

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
 Data File : BF094208.D
 Acq On : 5 Apr 2017 23:56
 Operator : SJ/MA
 Sample : I2487-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-2-3-4

Manual Integrations
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 4/6/2017 3:38:43 PM

Quant Time: Apr 06 02:31:50 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	5.86	152	188577	20.00	ng	-0.04
21) Naphthalene-d8	7.36	136	730522	20.00	ng	-0.05
38) Acenaphthene-d10	9.50	164	308688	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	479659	20.00	ng	-0.05
75) Chrysene-d12	14.58	240	340992	20.00	ng	-0.05
86) Perylene-d12	16.20	264	294740	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.41	112	1517546	135.92	ng	-0.02
7) Phenol-d6	5.48	99	1937973	140.31	ng	-0.03
23) Nitrobenzene-d5	6.52	82	1222074	95.47	ng	-0.04
41) 2,4,6-Tribromophenol	10.48	330	331031	135.71	ng	-0.04
44) 2-Fluorobiphenyl	8.69	172	1853696	91.59	ng	-0.04
78) Terphenyl-d14	13.31	244	1090204	71.66	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	9.19	163	175801	8.01	ng	99
70) Phenanthrene	11.36	178	288644	10.82	ng	96
71) Anthracene	11.42	178	63556	2.31	ng	96
74) Fluoranthene	12.82	202	316947	11.60	ng	97
77) Pyrene	13.09	202	249621	10.09	ng	98
80) Benzo(a)anthracene	14.56	228	115220m	5.79	ng	
82) Chrysene	14.61	228	111304m	6.03	ng	
83) Bis(2-ethylhexyl)phthalate	14.63	149	51092	3.55	ng	# 100
85) Indeno(1,2,3-cd)pyrene	17.53	276	45886	2.87	ng	94
87) Benzo(b)fluoranthene	15.80	252	126441m	7.00	ng	
88) Benzo(k)fluoranthene	15.83	252	49903m	2.82	ng	
89) Benzo(a)pyrene	16.14	252	85062	5.11	ng	99
91) Benzo(a,h,i)perylene	17.92	276	39719	2.80	ng	98

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

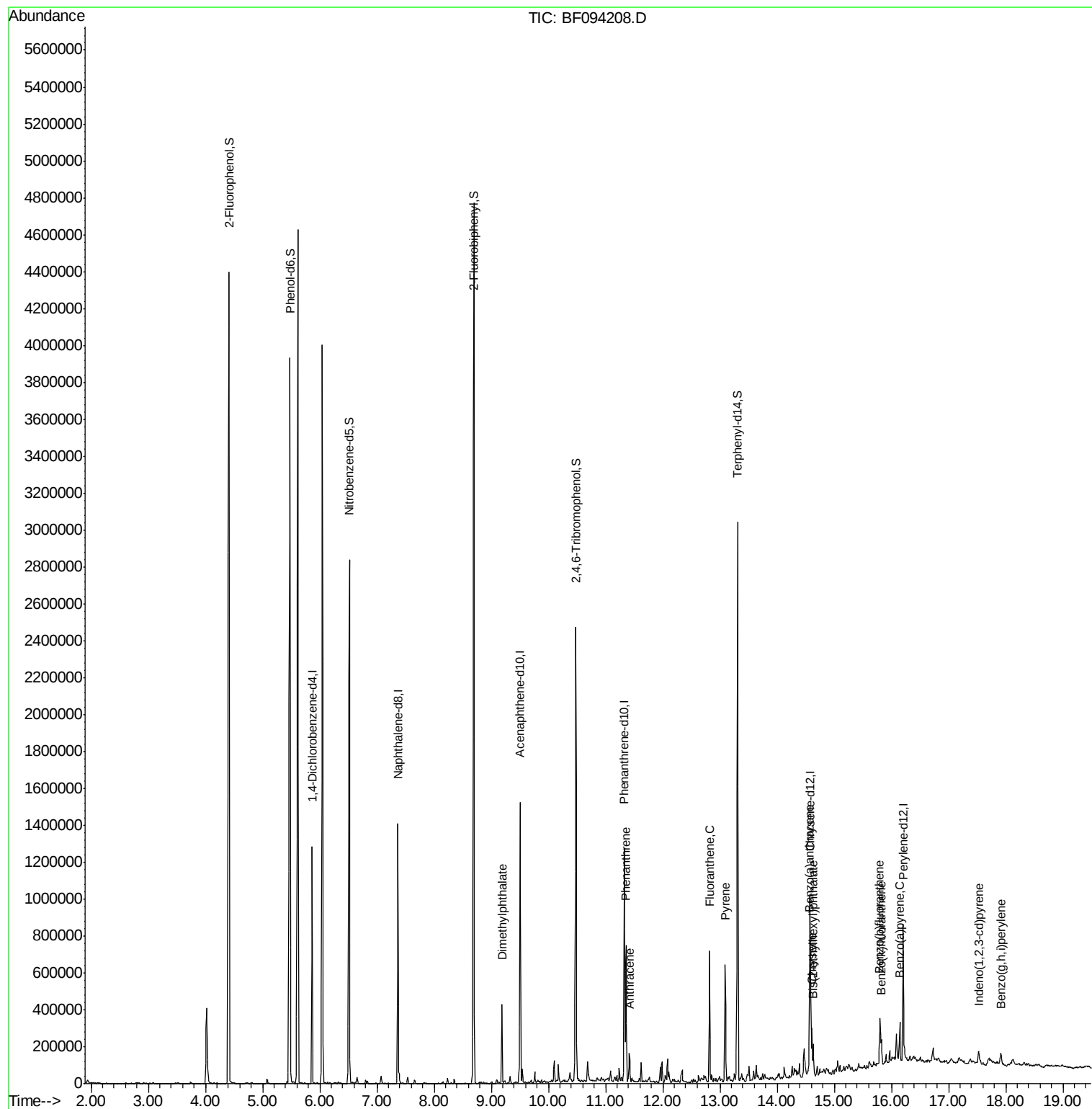
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
Data File : BF094208.D
Acq On : 5 Apr 2017 23:56
Operator : SJ/MA
Sample : I2487-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

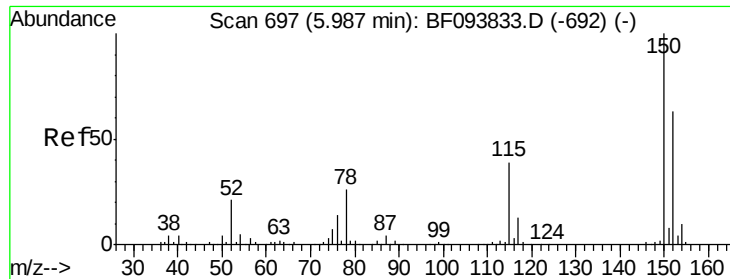
Instrument :
BNA_F
ClientSampled :
SB-1-2-3-4

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Quant Time: Apr 06 02:31:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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#1

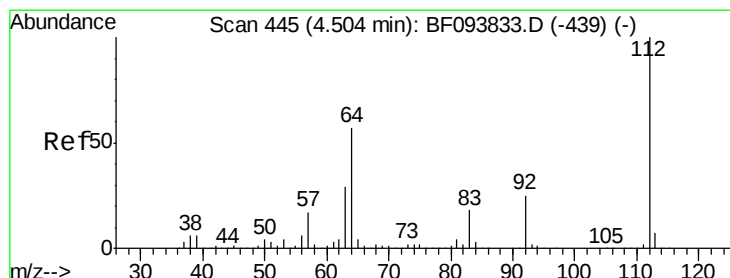
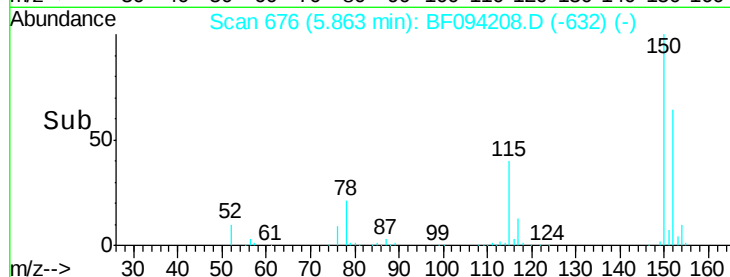
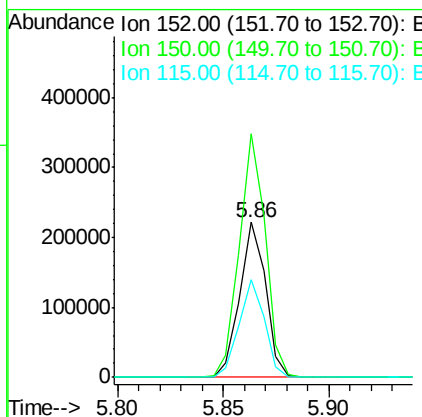
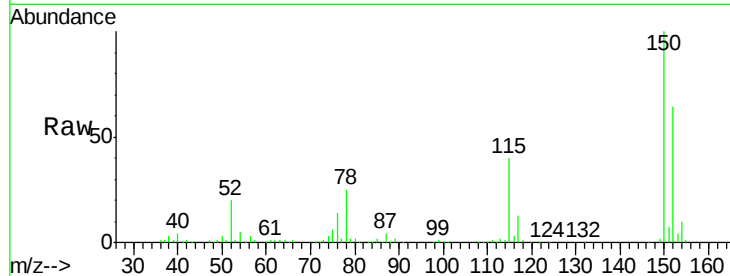
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.86 min Scan# 676
Delta R.T. -0.04 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	63.1	52.2	78.2

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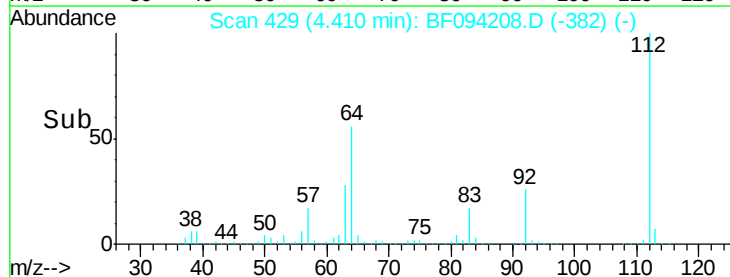
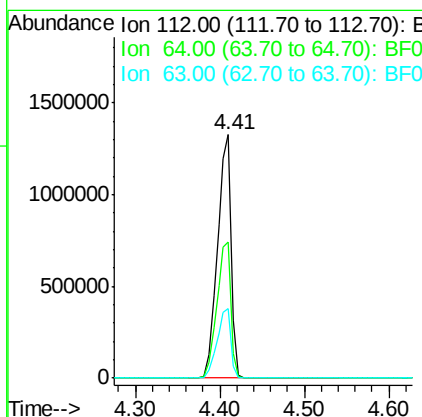
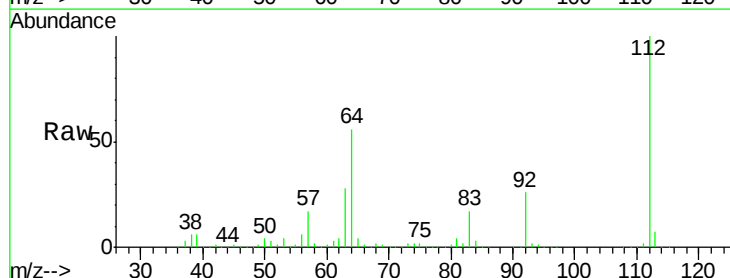
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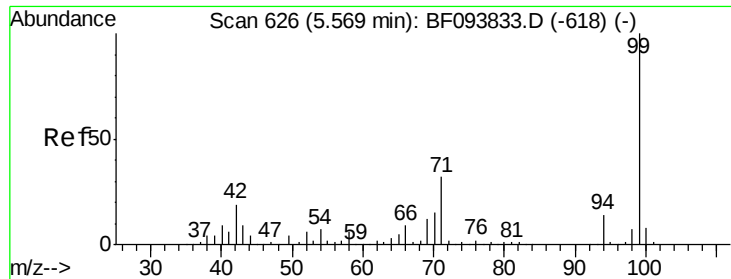


#5

2-Fluorophenol
Concen: 135.92 ng
RT: 4.41 min Scan# 429
Delta R.T. -0.02 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.0	69.0
63	28.3	23.4	35.0





#7

Phenol-d6

Concen: 140.31 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.03 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Instrument :

BNA_F

ClientSampleId :

SB-1-2-3-4

Tot Ion: 99 Resp: 1937973

Ion Ratio Lower Upper

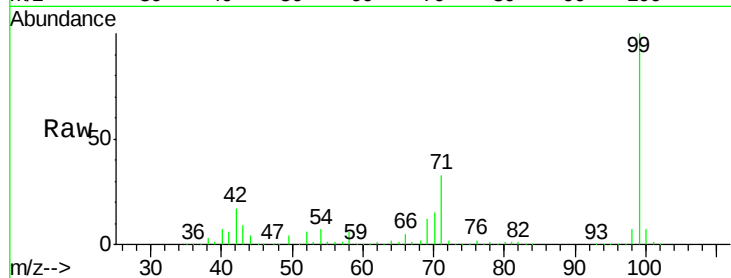
99 100

42 17.5 13.5 20.3

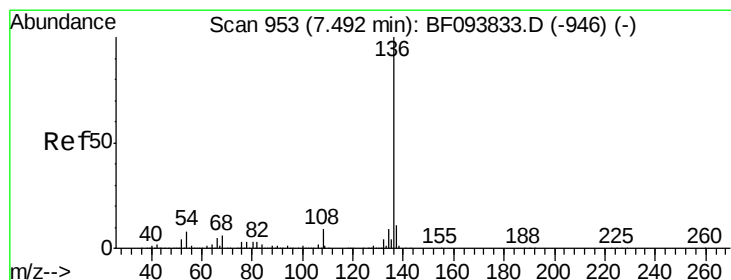
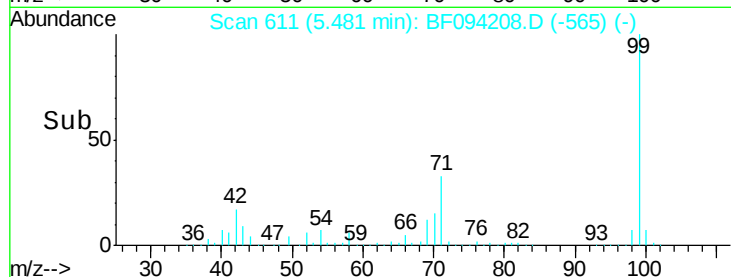
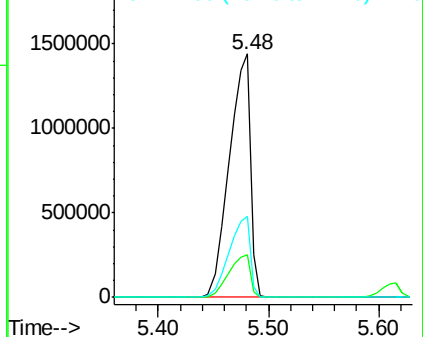
71 33.2 24.5 36.7

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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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.36 min Scan# 931

Delta R.T. -0.05 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Tgt Ion: 136 Resp: 730522

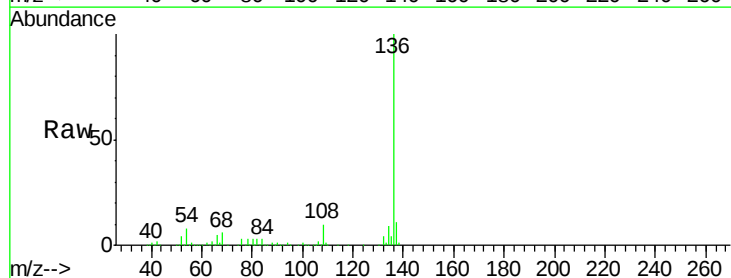
Ion Ratio Lower Upper

136 100

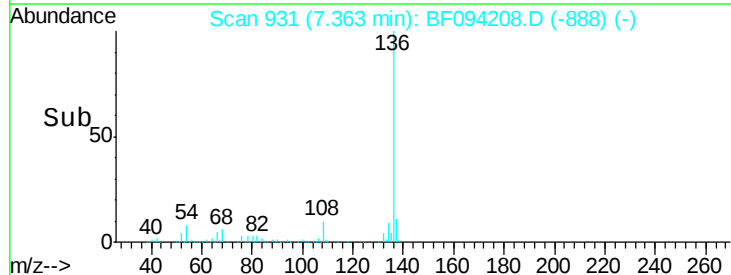
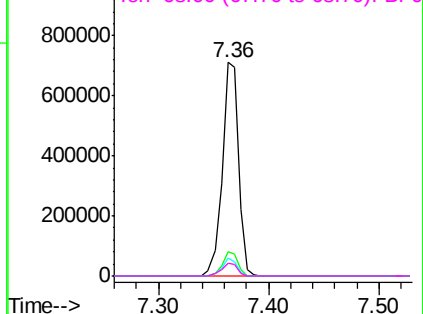
137 11.3 8.5 12.7

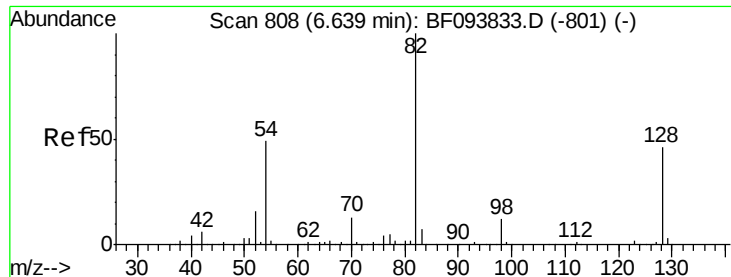
54 8.1 4.9 7.3#

68 6.2 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





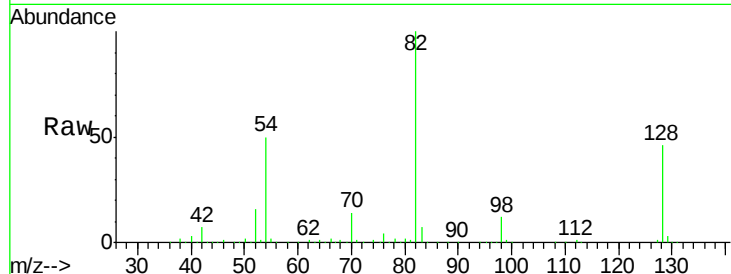
#23
Nitrobenzene-d5
Concen: 95.47 ng
RT: 6.52 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

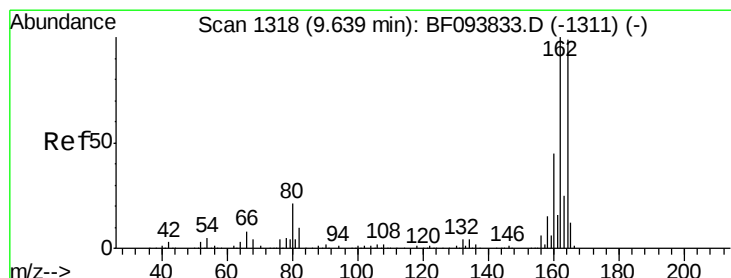
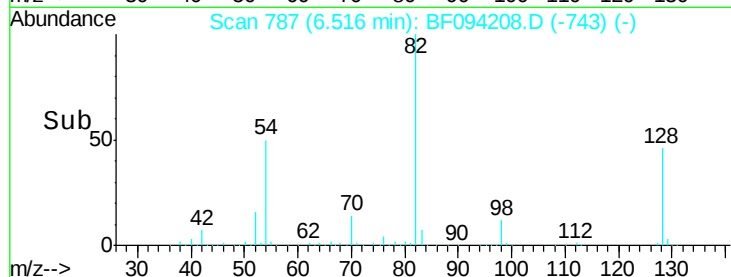
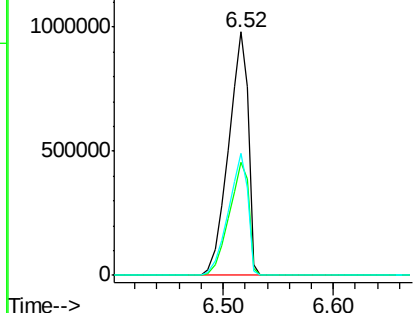
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	50.2	42.2	63.2

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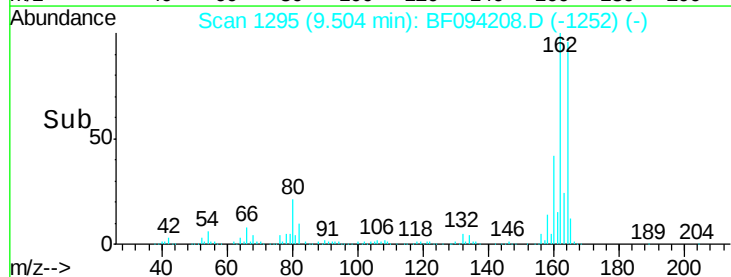
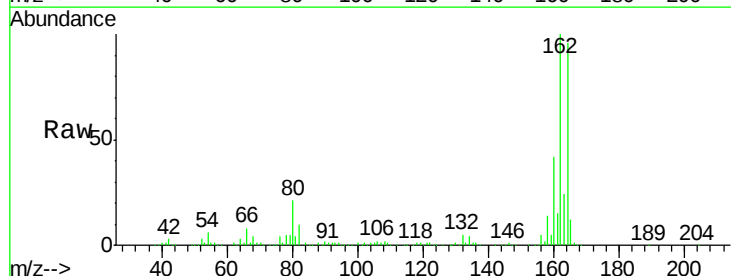
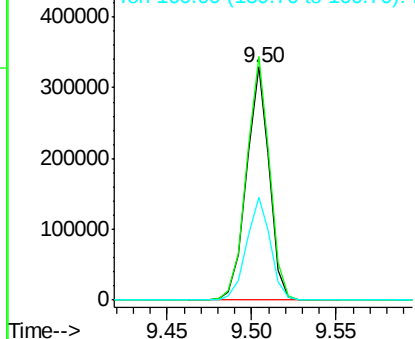
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

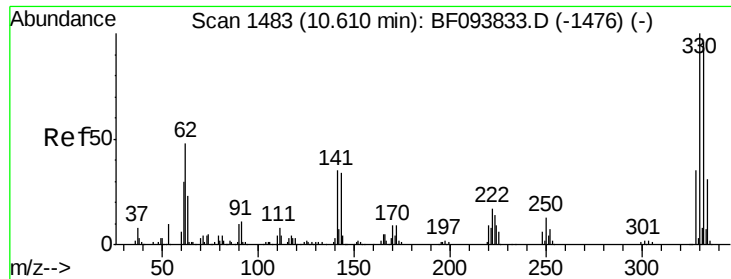


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 1295
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	44.3	36.2	54.2

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





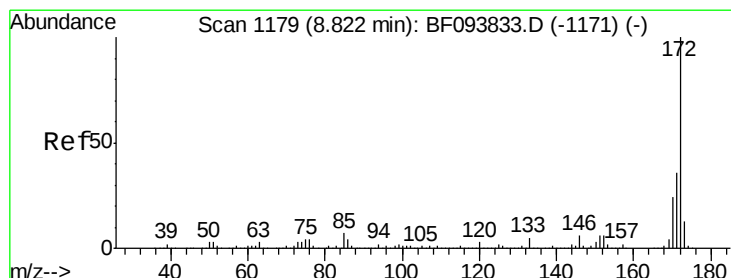
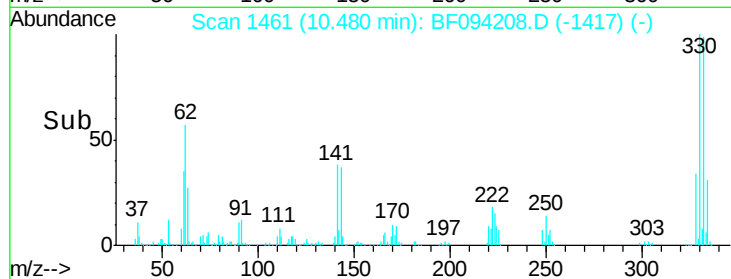
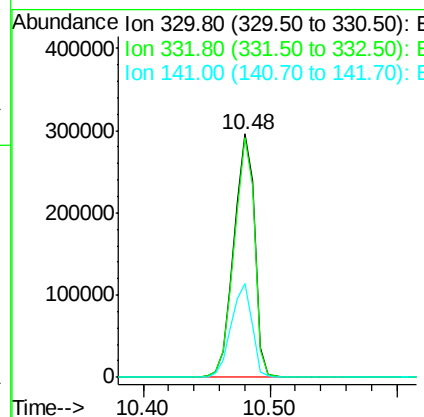
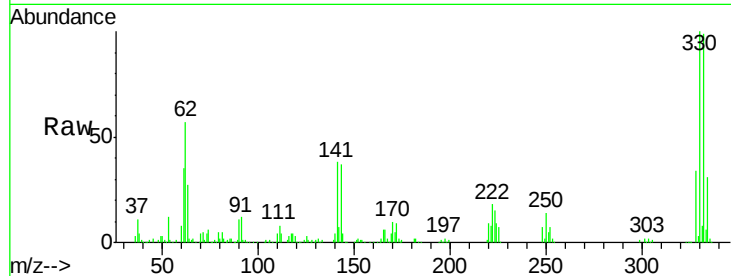
#41
 2,4,6-Tribromophenol
 Concen: 135.71 ng
 RT: 10.48 min Scan# 1461
 Delta R.T. -0.04 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-2-3-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	331031		
332	97.1	76.6	115.0	
141	38.9	31.4	47.2	

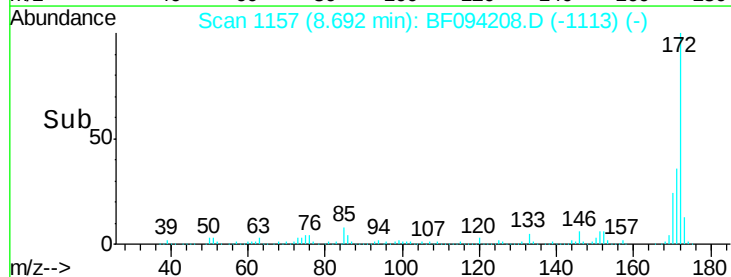
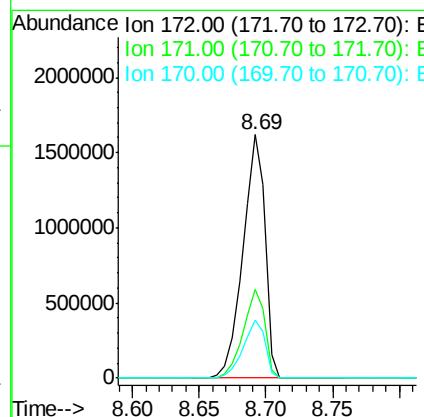
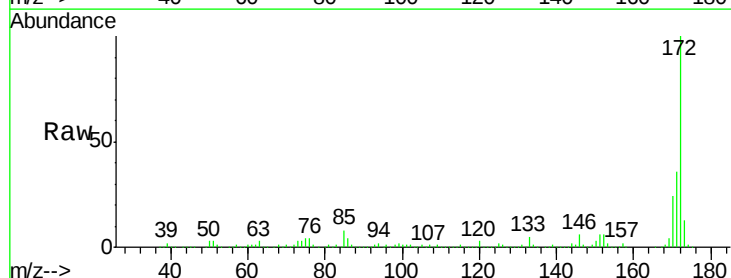
Manual Integrations
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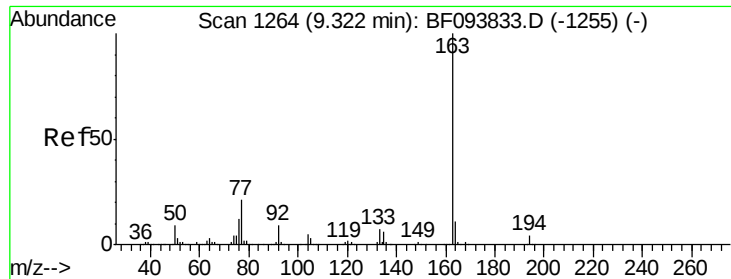
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#44
 2-Fluorobiphenyl
 Concen: 91.59 ng
 RT: 8.69 min Scan# 1157
 Delta R.T. -0.04 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1853696		
171	36.2	29.6	44.4	
170	24.1	19.8	29.8	





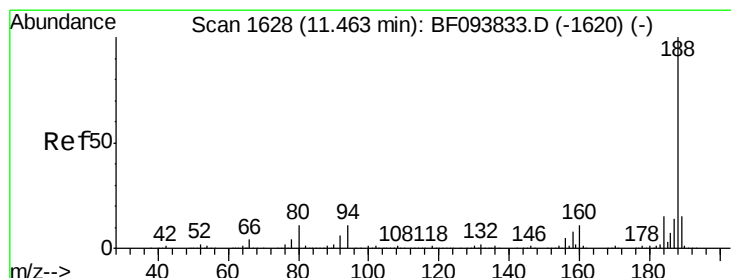
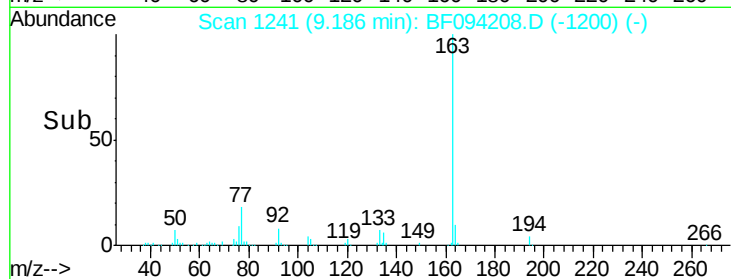
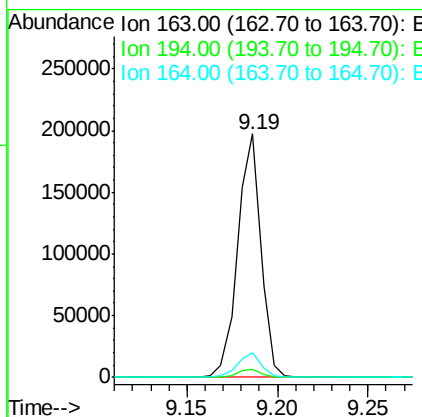
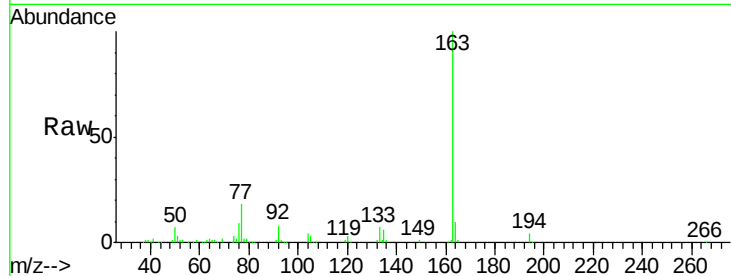
#49
Dimethylphthalate
Concen: 8.01 ng
RT: 9.19 min Scan# 1241
Delta R.T. -0.06 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.3	8.4	12.6

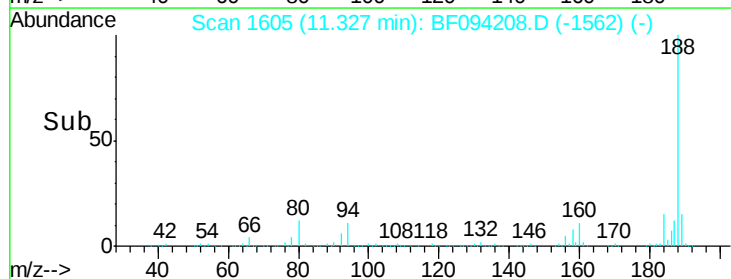
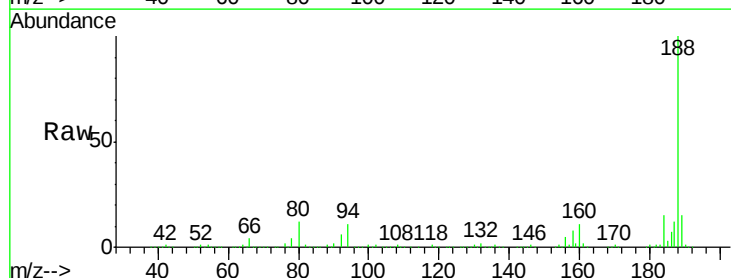
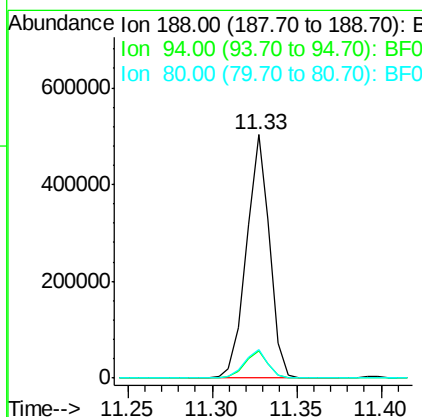
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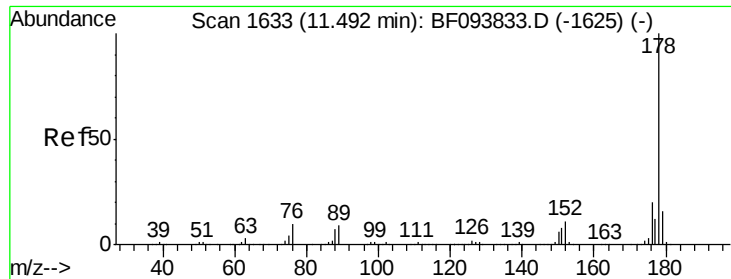
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1605
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.7	10.2	15.2





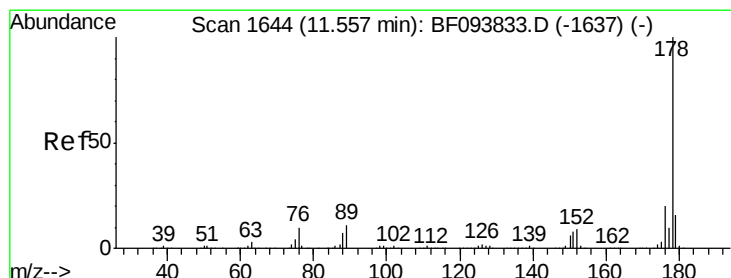
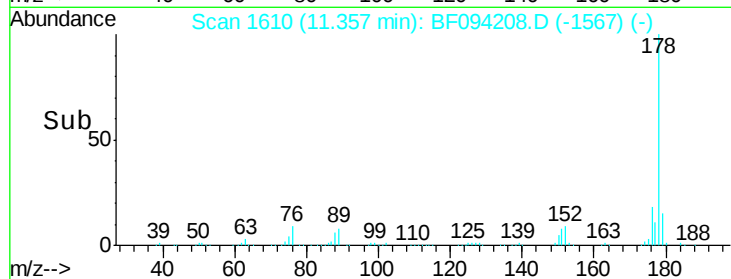
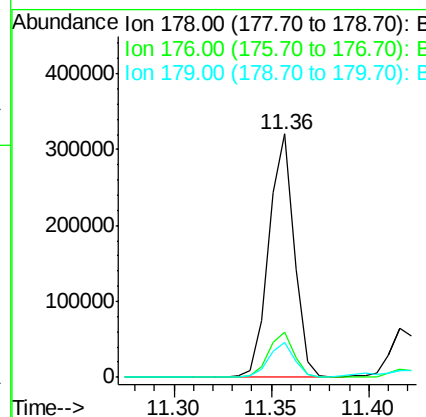
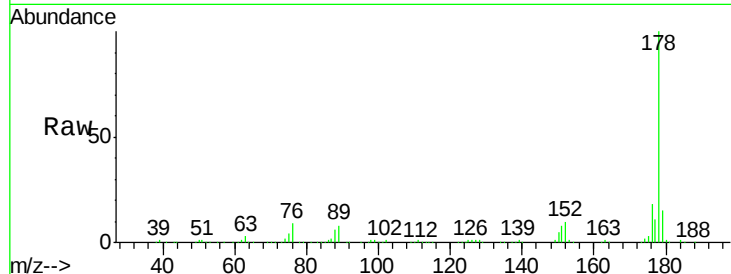
#70
Phenanthrene
Concen: 10.82 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	14.5	12.6	19.0

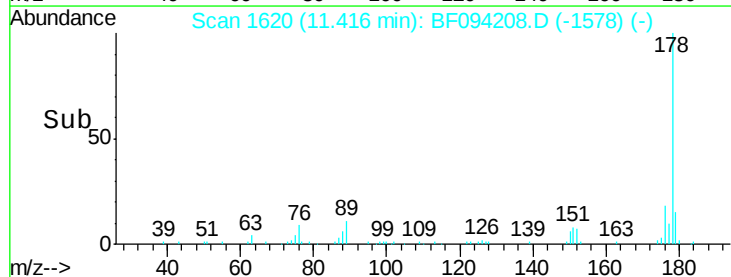
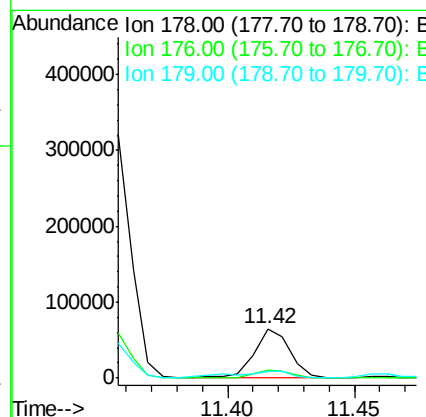
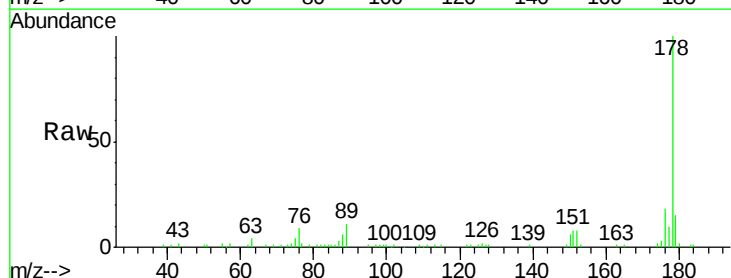
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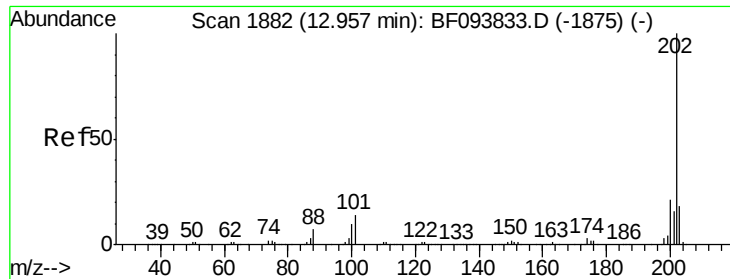
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#71
Anthracene
Concen: 2.31 ng
RT: 11.42 min Scan# 1620
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	14.7	12.7	19.1





#74

Fluoranthene

Concen: 11.60 ng

RT: 12.82 min Scan# 1858

Delta R.T. -0.05 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Instrument :

BNA_F

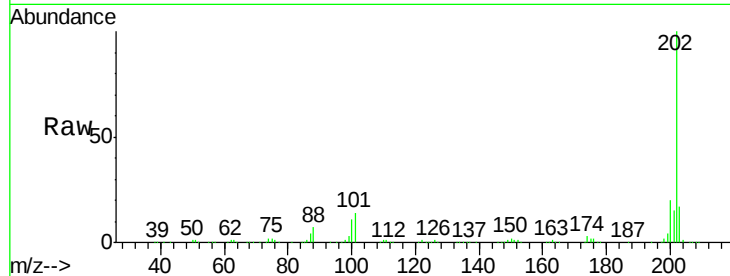
ClientSampleId :

SB-1-2-3-4

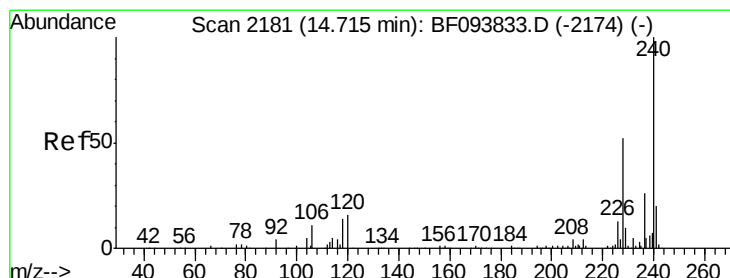
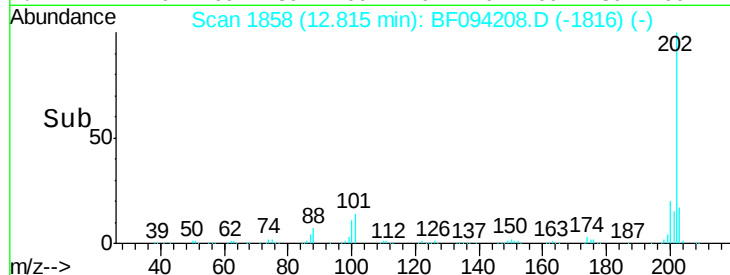
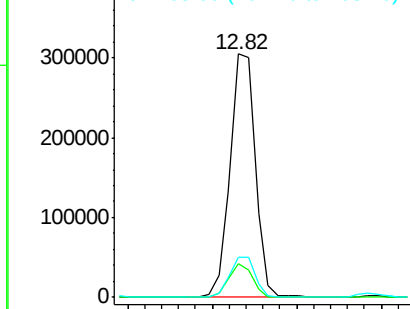
Tot Ion:	202	Resp:	316947
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.2
203	16.6	0.0	38.1

Manual Integrations
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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

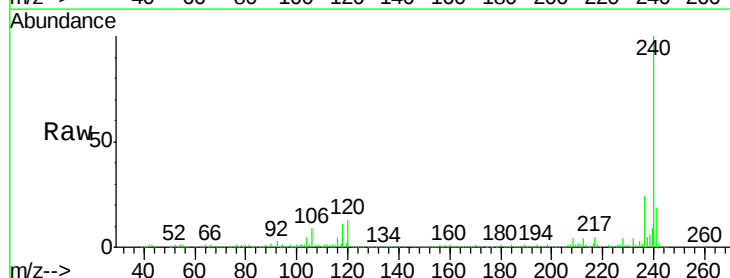
RT: 14.58 min Scan# 2158

Delta R.T. -0.05 min

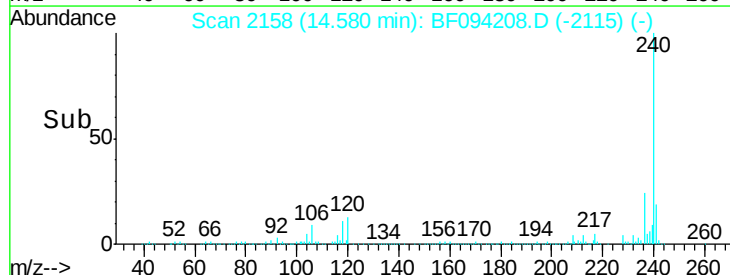
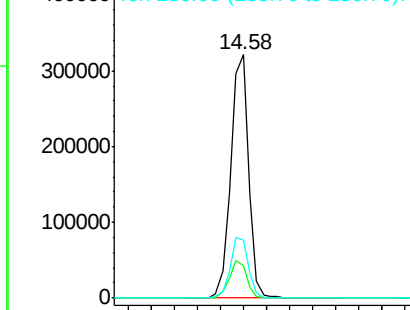
Lab File: BF094208.D

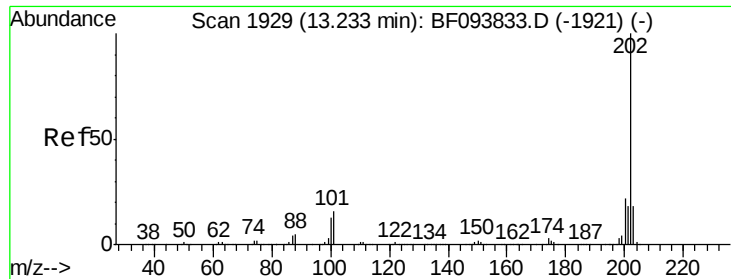
Acq: 5 Apr 2017 23:56

Tgt Ion:	240	Resp:	340992
Ion Ratio	Lower	Upper	
240	100		
120	13.4	5.8	8.8#
236	24.0	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





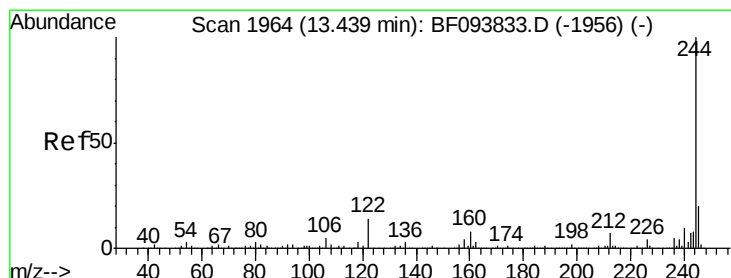
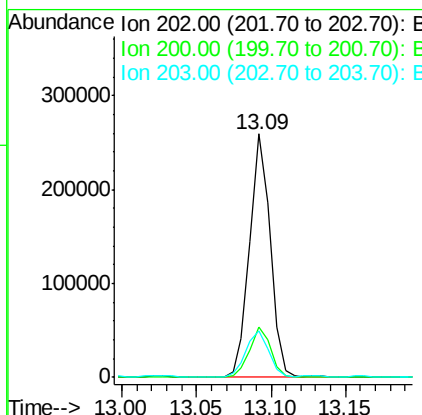
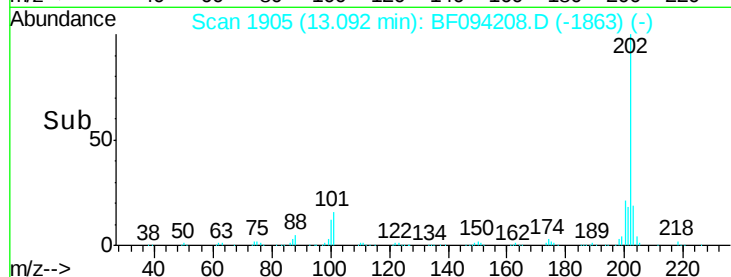
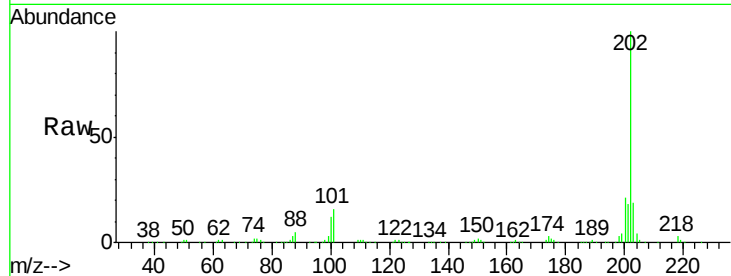
#77
Pvrene
Concen: 10.09 ng
RT: 13.09 min Scan# 1905
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampled :
SB-1-2-3-4

Tot Ion:	202	Resp:	249621
Ion Ratio		Lower	Upper
202	100		
200	20.8	17.6	26.4
203	19.0	14.4	21.6

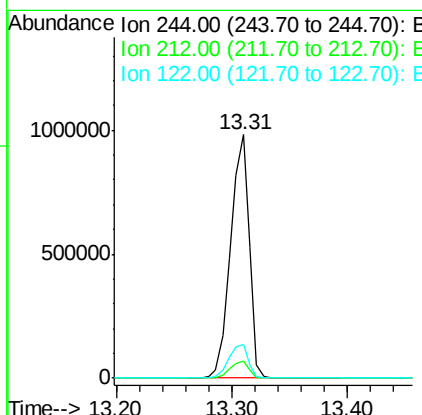
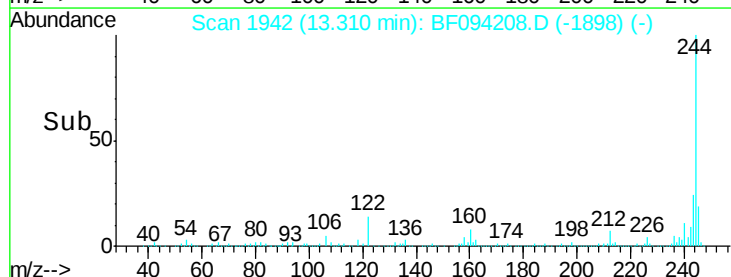
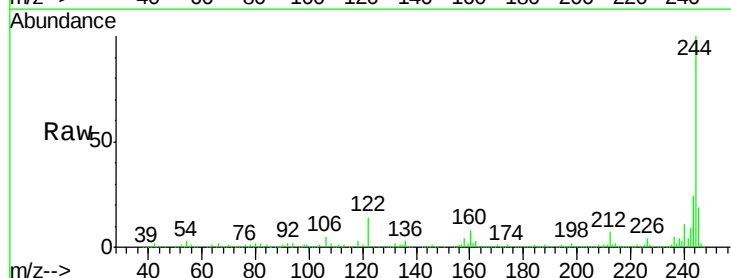
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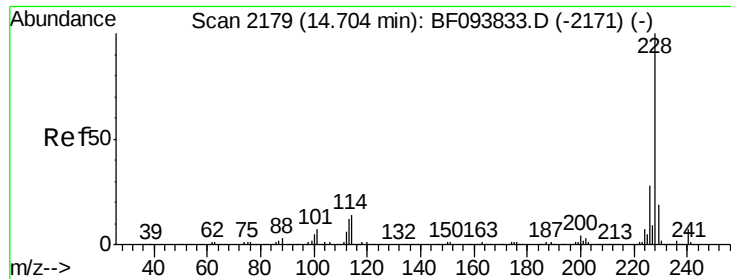
mohammad
4/6/2017 3:38:43 PM



#78
Terphenyl-d14
Concen: 71.66 ng
RT: 13.31 min Scan# 1942
Delta R.T. -0.04 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion:	244	Resp:	1090204
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.8	10.3	15.5





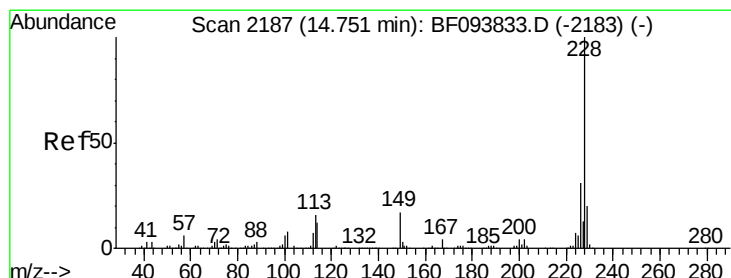
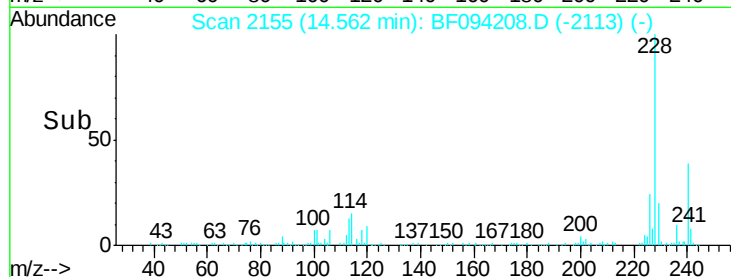
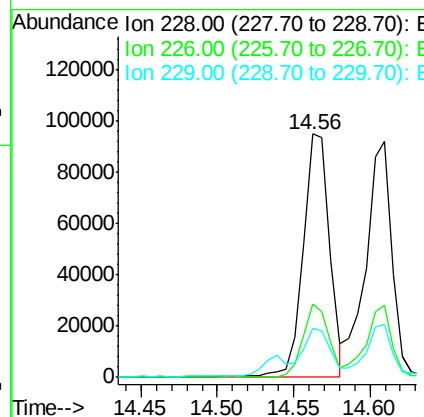
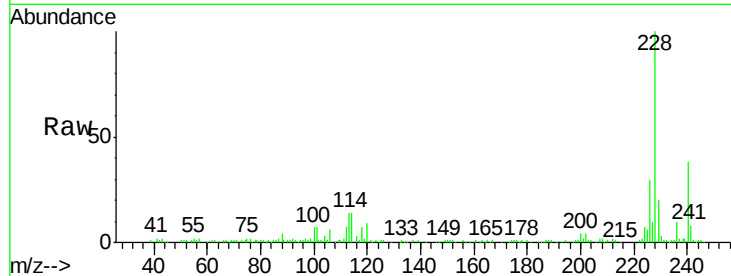
#80
Benzo(a)anthracene
Concen: 5.79 ng m
RT: 14.56 min Scan# 2155
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	20.1	16.3	24.5

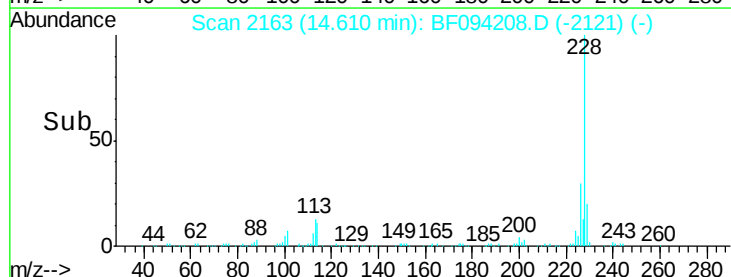
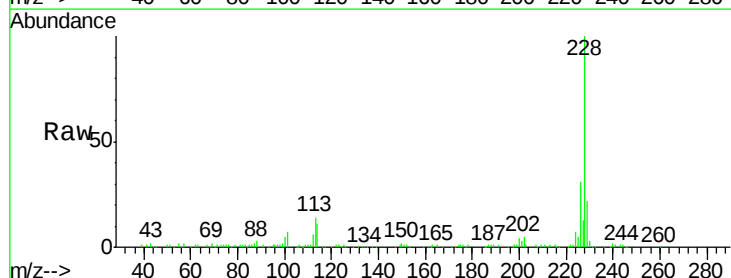
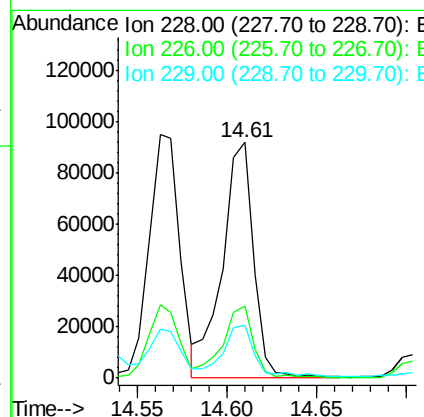
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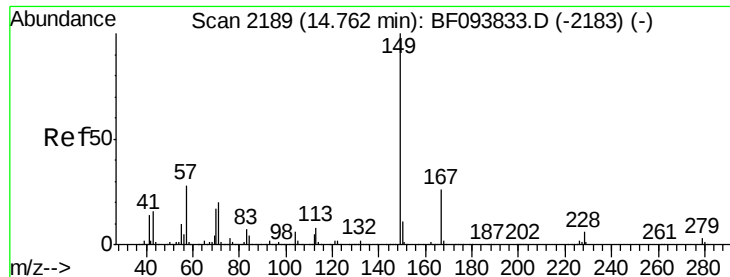
mohammad
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#82
Chrysene
Concen: 6.03 ng m
RT: 14.61 min Scan# 2163
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.3	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.55 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Instrument :

BNA_F

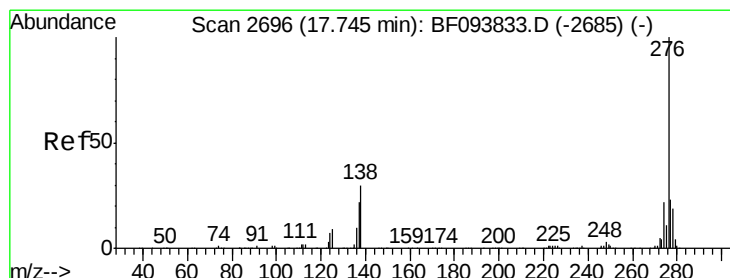
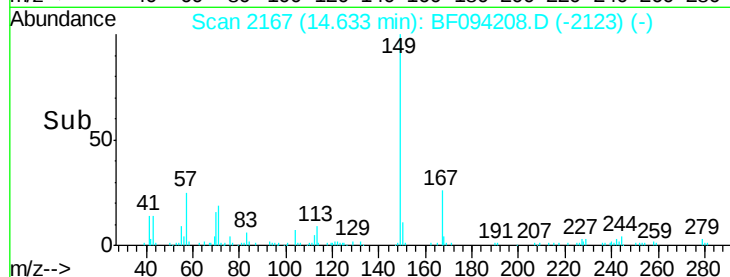
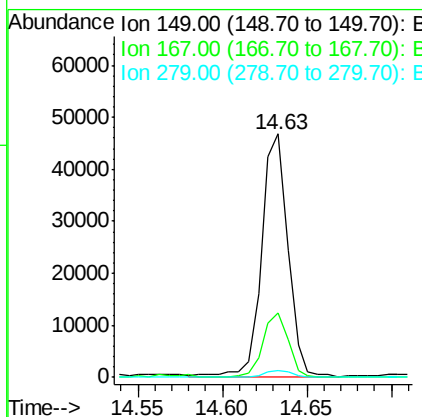
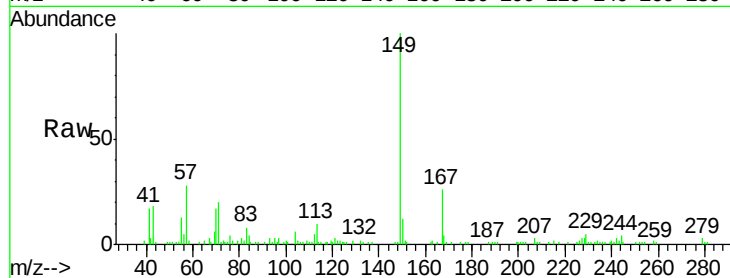
ClientSampleId :

SB-1-2-3-4

Tot Ion:	149	Resp:	51092
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.0	31.4
279	3.0	1.9	2.9#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.87 ng

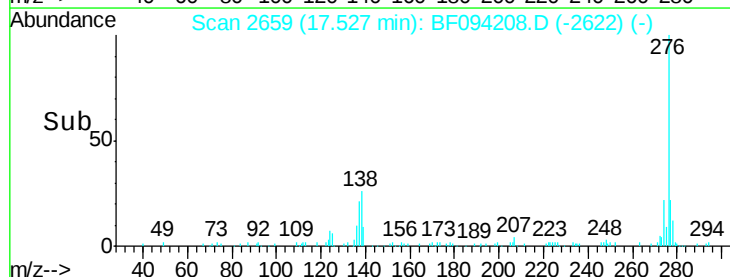
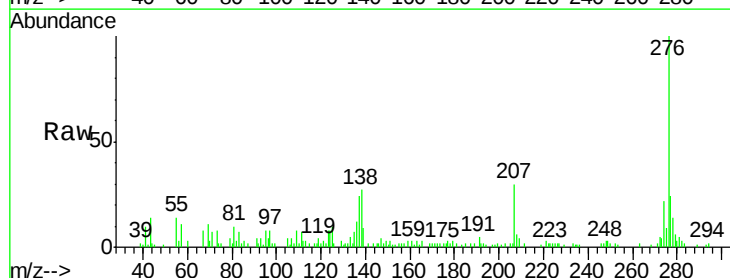
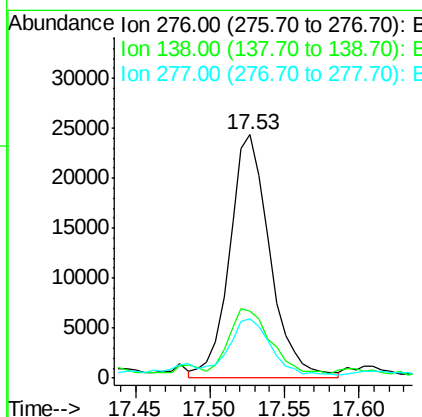
RT: 17.53 min Scan# 2659

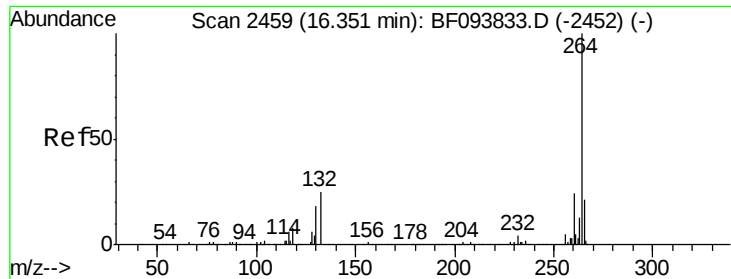
Delta R.T. -0.08 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Tgt Ion:	276	Resp:	45886
Ion Ratio	Lower	Upper	
276	100		
138	28.6	27.8	41.6
277	25.6	20.2	30.4





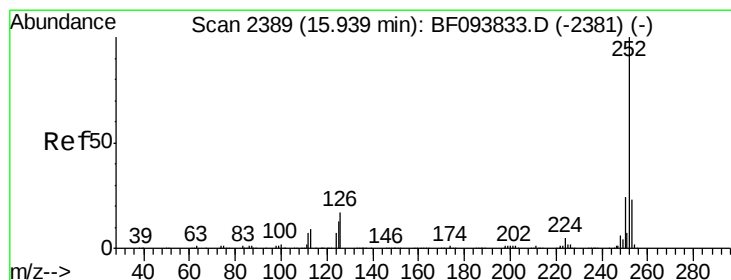
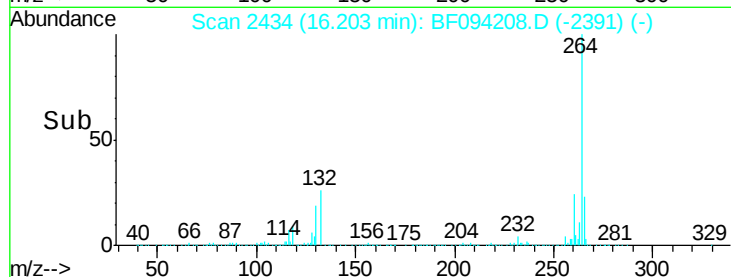
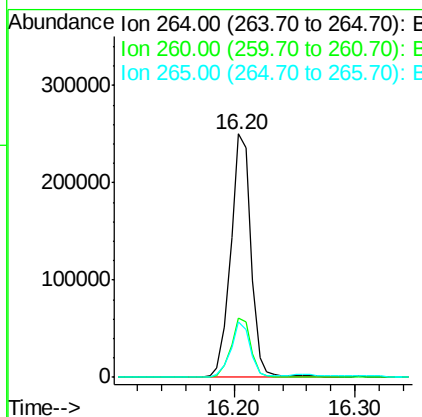
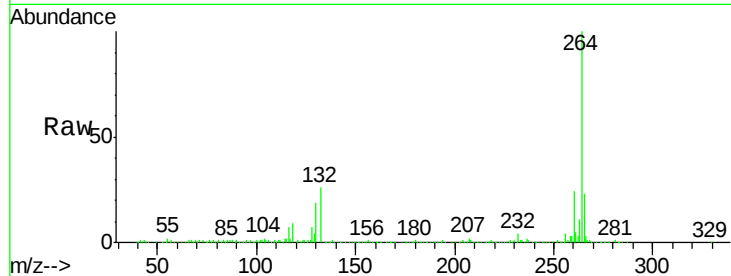
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.20 min Scan# 2434
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.5	17.2	25.8

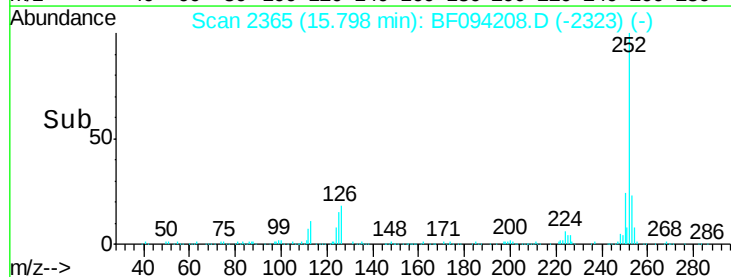
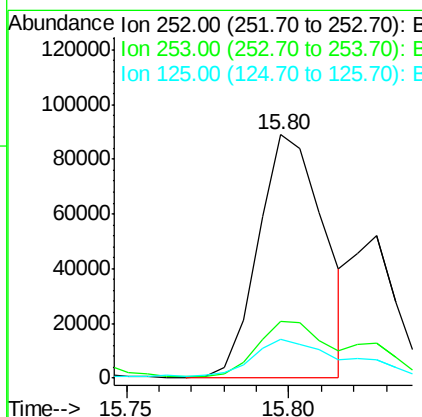
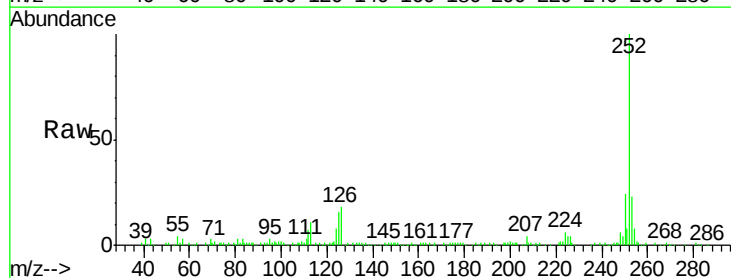
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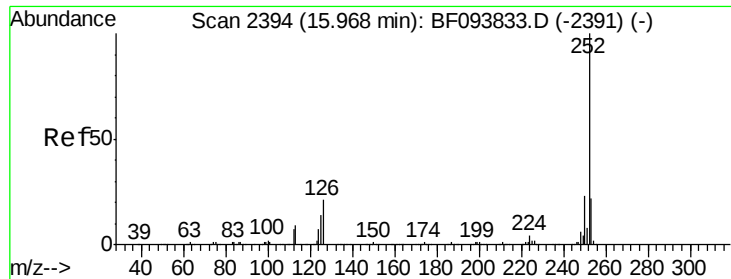
mohammad
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#87
Benzo(b)fluoranthene
Concen: 7.00 ng m
RT: 15.80 min Scan# 2365
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	16.1	9.8	14.8





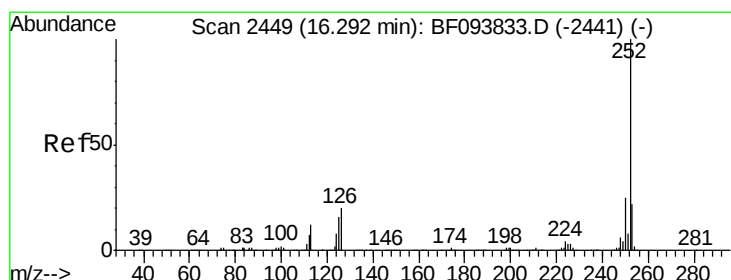
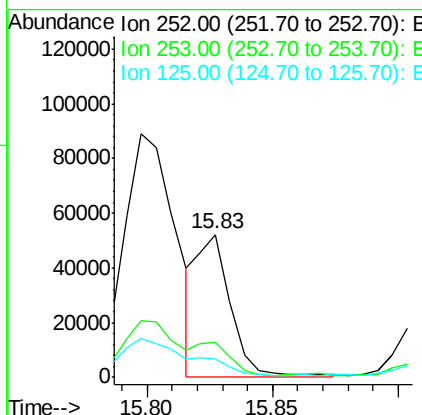
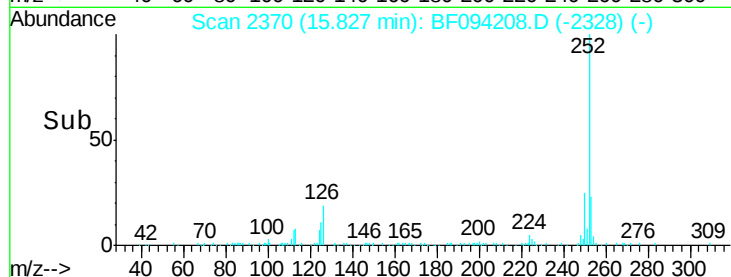
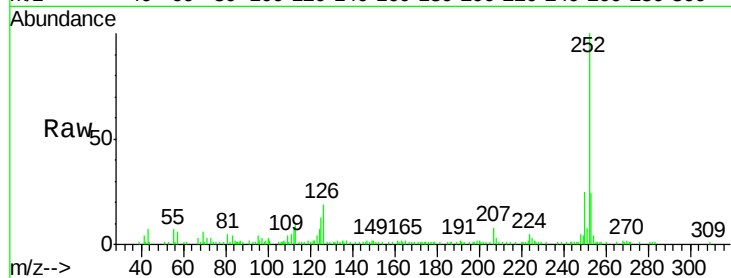
#88
Benzo(k)fluoranthene
Concen: 2.82 ng m
RT: 15.83 min Scan# 2370
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	13.0	13.1	19.7

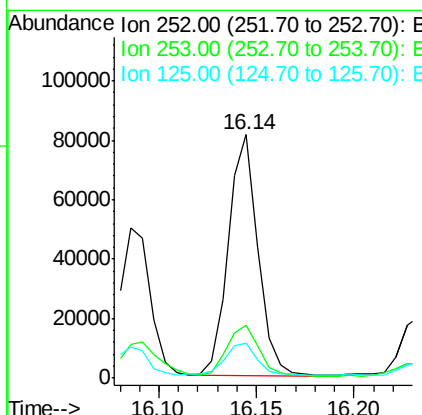
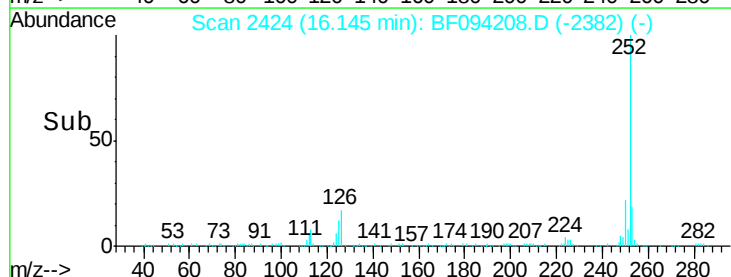
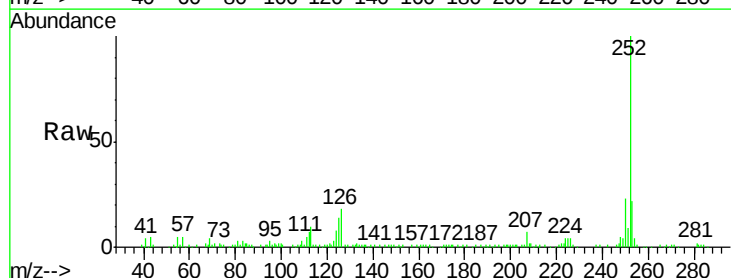
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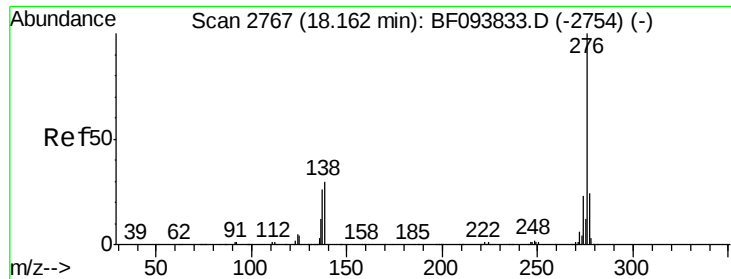
mohammad
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#89
Benzo(a)pyrene
Concen: 5.11 ng
RT: 16.14 min Scan# 2424
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	14.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.80 ng
 RT: 17.92 min Scan# 2725
 Delta R.T. -0.09 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-2-3-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.6	28.0
138	33.1	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 4/6/2017 3:38:43 PM

