

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094252.D
 Acq On : 7 Apr 2017 4:38
 Operator : SJ/MA
 Sample : I2574-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-S1(0-2)

Manual Integrations
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 4/7/2017 5:21:13 PM

Quant Time: Apr 07 05:20:02 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	5.85	152	176779	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	685151	20.00	ng	-0.01
38) Acenaphthene-d10	9.49	164	291571	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	449163	20.00	ng	0.00
75) Chrysene-d12	14.57	240	321732	20.00	ng	0.00
86) Perylene-d12	16.20	264	254191	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1138829	108.81	ng	0.00
7) Phenol-d6	5.46	99	1480352	114.33	ng	0.00
23) Nitrobenzene-d5	6.50	82	896744	74.69	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	265166	115.09	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1545745	80.86	ng	0.00
78) Terphenyl-d14	13.30	244	974454	67.89	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.47	94	80314	5.45	ng	93
48) Acenaphthylene	9.32	152	115180	3.76	ng	97
49) Dimethylphthalate	9.17	163	208893	10.08	ng	98
70) Phenanthrene	11.34	178	94729	3.79	ng	98
71) Anthracene	11.40	178	77914	3.03	ng	96
74) Fluoranthene	12.81	202	430819	16.84	ng	99
77) Pyrene	13.09	202	496732	21.27	ng	99
80) Benzo(a)anthracene	14.56	228	261840	13.96	ng	95
82) Chrysene	14.60	228	290218	16.67	ng	97
85) Indeno(1,2,3-cd)pyrene	17.53	276	153861	10.20	ng	95
87) Benzo(b)fluoranthene	15.80	252	400028m	25.67	ng	
88) Benzo(k)fluoranthene	15.82	252	106075m	6.96	ng	
89) Benzo(a)pyrene	16.14	252	244657	17.05	ng	# 96
90) Dibenzo(a,h)anthracene	17.54	278	38775	3.19	ng	# 78
91) Benzo(a,h,i)perylene	17.92	276	150898	12.32	ng	100

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

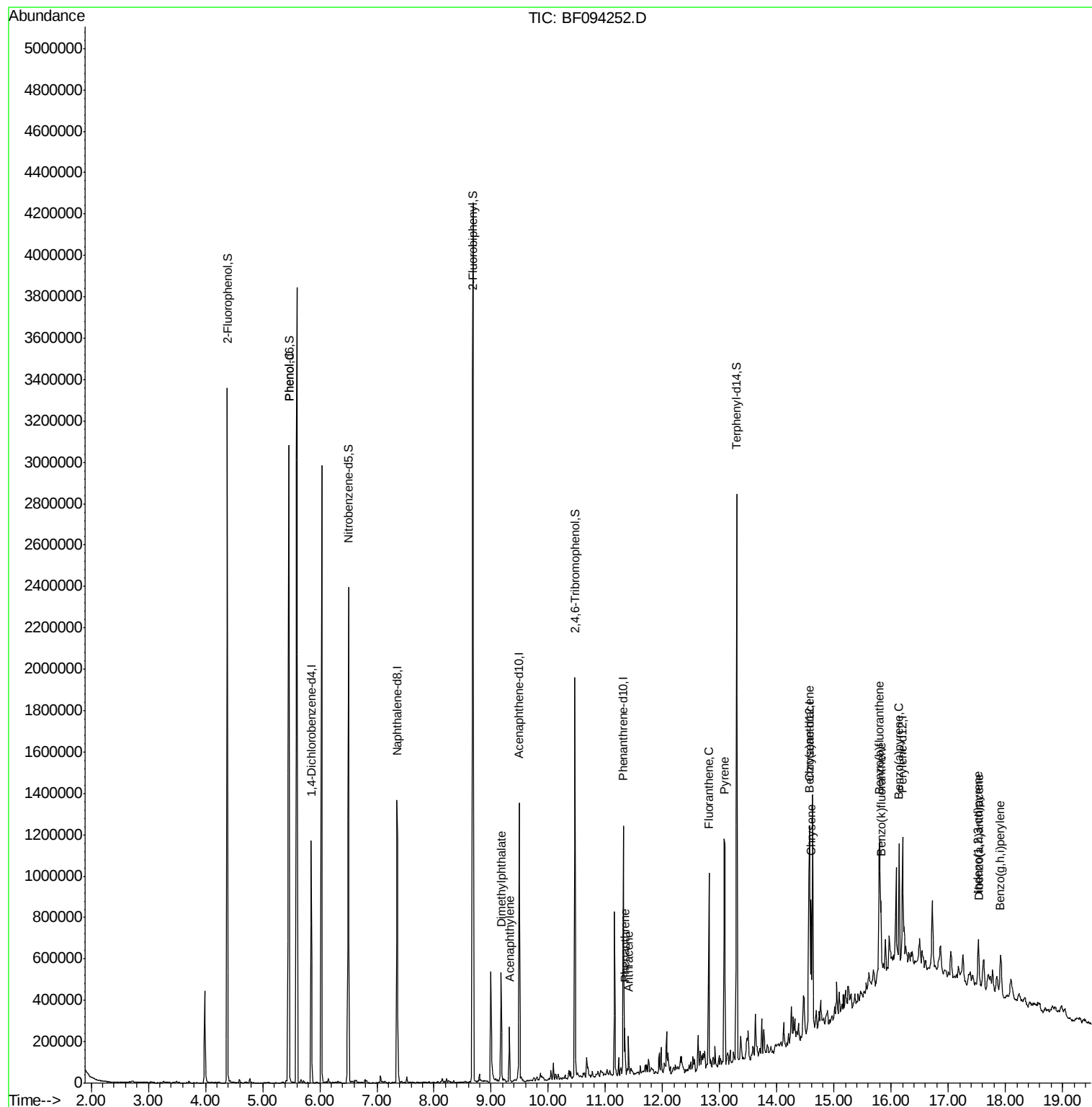
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
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ALS Vial : 34 Sample Multiplier: 1

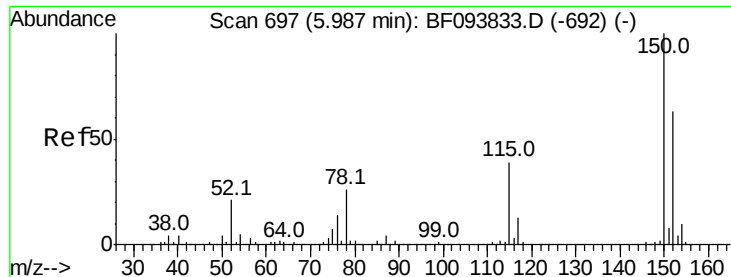
Instrument :
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Quant Time: Apr 07 05:20:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

Tot Ion:152 Resp: 176779

Ion Ratio Lower Upper

152 100

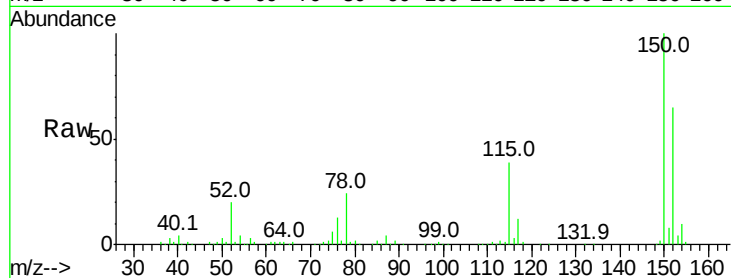
150 154.7 126.2 189.2

115 60.3 52.2 78.2

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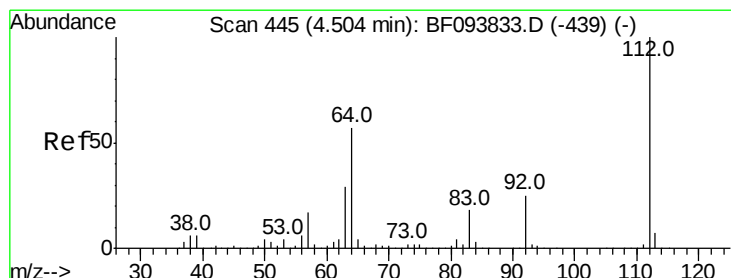
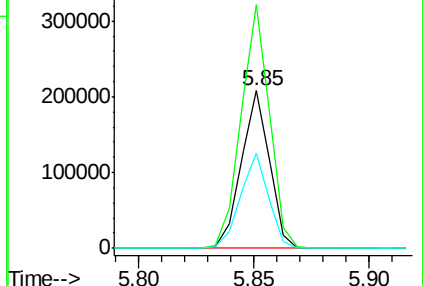
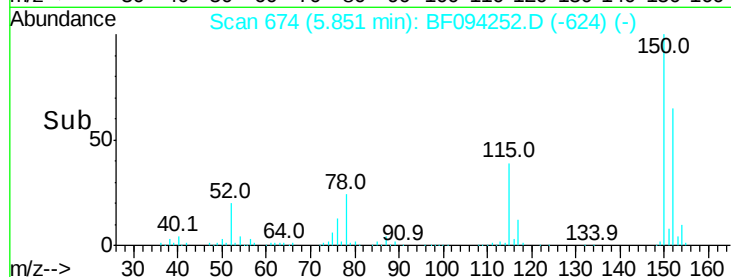
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 108.81 ng

RT: 4.39 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

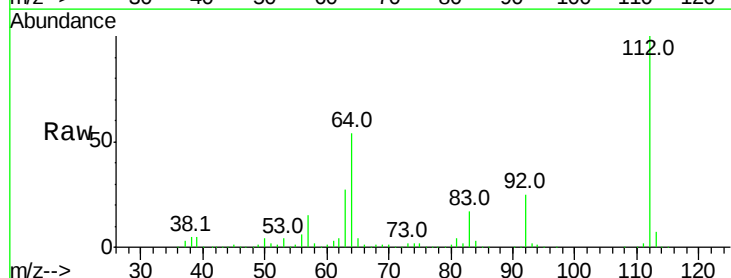
Tgt Ion:112 Resp: 1138829

Ion Ratio Lower Upper

112 100

64 54.4 46.0 69.0

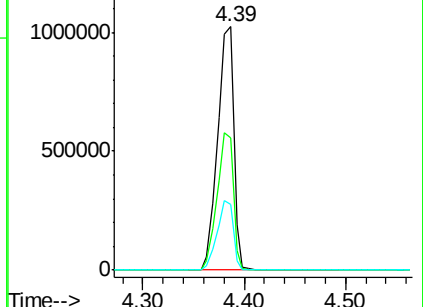
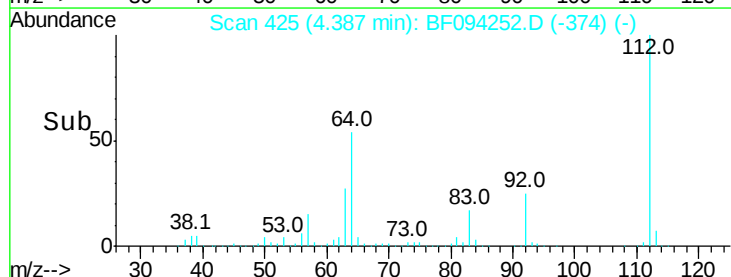
63 27.0 23.4 35.0

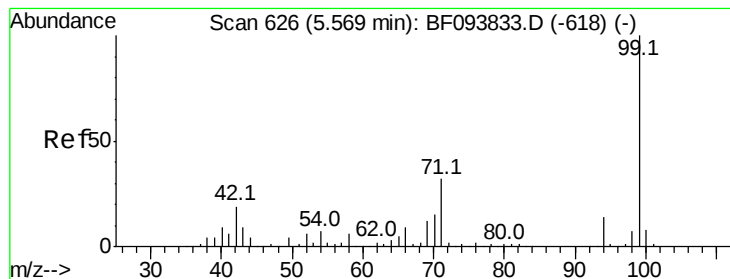


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.33 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

Tot Ion: 99 Resp: 1480352

Ion Ratio Lower Upper

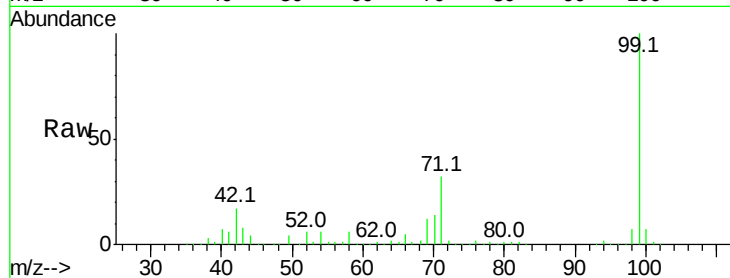
99 100

42 16.7 13.5 20.3

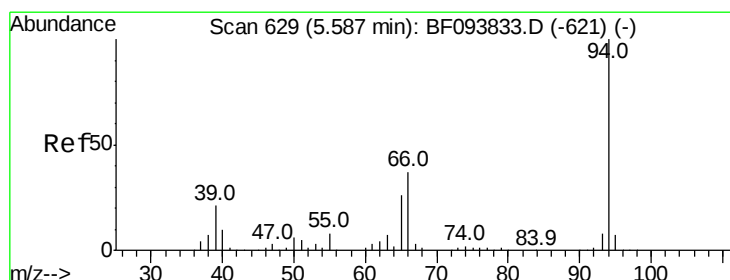
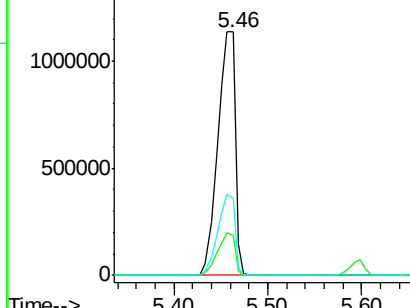
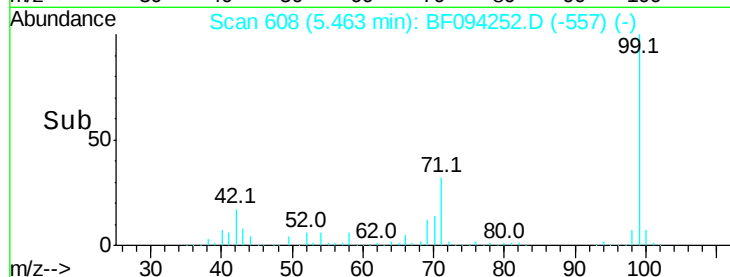
71 31.7 24.5 36.7

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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: 5.45 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

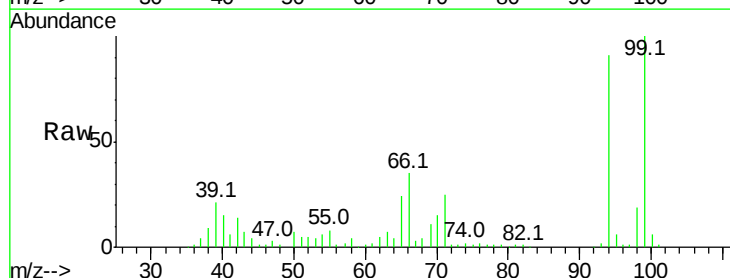
Tgt Ion: 94 Resp: 80314

Ion Ratio Lower Upper

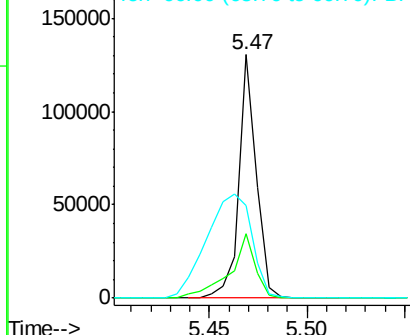
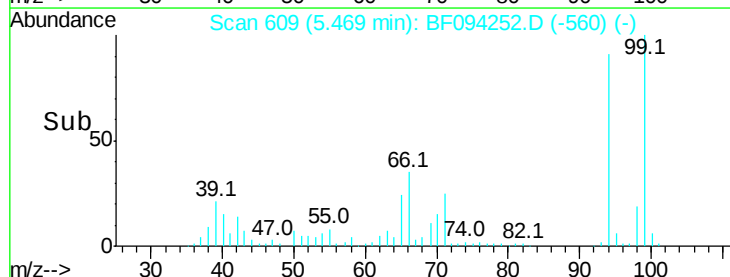
94 100

65 26.3 9.9 49.9

66 38.0 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: 7.35 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

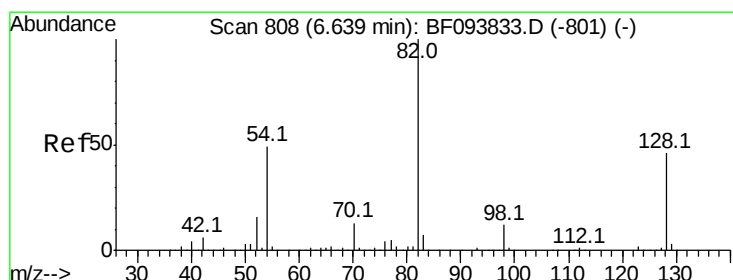
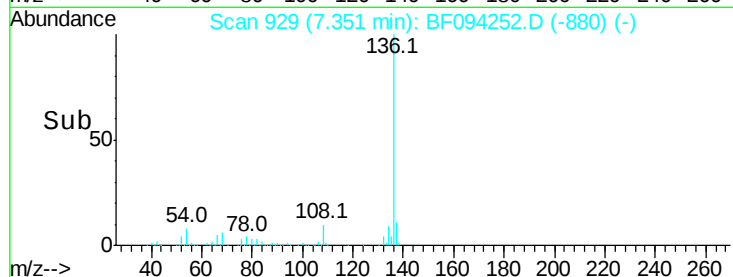
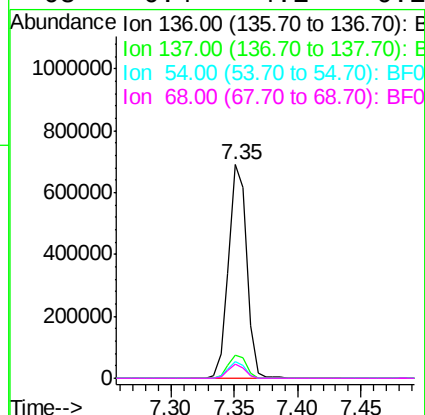
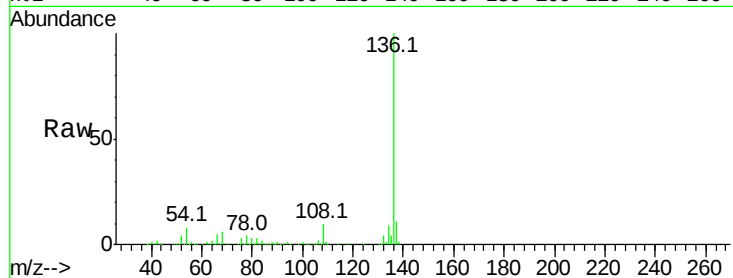
ClientSampleId :

B2-S1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	685151		
137	10.8	8.5	12.7	
54	7.8	4.9	7.3#	
68	6.4	4.1	6.1#	

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#23

Nitrobenzene-d5

Concen: 74.69 ng

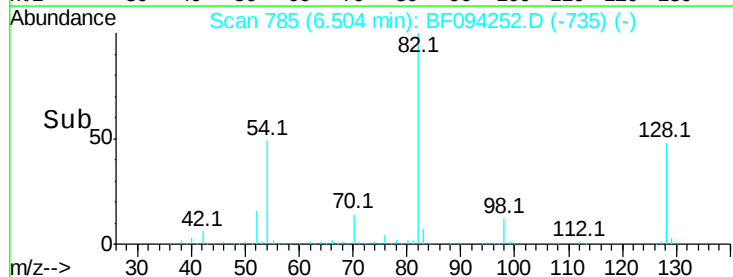
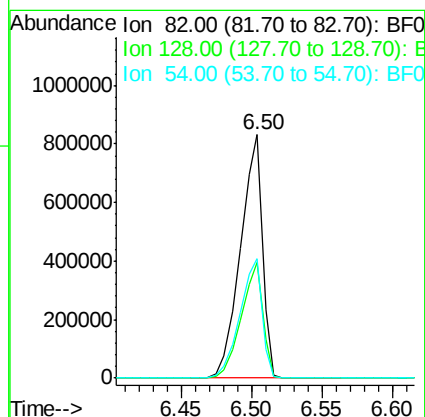
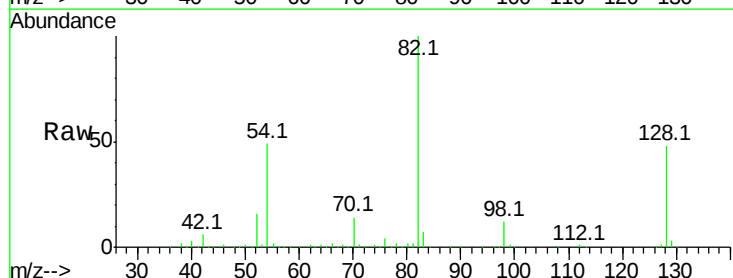
RT: 6.50 min Scan# 785

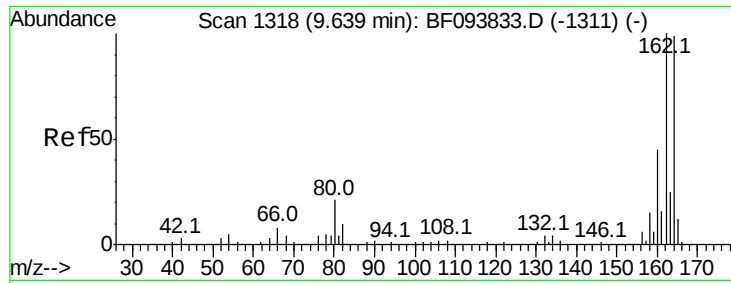
Delta R.T. -0.01 min

Lab File: BF094252.D

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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	896744		
128	47.6	34.0	51.0	
54	48.8	42.2	63.2	





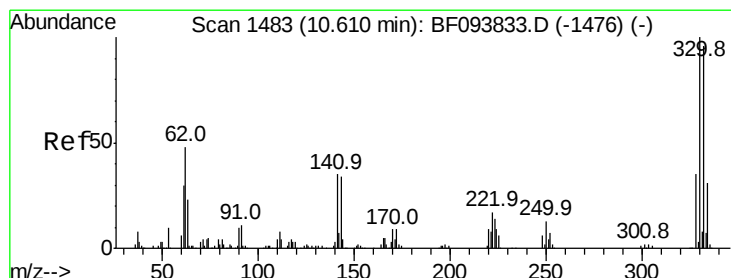
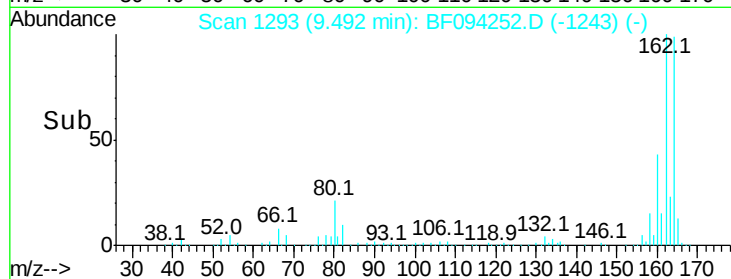
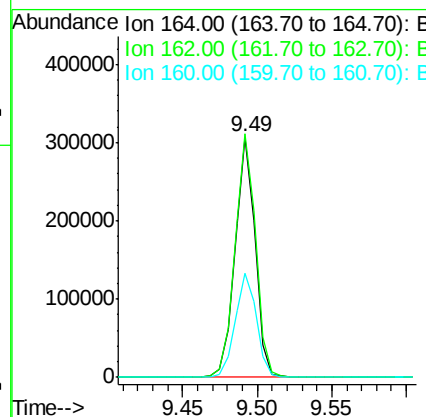
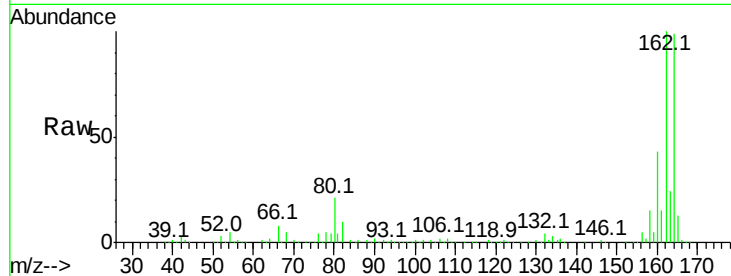
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :
 B2-S1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	291571		
162	101.4	82.6	123.8	
160	43.4	36.2	54.2	

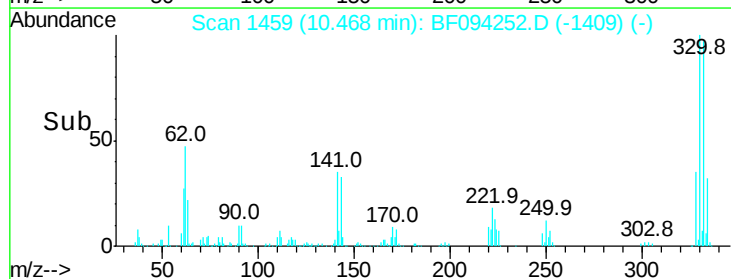
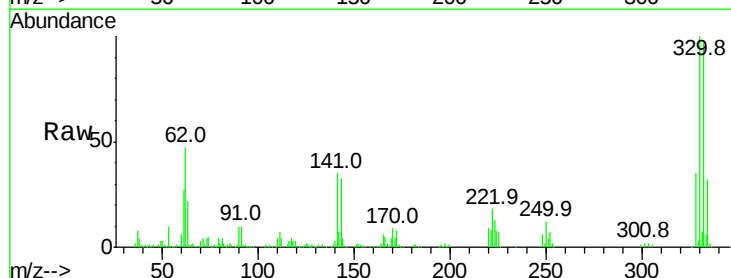
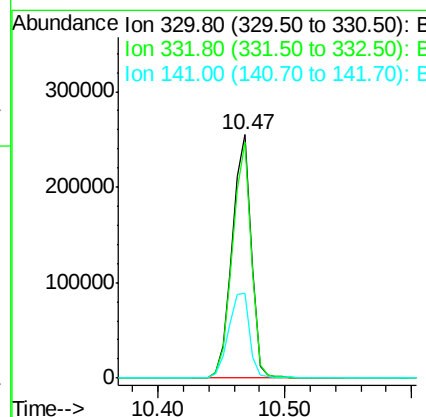
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#41
 2,4,6-Tribromophenol
 Concen: 115.09 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	265166		
332	95.8	76.6	115.0	
141	38.1	31.4	47.2	





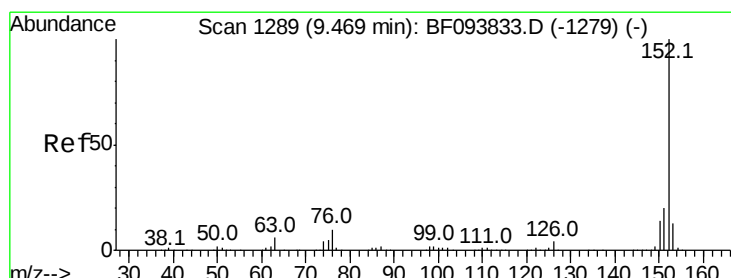
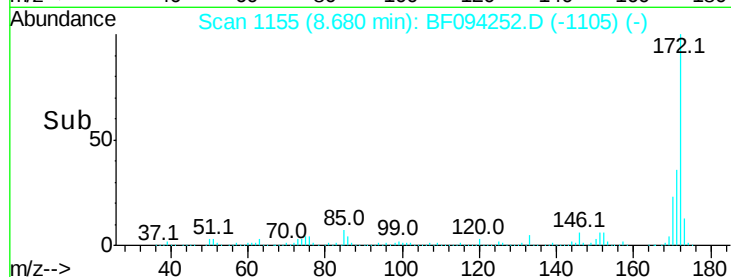
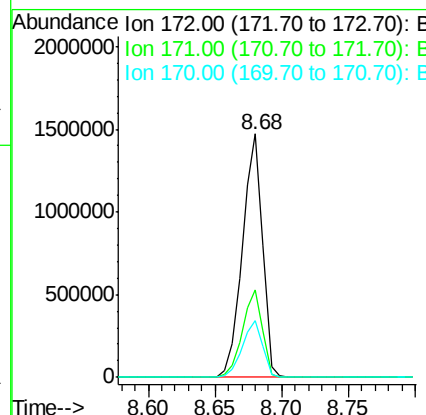
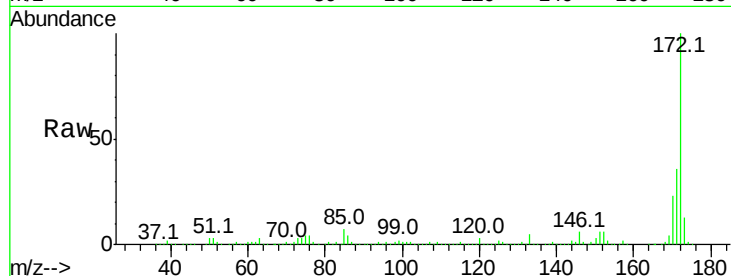
#44
 2-Fluorobiphenyl
 Concen: 80.86 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :
 B2-S1(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.3	19.8	29.8

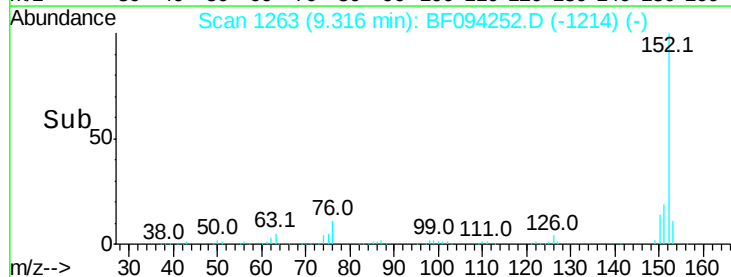
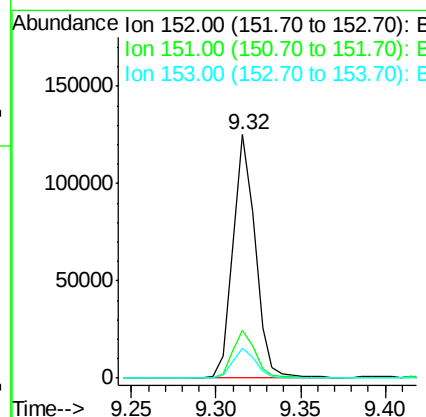
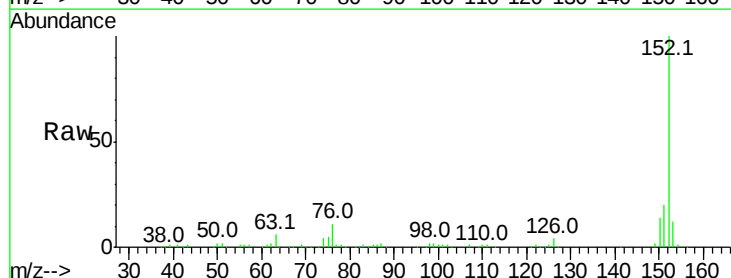
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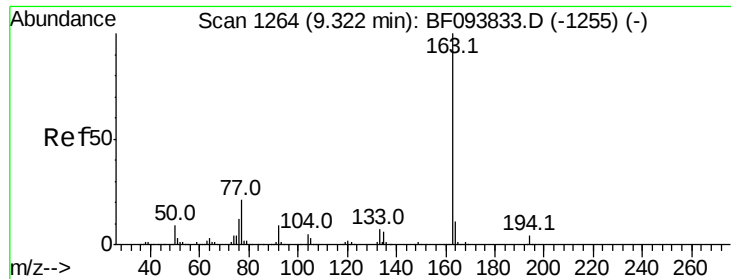
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#48
 Acenaphthylene
 Concen: 3.76 ng
 RT: 9.32 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BF094252.D
 Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	12.4	10.8	16.2





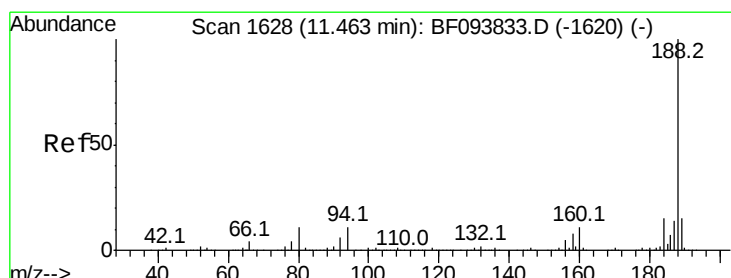
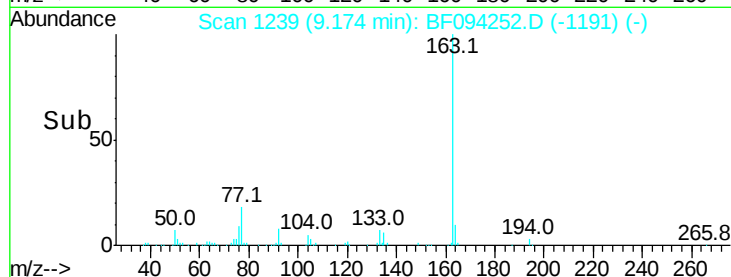
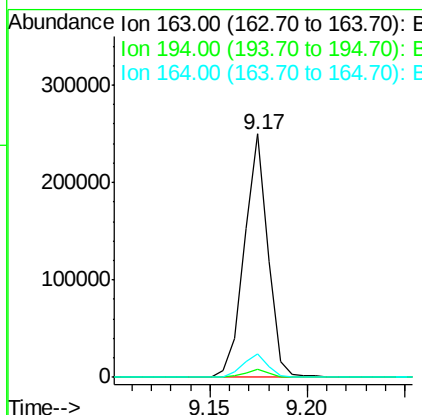
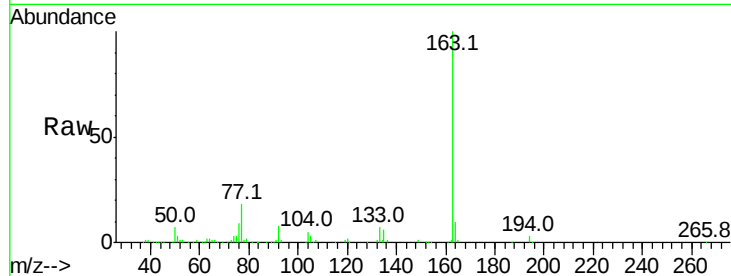
#49
Dimethylphthalate
Concen: 10.08 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	208893		
194	3.2		2.6	4.0
164	9.6		8.4	12.6

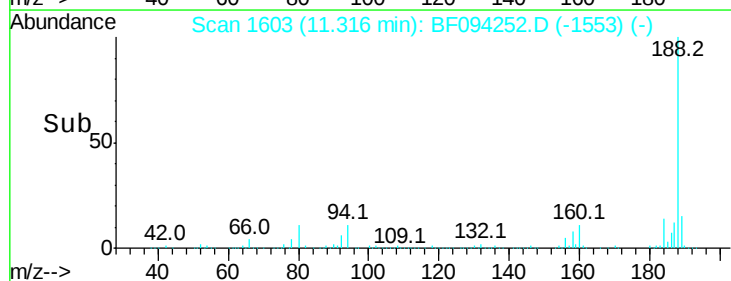
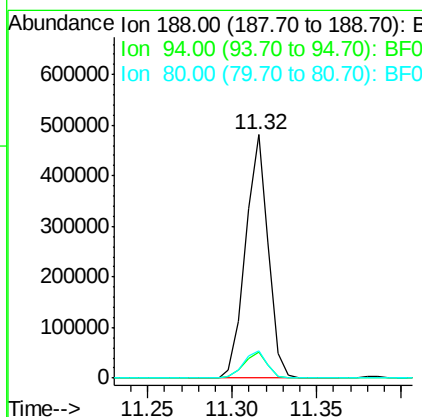
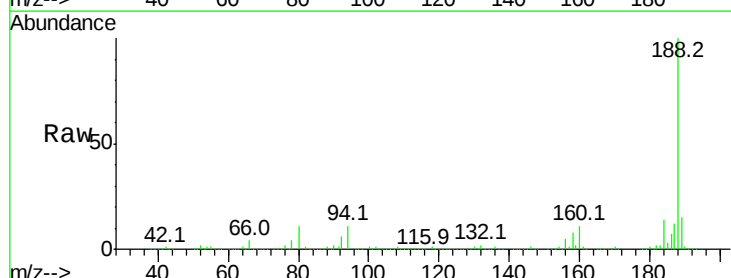
Manual Integrations
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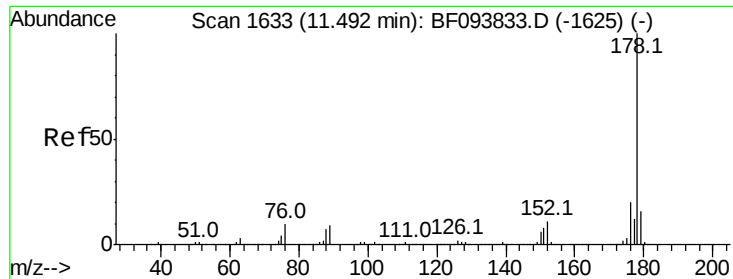
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	449163		
94	10.7		9.4	14.2
80	11.3		10.2	15.2





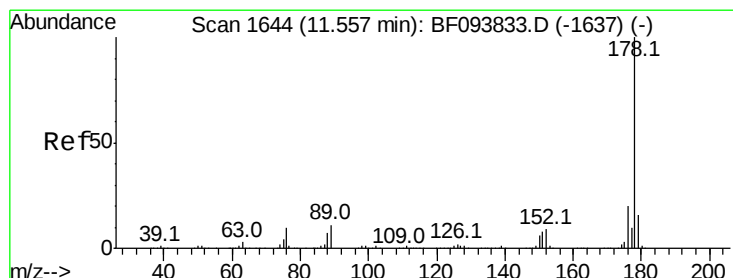
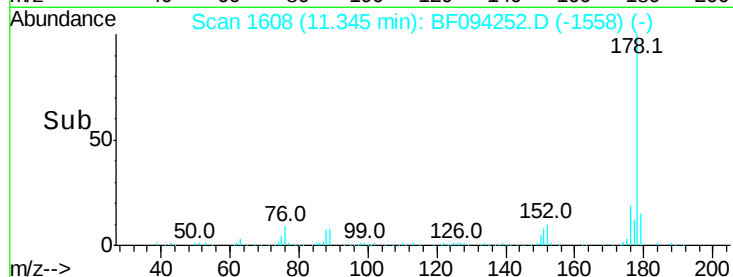
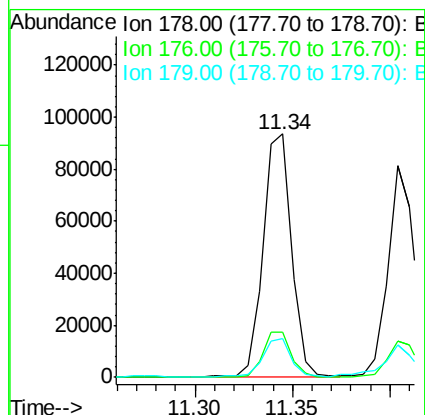
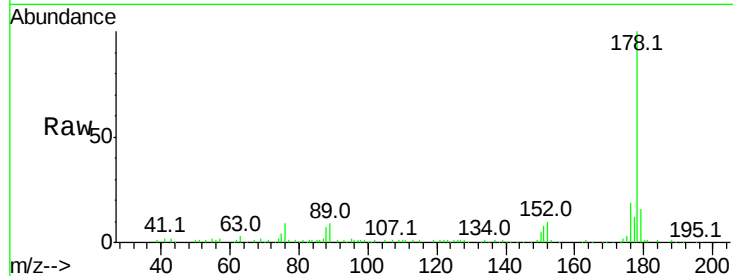
#70
Phenanthrene
Concen: 3.79 ng
RT: 11.34 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.9	12.6	19.0

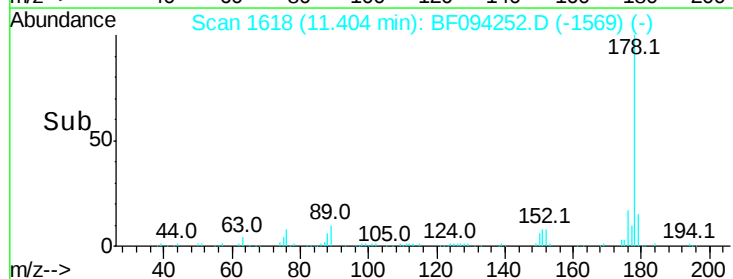
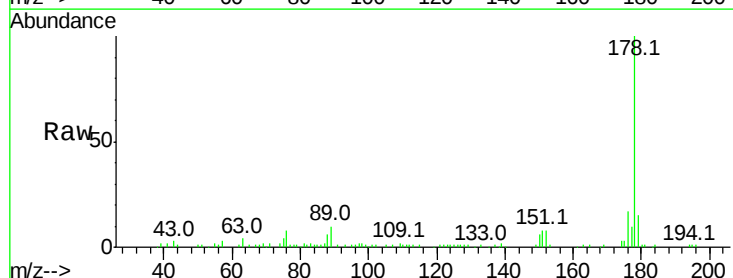
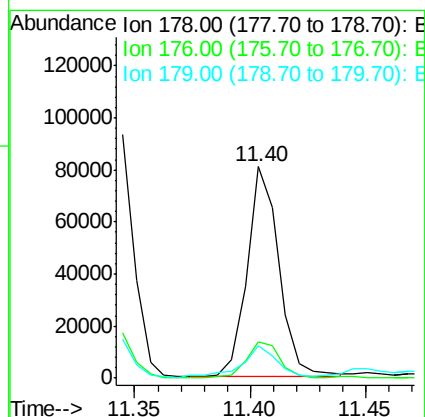
Manual Integrations
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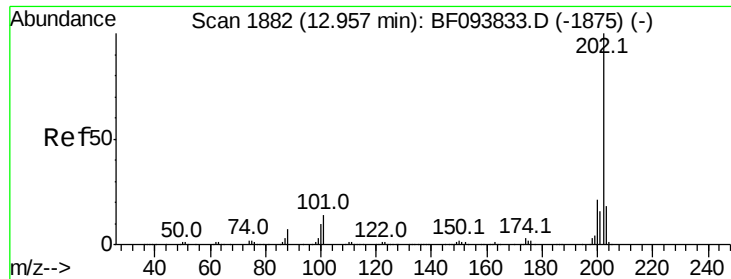
mohammad
4/7/2017 5:21:13 PM



#71
Anthracene
Concen: 3.03 ng
RT: 11.40 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	15.4	12.7	19.1





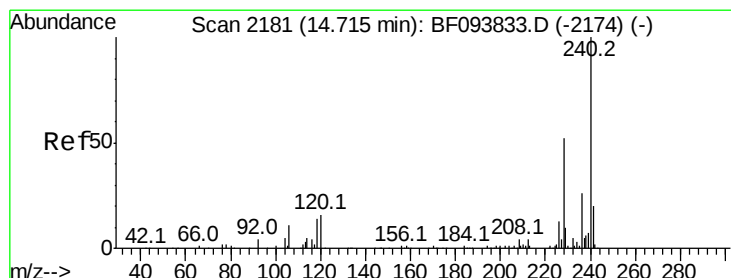
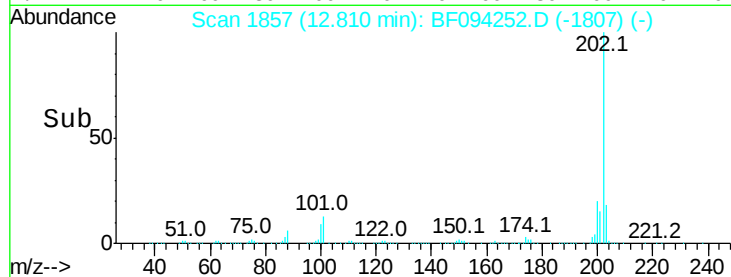
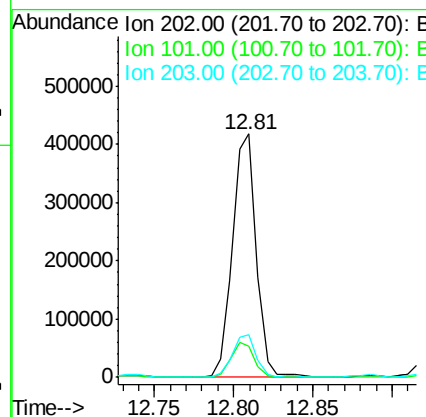
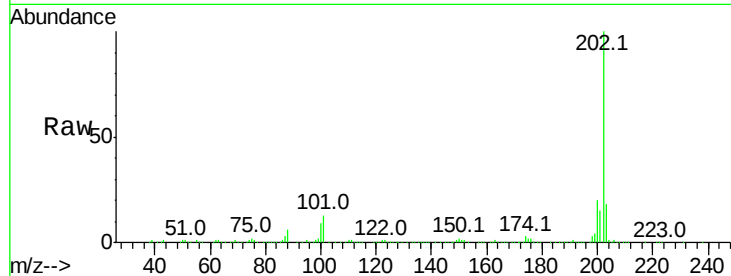
#74
Fluoranthene
Concen: 16.84 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.7	0.0	38.1

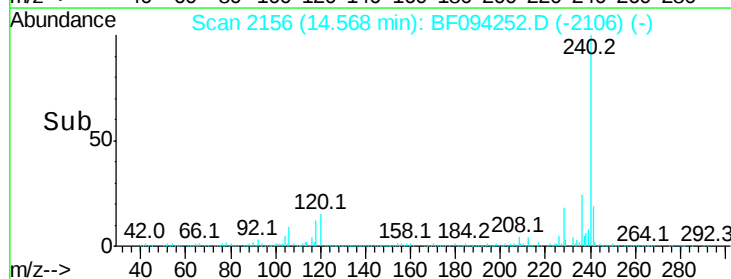
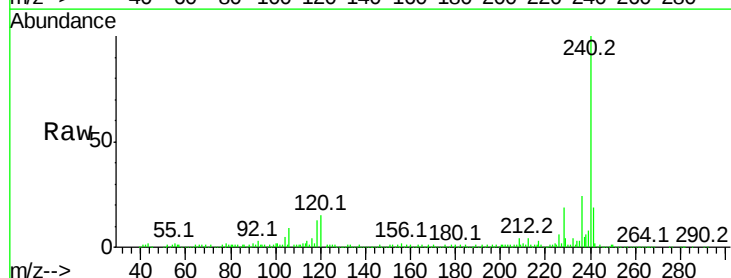
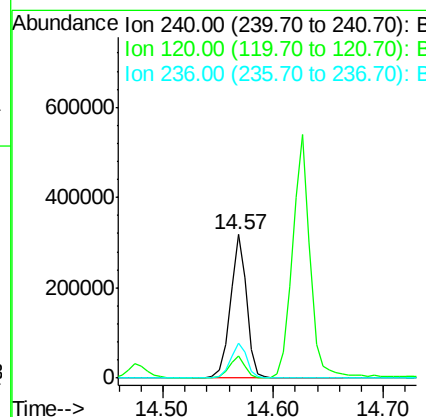
Manual Integrations
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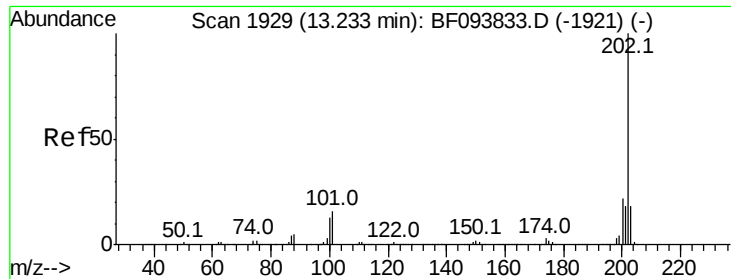
mohammad
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.57 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	24.2	20.5	30.7





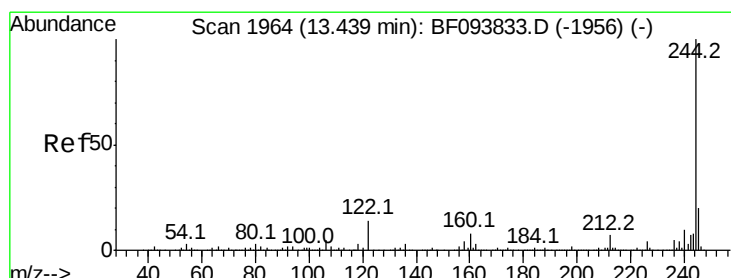
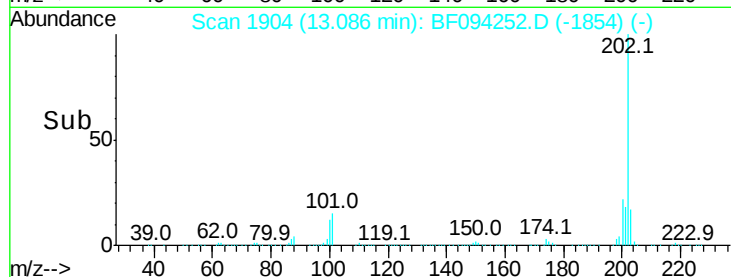
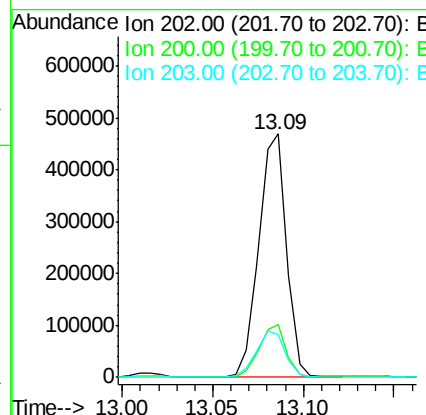
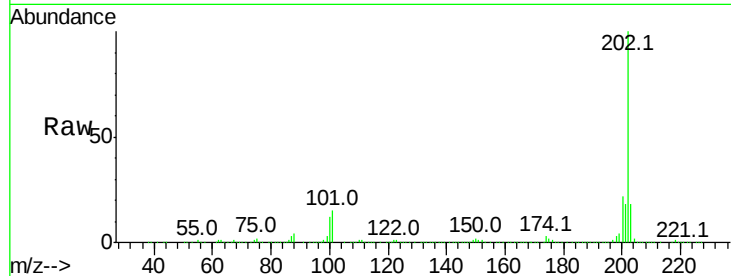
#77
Pvrene
Concen: 21.27 ng
RT: 13.09 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	17.5	14.4	21.6

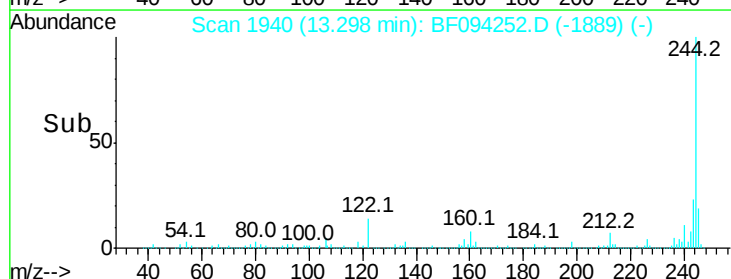
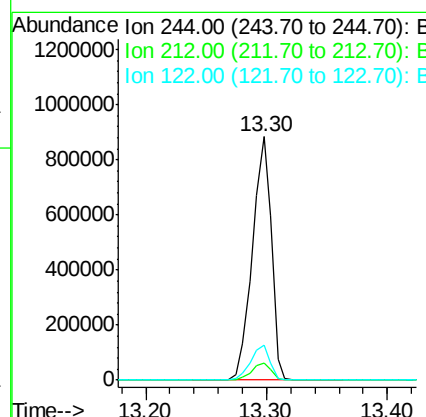
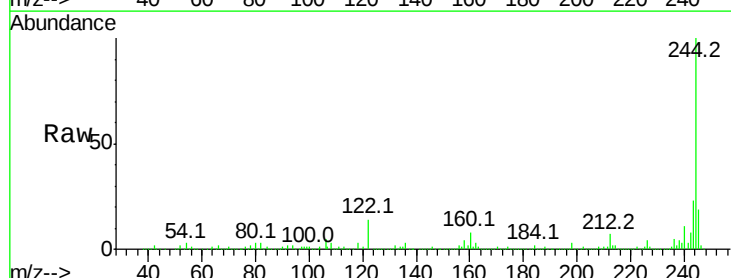
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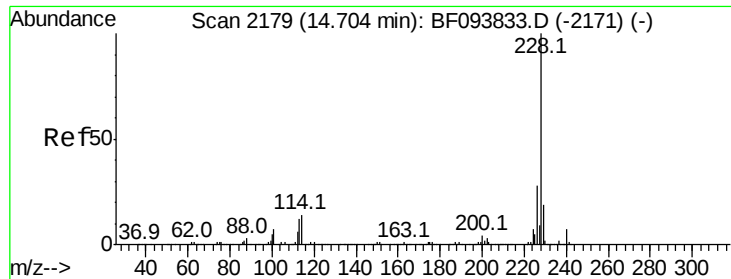
mohammad
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#78
Terphenyl-d14
Concen: 67.89 ng
RT: 13.30 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.4	10.3	15.5





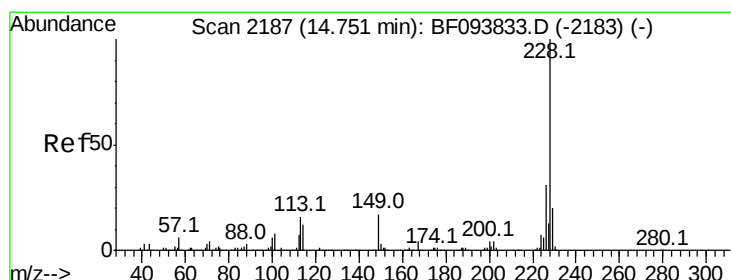
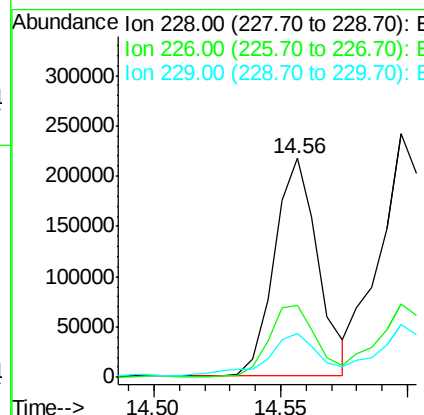
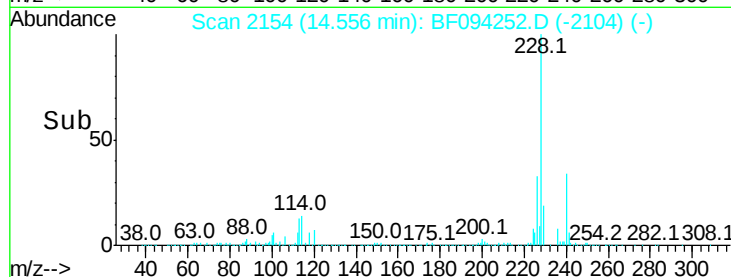
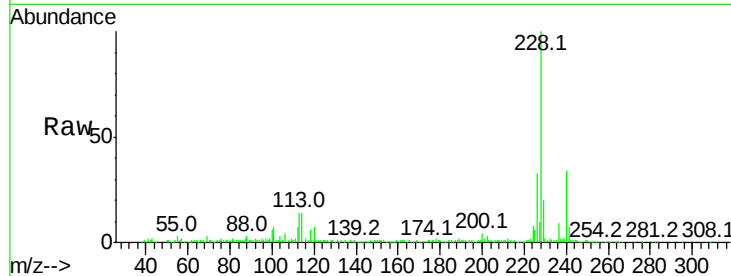
#80
Benzo(a)anthracene
Concen: 13.96 ng
RT: 14.56 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.6	33.8
229	20.4	16.3	24.5

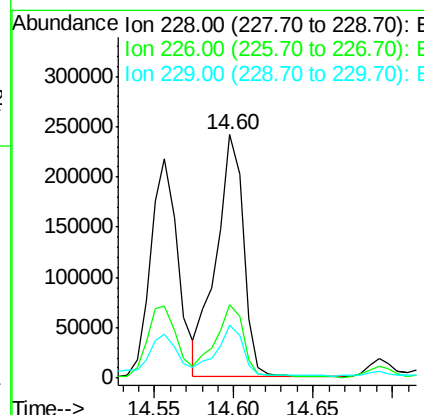
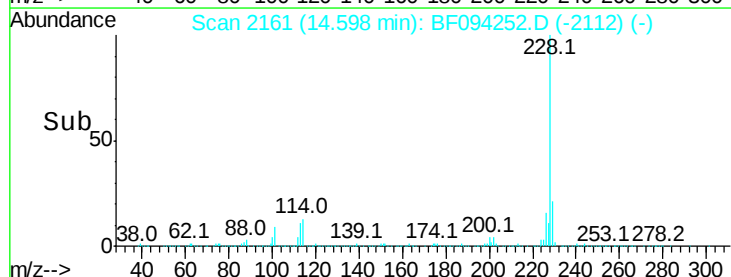
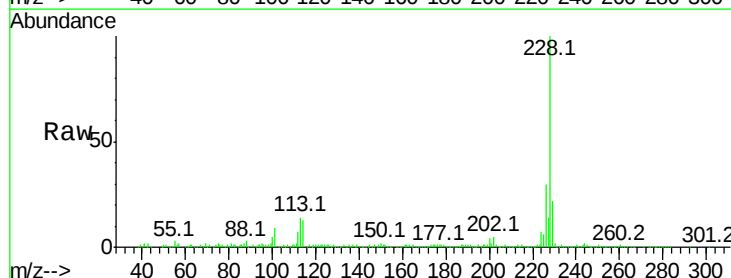
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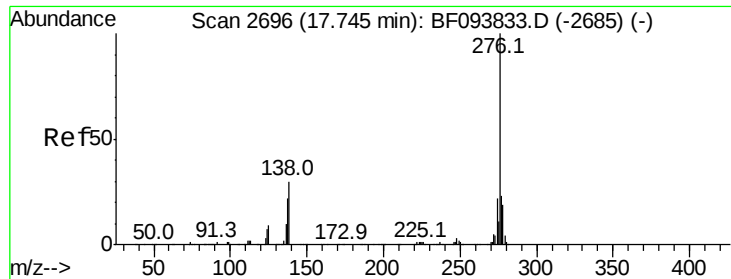
mohammad
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#82
Chrysene
Concen: 16.67 ng
RT: 14.60 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	21.5	15.8	23.6





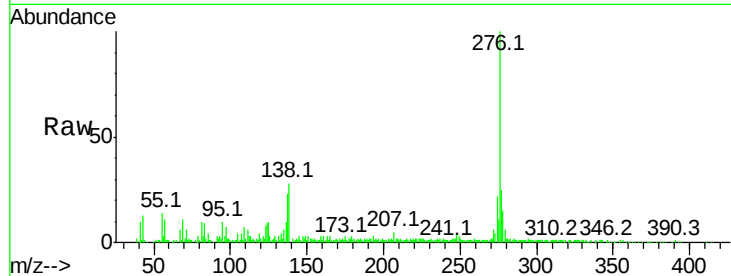
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.20 ng
RT: 17.53 min Scan# 2659
Delta R.T. 0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	27.8	41.6
277	24.7	20.2	30.4

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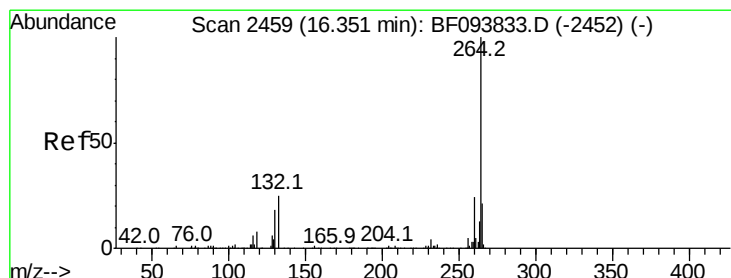
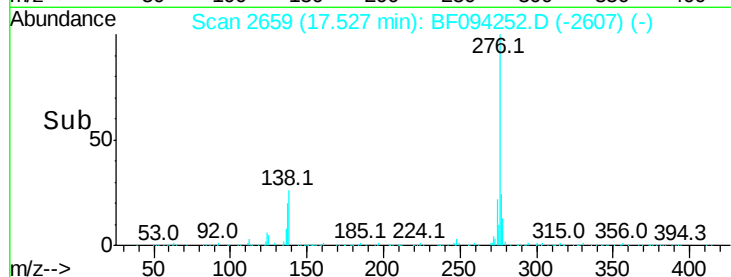
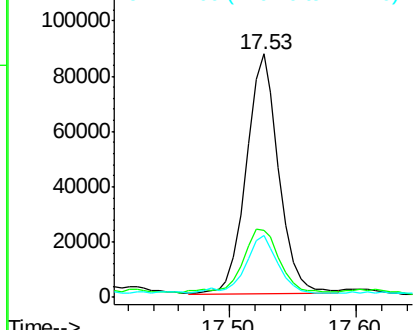


Abundance

Ion 276.00 (275.70 to 276.70): E

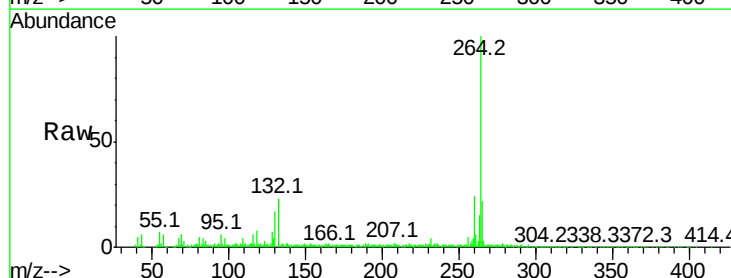
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.4	17.2	25.8

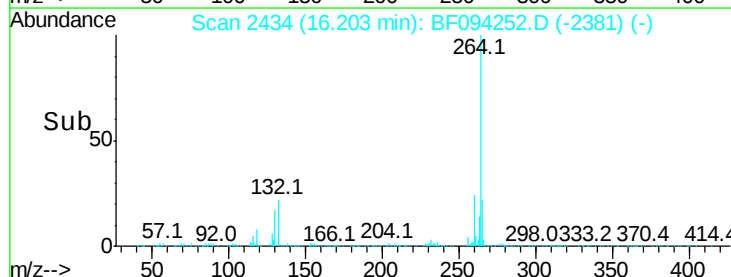
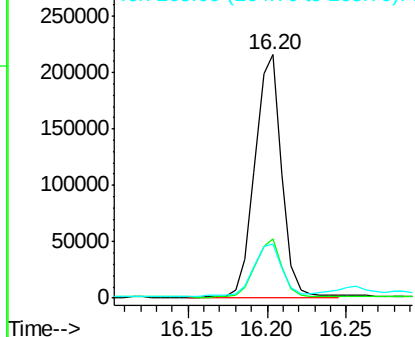


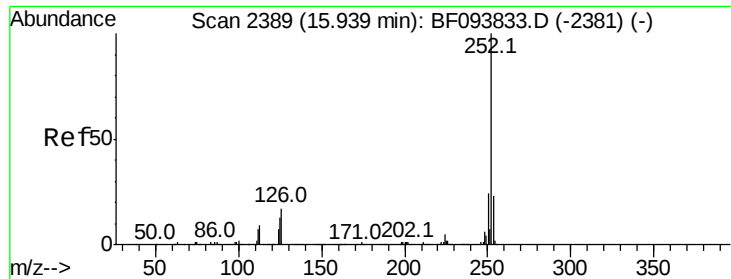
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 25.67 ng m

RT: 15.80 min Scan# 2365

Delta R.T. 0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

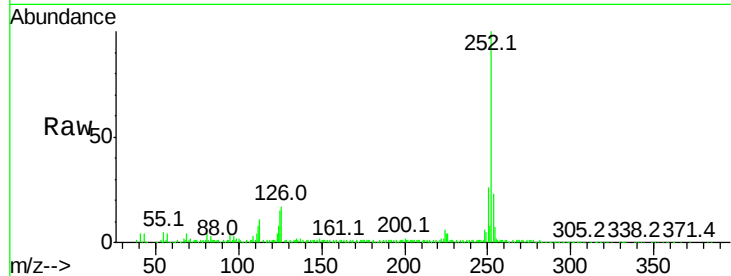
ClientSampleId :

B2-S1(0-2)

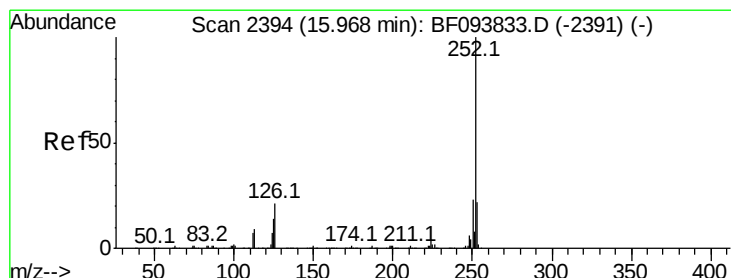
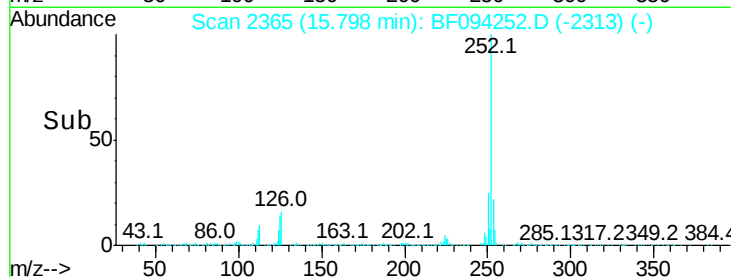
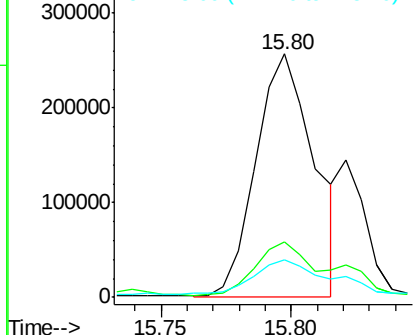
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.4	9.8	14.8

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.96 ng m

RT: 15.82 min Scan# 2369

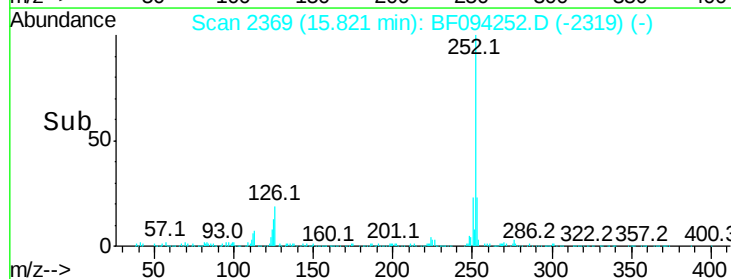
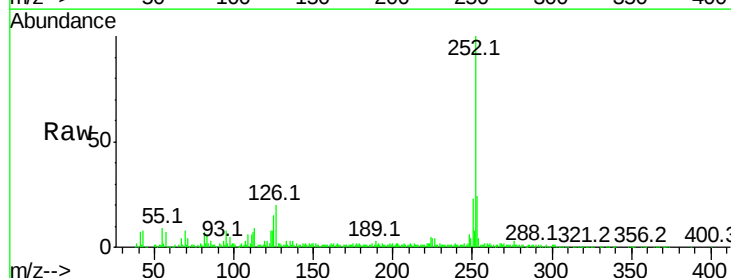
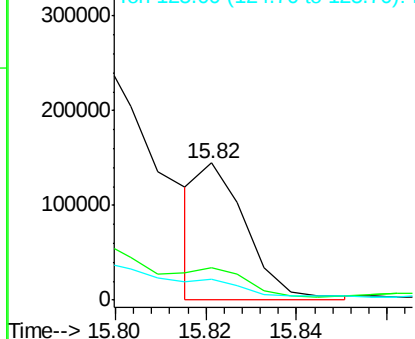
Delta R.T. -0.01 min

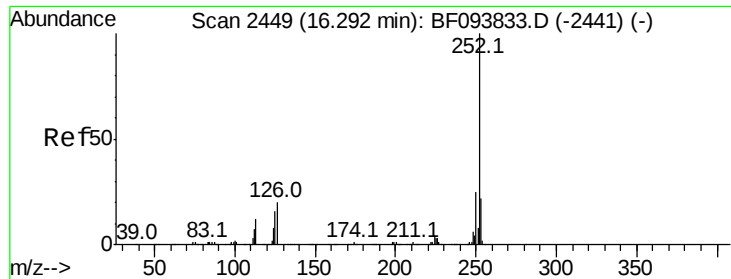
Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	14.9	13.1	19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





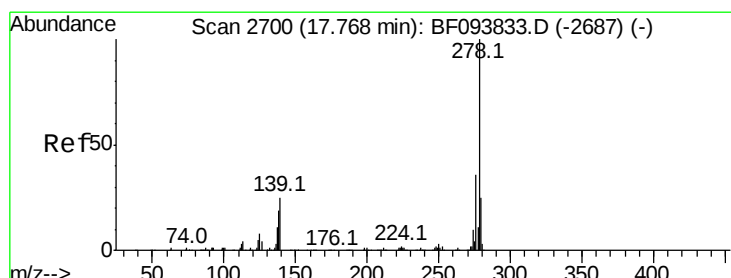
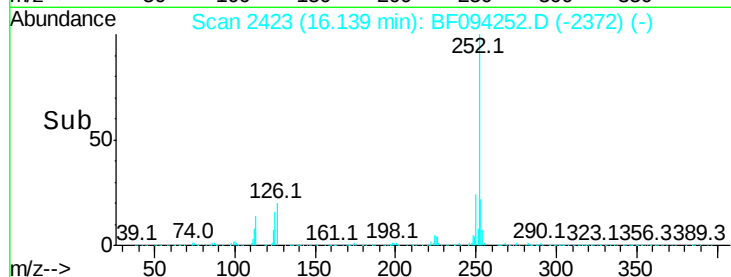
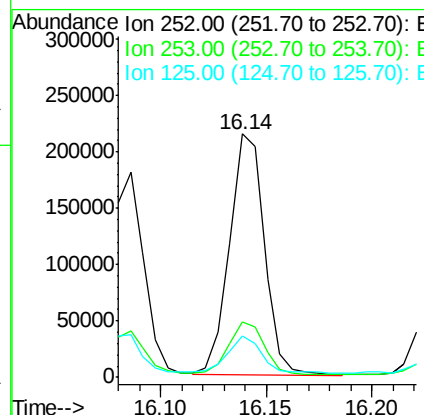
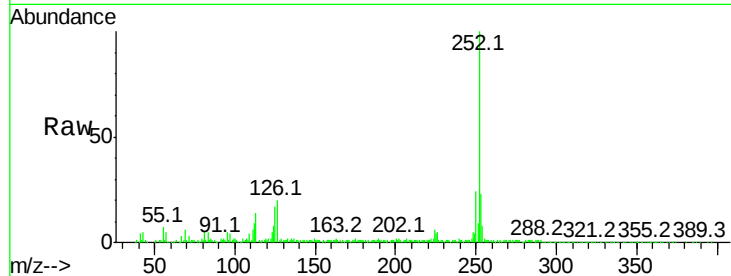
#89
Benzo(a)pyrene
Concen: 17.05 ng
RT: 16.14 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Instrument :
BNA_F
ClientSampleId :
B2-S1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	244657		
253	22.8		17.5	26.3
125	16.8		11.0	16.4#

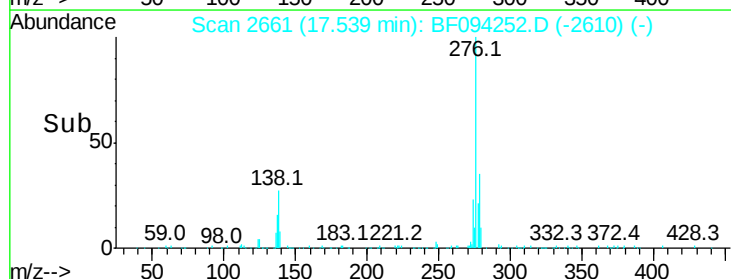
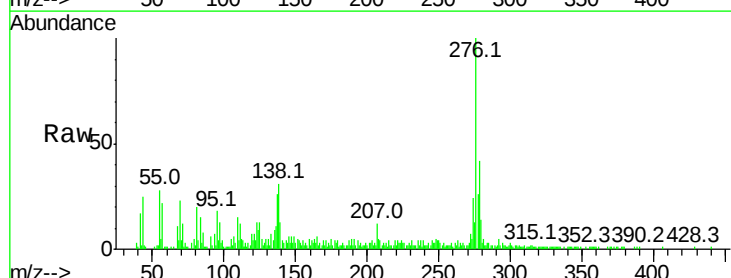
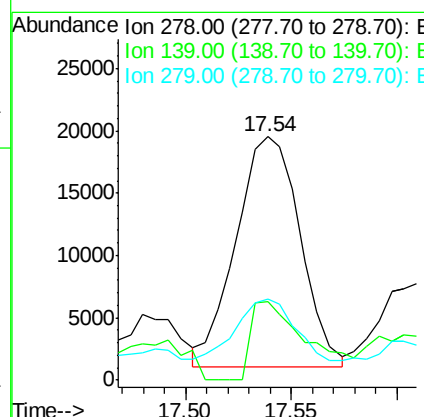
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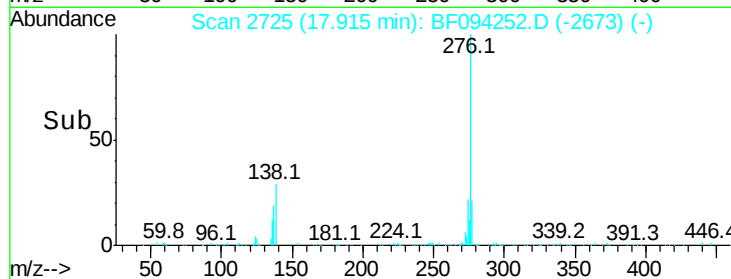
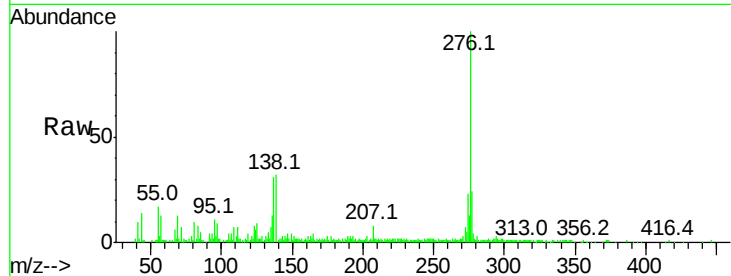
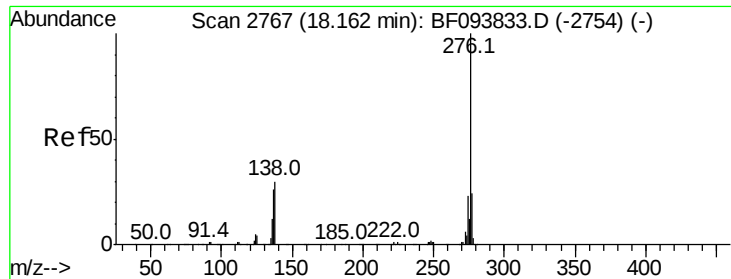
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 3.19 ng
RT: 17.54 min Scan# 2661
Delta R.T. -0.00 min
Lab File: BF094252.D
Acq: 7 Apr 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	38775		
139	32.3		16.6	24.8#
279	33.3		19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 12.32 ng

RT: 17.92 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BF094252.D

Acq: 7 Apr 2017 4:38

Instrument :

BNA_F

ClientSampleId :

B2-S1(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	31.6	25.4	38.0

Manual Integrations
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