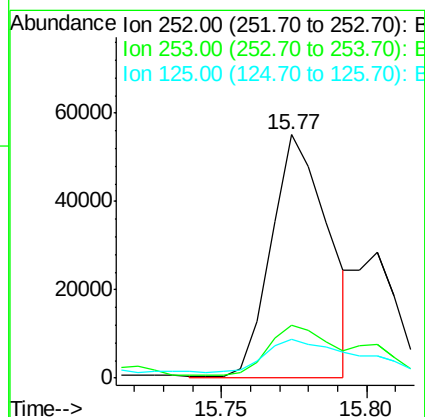
RT: 15.77 min Scan# 2361

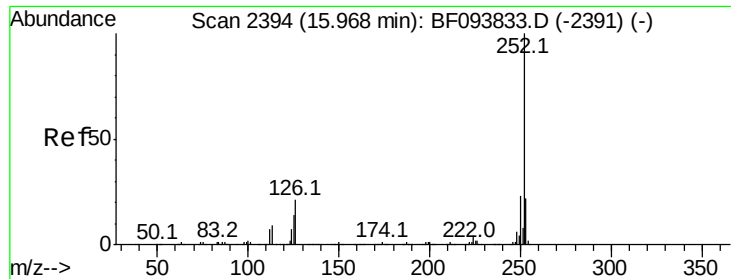
Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Tgt Ion:	252	Resp:	75531
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.1	27.1
125	16.0	9.8	14.8#





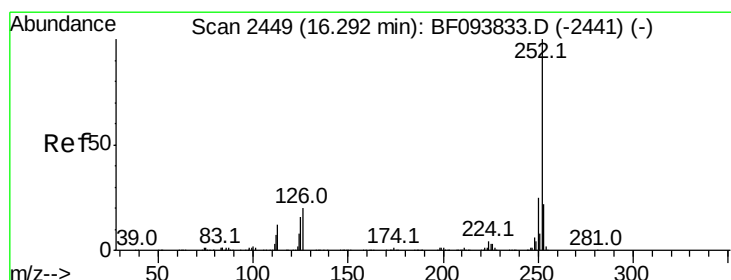
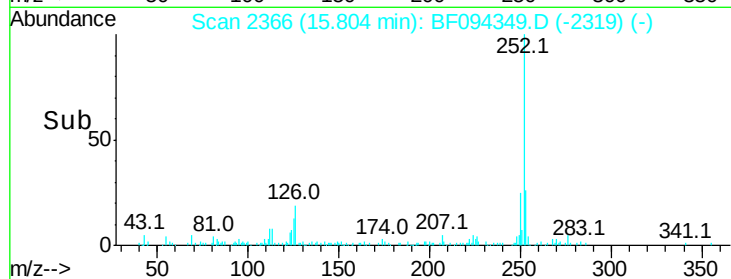
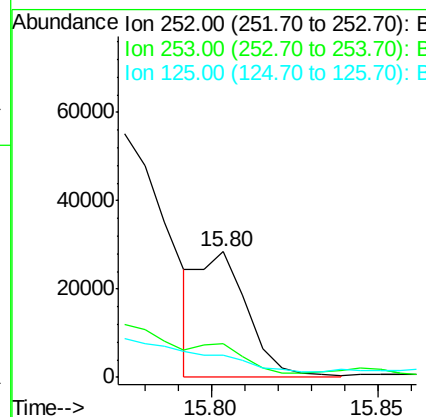
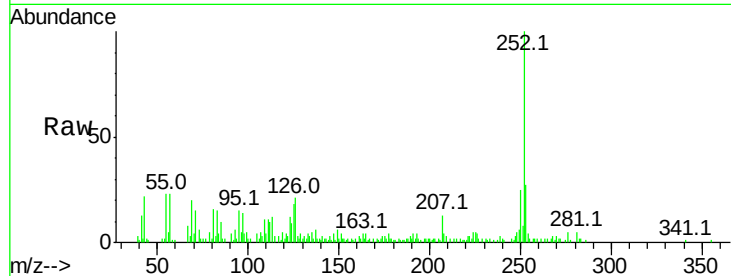
#88
Benzo(k)fluoranthene
Concen: 2.08 ng m
RT: 15.80 min Scan# 2366
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :
B-59-S1(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.4	27.6
125	17.8	13.1	19.7

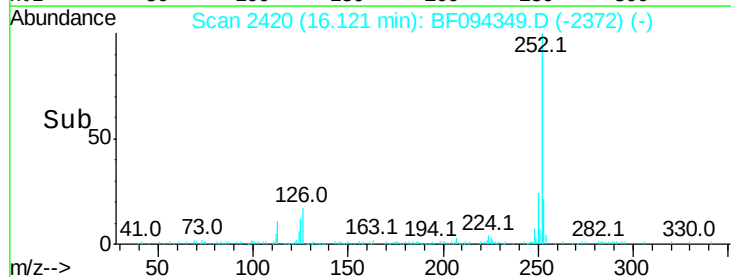
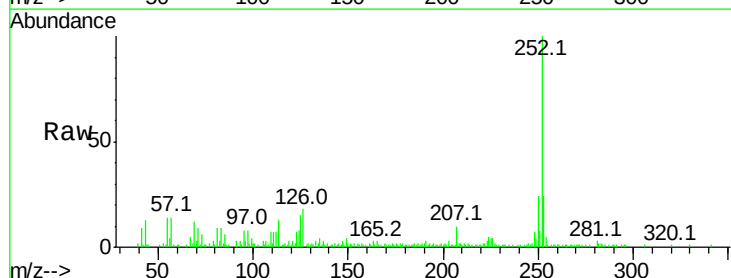
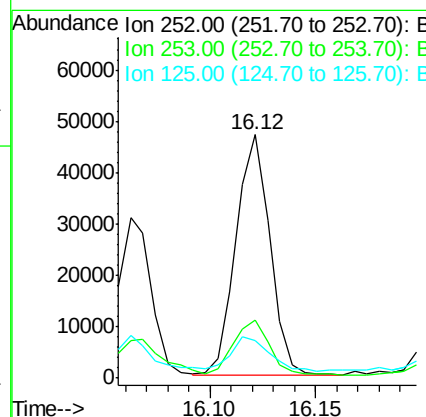
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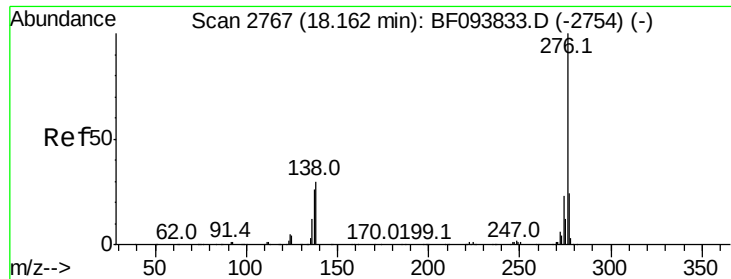
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#89
Benzo(a)pyrene
Concen: 3.98 ng
RT: 16.12 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.3	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.28 ng
 RT: 17.88 min Scan# 2719
 Delta R.T. -0.03 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

Instrument :
 BNA_F
 ClientSampleId :
 B-59-S1(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.7	18.6	28.0#
138	35.6	25.4	38.0

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