

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
 Data File : BF096470.D
 Acq On : 4 Jul 2017 5:58
 Operator : SJ/MA
 Sample : I3998-02 25X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-ESW

Manual Integrations
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mohammad
 7/5/2017 11:42:25 AM

Quant Time: Jul 04 08:40:04 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	93873	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	341722	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	121961	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	205065	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	172667	20.00	ng	-0.01
86) Perylene-d12	15.28	264	112133	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	35928	5.65	ng	-0.02
7) Phenol-d6	6.35	99	43097	5.51	ng	-0.02
23) Nitrobenzene-d5	7.27	82	18495	3.25	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	5648	5.93	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	38299	5.37	ng	-0.02
78) Terphenyl-d14	12.82	244	29701	3.68	ng	-0.02
Target Compounds						
31) Naphthalene	8.03	128	76589	4.748	ng	Qvalue 97
37) 2-Methylnaphthalene	8.72	142	20871	2.032	ng	92
51) Acenaphthene	9.79	154	49763	6.542	ng	96
54) Dibenzofuran	9.96	168	41590	4.141	ng	95
57) Fluorene	10.30	166	56355	7.946	ng	97
70) Phenanthrene	11.26	178	478755	43.188	ng	99
71) Anthracene	11.31	178	132977	11.772	ng	98
72) Carbazole	11.46	167	50341	4.431	ng	99
74) Fluoranthene	12.45	202	518428	47.700	ng	98
77) Pyrene	12.67	202	467500	33.731	ng	99
80) Benzo(a)anthracene	13.86	228	173801	17.382	ng	99
82) Chrysene	13.89	228	161193	15.394	ng	96
85) Indeno(1,2,3-cd)pyrene	16.64	276	42275	5.115	ng	97
87) Benzo(b)fluoranthene	14.88	252	131679m	18.741	ng	
88) Benzo(k)fluoranthene	14.90	252	34458m	5.483	ng	
89) Benzo(a)pyrene	15.22	252	91625	14.606	ng	98
91) Benzo(g,h,i)perylene	17.04	276	40304	7.882	ng	93

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

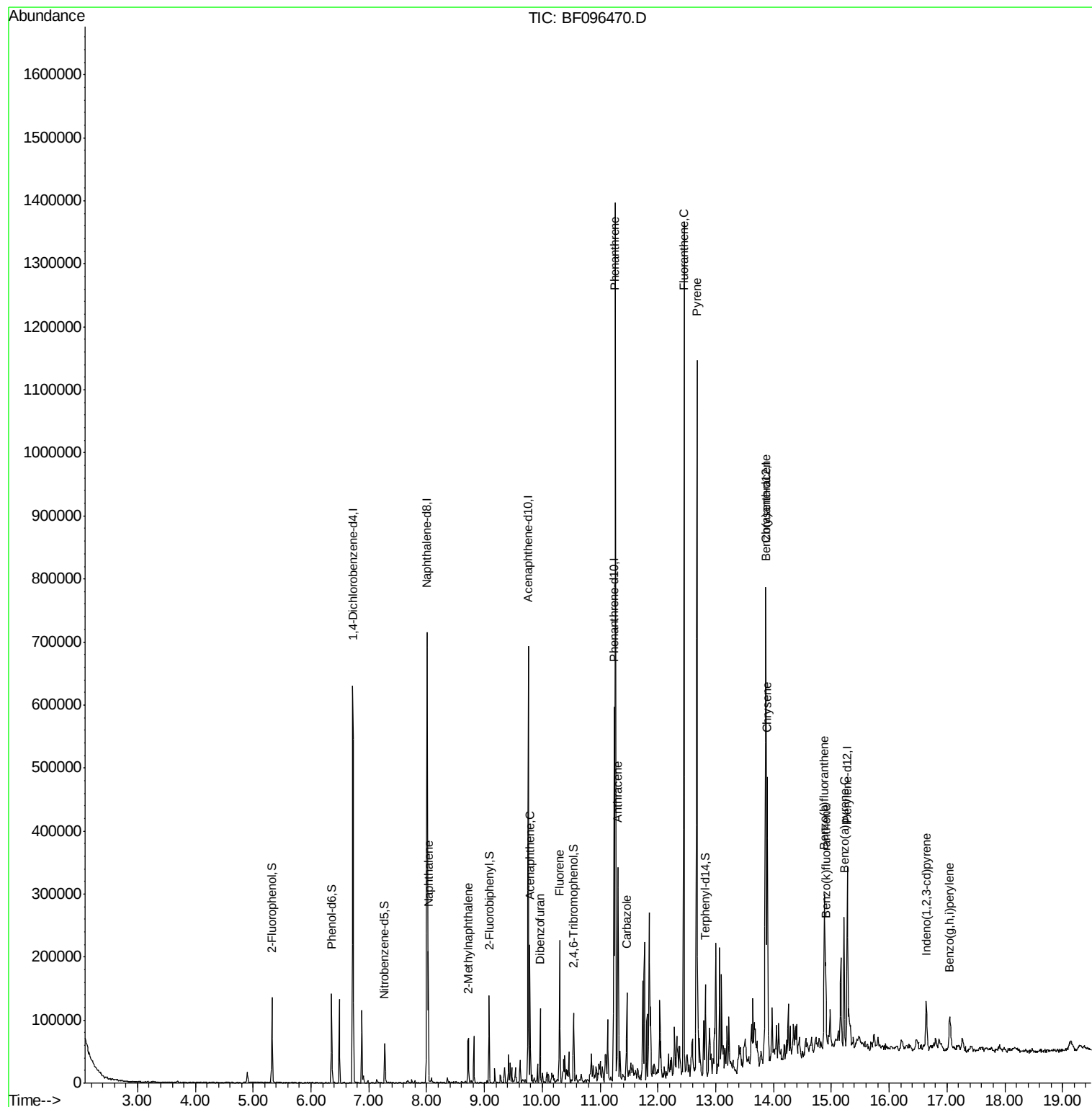
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
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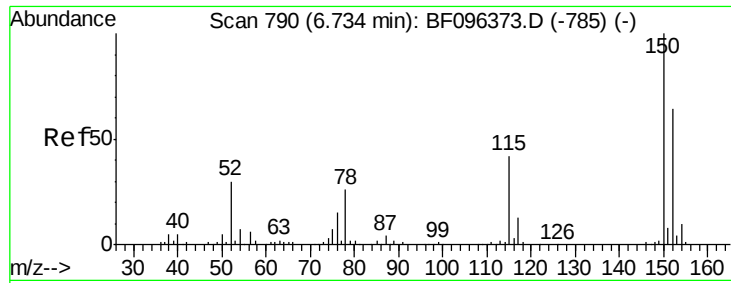
Instrument :
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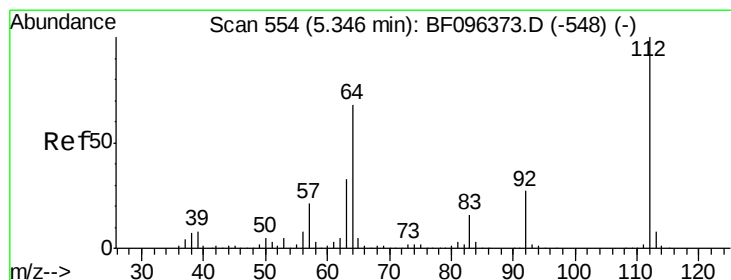
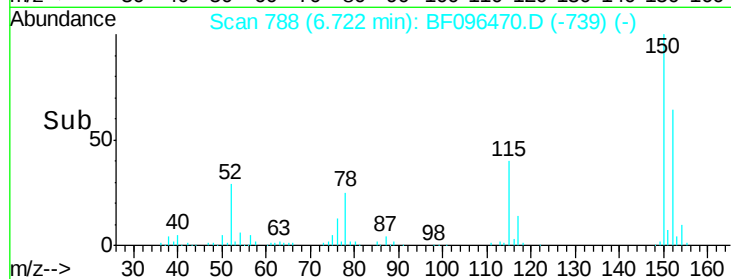
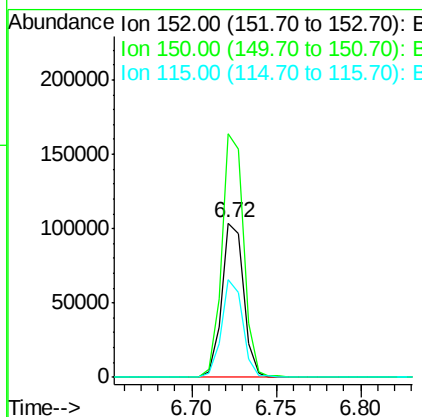
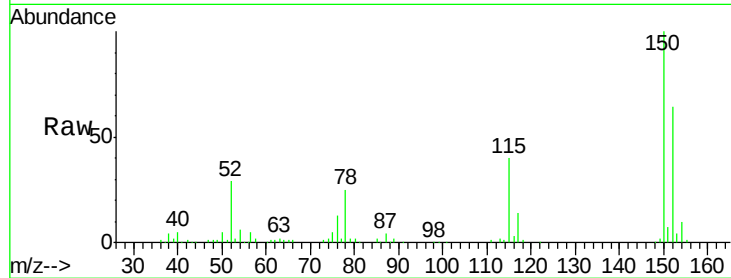
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-ESW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	63.5	52.2	78.2

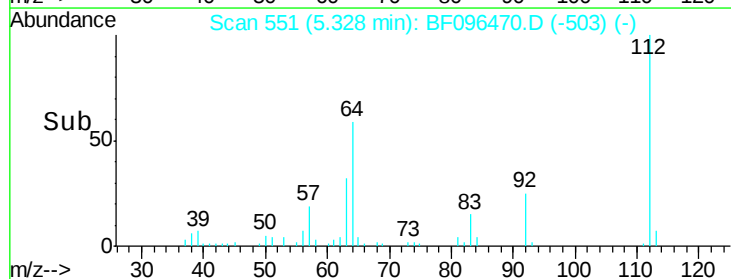
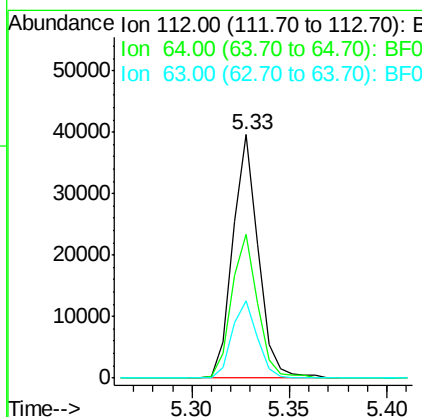
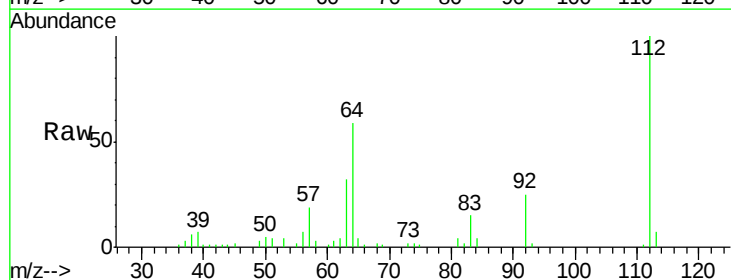
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#5
 2-Fluorophenol
 Concen: 5.649 ng
 RT: 5.33 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	31.5	23.4	35.0





#7

Phenol-d6

Concen: 5.512 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Instrument :

BNA_F

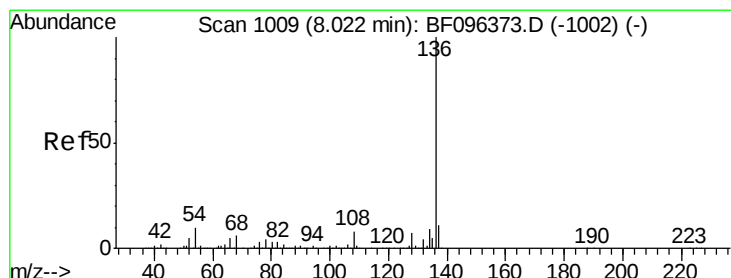
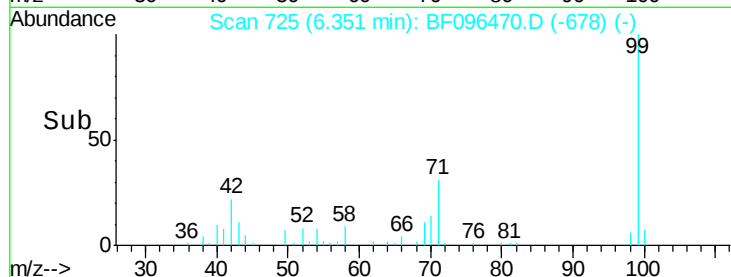
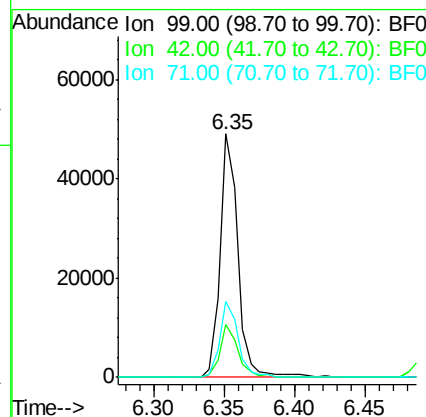
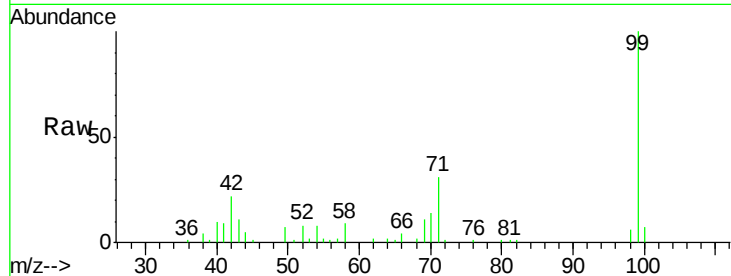
ClientSampleId :

E2-Q5-ESW

Tgt Ion:	99	Resp:	43097
Ion Ratio	Lower	Upper	
99	100		
42	21.8	13.5	20.3#
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

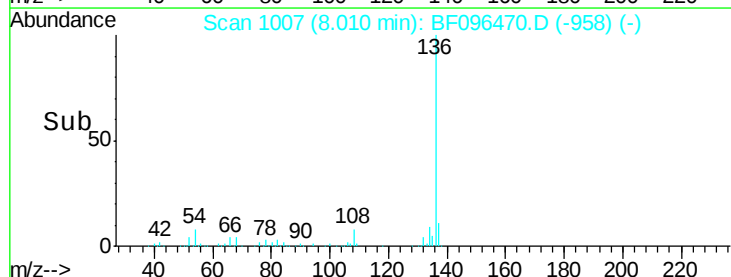
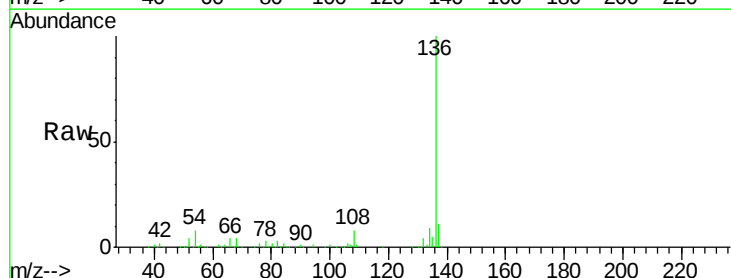
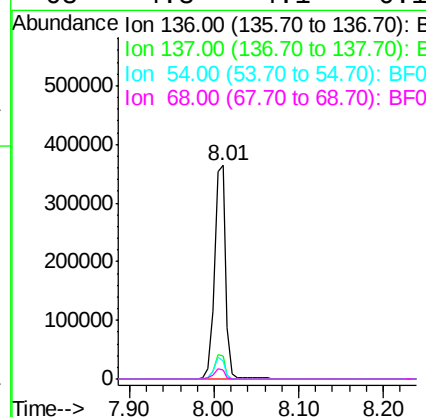
RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Tgt Ion:	136	Resp:	341722
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	8.4	4.9	7.3#
68	4.3	4.1	6.1





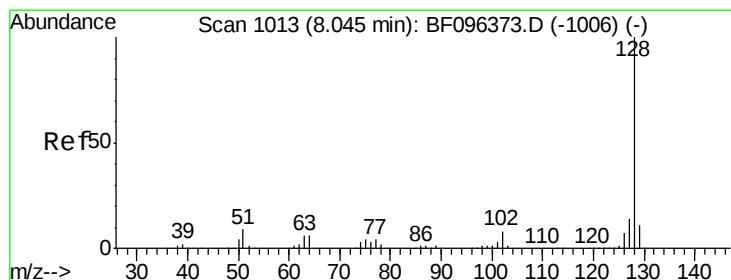
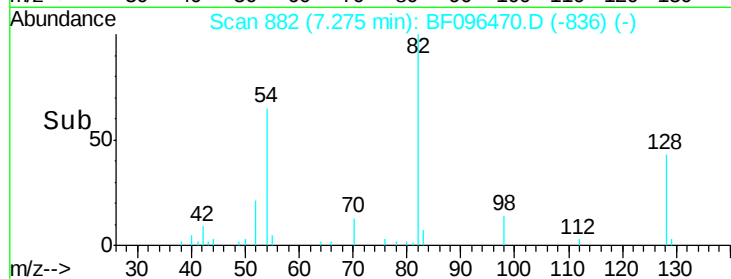
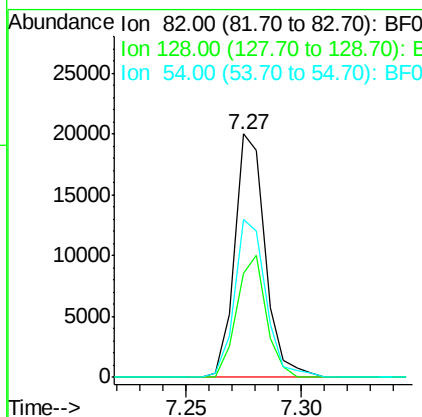
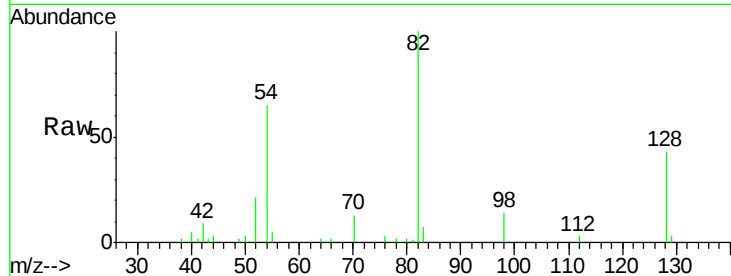
#23
Nitrobenzene-d5
Concen: 3.252 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Instrument :
BNA_F
ClientSampleId :
E2-Q5-ESW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.0	51.0
54	64.8	42.2	63.2

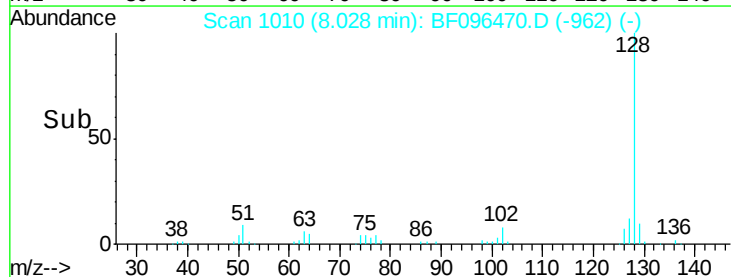
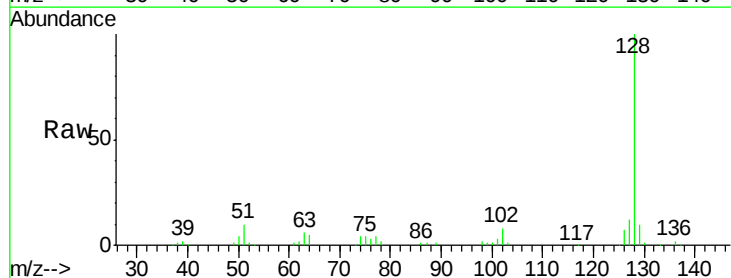
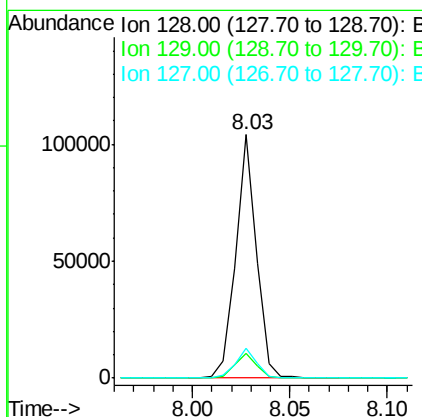
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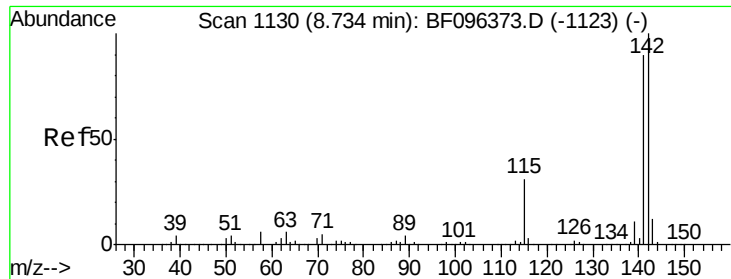
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#31
Naphthalene
Concen: 4.748 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096470.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.6
127	12.5	10.8	16.2





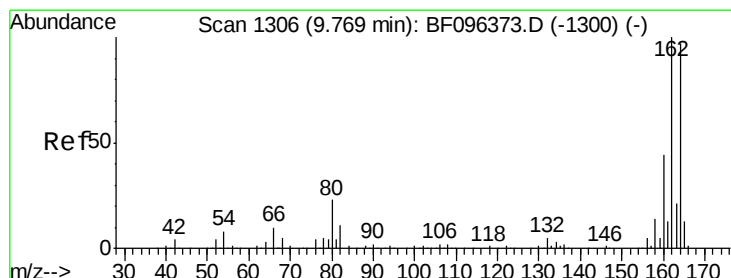
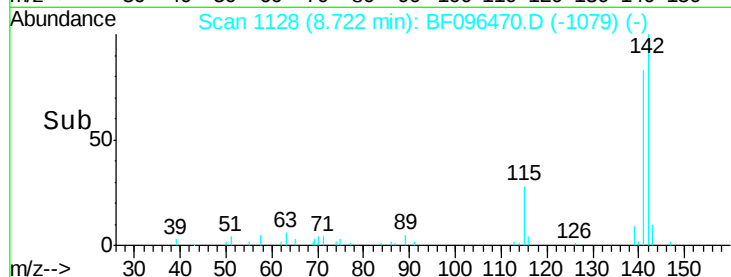
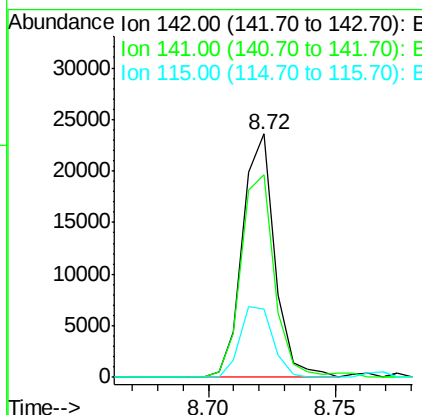
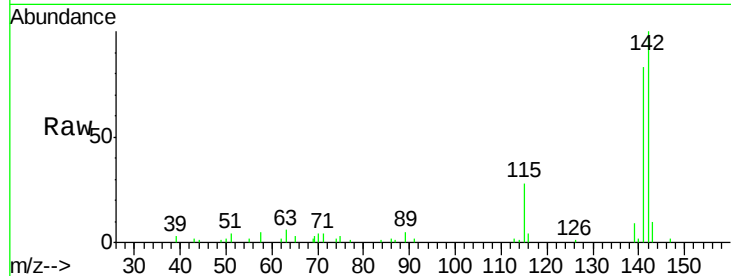
#37
2-Methylnaphthalene
Concen: 2.032 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Instrument :
BNA_F
ClientSampleId :
E2-Q5-ESW

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.0	71.3	106.9
115	28.1	27.1	40.7

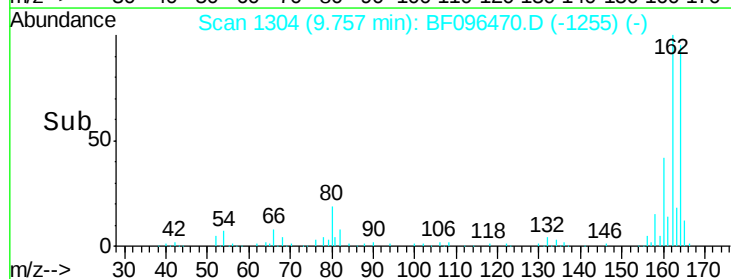
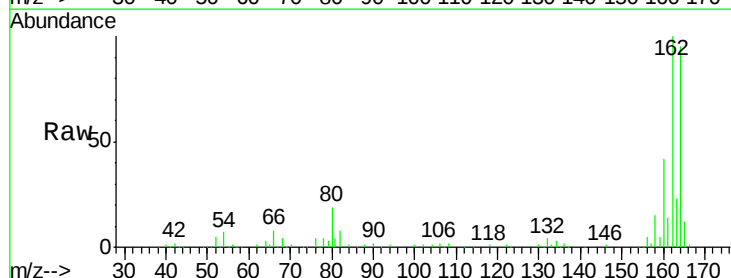
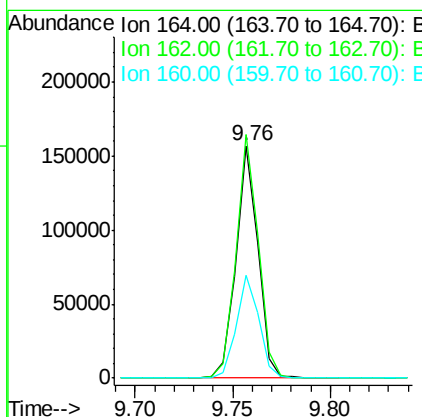
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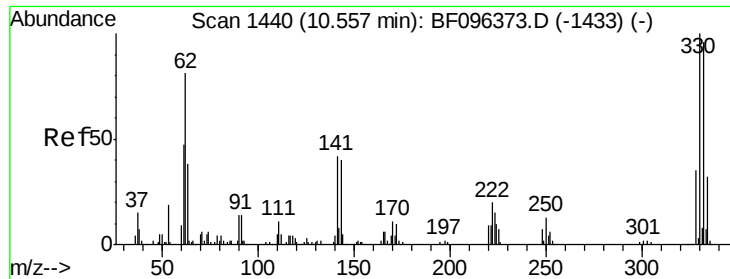
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	44.2	36.2	54.2





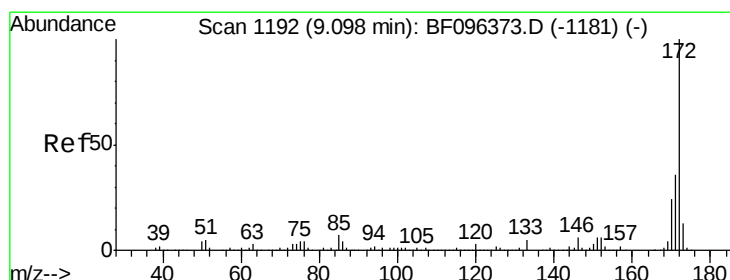
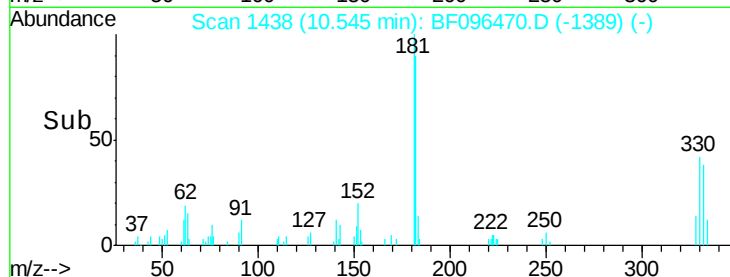
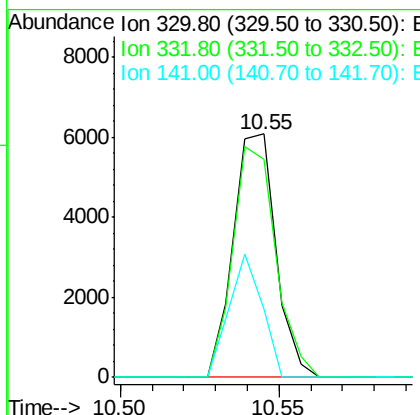
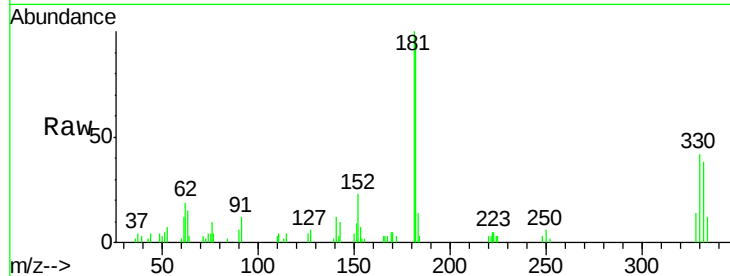
#41
 2,4,6-Tribromophenol
 Concen: 5.929 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	5648		
332	95.8	76.6	115.0	
141	39.0	31.4	47.2	

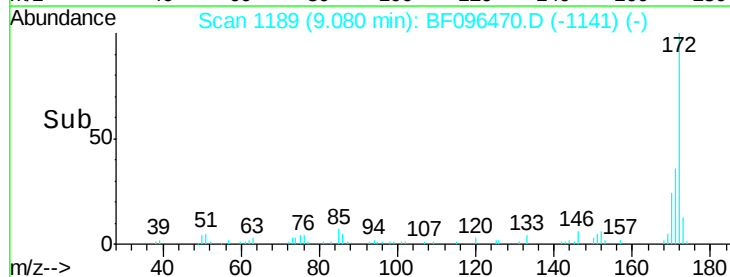
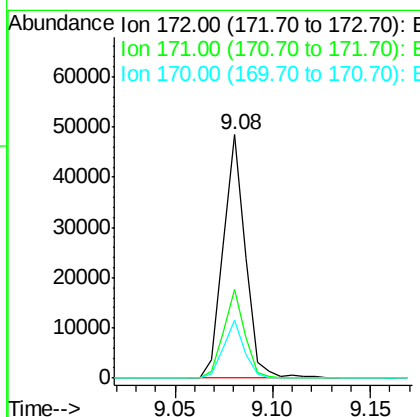
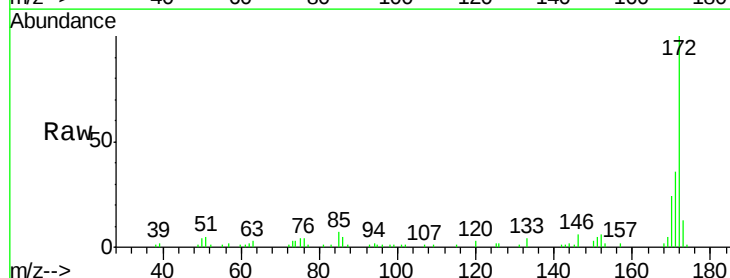
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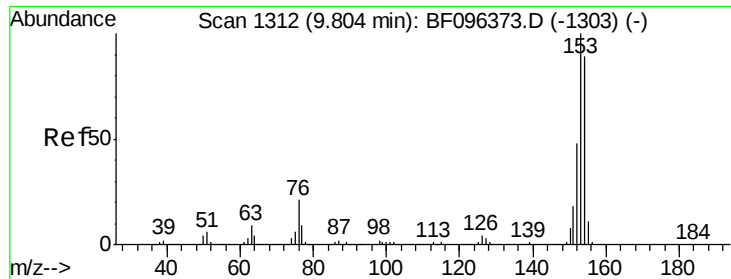
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#44
 2-Fluorobiphenyl
 Concen: 5.369 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	38299		
171	36.3	29.6	44.4	
170	24.0	19.8	29.8	





#51

Acenaphthene

Concen: 6.542 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Instrument :

BNA_F

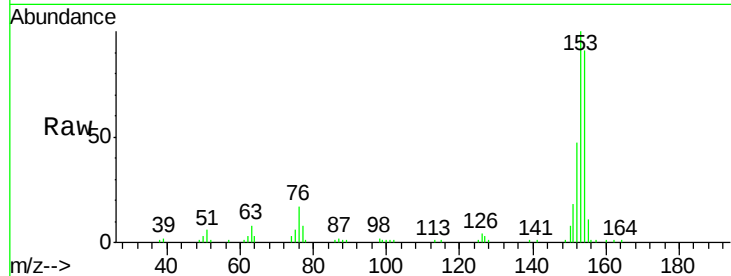
ClientSampleId :

E2-Q5-ESW

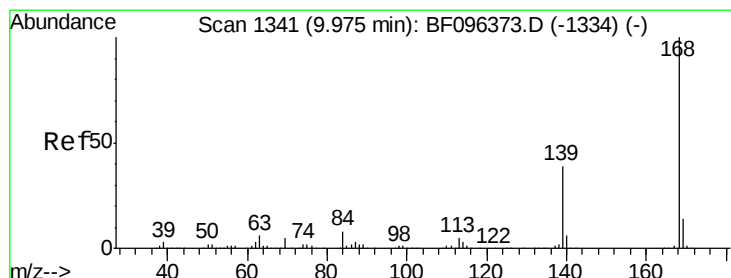
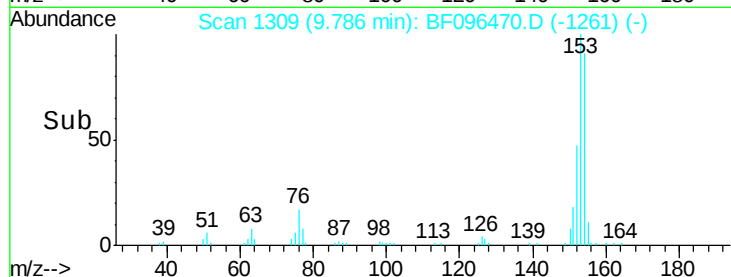
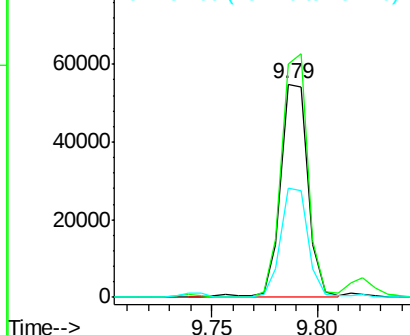
Tgt Ion:	154	Resp:	49763
Ion Ratio	Lower	Upper	
154	100		
153	109.4	90.5	135.7
152	51.3	43.6	65.4

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



#54

Dibenzofuran

Concen: 4.141 ng

RT: 9.96 min Scan# 1339

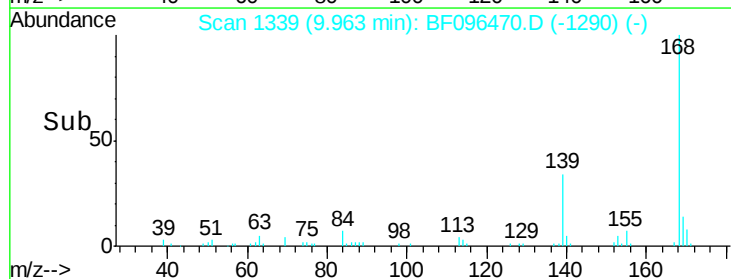
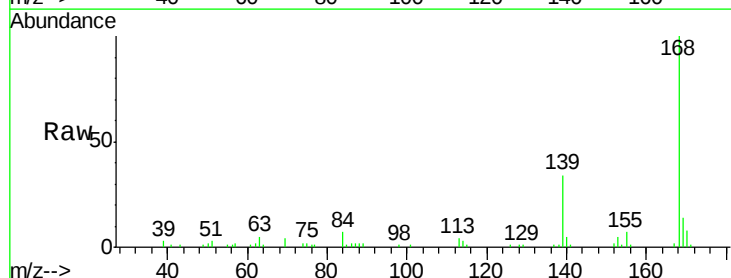
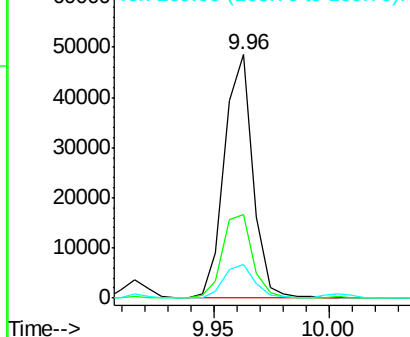
Delta R.T. -0.01 min

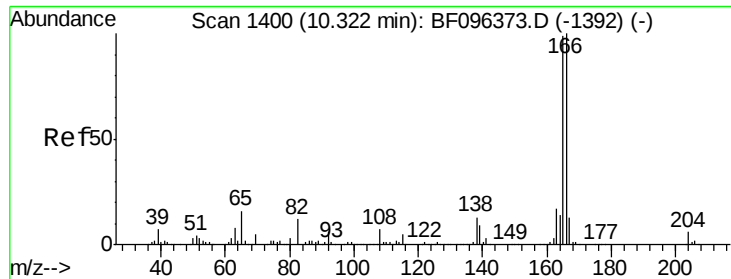
Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Tgt Ion:	168	Resp:	41590
Ion Ratio	Lower	Upper	
168	100		
139	34.3	30.6	45.8
169	13.7	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





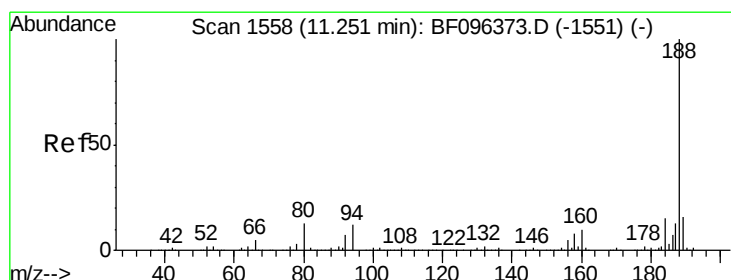
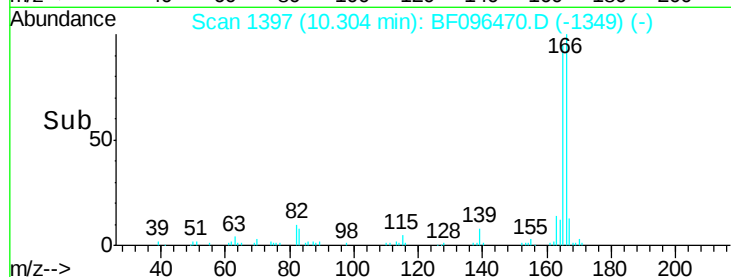
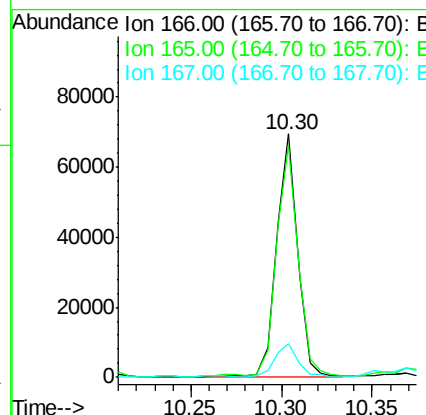
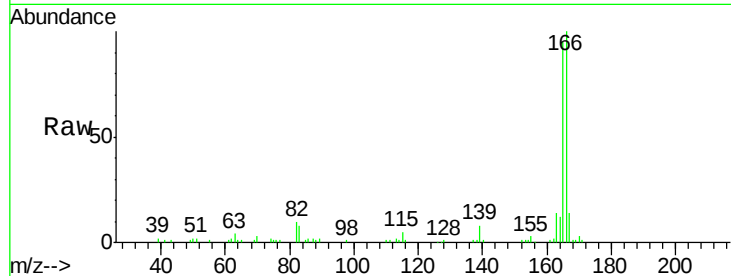
#57
Fluorene
 Concen: 7.946 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.02 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	56355		
165	95.3		78.8	118.2
167	13.8		10.6	16.0

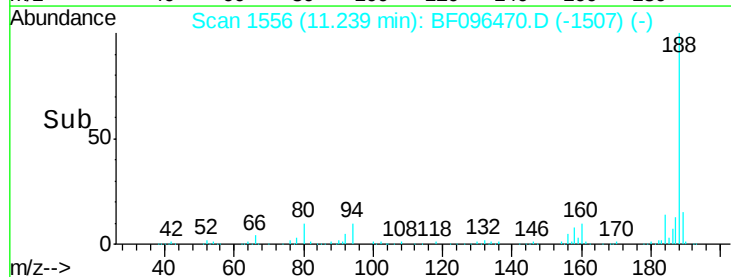
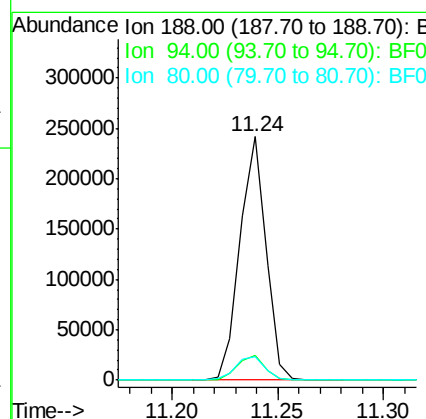
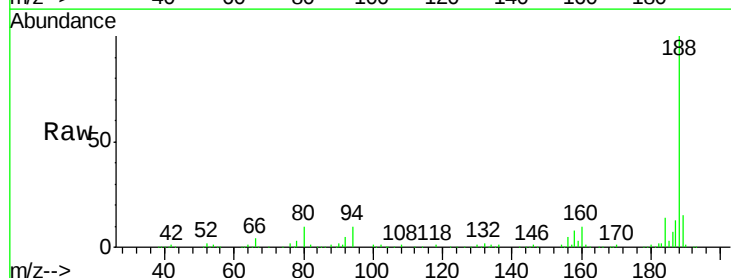
Manual Integrations
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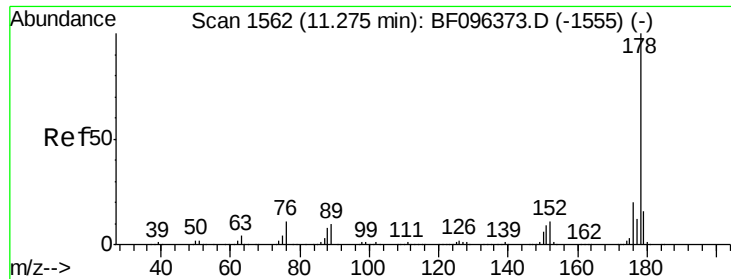
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 7/5/2017 11:42:25 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	205065		
94	9.9		9.4	14.2
80	9.6		10.2	15.2#





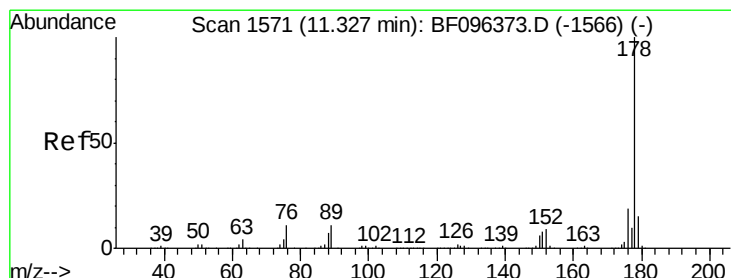
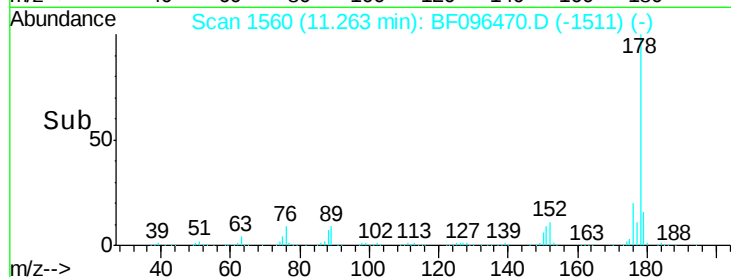
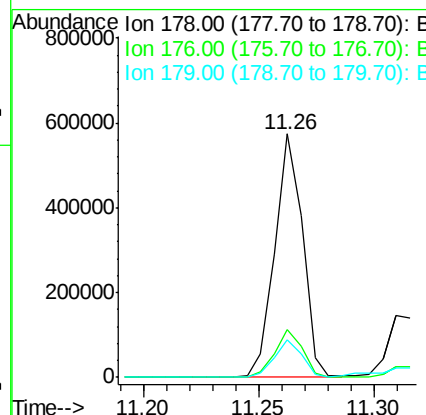
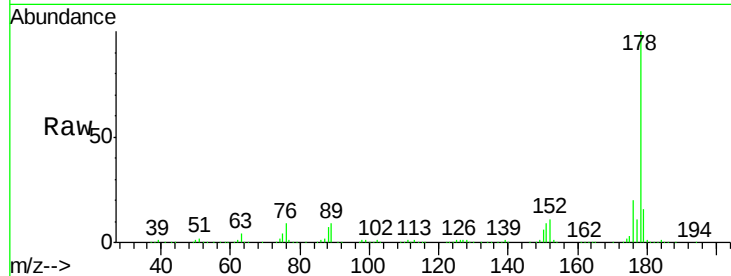
#70
Phenanthrene
Concen: 43.188 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Instrument :
BNA_F
ClientSampleId :
E2-Q5-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	478755		
176	19.6	16.2	24.4	
179	15.6	12.6	19.0	

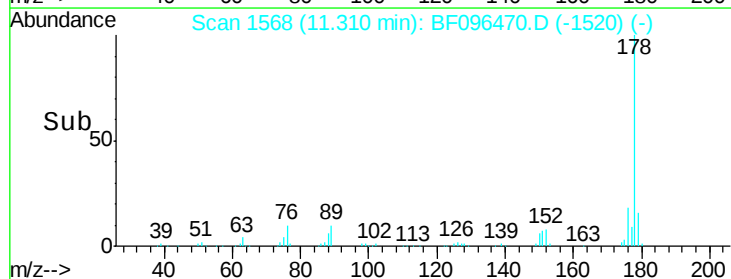
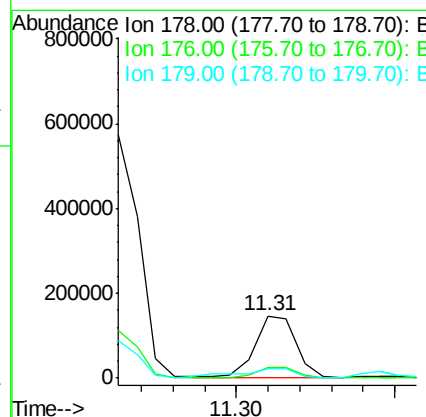
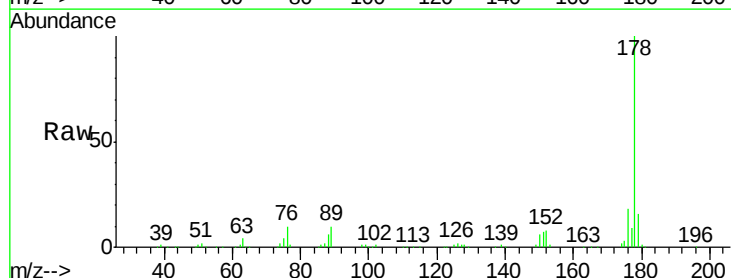
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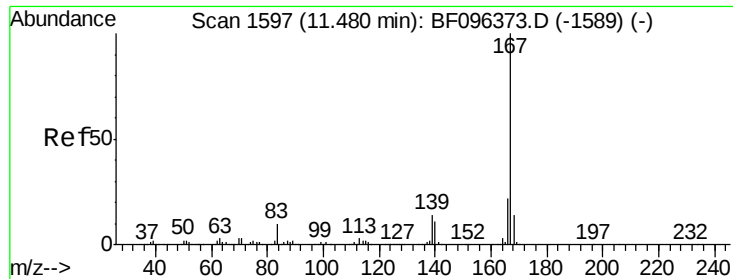
mohammad
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#71
Anthracene
Concen: 11.772 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	132977		
176	18.2	15.8	23.8	
179	15.7	12.7	19.1	





#72

Carbazole

Concen: 4.431 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.02 min

Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Instrument :

BNA_F

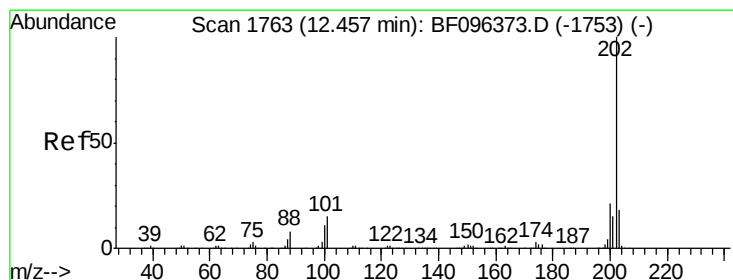
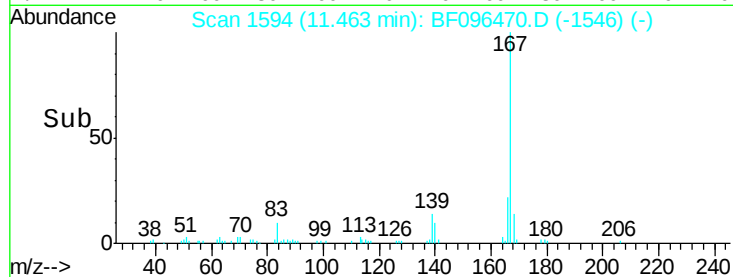
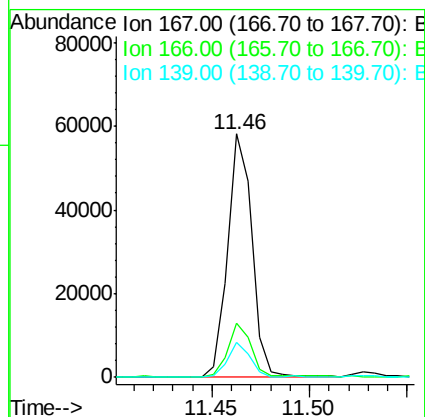
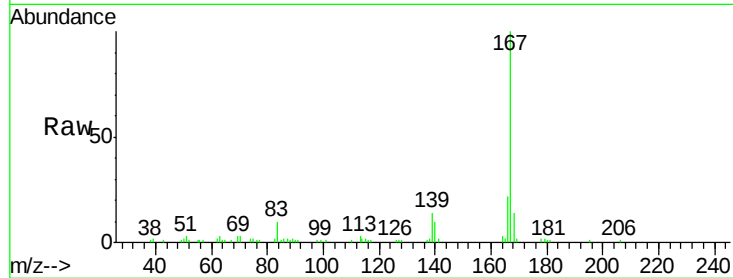
ClientSampleId :

E2-Q5-ESW

Tgt Ion:	167	Resp:	50341
Ion Ratio	Lower	Upper	
167	100		
166	22.2	18.1	27.1
139	14.4	11.7	17.5

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#74

Fluoranthene

Concen: 47.700 ng

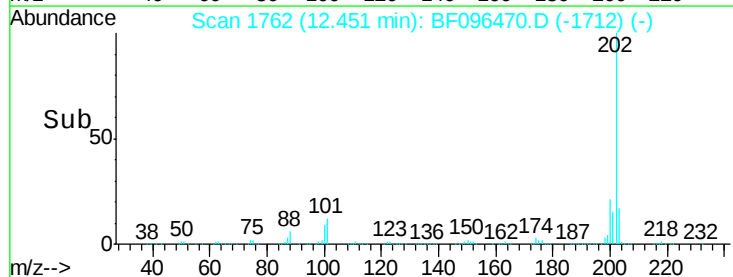
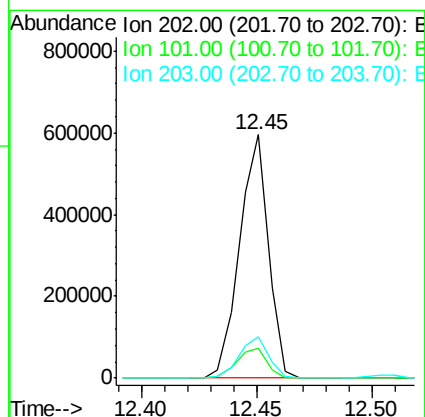
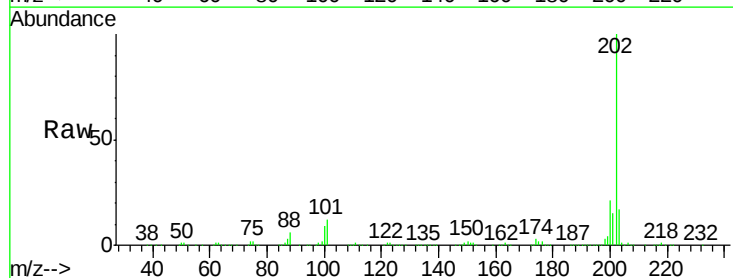
RT: 12.45 min Scan# 1762

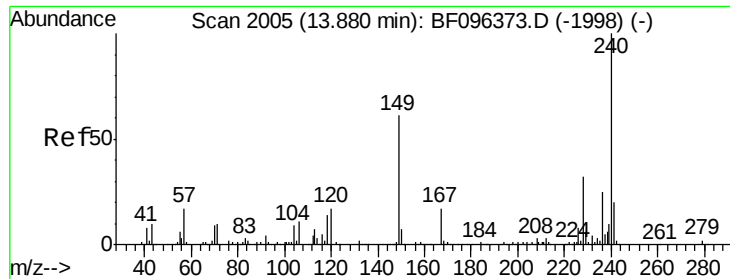
Delta R.T. -0.01 min

Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Tgt Ion:	202	Resp:	518428
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	33.2
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Instrument :

BNA_F

ClientSampleId :

E2-Q5-ESW

Tgt Ion:240 Resp: 172667
Ion Ratio Lower Upper

240 100

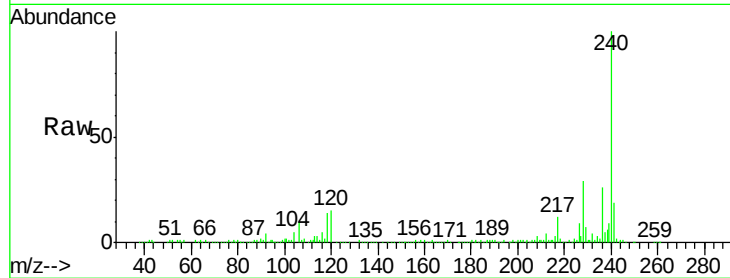
120 15.4 5.8 8.8#

236 25.9 20.5 30.7

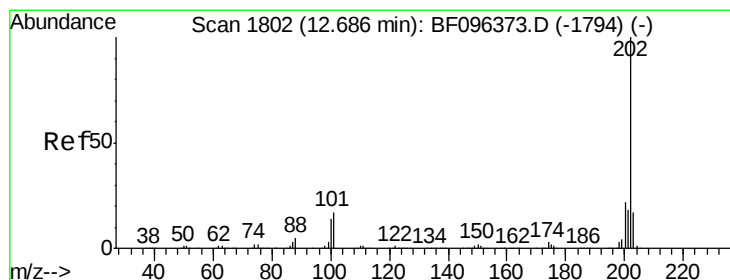
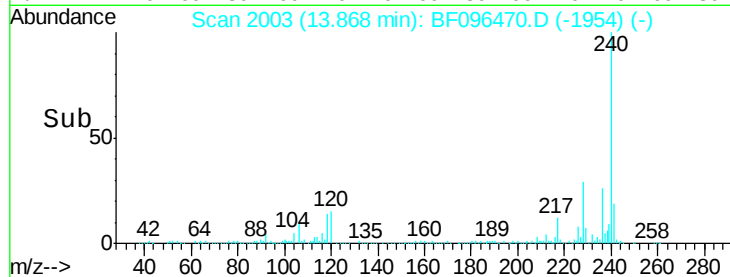
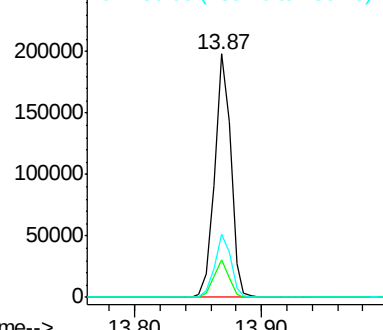
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 33.731 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096470.D

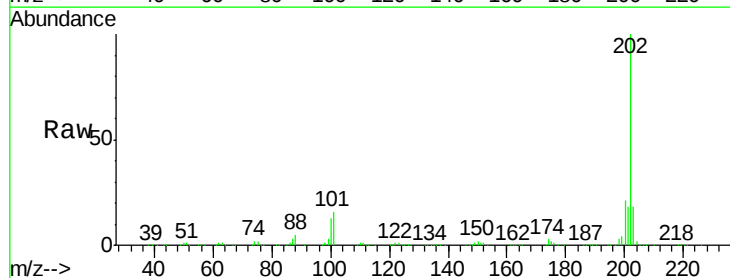
Acq: 4 Jul 2017 5:58

Tgt Ion:202 Resp: 467500
Ion Ratio Lower Upper

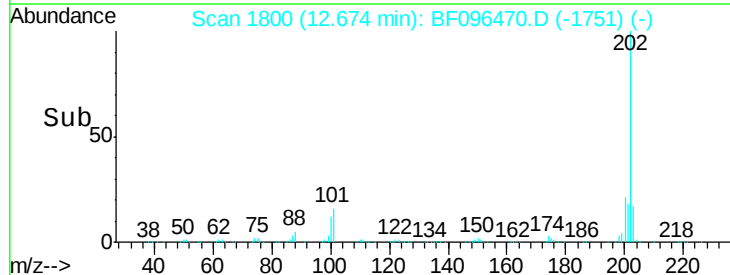
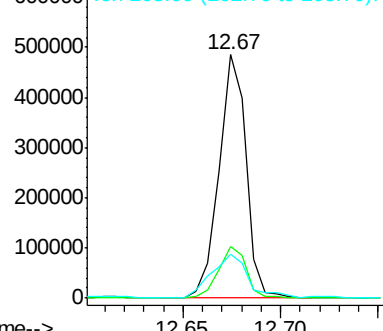
202 100

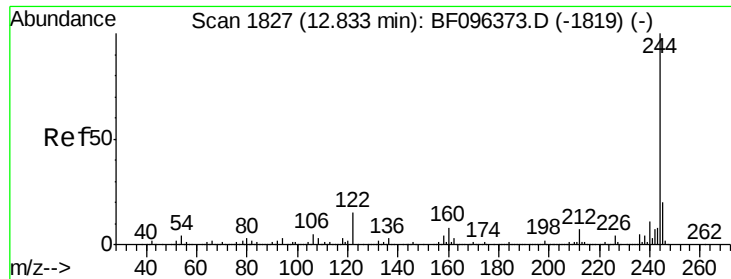
200 21.4 17.6 26.4

203 18.0 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





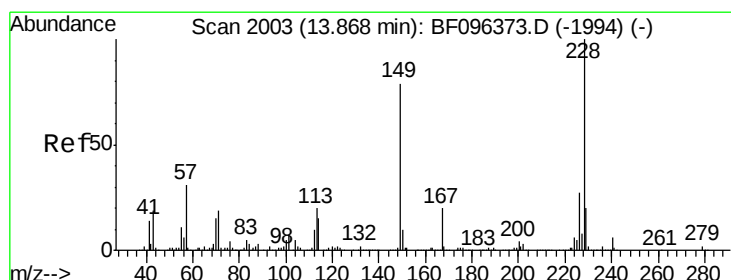
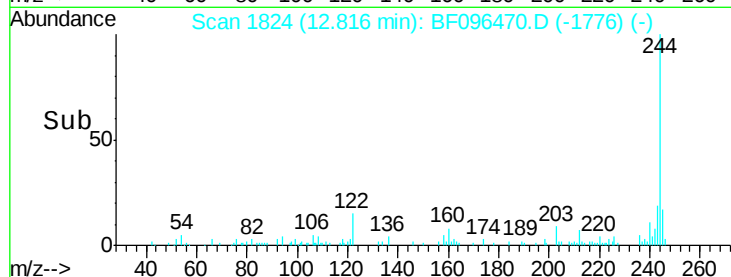
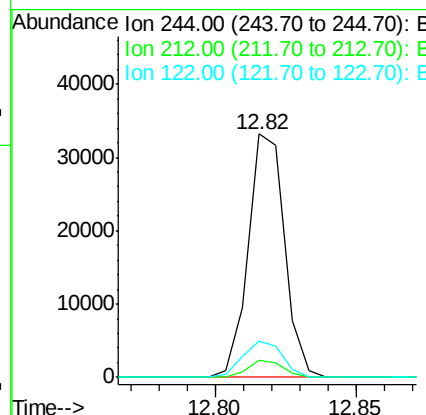
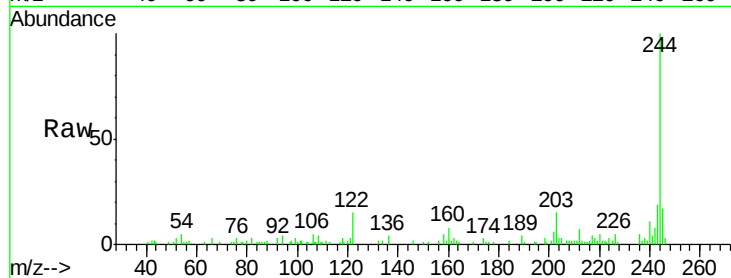
#78
 Terphenyl-d14
 Concen: 3.676 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-ESW

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.8	10.3	15.5

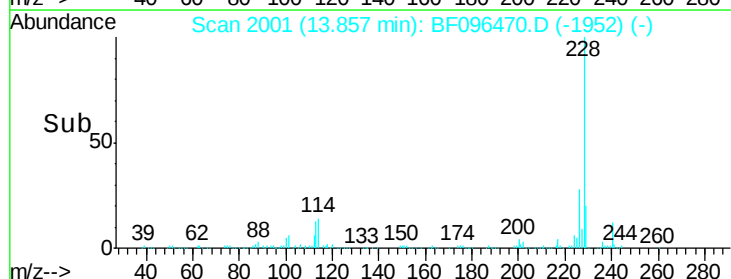
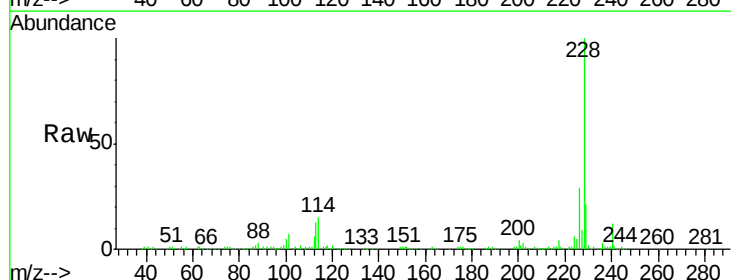
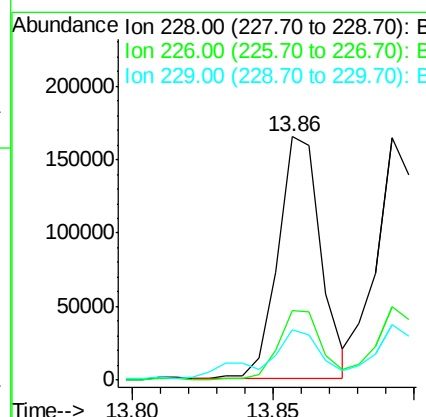
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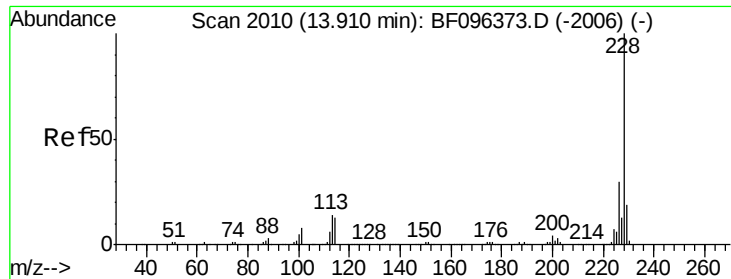
mohammad
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#80
 Benzo(a)anthracene
 Concen: 17.382 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.8	16.3	24.5





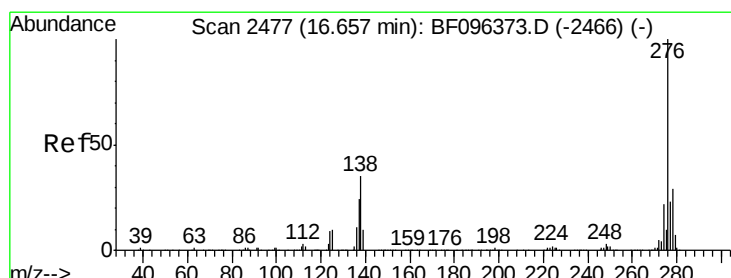
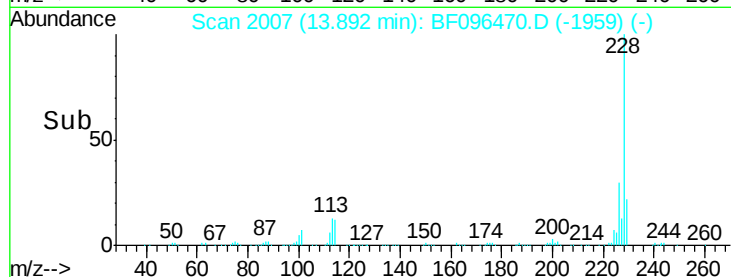
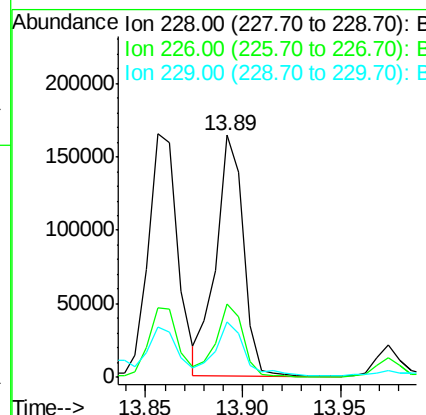
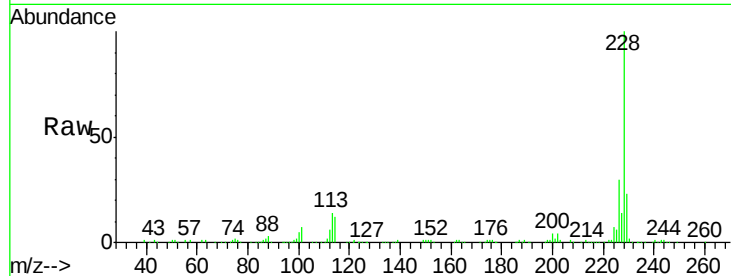
#82
Chrysene
Concen: 15.394 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Instrument :
BNA_F
ClientSampleId :
E2-Q5-ESW

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	22.9	15.8	23.6

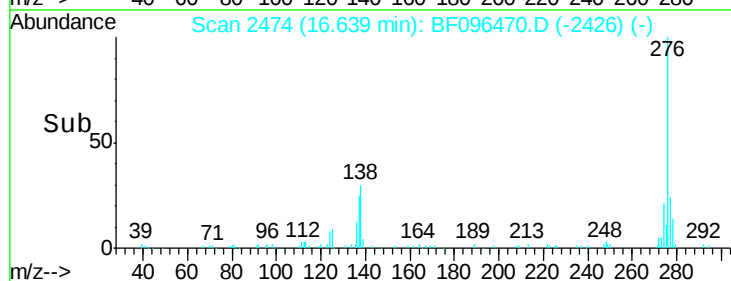
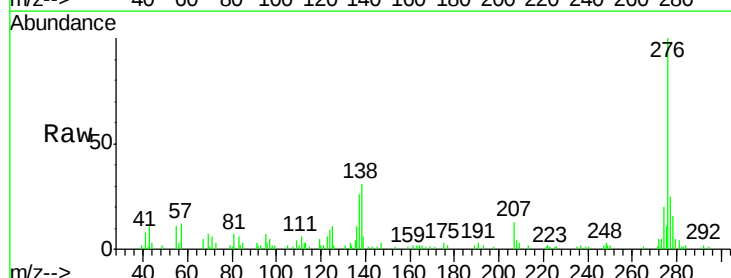
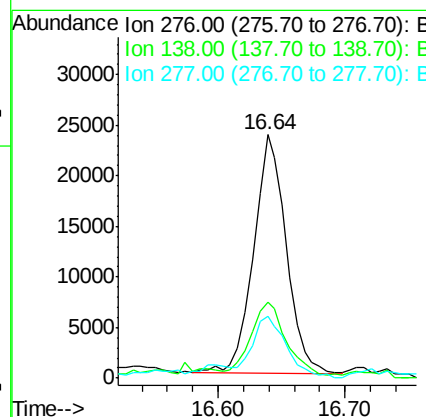
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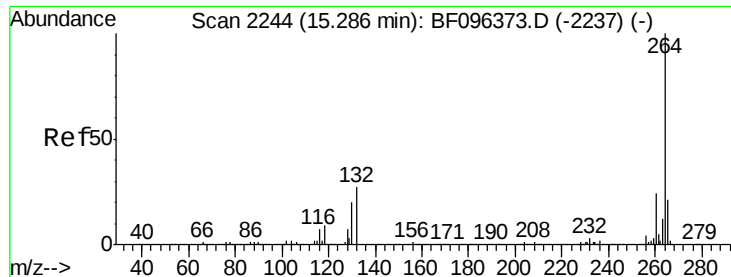
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.115 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.02 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.0	27.8	41.6
277	26.9	20.2	30.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Instrument :

BNA_F

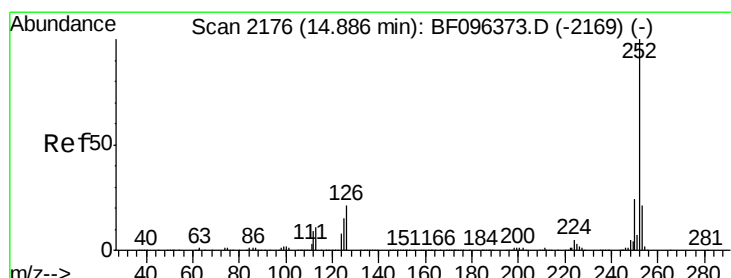
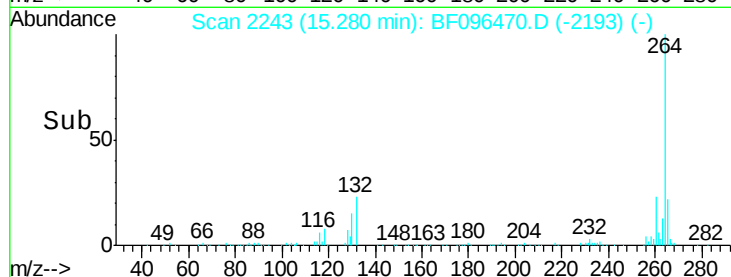
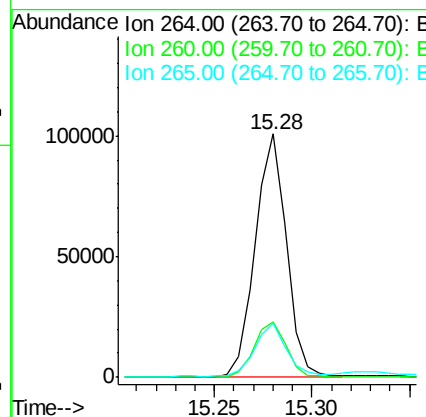
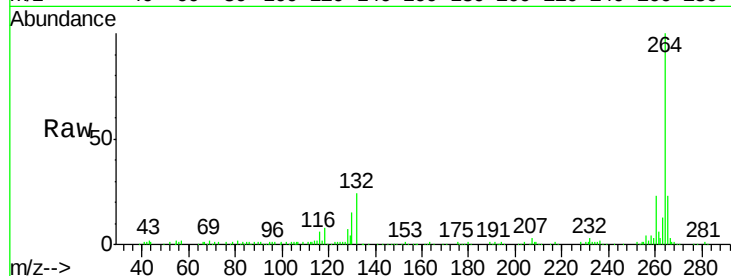
ClientSampleId :

E2-Q5-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	112133		
260	22.6	19.5	29.3	
265	22.5	17.2	25.8	

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#87

Benzo(b)fluoranthene

Concen: 18.741 ng m

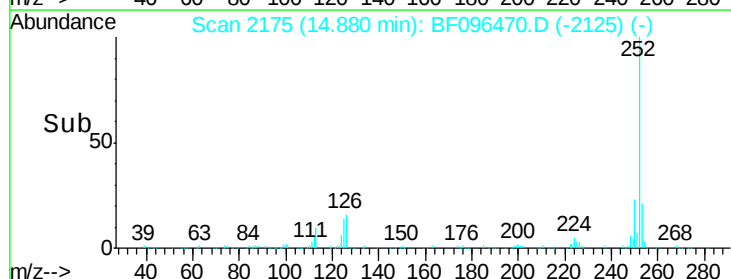
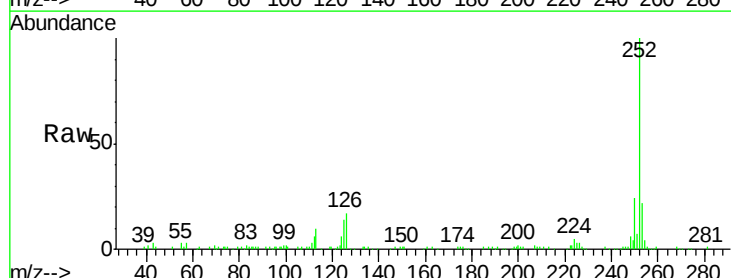
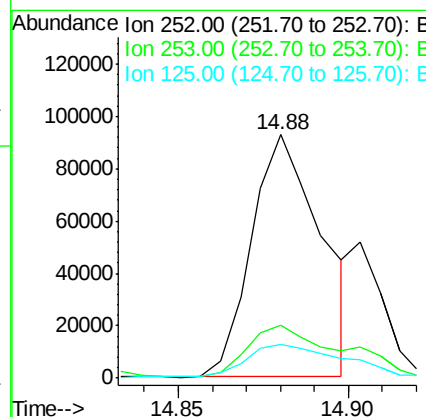
RT: 14.88 min Scan# 2175

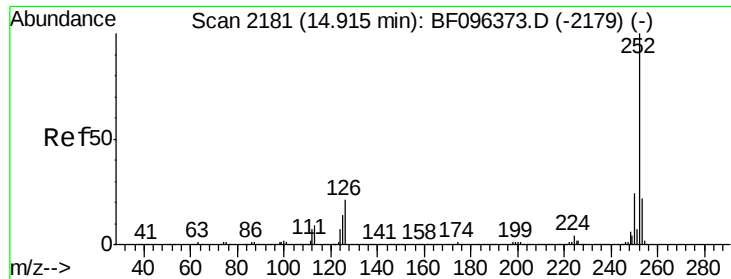
Delta R.T. -0.01 min

Lab File: BF096470.D

Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	131679		
253	21.7	18.1	27.1	
125	14.1	9.8	14.8	





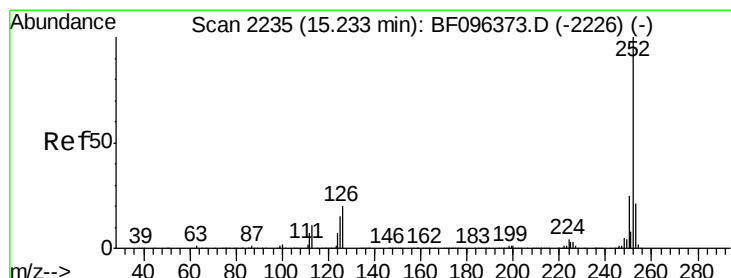
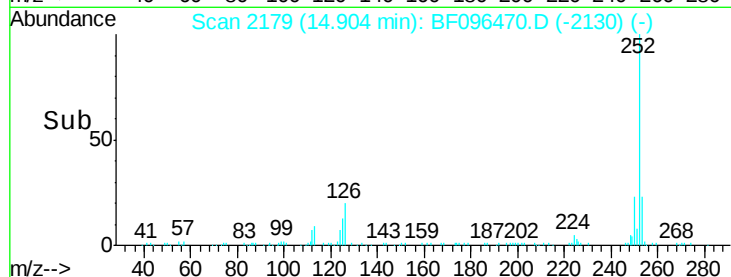
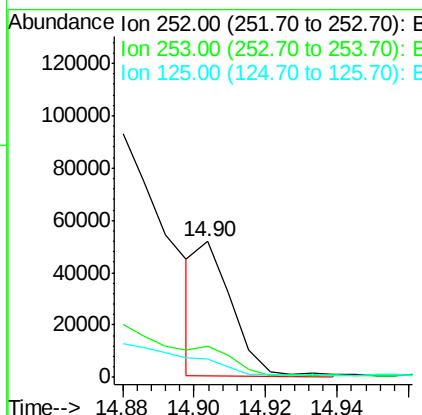
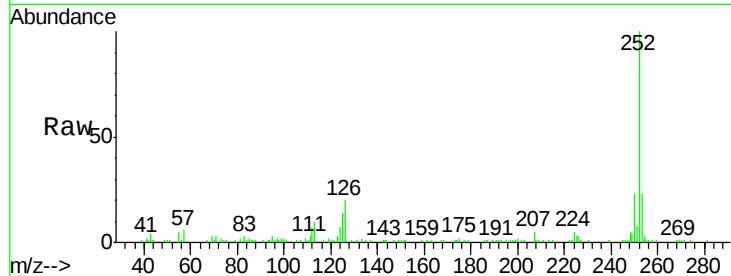
#88
Benzo(k)fluoranthene
Concen: 5.483 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Instrument :
BNA_F
ClientSampleId :
E2-Q5-ESW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	13.6	13.1	19.7

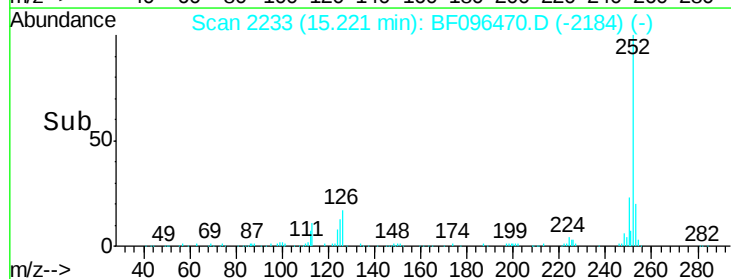
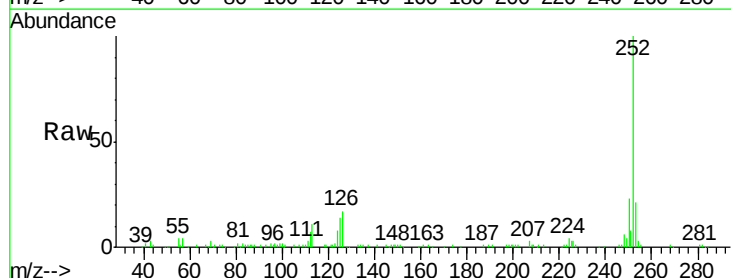
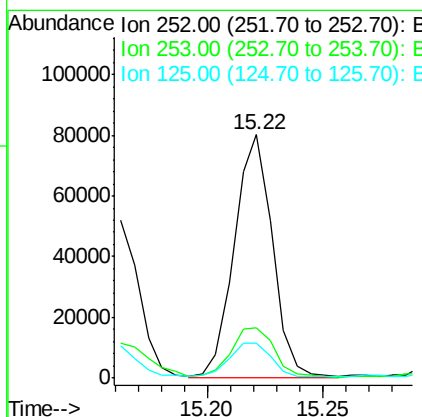
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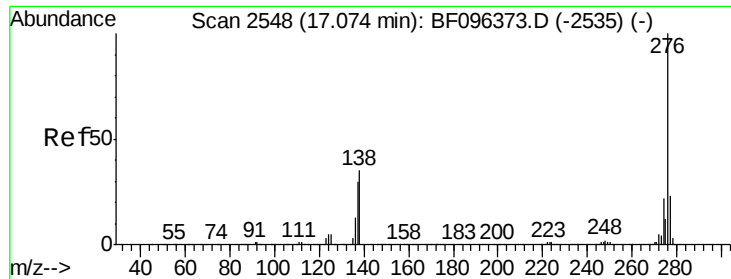
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#89
Benzo(a)pyrene
Concen: 14.606 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096470.D
Acq: 4 Jul 2017 5:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.5	26.3
125	14.5	11.0	16.4





#91
 Benzo(g,h,i)perylene
 Concen: 7.882 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.03 min
 Lab File: BF096470.D
 Acq: 4 Jul 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-ESW

Tgt Ion:	276	Resp:	40304
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.6	28.0
138	26.9	25.4	38.0

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