

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094129.D
 Acq On : 3 Apr 2017 19:05
 Operator : SJ/MA
 Sample : I2501-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
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mohammad
 4/4/2017 5:34:28 PM

Quant Time: Apr 04 01:51:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	199920	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	788071	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	343761	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	555801	20.00	ng	-0.02
75) Chrysene-d12	14.61	240	353544	20.00	ng	-0.02
86) Perylene-d12	16.24	264	336875	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	1102334	93.13	ng	0.00
7) Phenol-d6	5.50	99	1389153	94.87	ng	-0.01
23) Nitrobenzene-d5	6.53	82	871183	63.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	267272	98.39	ng	-0.02
44) 2-Fluorobiphenyl	8.72	172	1434525	63.65	ng	-0.02
78) Terphenyl-d14	13.33	244	929962	58.96	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.35	152	116143	3.22	ng	98
49) Dimethylphthalate	9.21	163	151436	6.20	ng	99
70) Phenanthrene	11.39	178	596903	19.31	ng	98
71) Anthracene	11.45	178	149571	4.70	ng	97
74) Fluoranthene	12.85	202	705069	22.27	ng	99
77) Pyrene	13.13	202	717772	27.97	ng	99
80) Benzo(a)anthracene	14.60	228	286581	13.90	ng	96
82) Chrysene	14.64	228	263513	13.77	ng	97
85) Indeno(1,2,3-cd)pyrene	17.58	276	213696	12.90	ng	94
87) Benzo(b)fluoranthene	15.83	252	319517m	15.47	ng	
88) Benzo(k)fluoranthene	15.86	252	81058m	4.01	ng	
89) Benzo(a)pyrene	16.18	252	229501	12.07	ng	99
90) Dibenzo(a,h)anthracene	17.59	278	48003m	2.98	ng	
91) Benzo(a,h,i)perylene	17.98	276	299134	18.43	ng	96

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

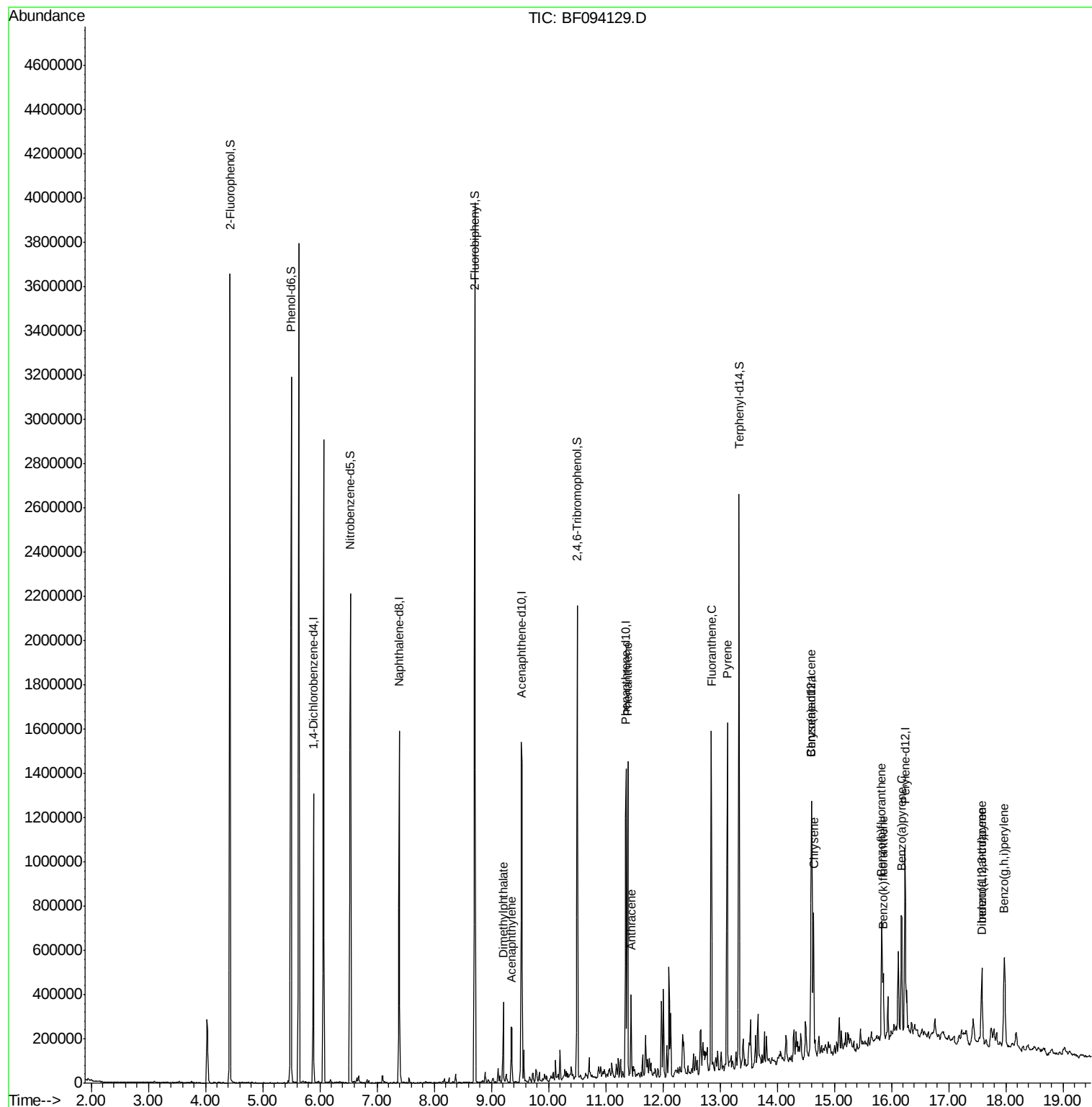
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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ALS Vial : 13 Sample Multiplier: 1

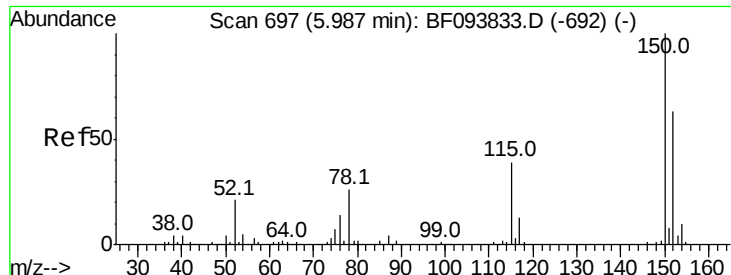
Instrument :
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#1

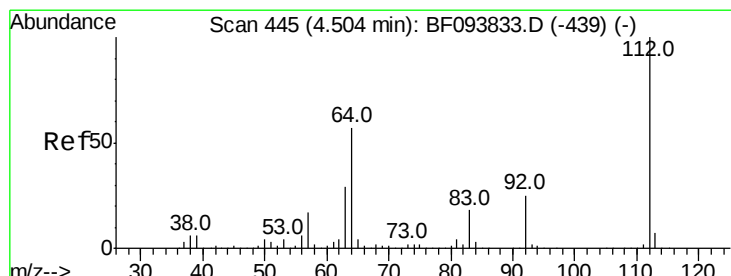
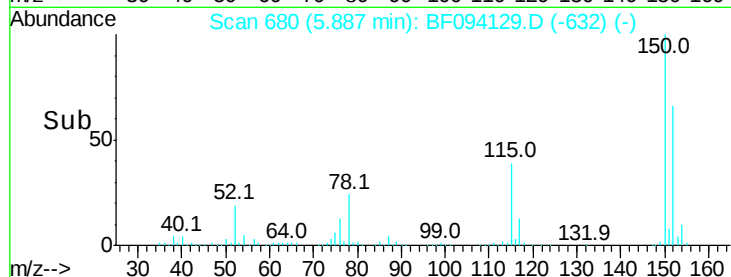
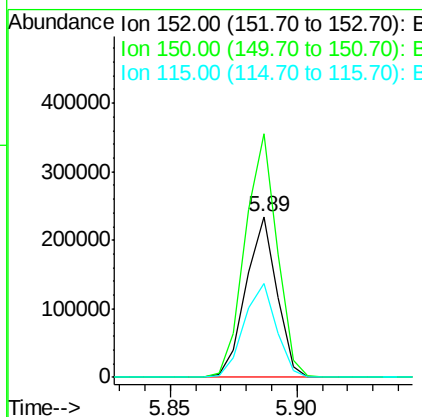
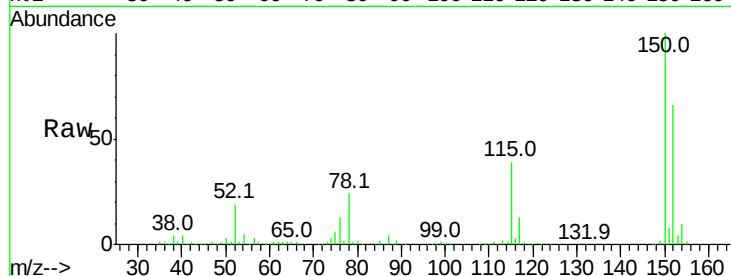
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	126.2	189.2
115	58.7	52.2	78.2

Manual Integrations
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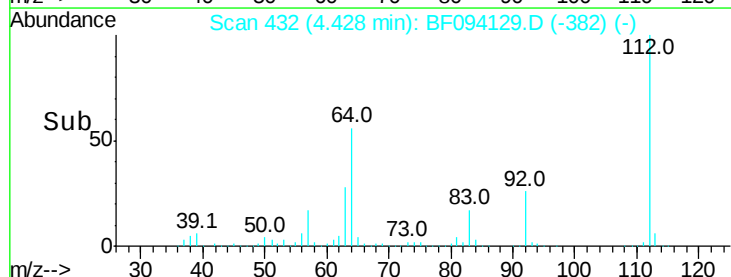
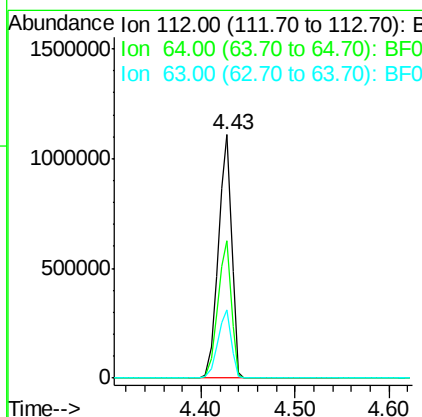
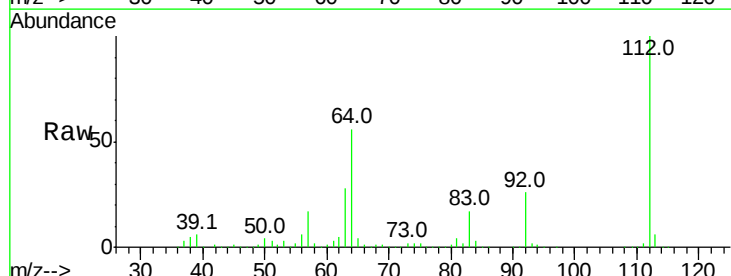
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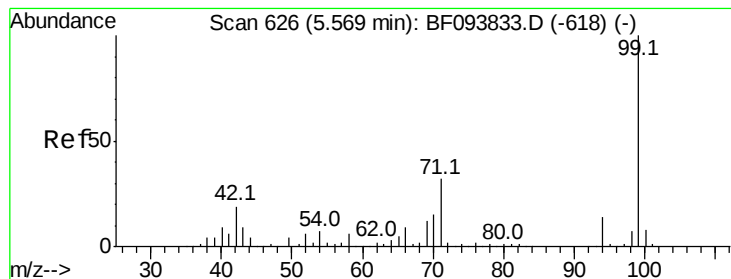


#5

2-Fluorophenol
Concen: 93.13 ng
RT: 4.43 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.0	69.0
63	27.8	23.4	35.0





#7

Phenol-d6

Concen: 94.87 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

ClientSampled :

TP-5

Tot Ion: 99 Resp: 1389153

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

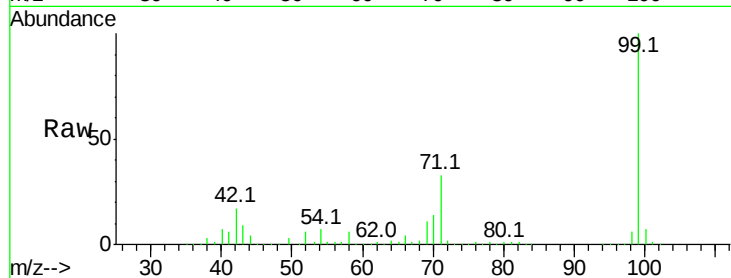
71 32.5 24.5 36.7

Manual Integrations

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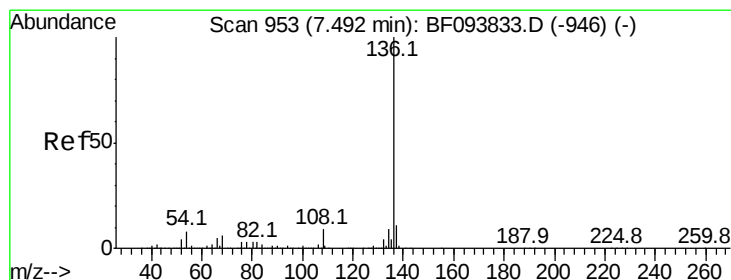
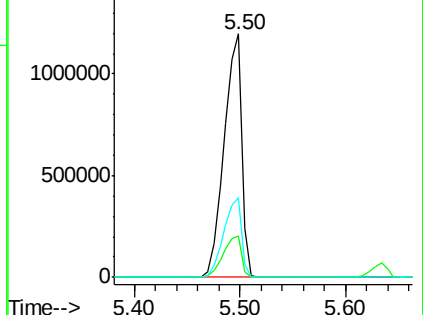
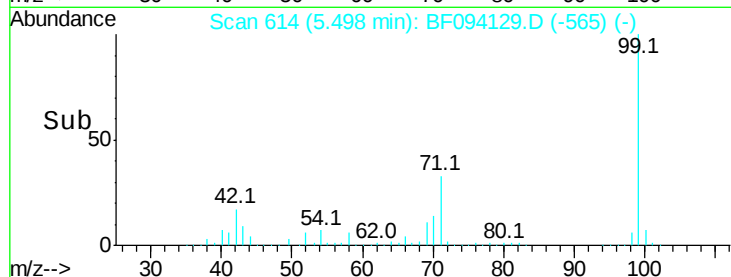
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Tgt Ion: 136 Resp: 788071

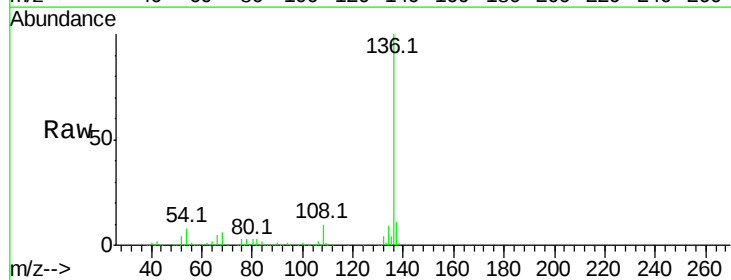
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.9 4.9 7.3#

68 6.3 4.1 6.1#

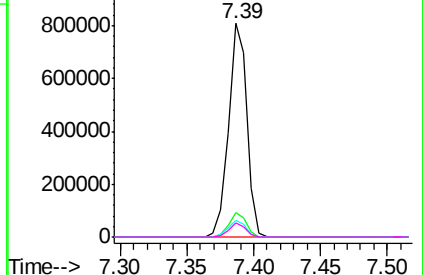
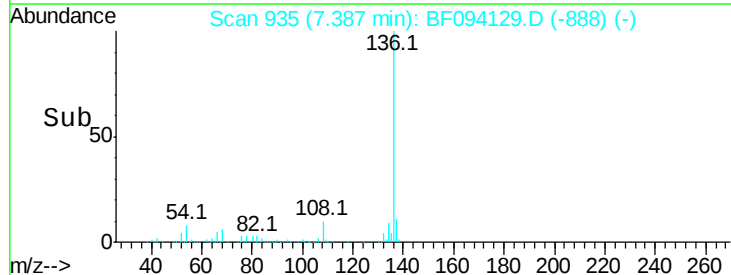


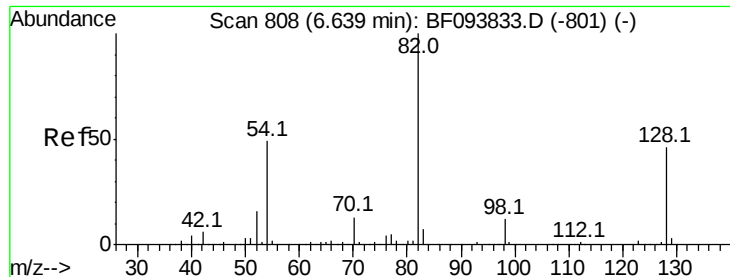
Abundance Ion 136.00 (135.70 to 136.70): E

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





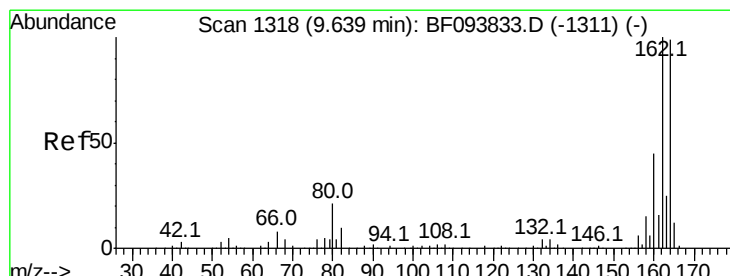
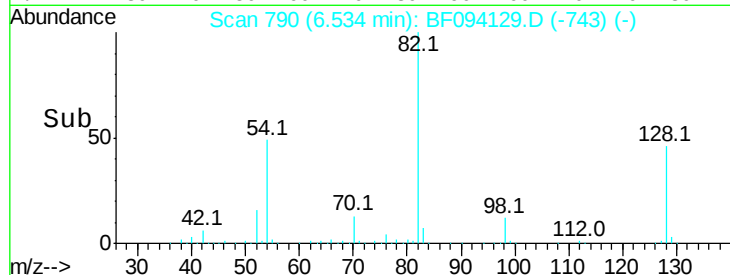
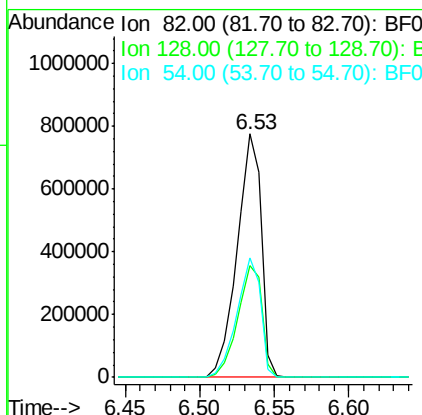
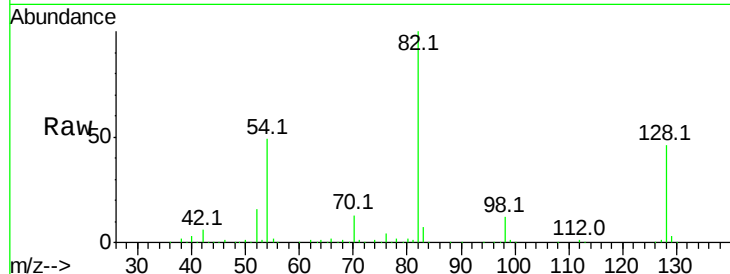
#23
Nitrobenzene-d5
Concen: 63.09 ng
RT: 6.53 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.0	51.0
54	49.1	42.2	63.2

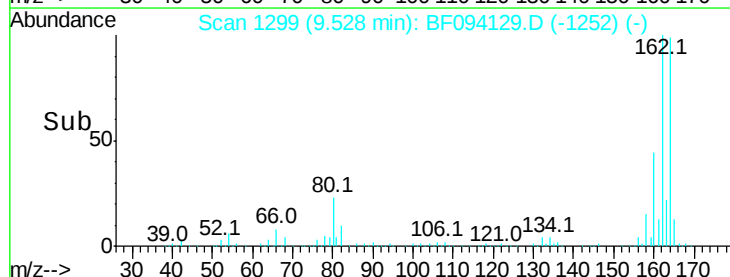
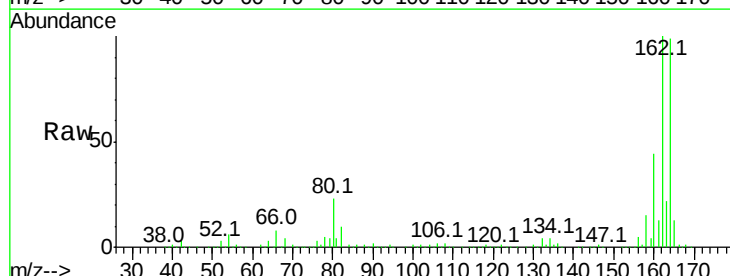
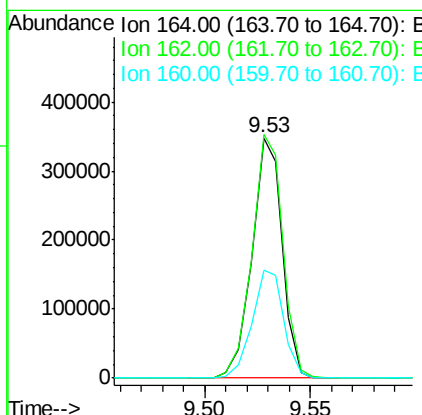
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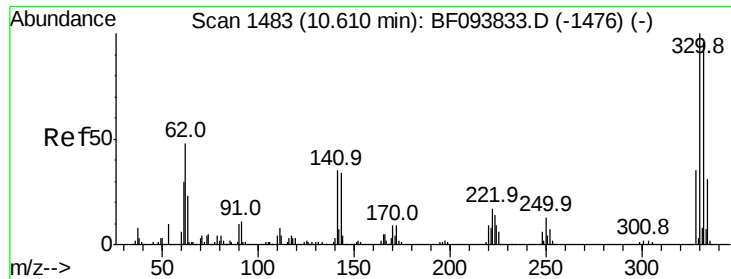
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	44.8	36.2	54.2





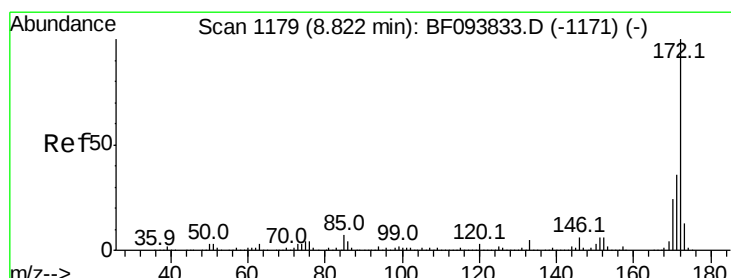
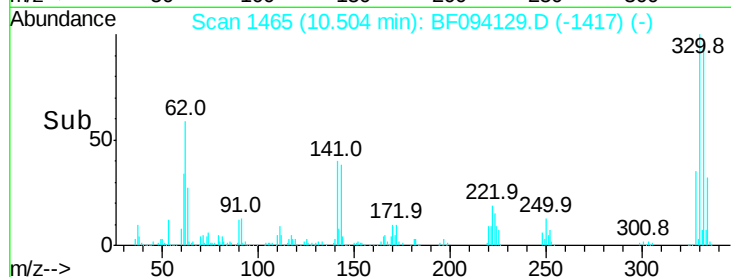
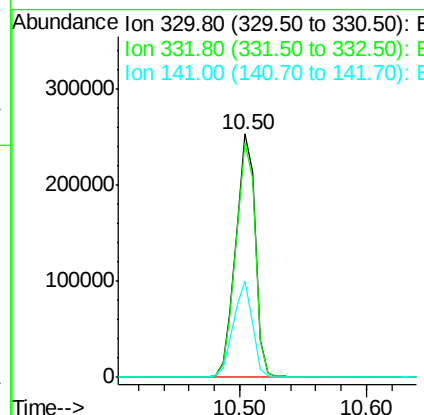
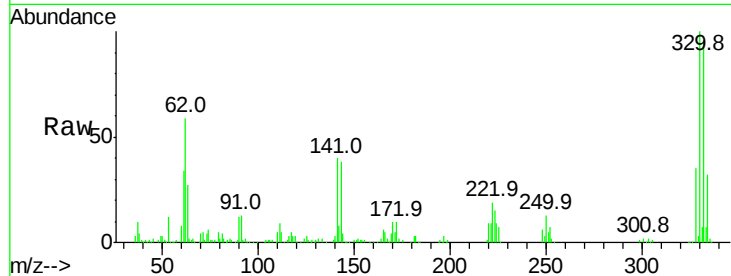
#41
 2,4,6-Tribromophenol
 Concen: 98.39 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094129.D
 Acq: 3 Apr 2017 19:05

Instrument :
 BNA_F
 ClientSampled :
 TP-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	267272		
332	96.7	76.6	115.0	
141	39.1	31.4	47.2	

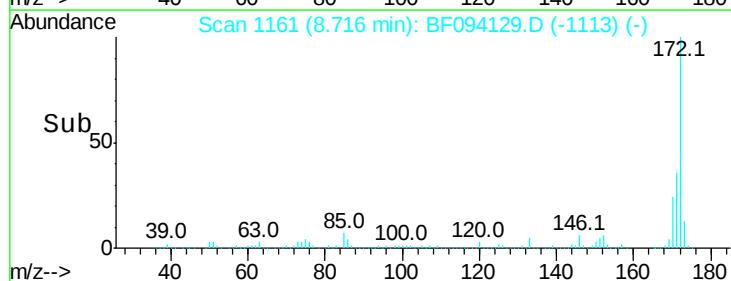
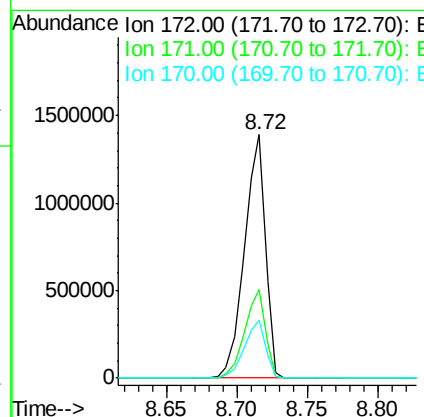
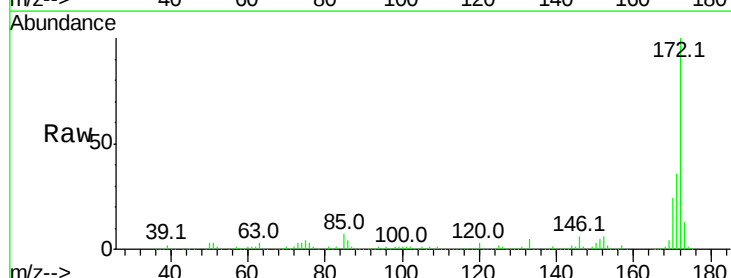
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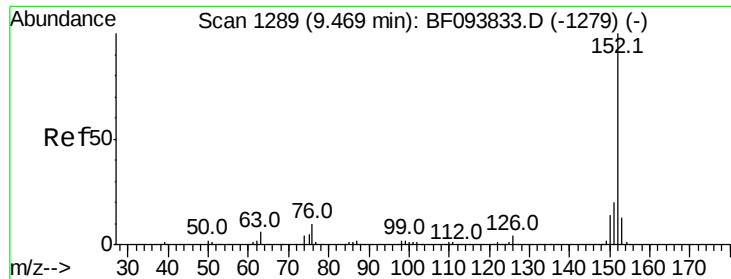
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#44
 2-Fluorobiphenyl
 Concen: 63.65 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094129.D
 Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1434525		
171	36.5	29.6	44.4	
170	23.8	19.8	29.8	





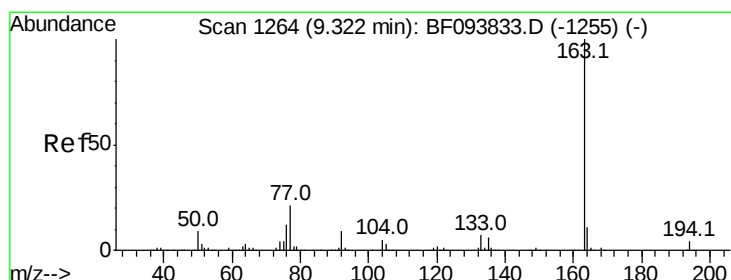
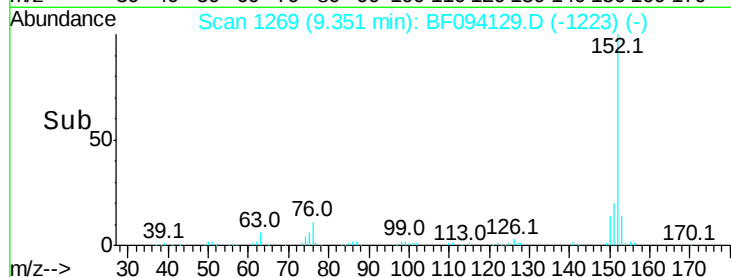
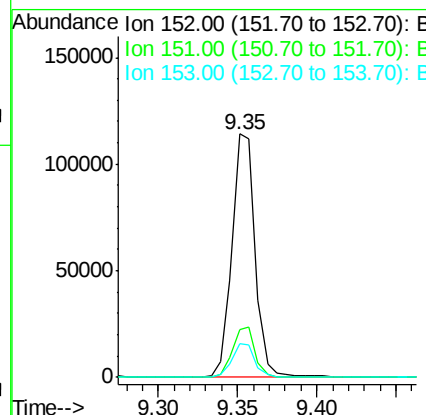
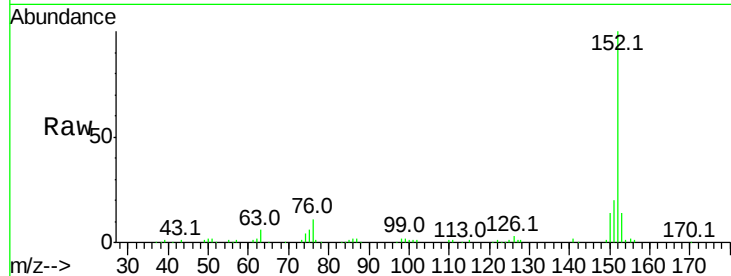
#48
Acenaphthylene
Concen: 3.22 ng
RT: 9.35 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
152	100	116143		
151	19.9		16.8	25.2
153	13.9		10.8	16.2

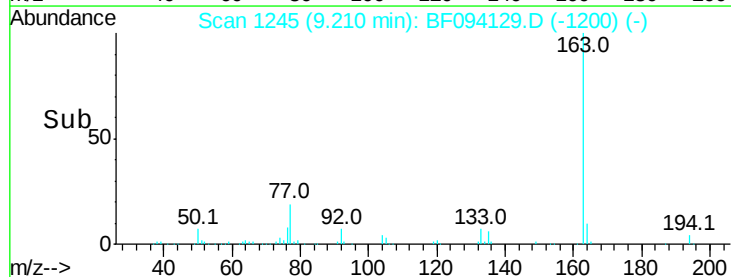
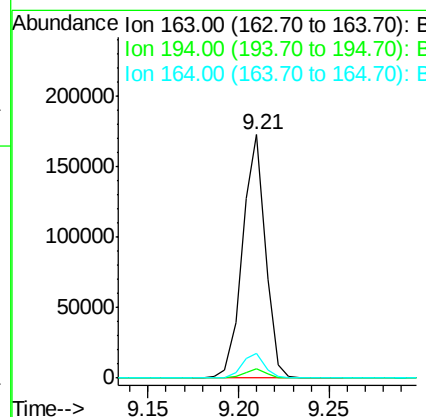
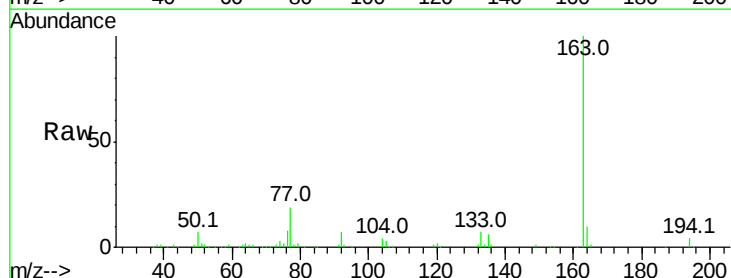
Manual Integrations
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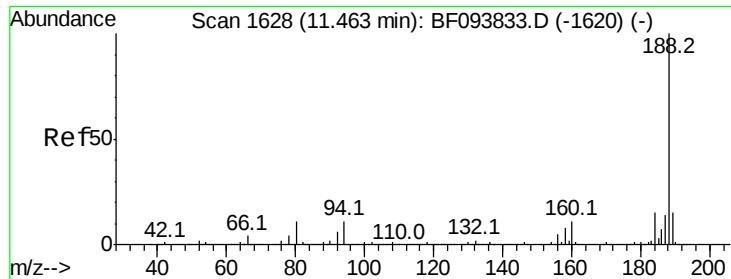
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#49
Dimethylphthalate
Concen: 6.20 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	151436		
194	3.6		2.6	4.0
164	10.2		8.4	12.6





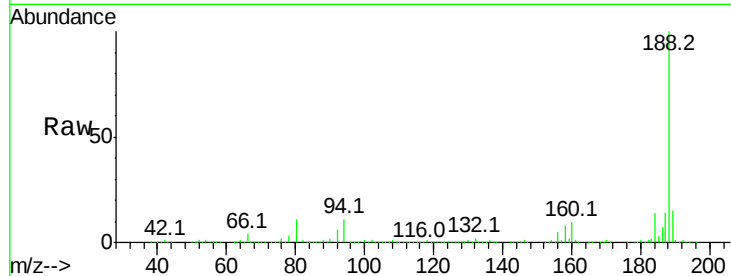
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampleId :
TP-5

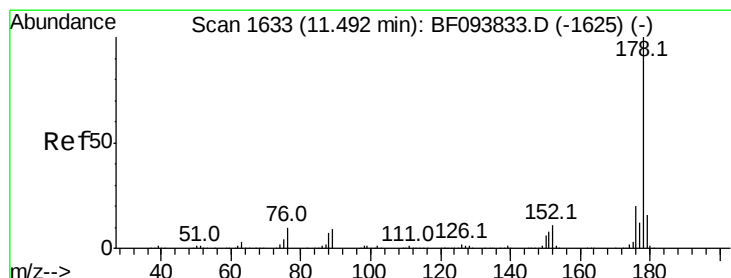
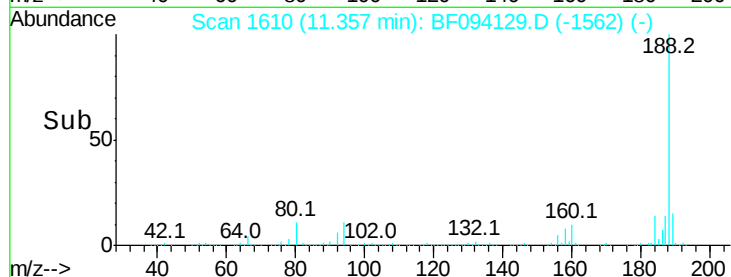
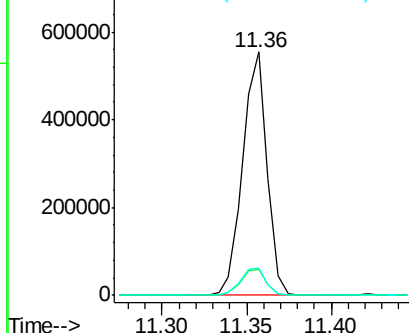
Tot Ion	Ratio	Resp	Lower	Upper
188	100	555801		
94	10.6		9.4	14.2
80	11.0		10.2	15.2

Manual Integrations
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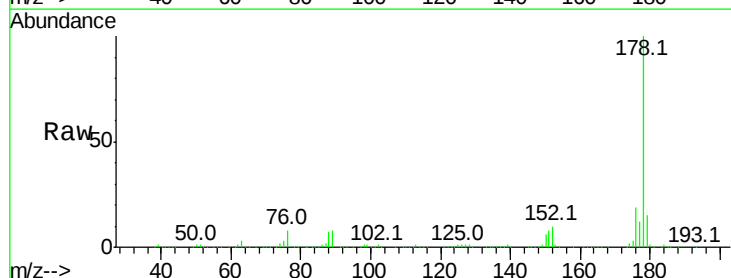


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

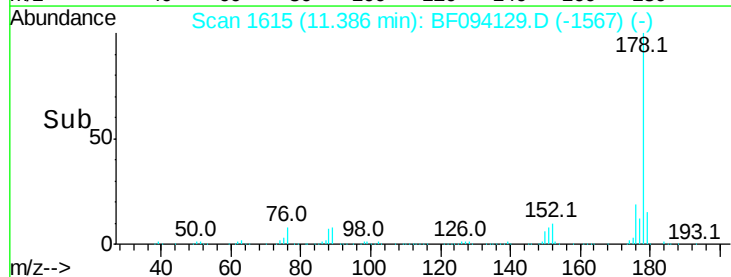
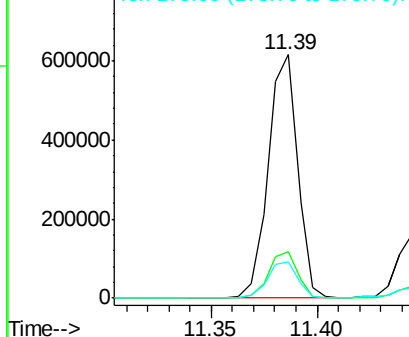


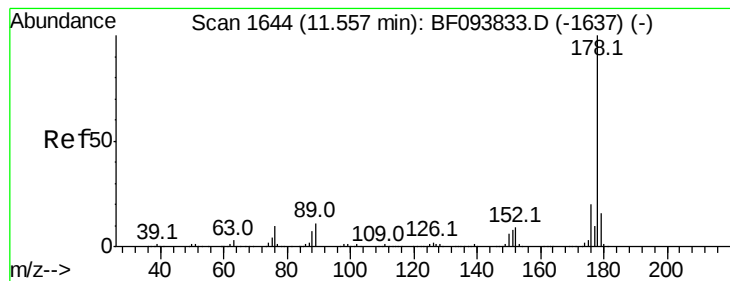
#70
Phenanthrene
Concen: 19.31 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	596903		
176	19.2		16.2	24.4
179	15.1		12.6	19.0



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: 4.70 ng

RT: 11.45 min Scan# 1625

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion:178 Resp: 149571

Ion Ratio Lower Upper

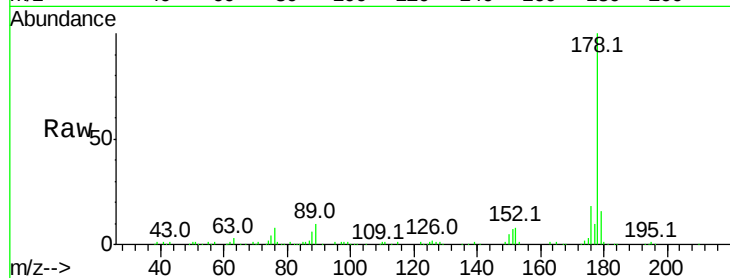
178 100

176 17.6 15.8 23.8

179 16.0 12.7 19.1

Manual Integrations
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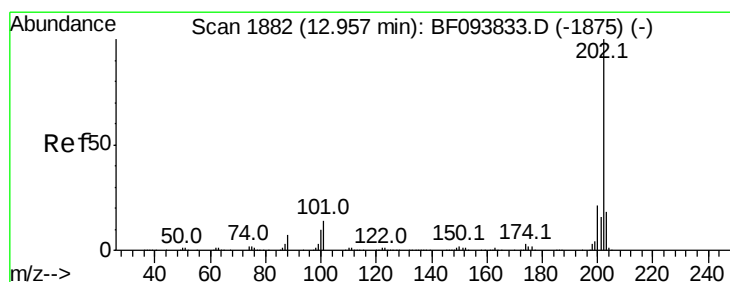
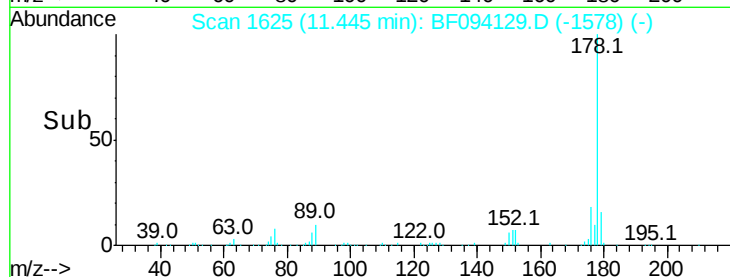
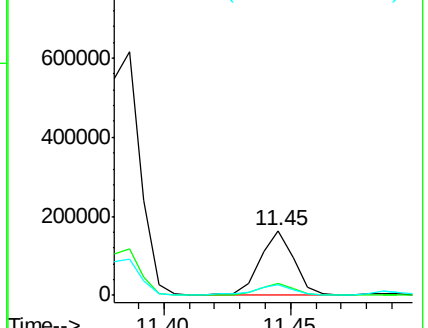
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 22.27 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

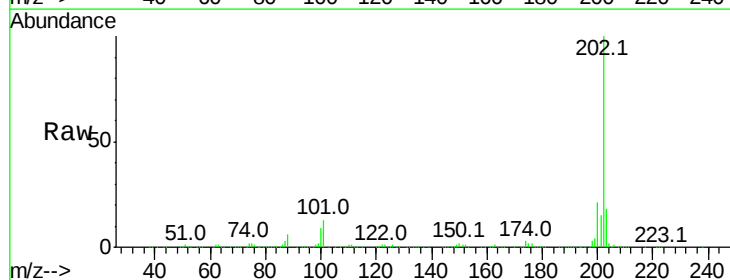
Tgt Ion:202 Resp: 705069

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

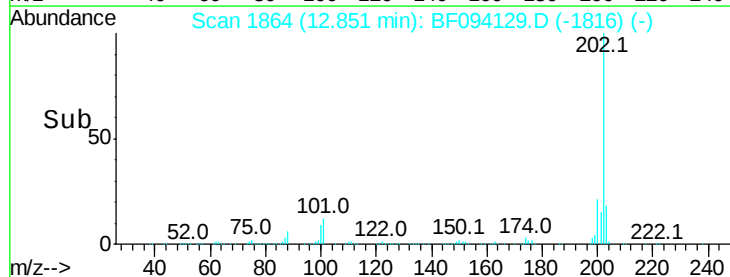
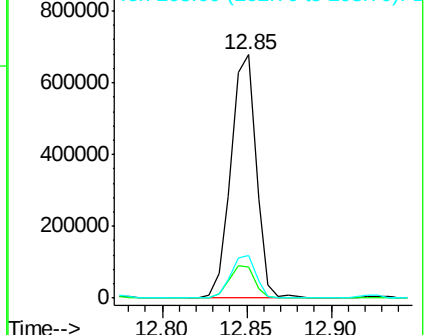
203 17.7 0.0 38.1

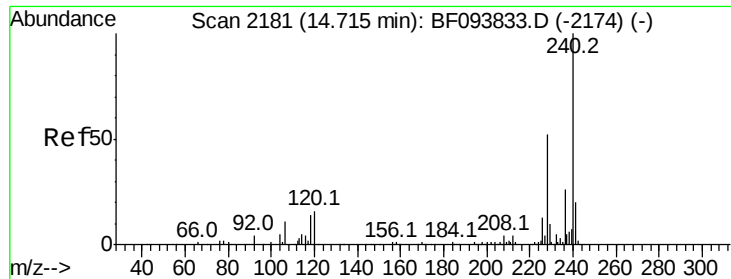


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.61 min Scan# 2163

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

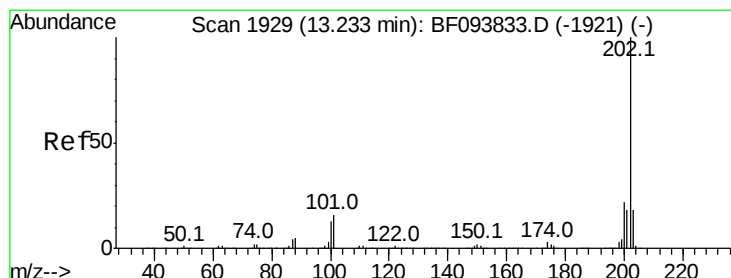
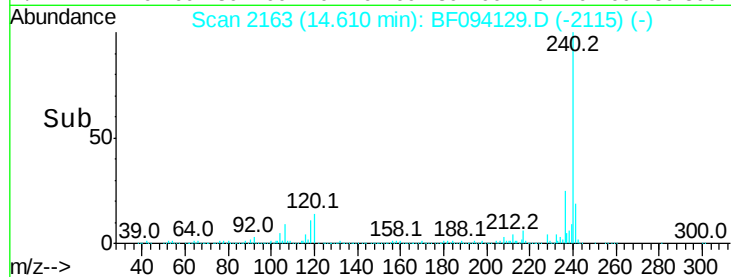
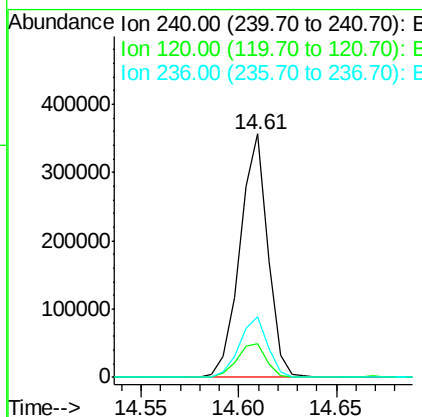
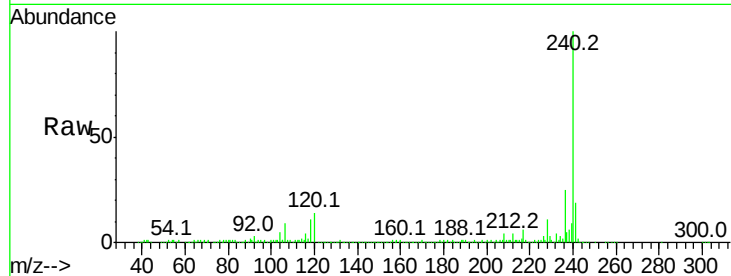
ClientSampleId :

TP-5

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	5.8	8.8#
236	25.0	20.5	30.7

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#77

Pyrene

Concen: 27.97 ng

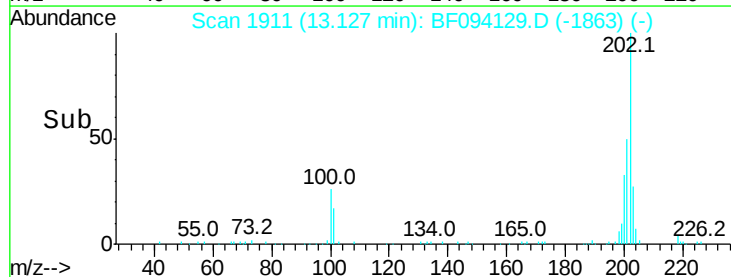
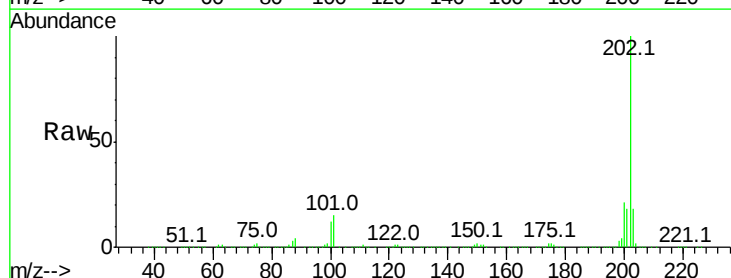
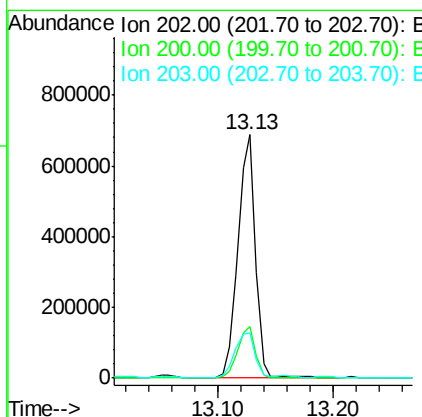
RT: 13.13 min Scan# 1911

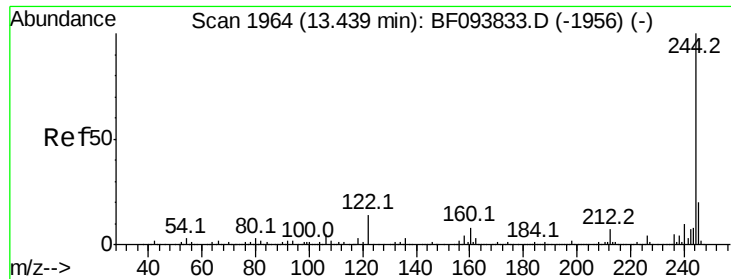
Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.4	14.4	21.6





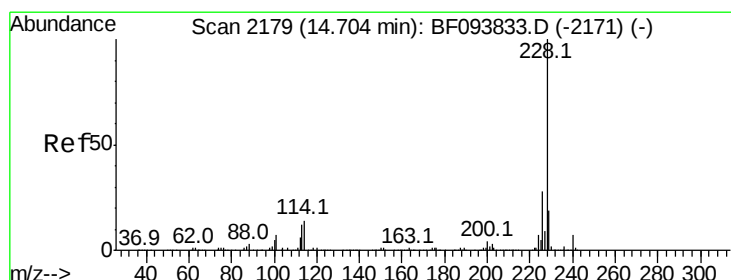
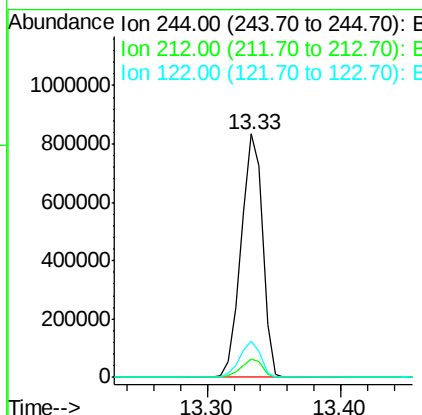
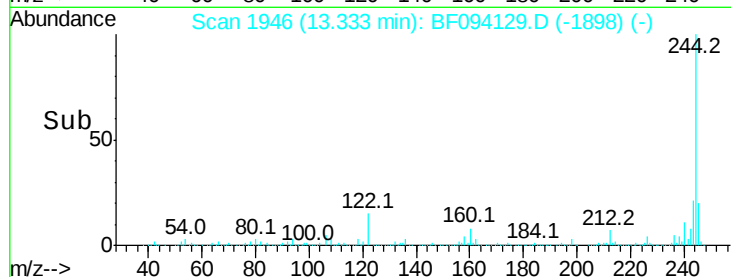
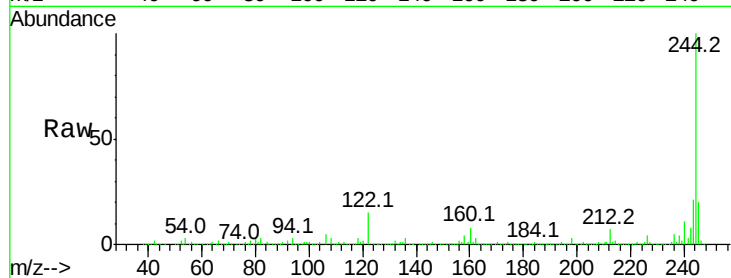
#78
 Terphenyl-d14
 Concen: 58.96 ng
 RT: 13.33 min Scan# 1946
 Delta R.T. -0.02 min
 Lab File: BF094129.D
 Acq: 3 Apr 2017 19:05

Instrument :
 BNA_F
 ClientSampled :
 TP-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	14.7	10.3	15.5

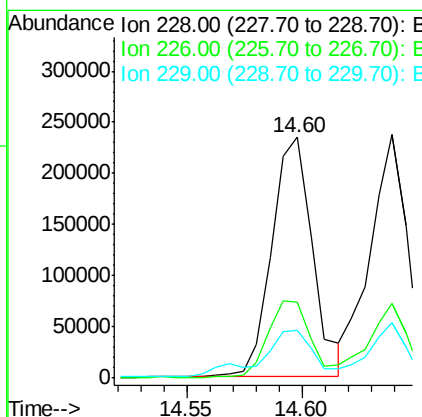
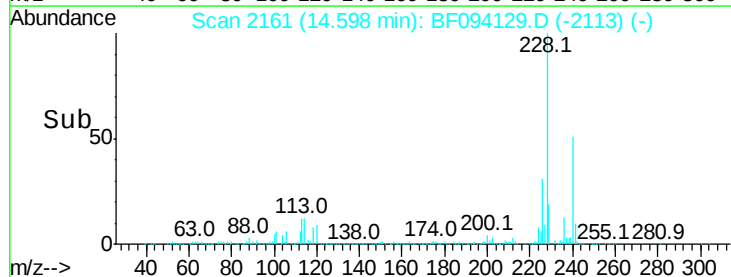
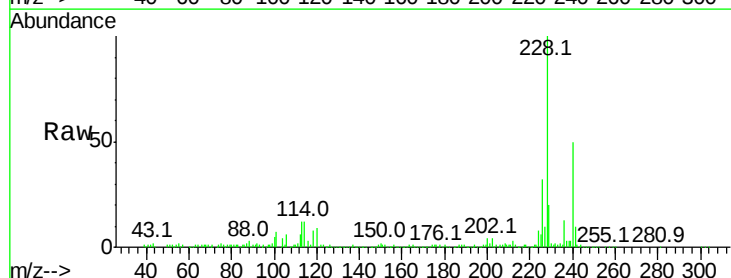
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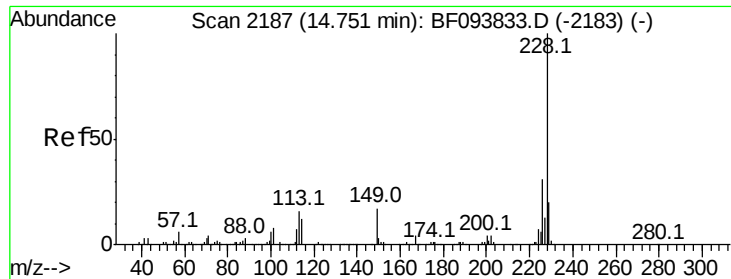
mohammad
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#80
 Benzo(a)anthracene
 Concen: 13.90 ng
 RT: 14.60 min Scan# 2161
 Delta R.T. -0.02 min
 Lab File: BF094129.D
 Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	19.8	16.3	24.5





#82

Chrysene

Concen: 13.77 ng

RT: 14.64 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

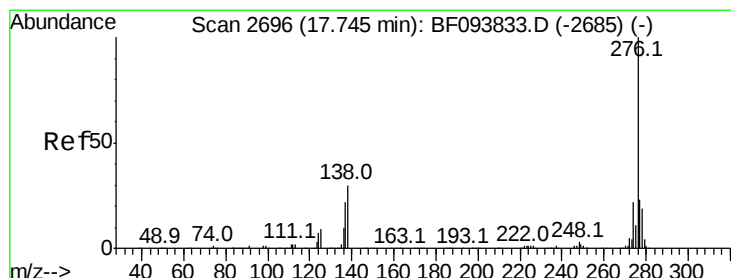
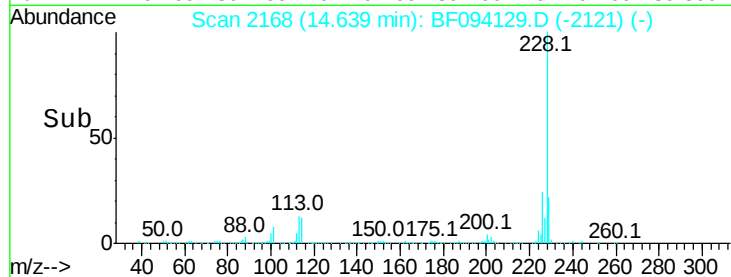
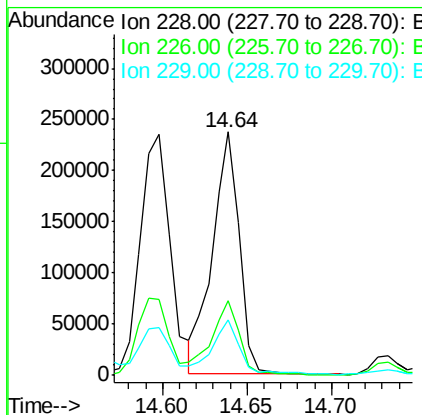
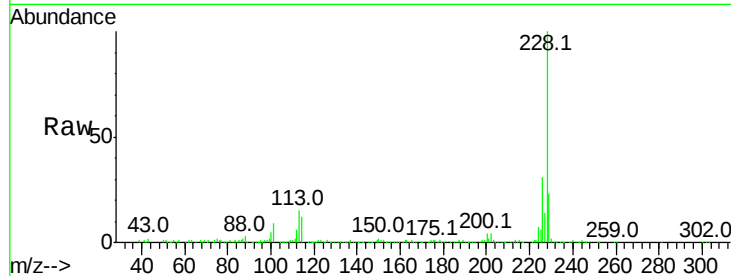
ClientSampled :

TP-5

Tot Ion:	228	Resp:	263513
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	22.9	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.90 ng

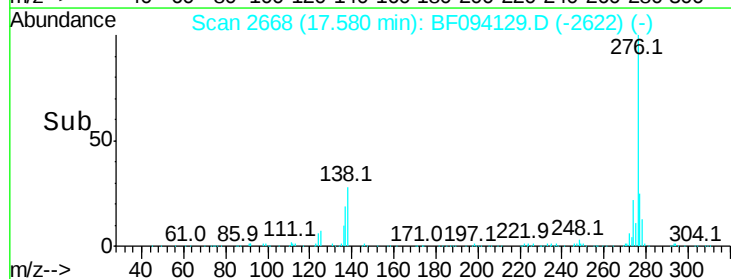
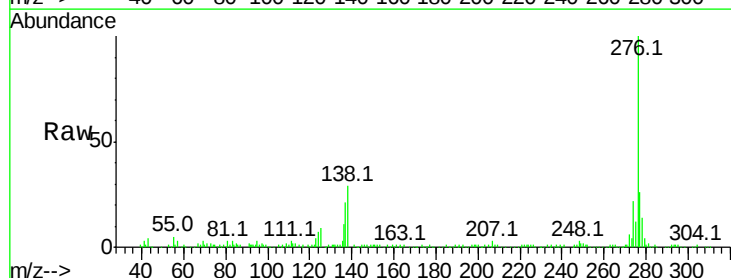
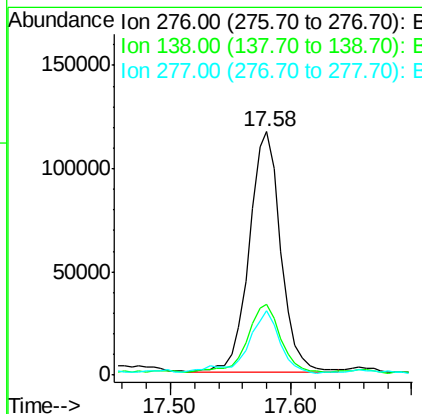
RT: 17.58 min Scan# 2668

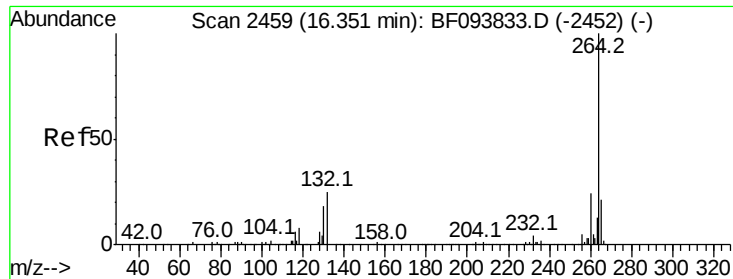
Delta R.T. -0.03 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Tgt Ion:	276	Resp:	213696
Ion Ratio	Lower	Upper	
276	100		
138	30.7	27.8	41.6
277	27.4	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.24 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

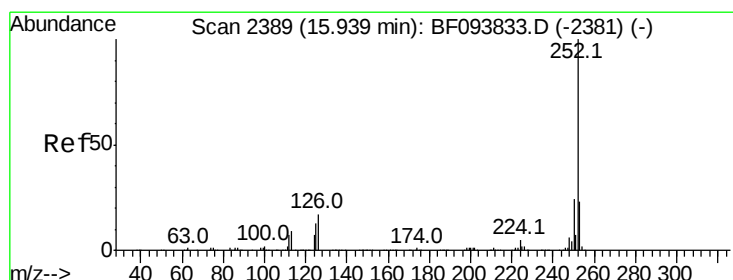
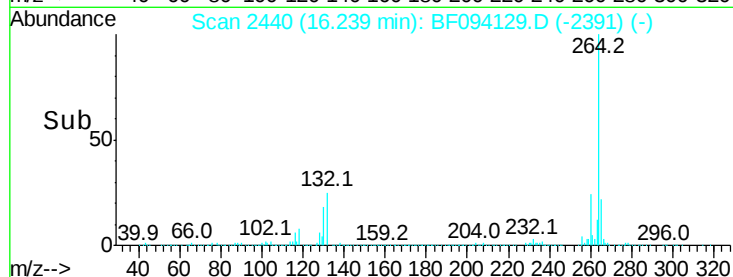
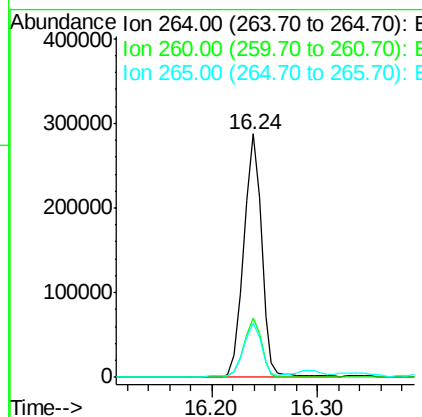
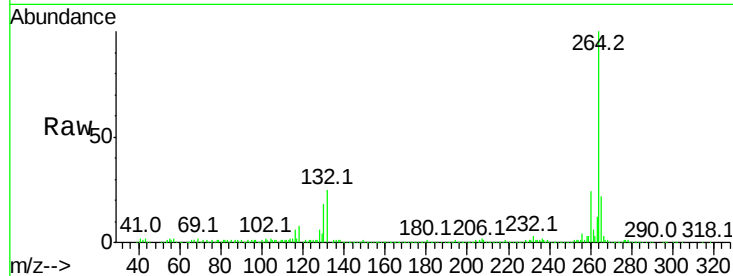
ClientSampleId :

TP-5

Tot Ion:	264	Resp:	336875
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 15.47 ng m

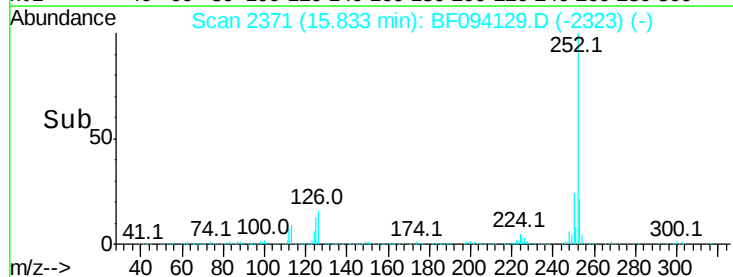
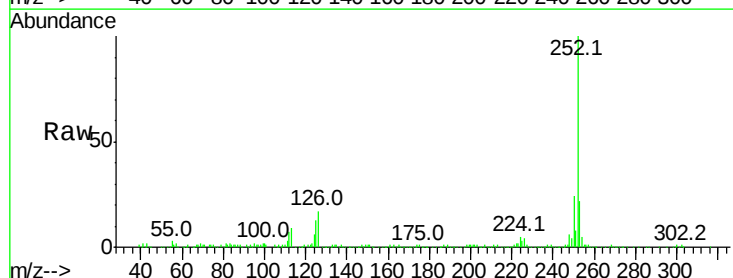
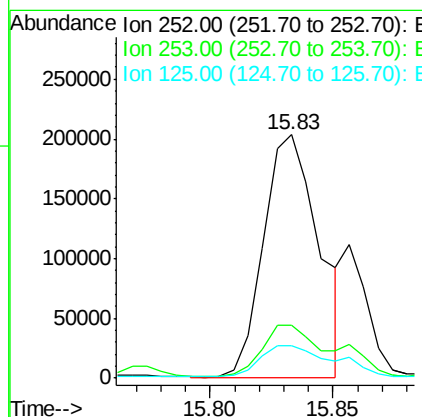
RT: 15.83 min Scan# 2371

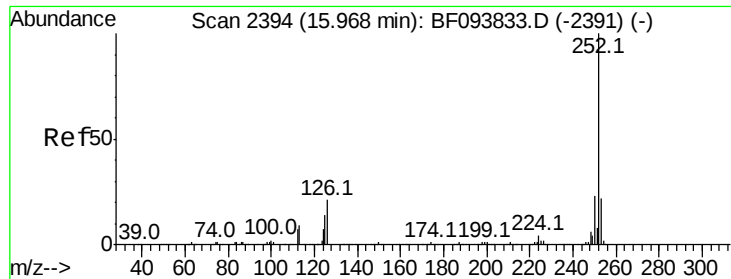
Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Tgt Ion:	252	Resp:	319517
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.1	27.1
125	13.4	9.8	14.8





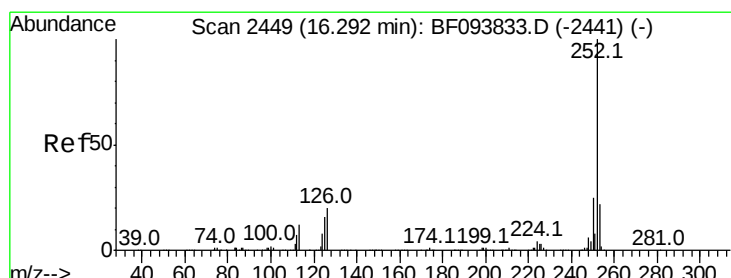
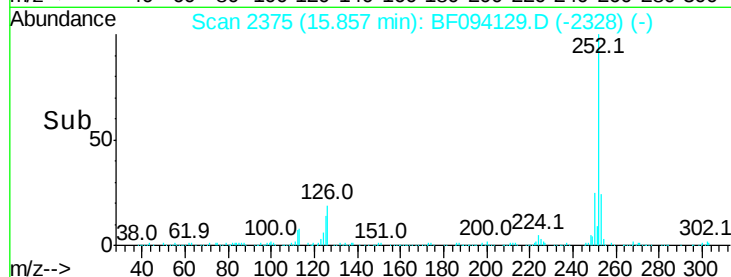
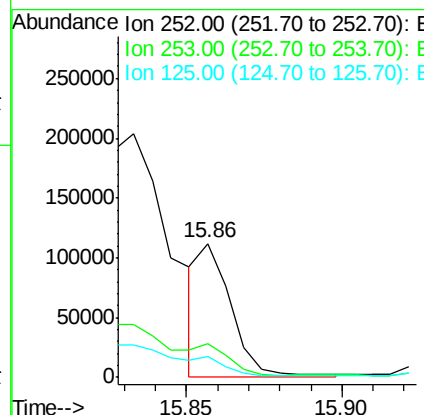
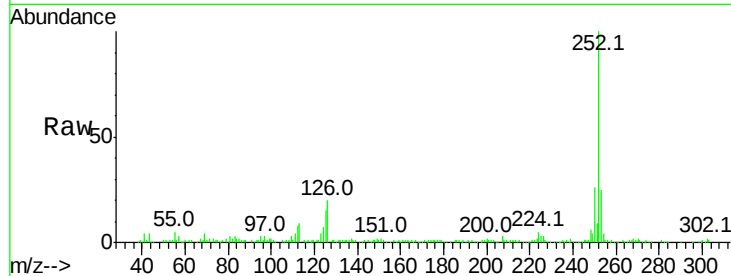
#88
Benzo(k)fluoranthene
Concen: 4.01 ng m
RT: 15.86 min Scan# 2375
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	15.3	13.1	19.7

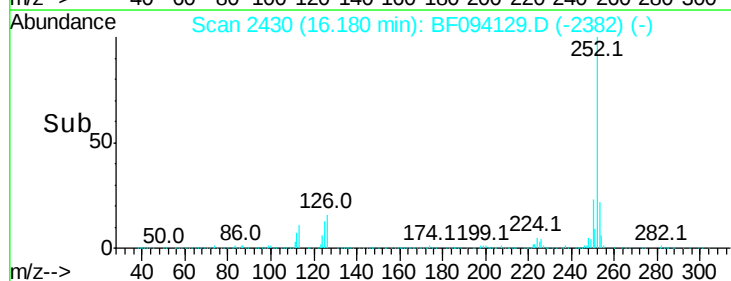
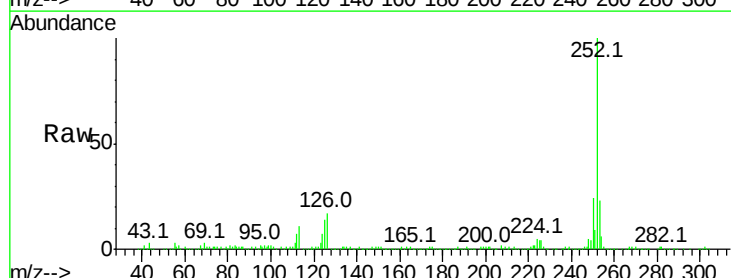
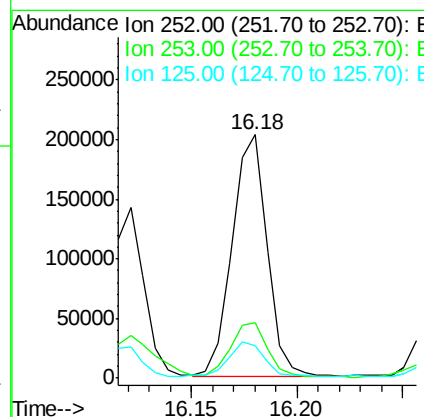
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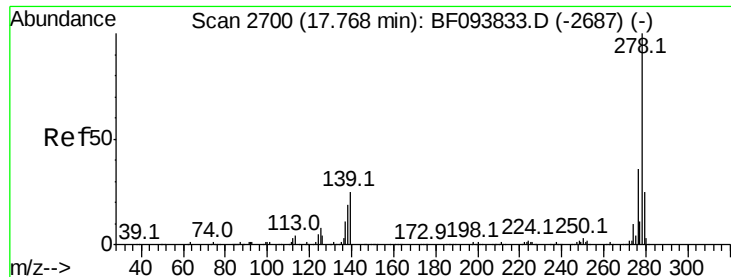
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#89
Benzo(a)pyrene
Concen: 12.07 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	13.5	11.0	16.4





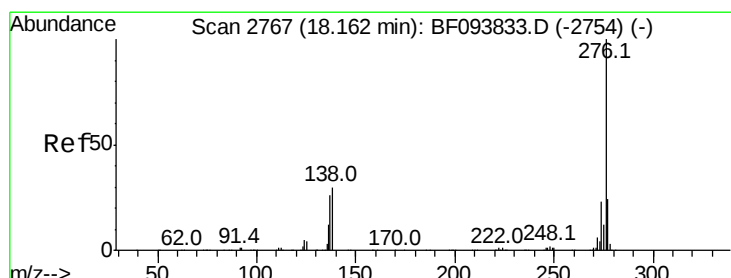
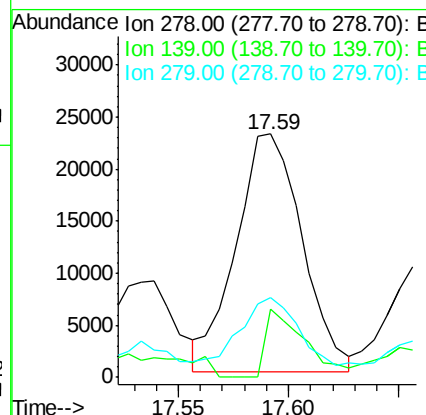
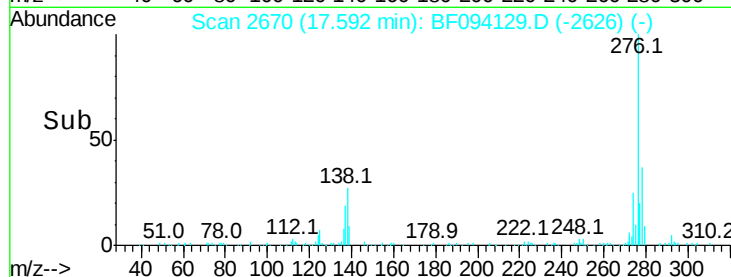
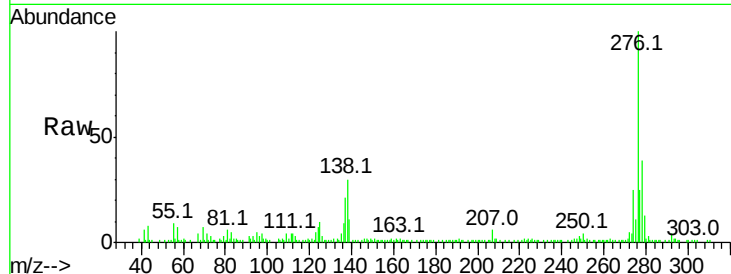
#90
Dibenzo(a,h)anthracene
Concen: 2.98 ng/mL
RT: 17.59 min Scan# 2670
Delta R.T. -0.04 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.0	16.6	24.8
279	32.8	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 18.43 ng/mL
RT: 17.98 min Scan# 2736
Delta R.T. -0.03 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	28.5	25.4	38.0

