

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094385.D
 Acq On : 12 Apr 2017 10:26
 Operator : SJ/MA
 Sample : I2622-09DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-WSWDL

Manual Integrations
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Quant Time: Apr 12 11:16:38 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	5.83	152	127269	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	475978	20.00	ng	-0.03
38) Acenaphthene-d10	9.47	164	193520	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	314520	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	280957	20.00	ng	-0.02
86) Perylene-d12	16.18	264	208068	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.38	112	201365	26.72	ng	0.00
7) Phenol-d6	5.46	99	269313	28.89	ng	0.00
23) Nitrobenzene-d5	6.47	82	156375	18.75	ng	-0.04
41) 2,4,6-Tribromophenol	10.45	330	29254	19.13	ng	-0.02
44) 2-Fluorobiphenyl	8.65	172	283697	22.36	ng	-0.04
78) Terphenyl-d14	13.27	244	202314	16.14	ng	-0.02
Target Compounds						Qvalue
10) Phenol	5.47	94	45271	4.27	ng	90
17) 2-Methylphenol	6.16	107	28811	4.06	ng	94
20) 3+4-Methylphenols	6.35	107	66324	7.72	ng	# 63
27) 2,4-Dimethylphenol	6.97	122	37513m	5.55	ng	
31) Naphthalene	7.36	128	258343	11.29	ng	99
37) 2-Methylnaphthalene	8.20	142	115449	7.57	ng	96
45) 1,1'-Biphenyl	8.77	154	33848	2.17	ng	97
49) Dimethylphthalate	9.15	163	50075	3.64	ng	99
51) Acenaphthene	9.51	154	78171	6.60	ng	98
54) Dibenzofuran	9.72	168	101989	6.32	ng	99
57) Fluorene	10.15	166	91585	6.85	ng	# 99
70) Phenanthrene	11.33	178	374752	21.42	ng	97
71) Anthracene	11.39	178	64928	3.60	ng	97
74) Fluoranthene	12.79	202	276234	15.42	ng	98
77) Pyrene	13.06	202	223693	10.97	ng	98
80) Benzo(a)anthracene	14.54	228	69337	4.23	ng	98
82) Chrysene	14.58	228	68427	4.50	ng	94
87) Benzo(b)fluoranthene	15.77	252	61789m	4.84	ng	
89) Benzo(a)pyrene	16.12	252	42348	3.61	ng	# 93
91) Benzo(a,h,i)perylene	17.87	276	20696	2.06	ng	94

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

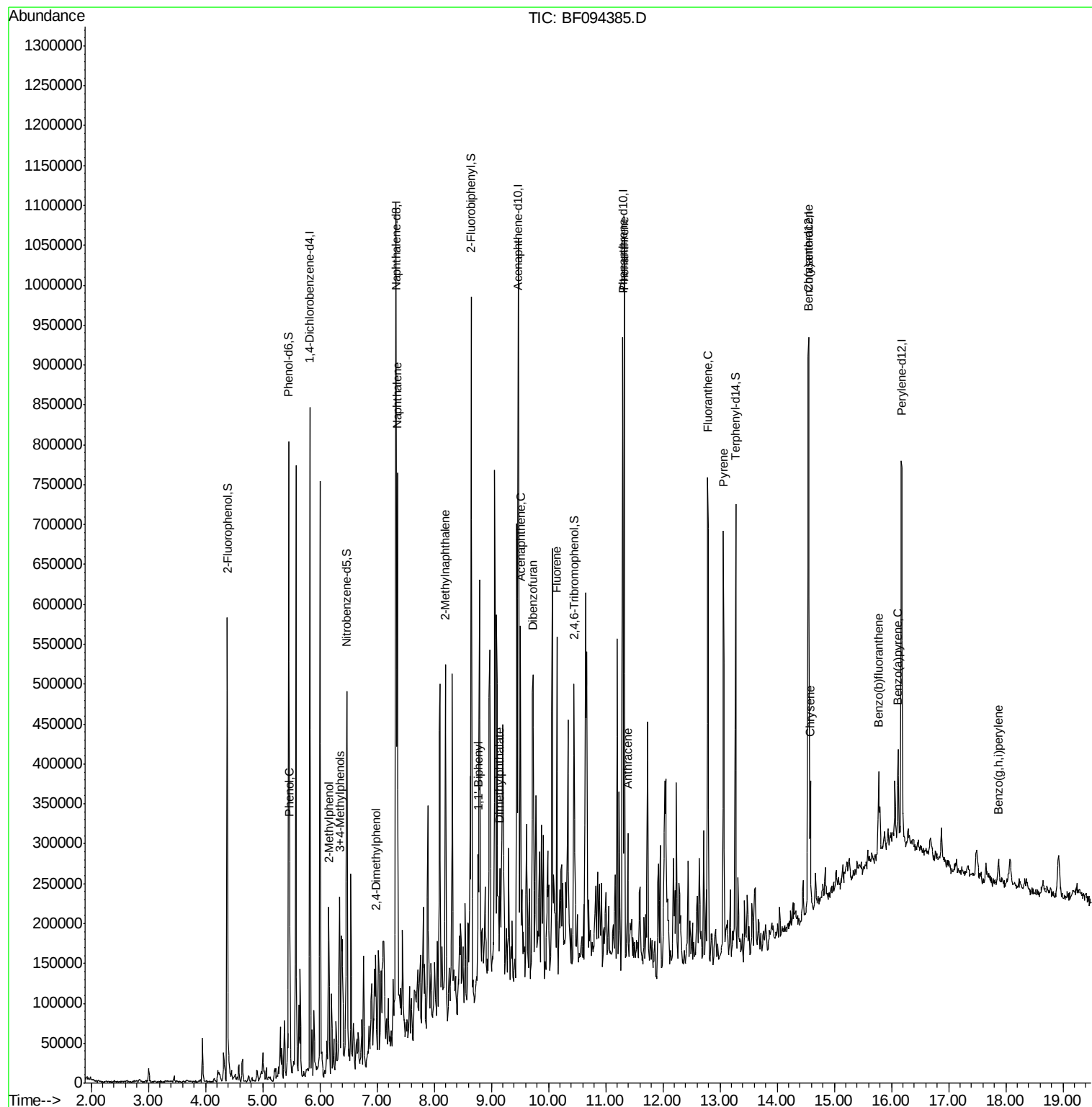
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Misc :
ALS Vial : 32 Sample Multiplier: 1

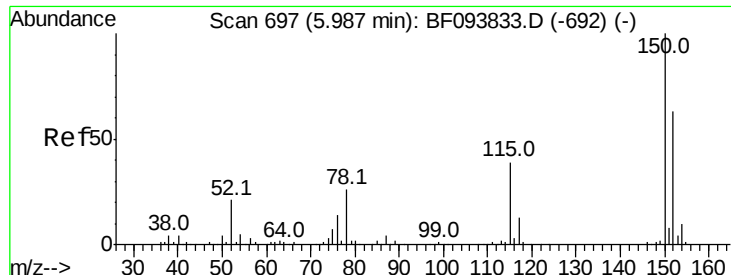
Instrument :
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E2-AA10-WSWDL

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#1

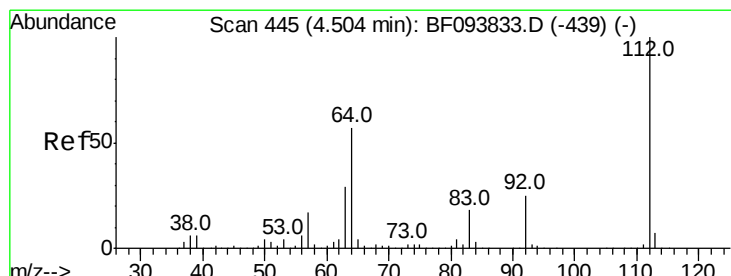
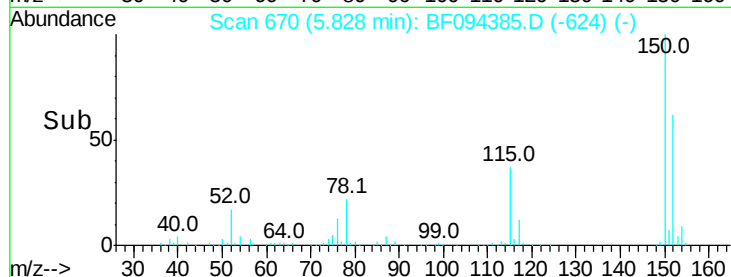
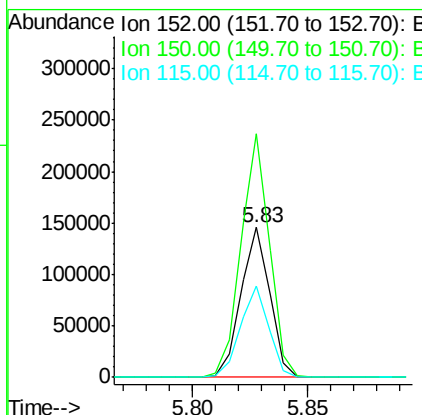
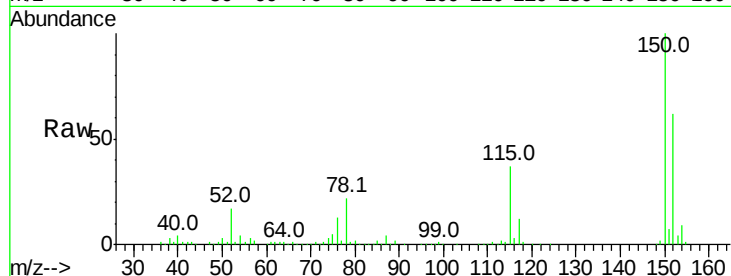
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 670
Delta R.T. -0.03 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Instrument :
BNA_F
ClientSampleId :
E2-AA10-WSWDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	126.2	189.2
115	60.8	52.2	78.2

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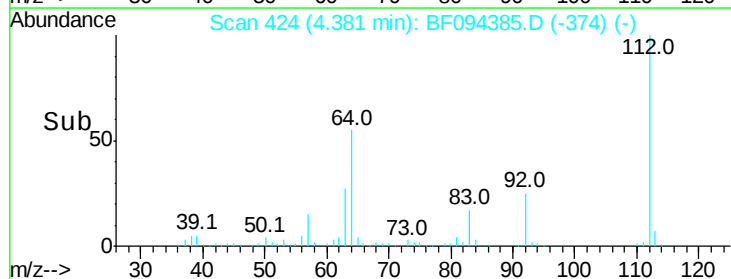
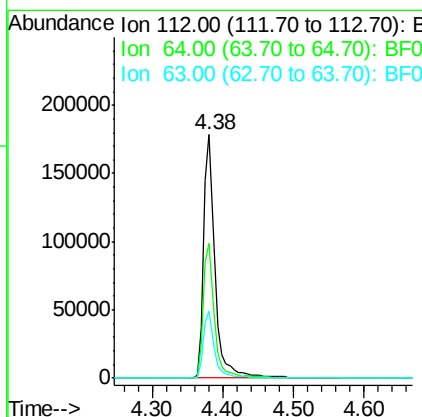
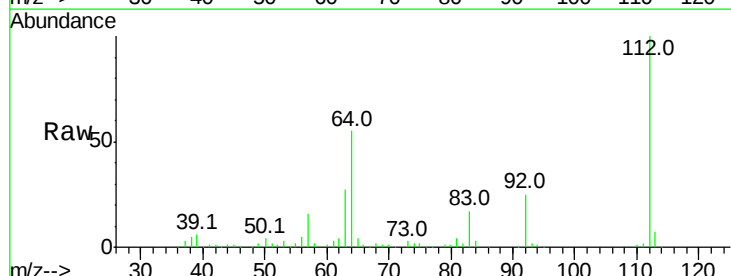
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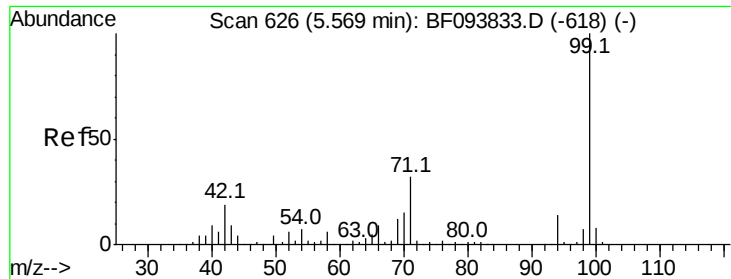


#5

2-Fluorophenol
Concen: 26.72 ng
RT: 4.38 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.0	69.0
63	27.5	23.4	35.0





#7

Phenol-d6

Concen: 28.89 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Instrument :

BNA_F

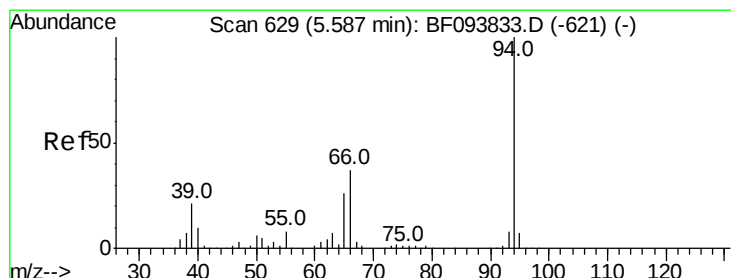
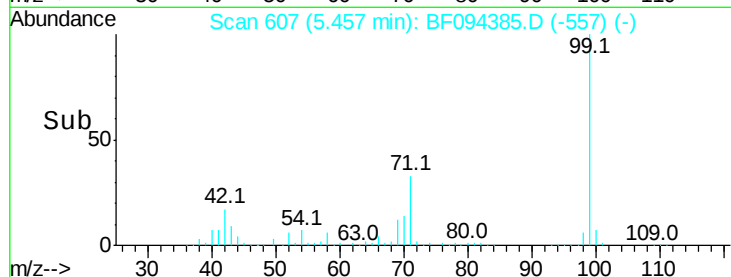
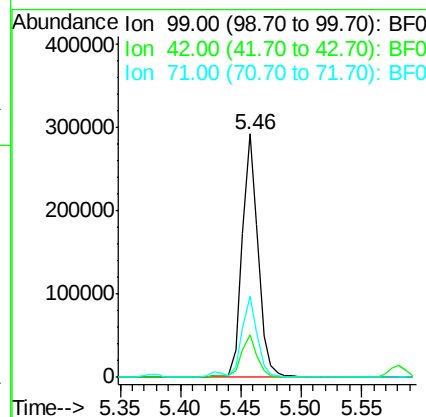
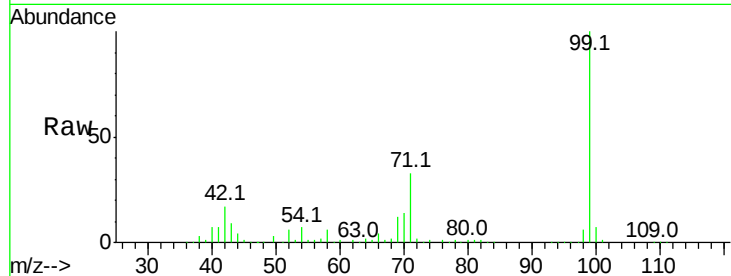
ClientSampleId :

E2-AA10-WSWDL

Tot Ion:	99	Resp:	269313
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: 4.27 ng

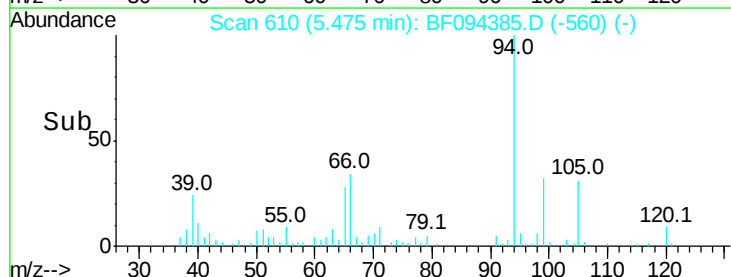
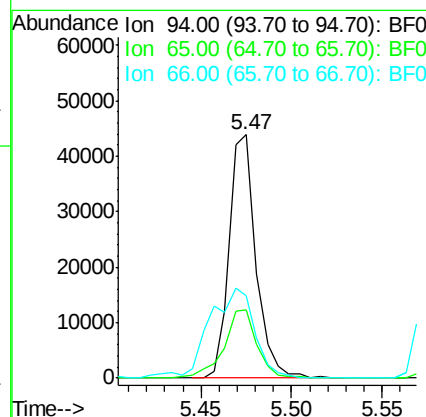
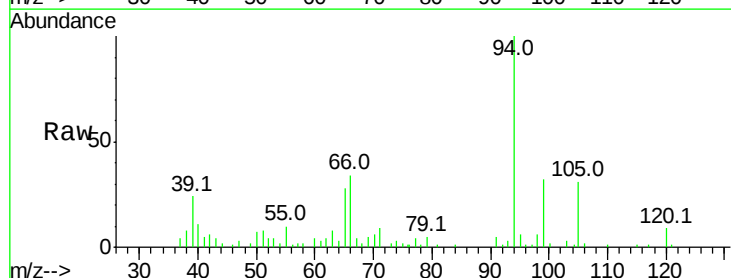
RT: 5.47 min Scan# 610

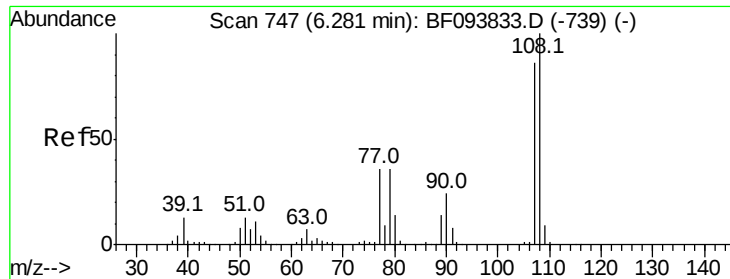
Delta R.T. -0.01 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Tgt Ion:	94	Resp:	45271
Ion Ratio	Lower	Upper	
94	100		
65	28.0	9.9	49.9
66	34.1	23.1	63.1





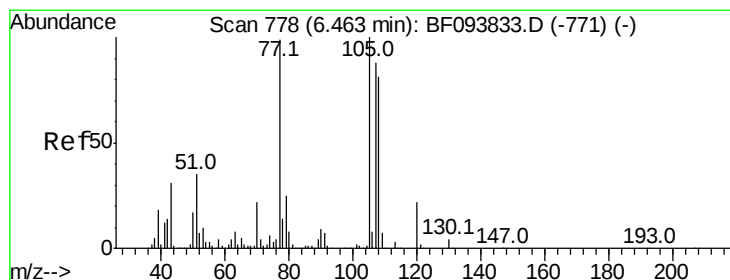
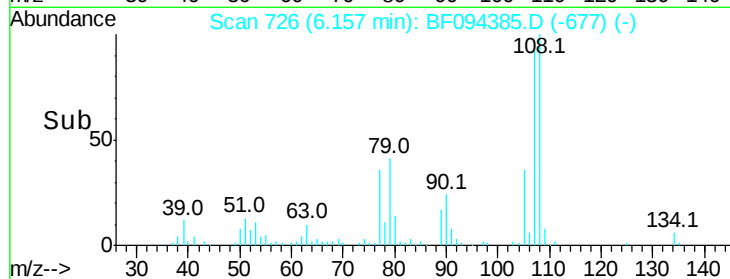
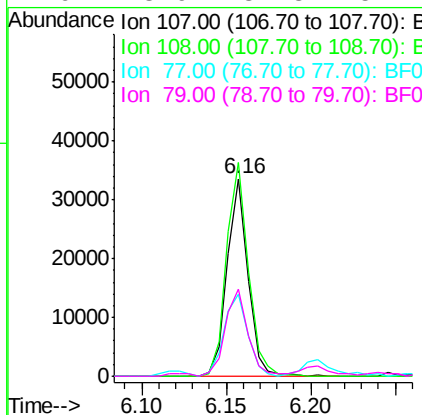
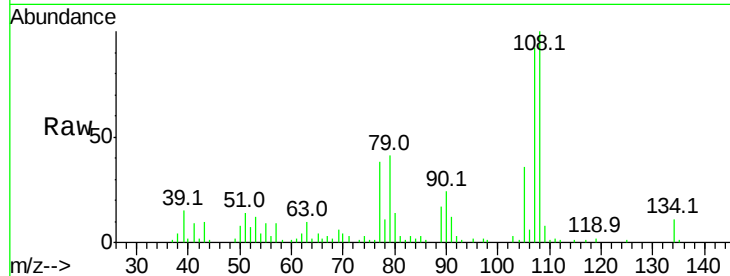
#17
2-Methylphenol
Concen: 4.06 ng
RT: 6.16 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Instrument :
BNA_F
ClientSampleId :
E2-AA10-WSWDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	28811		
108	108.2			93.4	140.0
77	77	41.5		35.8	53.6
79	79	43.9		34.8	52.2

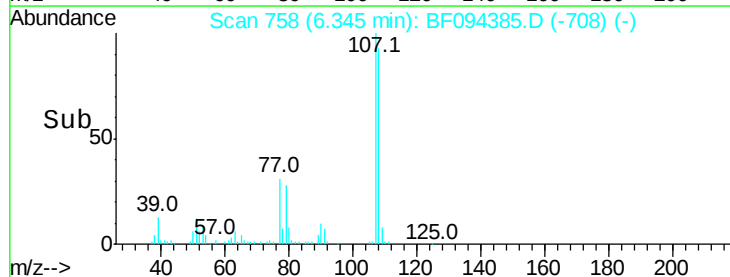
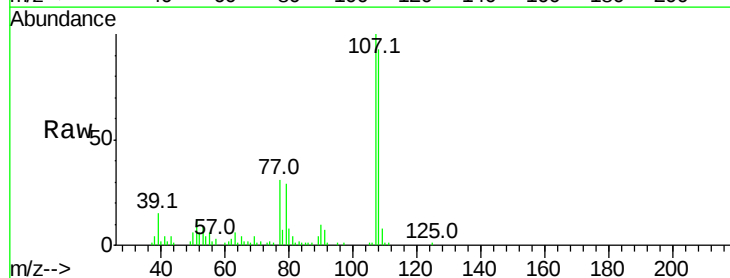
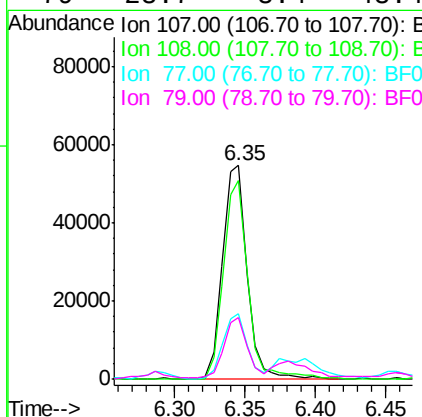
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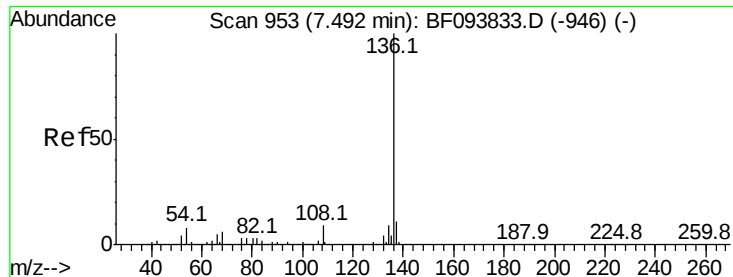
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#20
3+4-Methylphenols
Concen: 7.72 ng
RT: 6.35 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	66324		
108	108	93.2		71.0	111.0
77	77	30.6		90.5	130.5#
79	79	28.7		8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.33 min Scan# 926

Delta R.T. -0.03 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Instrument :

BNA_F

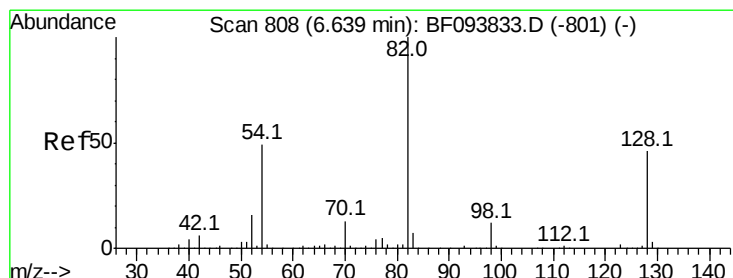
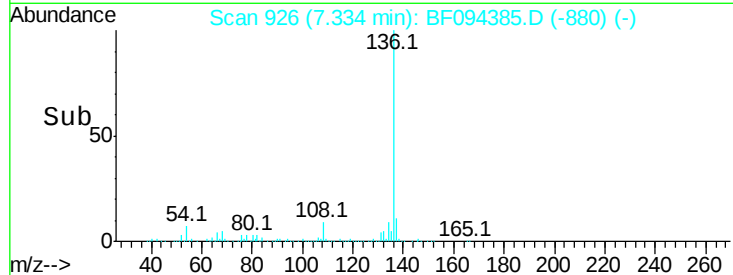
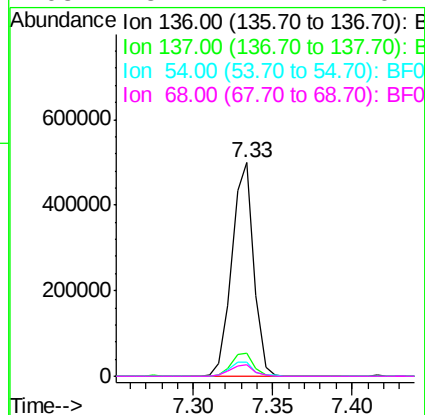
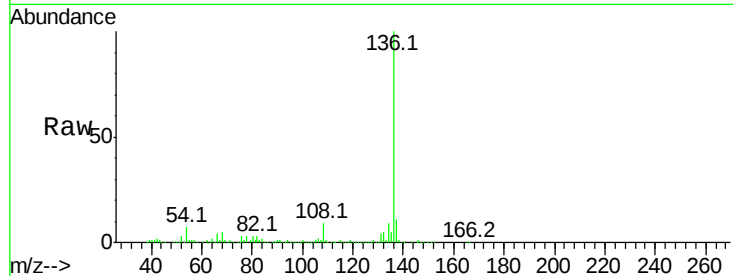
ClientSampleId :

E2-AA10-WSWDL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	475978		
137	10.8		8.5	12.7
54	6.9		4.9	7.3
68	5.2		4.1	6.1

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#23

Nitrobenzene-d5

Concen: 18.75 ng

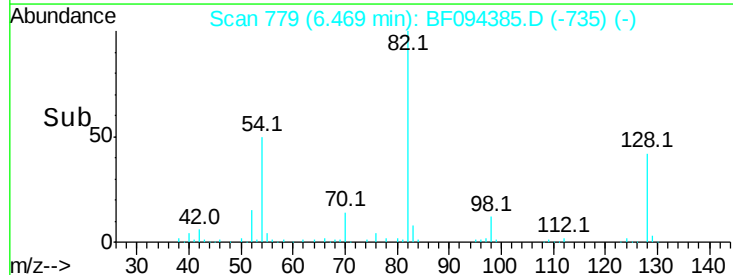
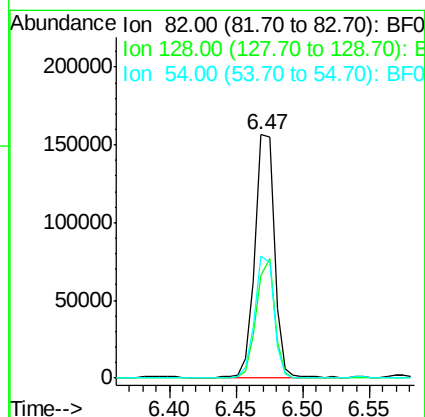
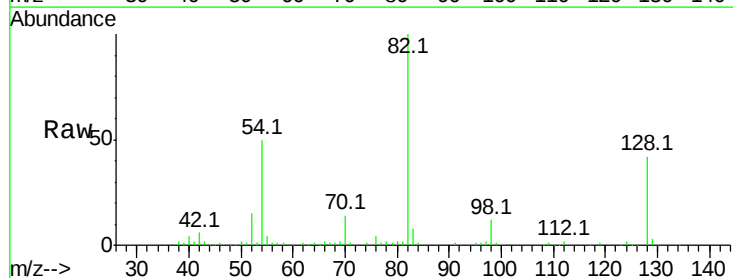
RT: 6.47 min Scan# 779

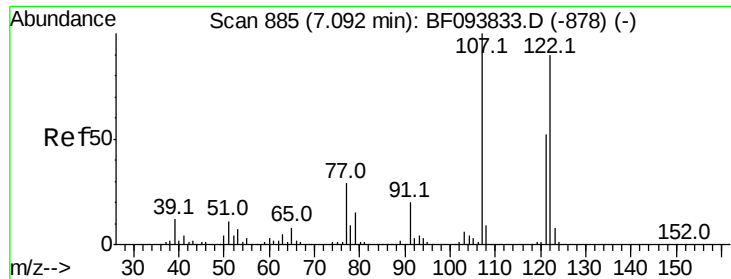
Delta R.T. -0.04 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	156375		
128	42.4		34.0	51.0
54	49.9		42.2	63.2





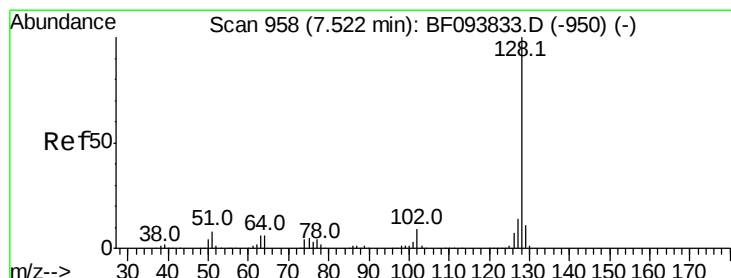
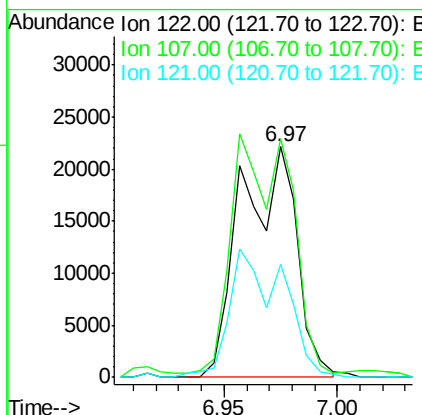
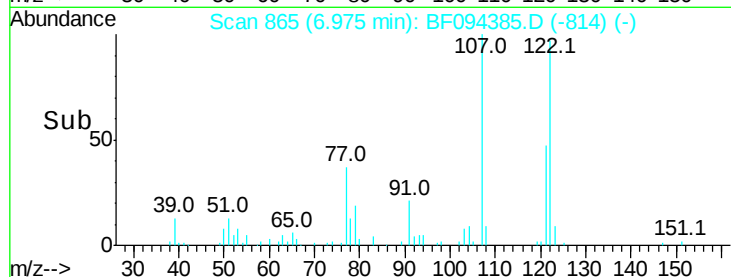
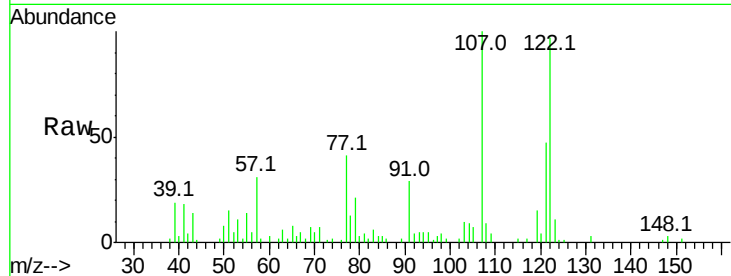
#27
2,4-Dimethylphenol
Concen: 5.55 ng/ml
RT: 6.97 min Scan# 865
Delta R.T. -0.00 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Instrument :
BNA_F
ClientSampleId :
E2-AA10-WSWDL

Tot Ion	Ratio	Lower	Upper
122	100		
107	103.6	89.2	133.8
121	48.8	45.2	67.8

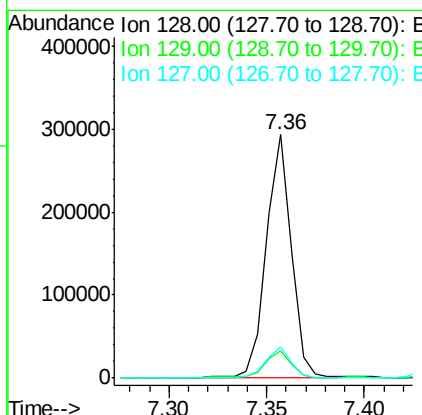
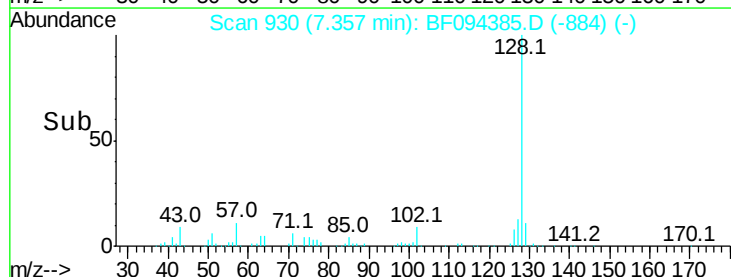
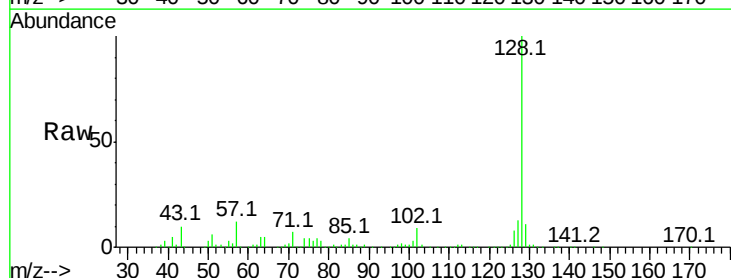
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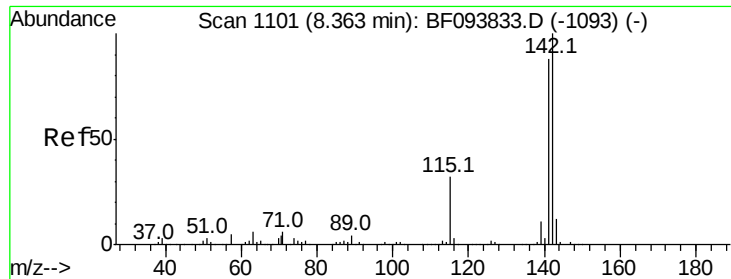
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#31
Naphthalene
Concen: 11.29 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.03 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.0	10.8	16.2





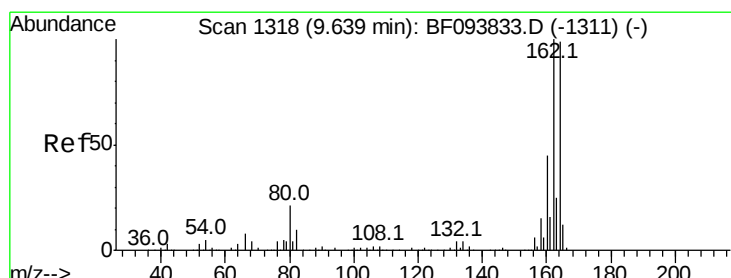
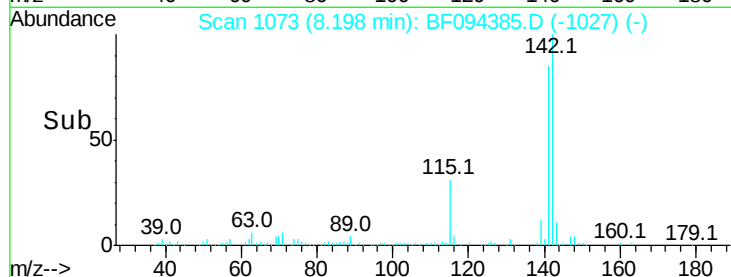
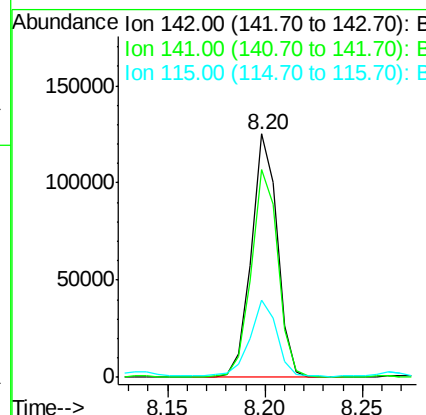
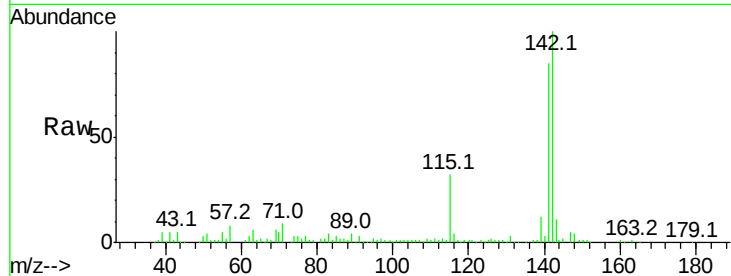
#37
2-Methylnaphthalene
Concen: 7.57 ng
RT: 8.20 min Scan# 1073
Delta R.T. -0.03 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Instrument :
BNA_F
ClientSampleId :
E2-AA10-WSWDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.1	71.3	106.9
115	31.6	27.1	40.7

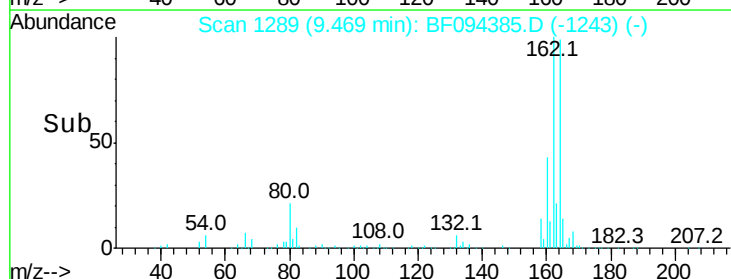
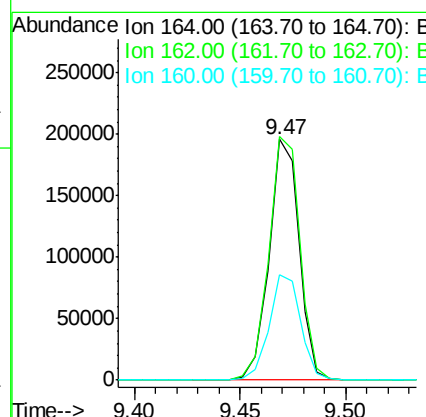
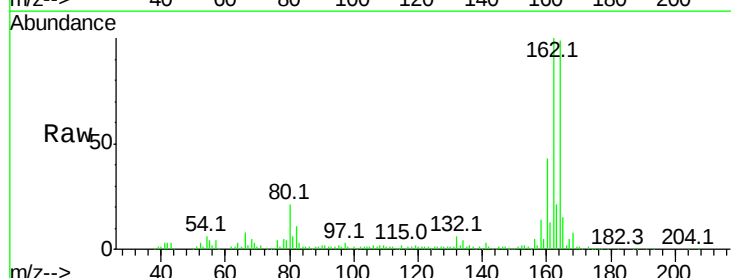
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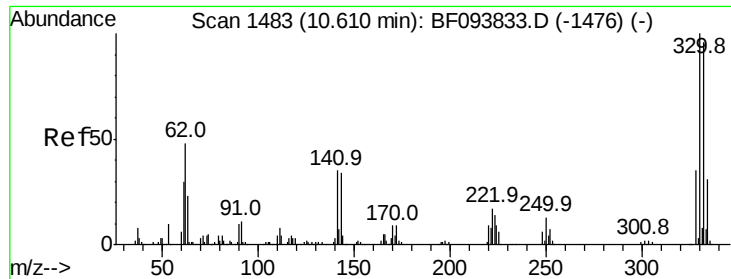
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.47 min Scan# 1289
Delta R.T. -0.03 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	123.8
160	43.9	36.2	54.2





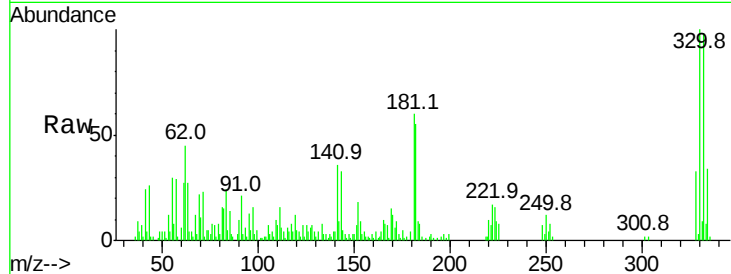
#41
 2,4,6-Tribromophenol
 Concen: 19.13 ng
 RT: 10.45 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: BF094385.D
 Acq: 12 Apr 2017 10:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-WSWDL

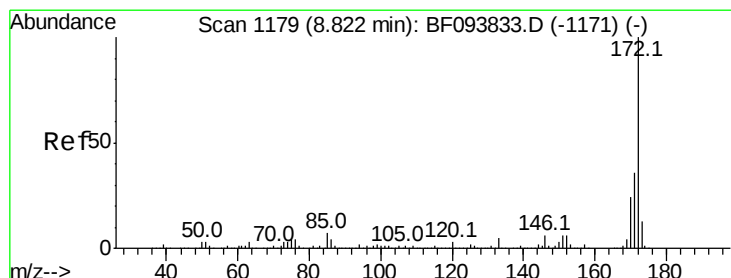
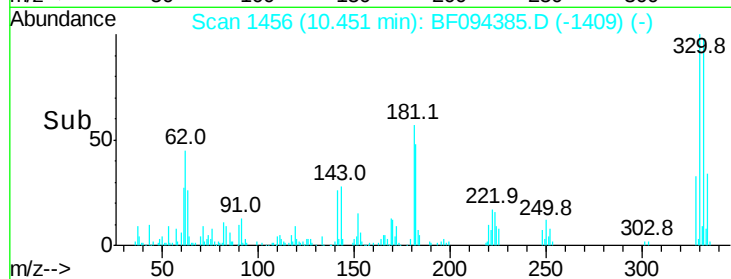
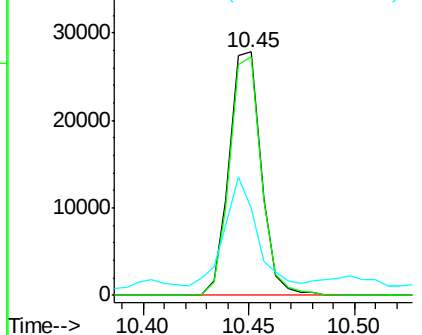
Tot Ion	Ratio	Resp	Lower	Upper
330	100	29254		
332	96.6	76.6	115.0	
141	44.2	31.4	47.2	

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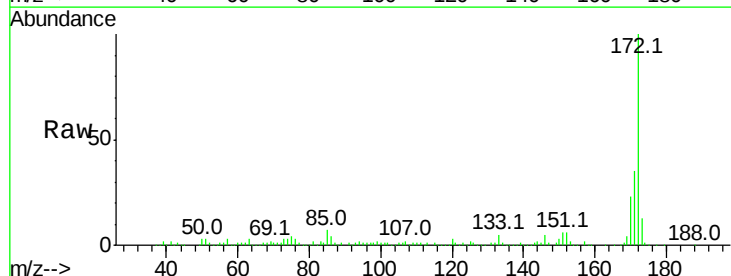


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

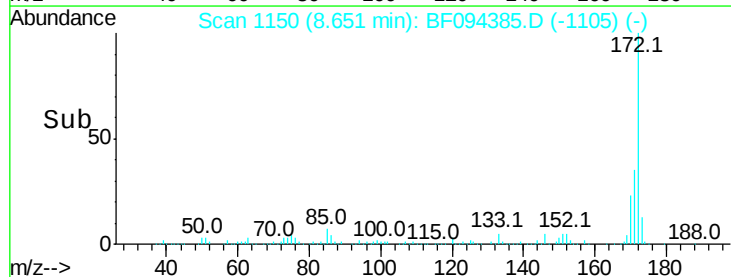
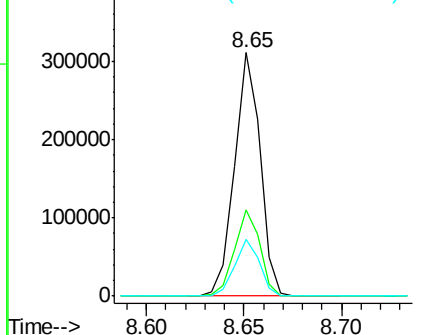


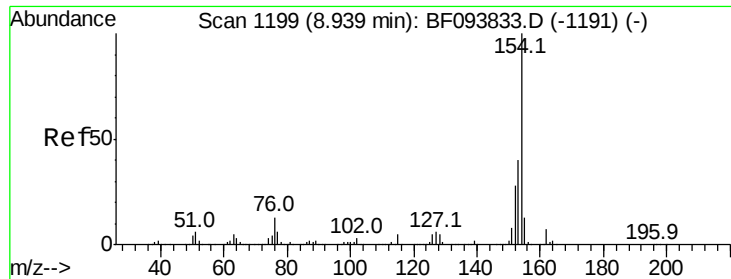
#44
 2-Fluorobiphenyl
 Concen: 22.36 ng
 RT: 8.65 min Scan# 1150
 Delta R.T. -0.04 min
 Lab File: BF094385.D
 Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	283697		
171	35.2	29.6	44.4	
170	23.4	19.8	29.8	



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





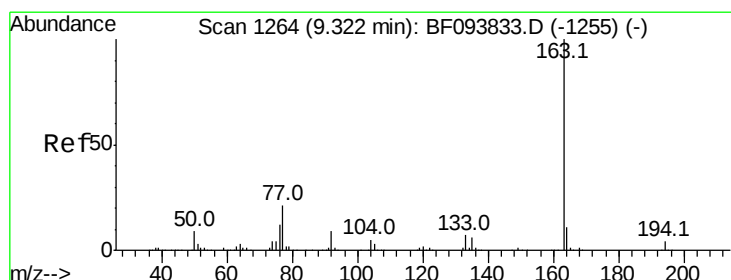
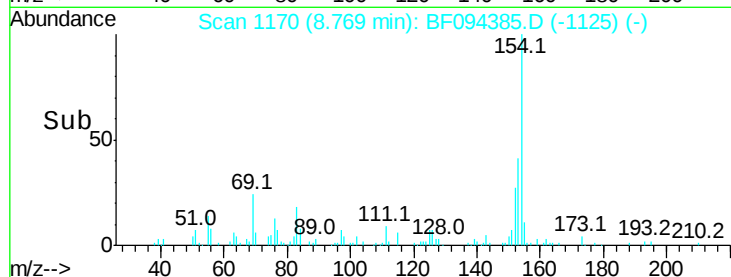
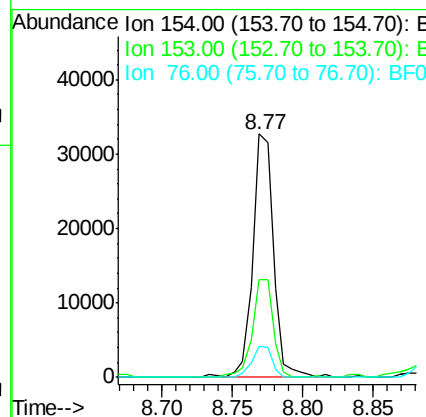
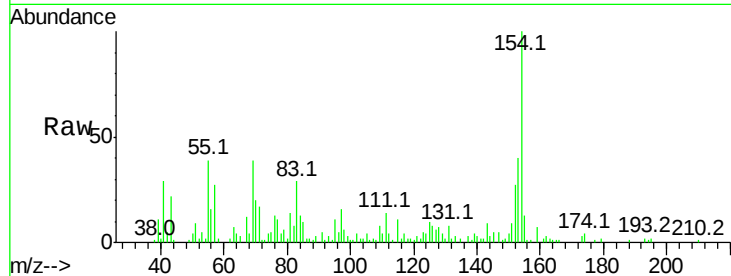
#45
 1,1'-Biphenyl
 Concen: 2.17 ng
 RT: 8.77 min Scan# 1170
 Delta R.T. -0.04 min
 Lab File: BF094385.D
 Acq: 12 Apr 2017 10:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-WSWDL

Tot Ion:	154	Resp:	33848
Ion Ratio	Lower	Upper	
154	100		
153	40.1	21.2	61.2
76	12.7	0.0	29.9

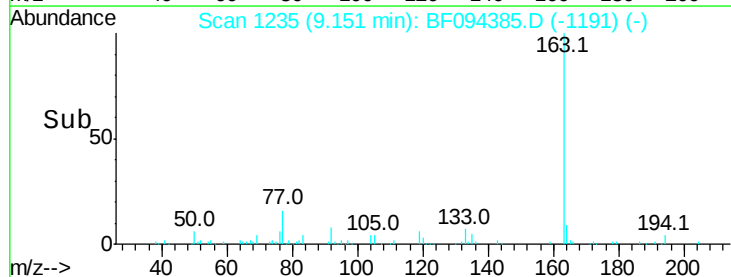
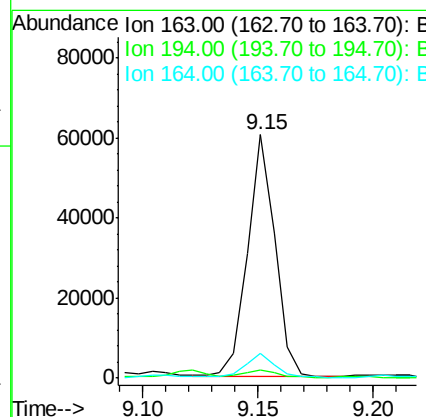
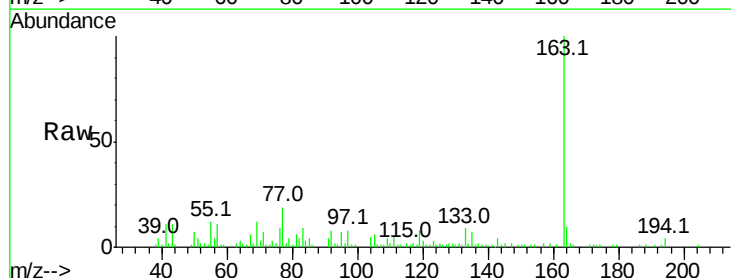
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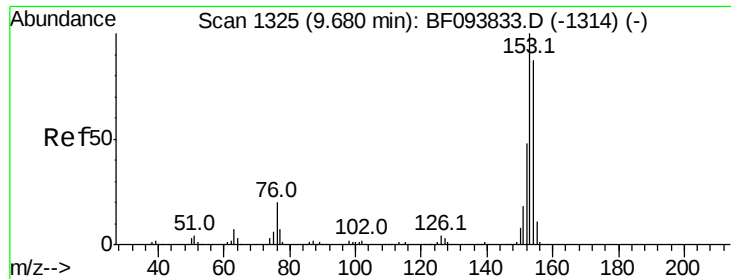
mohammad
 4/12/2017 5:12:32 PM



#49
 Dimethylphthalate
 Concen: 3.64 ng
 RT: 9.15 min Scan# 1235
 Delta R.T. -0.04 min
 Lab File: BF094385.D
 Acq: 12 Apr 2017 10:26

Tgt Ion:	163	Resp:	50075
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	10.1	8.4	12.6





#51

Acenaphthene

Concen: 6.60 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.04 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Instrument :

BNA_F

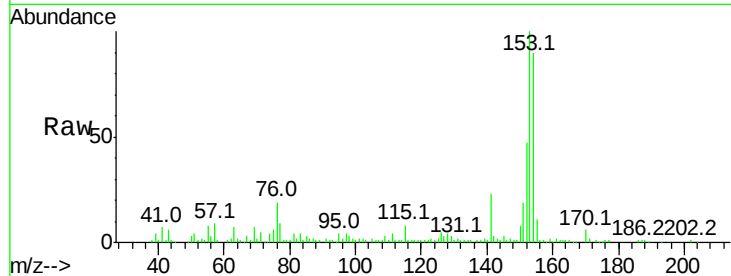
ClientSampleId :

E2-AA10-WSWDL

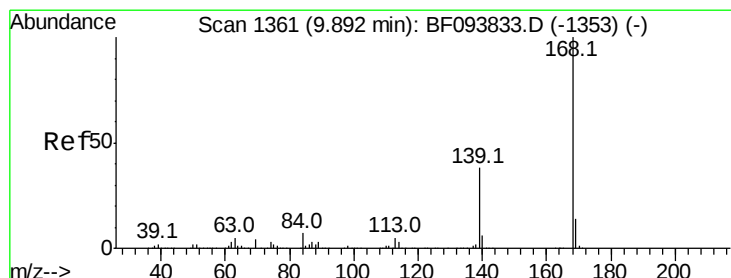
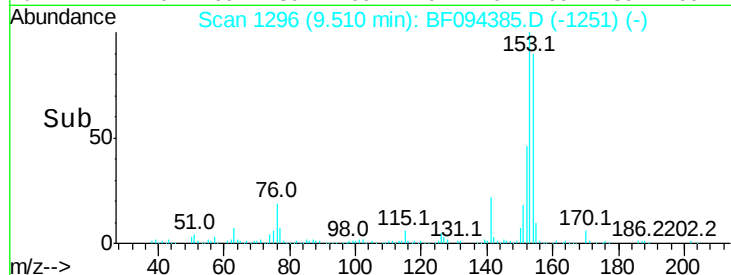
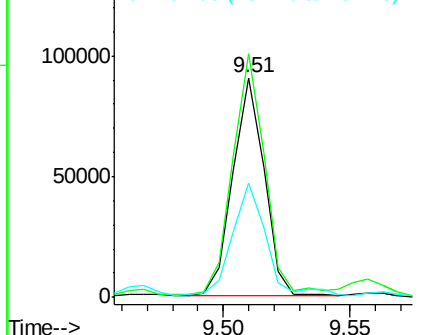
Tot Ion:	154	Resp:	78171
Ion Ratio	Lower	Upper	
154	100		
153	111.0	90.5	135.7
152	52.0	43.6	65.4

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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



#54

Dibenzofuran

Concen: 6.32 ng

RT: 9.72 min Scan# 1332

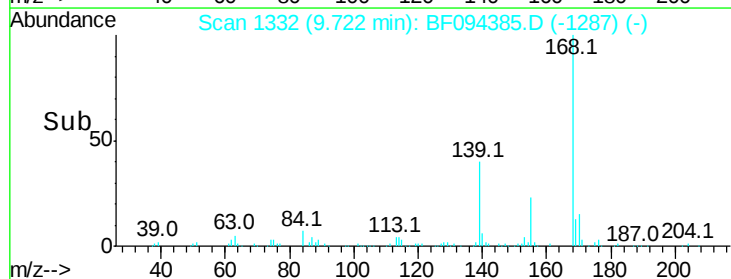
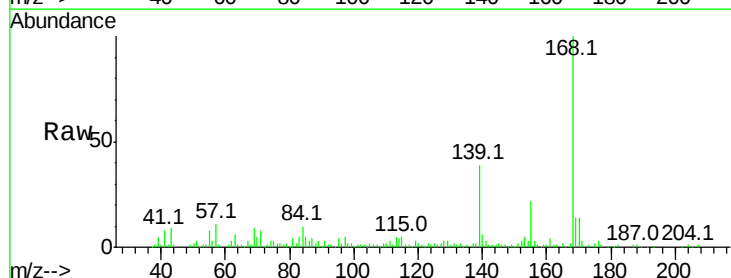
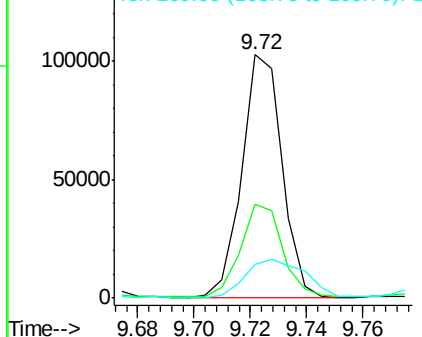
Delta R.T. -0.04 min

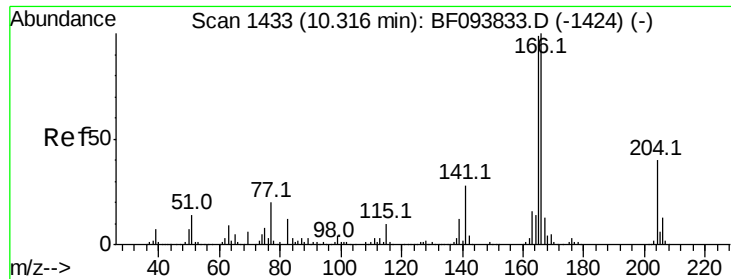
Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Tgt Ion:	168	Resp:	101989
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.6	45.8
169	14.1	10.8	16.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 6.85 ng

RT: 10.15 min Scan# 1404

Delta R.T. -0.03 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Instrument :

BNA_F

ClientSampleID :

E2-AA10-WSWDL

Tot Ion:166 Resp: 91585

Ion Ratio Lower Upper

166 100

165 97.9 78.8 118.2

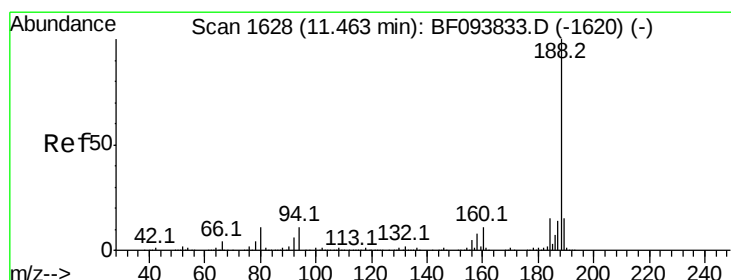
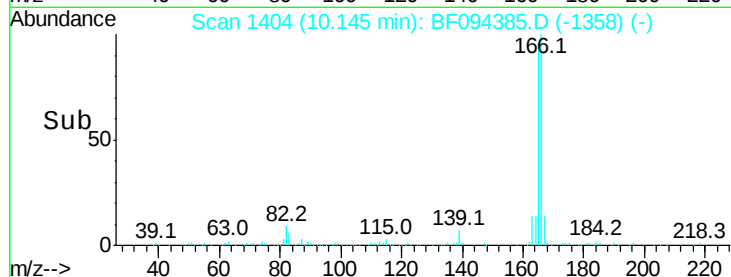
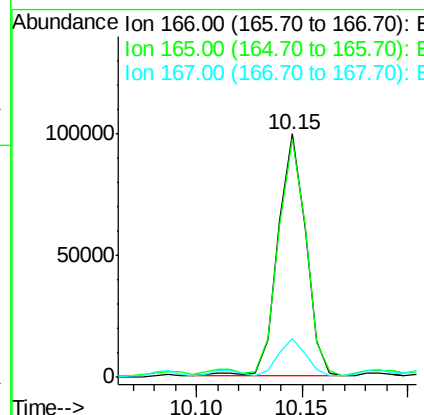
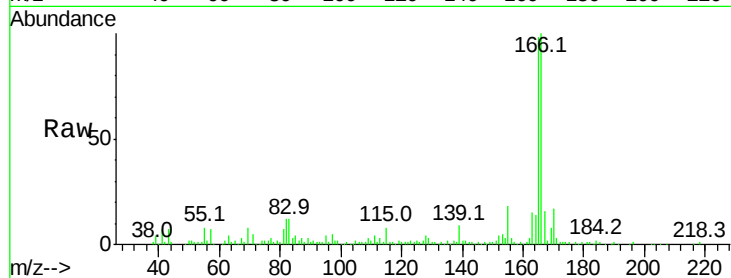
167 16.0 10.6 16.0#

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

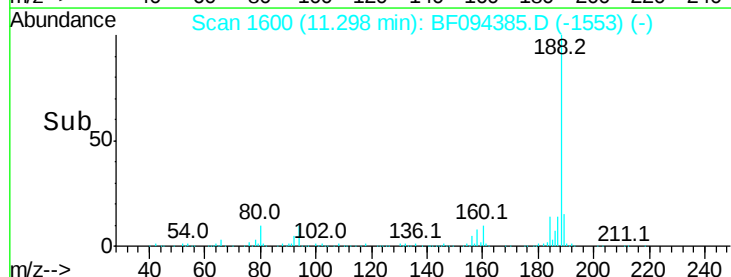
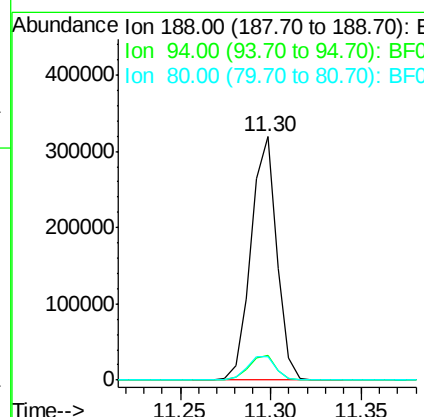
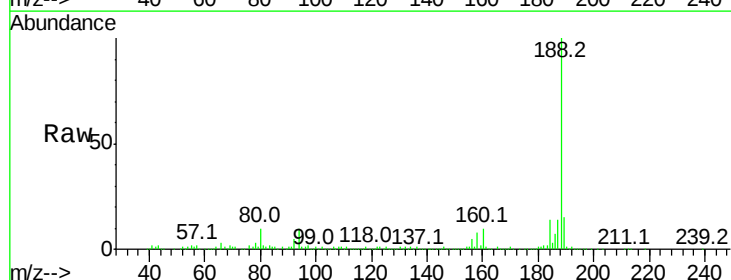
Tgt Ion:188 Resp: 314520

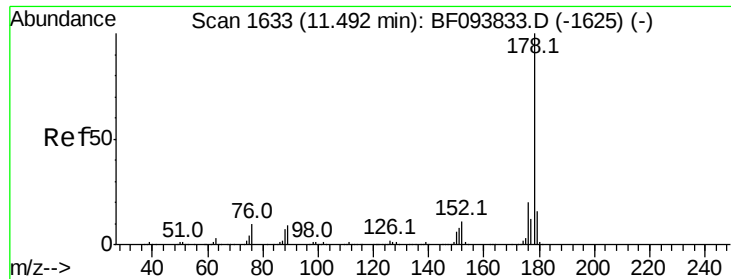
Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

80 9.7 10.2 15.2#





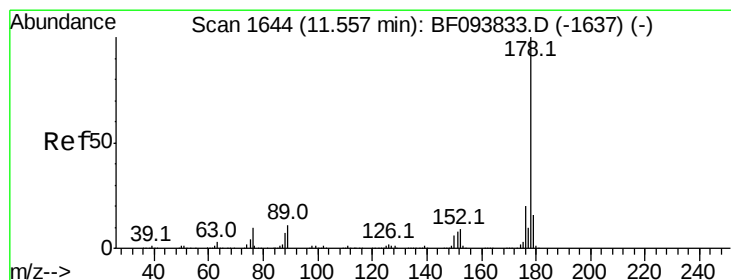
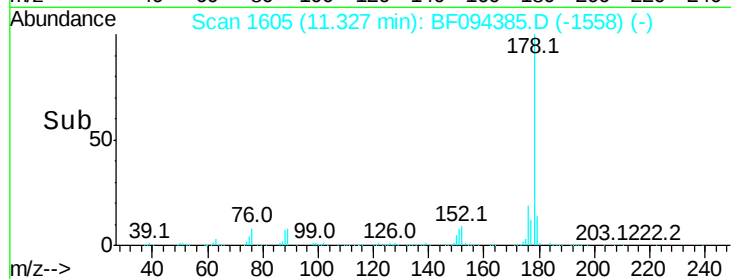
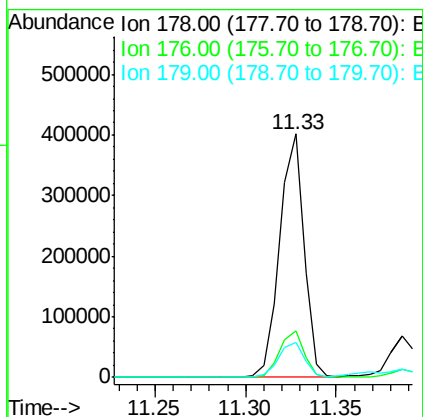
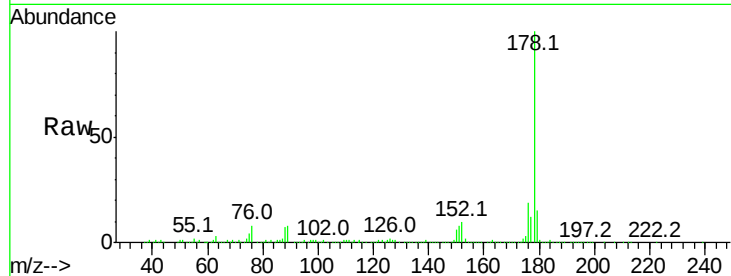
#70
Phenanthrene
Concen: 21.42 ng
RT: 11.33 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Instrument :
BNA_F
ClientSampleId :
E2-AA10-WSWDL

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

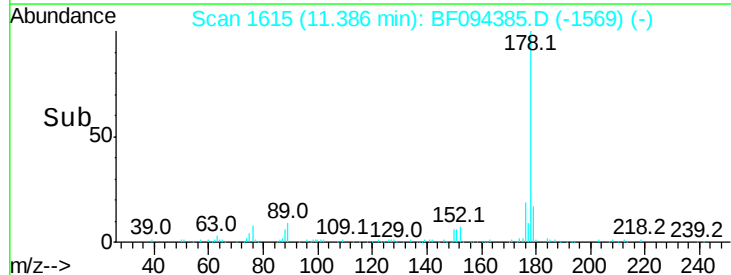
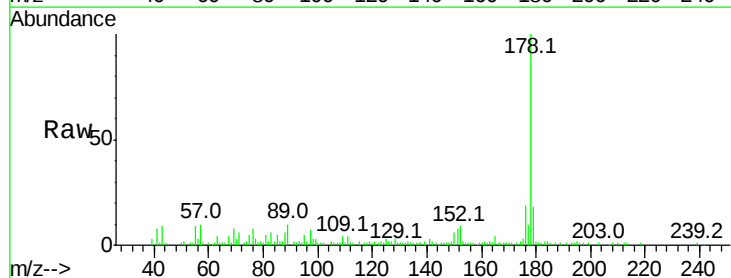
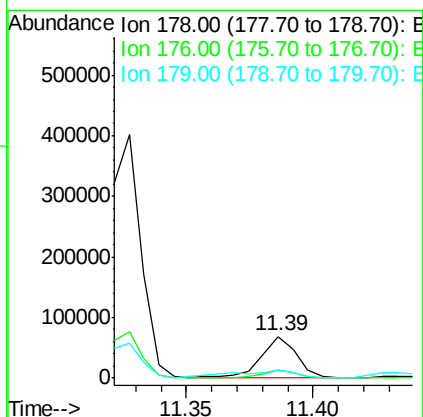
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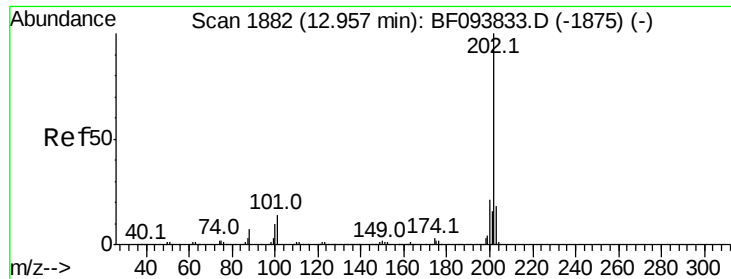
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#71
Anthracene
Concen: 3.60 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.03 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	18.0	12.7	19.1





#74

Fluoranthene

Concen: 15.42 ng

RT: 12.79 min Scan# 1853

Delta R.T. -0.03 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Instrument :

BNA_F

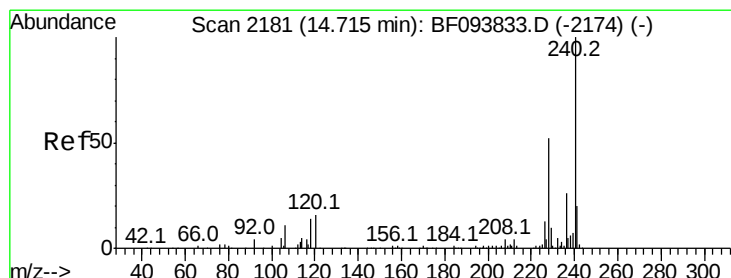
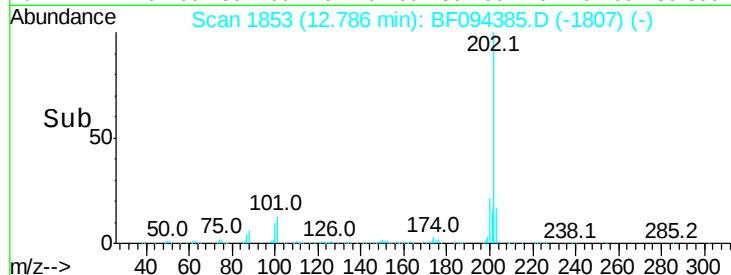
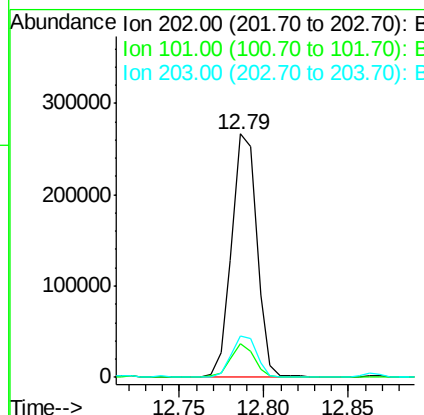
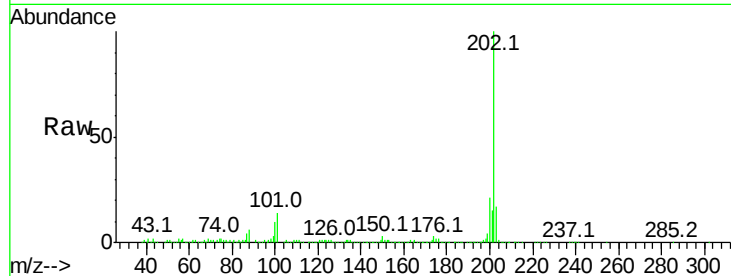
ClientSampleId :

E2-AA10-WSWDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		276234		
101	13.9	0.0	33.2		
203	17.2	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

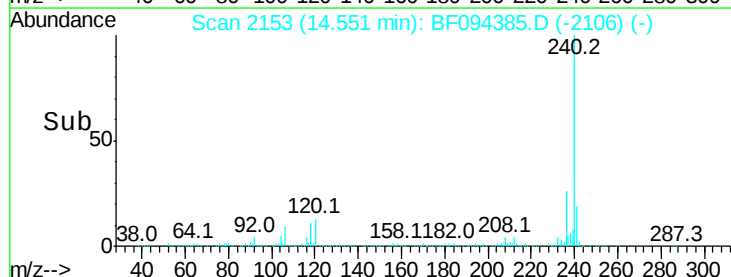
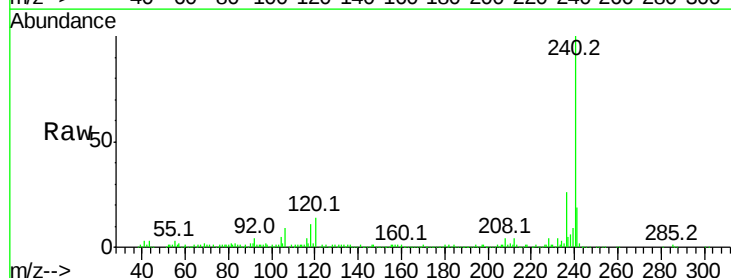
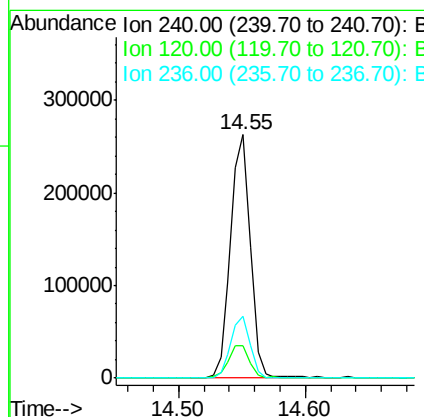
RT: 14.55 min Scan# 2153

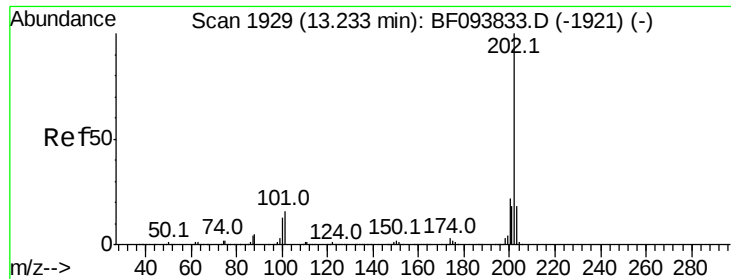
Delta R.T. -0.02 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		280957		
120	13.6	5.8	8.8#		
236	25.6	20.5	30.7		





#77

Pvrene

Concen: 10.97 ng

RT: 13.06 min Scan# 1900

Delta R.T. -0.03 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Instrument :

BNA_F

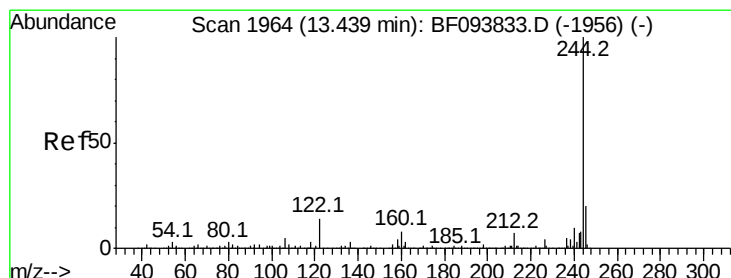
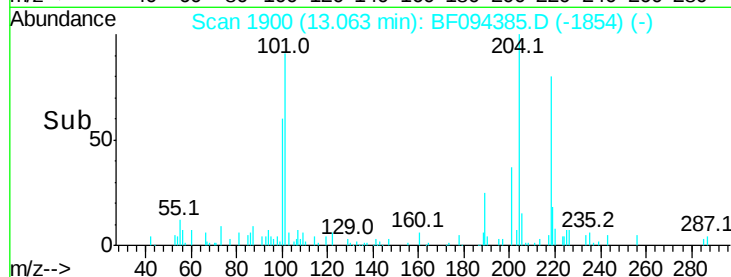
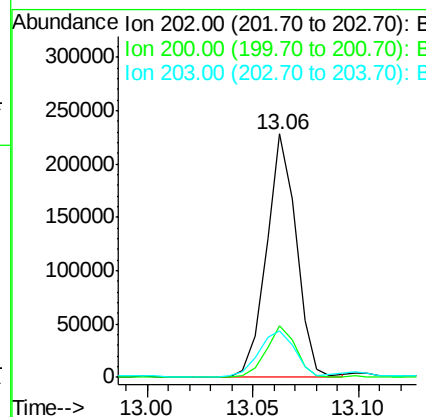
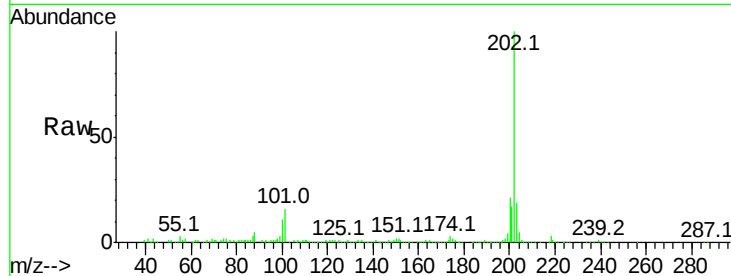
ClientSampleId :

E2-AA10-WSWDL

Tot Ion:202	Resp:	223693
Ion Ratio	Lower	Upper
202 100		
200 21.0	17.6	26.4
203 19.0	14.4	21.6

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#78

Terphenyl-d14

Concen: 16.14 ng

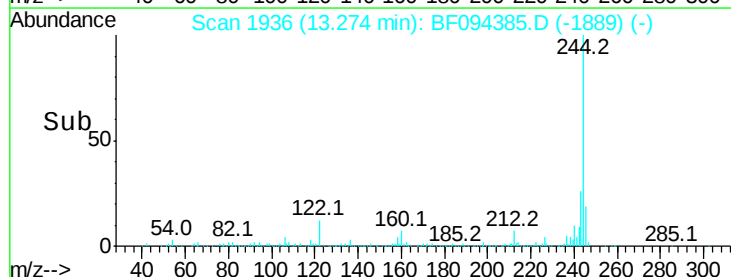
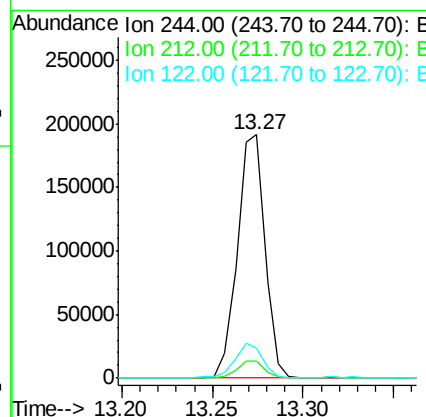
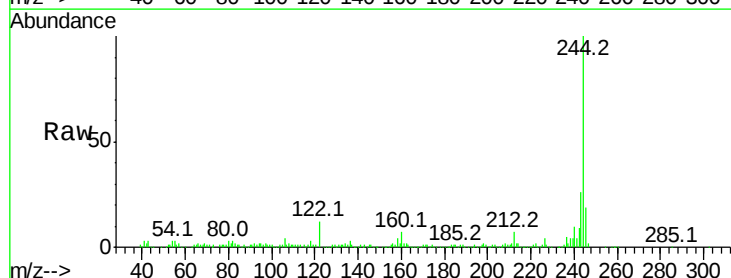
RT: 13.27 min Scan# 1936

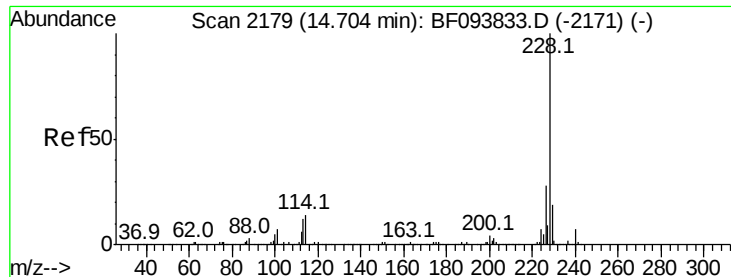
Delta R.T. -0.02 min

Lab File: BF094385.D

Acq: 12 Apr 2017 10:26

Tgt Ion:244	Resp:	202314
Ion Ratio	Lower	Upper
244 100		
212 7.0	6.0	9.0
122 12.1	10.3	15.5





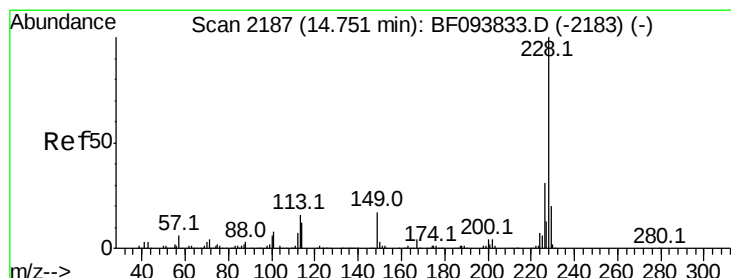
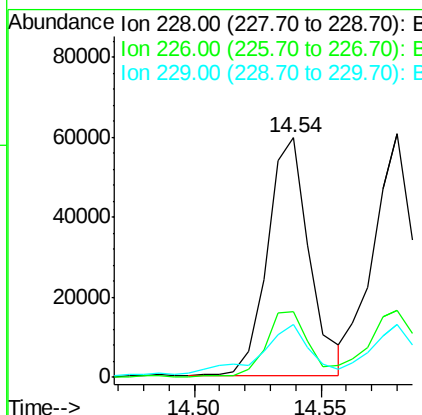
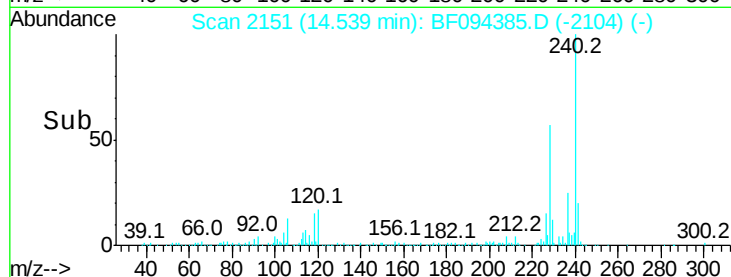
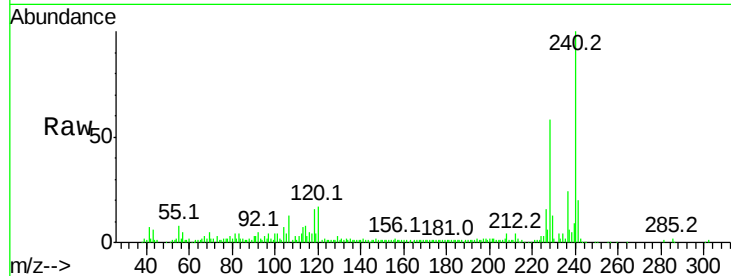
#80
Benzo(a)anthracene
Concen: 4.23 ng
RT: 14.54 min Scan# 2151
Delta R.T. -0.02 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Instrument :
BNA_F
ClientSampleId :
E2-AA10-WSWDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.9	16.3	24.5

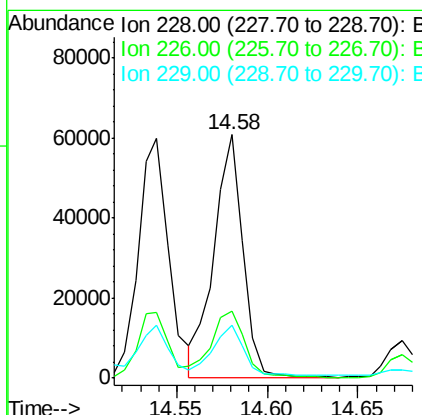
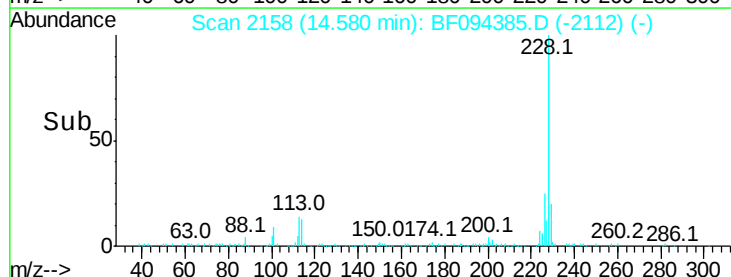
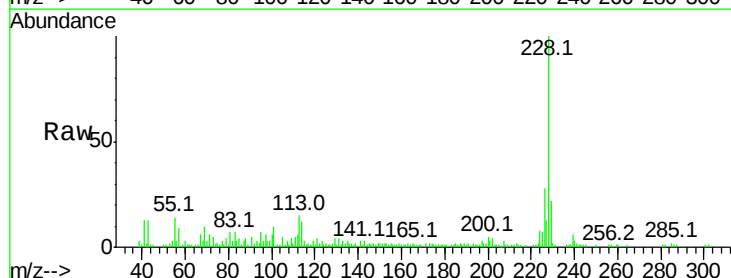
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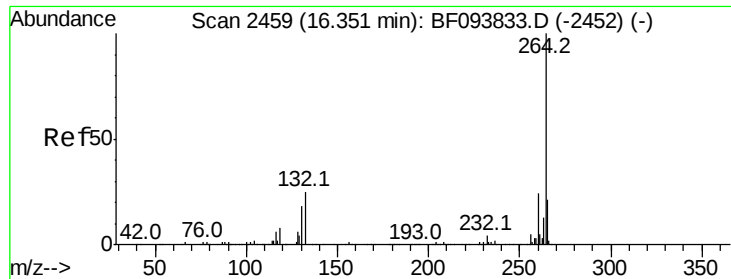
mohammad
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#82
Chrysene
Concen: 4.50 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.03 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	24.9	37.3
229	21.9	15.8	23.6





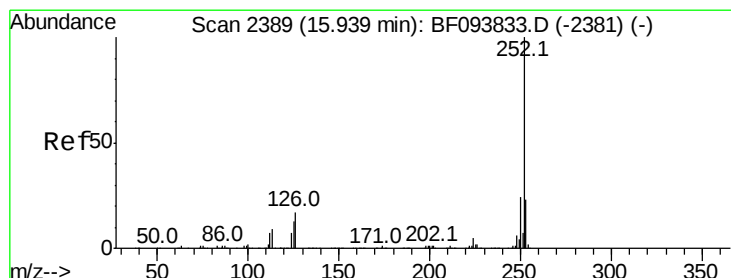
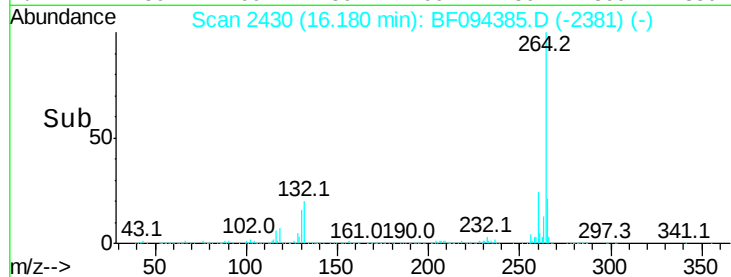
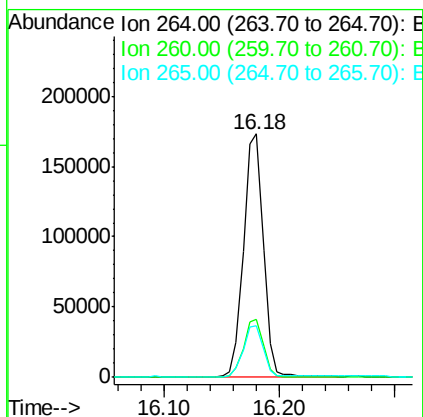
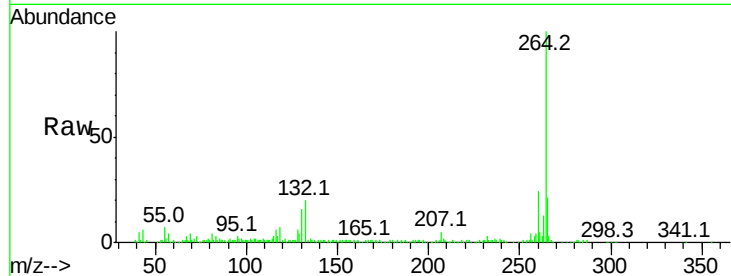
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Instrument :
BNA_F
ClientSampleId :
E2-AA10-WSWDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.4	17.2	25.8

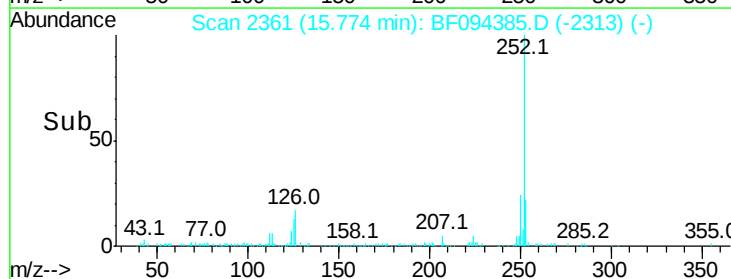
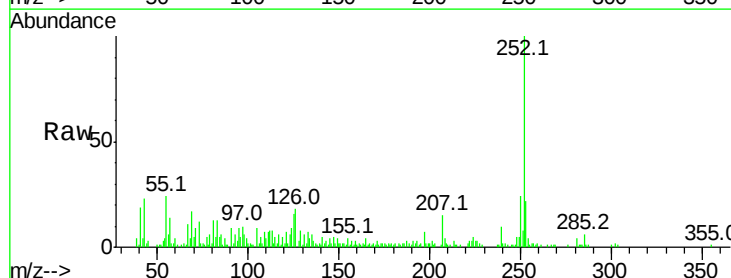
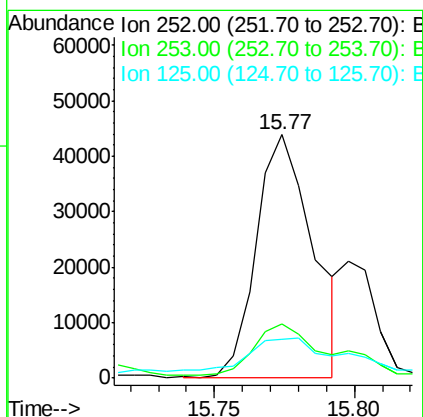
Manual Integrations
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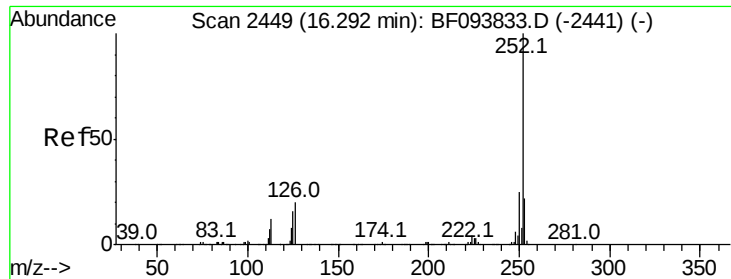
mohammad
4/12/2017 5:12:32 PM



#87
Benzo(b)fluoranthene
Concen: 4.84 ng m
RT: 15.77 min Scan# 2361
Delta R.T. -0.02 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.8	9.8	14.8





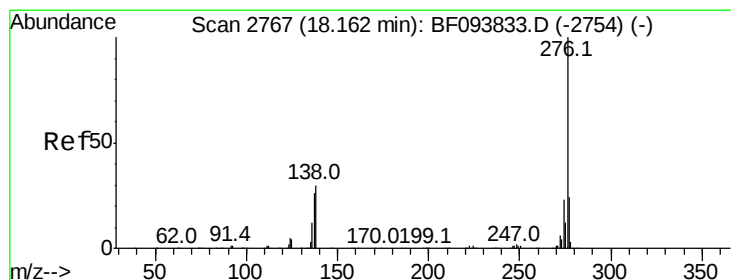
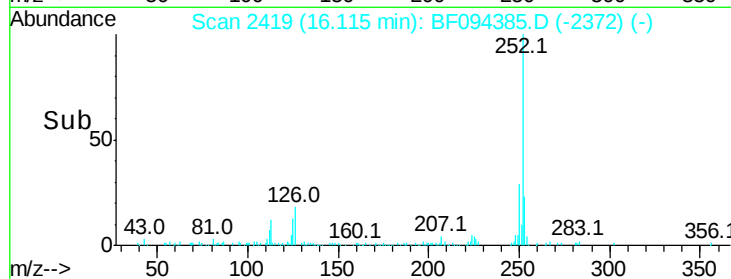
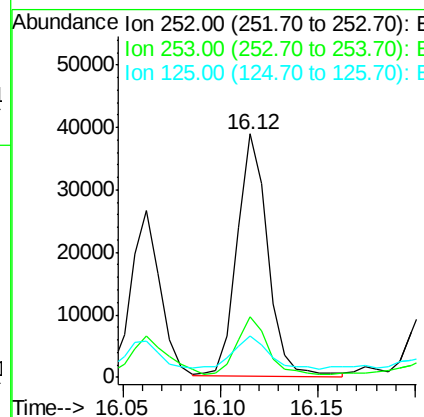
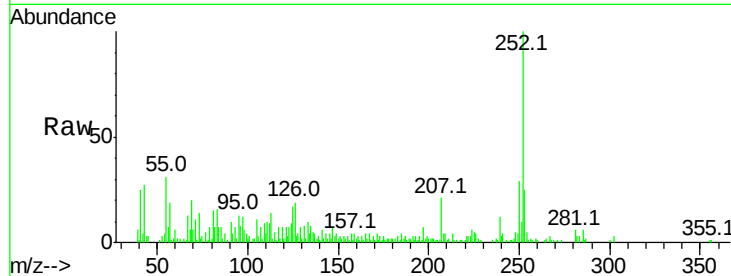
#89
Benzo(a)pyrene
Concen: 3.61 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Instrument :
BNA_F
ClientSampleId :
E2-AA10-WSWDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	17.0	11.0	16.4

Manual Integrations
APPROVED

mohammad
4/12/2017 5:12:32 PM



#91
Benzo(g,h,i)perylene
Concen: 2.06 ng
RT: 17.87 min Scan# 2718
Delta R.T. -0.04 min
Lab File: BF094385.D
Acq: 12 Apr 2017 10:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	35.3	25.4	38.0

