

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094221.D
 Acq On : 6 Apr 2017 11:57
 Operator : SJ/MA
 Sample : I2511-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NE

Manual Integrations
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Quant Time: Apr 06 13:34:23 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	161568	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	658592	20.00	ng	-0.01
38) Acenaphthene-d10	9.49	164	314930	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	575962	20.00	ng	0.00
75) Chrysene-d12	14.56	240	480627	20.00	ng	-0.01
86) Perylene-d12	16.19	264	308008	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	699639	73.14	ng	0.00
7) Phenol-d6	5.46	99	1246183	105.31	ng	0.00
23) Nitrobenzene-d5	6.50	82	838077	72.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	126110	50.67	ng	-0.01
44) 2-Fluorobiphenyl	8.68	172	1533710	74.28	ng	0.00
78) Terphenyl-d14	13.30	244	1405772	65.56	ng	0.00
Target Compounds						
31) Naphthalene	7.37	128	84037	2.65	ng	98
49) Dimethylphthalate	9.17	163	105735	4.72	ng	99
70) Phenanthrene	11.34	178	140229	4.38	ng	98
74) Fluoranthene	12.80	202	149516	4.56	ng	98
77) Pyrene	13.08	202	127663	3.66	ng	98
87) Benzo(b)fluoranthene	15.78	252	38068m	2.02	ng	

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

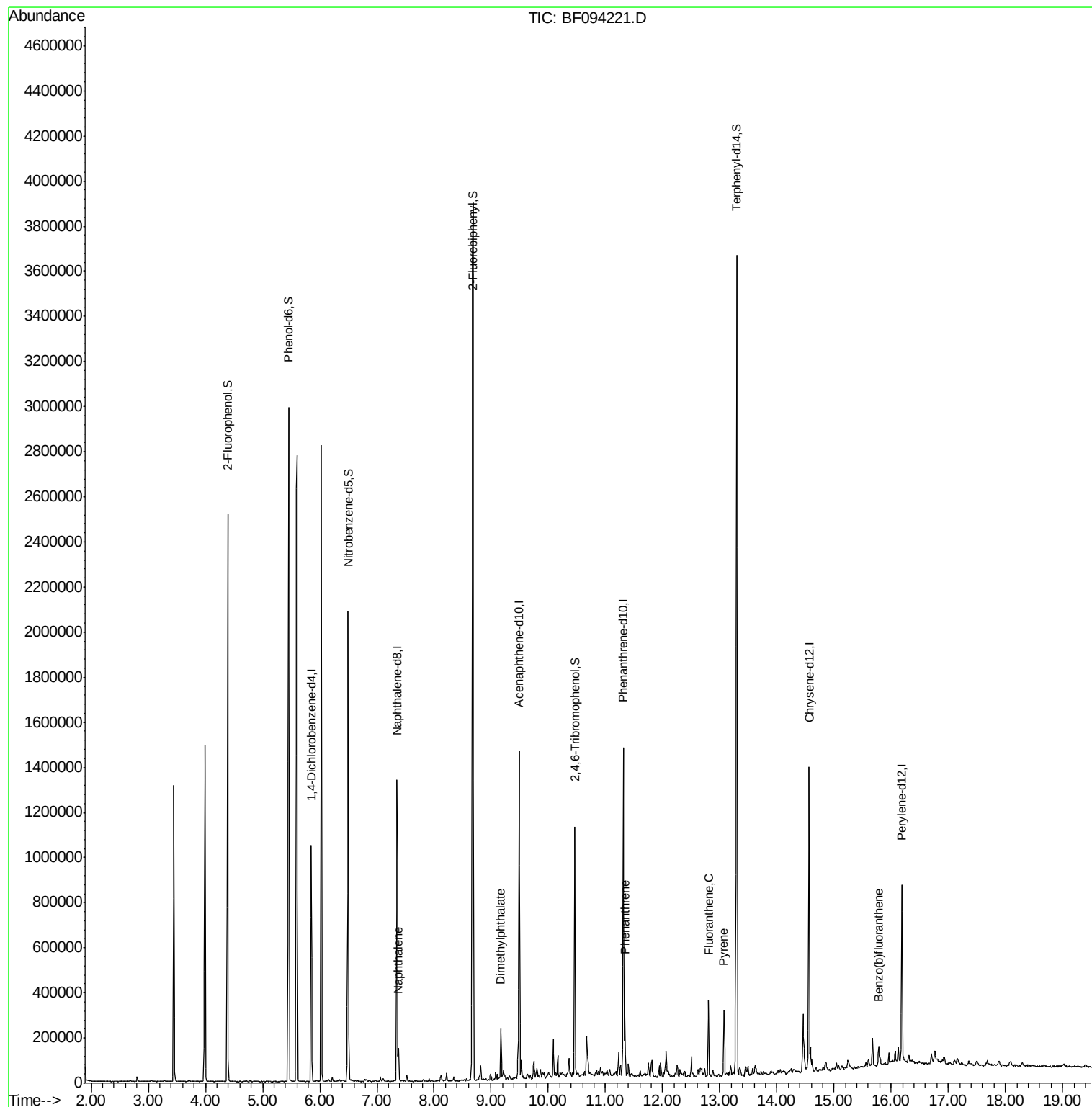
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
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Sample : I2511-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

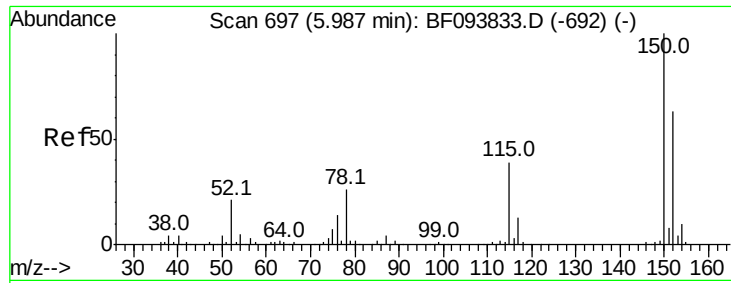
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

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Quant Time: Apr 06 13:34:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

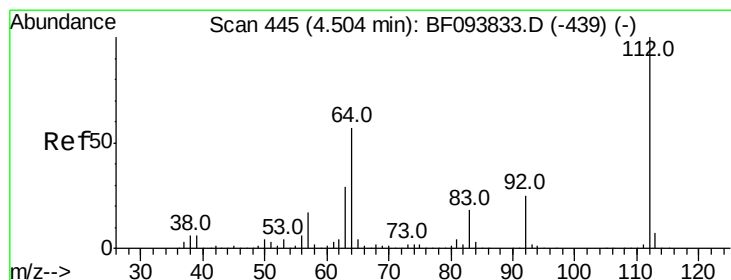
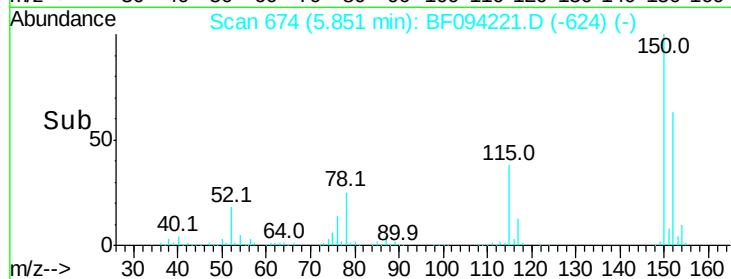
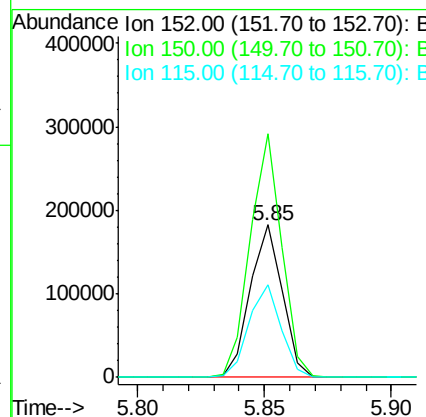
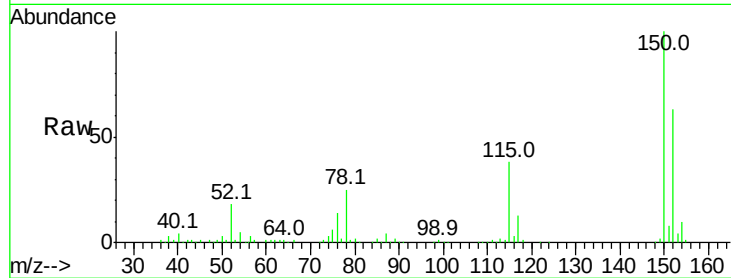
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.2	189.2
115	60.4	52.2	78.2

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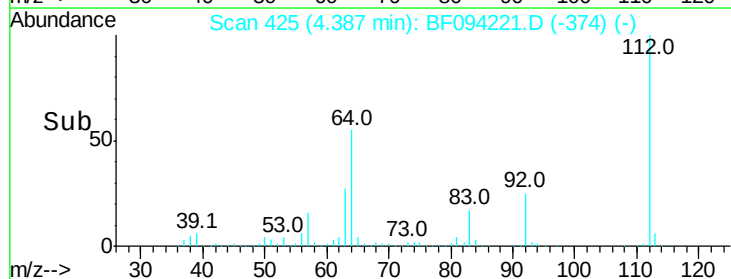
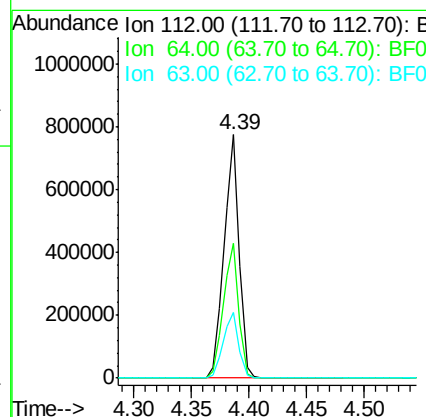
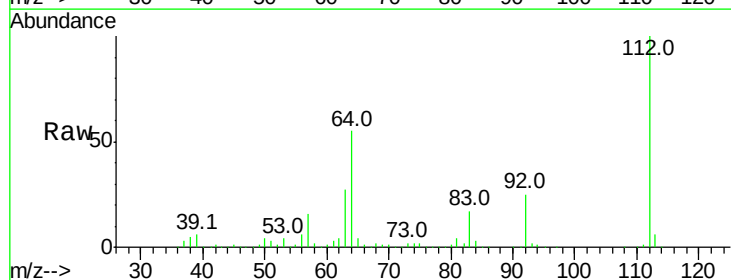
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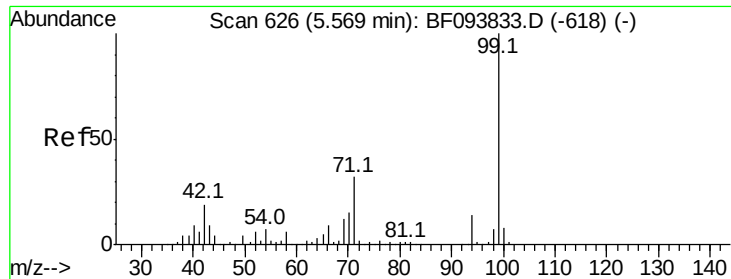


#5

2-Fluorophenol
Concen: 73.14 ng
RT: 4.39 min Scan# 425
Delta R.T. -0.00 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.0	69.0
63	27.2	23.4	35.0





#7

Phenol-d6

Concen: 105.31 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NE

Tot Ion: 99 Resp: 1246183

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

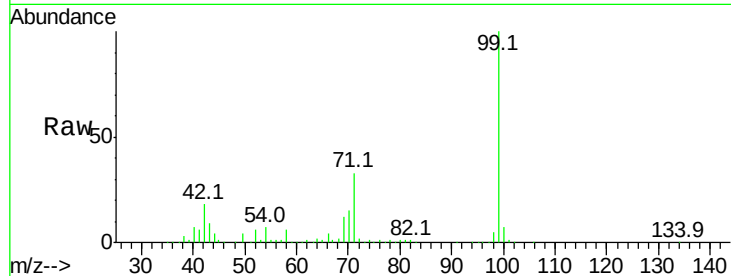
71 33.3 24.5 36.7

Manual Integrations

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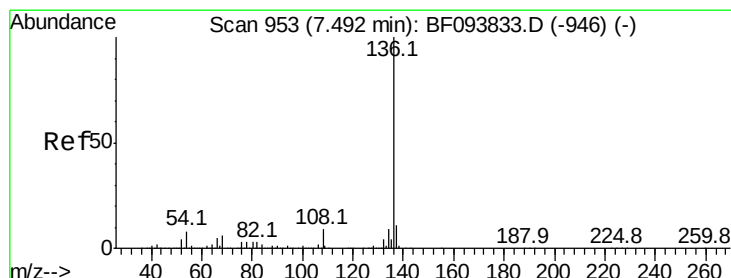
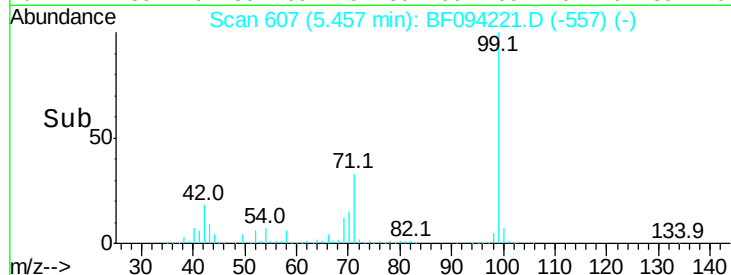
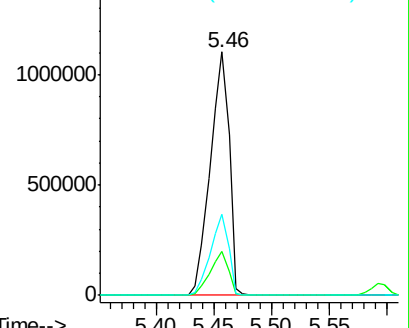
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.35 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF094221.D

Acq: 6 Apr 2017 11:57

Tgt Ion: 136 Resp: 658592

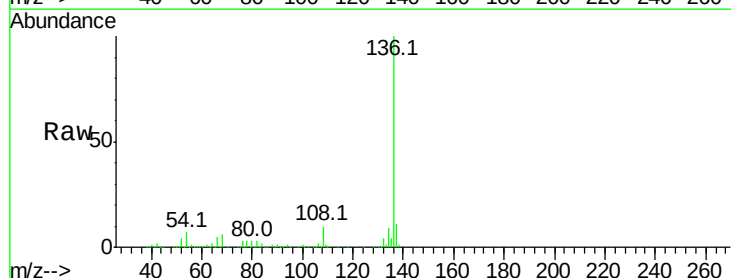
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.4 4.9 7.3#

68 6.1 4.1 6.1#

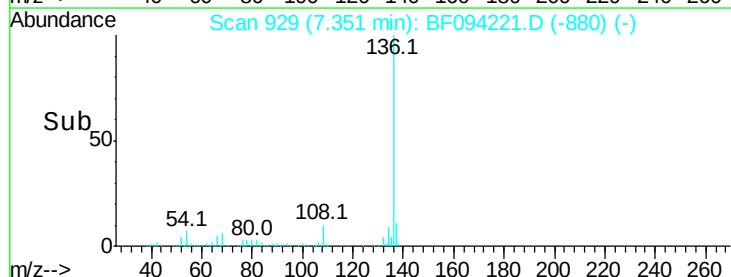
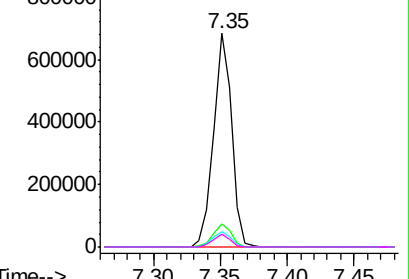


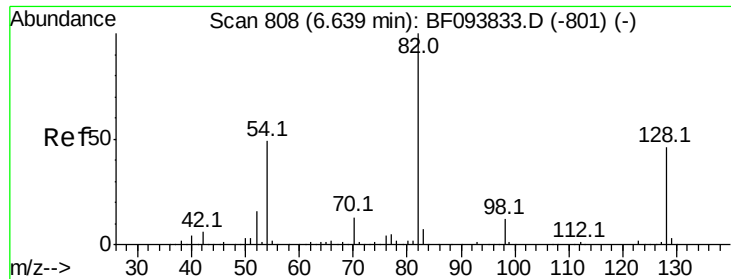
Abundance Ion 136.00 (135.70 to 136.70): E

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





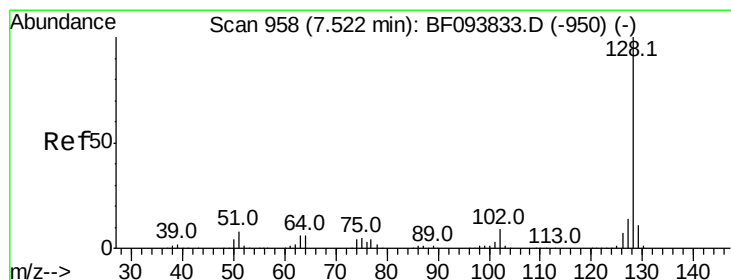
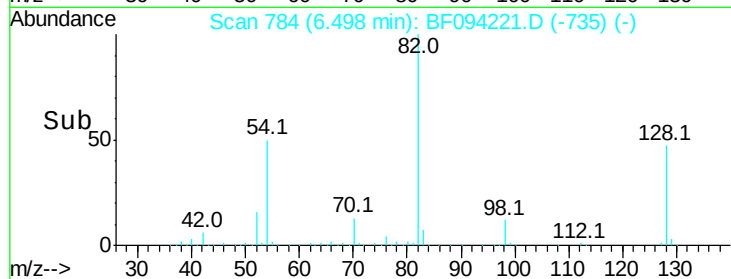
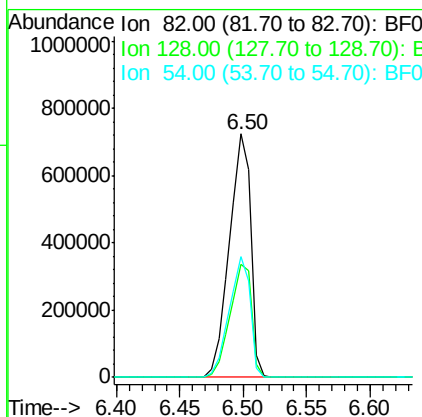
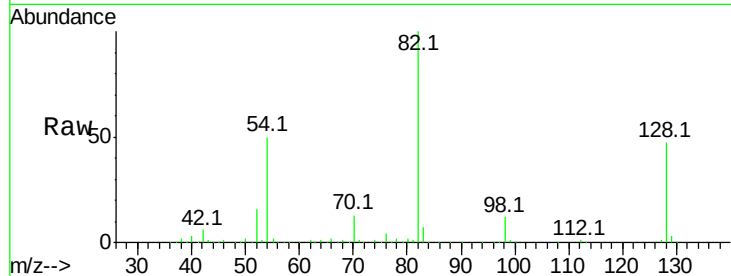
#23
Nitrobenzene-d5
Concen: 72.62 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.0	51.0
54	49.8	42.2	63.2

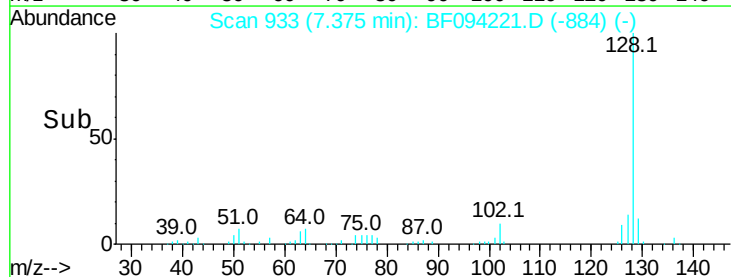
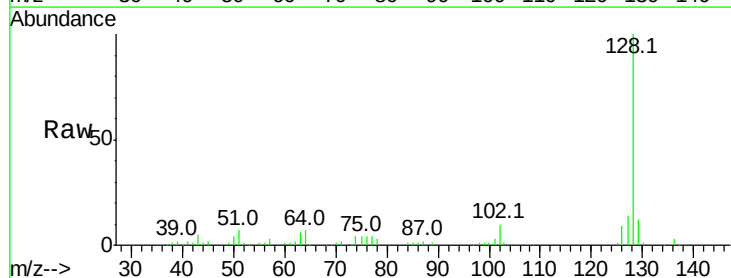
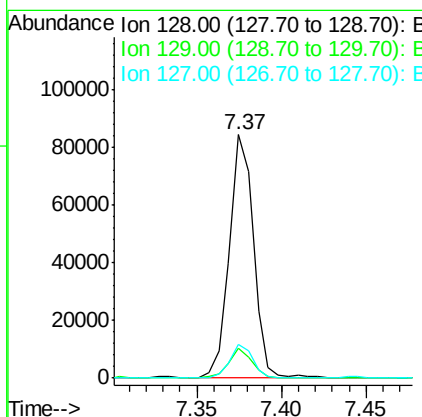
Manual Integrations
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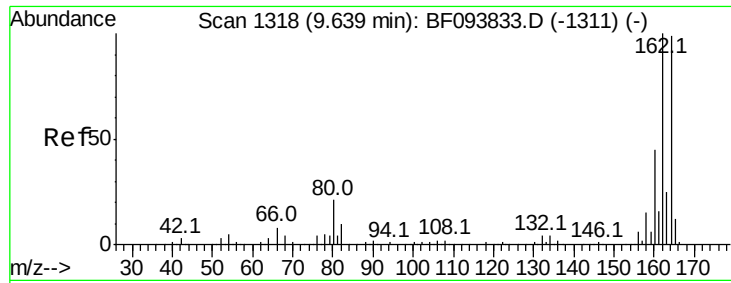
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#31
Naphthalene
Concen: 2.65 ng
RT: 7.37 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.0	13.6
127	14.0	10.8	16.2





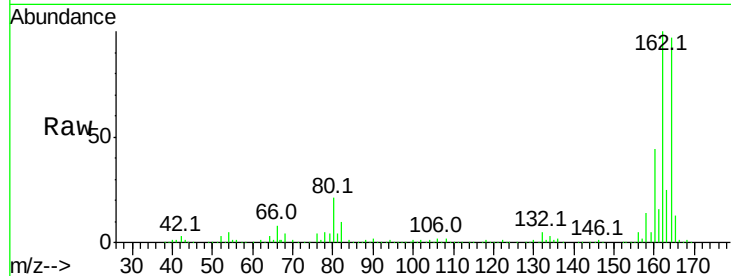
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094221.D
 Acq: 6 Apr 2017 11:57

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NE

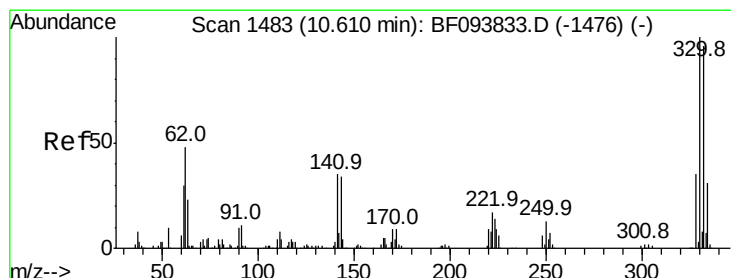
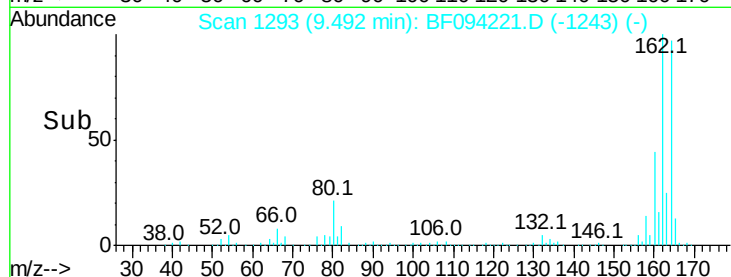
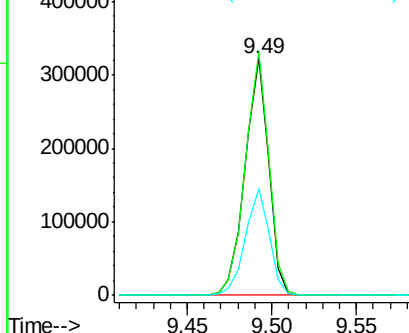
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	44.8	36.2	54.2

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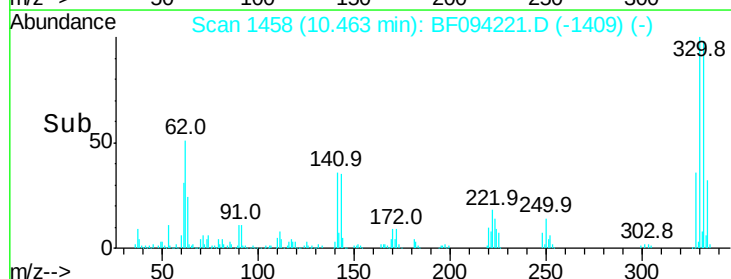
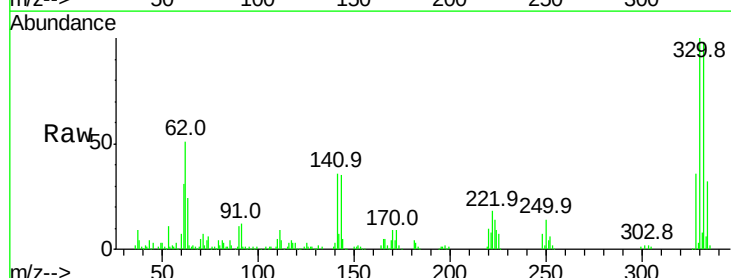
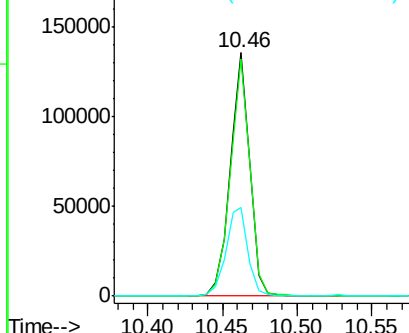
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

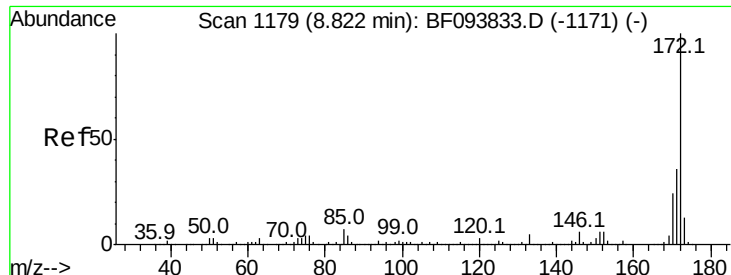


#41
 2,4,6-Tribromophenol
 Concen: 50.67 ng
 RT: 10.46 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF094221.D
 Acq: 6 Apr 2017 11:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.6	115.0
141	41.2	31.4	47.2

Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





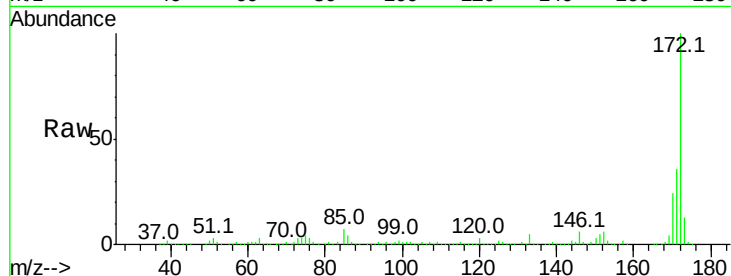
#44
2-Fluorobiphenyl
Concen: 74.28 ng
RT: 8.68 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

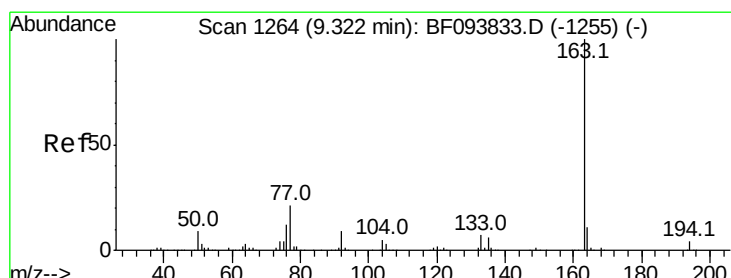
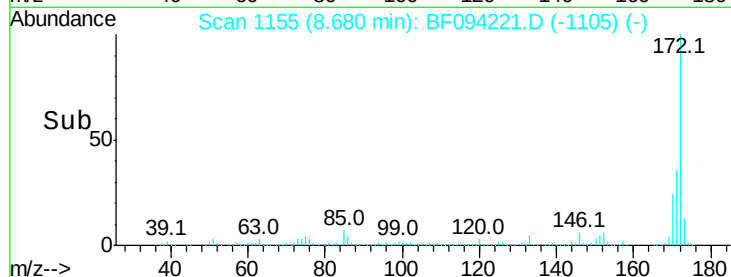
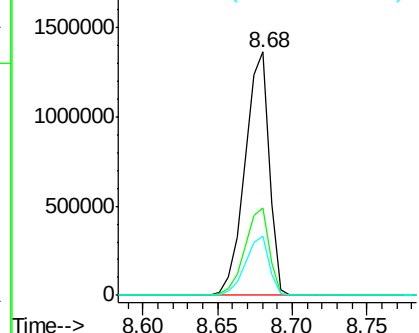
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.3	19.8	29.8

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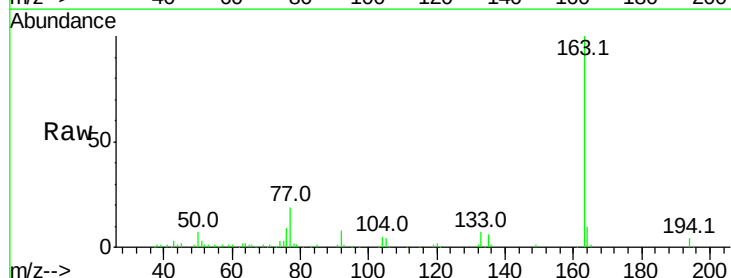


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

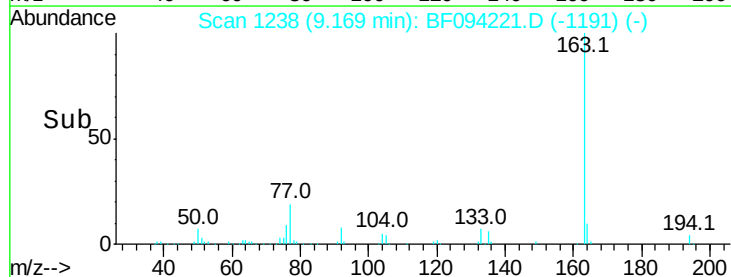
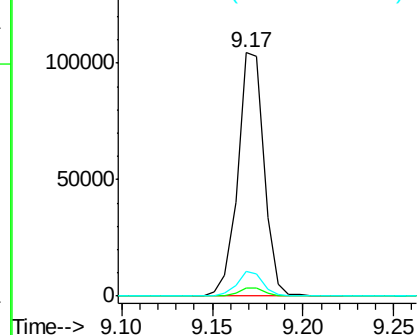


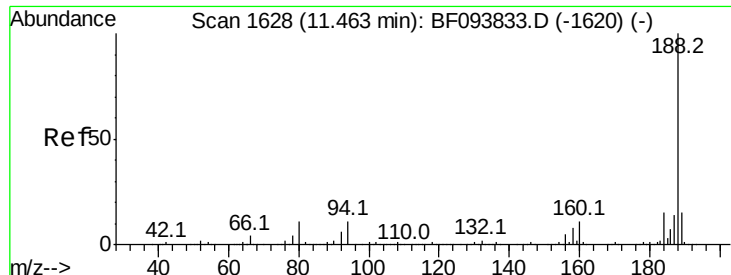
#49
Dimethylphthalate
Concen: 4.72 ng
RT: 9.17 min Scan# 1238
Delta R.T. -0.02 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.1	8.4	12.6



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





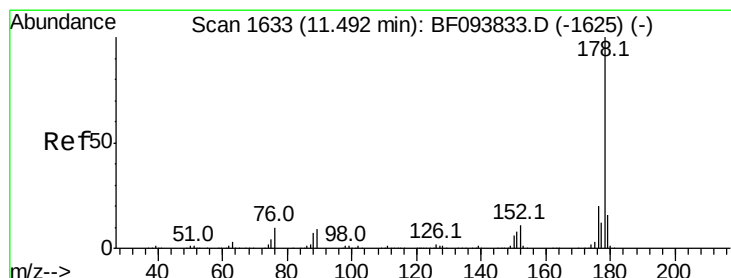
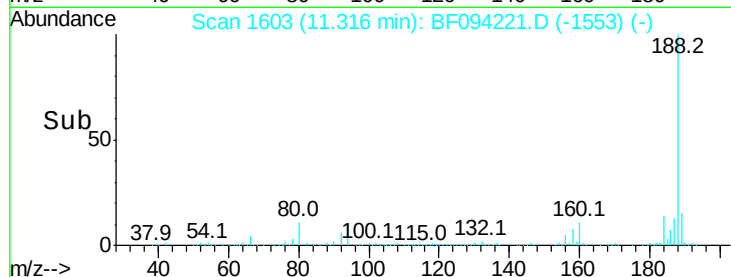
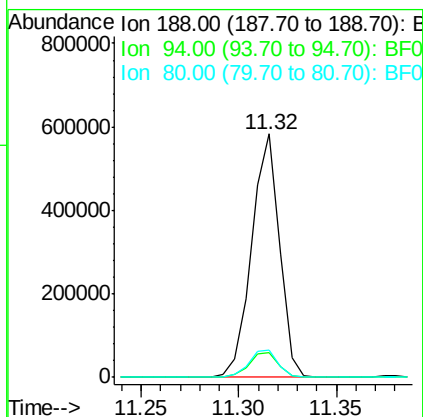
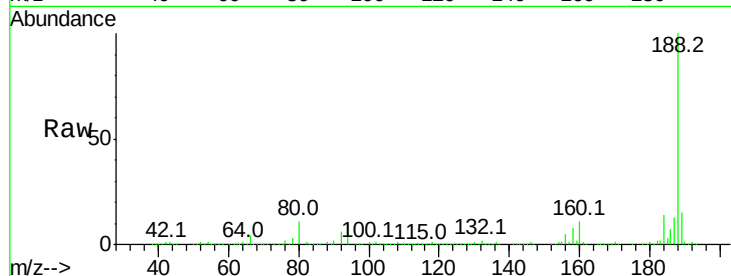
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.4	9.4	14.2	
80	11.2	10.2	15.2	

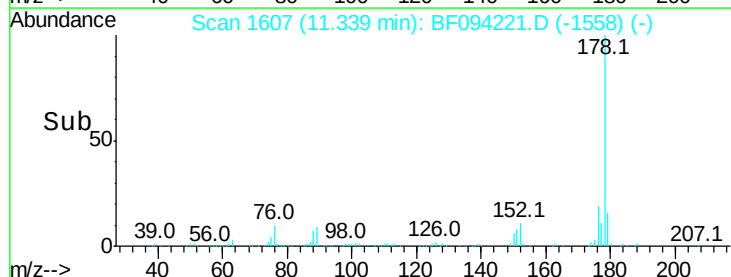
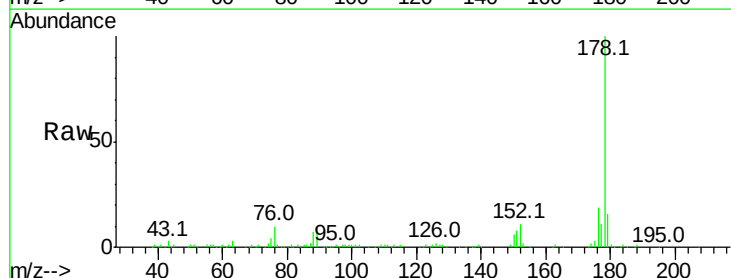
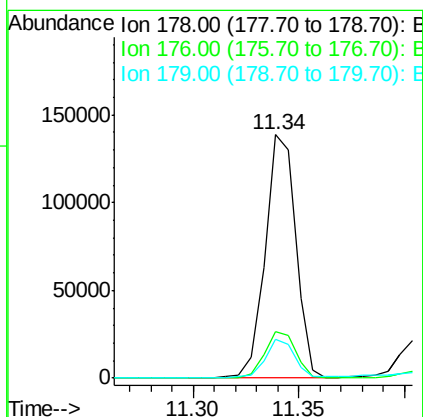
Manual Integrations
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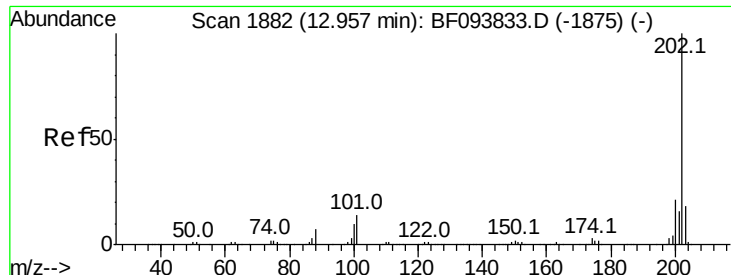
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#70
Phenanthrene
Concen: 4.38 ng
RT: 11.34 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.0	16.2	24.4	
179	15.7	12.6	19.0	





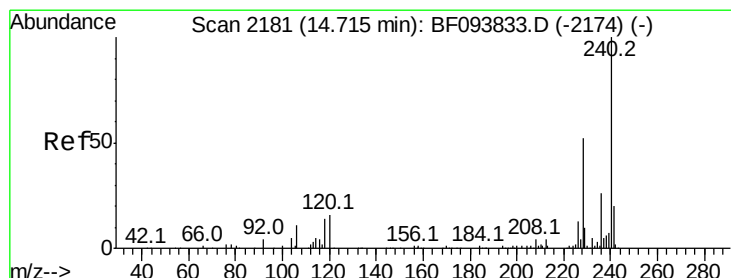
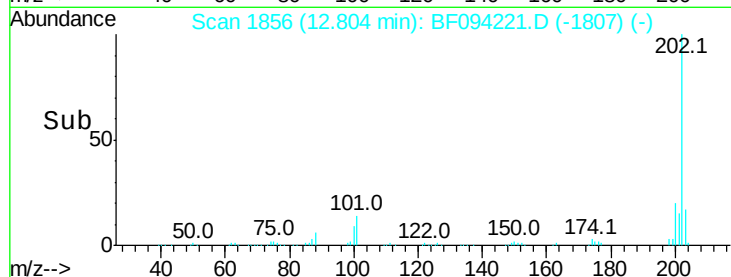
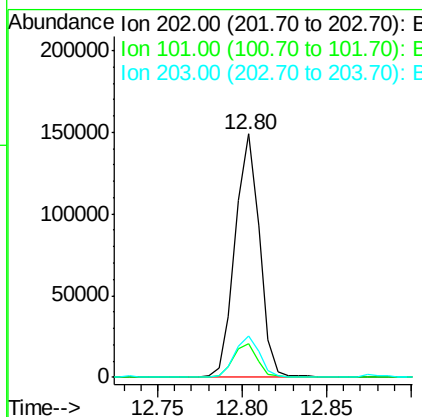
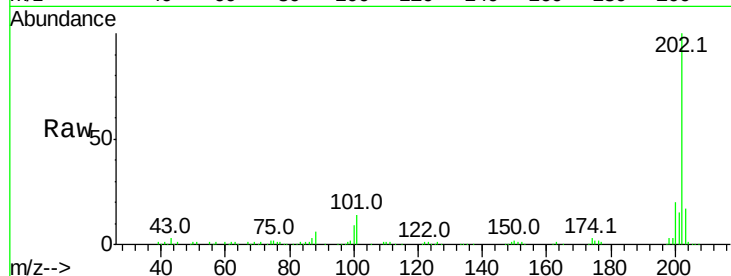
#74
Fluoranthene
 Concen: 4.56 ng
 RT: 12.80 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF094221.D
 Acq: 6 Apr 2017 11:57

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.2	0.0	38.1

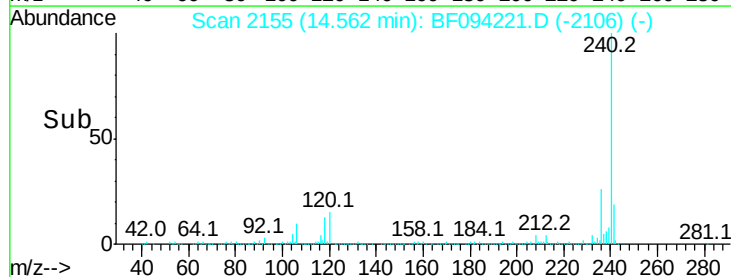
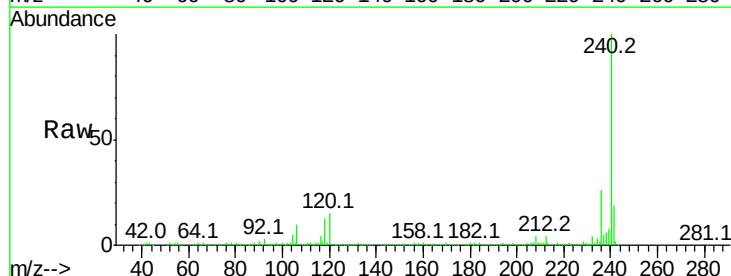
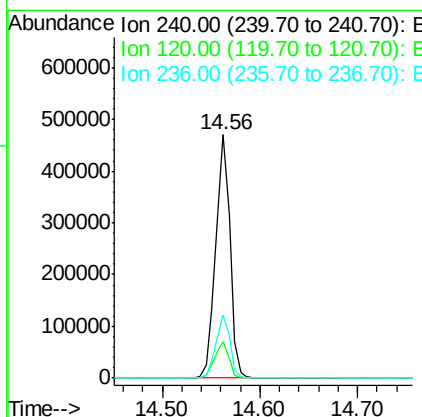
Manual Integrations
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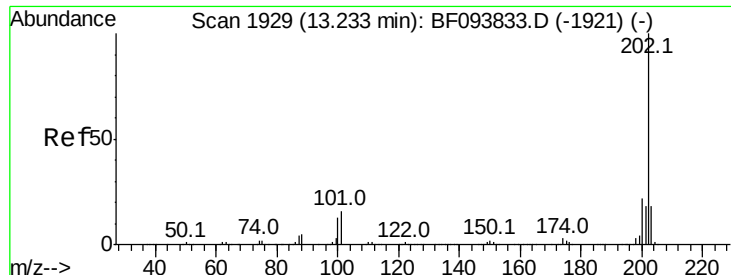
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.56 min Scan# 2155
 Delta R.T. -0.01 min
 Lab File: BF094221.D
 Acq: 6 Apr 2017 11:57

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	25.8	20.5	30.7





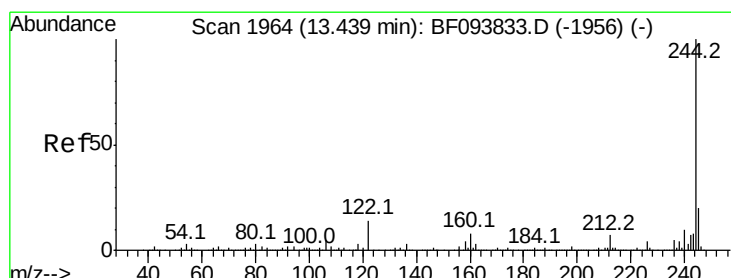
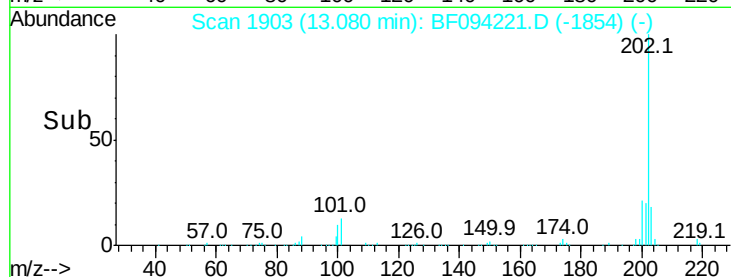
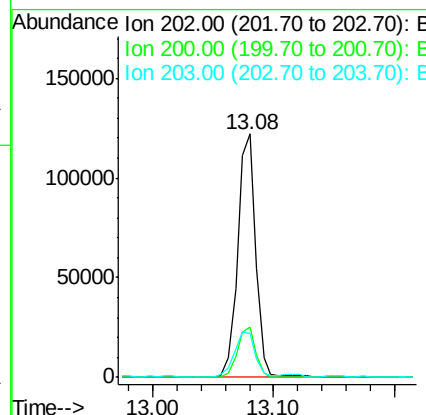
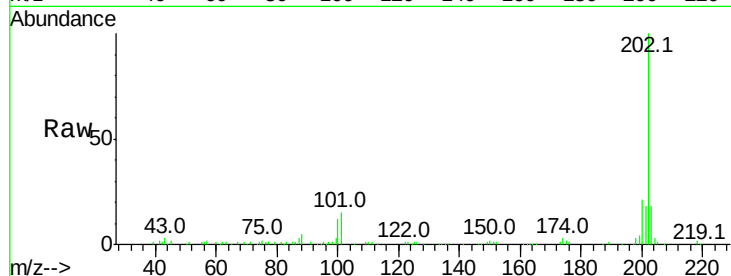
#77
Pvrene
Concen: 3.66 ng
RT: 13.08 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.8	14.4	21.6

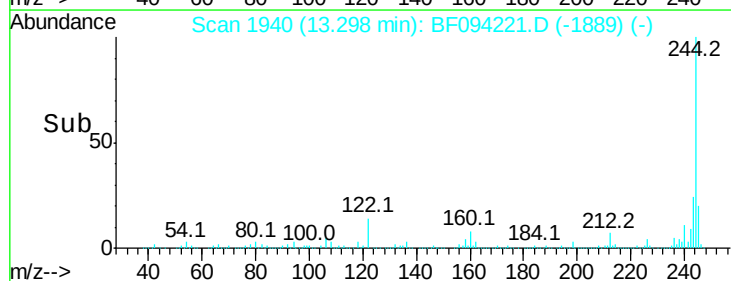
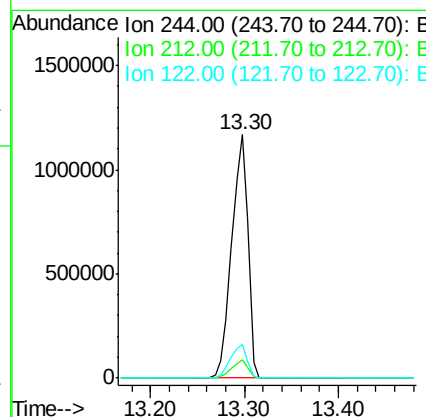
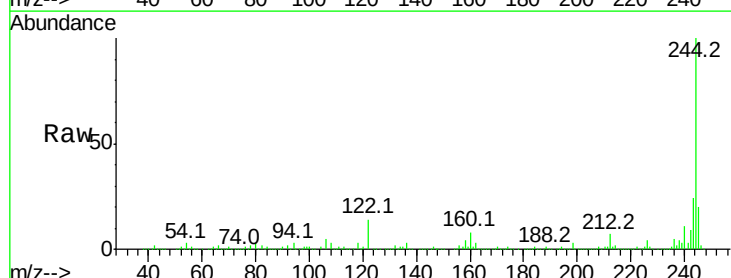
Manual Integrations
APPROVED

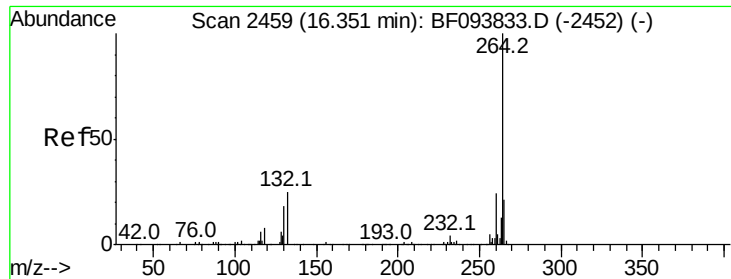
mohammad
4/7/2017 5:20:35 PM



#78
Terphenyl-d14
Concen: 65.56 ng
RT: 13.30 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.9	10.3	15.5





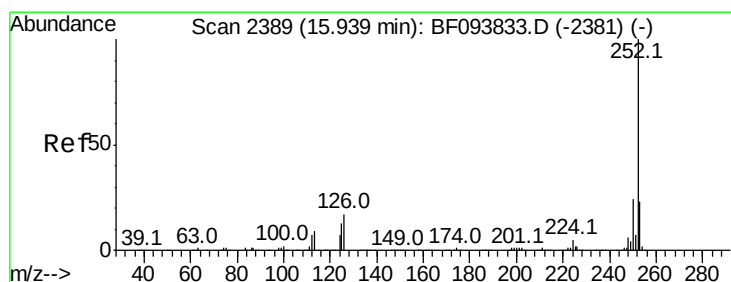
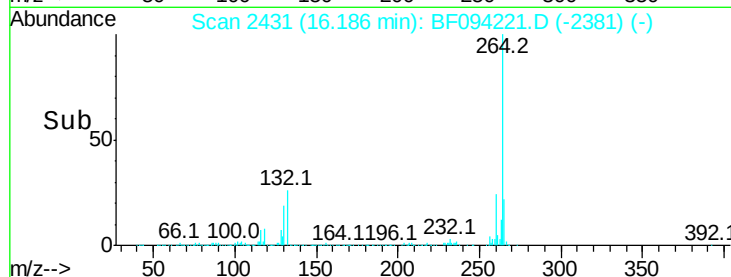
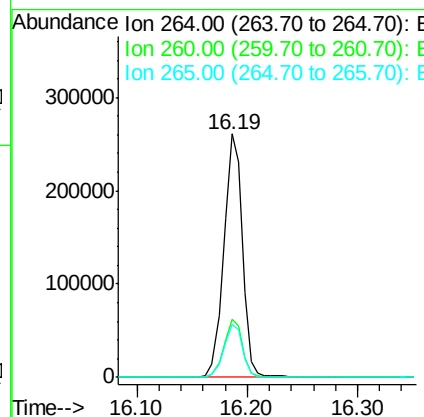
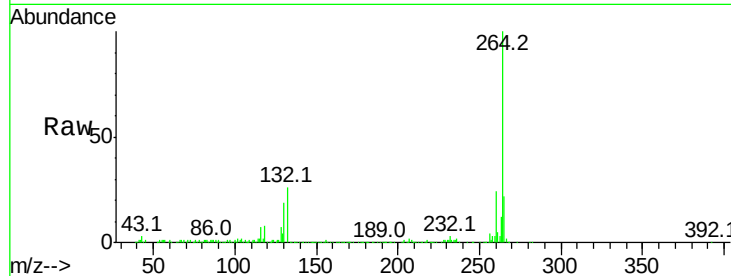
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.9	17.2	25.8

Manual Integrations
APPROVED

mohammad
4/7/2017 5:20:35 PM



#87
Benzo(b)fluoranthene
Concen: 2.02 ng m
RT: 15.78 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BF094221.D
Acq: 6 Apr 2017 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	16.1	9.8	14.8#

