

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041317\
 Data File : BF094427.D
 Acq On : 14 Apr 2017 12:34
 Operator : SJ/MA
 Sample : I2672-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW-2

Manual Integrations
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Quant Time: Apr 14 13:22:52 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	146194	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	560392	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	236779	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	356584	20.00	ng	-0.05
75) Chrysene-d12	14.50	240	264814	20.00	ng	-0.05
86) Perylene-d12	16.12	264	206504	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	876723	101.29	ng	-0.04
7) Phenol-d6	5.42	99	1090051	101.80	ng	-0.05
23) Nitrobenzene-d5	6.43	82	670128	68.24	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	179873	96.13	ng	-0.05
44) 2-Fluorobiphenyl	8.61	172	1138294	73.33	ng	-0.05
78) Terphenyl-d14	13.23	244	679762	57.54	ng	-0.05
Target Compounds						Qvalue
10) Phenol	5.43	94	66557	5.46	ng	88
49) Dimethylphthalate	9.10	163	199794	11.87	ng	99
51) Acenaphthene	9.46	154	40903	2.82	ng	94
57) Fluorene	10.09	166	52866	3.23	ng	98
70) Phenanthrene	11.27	178	417870	21.07	ng	99
71) Anthracene	11.33	178	125425	6.14	ng	97
74) Fluoranthene	12.75	202	602514	29.66	ng	99
77) Pyrene	13.02	202	523077	27.22	ng	97
80) Benzo(a)anthracene	14.49	228	251524	16.29	ng	98
82) Chrysene	14.53	228	230138	16.06	ng	98
85) Indeno(1,2,3-cd)pyrene	17.40	276	86998	7.01	ng	95
87) Benzo(b)fluoranthene	15.72	252	267174m	21.11	ng	
88) Benzo(k)fluoranthene	15.74	252	64214m	5.18	ng	
89) Benzo(a)pyrene	16.06	252	167357	14.36	ng	99
90) Dibenzo(a,h)anthracene	17.42	278	24388m	2.47	ng	
91) Benzo(g,h,i)perylene	17.78	276	77925	7.83	ng	96

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

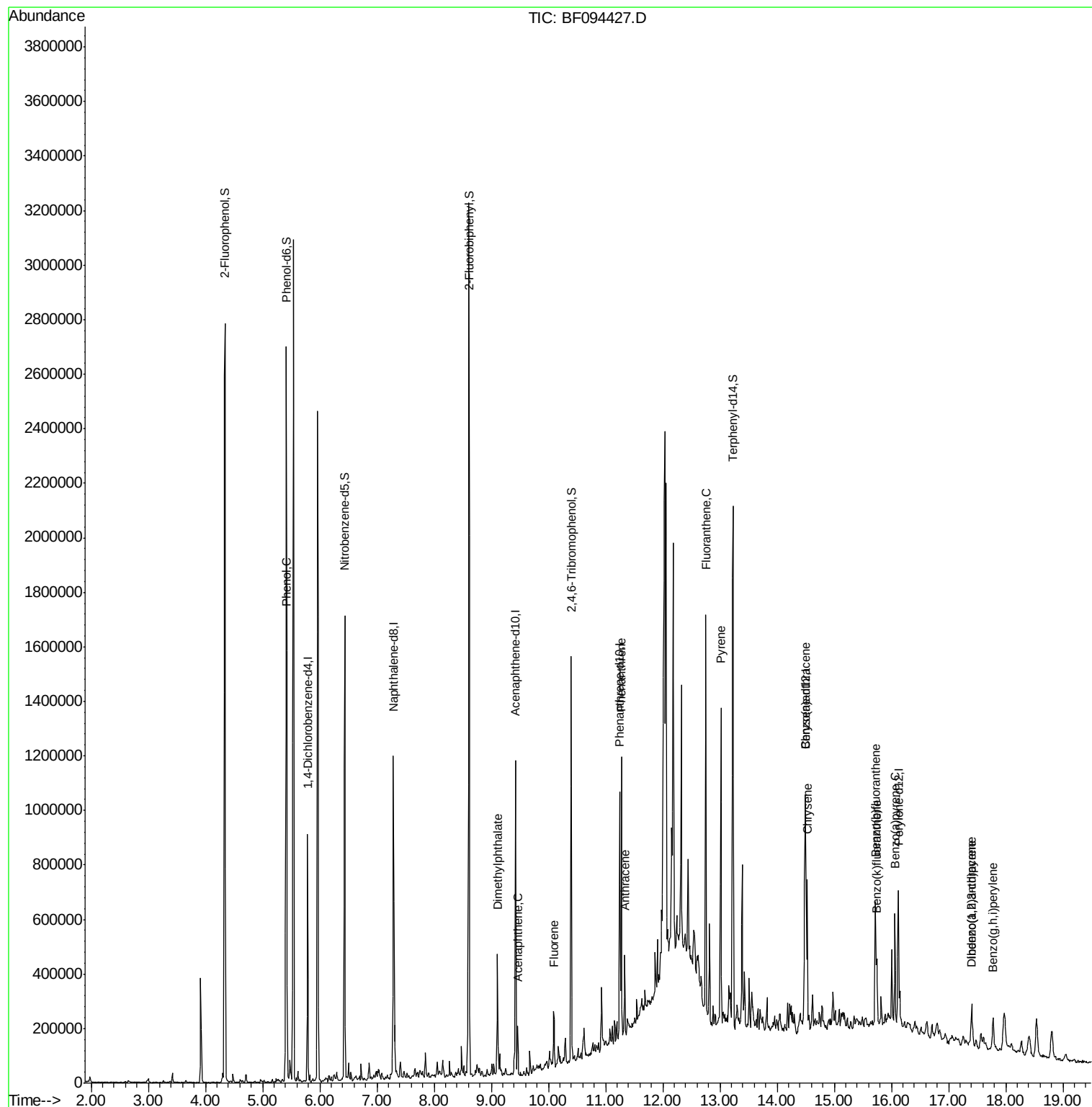
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041317\
Data File : BF094427.D
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Operator : SJ/MA
Sample : I2672-07
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ALS Vial : 38 Sample Multiplier: 1

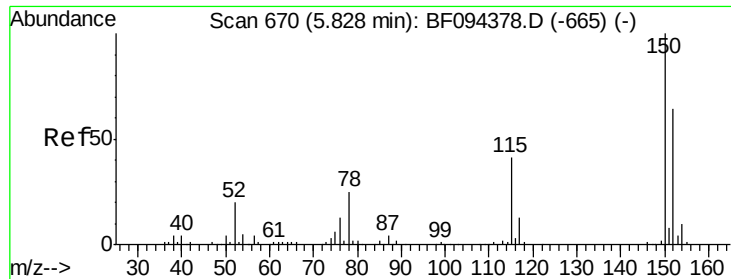
Instrument :
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#1

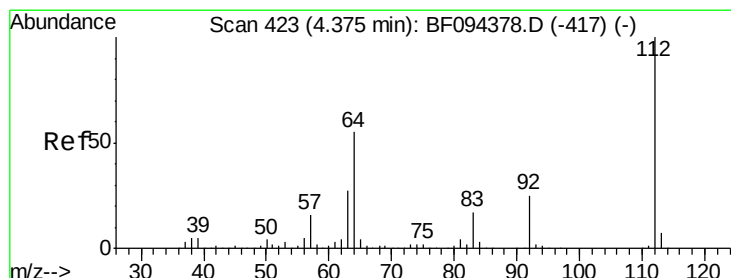
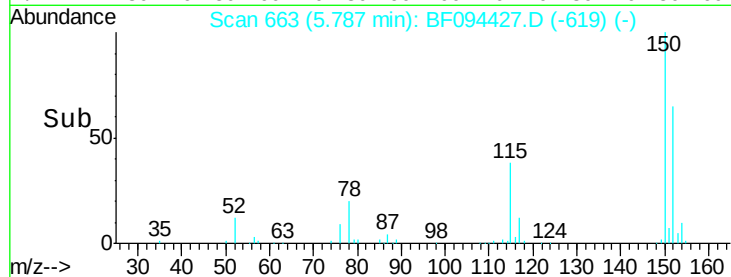
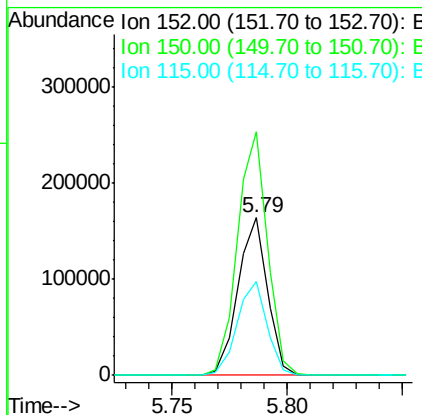
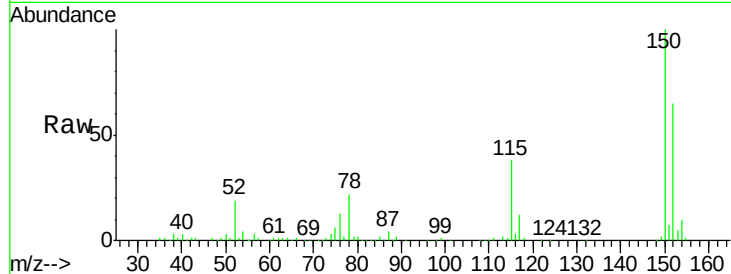
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	59.3	52.2	78.2

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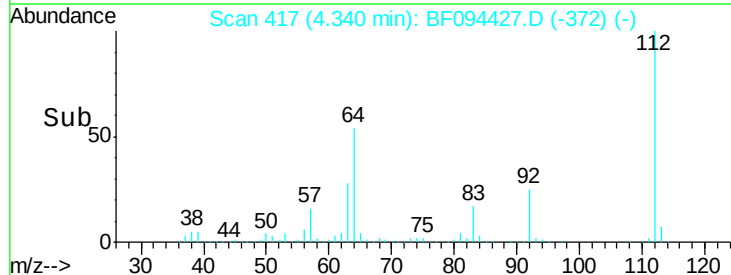
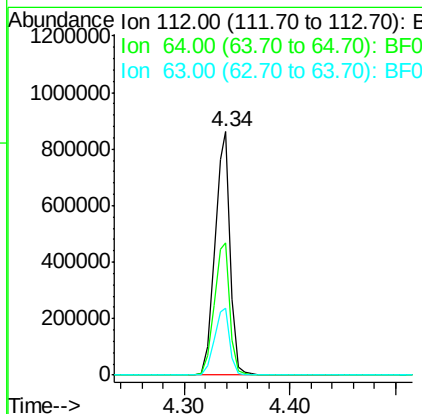
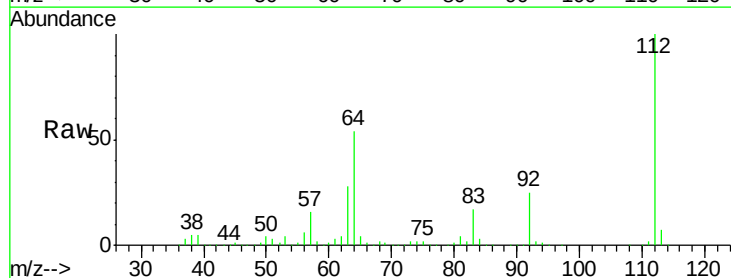
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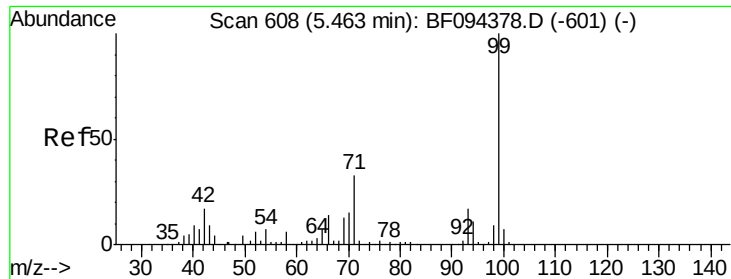


#5

2-Fluorophenol
Concen: 101.29 ng
RT: 4.34 min Scan# 417
Delta R.T. -0.04 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	27.6	23.4	35.0





#7

Phenol-d6

Concen: 101.80 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.05 min

Lab File: BF094427.D

Acq: 14 Apr 2017 12:34

Instrument :

BNA_F

ClientSampled :

E2-AA10-SSW-2

Tgt Ion: 99 Resp: 1090051

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

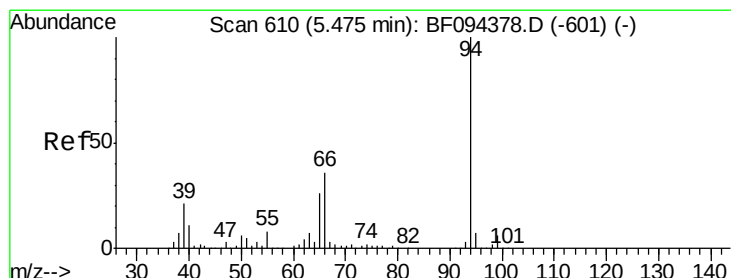
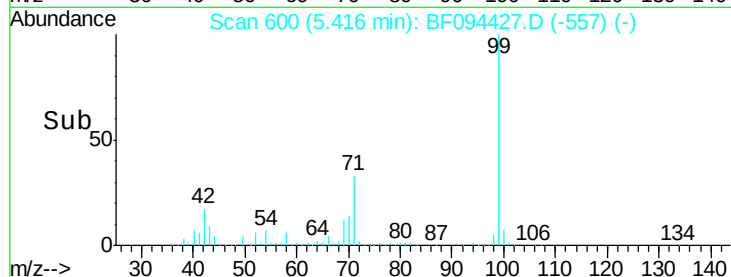
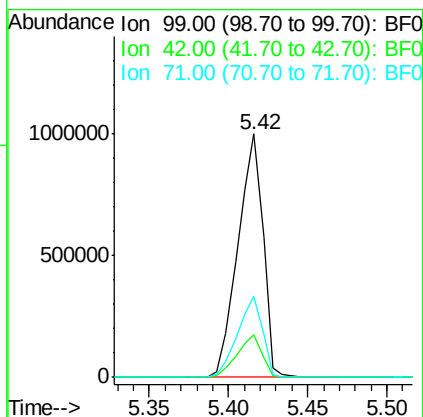
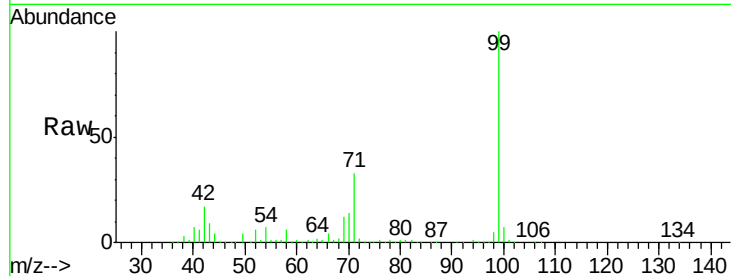
71 33.1 24.5 36.7

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#10

Phenol

Concen: 5.46 ng

RT: 5.43 min Scan# 602

Delta R.T. -0.05 min

Lab File: BF094427.D

Acq: 14 Apr 2017 12:34

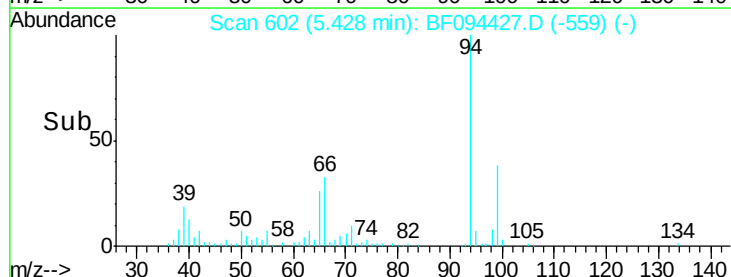
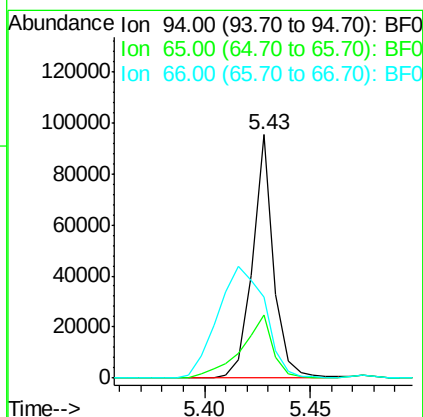
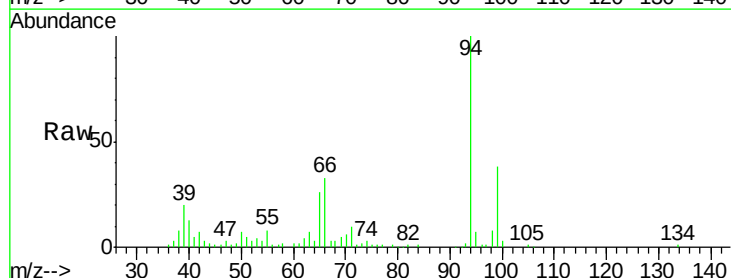
Tgt Ion: 94 Resp: 66557

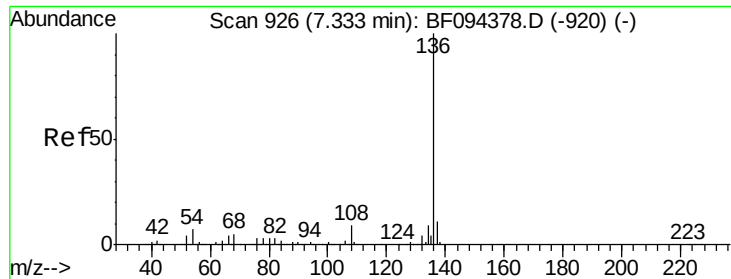
Ion Ratio Lower Upper

94 100

65 25.7 9.9 49.9

66 33.3 23.1 63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF094427.D

Acq: 14 Apr 2017 12:34

Instrument :

BNA_F

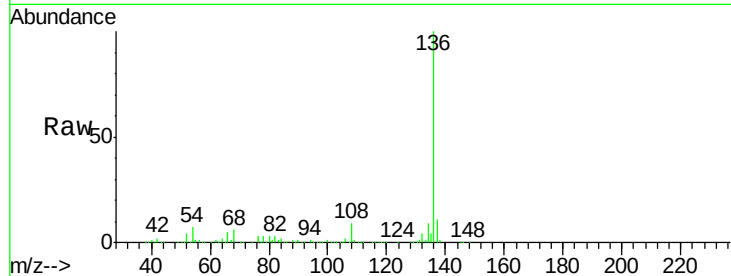
ClientSampleId :

E2-AA10-SSW-2

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.4	4.9	7.3#
68	5.8	4.1	6.1

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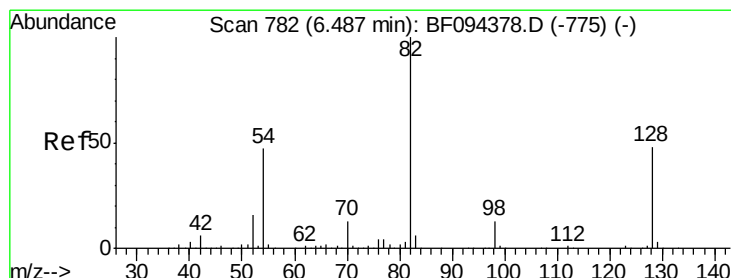
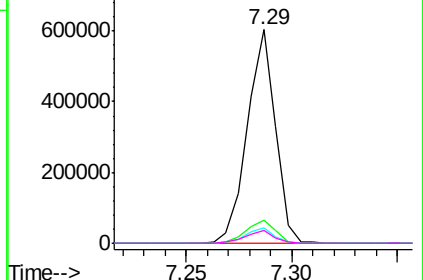
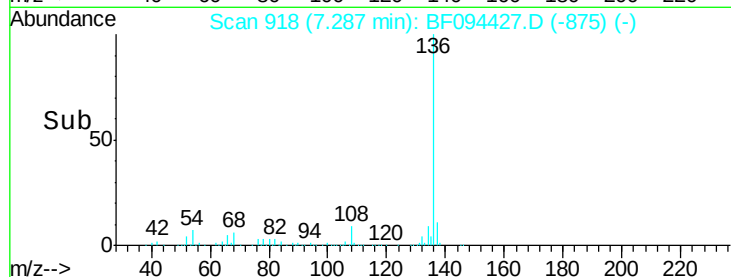


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.24 ng

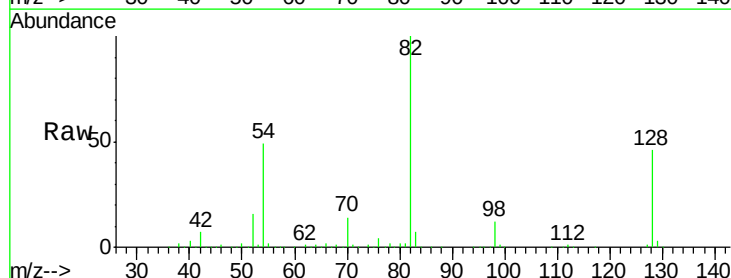
RT: 6.43 min Scan# 773

Delta R.T. -0.05 min

Lab File: BF094427.D

Acq: 14 Apr 2017 12:34

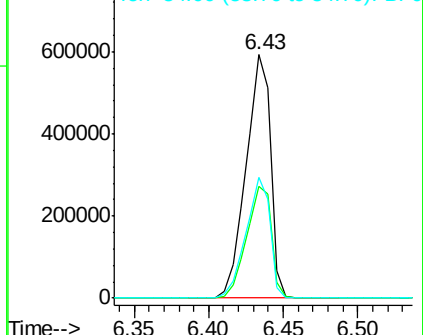
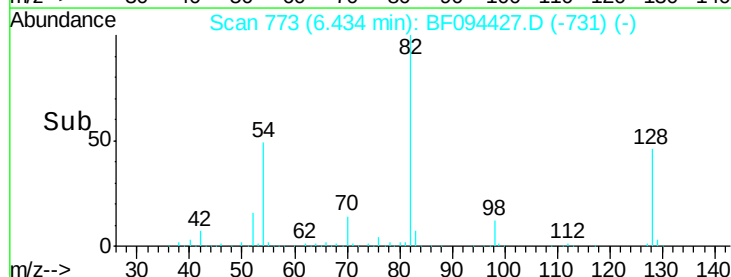
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.0	34.0	51.0
54	49.4	42.2	63.2

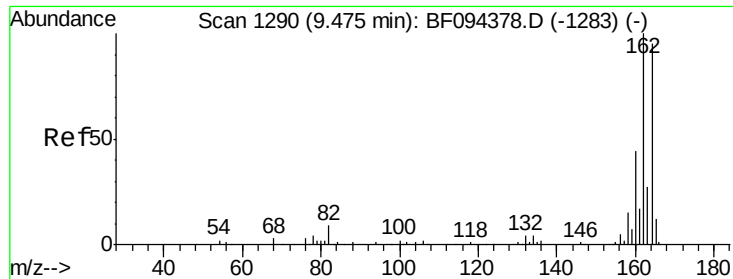


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





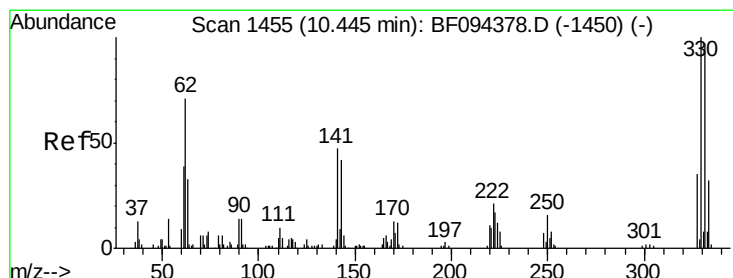
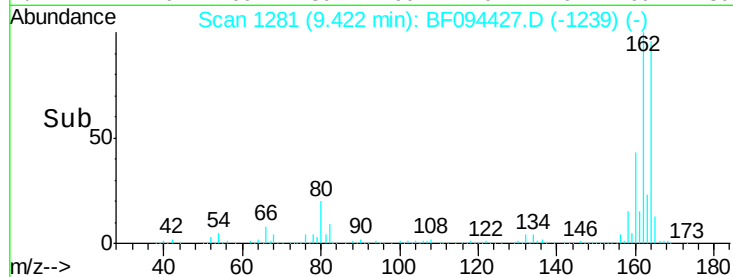
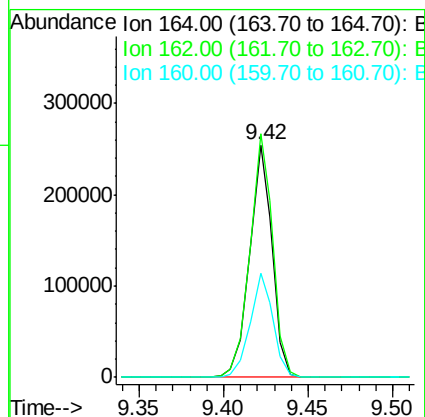
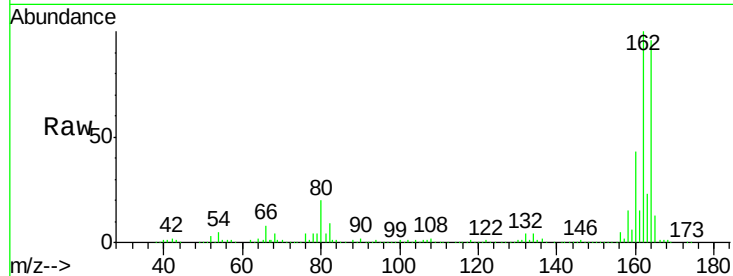
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. -0.05 min
 Lab File: BF094427.D
 Acq: 14 Apr 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW-2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	236779		
162	104.7	82.6	123.8	
160	44.7	36.2	54.2	

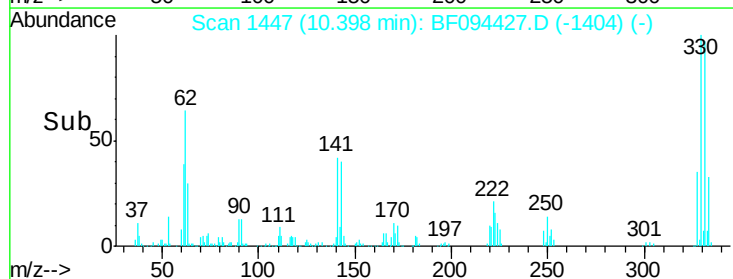
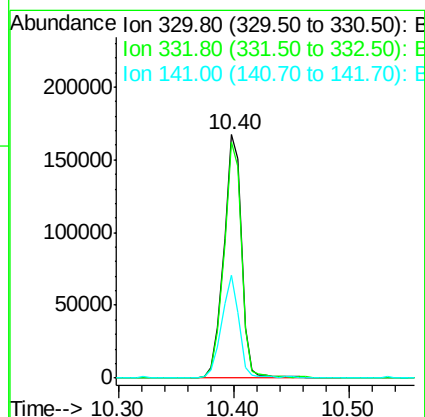
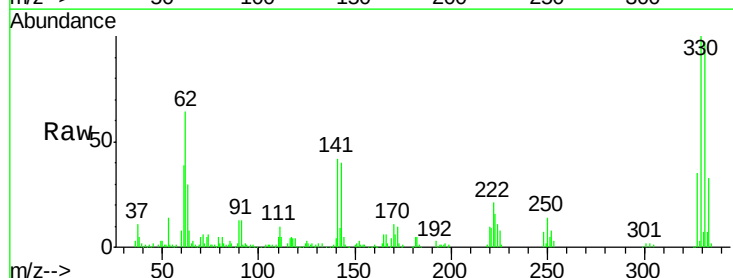
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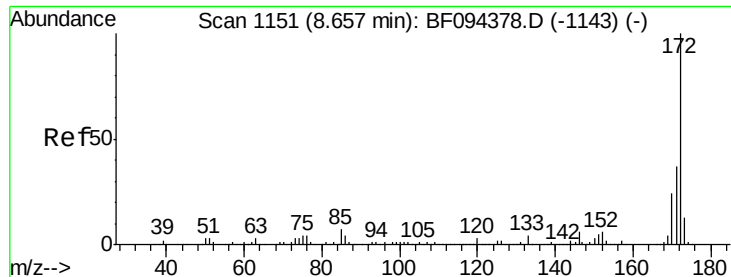
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#41
 2,4,6-Tribromophenol
 Concen: 96.13 ng
 RT: 10.40 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF094427.D
 Acq: 14 Apr 2017 12:34

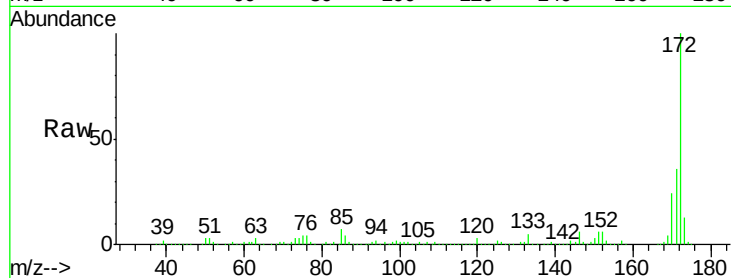
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	179873		
332	96.4	76.6	115.0	
141	39.9	31.4	47.2	





#44
 2-Fluorobiphenyl
 Concen: 73.33 ng
 RT: 8.61 min Scan# 1143
 Delta R.T. -0.05 min
 Lab File: BF094427.D
 Acq: 14 Apr 2017 12:34

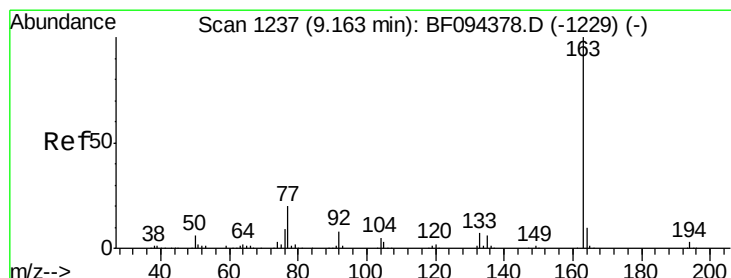
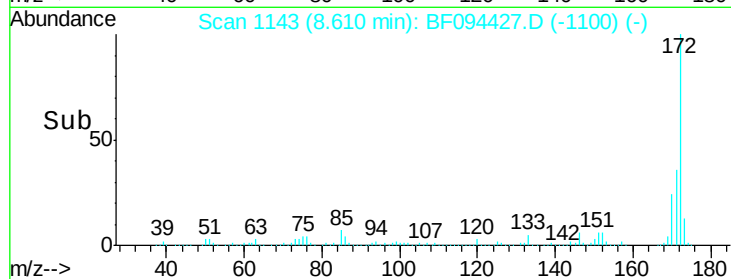
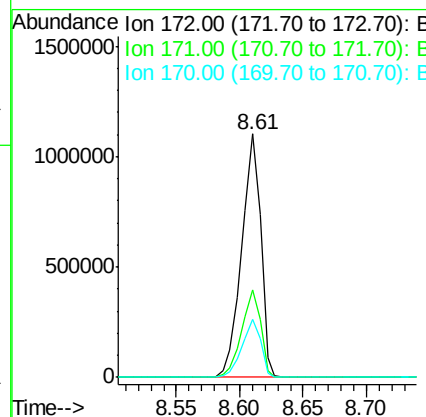
Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW-2



Tgt Ion:172 Resp: 1138294
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.0 19.8 29.8

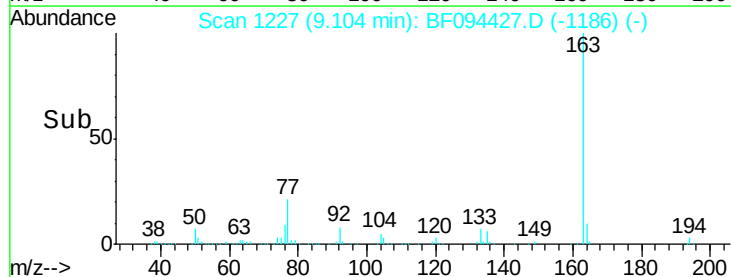
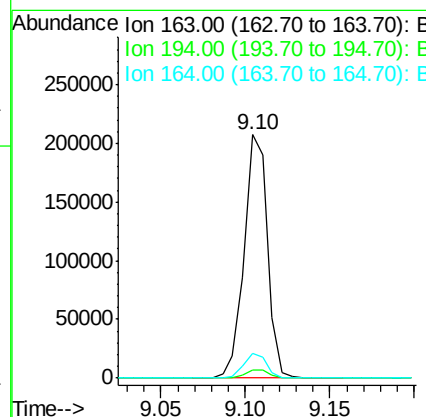
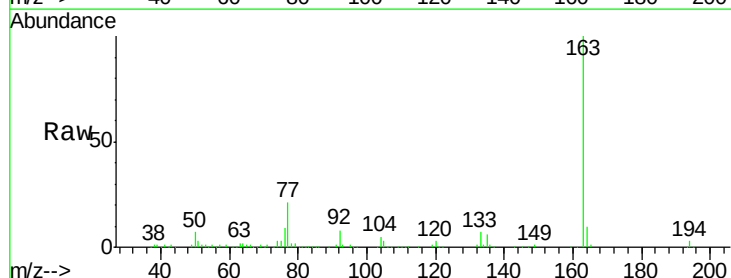
Manual Integrations
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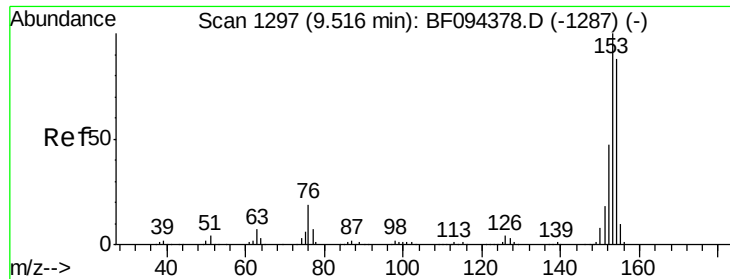
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#49
 Dimethylphthalate
 Concen: 11.87 ng
 RT: 9.10 min Scan# 1227
 Delta R.T. -0.06 min
 Lab File: BF094427.D
 Acq: 14 Apr 2017 12:34

Tgt Ion:163 Resp: 199794
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 10.2 8.4 12.6





#51

Acenaphthene

Concen: 2.82 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.05 min

Lab File: BF094427.D

Acq: 14 Apr 2017 12:34

Instrument :

BNA_F

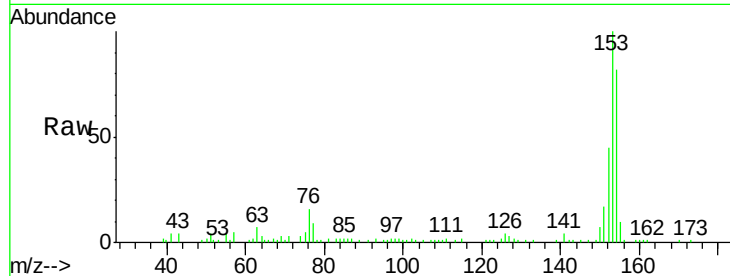
ClientSampleId :

E2-AA10-SSW-2

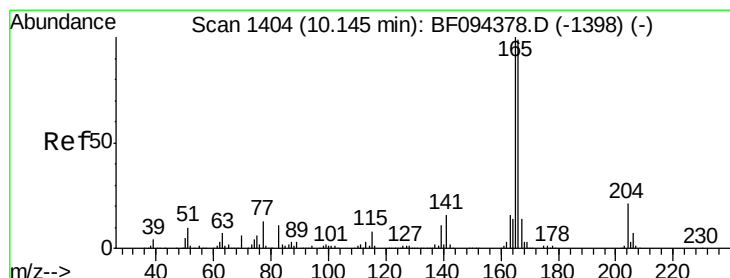
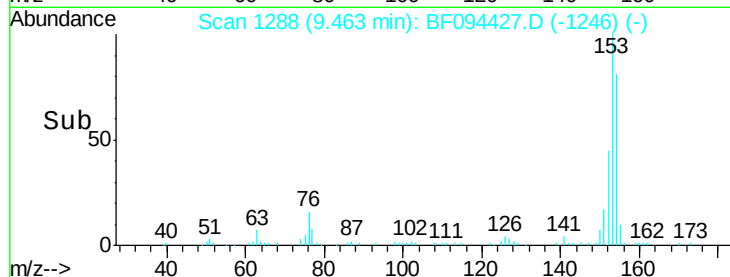
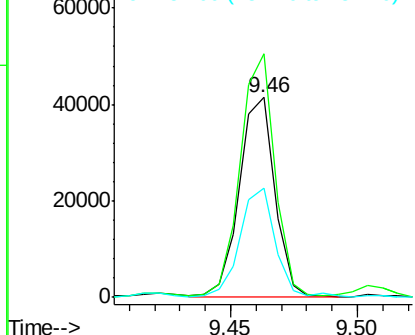
Tgt Ion:	154	Resp:	40903
Ion Ratio	Lower	Upper	
154	100		
153	121.7	90.5	135.7
152	54.3	43.6	65.4

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.23 ng

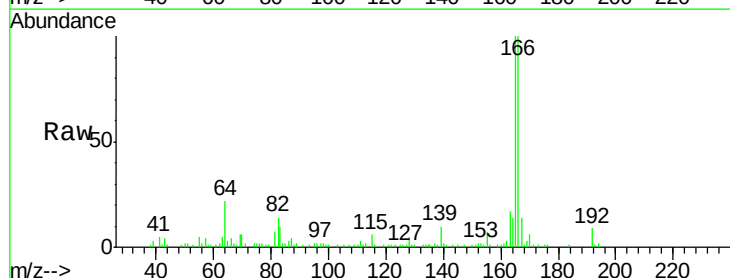
RT: 10.09 min Scan# 1395

Delta R.T. -0.05 min

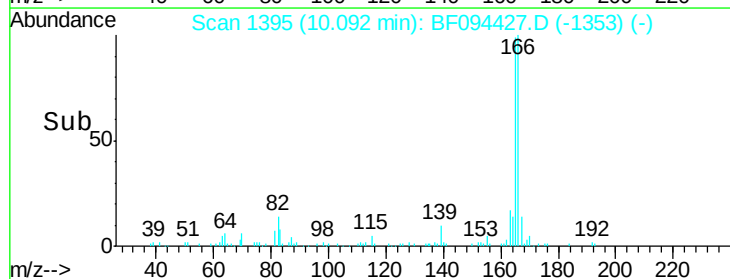
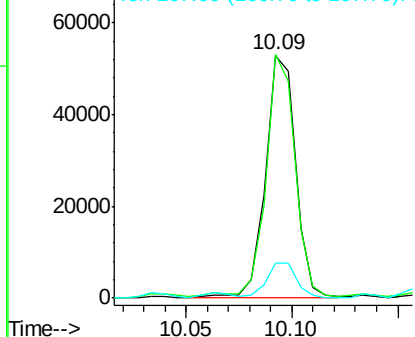
Lab File: BF094427.D

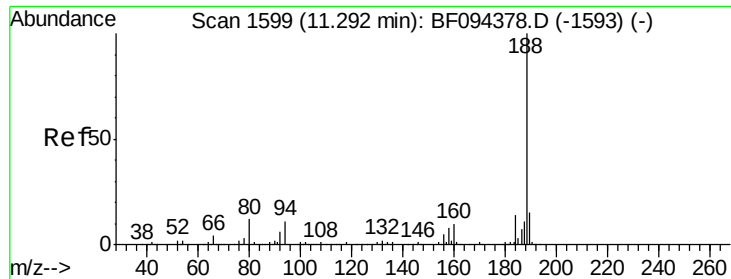
Acq: 14 Apr 2017 12:34

Tgt Ion:	166	Resp:	52866
Ion Ratio	Lower	Upper	
166	100		
165	100.2	78.8	118.2
167	14.3	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





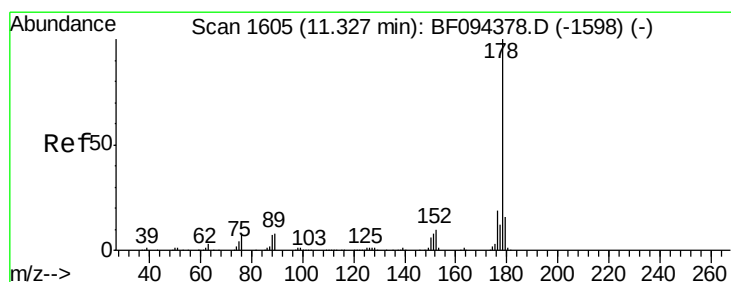
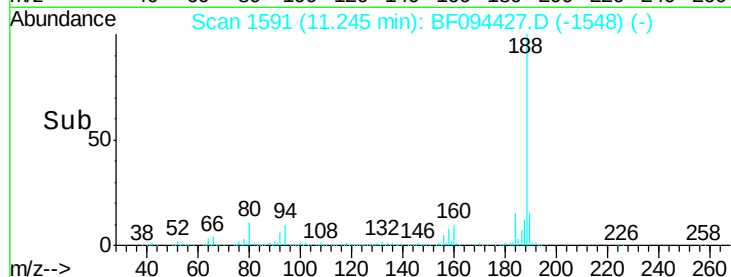
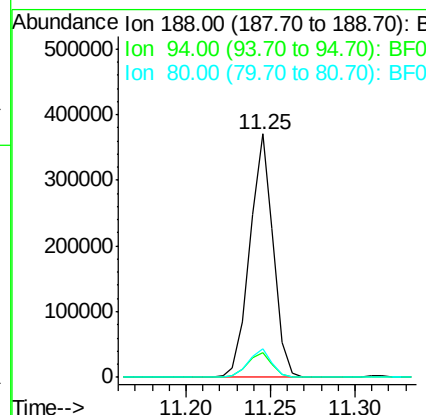
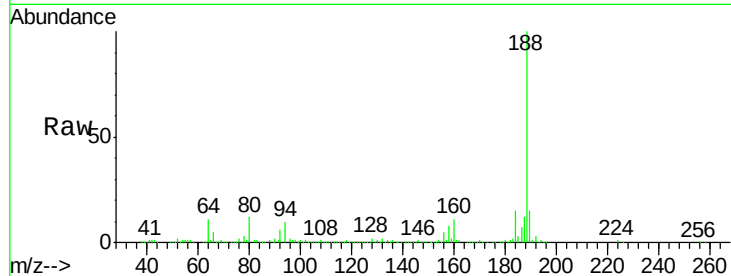
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1591
Delta R.T. -0.05 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW-2

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	356584		
94	10.3		9.4	14.2
80	11.5		10.2	15.2

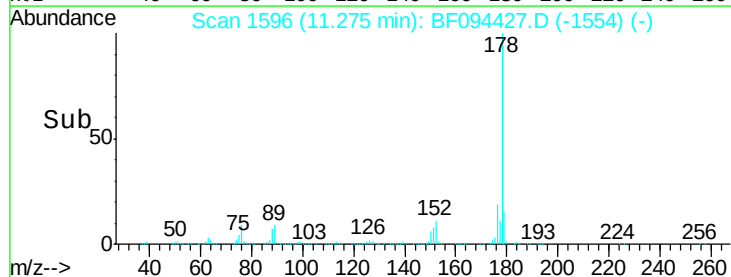
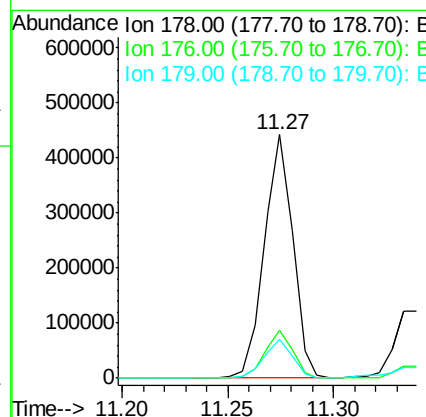
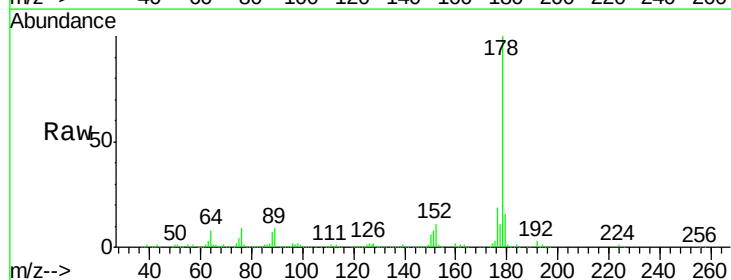
Manual Integrations
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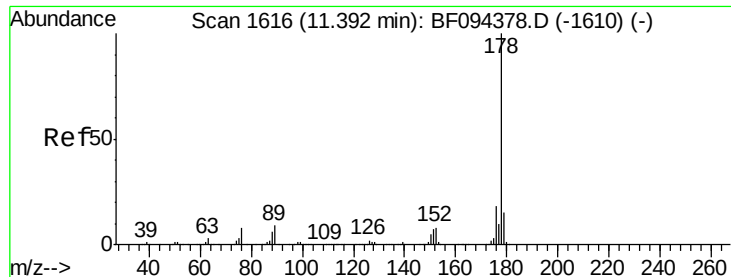
mohammad
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#70
Phenanthrene
Concen: 21.07 ng
RT: 11.27 min Scan# 1596
Delta R.T. -0.05 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	417870		
176	19.4		16.2	24.4
179	15.7		12.6	19.0





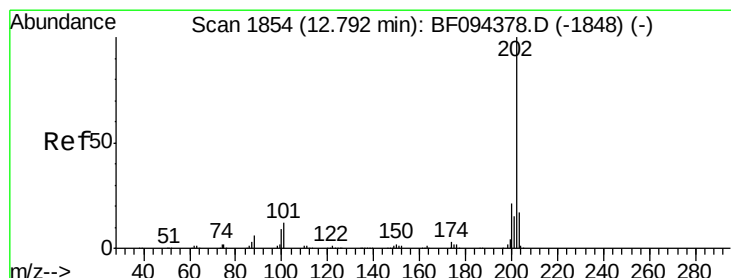
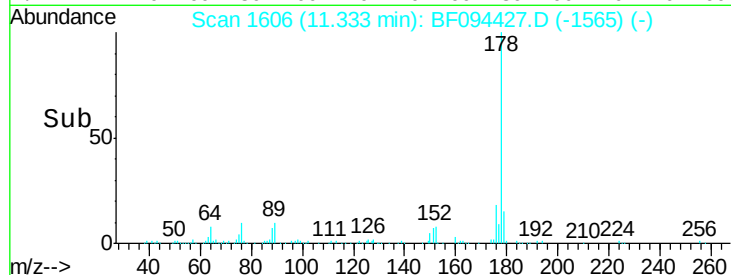
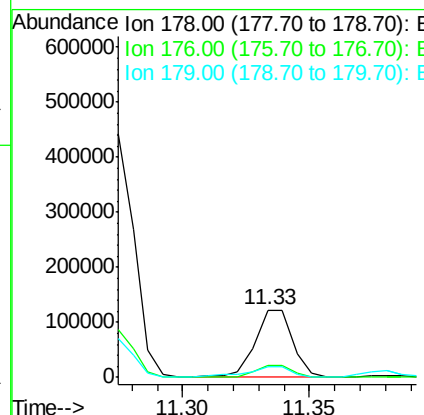
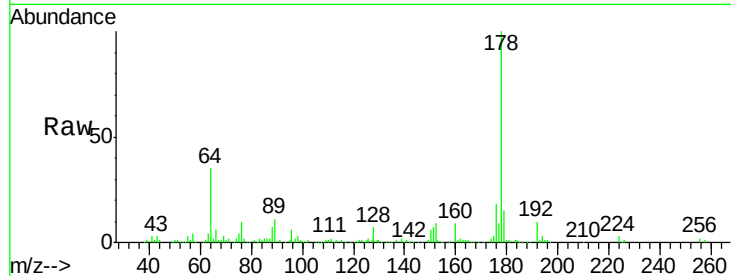
#71
 Anthracene
 Concen: 6.14 ng
 RT: 11.33 min Scan# 1606
 Delta R.T. -0.06 min
 Lab File: BF094427.D
 Acq: 14 Apr 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	15.4	12.7	19.1

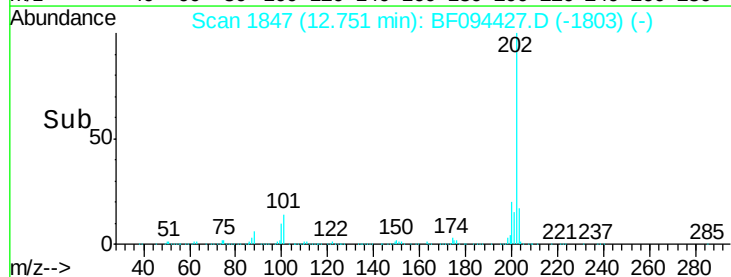
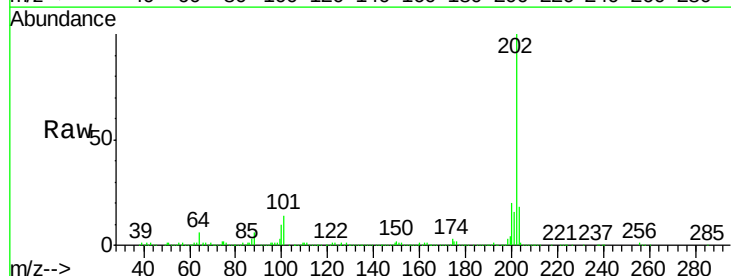
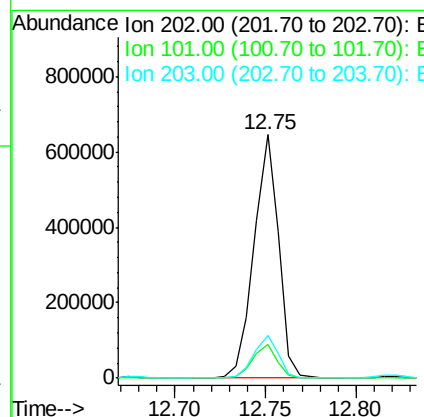
Manual Integrations
 APPROVED

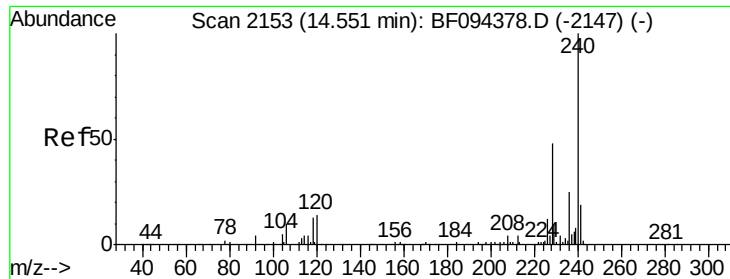
mohammad
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#74
 Fluoranthene
 Concen: 29.66 ng
 RT: 12.75 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: BF094427.D
 Acq: 14 Apr 2017 12:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.50 min Scan# 2144

Delta R.T. -0.05 min

Lab File: BF094427.D

Acq: 14 Apr 2017 12:34

Instrument :

BNA_F

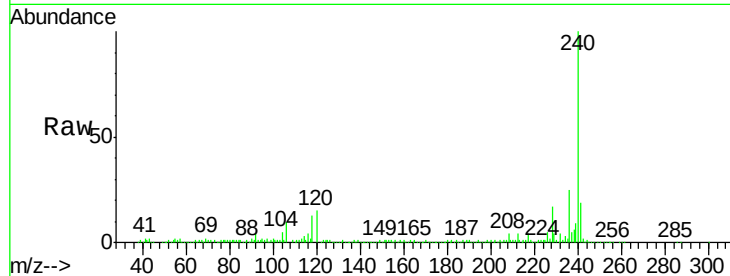
ClientSampled :

E2-AA10-SSW-2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	264814		
120	15.1	5.8	8.8#	
236	25.1	20.5	30.7	

Manual Integrations
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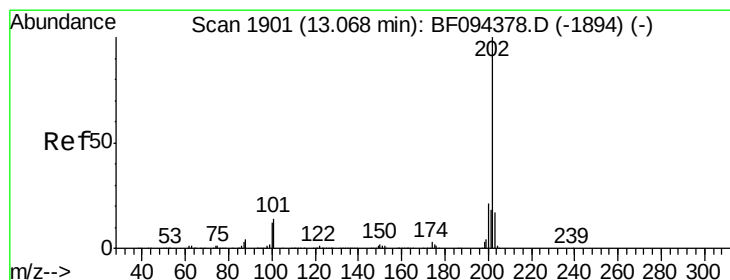
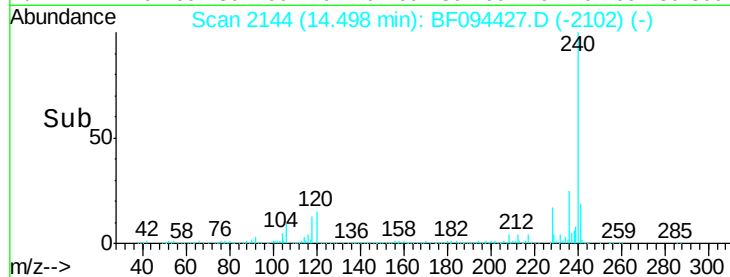
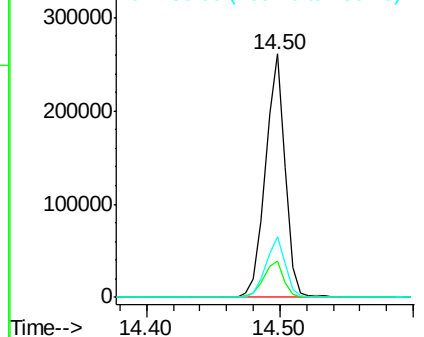
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 27.22 ng

RT: 13.02 min Scan# 1892

Delta R.T. -0.05 min

Lab File: BF094427.D

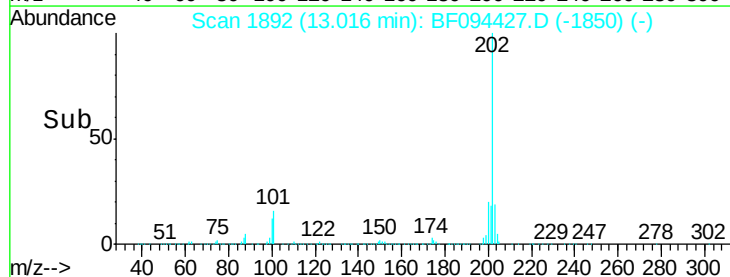
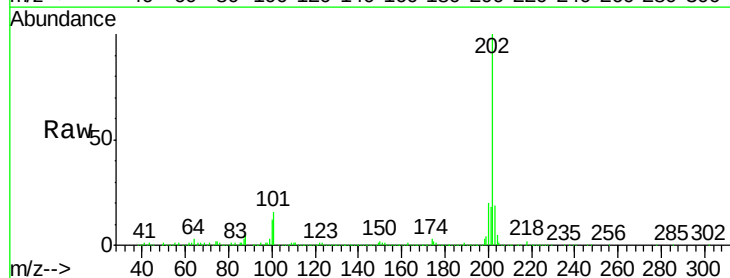
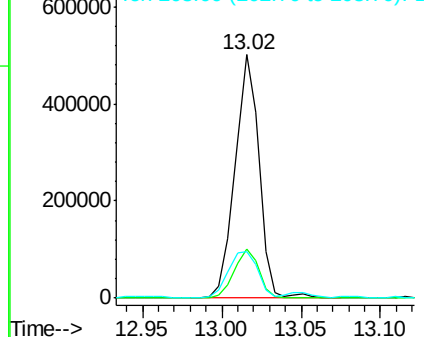
Acq: 14 Apr 2017 12:34

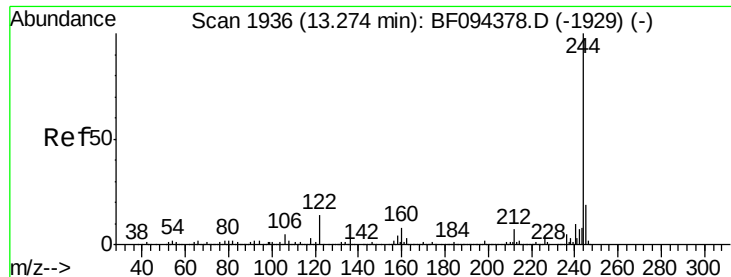
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	523077		
200	20.3	17.6	26.4	
203	19.3	14.4	21.6	

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.54 ng

RT: 13.23 min Scan# 1928

Delta R.T. -0.05 min

Lab File: BF094427.D

Acq: 14 Apr 2017 12:34

Instrument :

BNA_F

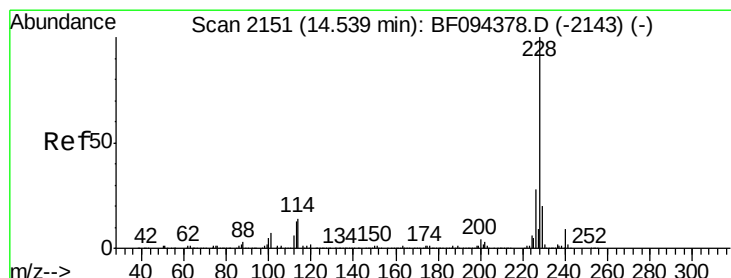
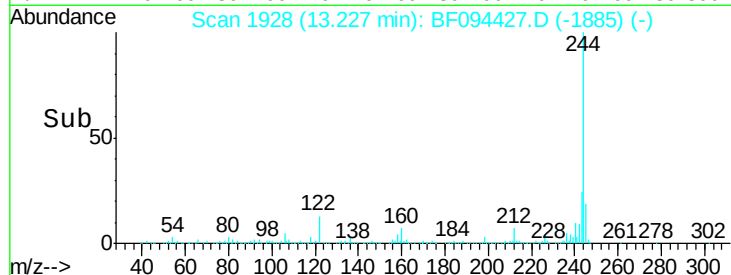
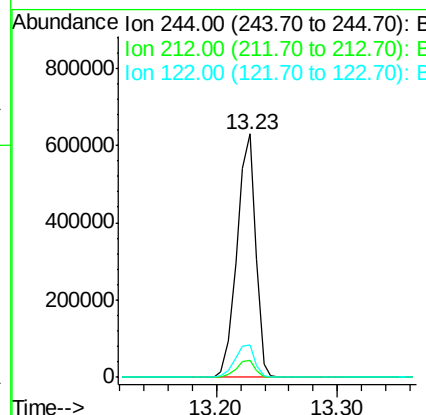
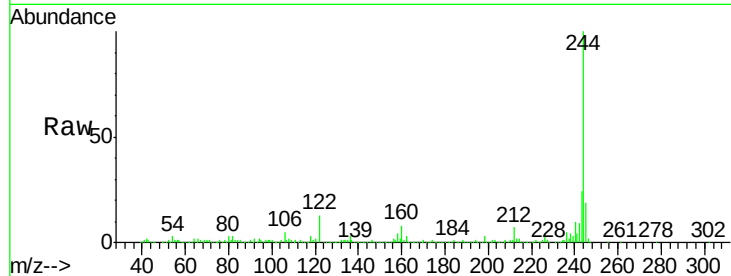
ClientSampleId :

E2-AA10-SSW-2

Tgt Ion:	244	Resp:	679762
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	13.2	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 16.29 ng

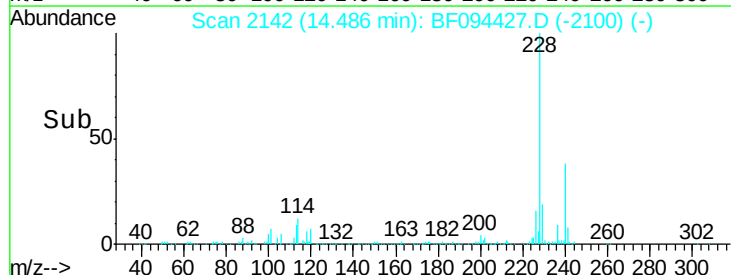
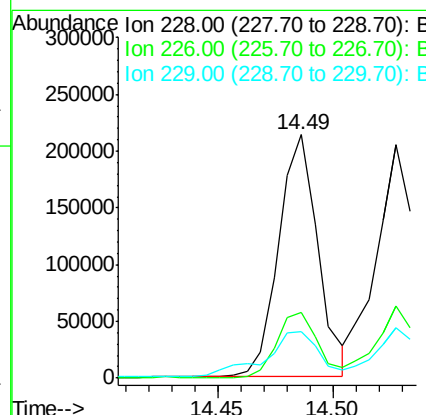
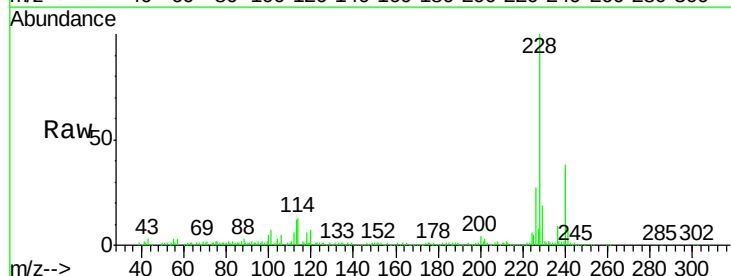
RT: 14.49 min Scan# 2142

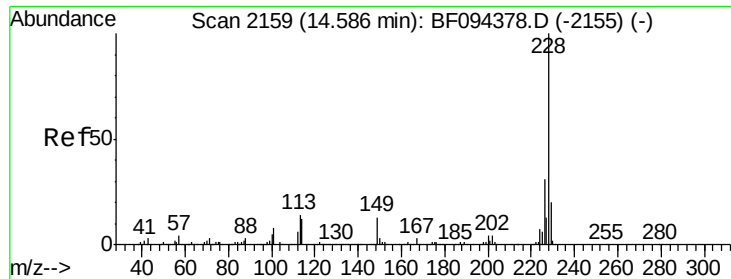
Delta R.T. -0.05 min

Lab File: BF094427.D

Acq: 14 Apr 2017 12:34

Tgt Ion:	228	Resp:	251524
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.6	33.8
229	19.2	16.3	24.5





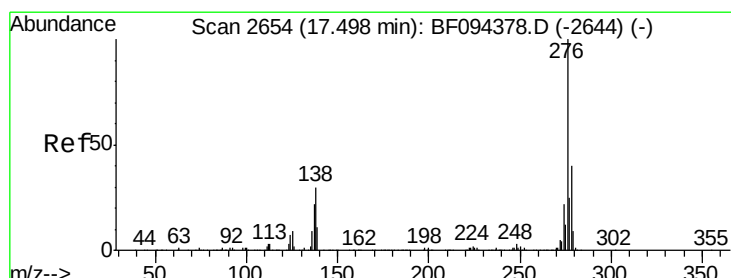
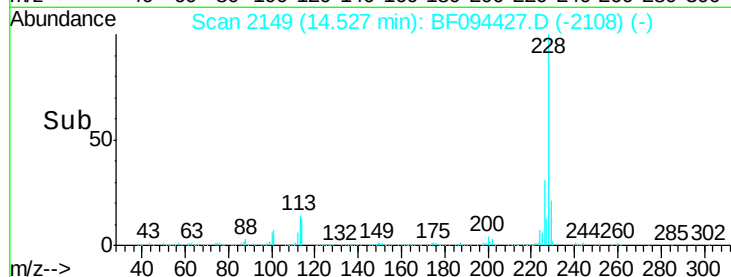
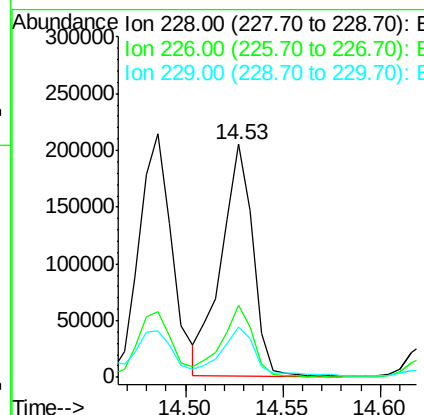
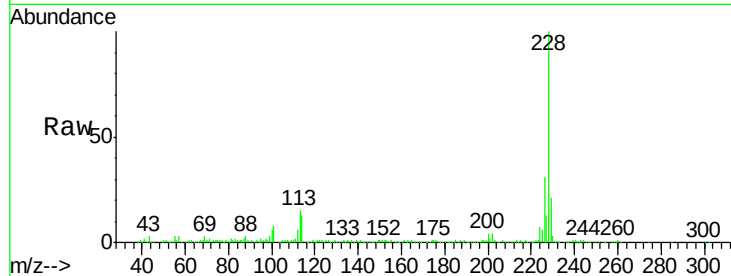
#82
Chrysene
Concen: 16.06 ng
RT: 14.53 min Scan# 2149
Delta R.T. -0.06 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.4	15.8	23.6

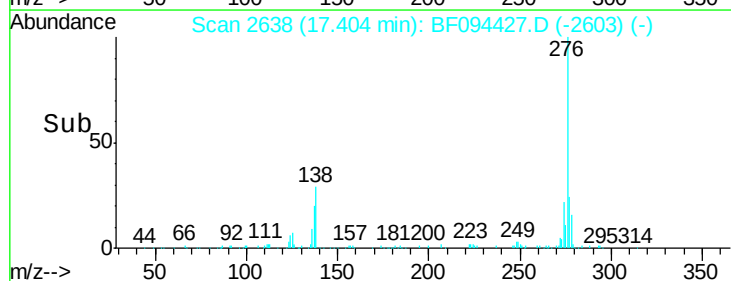
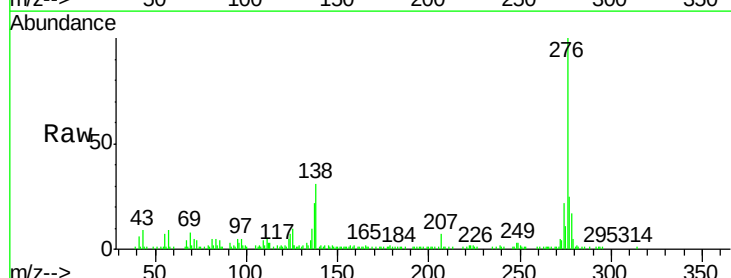
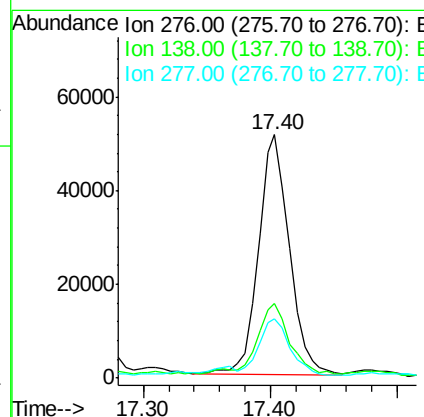
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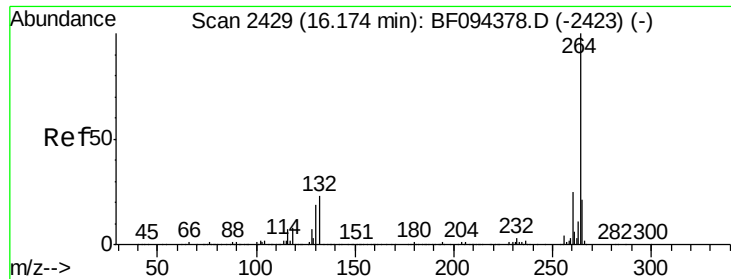
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.01 ng
RT: 17.40 min Scan# 2638
Delta R.T. -0.09 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	27.8	41.6
277	24.0	20.2	30.4





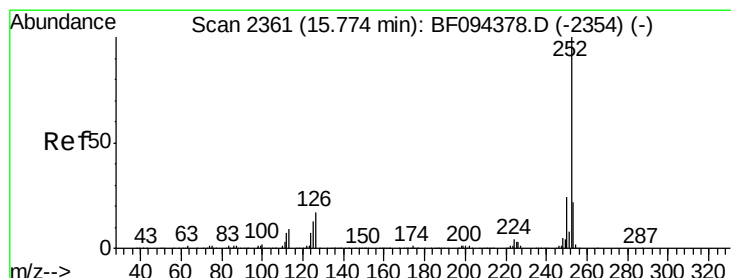
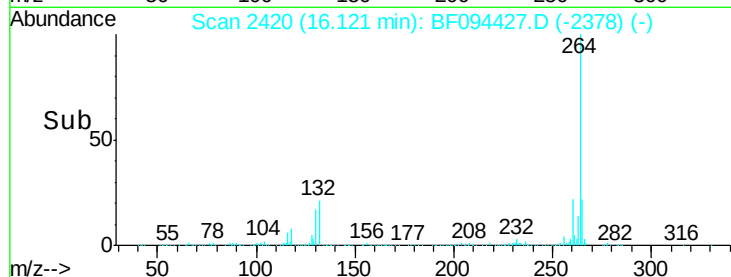
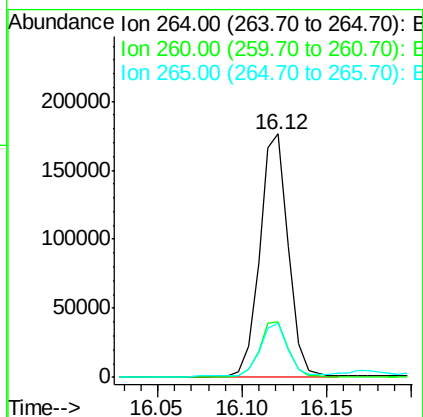
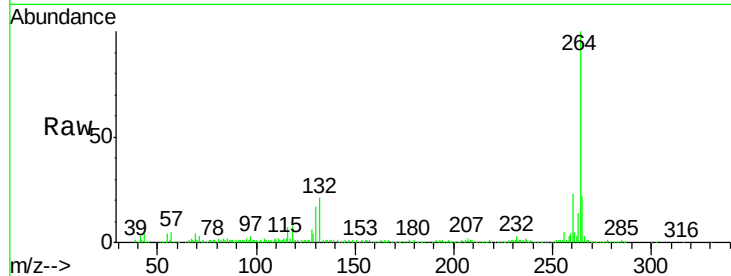
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2420
Delta R.T. -0.05 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	22.2	17.2	25.8

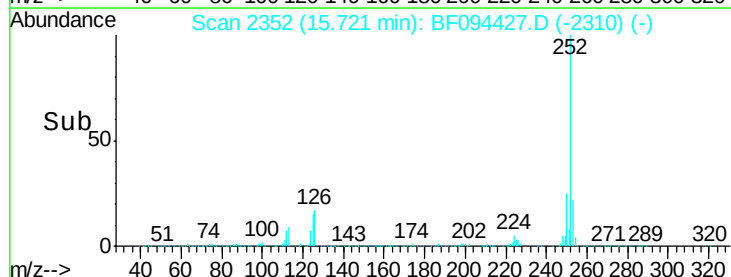
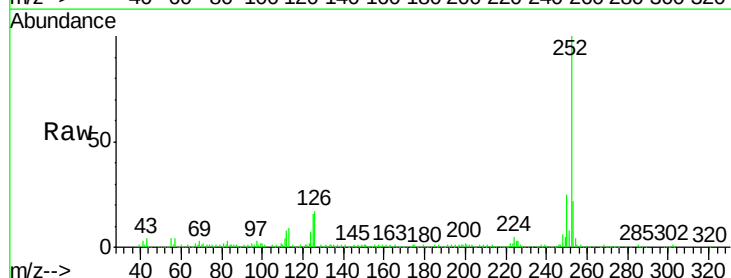
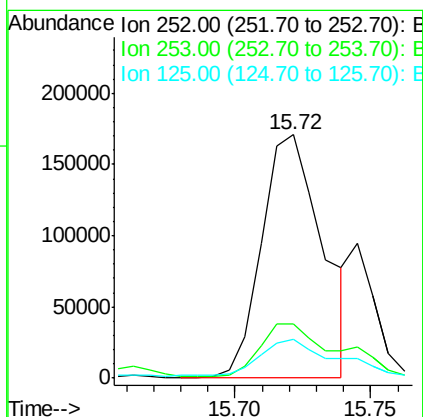
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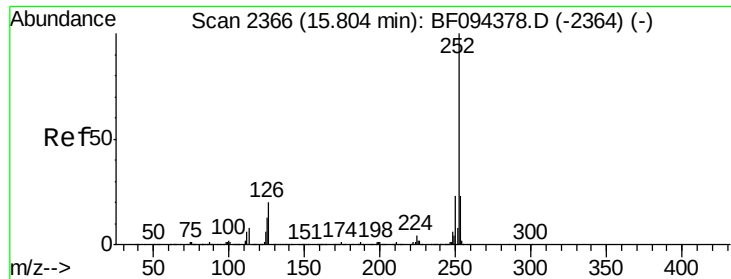
mohammad
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#87
Benzo(b)fluoranthene
Concen: 21.11 ng m
RT: 15.72 min Scan# 2352
Delta R.T. -0.05 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	16.2	9.8	14.8





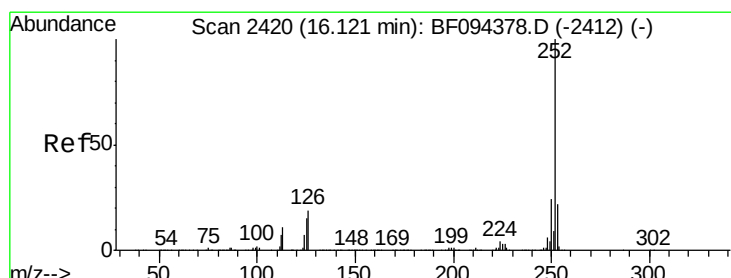
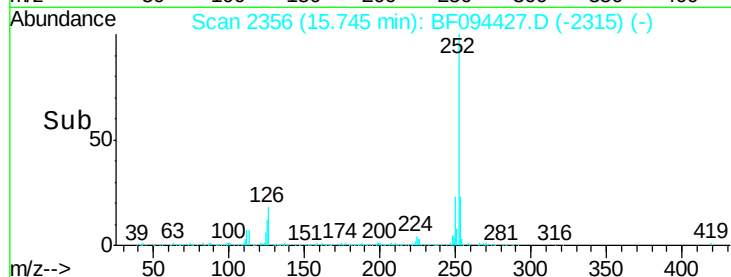
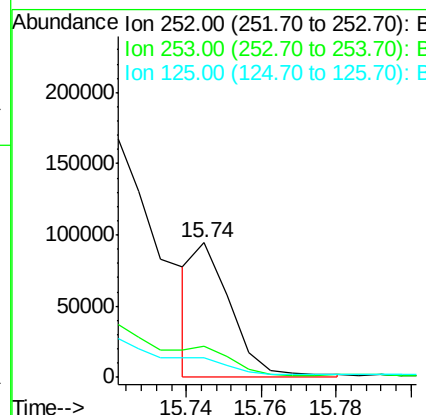
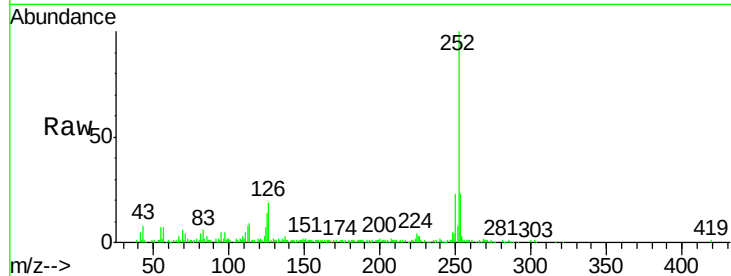
#88
Benzo(k)fluoranthene
Concen: 5.18 ng m
RT: 15.74 min Scan# 2356
Delta R.T. -0.06 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	14.2	13.1	19.7

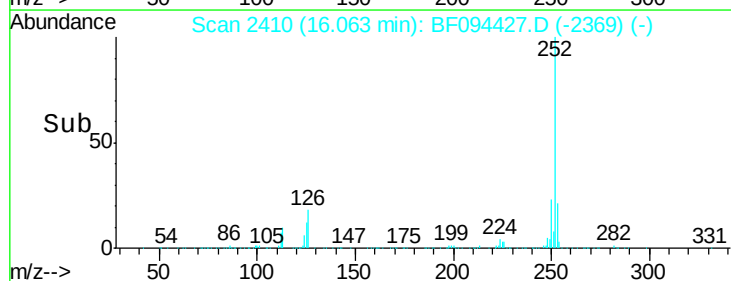
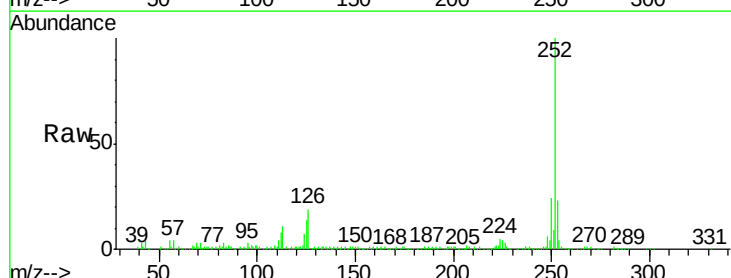
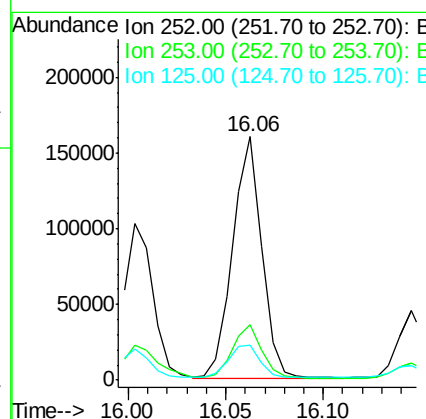
Manual Integrations
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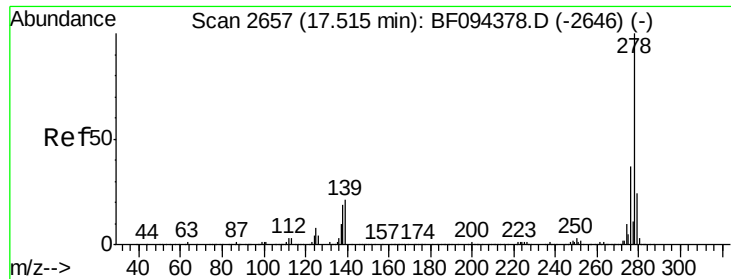
mohammad
4/14/2017 1:36:08 PM



#89
Benzo(a)pyrene
Concen: 14.36 ng
RT: 16.06 min Scan# 2410
Delta R.T. -0.06 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	14.2	11.0	16.4





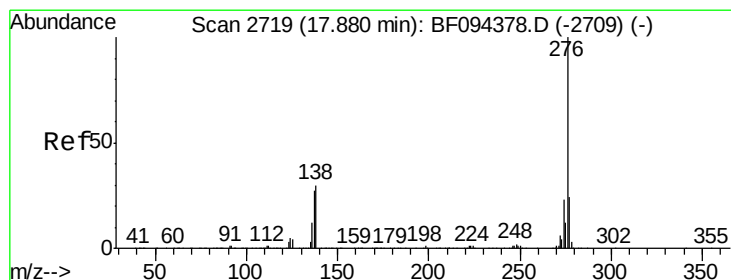
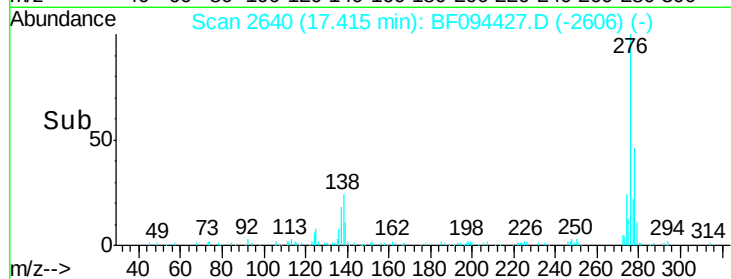
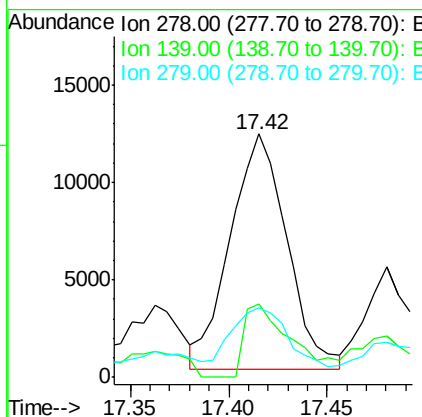
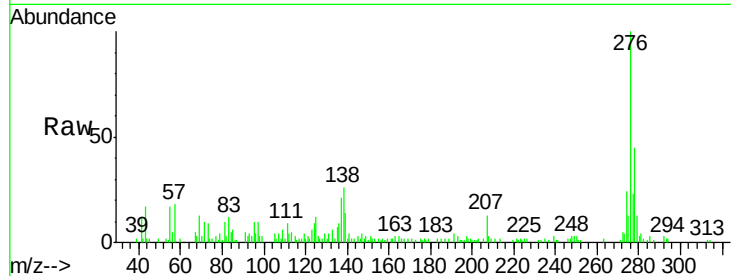
#90
Dibenzo(a,h)anthracene
Concen: 2.47 ng m
RT: 17.42 min Scan# 2640
Delta R.T. -0.10 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW-2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.9	16.6	24.8#
279	28.6	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.83 ng
RT: 17.78 min Scan# 2702
Delta R.T. -0.10 min
Lab File: BF094427.D
Acq: 14 Apr 2017 12:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	33.9	25.4	38.0

