

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094162.D
 Acq On : 4 Apr 2017 11:44
 Operator : SJ/MA
 Sample : I2510-14 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-ESW

Manual Integrations
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mohammad
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Quant Time: Apr 04 12:45:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	166376	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	613968	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	233481	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	358659	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	310043	20.00	ng	-0.01
86) Perylene-d12	16.25	264	212066	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	195179	19.81	ng	-0.02
7) Phenol-d6	5.49	99	242824	19.93	ng	-0.02
23) Nitrobenzene-d5	6.53	82	113958	10.59	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	30477	16.52	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	234884	15.34	ng	-0.02
78) Terphenyl-d14	13.33	244	137789	9.96	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.42	128	77785	2.63	ng	99
51) Acenaphthene	9.57	154	47364	3.31	ng	97
54) Dibenzofuran	9.79	168	48825	2.51	ng	98
57) Fluorene	10.20	166	71170	4.41	ng	97
70) Phenanthrene	11.39	178	570724	28.61	ng	98
71) Anthracene	11.45	178	131051	6.38	ng	98
74) Fluoranthene	12.85	202	429881	21.04	ng	98
77) Pyrene	13.13	202	439919	19.55	ng	96
80) Benzo(a)anthracene	14.60	228	164735	9.11	ng	98
82) Chrysene	14.64	228	160781m	9.58	ng	
85) Indeno(1,2,3-cd)pyrene	17.59	276	41512	2.86	ng	# 93
87) Benzo(b)fluoranthene	15.84	252	116791m	8.98	ng	
88) Benzo(k)fluoranthene	15.86	252	37808m	2.97	ng	
89) Benzo(a)pyrene	16.19	252	90075	7.52	ng	# 96
91) Benzo(a,h,i)perylene	17.99	276	43193	4.23	ng	96

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

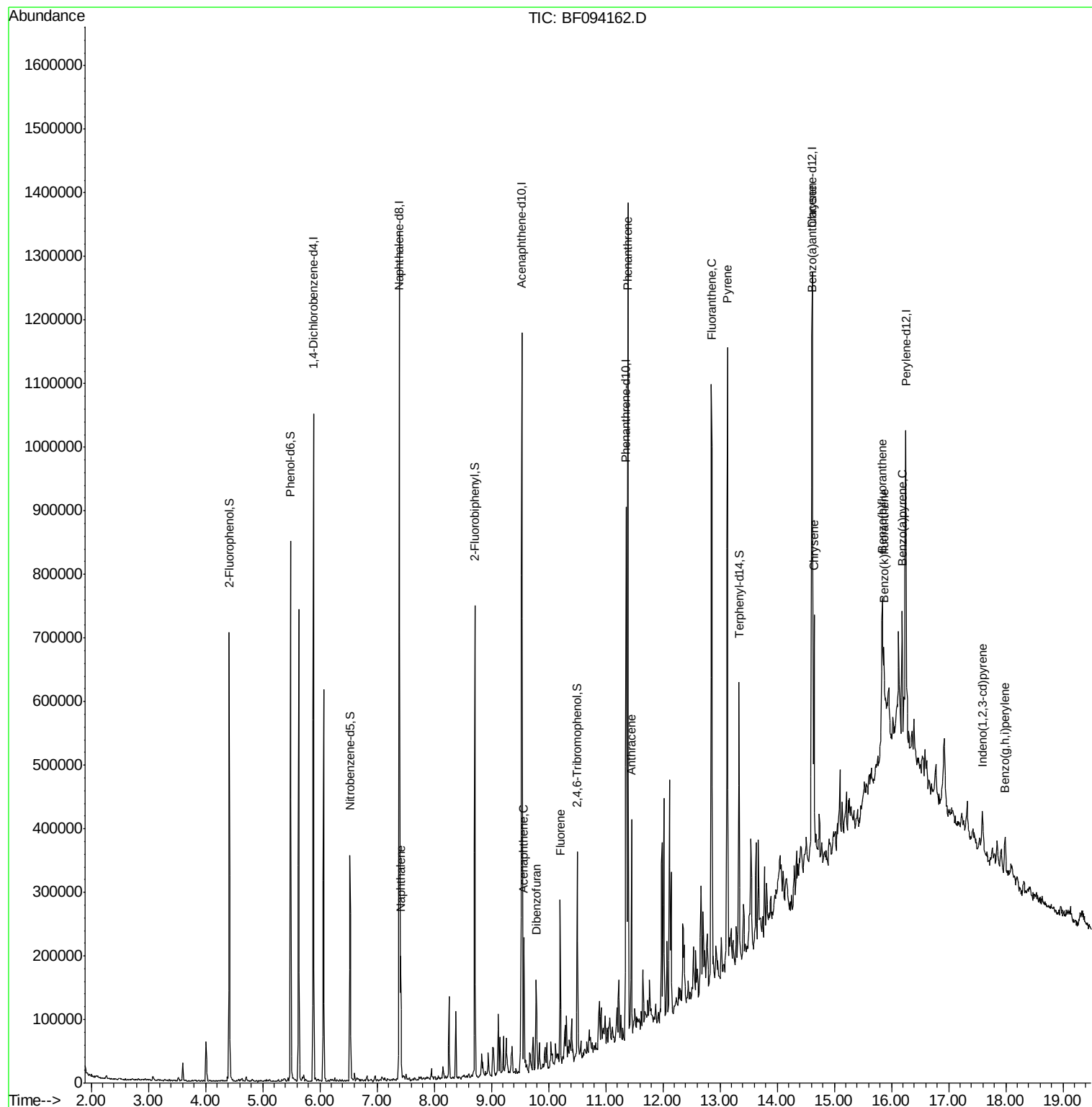
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094162.D
Acq On : 4 Apr 2017 11:44
Operator : SJ/MA
Sample : I2510-14 5X
Misc :
ALS Vial : 44 Sample Multiplier: 1

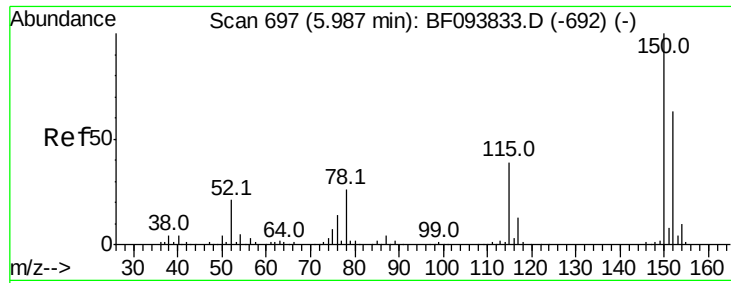
Instrument :
BNA_F
ClientSampled :
E2-U4-ESW

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Quant Time: Apr 04 12:45:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

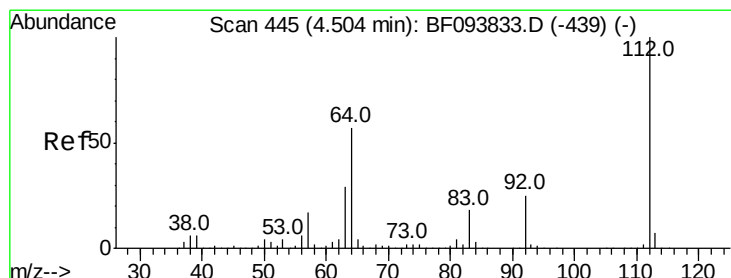
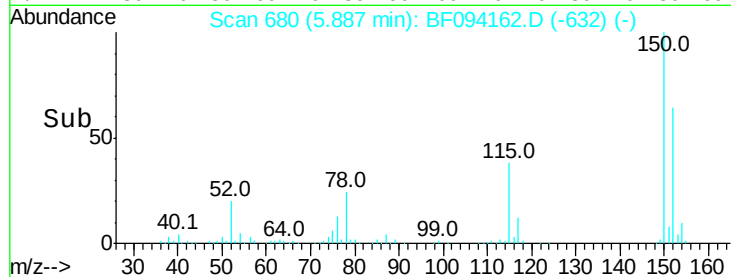
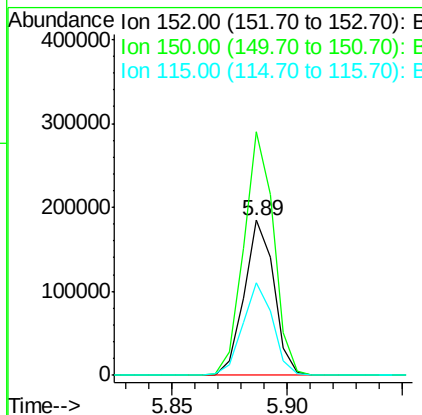
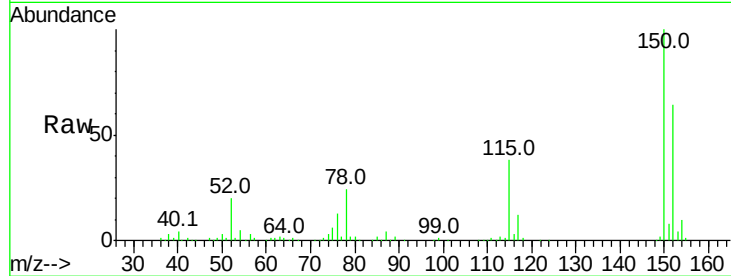
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094162.D
Acq: 4 Apr 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-U4-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	60.0	52.2	78.2

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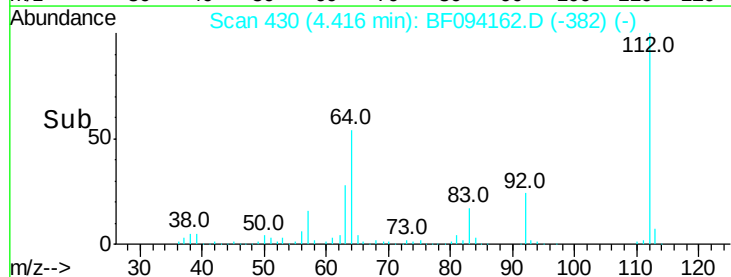
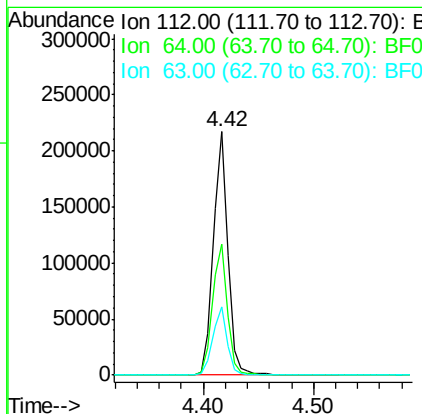
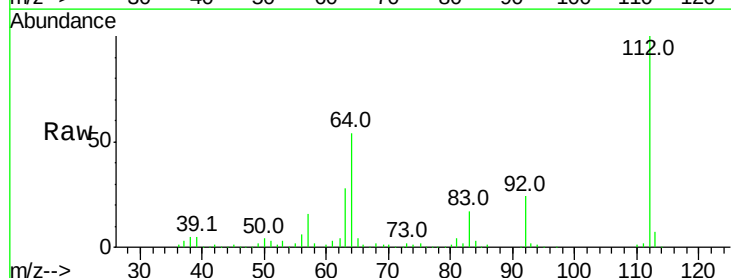
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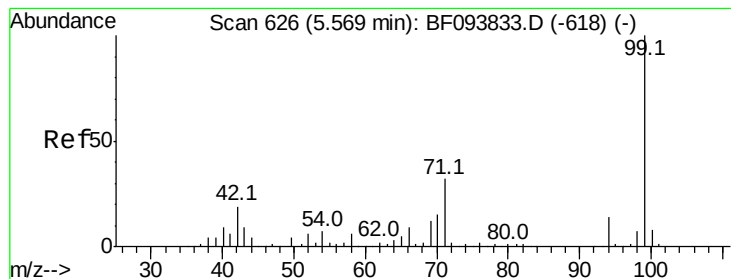


#5

2-Fluorophenol
Concen: 19.81 ng
RT: 4.42 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF094162.D
Acq: 4 Apr 2017 11:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	46.0	69.0
63	28.1	23.4	35.0





#7

Phenol-d6

Concen: 19.93 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Instrument :

BNA_F

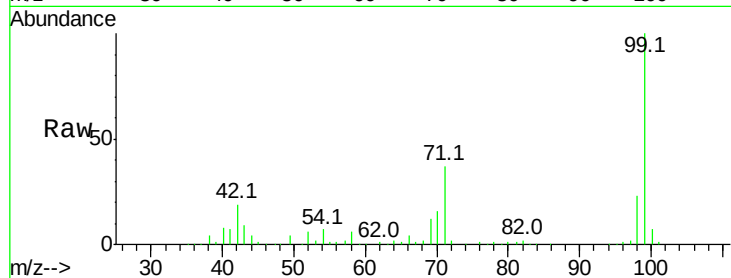
ClientSampleId :

E2-U4-ESW

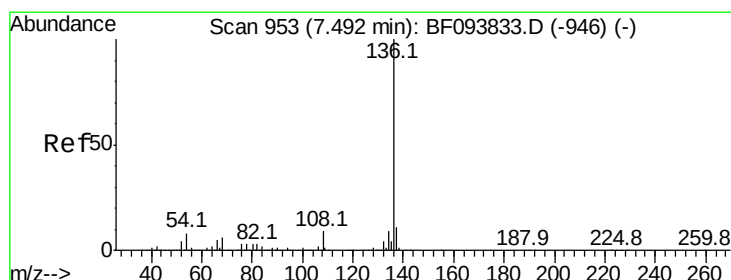
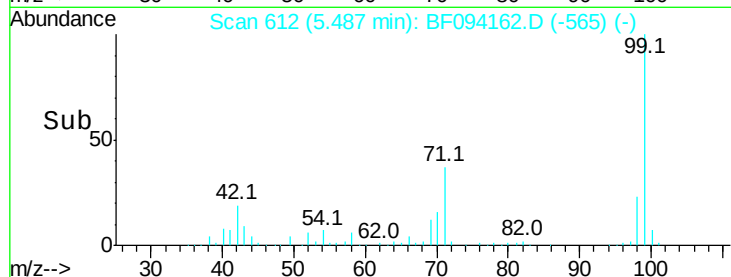
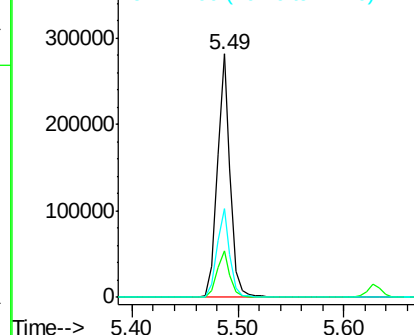
Tot Ion:	99	Resp:	242824
Ion Ratio	Lower	Upper	
99	100		
42	19.2	13.5	20.3
71	36.7	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

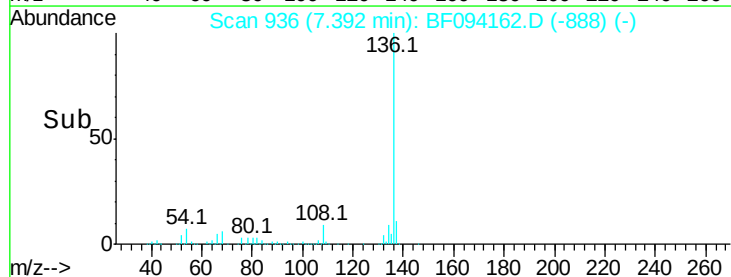
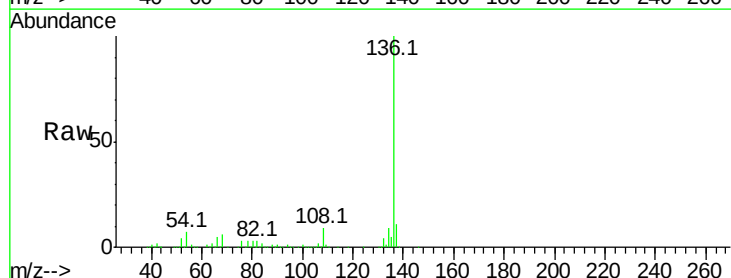
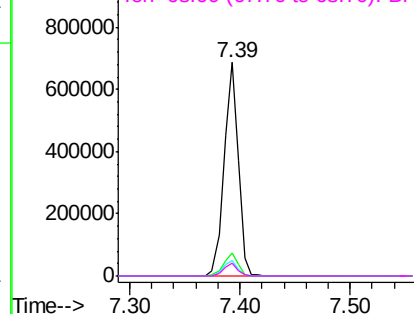
Delta R.T. -0.02 min

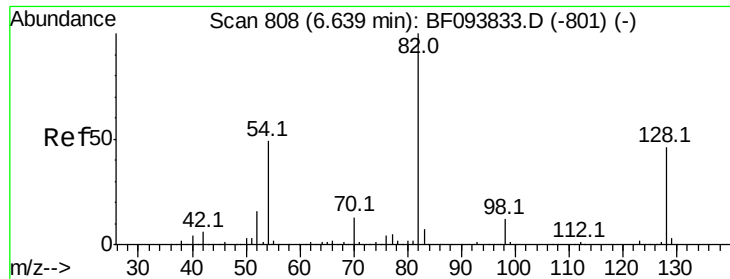
Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Tgt Ion:	136	Resp:	613968
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	7.2	4.9	7.3
68	5.8	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





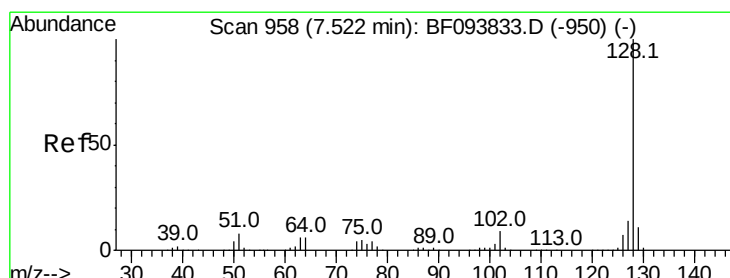
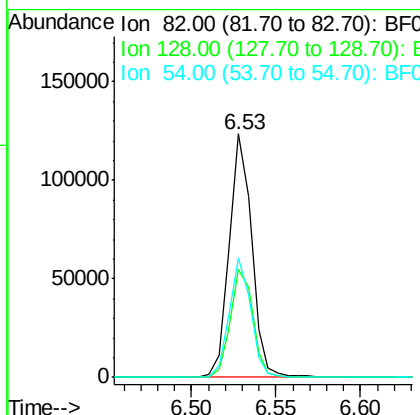
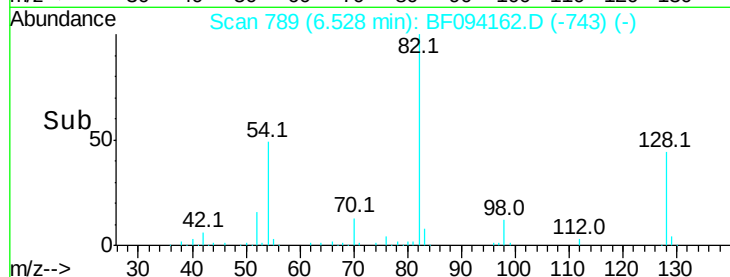
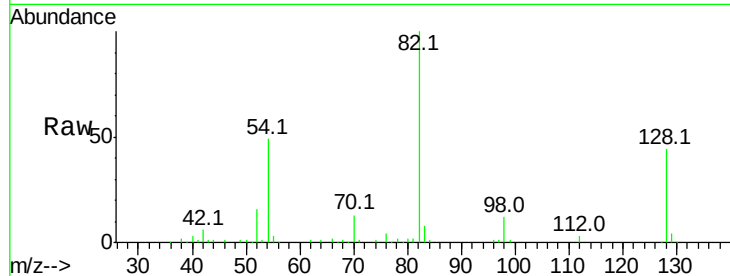
#23
 Nitrobenzene-d5
 Concen: 10.59 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094162.D
 Acq: 4 Apr 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-ESW

Tot Ion:	82	Resp:	113958
Ion Ratio	Lower	Upper	
82	100		
128	44.2	34.0	51.0
54	49.2	42.2	63.2

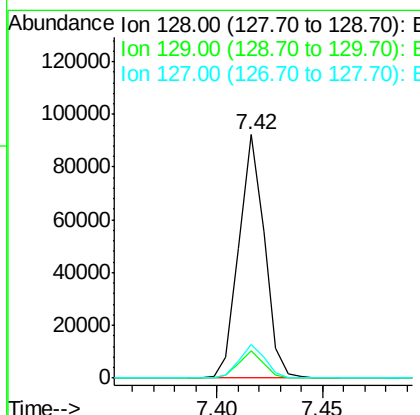
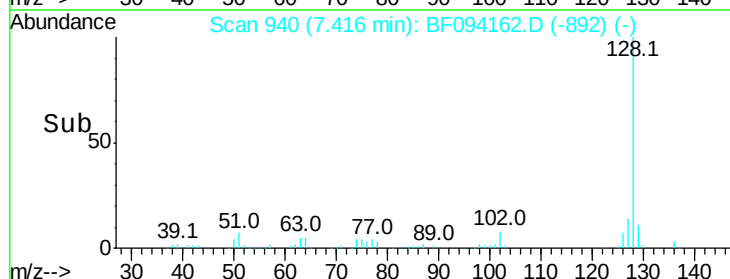
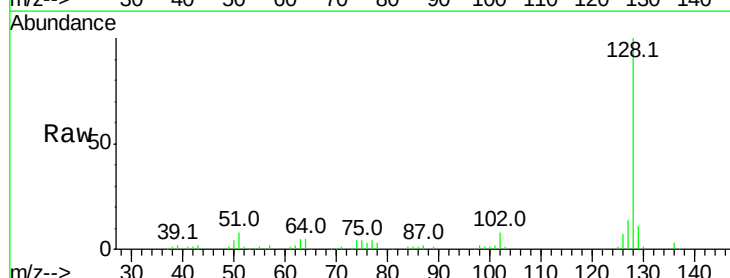
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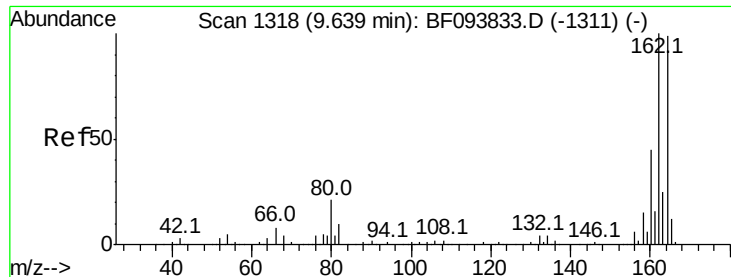
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#31
 Naphthalene
 Concen: 2.63 ng
 RT: 7.42 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF094162.D
 Acq: 4 Apr 2017 11:44

Tgt Ion:	128	Resp:	77785
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.8	10.8	16.2





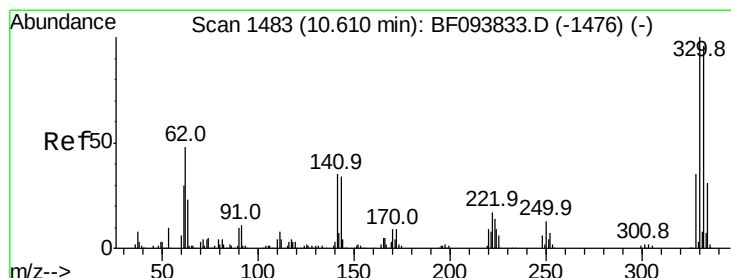
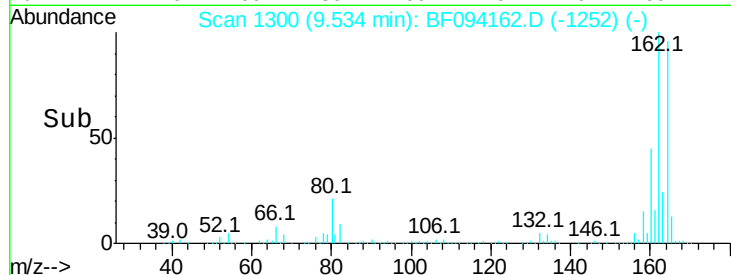
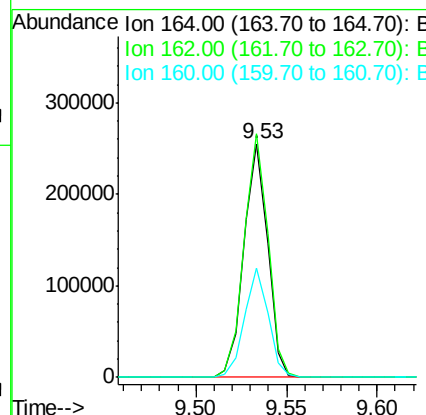
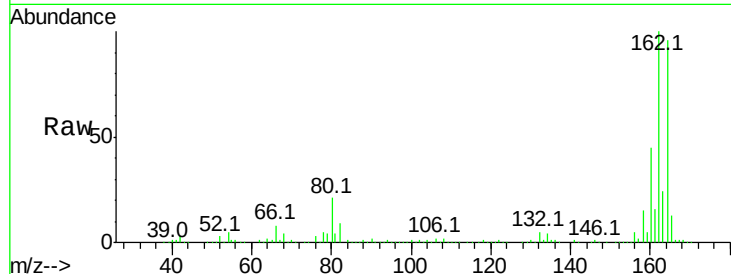
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094162.D
 Acq: 4 Apr 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-ESW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	233481		
162	104.1	82.6	123.8	
160	46.7	36.2	54.2	

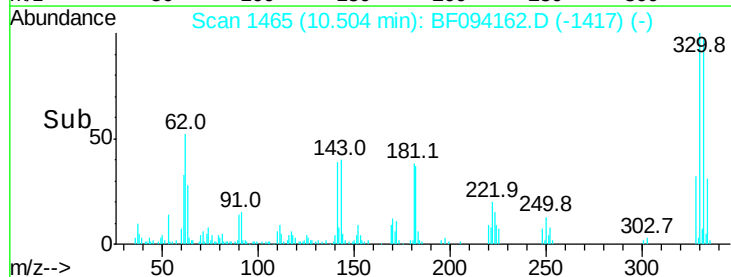
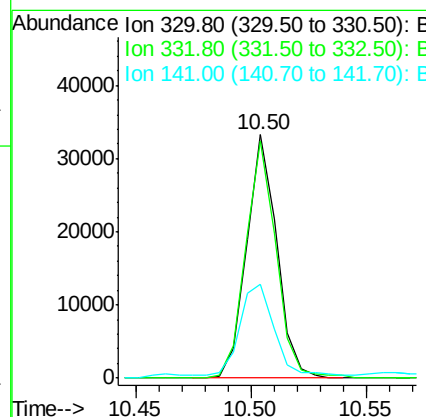
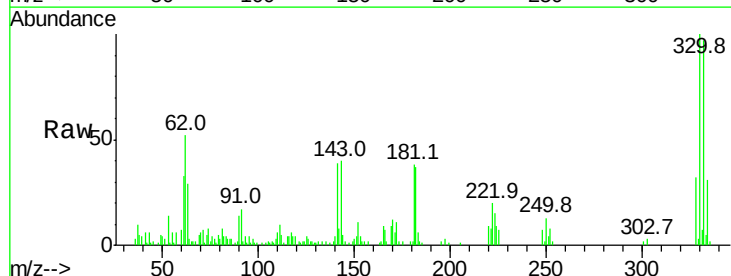
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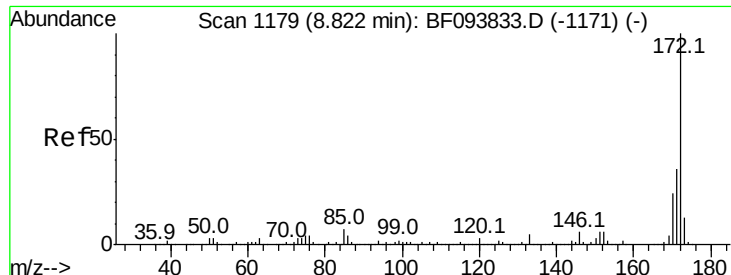
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#41
 2,4,6-Tribromophenol
 Concen: 16.52 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094162.D
 Acq: 4 Apr 2017 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	30477		
332	98.1	76.6	115.0	
141	42.9	31.4	47.2	





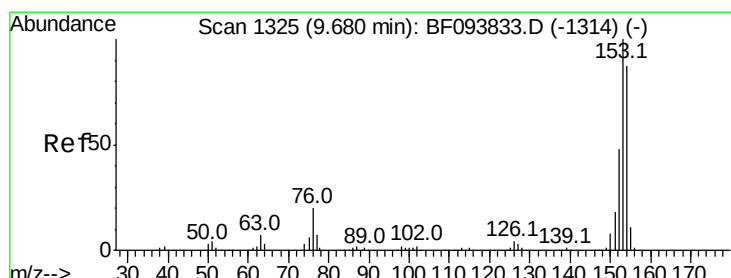
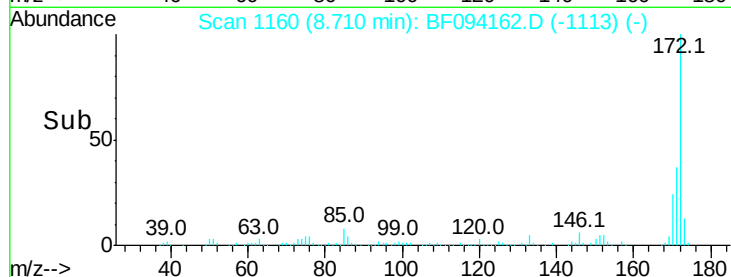
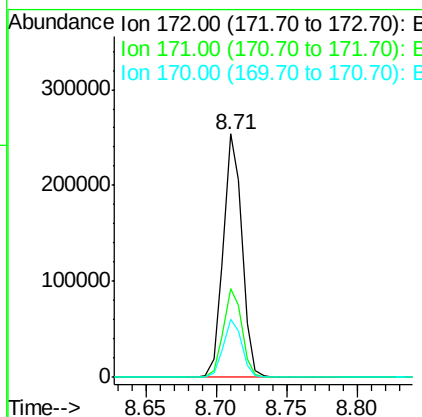
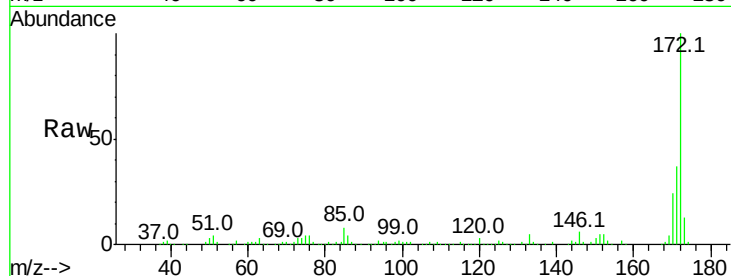
#44
2-Fluorobiphenyl
Concen: 15.34 ng
RT: 8.71 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF094162.D
Acq: 4 Apr 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-U4-ESW

Tot Ion	Ratio	Resp	Lower	Upper
172	100	234884		
171	36.6		29.6	44.4
170	23.9		19.8	29.8

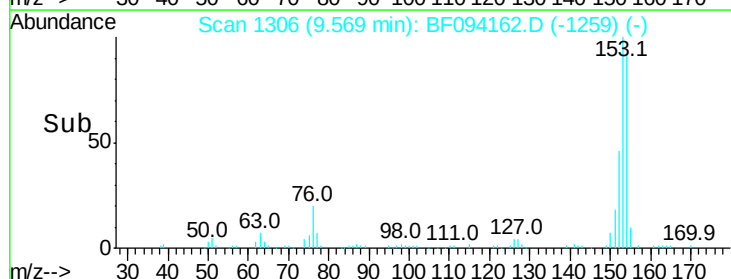
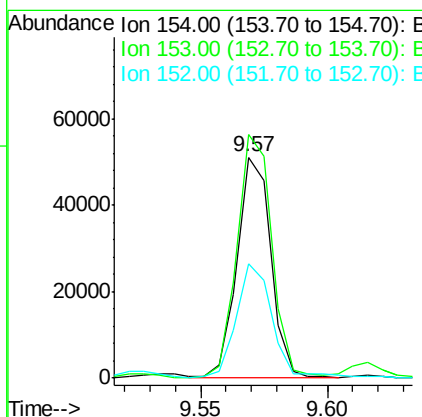
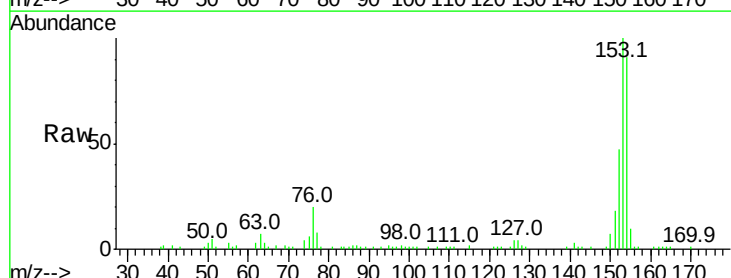
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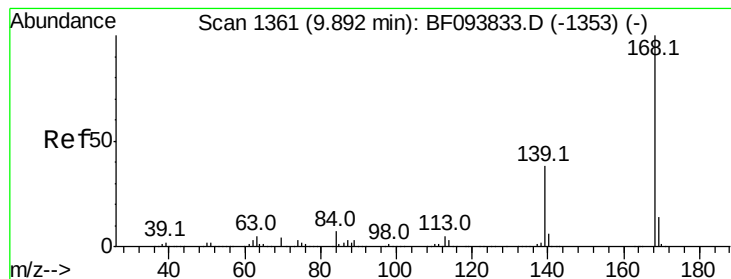
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#51
Acenaphthene
Concen: 3.31 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF094162.D
Acq: 4 Apr 2017 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	47364		
153	110.4		90.5	135.7
152	51.7		43.6	65.4





#54

Dibenzofuran

Concen: 2.51 ng

RT: 9.79 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Instrument :

BNA_F

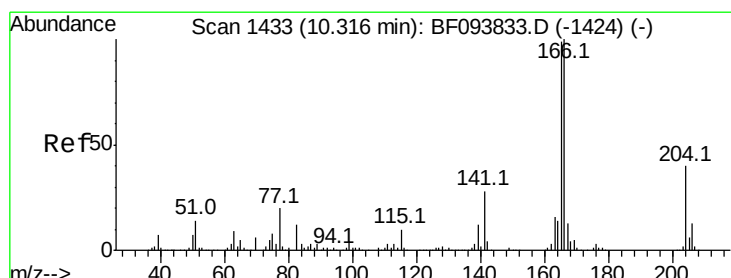
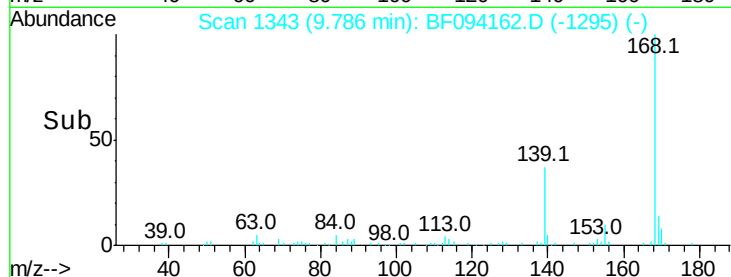
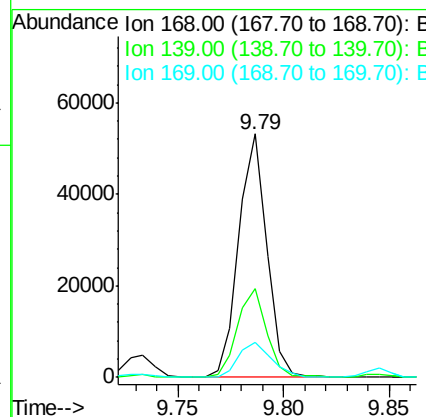
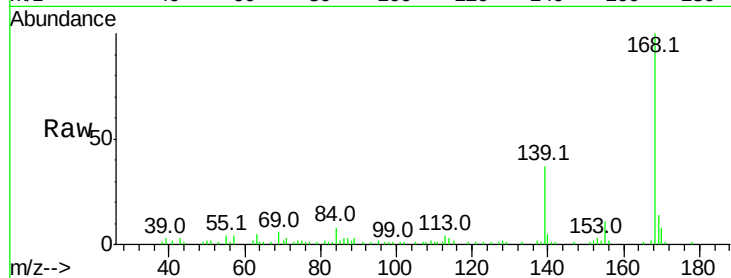
ClientSampleId :

E2-U4-ESW

Tot Ion:	168	Resp:	48825
Ion Ratio	Lower	Upper	
168	100		
139	36.5	30.6	45.8
169	14.2	10.8	16.2

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#57

Fluorene

Concen: 4.41 ng

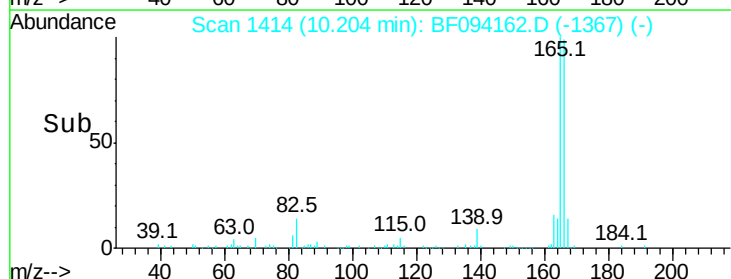
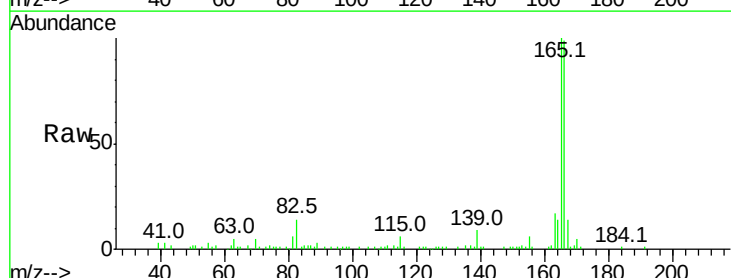
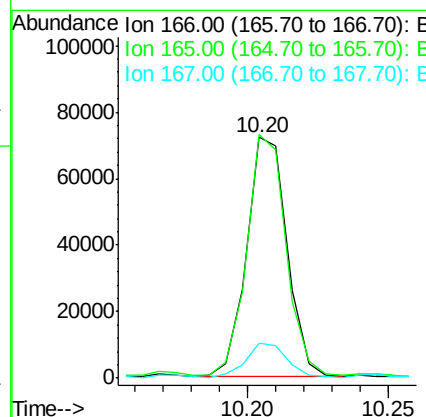
RT: 10.20 min Scan# 1414

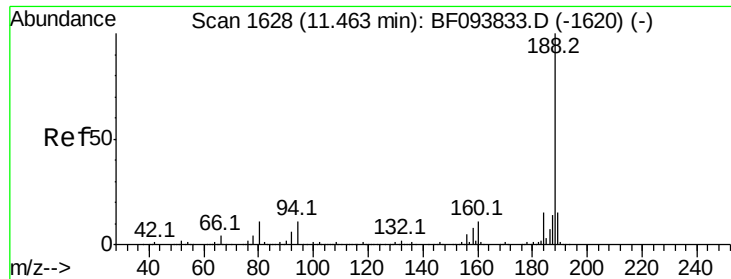
Delta R.T. -0.02 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Tgt Ion:	166	Resp:	71170
Ion Ratio	Lower	Upper	
166	100		
165	101.2	78.8	118.2
167	14.4	10.6	16.0





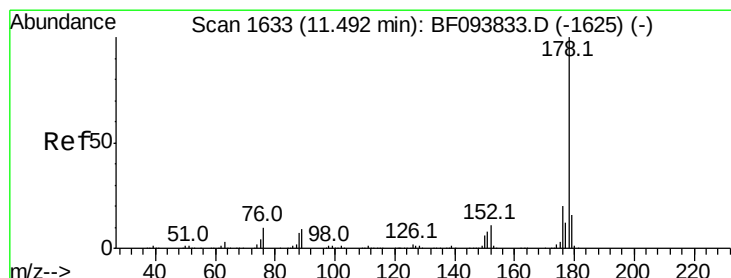
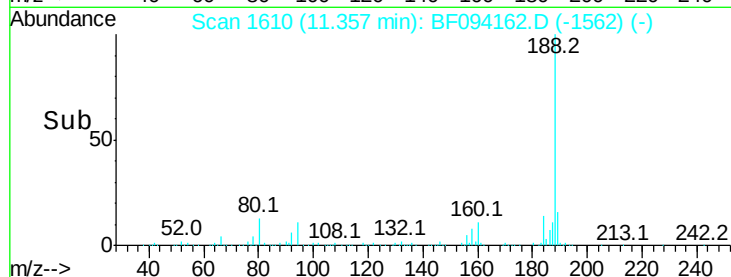
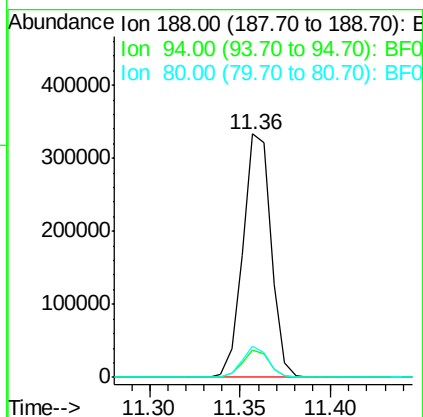
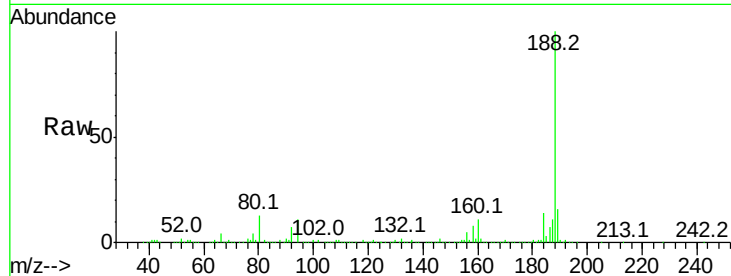
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094162.D
Acq: 4 Apr 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-U4-ESW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	358659		
94	11.4		9.4	14.2
80	12.7		10.2	15.2

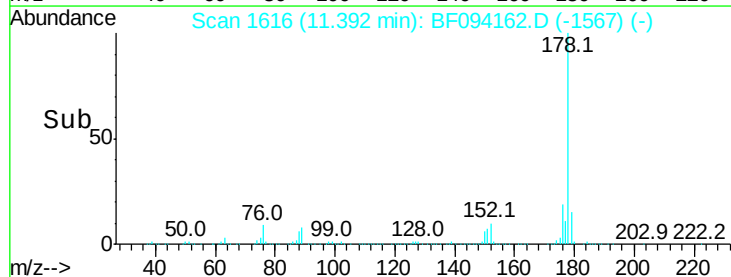
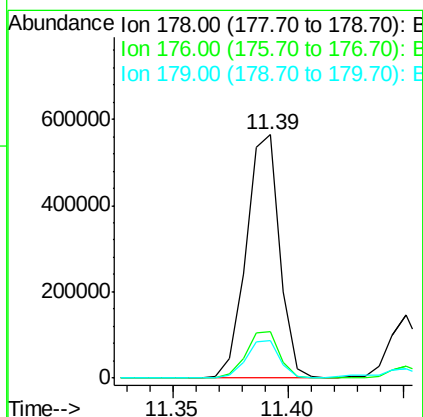
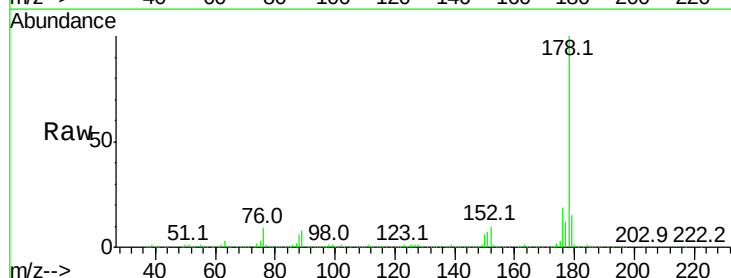
Manual Integrations
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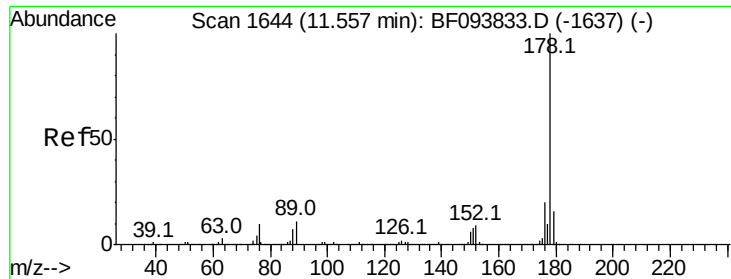
mohammad
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#70
Phenanthrene
Concen: 28.61 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF094162.D
Acq: 4 Apr 2017 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	570724		
176	19.3		16.2	24.4
179	15.4		12.6	19.0





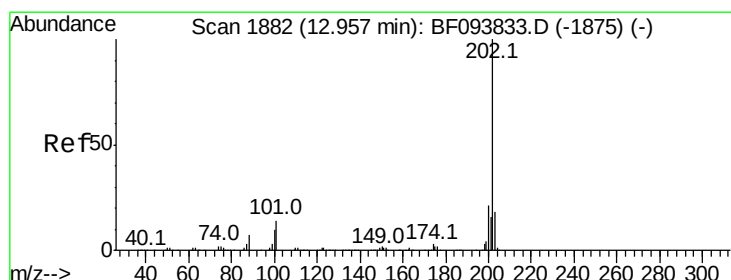
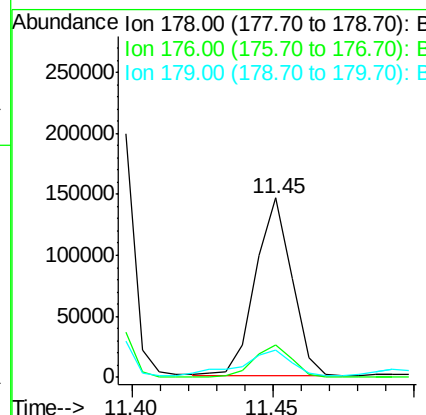
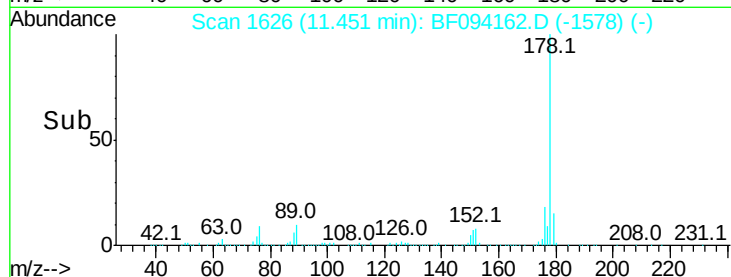
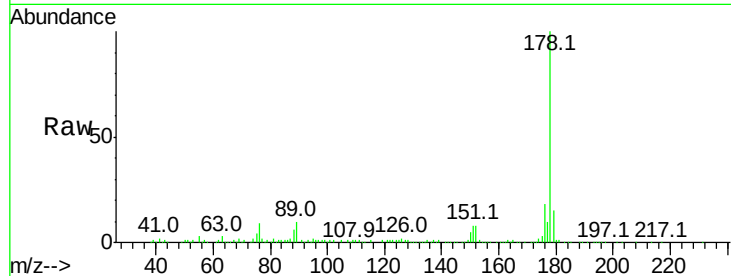
#71
 Anthracene
 Concen: 6.38 ng
 RT: 11.45 min Scan# 1626
 Delta R.T. -0.02 min
 Lab File: BF094162.D
 Acq: 4 Apr 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.3	12.7	19.1

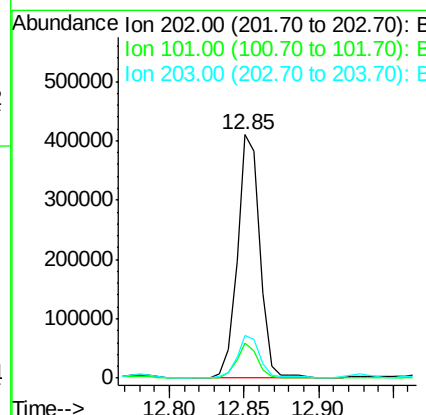
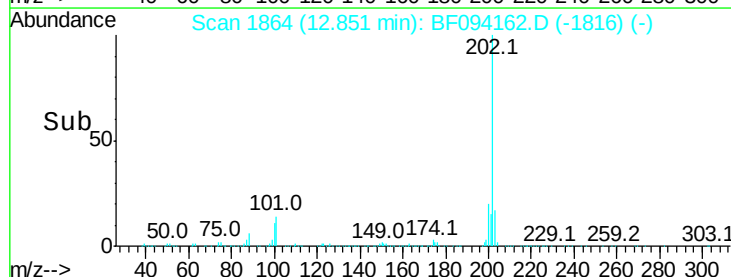
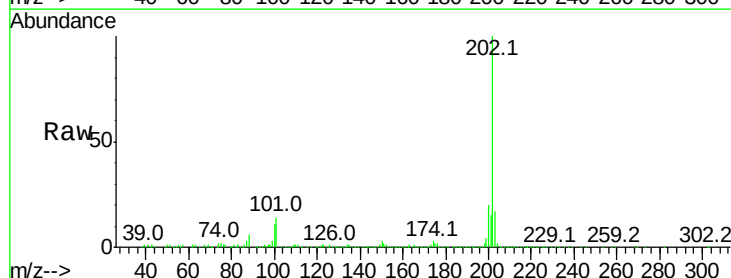
Manual Integrations
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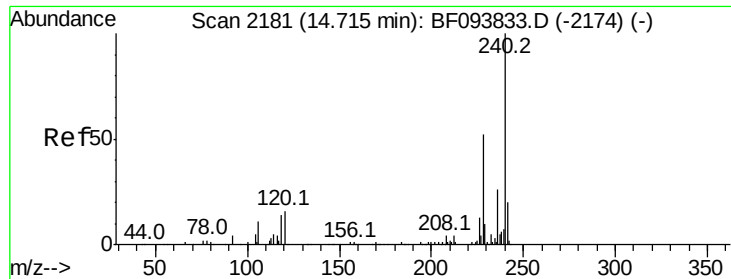
mohammad
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#74
 Fluoranthene
 Concen: 21.04 ng
 RT: 12.85 min Scan# 1864
 Delta R.T. -0.02 min
 Lab File: BF094162.D
 Acq: 4 Apr 2017 11:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Instrument :

BNA_F

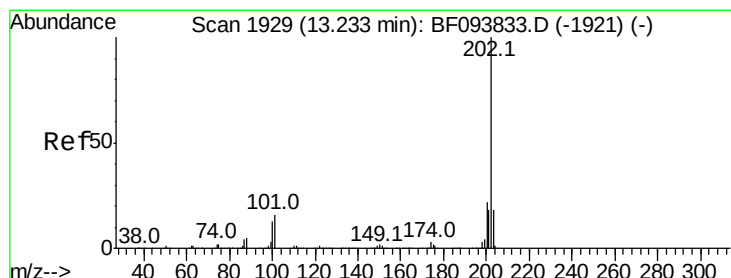
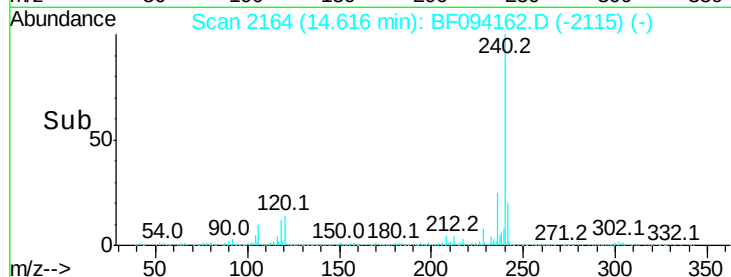
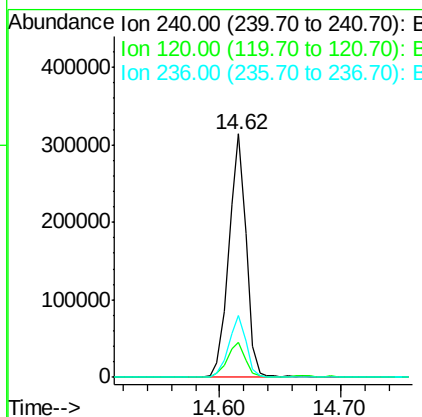
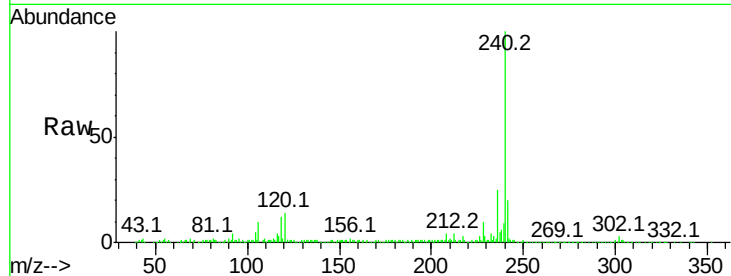
ClientSampleId :

E2-U4-ESW

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	25.4	20.5	30.7

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#77

Pyrene

Concen: 19.55 ng

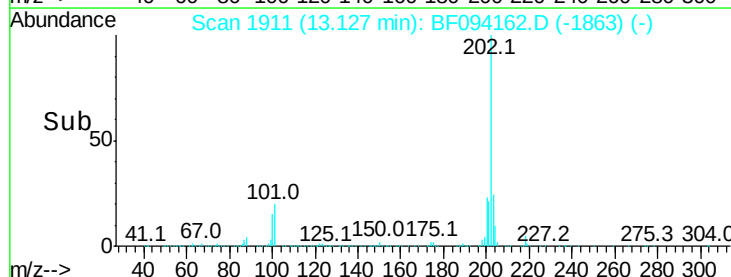
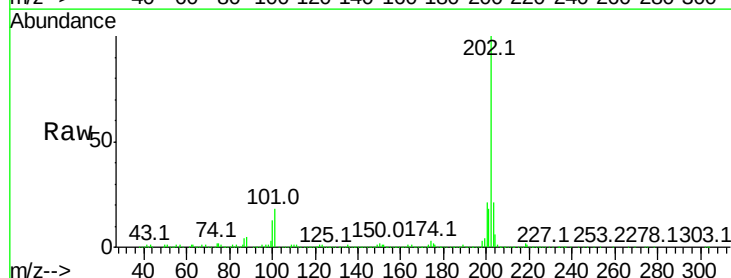
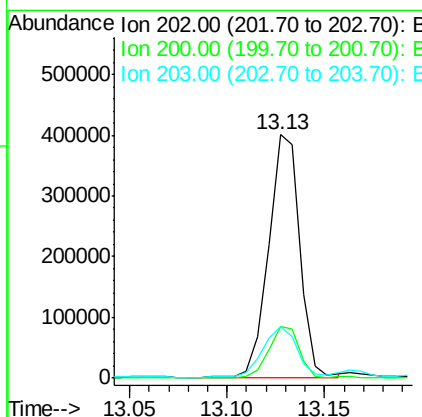
RT: 13.13 min Scan# 1911

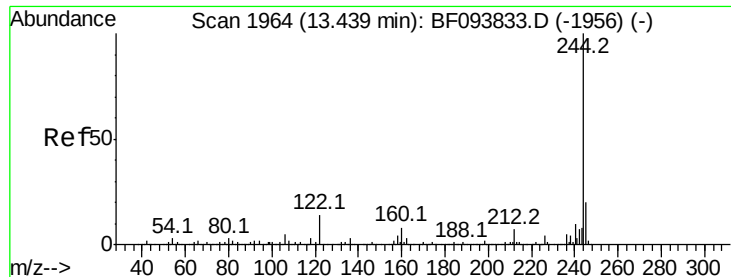
Delta R.T. -0.02 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	21.1	14.4	21.6





#78

Terphenyl-d14

Concen: 9.96 ng

RT: 13.33 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Instrument :

BNA_F

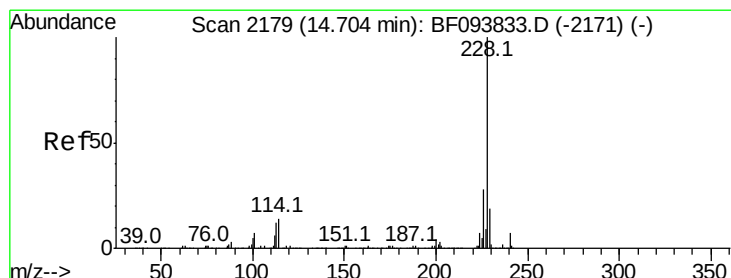
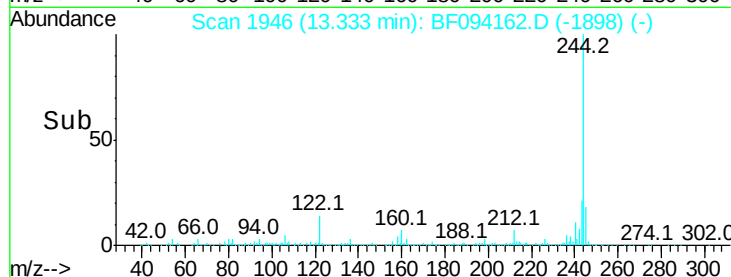
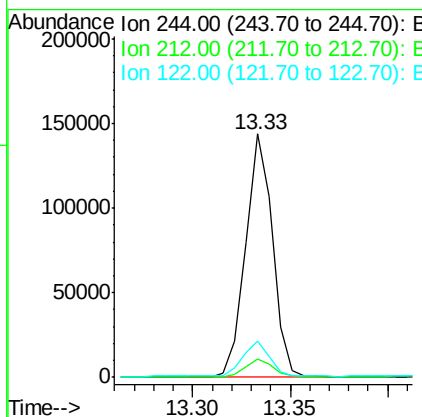
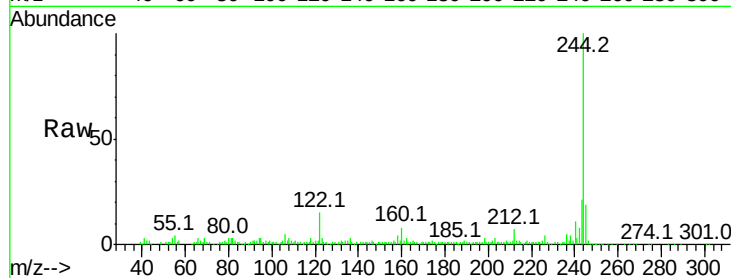
ClientSampleId :

E2-U4-ESW

Tot Ion:244	Resp:	137789
Ion Ratio	Lower	Upper
244	100	
212	7.3	6.0 9.0
122	14.7	10.3 15.5

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#80

Benzo(a)anthracene

Concen: 9.11 ng

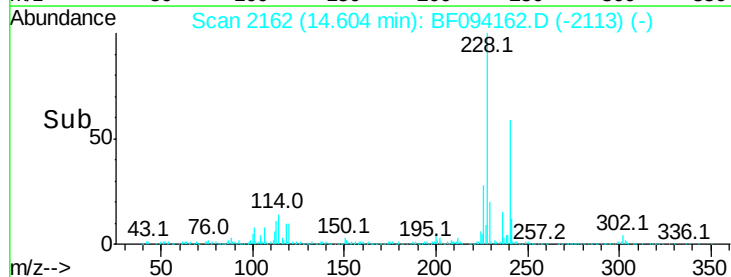
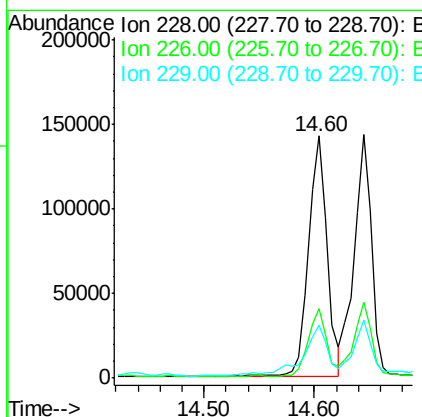
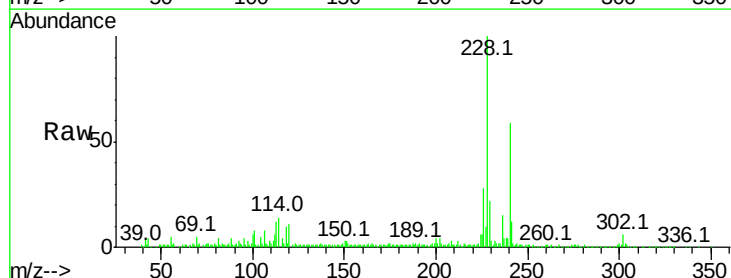
RT: 14.60 min Scan# 2162

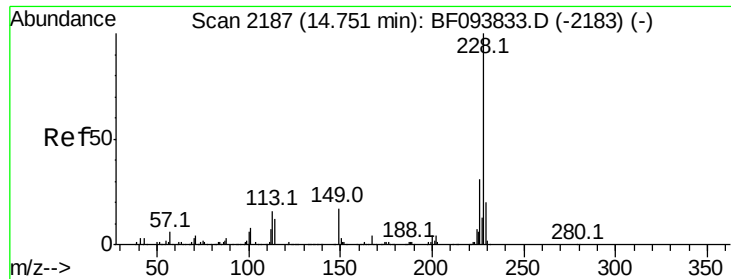
Delta R.T. -0.01 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Tgt Ion:228	Resp:	164735
Ion Ratio	Lower	Upper
228	100	
226	28.5	22.6 33.8
229	21.9	16.3 24.5





#82

Chrysene

Concen: 9.58 ng/mL

RT: 14.64 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Instrument :

BNA_F

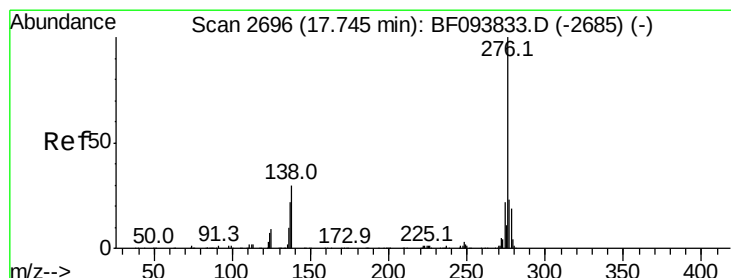
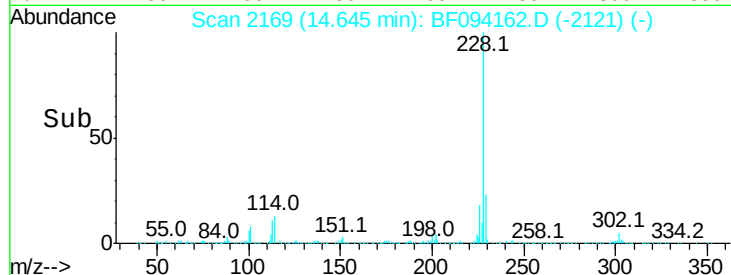
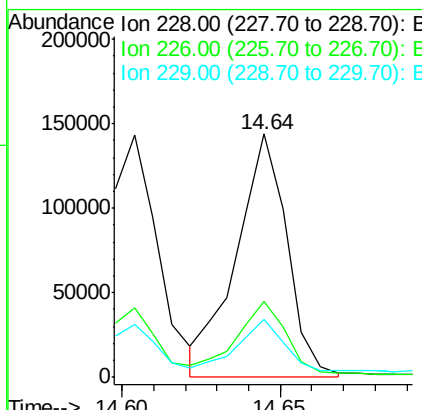
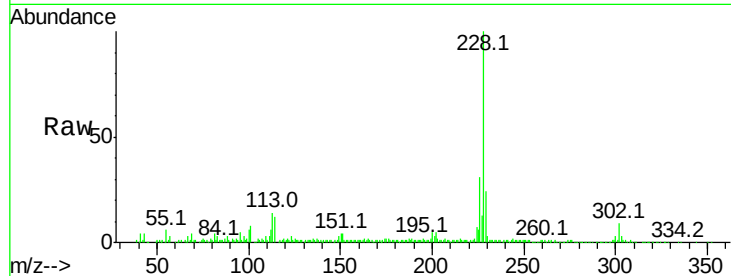
ClientSampleId :

E2-U4-ESW

Tot Ion:	228	Resp:	160781
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	23.8	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.86 ng/mL

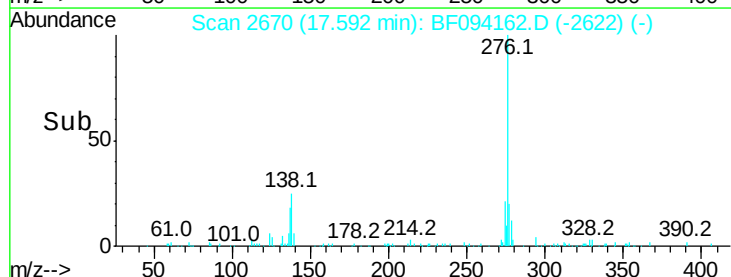
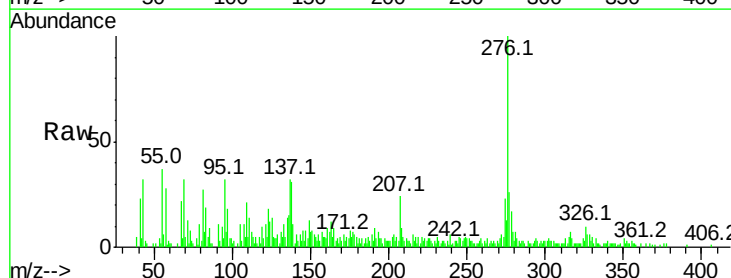
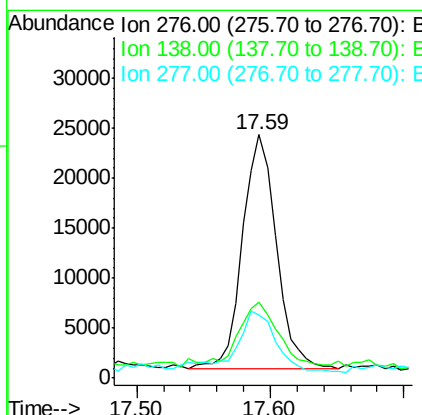
RT: 17.59 min Scan# 2670

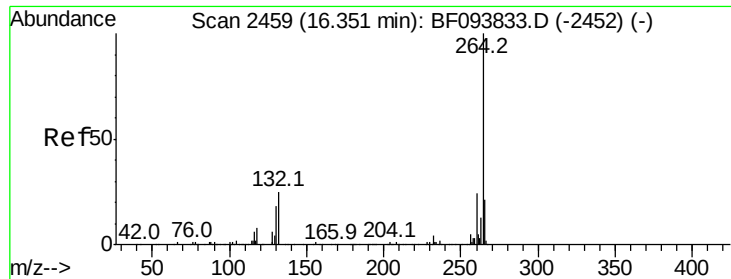
Delta R.T. -0.02 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Tgt Ion:	276	Resp:	41512
Ion Ratio	Lower	Upper	
276	100		
138	32.8	27.8	41.6
277	31.3	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.25 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Instrument :

BNA_F

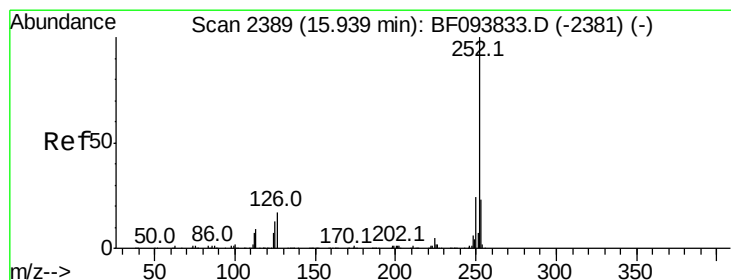
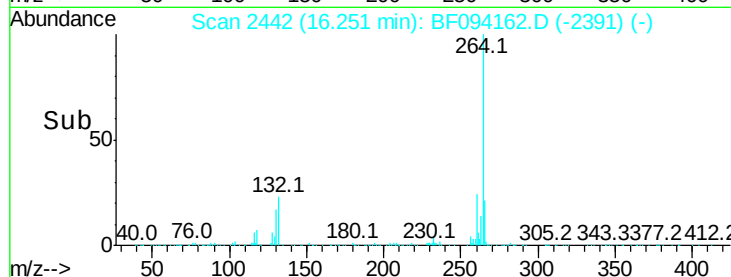
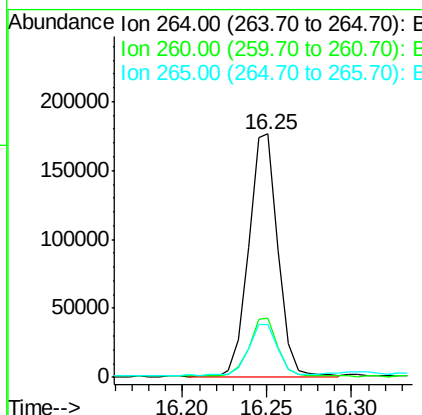
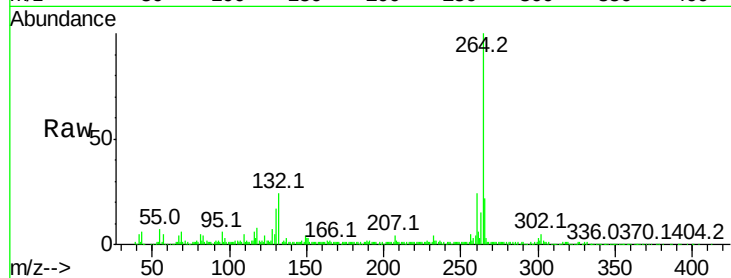
ClientSampleId :

E2-U4-ESW

Tot Ion:	264	Resp:	212066
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	21.7	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 8.98 ng m

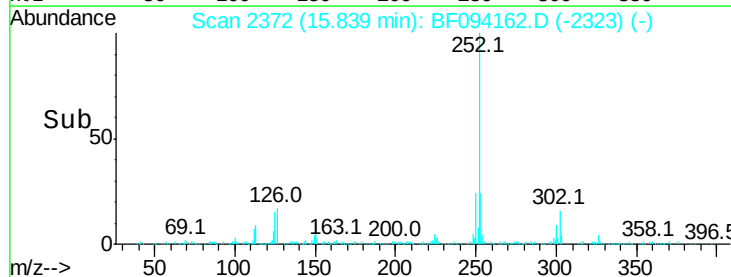
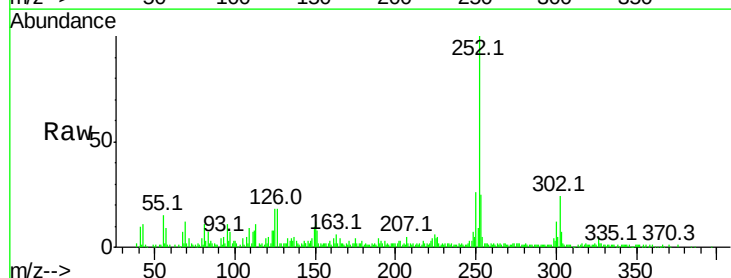
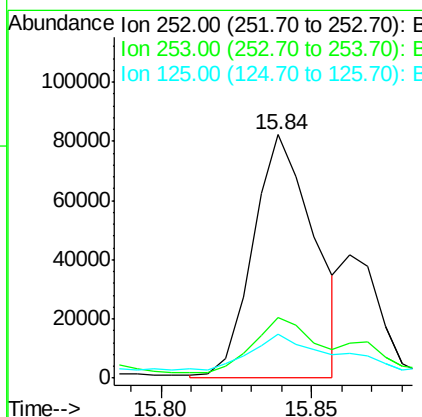
RT: 15.84 min Scan# 2372

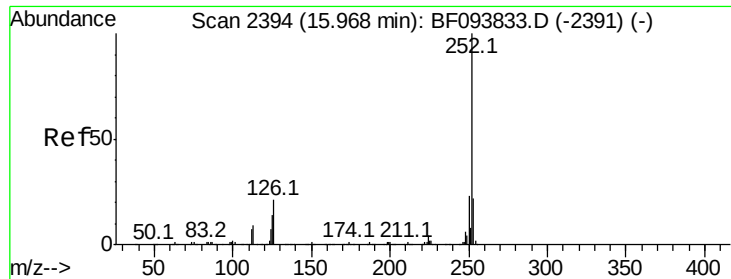
Delta R.T. -0.01 min

Lab File: BF094162.D

Acq: 4 Apr 2017 11:44

Tgt Ion:	252	Resp:	116791
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.1	27.1
125	17.8	9.8	14.8#





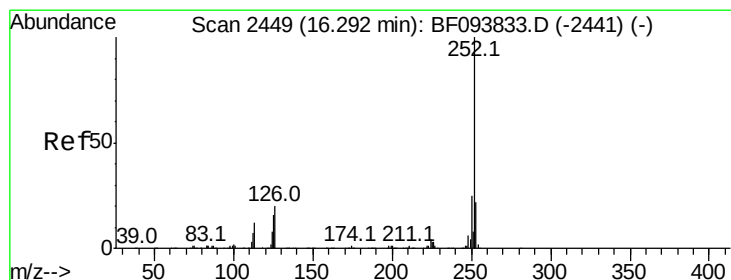
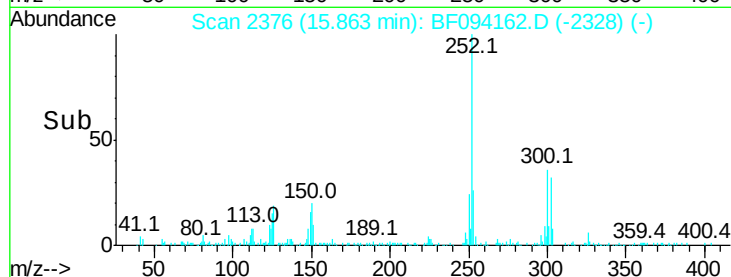
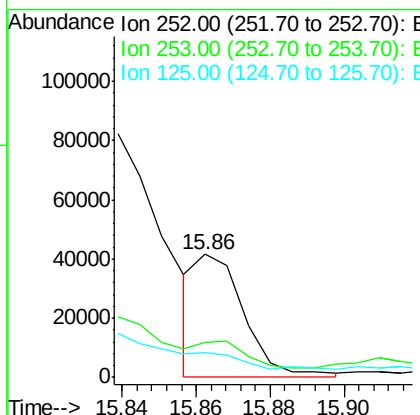
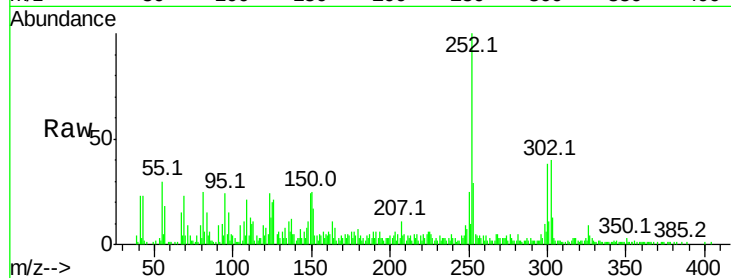
#88
Benzo(k)fluoranthene
Concen: 2.97 ng/ml
RT: 15.86 min Scan# 2376
Delta R.T. -0.02 min
Lab File: BF094162.D
Acq: 4 Apr 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-U4-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.4	27.6#
125	20.0	13.1	19.7#

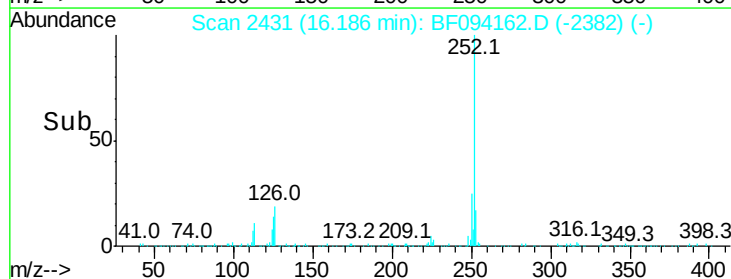
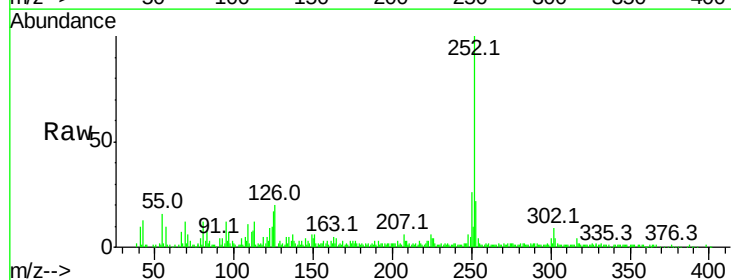
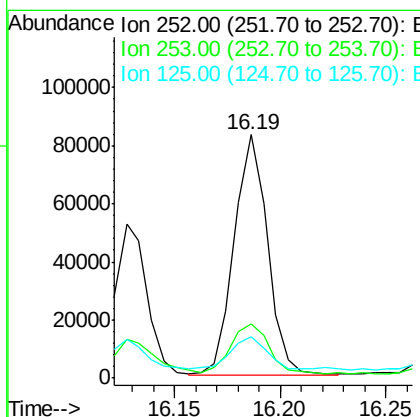
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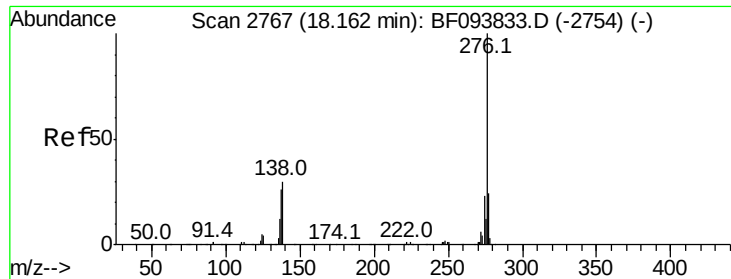
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#89
Benzo(a)pyrene
Concen: 7.52 ng/ml
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094162.D
Acq: 4 Apr 2017 11:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	17.1	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 4.23 ng
 RT: 17.99 min Scan# 2737
 Delta R.T. -0.02 min
 Lab File: BF094162.D
 Acq: 4 Apr 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-ESW

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	33.8	25.4	38.0

Manual Integrations
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