

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094038.D
 Acq On : 30 Mar 2017 00:18
 Operator : SJ/MA
 Sample : I2443-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-BASE

Manual Integrations
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mohammad
 3/30/2017 2:33:03 PM

Quant Time: Mar 30 04:29:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	175717	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	703647	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	304042	20.00	ng	-0.04
63) Phenanthrene-d10	11.39	188	510287	20.00	ng	-0.04
75) Chrysene-d12	14.64	240	347965	20.00	ng	-0.04
86) Perylene-d12	16.27	264	288392	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1366911	131.39	ng	-0.02
7) Phenol-d6	5.53	99	1752542	136.17	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1105756	89.68	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	325751	135.58	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1625653	81.55	ng	-0.03
78) Terphenyl-d14	13.37	244	1061738	68.39	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	9.24	163	131359	6.08	ng	100
70) Phenanthrene	11.42	178	270169	9.52	ng	98
71) Anthracene	11.47	178	61910	2.12	ng	97
74) Fluoranthene	12.88	202	282574	9.72	ng	96
77) Pyrene	13.16	202	269005	10.65	ng	98
80) Benzo(a)anthracene	14.63	228	114638	5.65	ng	97
82) Chrysene	14.67	228	113145	6.01	ng	97
85) Indeno(1,2,3-cd)pyrene	17.62	276	70692	4.33	ng	97
87) Benzo(b)fluoranthene	15.86	252	174490m	9.87	ng	
88) Benzo(k)fluoranthene	15.89	252	48921m	2.83	ng	
89) Benzo(a)pyrene	16.21	252	101707	6.25	ng	98
91) Benzo(a,h,i)perylene	18.02	276	66735	4.80	ng	97

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

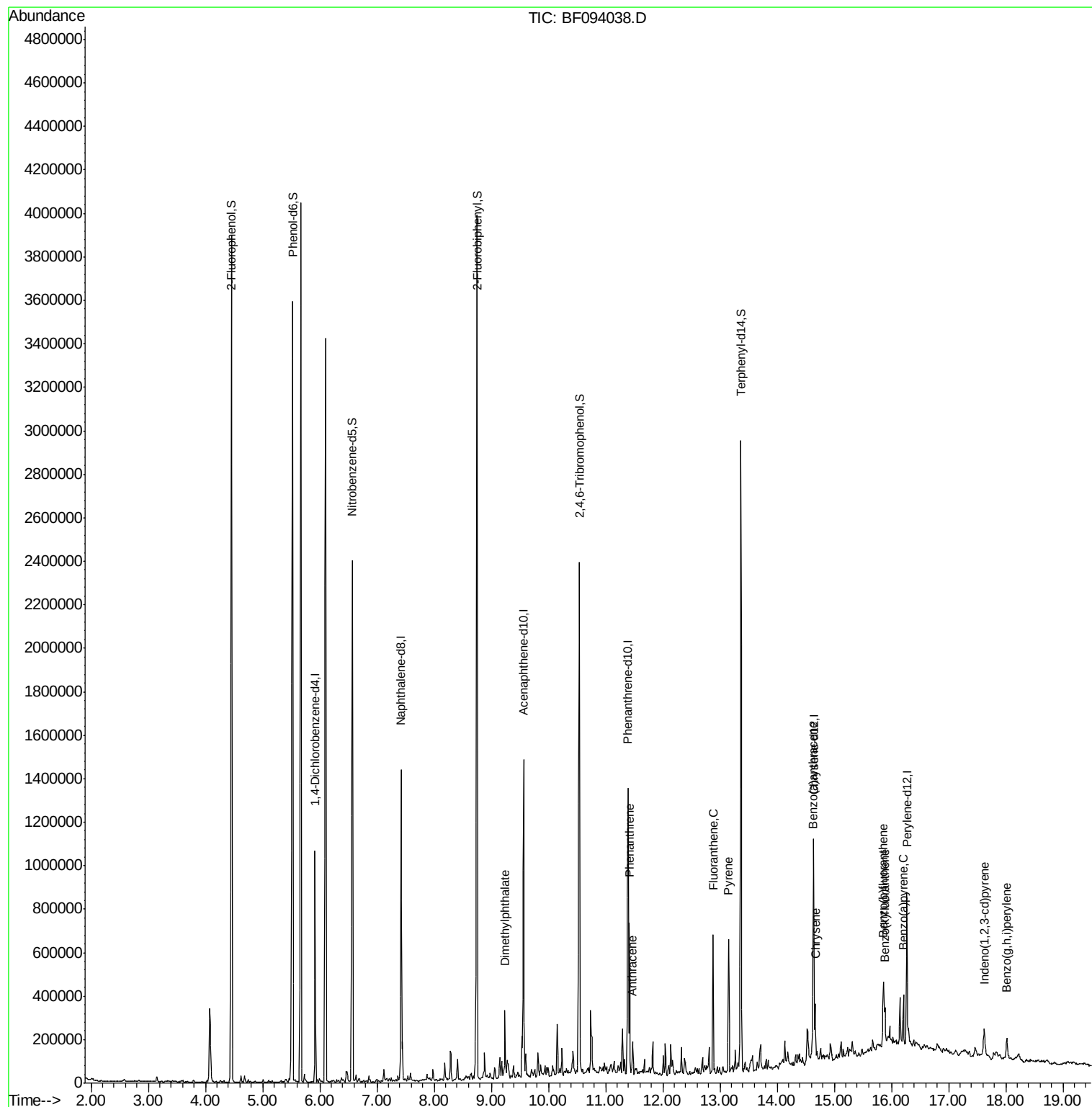
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
Data File : BF094038.D
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ALS Vial : 22 Sample Multiplier: 1

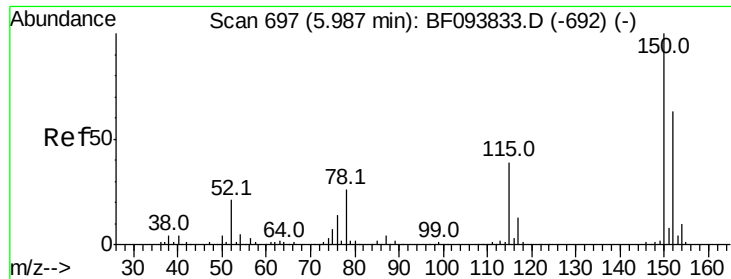
Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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#1

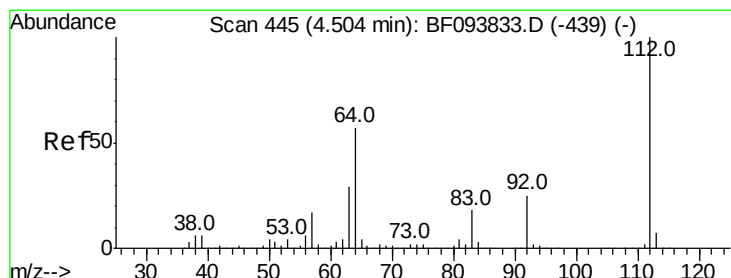
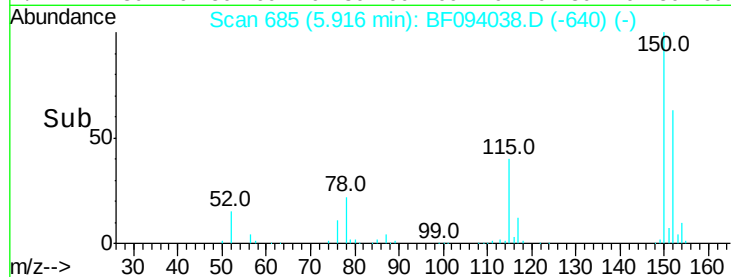
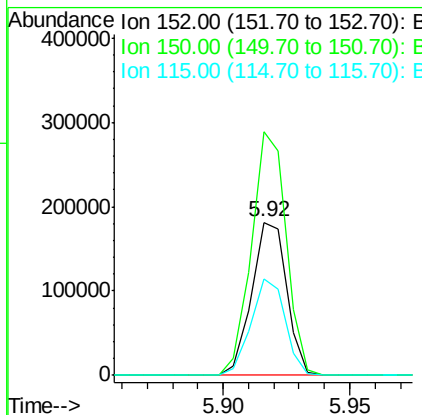
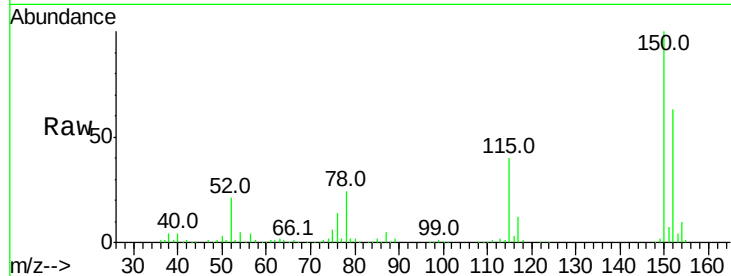
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 685
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	63.5	52.2	78.2

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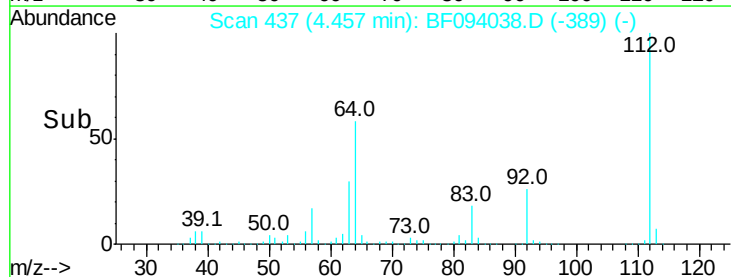
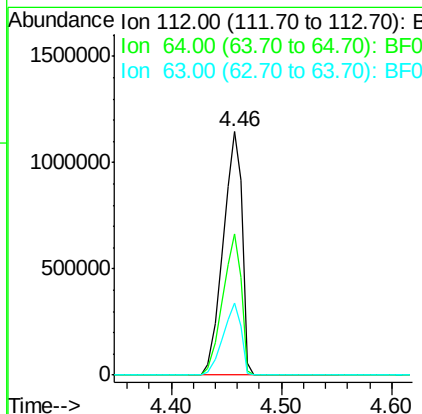
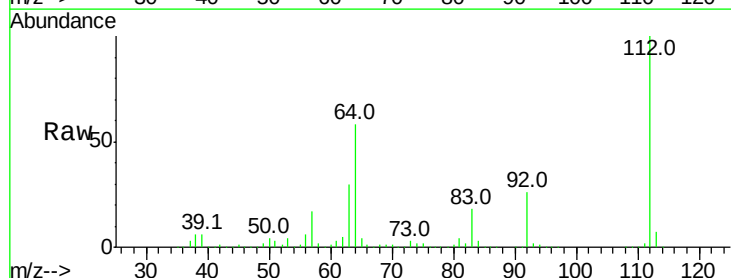
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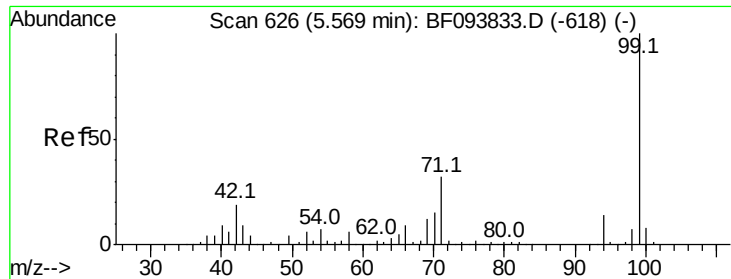


#5

2-Fluorophenol
Concen: 131.39 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.0	69.0
63	29.9	23.4	35.0





#7

Phenol-d6

Concen: 136.17 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Instrument :

BNA_F

ClientSampleId :

E2-BB10-BASE

Tot Ion: 99 Resp: 1752542

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

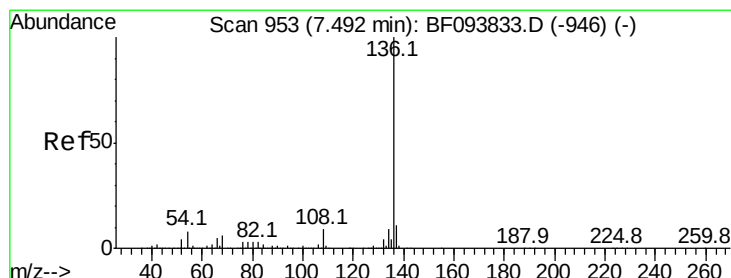
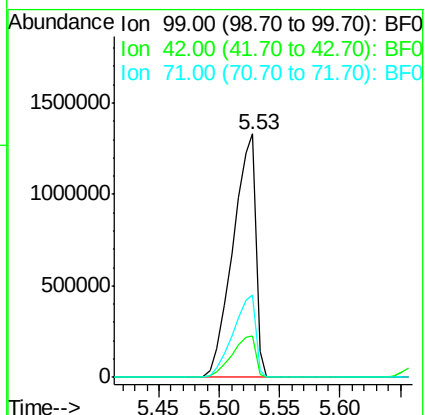
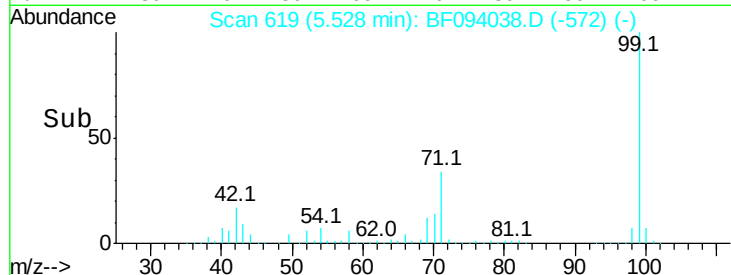
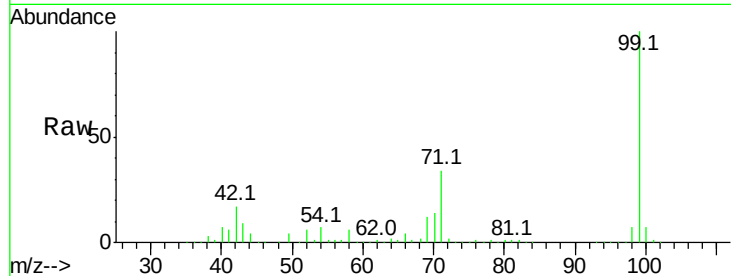
71 33.6 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Tgt Ion: 136 Resp: 703647

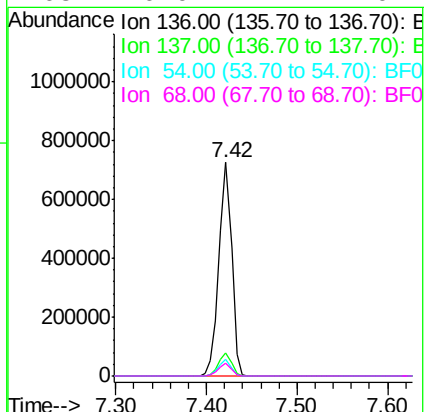
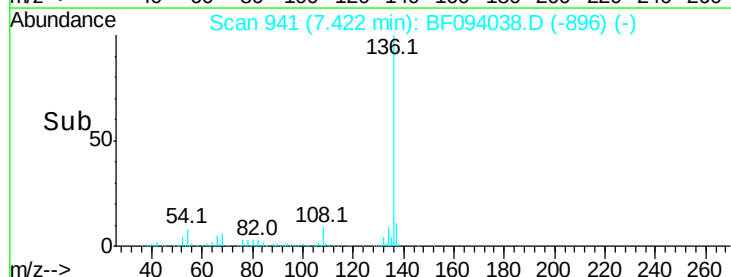
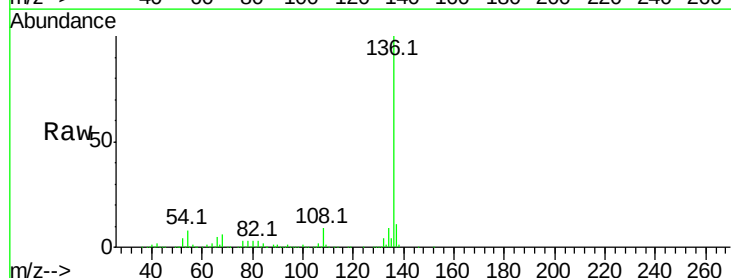
Ion Ratio Lower Upper

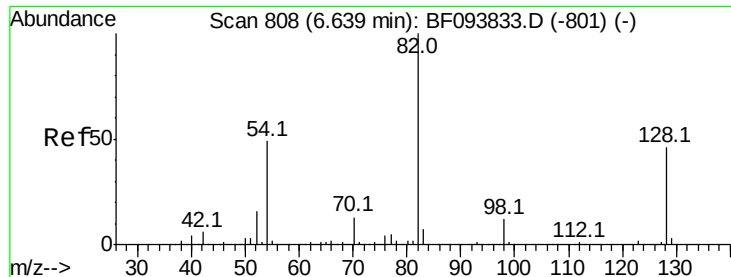
136 100

137 11.0 8.5 12.7

54 7.6 4.9 7.3#

68 6.0 4.1 6.1





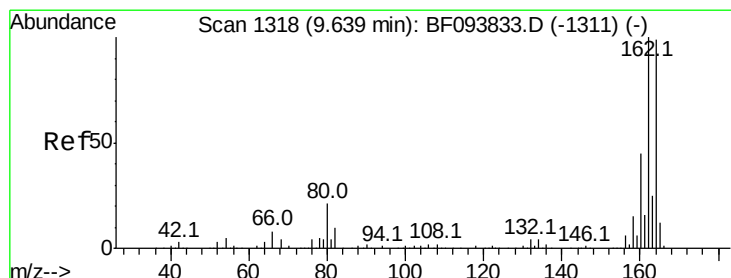
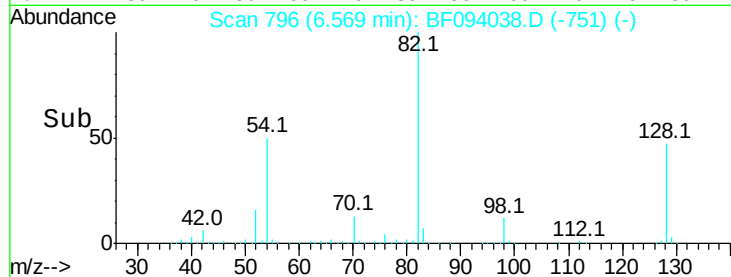
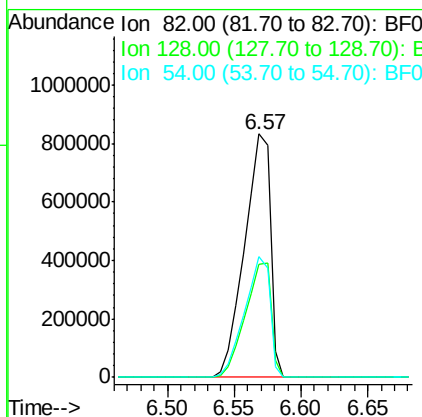
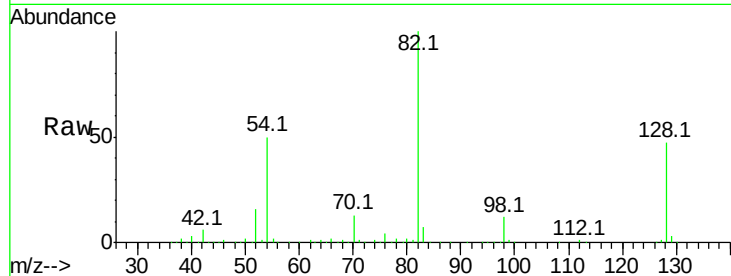
#23
Nitrobenzene-d5
Concen: 89.68 ng
RT: 6.57 min Scan# 796
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampled :
E2-BB10-BASE

Tot Ion: 82 Resp: 1105756
Ion Ratio Lower Upper
82 100
128 46.6 34.0 51.0
54 49.6 42.2 63.2

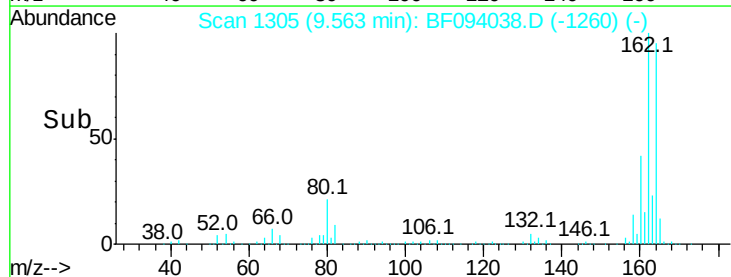
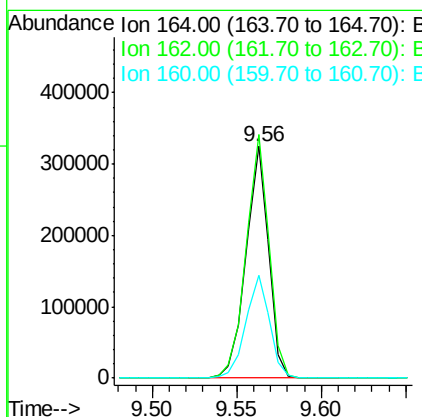
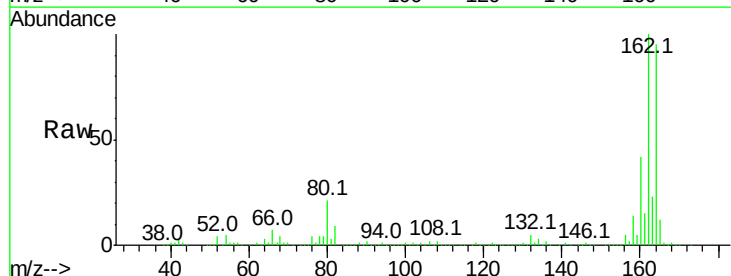
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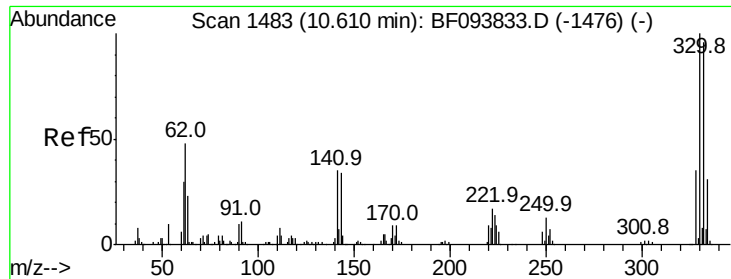
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 1305
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion:164 Resp: 304042
Ion Ratio Lower Upper
164 100
162 105.1 82.6 123.8
160 44.5 36.2 54.2





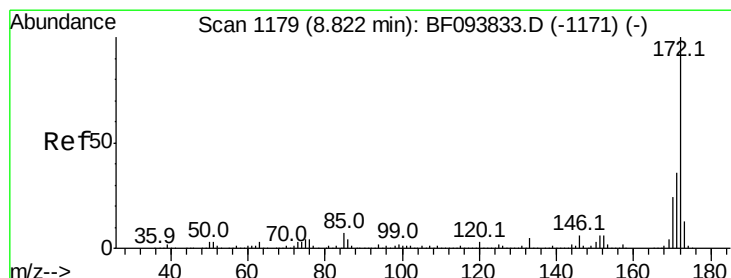
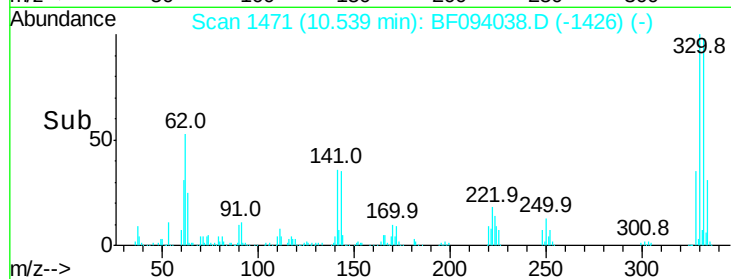
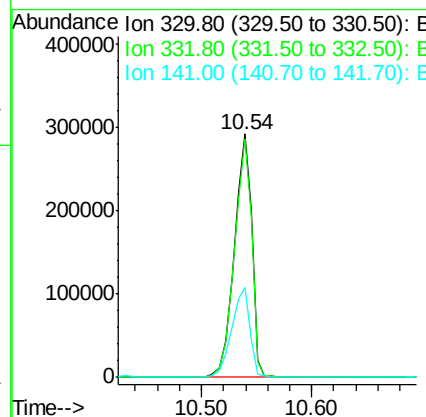
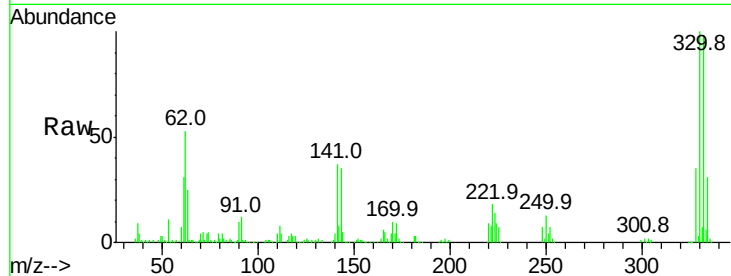
#41
 2,4,6-Tribromophenol
 Concen: 135.58 ng
 RT: 10.54 min Scan# 1471
 Delta R.T. -0.04 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.6	115.0	
141	37.8	31.4	47.2	

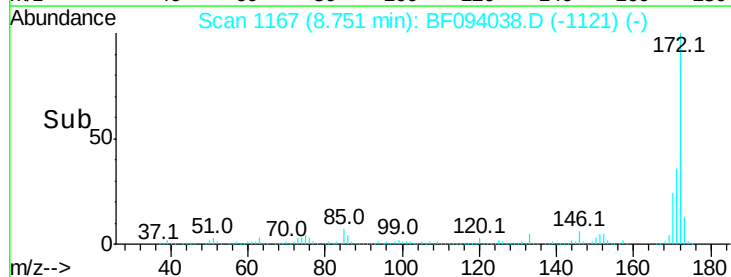
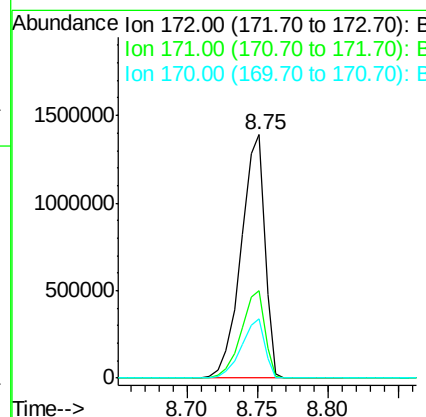
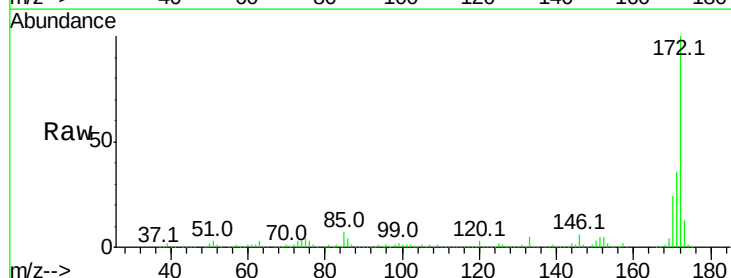
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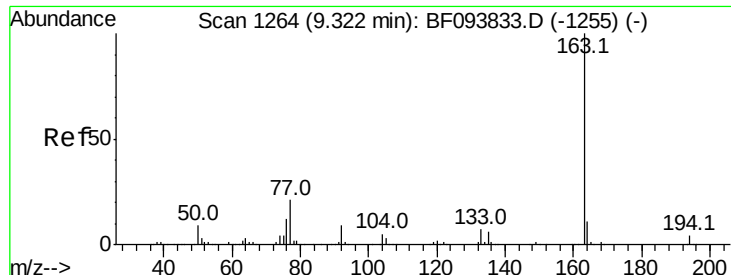
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#44
 2-Fluorobiphenyl
 Concen: 81.55 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.6	44.4	
170	24.3	19.8	29.8	





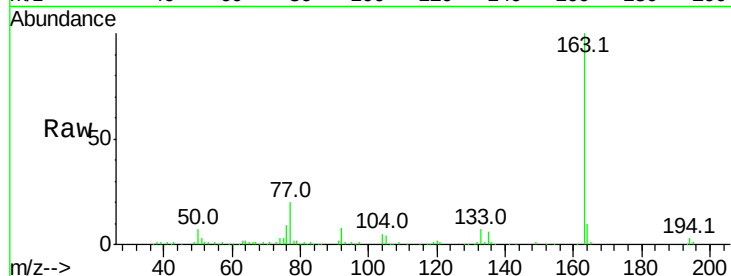
#49
Dimethylphthalate
Concen: 6.08 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.05 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

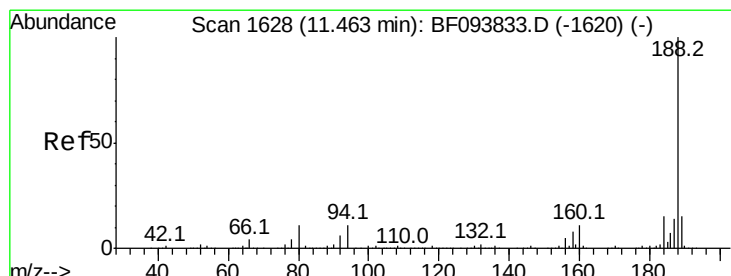
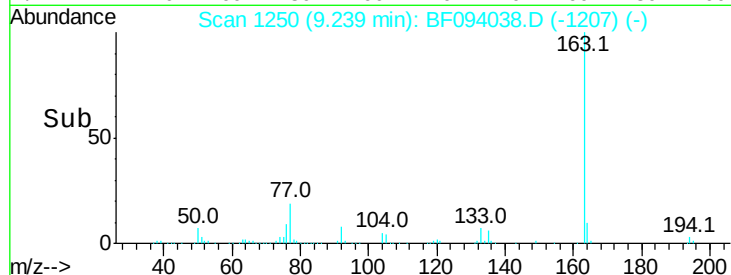
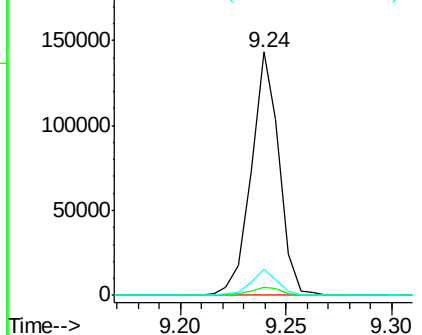
Tot Ion	Ratio	Resp	Lower	Upper
163	100	131359		
194	3.1		2.6	4.0
164	10.5		8.4	12.6

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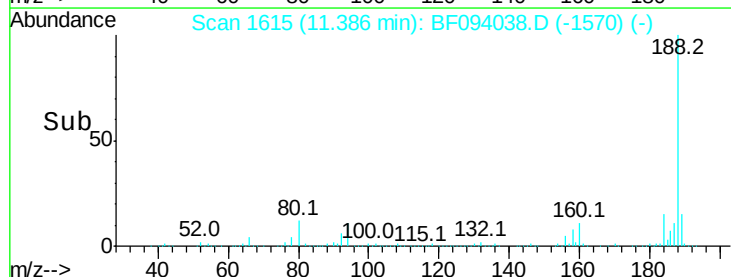
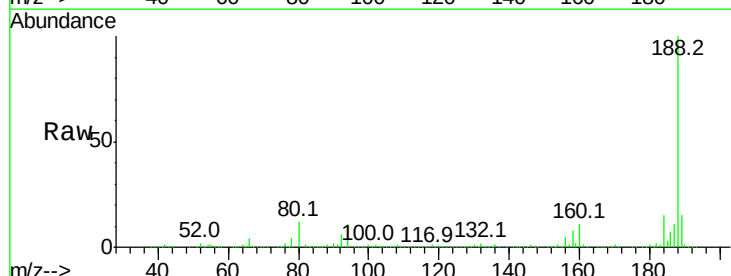
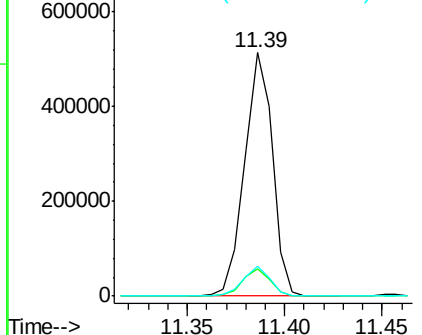
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

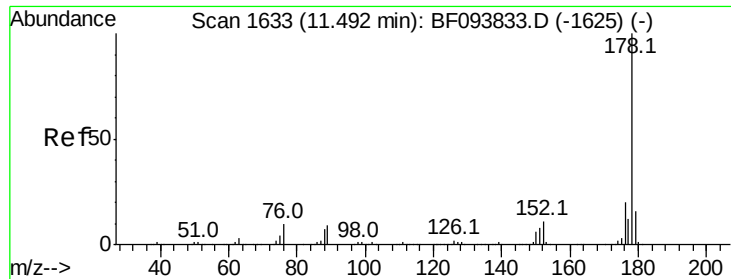


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	510287		
94	11.3		9.4	14.2
80	12.4		10.2	15.2

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





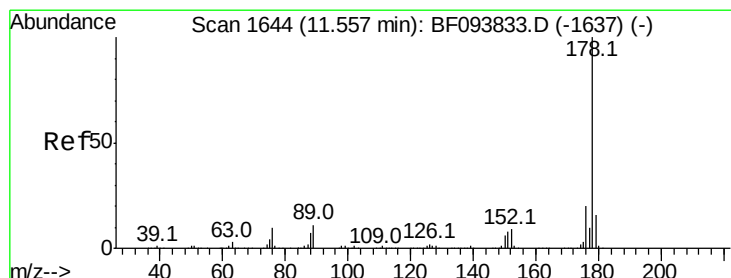
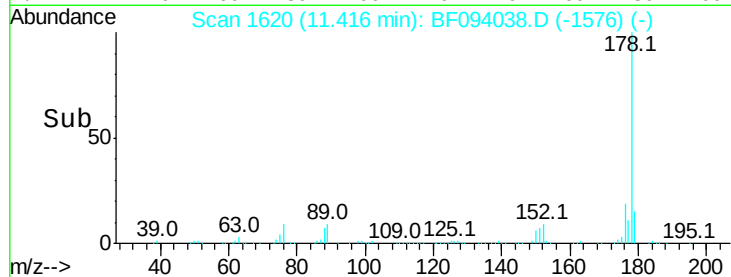
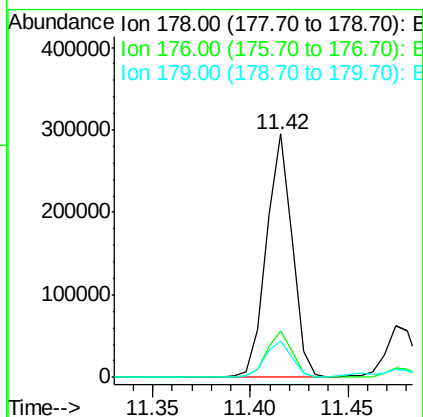
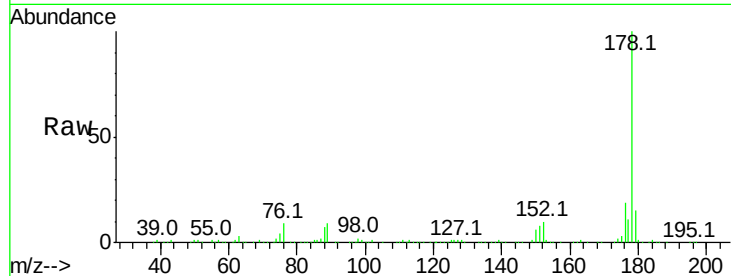
#70
Phenanthrene
Concen: 9.52 ng
RT: 11.42 min Scan# 1620
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	14.8	12.6	19.0

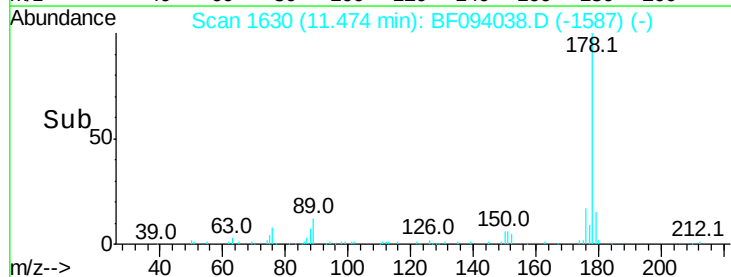
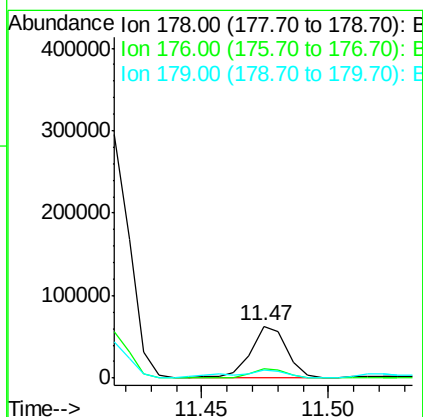
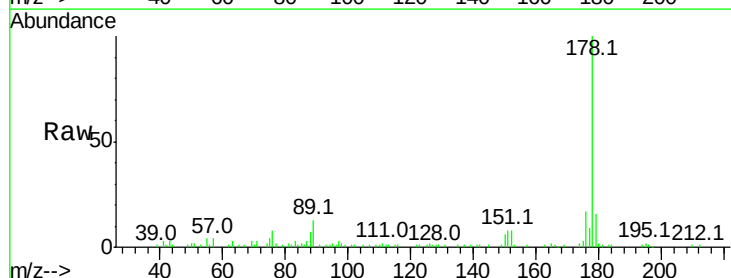
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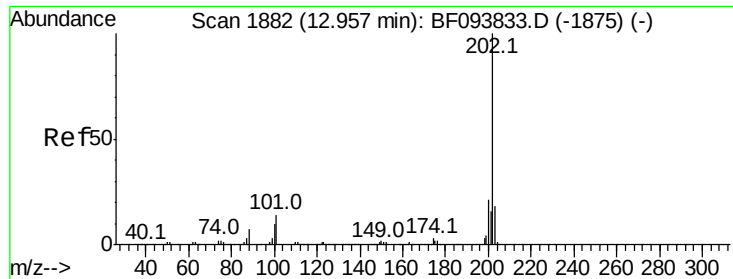
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#71
Anthracene
Concen: 2.12 ng
RT: 11.47 min Scan# 1630
Delta R.T. -0.05 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	15.8	12.7	19.1





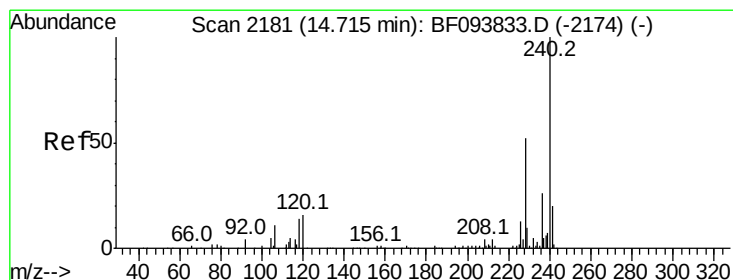
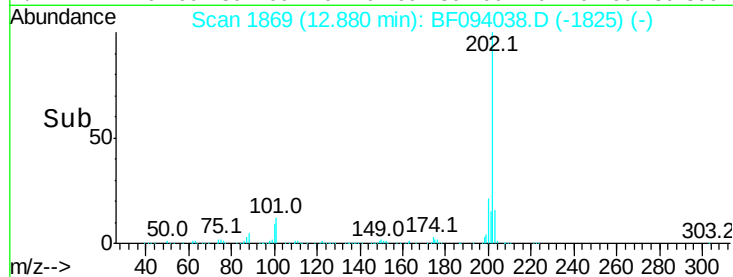
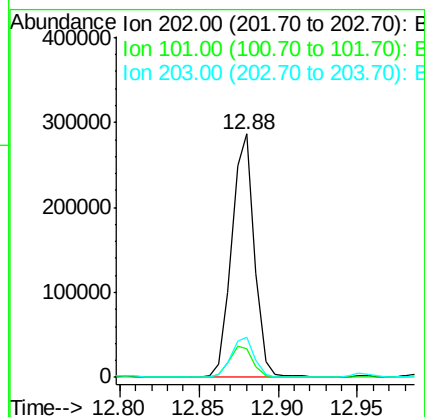
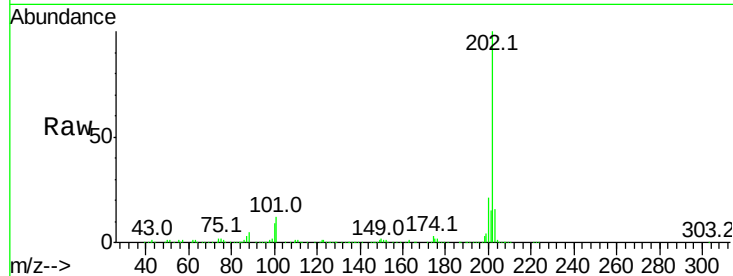
#74
Fluoranthene
Concen: 9.72 ng
RT: 12.88 min Scan# 1869
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

Tot Ion:	202	Resp:	282574
Ion Ratio		Lower	Upper
202	100		
101	11.9	0.0	33.2
203	16.5	0.0	38.1

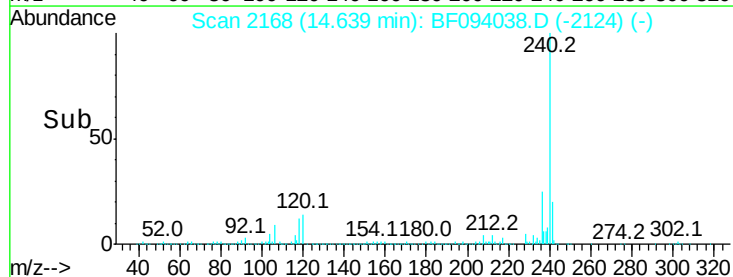
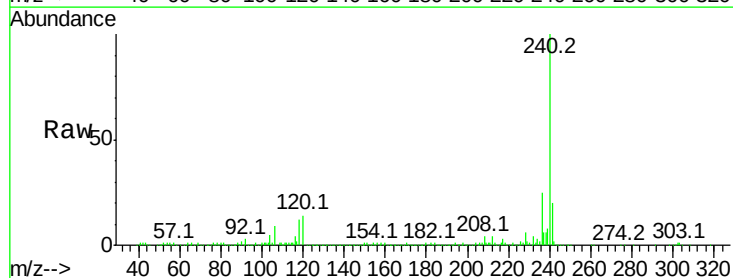
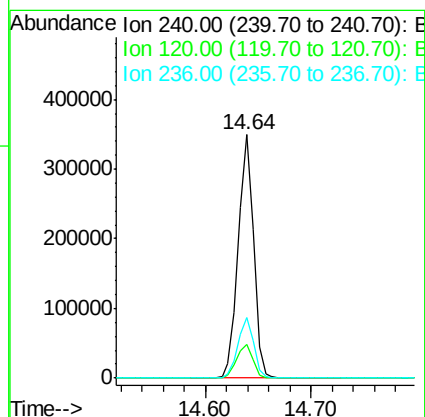
Manual Integrations
APPROVED

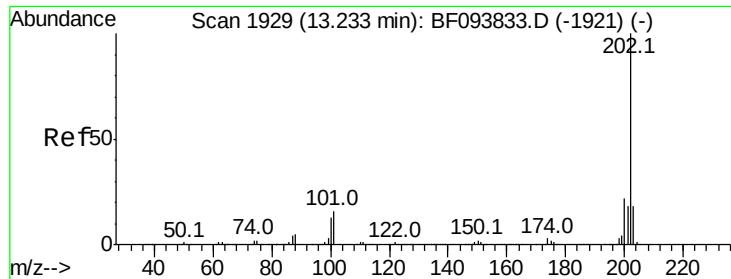
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.64 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion:	240	Resp:	347965
Ion Ratio		Lower	Upper
240	100		
120	13.6	5.8	8.8#
236	25.0	20.5	30.7





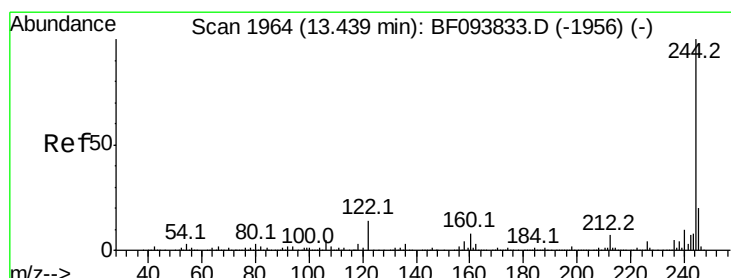
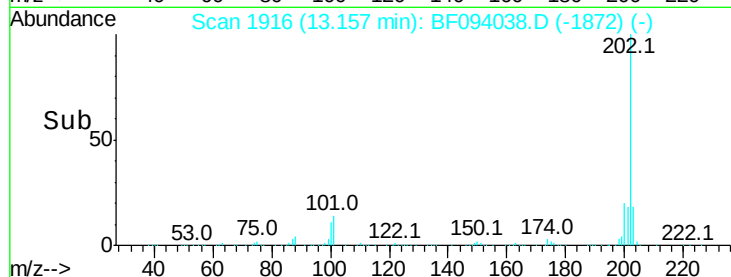
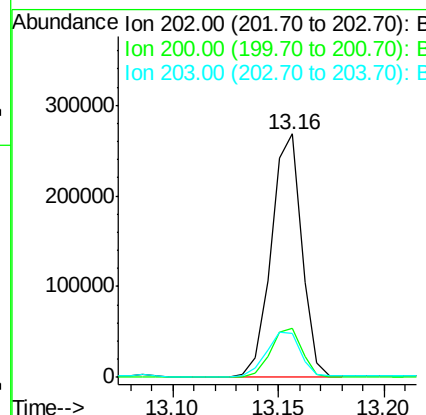
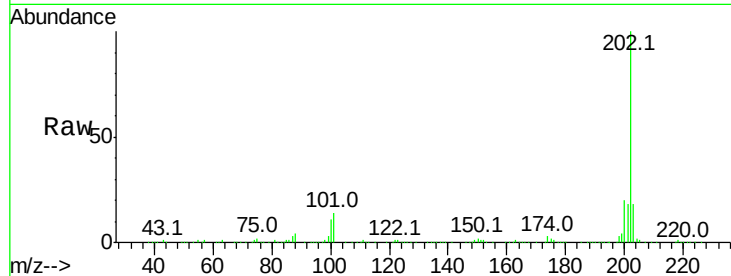
#77
Pvrene
Concen: 10.65 ng
RT: 13.16 min Scan# 1916
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.6	26.4
203	17.8	14.4	21.6

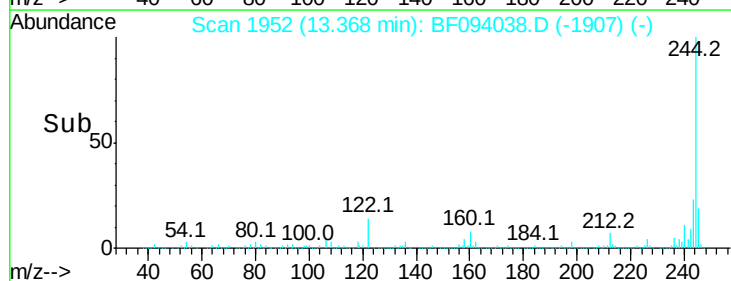
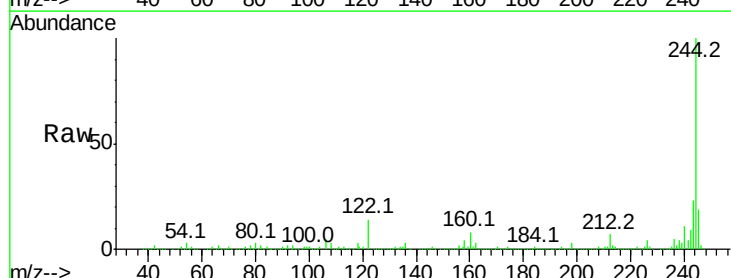
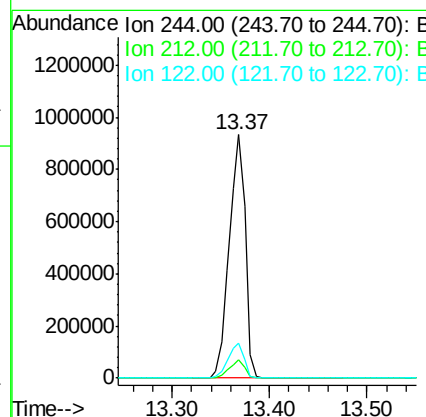
Manual Integrations
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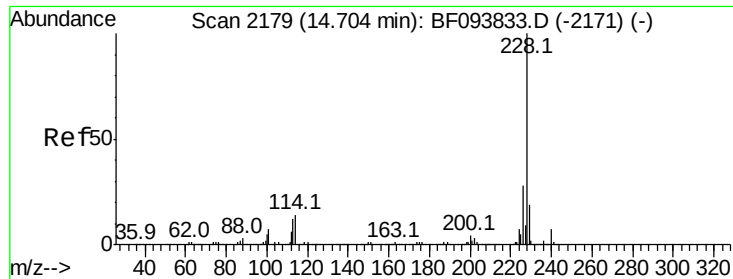
mohammad
3/30/2017 2:33:03 PM



#78
Terphenyl-d14
Concen: 68.39 ng
RT: 13.37 min Scan# 1952
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.4	10.3	15.5





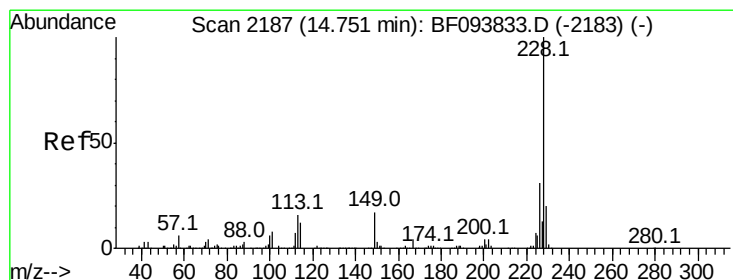
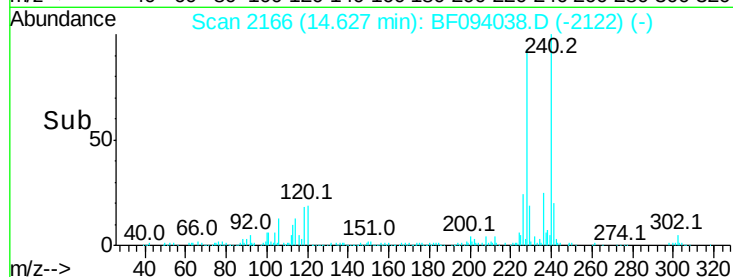
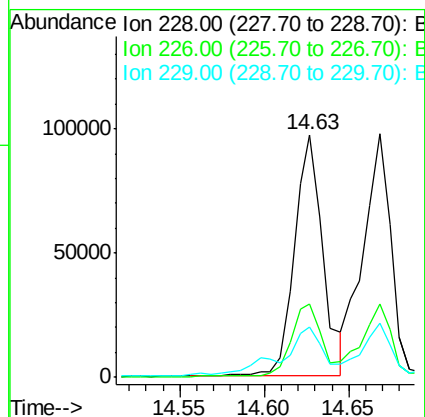
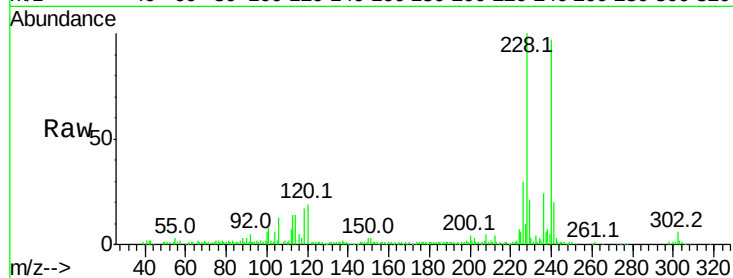
#80
Benzo(a)anthracene
Concen: 5.65 ng
RT: 14.63 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

Tot Ion:228	Resp:	114638
Ion Ratio	Lower	Upper
228 100		
226 30.4	22.6	33.8
229 20.9	16.3	24.5

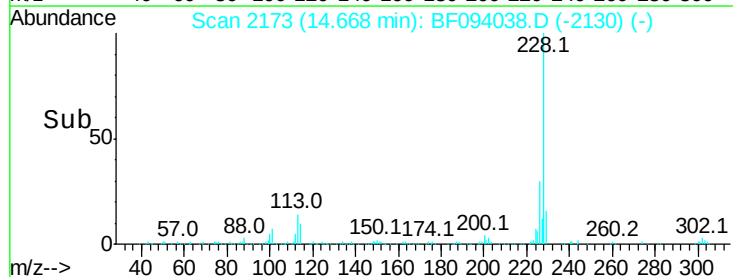
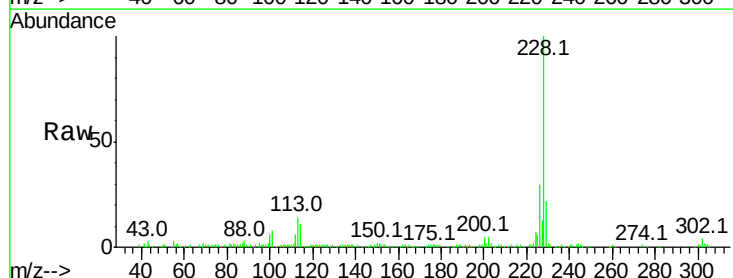
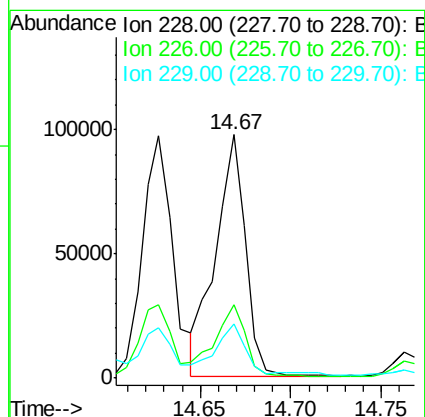
Manual Integrations
APPROVED

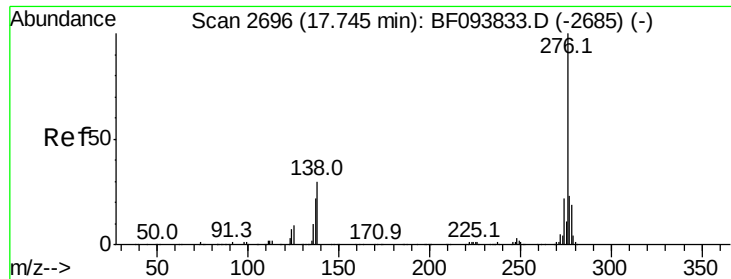
mohammad
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#82
Chrysene
Concen: 6.01 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.05 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion:228	Resp:	113145
Ion Ratio	Lower	Upper
228 100		
226 30.2	24.9	37.3
229 22.4	15.8	23.6





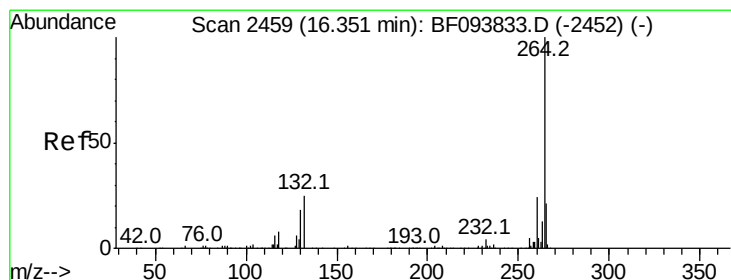
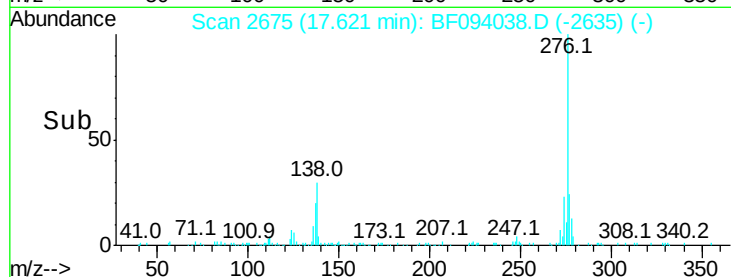
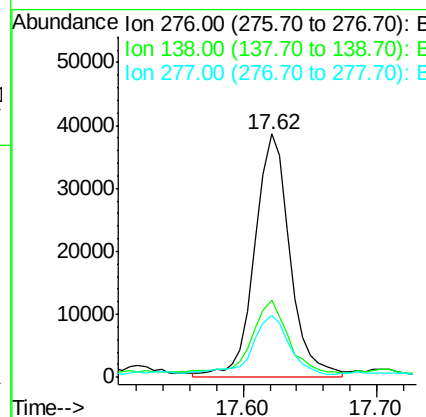
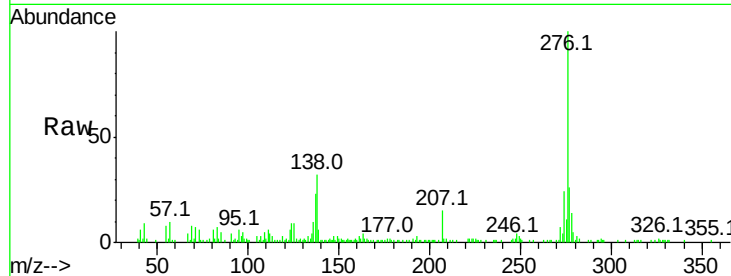
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.33 ng
 RT: 17.62 min Scan# 2675
 Delta R.T. -0.06 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	24.9	20.2	30.4

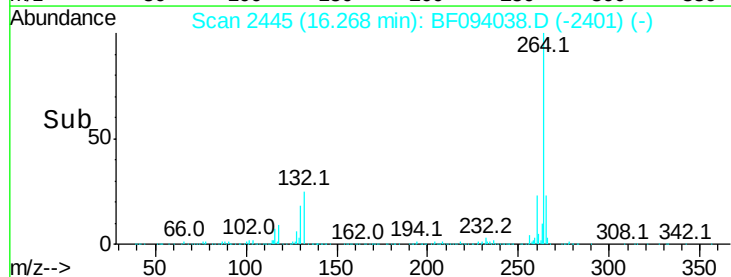
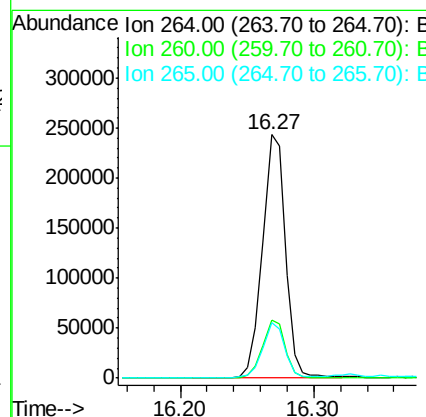
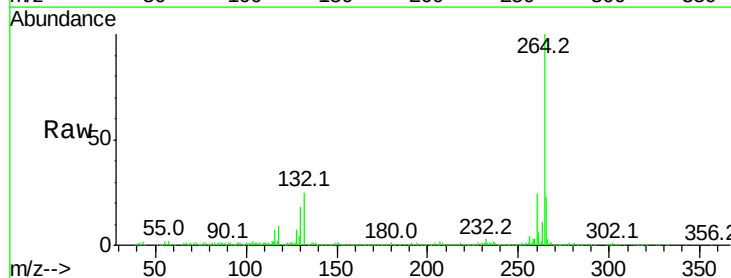
Manual Integrations
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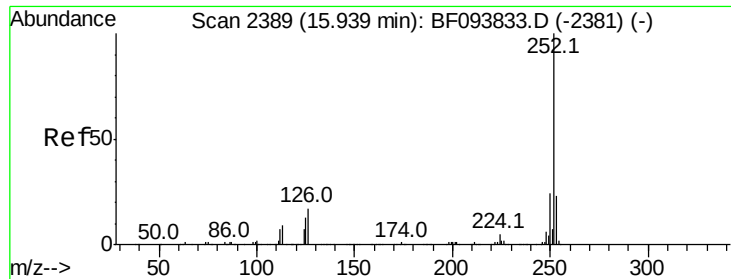
mohammad
 3/30/2017 2:33:03 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.27 min Scan# 2445
 Delta R.T. -0.04 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.87 ng m

RT: 15.86 min Scan# 2376

Delta R.T. -0.04 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Instrument :

BNA_F

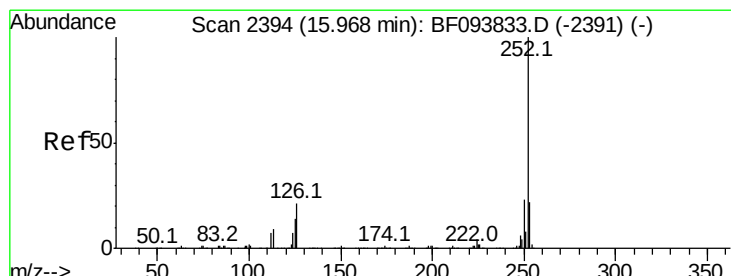
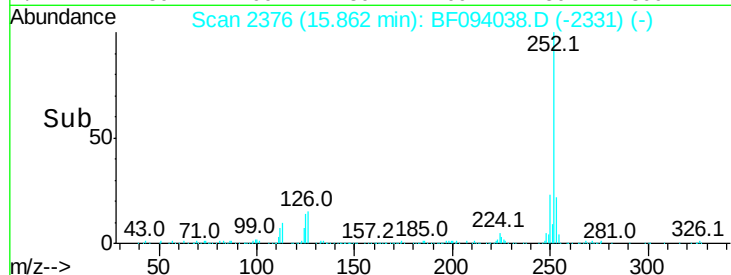
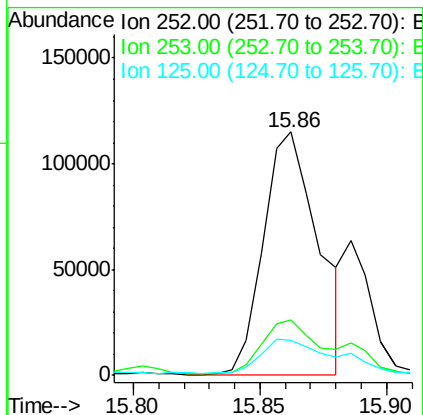
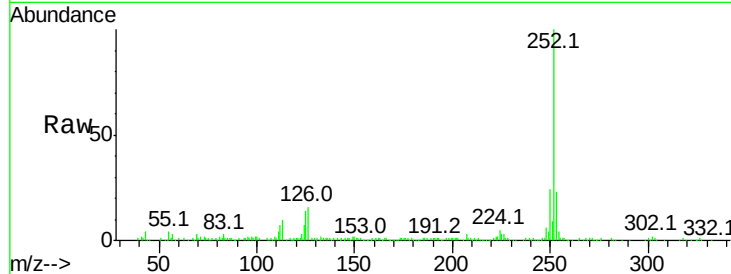
ClientSampled :

E2-BB10-BASE

Tot Ion:	252	Resp:	174490
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.1	27.1
125	14.4	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.83 ng m

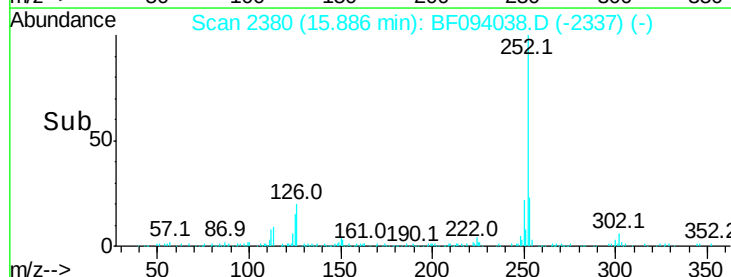
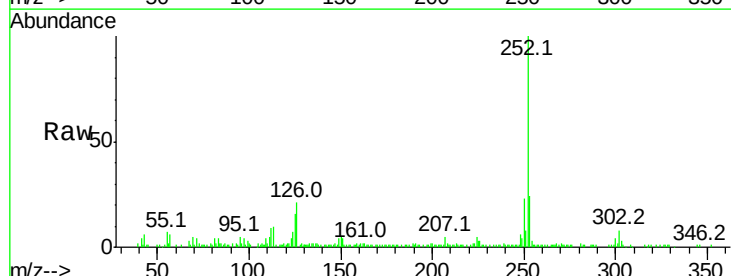
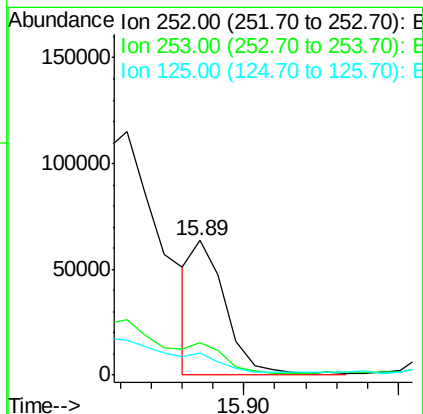
RT: 15.89 min Scan# 2380

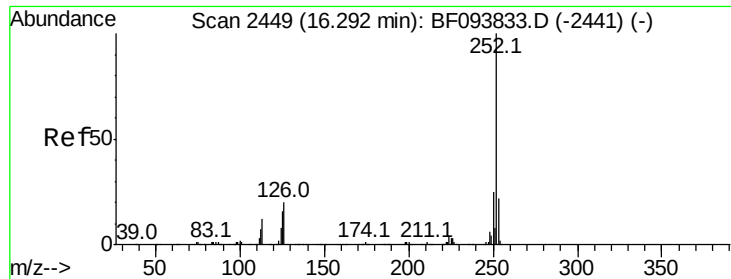
Delta R.T. -0.05 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Tgt Ion:	252	Resp:	48921
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.4	27.6
125	16.0	13.1	19.7





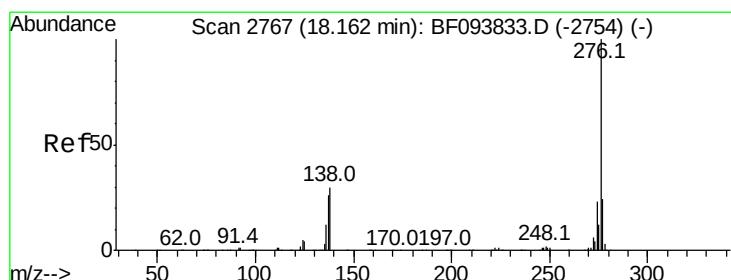
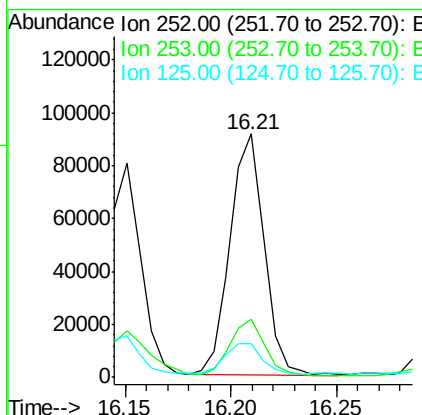
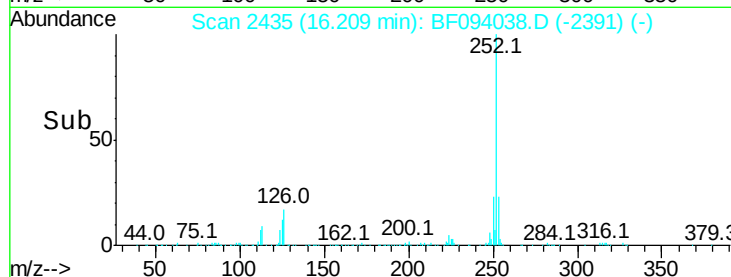
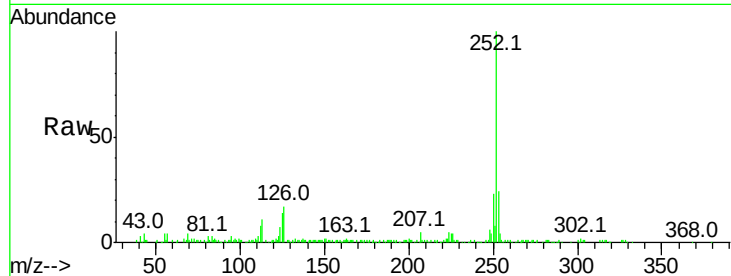
#89
Benzo(a)pyrene
Concen: 6.25 ng
RT: 16.21 min Scan# 2435
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	13.7	11.0	16.4

Manual Integrations
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3/30/2017 2:33:03 PM



#91
Benzo(g,h,i)perylene
Concen: 4.80 ng
RT: 18.02 min Scan# 2743
Delta R.T. -0.08 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	28.0
138	31.2	25.4	38.0

