

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
 Data File : BF094273.D
 Acq On : 7 Apr 2017 15:18
 Operator : SJ/MA
 Sample : I2569-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3456-275030

Manual Integrations
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 4/10/2017 2:07:33 PM

Quant Time: Apr 07 16:38:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 14:38:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	169730	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	662614	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	267849	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	462121	20.00	ng	0.00
75) Chrysene-d12	14.56	240	295836	20.00	ng	0.00
86) Perylene-d12	16.20	264	255047	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1159520	115.39	ng	0.01
7) Phenol-d6	5.46	99	1479930	119.05	ng	0.00
23) Nitrobenzene-d5	6.50	82	915684	78.86	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	278777	131.71	ng	0.00
44) 2-Fluorobiphenyl	8.67	172	1354121	77.11	ng	0.00
78) Terphenyl-d14	13.29	244	917418	69.51	ng	0.00
Target Compounds						
10) Phenol	5.47	94	105891	7.49	ng	Qvalue 88
49) Dimethylphthalate	9.17	163	179694	9.44	ng	# 98
58) 2,3,4,6-Tetrachlorophenol	9.90	232	147643	38.36	ng	# 95
69) Pentachlorophenol	11.12	266	1160252	405.16	ng	100
70) Phenanthrene	11.34	178	123262	4.79	ng	98
74) Fluoranthene	12.80	202	226840	8.62	ng	99
77) Pyrene	13.08	202	232369	10.82	ng	98
80) Benzo(a)anthracene	14.55	228	81800	4.74	ng	95
82) Chrysene	14.59	228	89016	5.56	ng	96
85) Indeno(1,2,3-cd)pyrene	17.52	276	50161	3.62	ng	96
87) Benzo(b)fluoranthene	15.79	252	94242m	6.03	ng	
88) Benzo(k)fluoranthene	15.82	252	38866m	2.54	ng	
89) Benzo(a)pyrene	16.13	252	71585	4.97	ng	# 64
91) Benzo(a,h,i)perylene	17.90	276	50970	4.15	ng	# 89

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

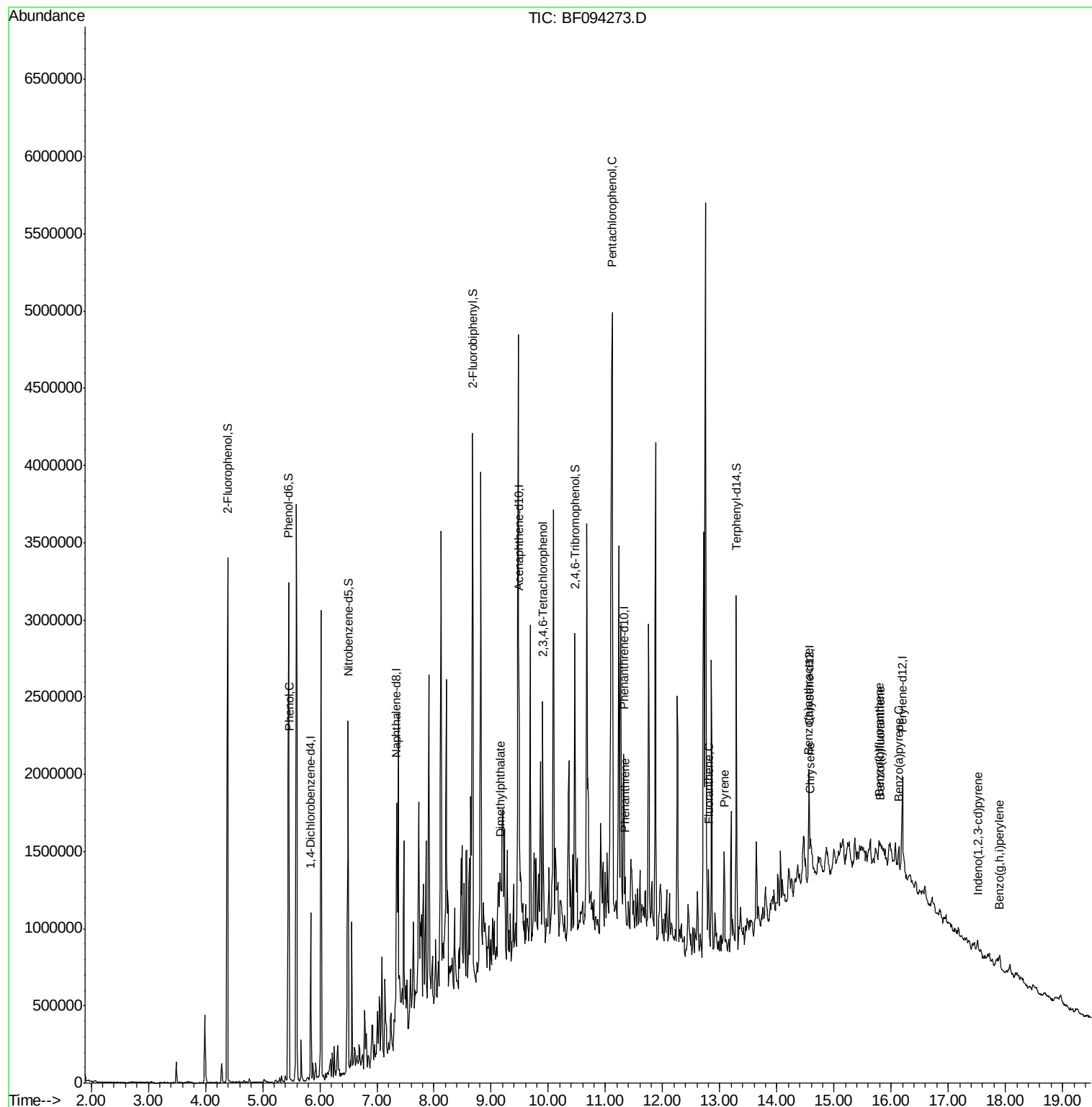
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094273.D
Acq On : 7 Apr 2017 15:18
Operator : SJ/MA
Sample : I2569-01
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ALS Vial : 8 Sample Multiplier: 1

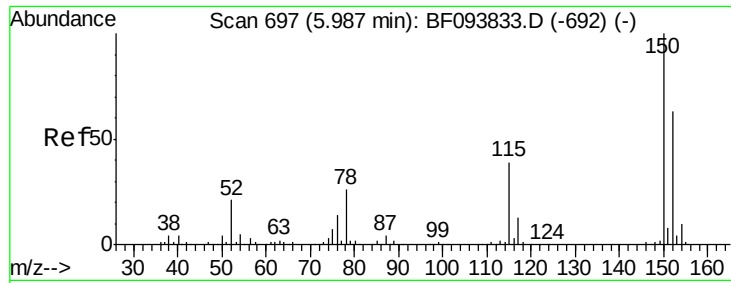
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

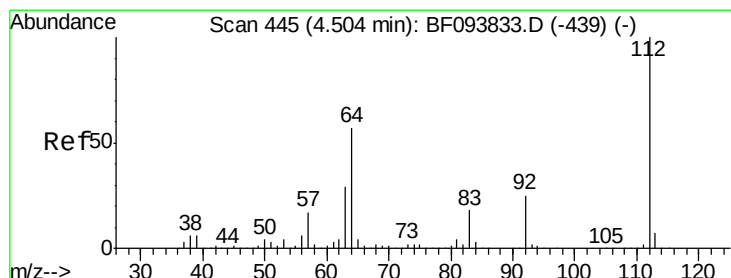
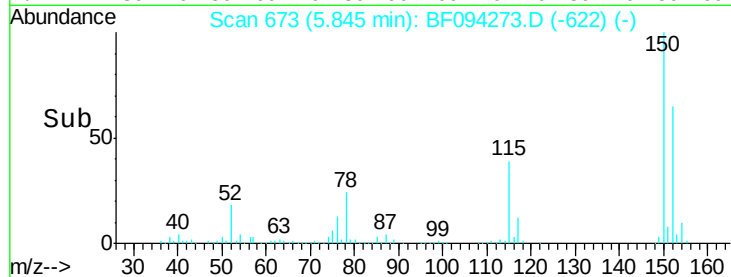
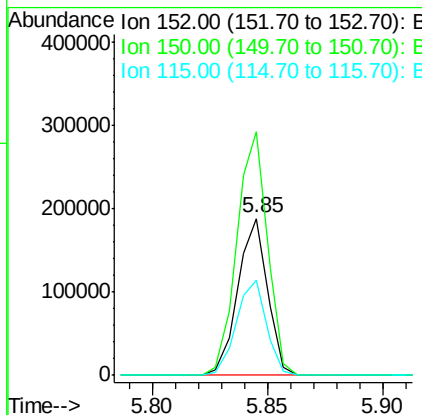
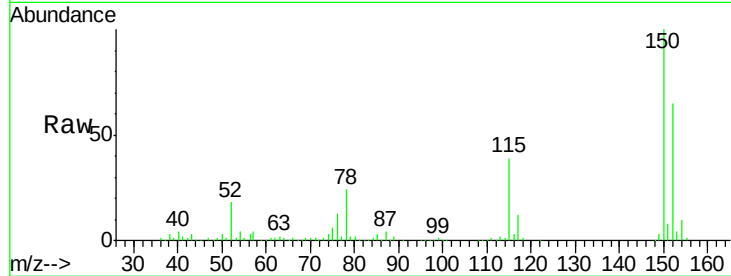
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 673
Delta R.T. -0.00 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Instrument :
BNA_F
ClientSampleId :
RT3456-275030

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	60.6	52.2	78.2

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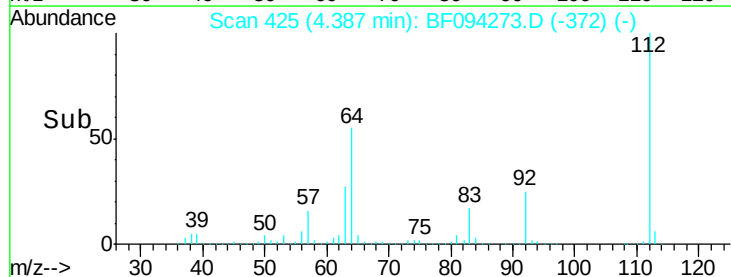
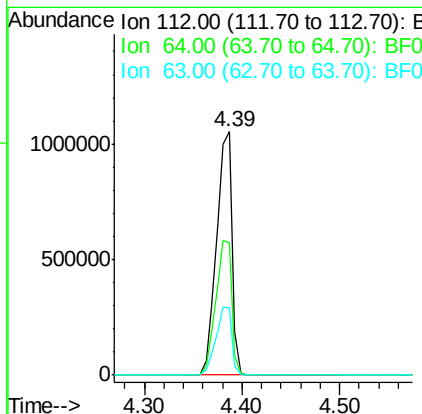
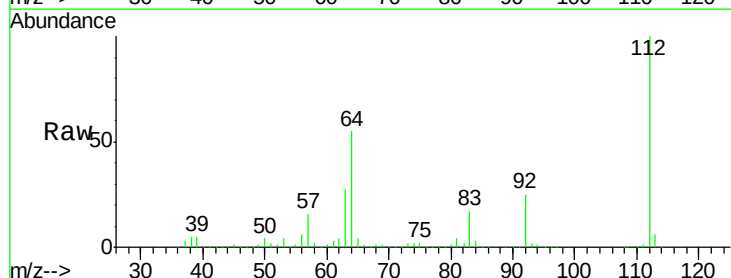
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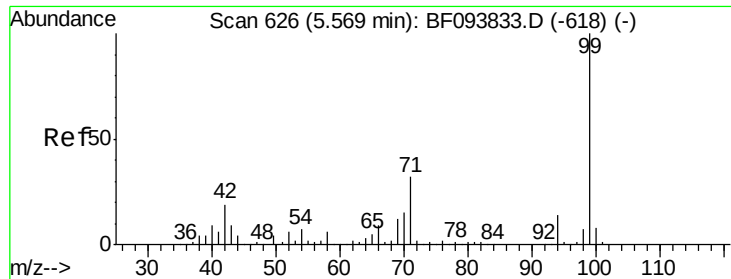


#5

2-Fluorophenol
Concen: 115.39 ng
RT: 4.39 min Scan# 425
Delta R.T. 0.01 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	46.0	69.0
63	27.3	23.4	35.0





#7

Phenol-d6

Concen: 119.05 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.00 min

Lab File: BF094273.D

Acq: 7 Apr 2017 15:18

Instrument :

BNA_F

ClientSampleId :

RT3456-275030

Tot Ion: 99 Resp: 1479930

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

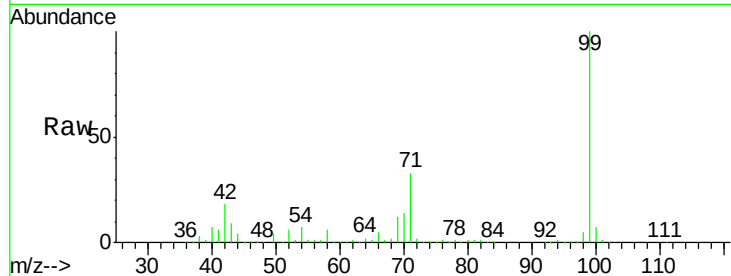
71 33.3 24.5 36.7

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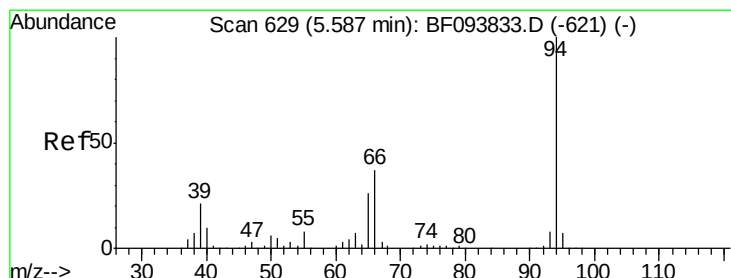
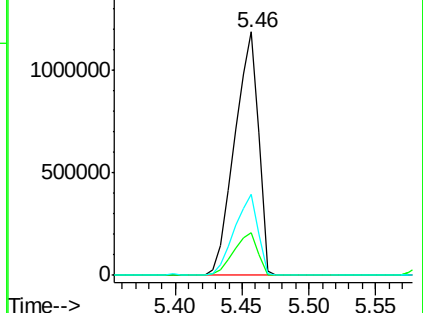
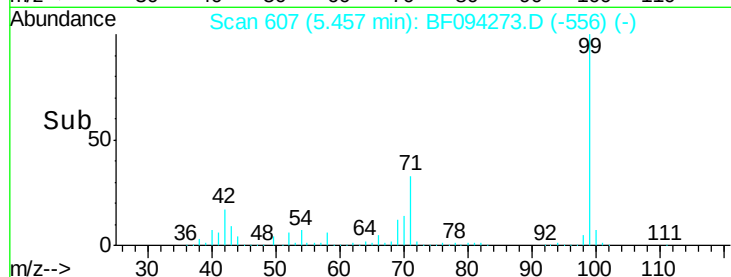
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.49 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094273.D

Acq: 7 Apr 2017 15:18

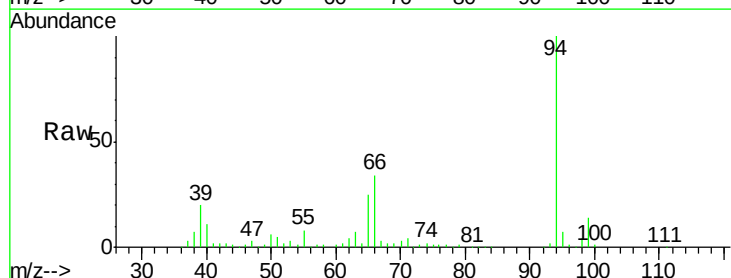
Tgt Ion: 94 Resp: 105891

Ion Ratio Lower Upper

94 100

65 24.8 9.9 49.9

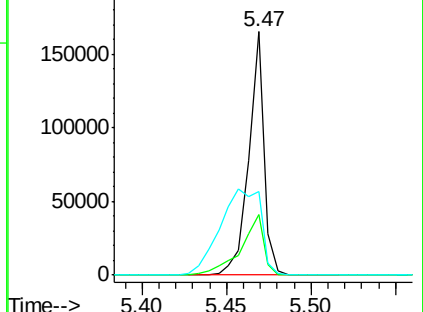
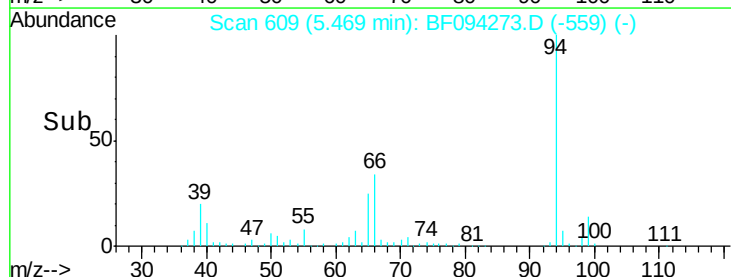
66 34.2 23.1 63.1

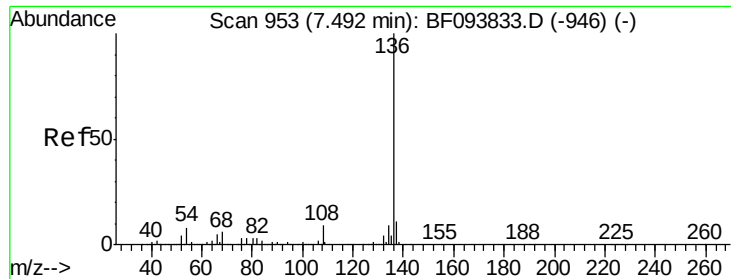


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





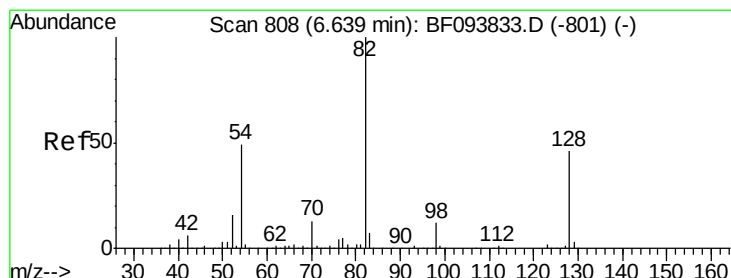
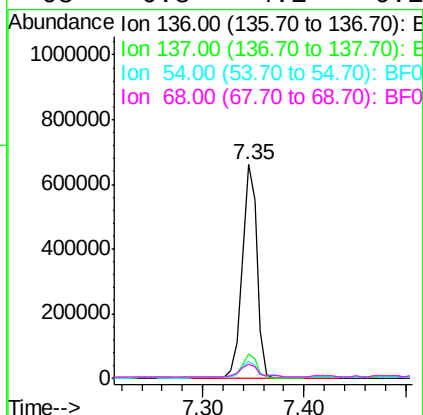
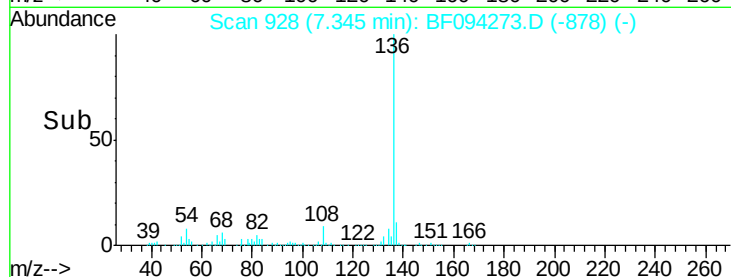
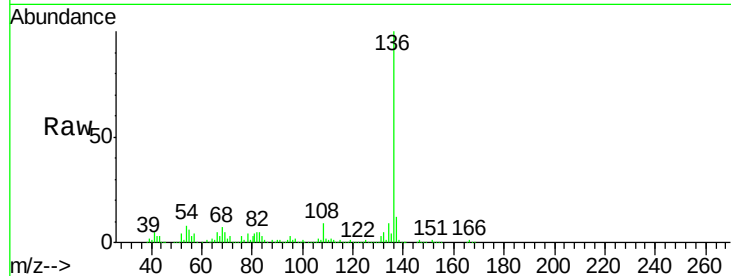
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.35 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Instrument :
BNA_F
ClientSampleId :
RT3456-275030

Tot Ion	Ratio	Resp	Lower	Upper
136	100	662614		
137	11.7	8.5	12.7	
54	8.1	4.9	7.3#	
68	6.8	4.1	6.1#	

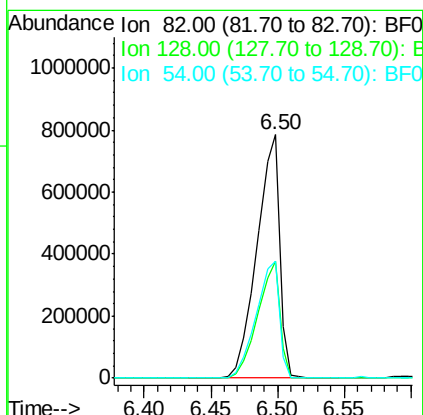
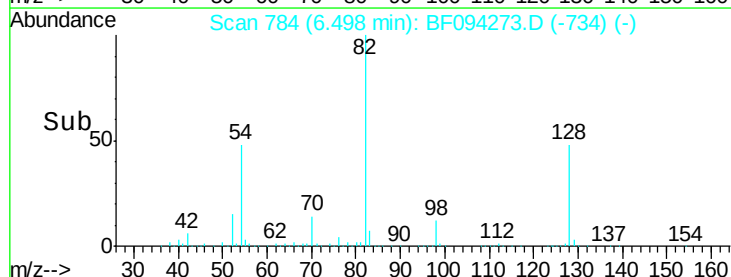
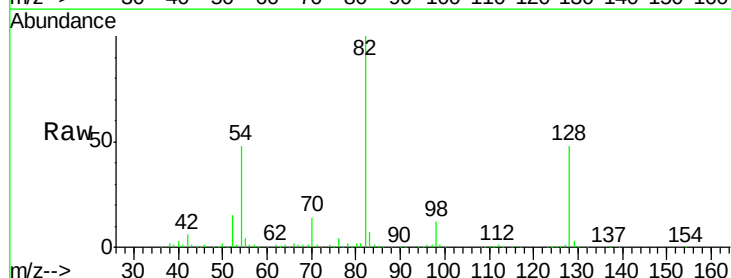
Manual Integrations
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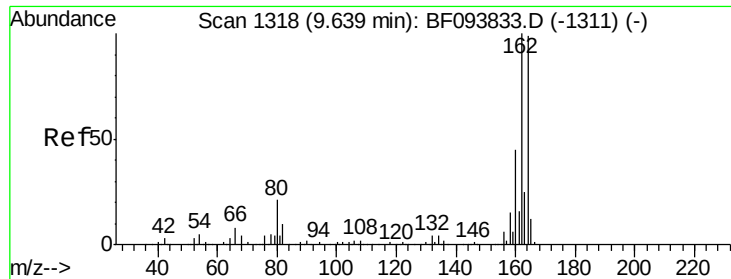
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#23
Nitrobenzene-d5
Concen: 78.86 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	915684		
128	48.0	34.0	51.0	
54	47.9	42.2	63.2	





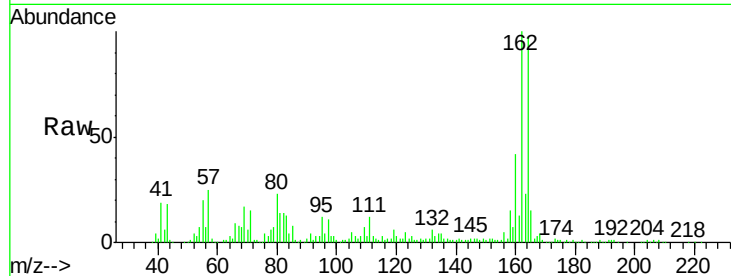
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Instrument :
 BNA_F
 ClientSampleId :
 RT3456-275030

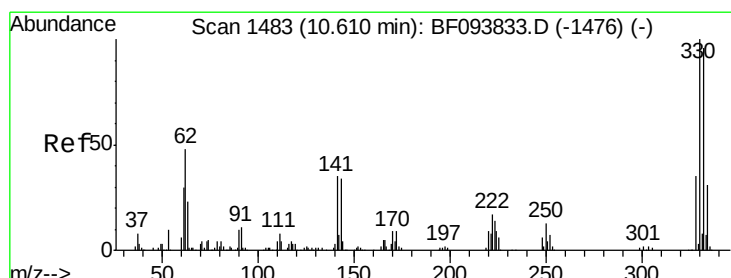
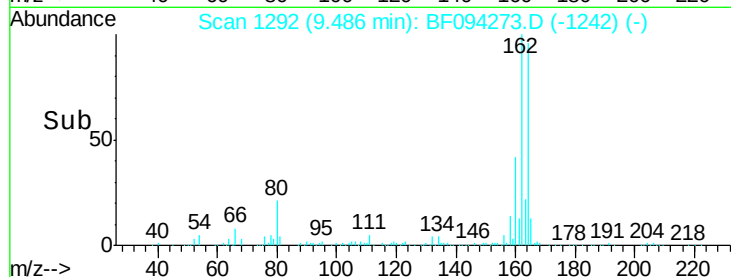
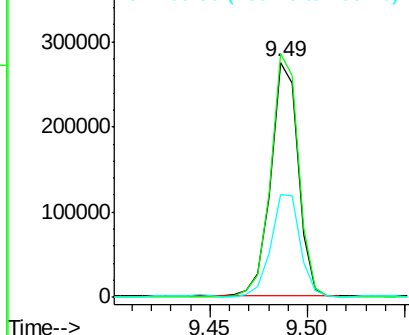
Tot Ion:	164	Resp:	267849
Ion Ratio	Lower	Upper	
164	100		
162	103.6	82.6	123.8
160	44.0	36.2	54.2

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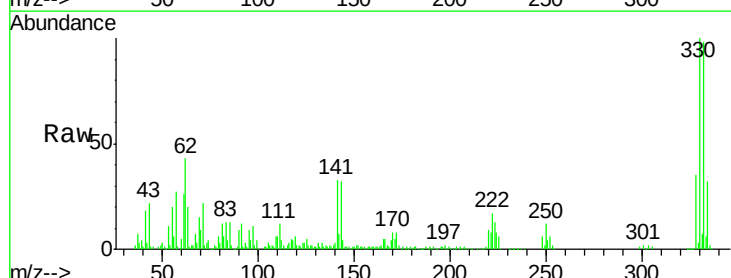


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

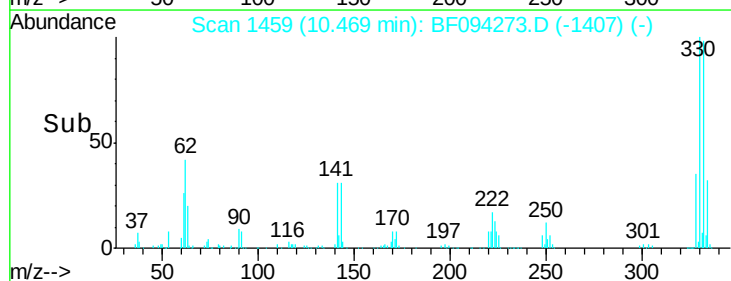
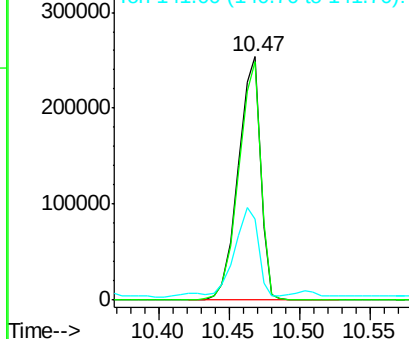


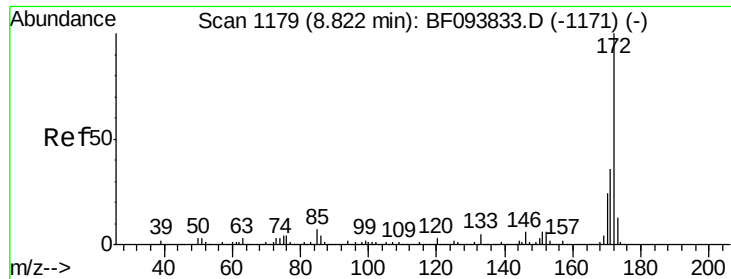
#41
 2,4,6-Tribromophenol
 Concen: 131.71 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Tgt Ion:	330	Resp:	278777
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.6	115.0
141	38.1	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





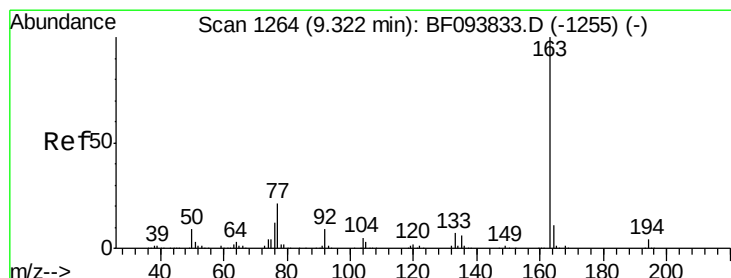
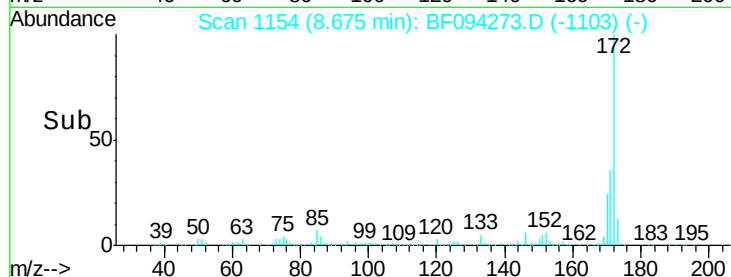
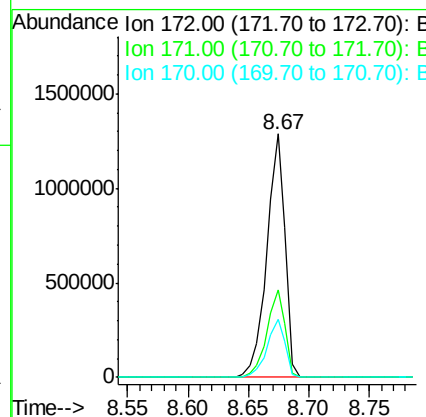
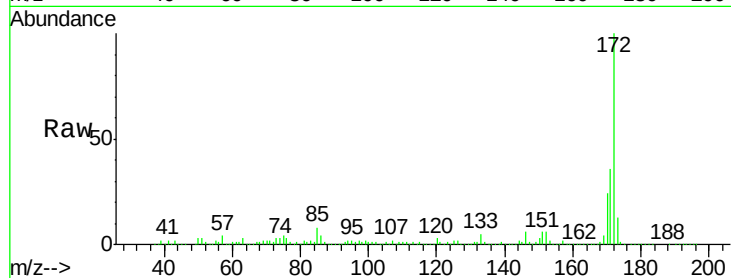
#44
2-Fluorobiphenyl
Concen: 77.11 ng
RT: 8.67 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Instrument :
BNA_F
ClientSampleId :
RT3456-275030

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.9	19.8	29.8

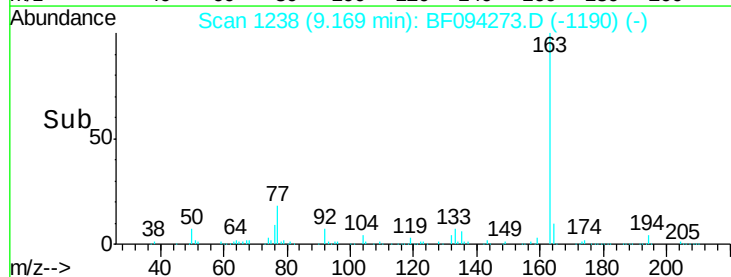
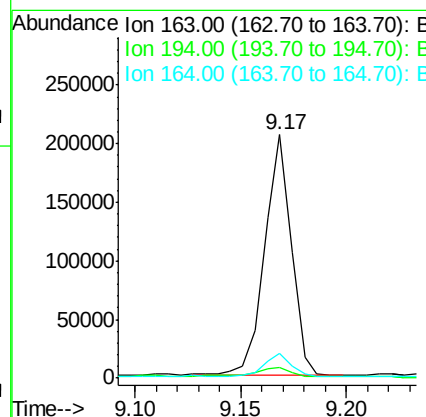
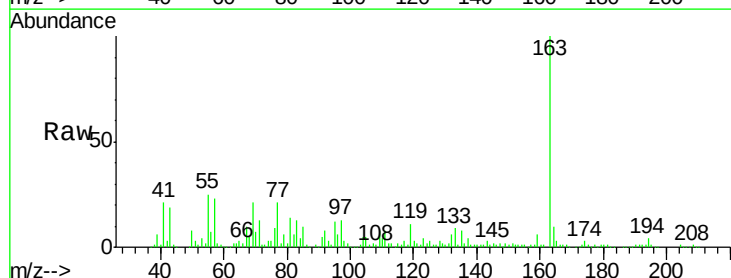
Manual Integrations
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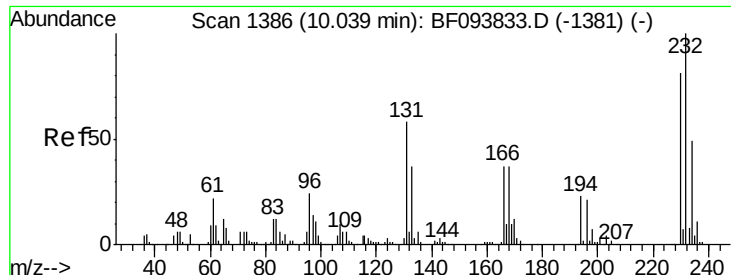
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#49
Dimethylphthalate
Concen: 9.44 ng
RT: 9.17 min Scan# 1238
Delta R.T. -0.02 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.6	4.0#
164	10.1	8.4	12.6





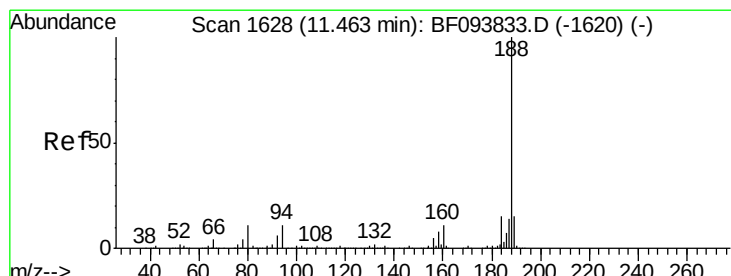
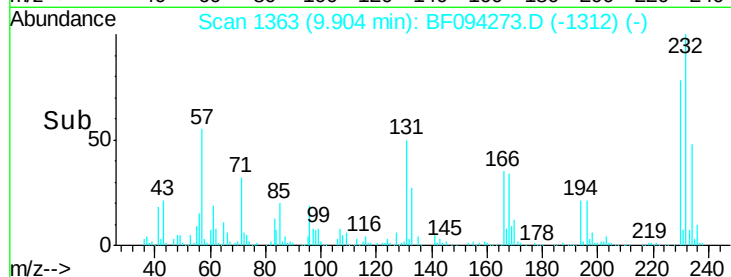
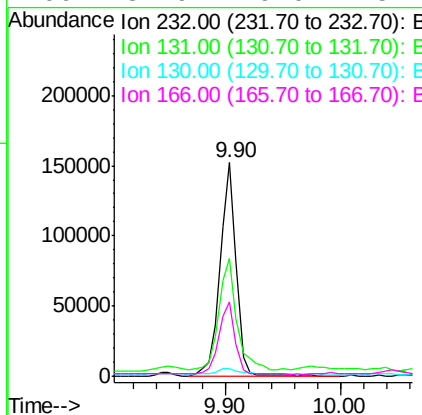
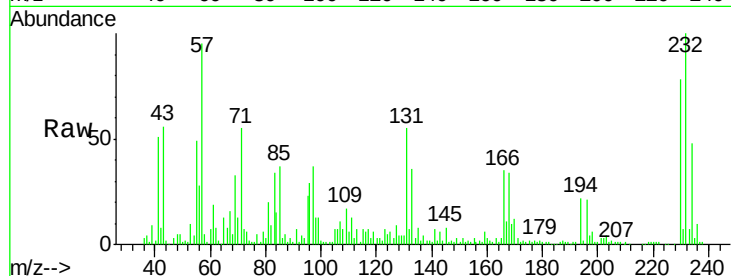
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 38.36 ng
 RT: 9.90 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Instrument :
 BNA_F
 ClientSampleId :
 RT3456-275030

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		147643		
131	59.8		44.8	67.2	
130	4.6		2.3	3.5	
166	32.9		29.0	43.4	

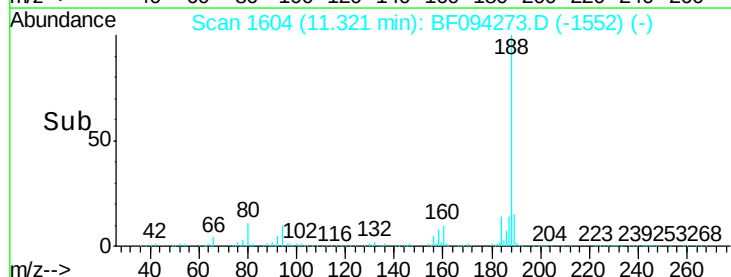
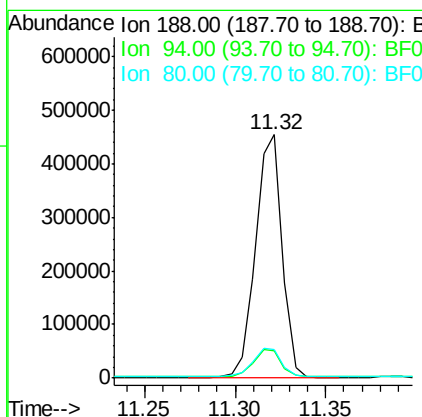
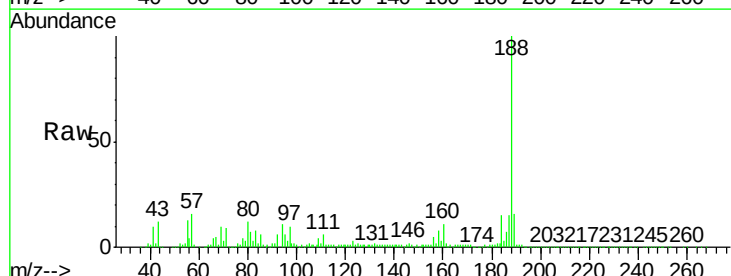
Manual Integrations
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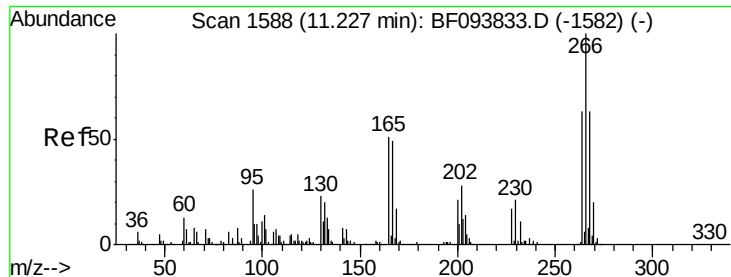
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1604
 Delta R.T. 0.01 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		462121		
94	11.0		9.4	14.2	
80	11.6		10.2	15.2	





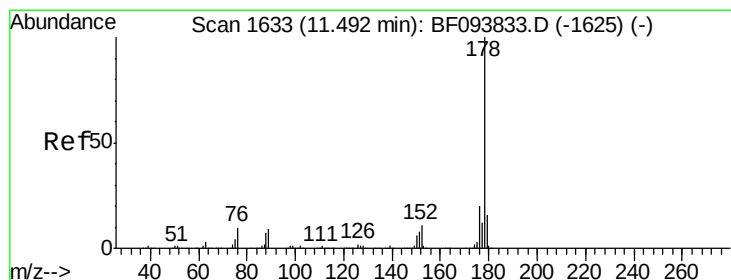
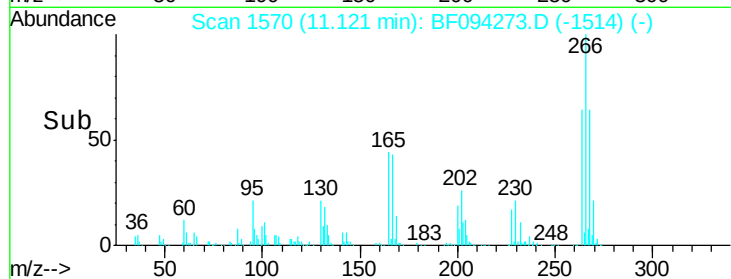
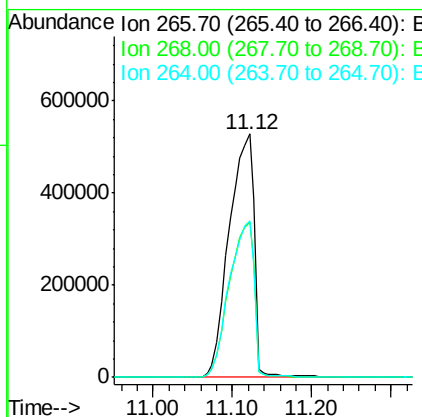
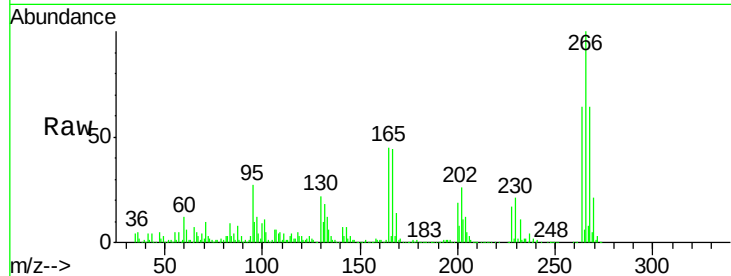
#69
 Pentachlorophenol
 Concen: 405.16 ng
 RT: 11.12 min Scan# 1570
 Delta R.T. 0.03 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Instrument :
 BNA_F
 ClientSampleId :
 RT3456-275030

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.1	76.7
264	64.3	51.7	77.5

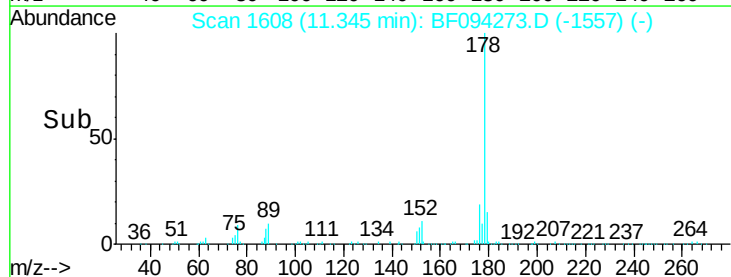
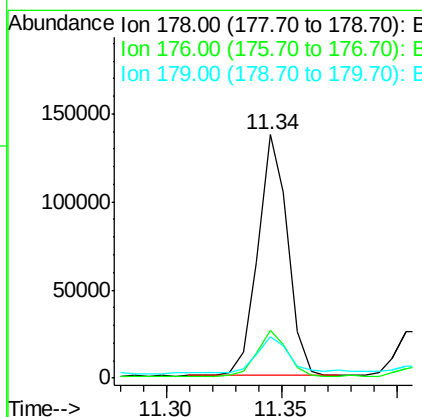
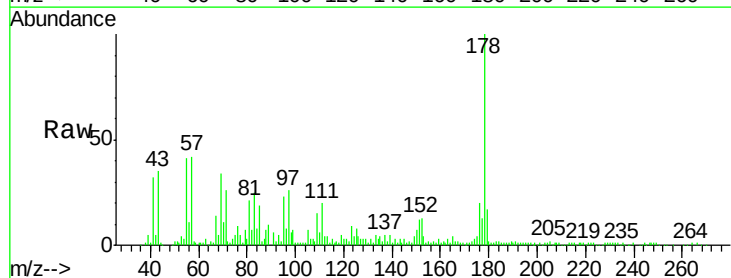
Manual Integrations
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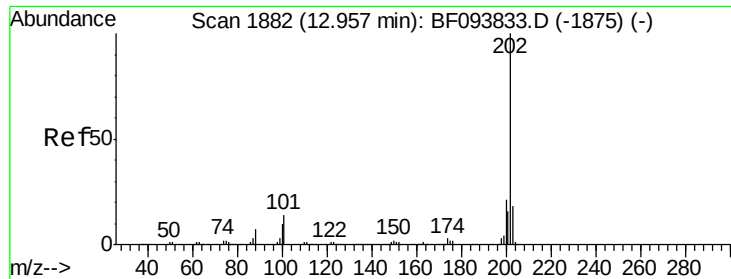
mohammad
 4/10/2017 2:07:33 PM



#70
 Phenanthrene
 Concen: 4.79 ng
 RT: 11.34 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	17.0	12.6	19.0





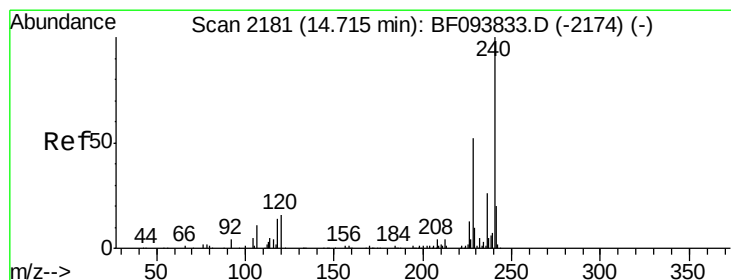
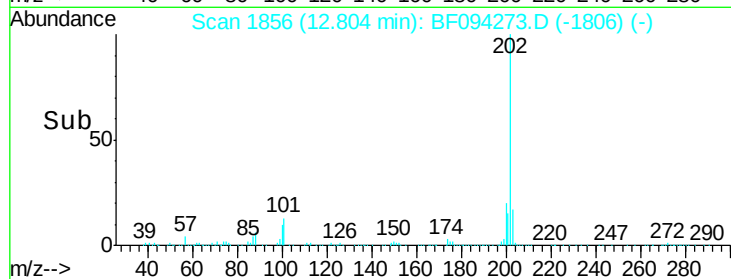
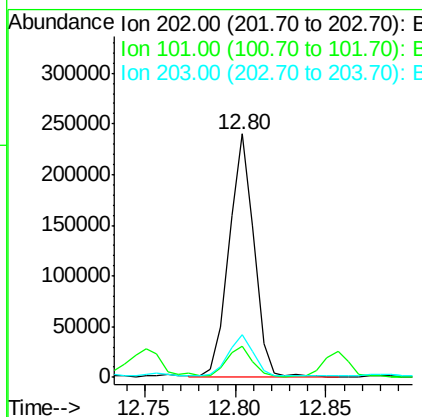
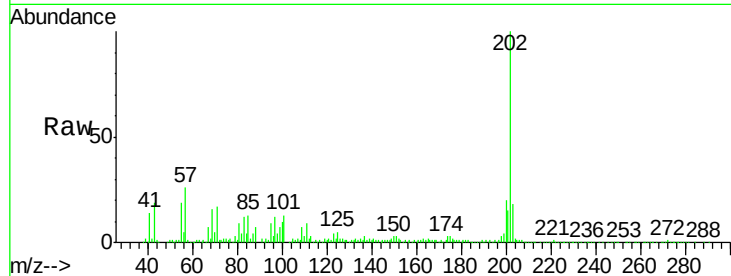
#74
 Fluoranthene
 Concen: 8.62 ng
 RT: 12.80 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Instrument :
 BNA_F
 ClientSampleId :
 RT3456-275030

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.9	0.0	33.2	
203	17.8	0.0	38.1	

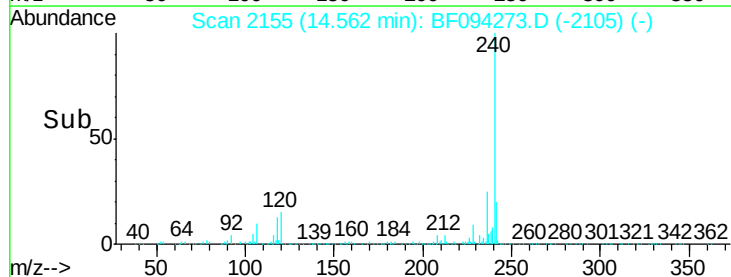
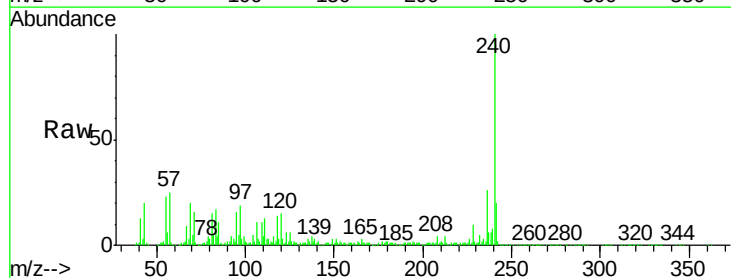
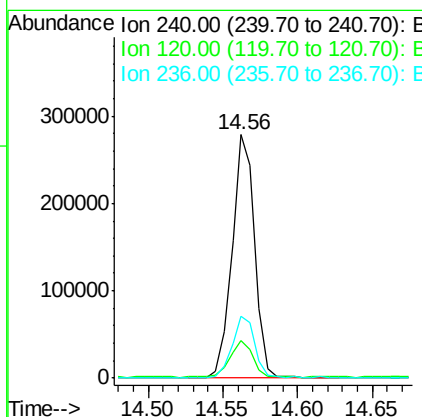
Manual Integrations
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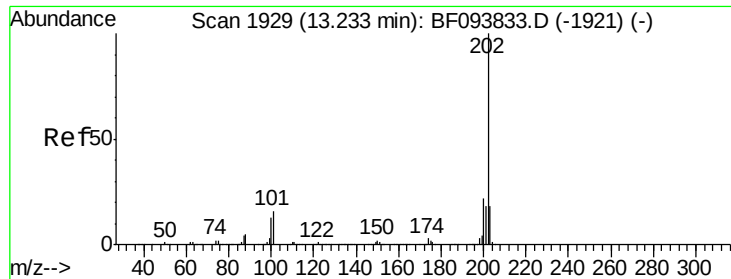
mohammad
 4/10/2017 2:07:33 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.56 min Scan# 2155
 Delta R.T. -0.01 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.5	5.8	8.8#	
236	25.6	20.5	30.7	





#77

Pvrene

Concen: 10.82 ng

RT: 13.08 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BF094273.D

Acq: 7 Apr 2017 15:18

Instrument :

BNA_F

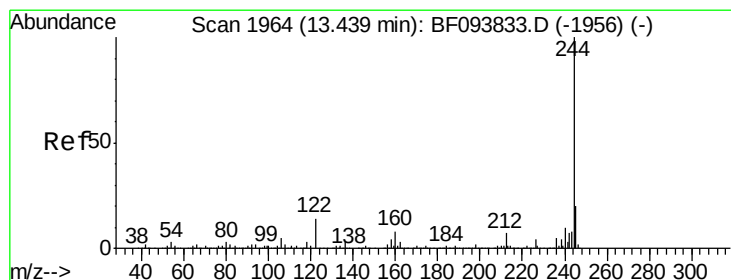
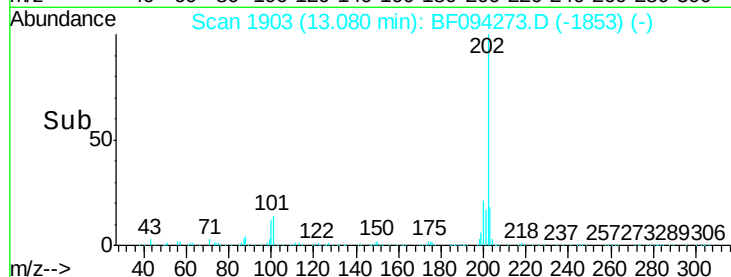
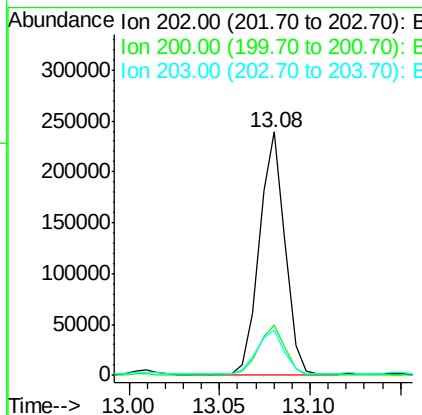
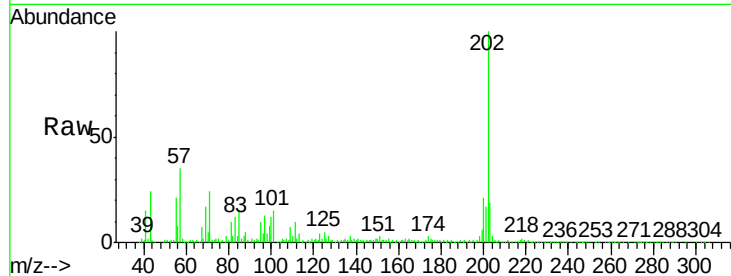
ClientSampleId :

RT3456-275030

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		232369		
200	20.9		17.6	26.4	
203	18.7		14.4	21.6	

Manual Integrations
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#78

Terphenyl-d14

Concen: 69.51 ng

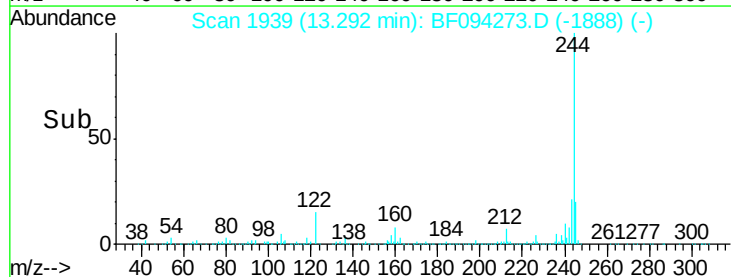
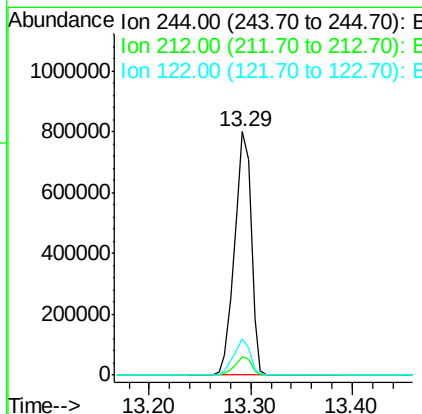
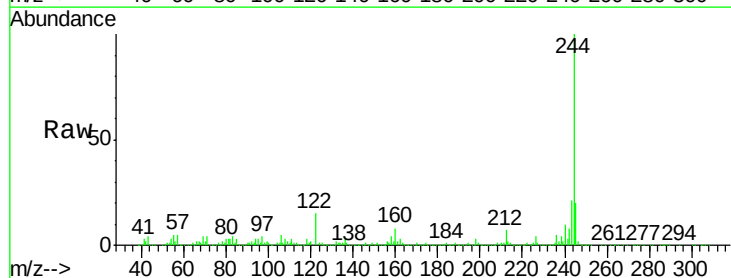
RT: 13.29 min Scan# 1939

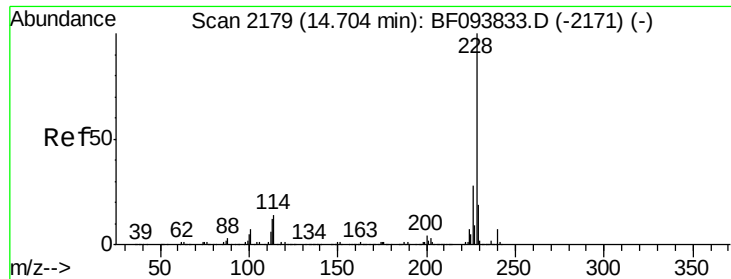
Delta R.T. -0.00 min

Lab File: BF094273.D

Acq: 7 Apr 2017 15:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		917418		
212	7.4		6.0	9.0	
122	15.0		10.3	15.5	





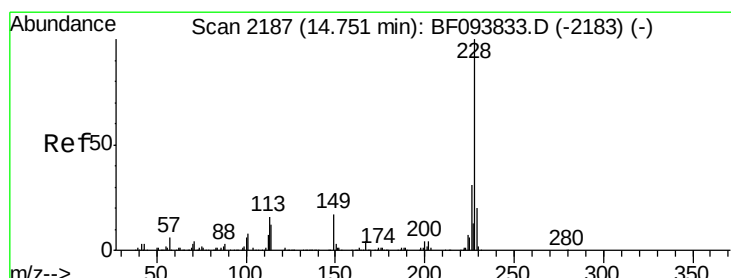
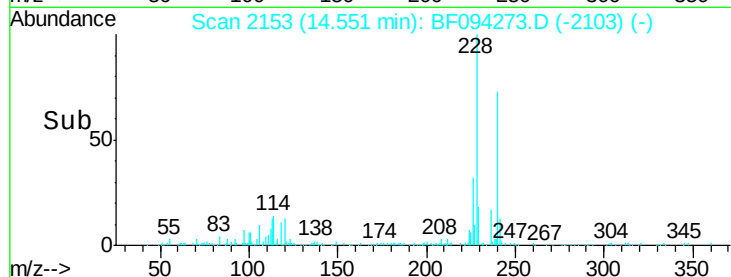
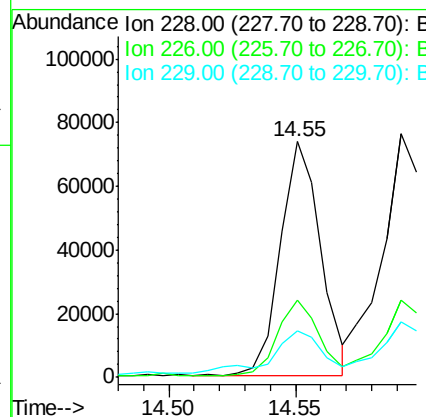
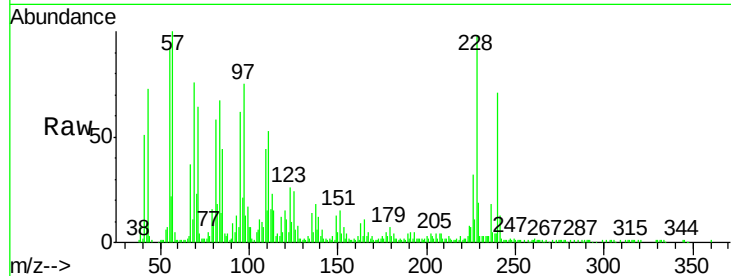
#80
Benzo(a)anthracene
Concen: 4.74 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Instrument :
BNA_F
ClientSampleId :
RT3456-275030

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	19.9	16.3	24.5

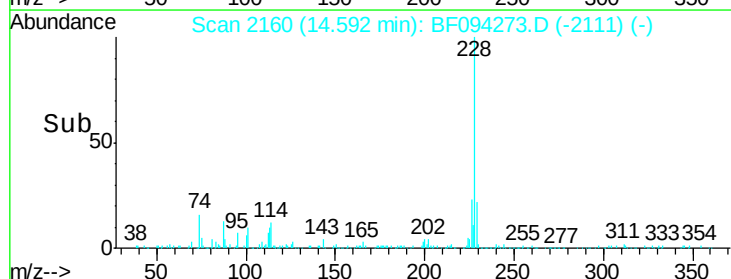
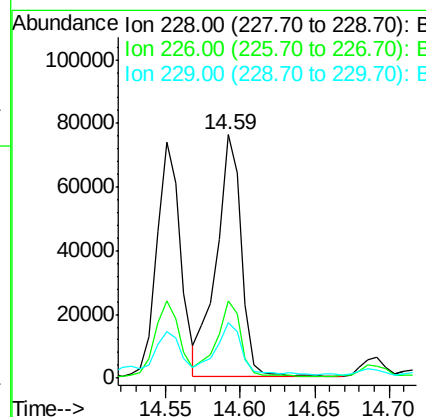
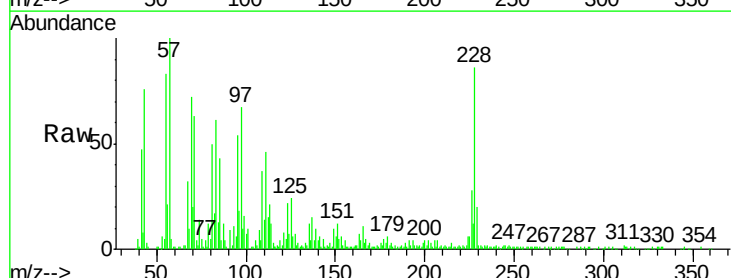
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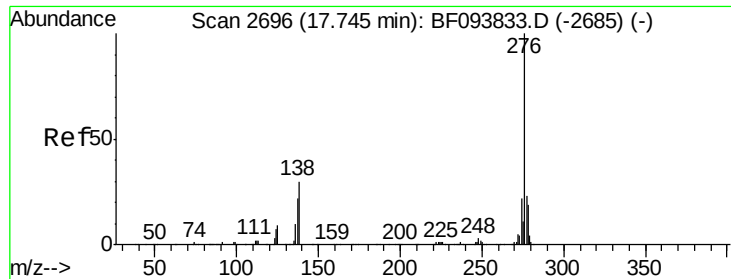
mohammad
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#82
Chrysene
Concen: 5.56 ng
RT: 14.59 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	22.9	15.8	23.6





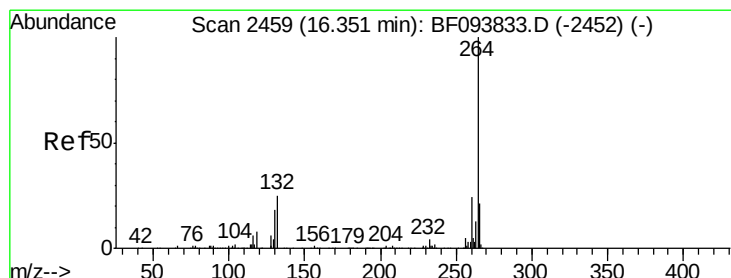
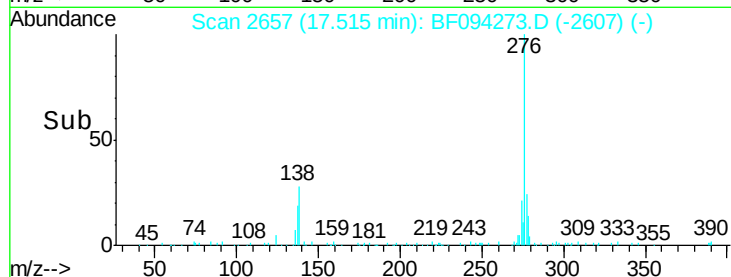
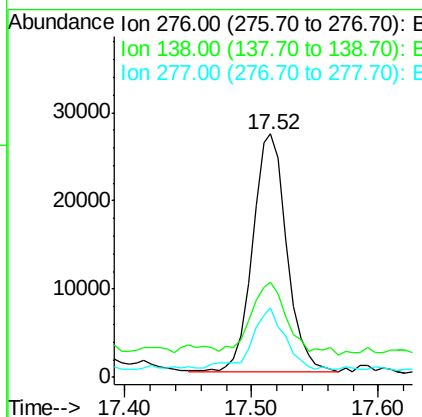
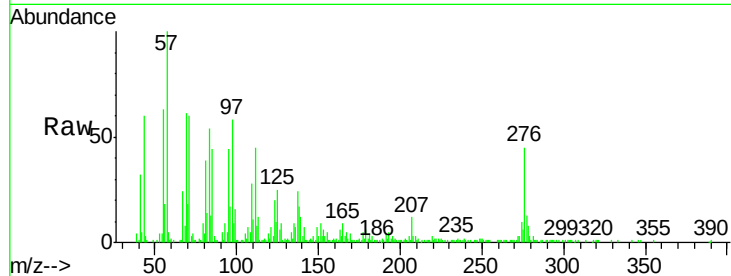
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.62 ng
 RT: 17.52 min Scan# 2657
 Delta R.T. -0.01 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Instrument :
 BNA_F
 ClientSampleId :
 RT3456-275030

Tot Ion:	276	Resp:	50161
Ion Ratio	Lower	Upper	
276	100		
138	30.6	27.8	41.6
277	25.3	20.2	30.4

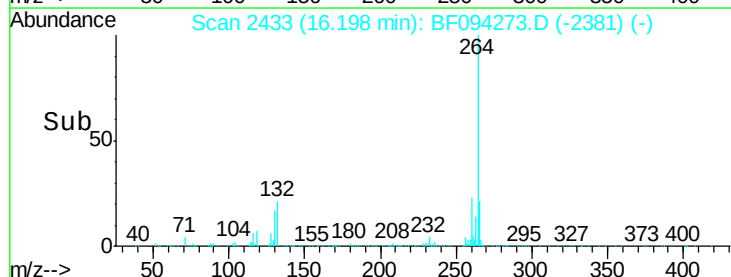
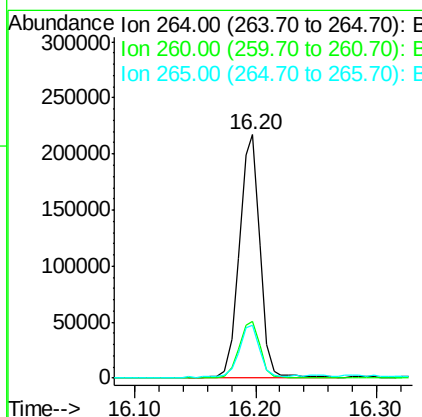
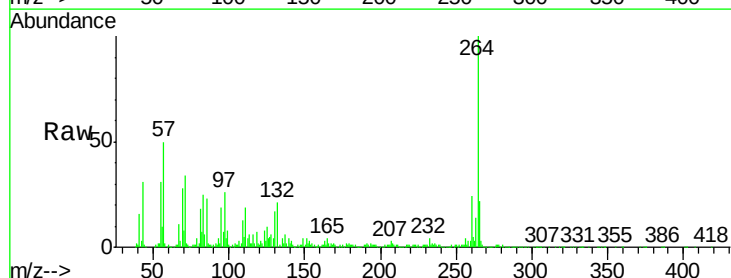
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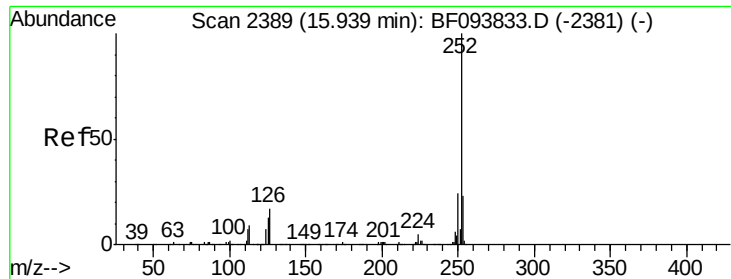
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.20 min Scan# 2433
 Delta R.T. 0.01 min
 Lab File: BF094273.D
 Acq: 7 Apr 2017 15:18

Tgt Ion:	264	Resp:	255047
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.5	29.3
265	21.6	17.2	25.8





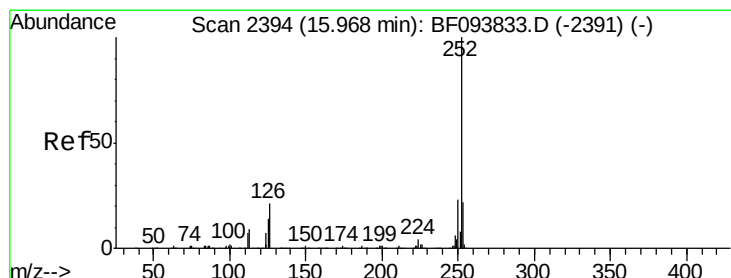
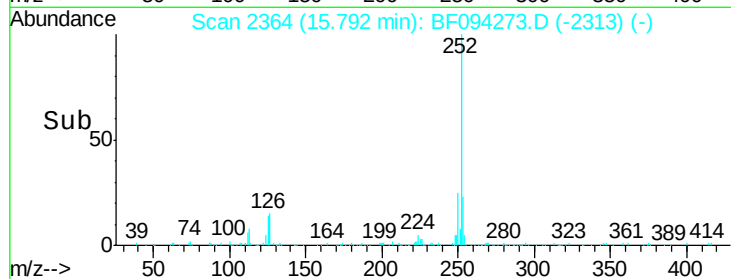
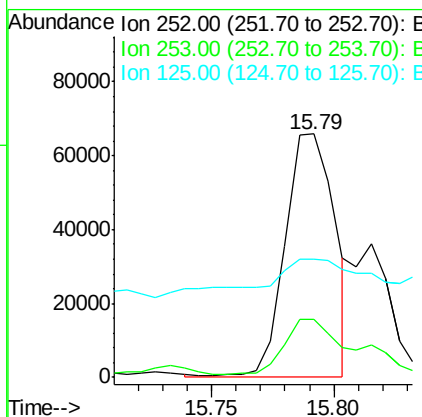
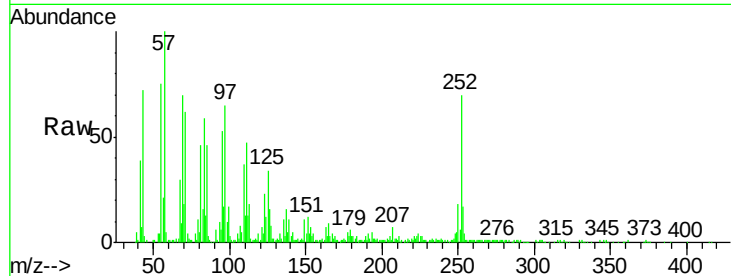
#87
Benzo(b)fluoranthene
Concen: 6.03 ng m
RT: 15.79 min Scan# 2364
Delta R.T. -0.00 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Instrument :
BNA_F
ClientSampleId :
RT3456-275030

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	48.7	9.8	14.8

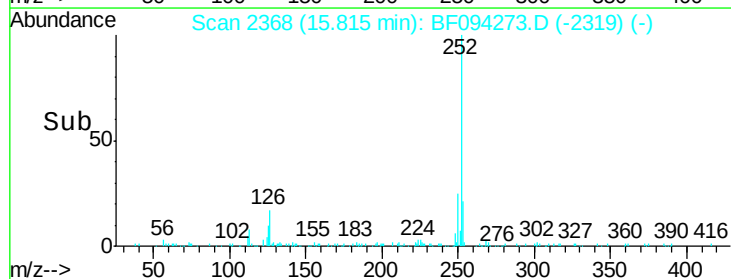
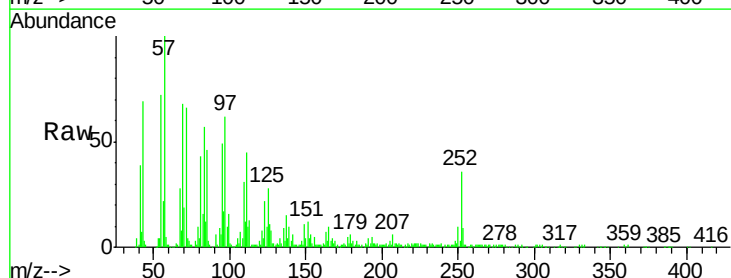
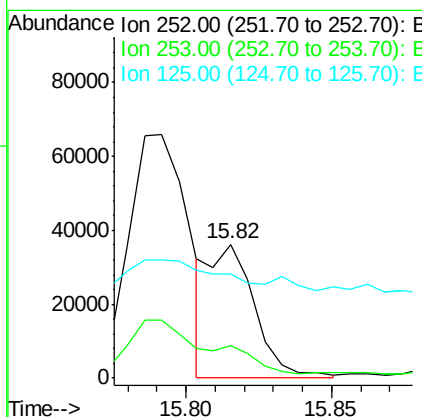
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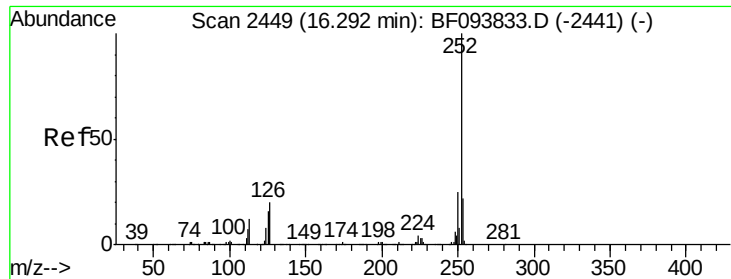
mohammad
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#88
Benzo(k)fluoranthene
Concen: 2.54 ng m
RT: 15.82 min Scan# 2368
Delta R.T. -0.01 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	77.6	13.1	19.7





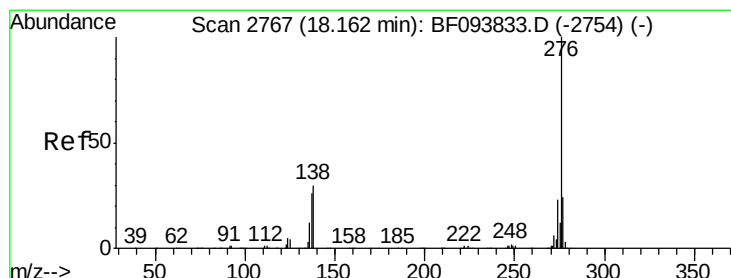
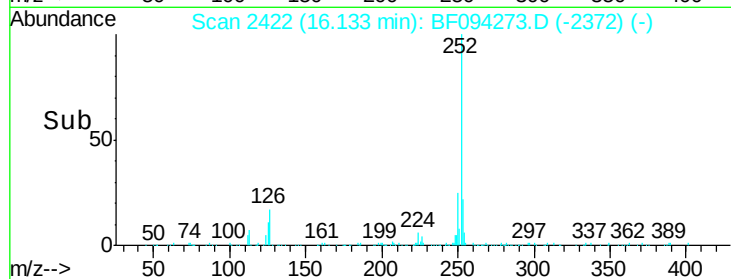
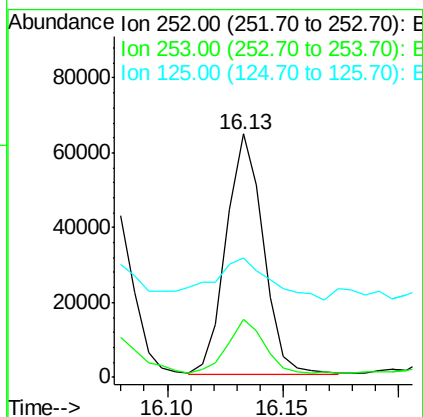
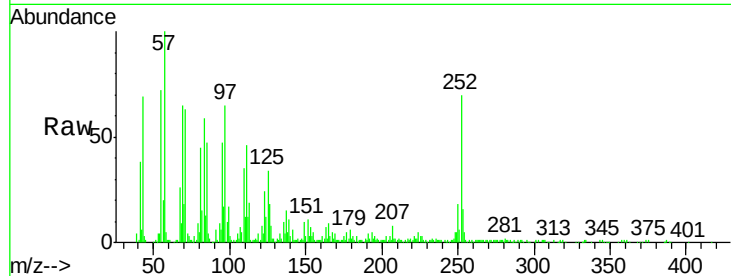
#89
Benzo(a)pyrene
Concen: 4.97 ng
RT: 16.13 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Instrument :
BNA_F
ClientSampleId :
RT3456-275030

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	48.9	11.0	16.4

Manual Integrations
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4/10/2017 2:07:33 PM



#91
Benzo(g,h,i)perylene
Concen: 4.15 ng
RT: 17.90 min Scan# 2723
Delta R.T. -0.01 min
Lab File: BF094273.D
Acq: 7 Apr 2017 15:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	39.9	25.4	38.0

