

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096668.D
 Acq On : 12 Jul 2017 3:18
 Operator : SJ/JU
 Sample : I4130-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P7-BASE

Manual Integrations
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Quant Time: Jul 12 04:52:37 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	105366	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	398084	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	174335	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	278413	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	192288	20.00	ng	-0.02
86) Perylene-d12	15.23	264	212605	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	728940	102.11	ng	-0.01
7) Phenol-d6	6.33	99	950588	108.31	ng	-0.02
23) Nitrobenzene-d5	7.25	82	481208	72.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	149477	109.77	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	607495	59.58	ng	-0.02
78) Terphenyl-d14	12.78	244	383352	42.60	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.34	94	23881	2.389	ng	96
11) bis(2-Chloroethyl)ether	6.43	93	433561	56.113	ng	93
13) 1,4-Dichlorobenzene	6.70	146	53880	6.753	ng	96
14) 1,2-Dichlorobenzene	6.86	146	141390	19.302	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.97	45	438223	27.898	ng	94
31) Naphthalene	7.99	128	585431	31.151	ng	100
37) 2-Methylnaphthalene	8.69	142	988555	82.635	ng	99
45) 1,1'-Biphenyl	9.15	154	95340	6.383	ng	99
49) Dimethylphthalate	9.44	163	152726	11.735	ng	# 92
51) Acenaphthene	9.75	154	107166	9.856	ng	97
57) Fluorene	10.26	166	82302	8.118	ng	# 88
70) Phenanthrene	11.22	178	222415	14.778	ng	99
71) Anthracene	11.27	178	69666m	4.542	ng	
74) Fluoranthene	12.40	202	114226	7.741	ng	99
77) Pyrene	12.63	202	114063	7.390	ng	97
80) Benzo(a)anthracene	13.82	228	33055	2.969	ng	# 94
82) Chrysene	13.85	228	33314	2.857	ng	# 93
87) Benzo(b)fluoranthene	14.83	252	34148m	2.563	ng	
89) Benzo(a)pyrene	15.16	252	25885	2.176	ng	# 80

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

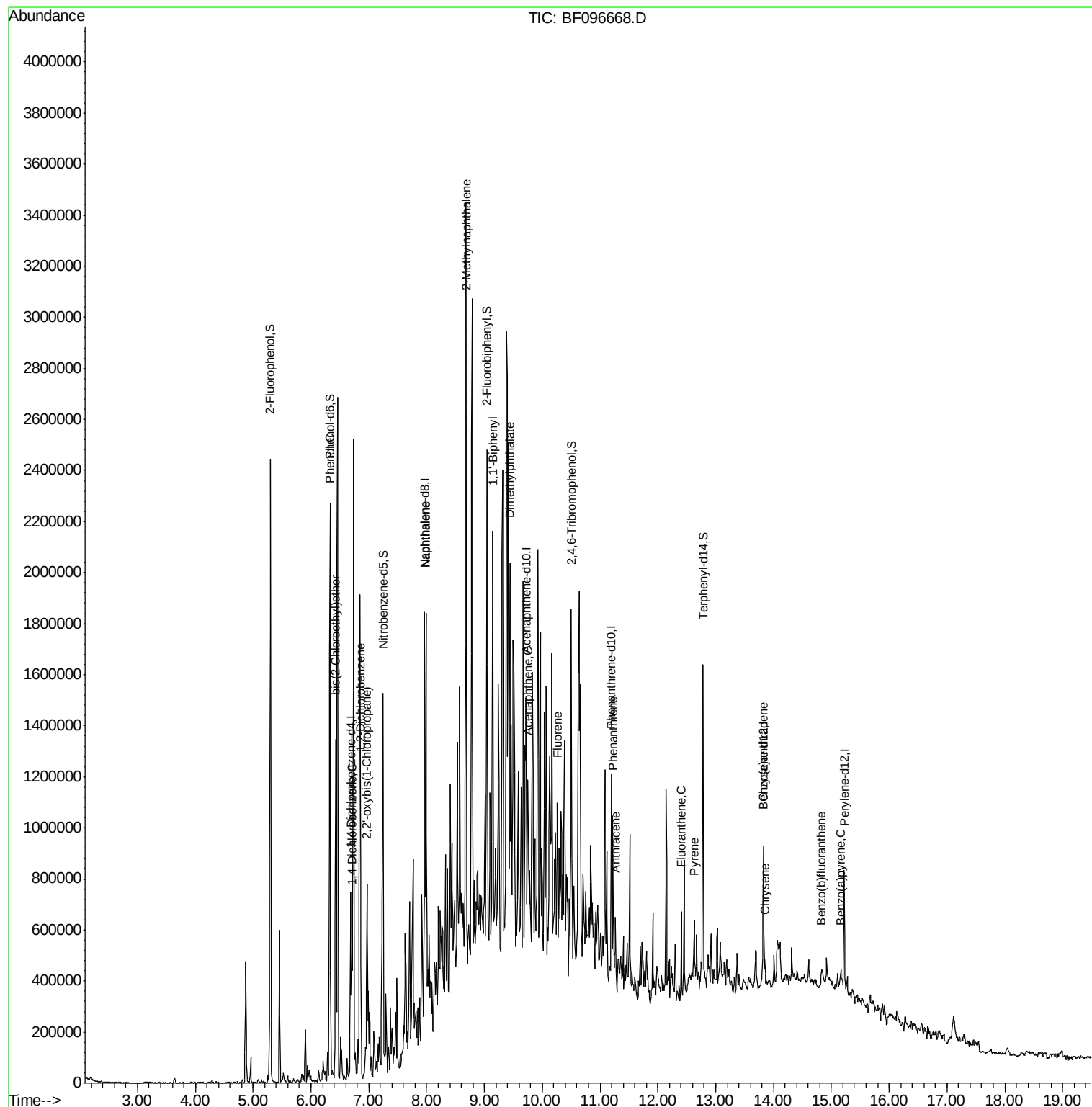
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#1

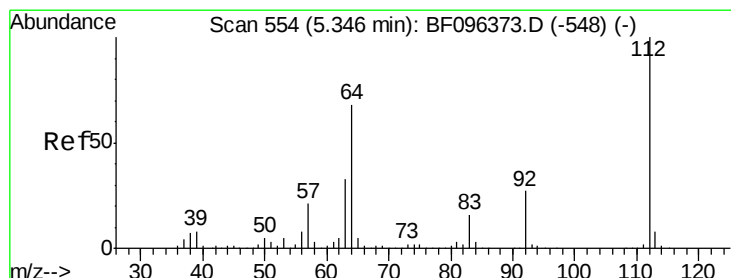
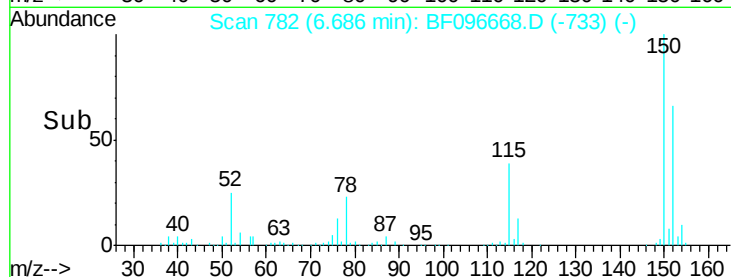
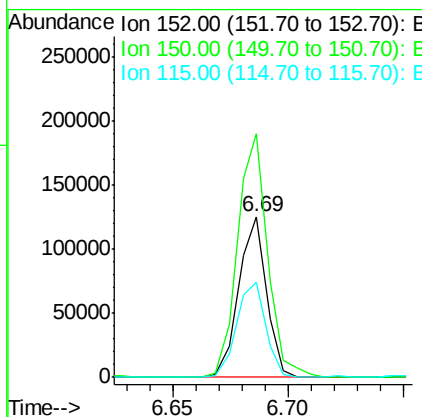
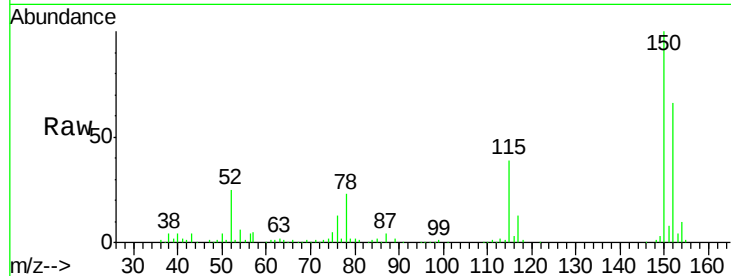
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Instrument :
BNA_F
ClientSampleId :
E2-P7-BASE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.3	126.2	189.2
115	59.4	52.2	78.2

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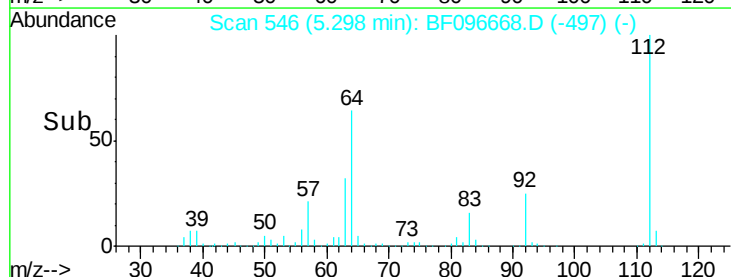
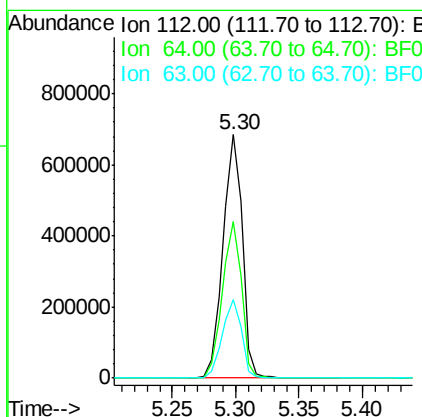
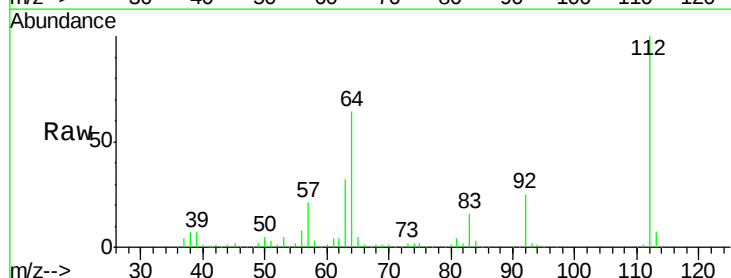
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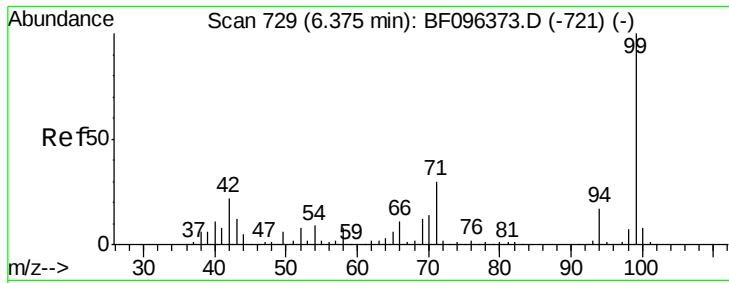


#5

2-Fluorophenol
Concen: 102.110 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.0	69.0
63	32.5	23.4	35.0





#7

Phenol-d6

Concen: 108.315 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Instrument :

BNA_F

ClientSampled :

E2-P7-BASE

Tgt Ion: 99 Resp: 950588

Ion Ratio Lower Upper

99 100

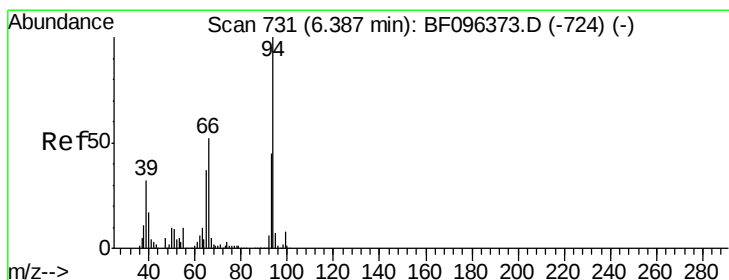
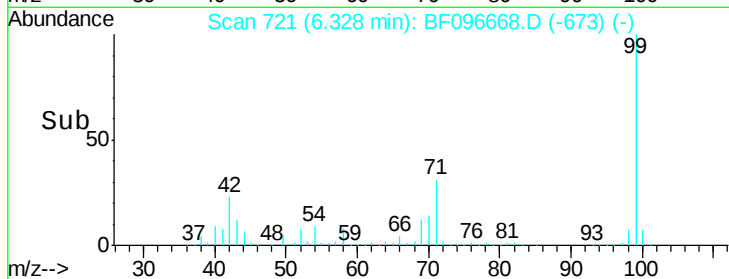
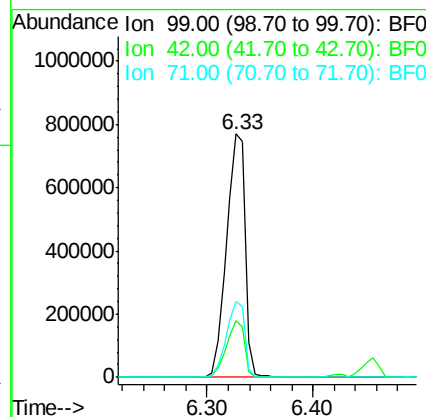
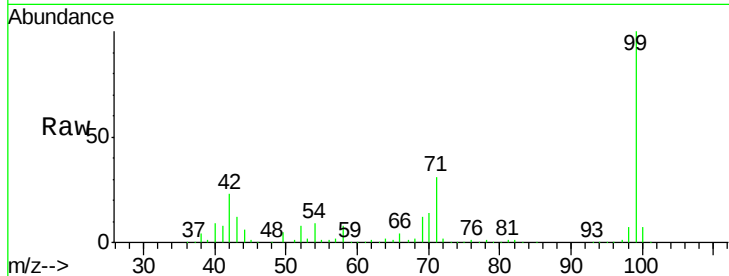
42 23.1 13.5 20.3#

71 31.4 24.5 36.7

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#10

Phenol

Concen: 2.389 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

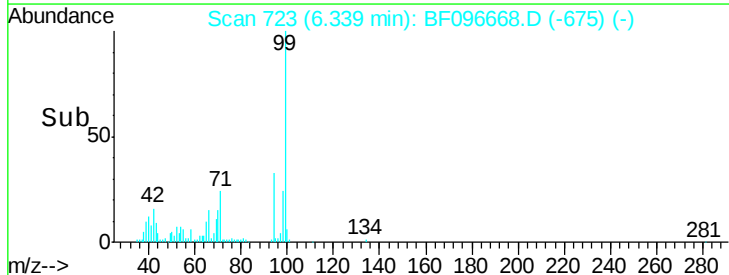
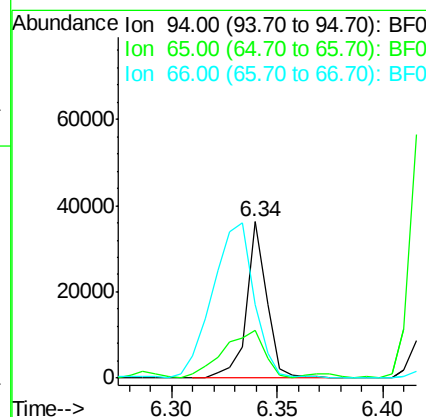
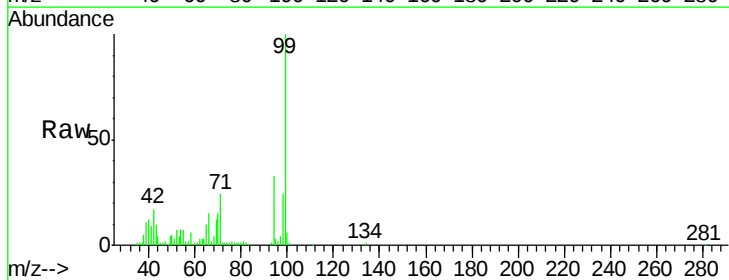
Tgt Ion: 94 Resp: 23881

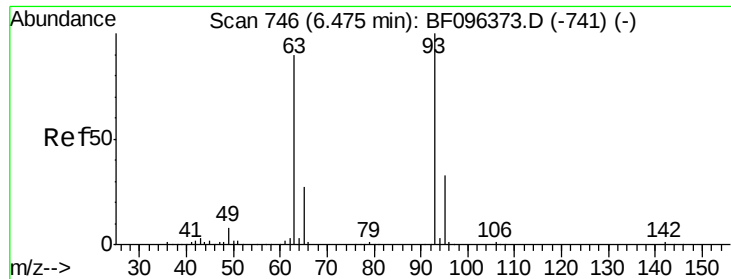
Ion Ratio Lower Upper

94 100

65 30.9 9.9 49.9

66 47.0 23.1 63.1





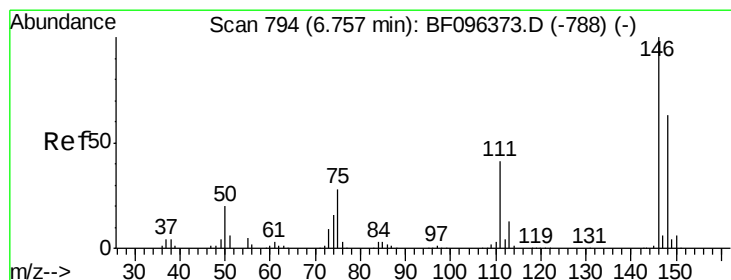
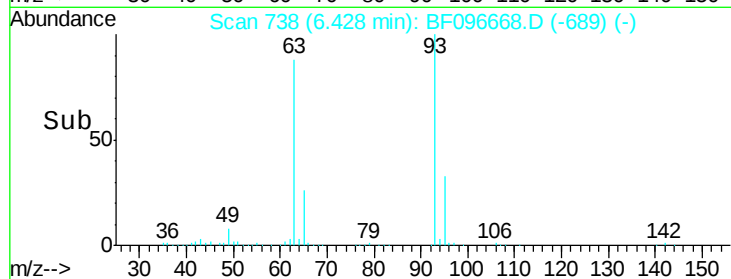
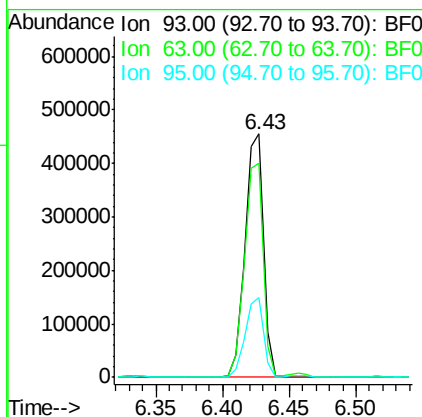
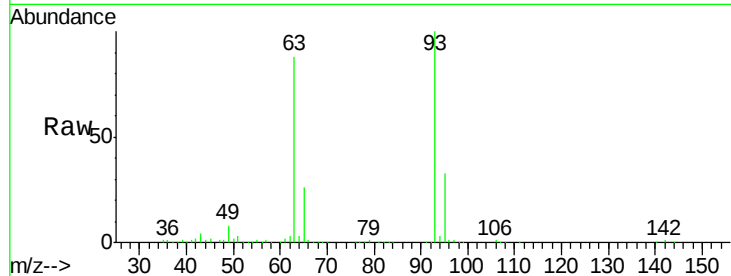
#11
bis(2-Chloroethyl)ether
Concen: 56.113 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Instrument :
BNA_F
ClientSampleId :
E2-P7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	433561		
63	87.9	59.2	99.2	
95	32.7	12.8	52.8	

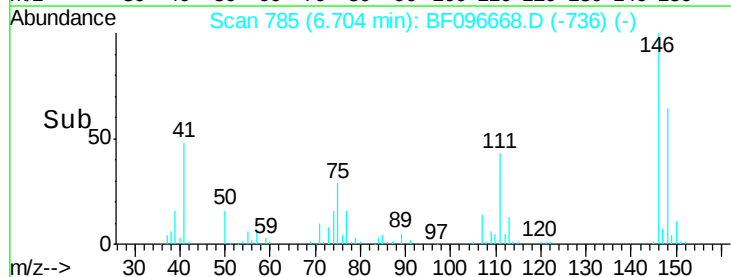
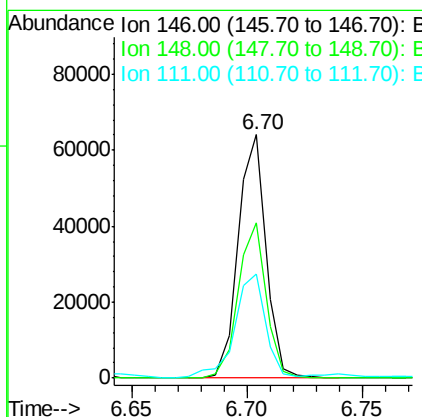
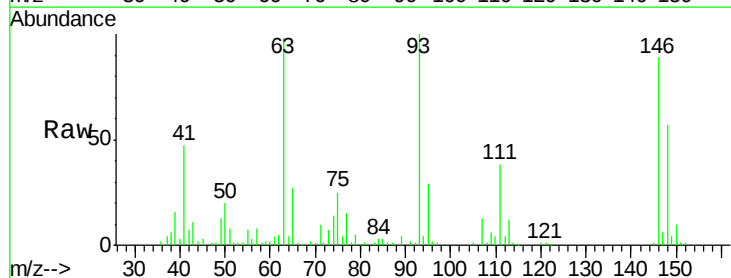
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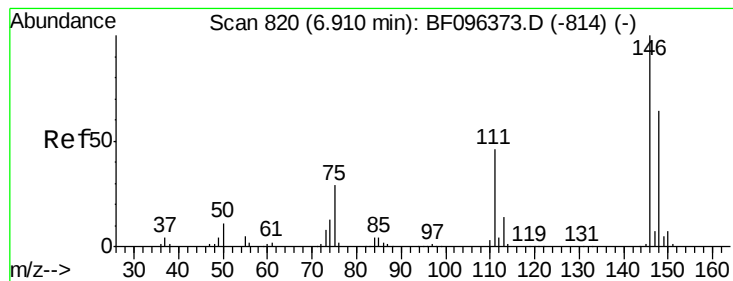
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#13
1,4-Dichlorobenzene
Concen: 6.753 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	53880		
148	63.7	52.2	78.2	
111	42.9	30.3	45.5	





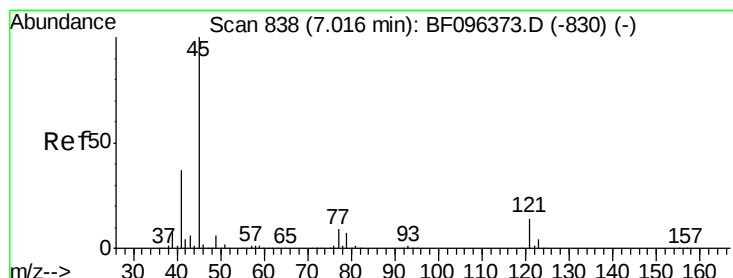
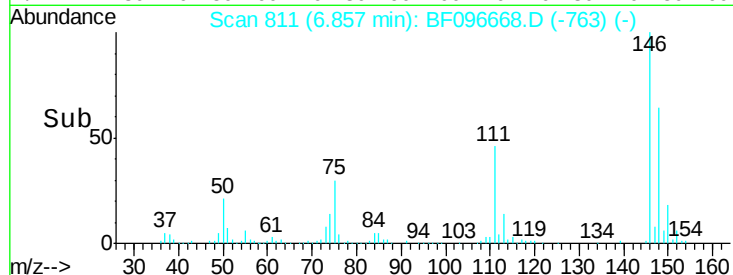
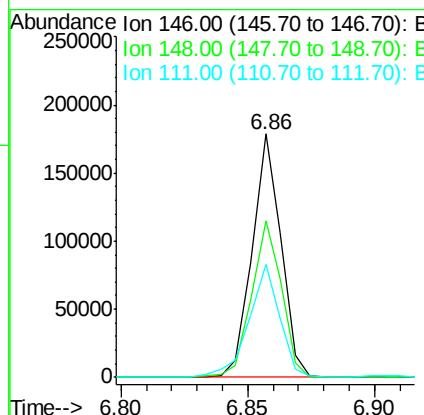
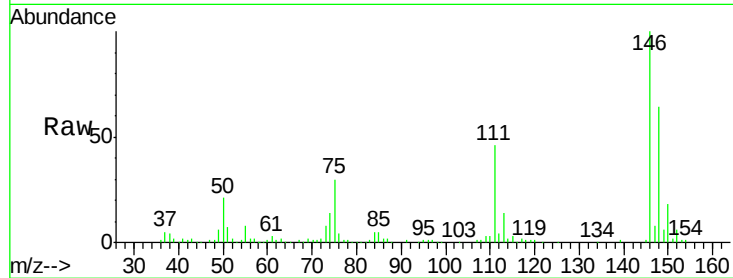
#14
1,2-Dichlorobenzene
Concen: 19.302 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Instrument :
BNA_F
ClientSampleId :
E2-P7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	141390		
148	64.2	50.4	75.6	
111	46.3	38.2	57.4	

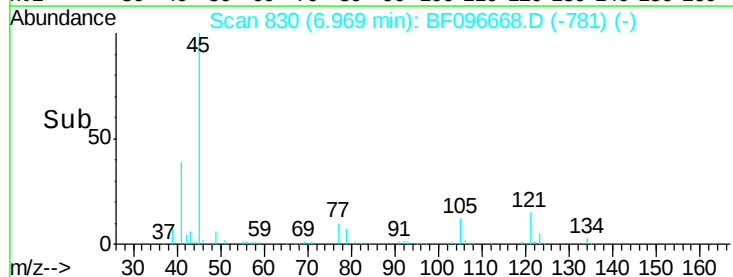
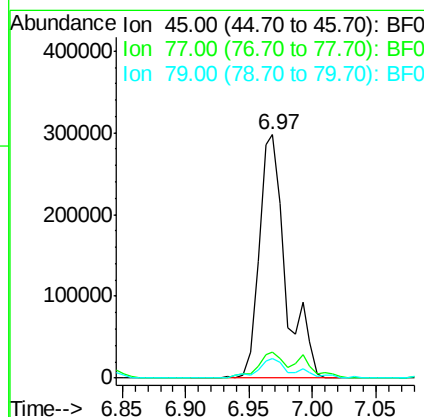
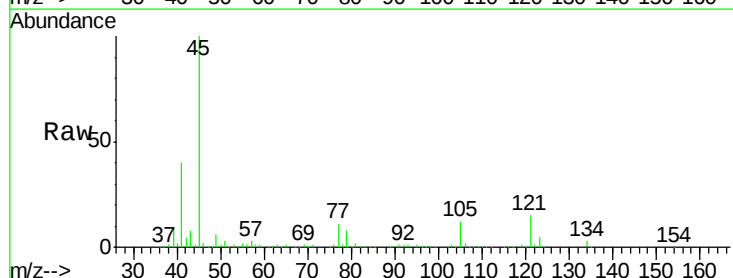
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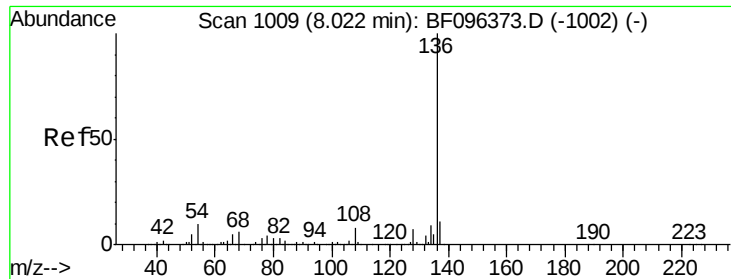
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 27.898 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	438223		
77	10.9	0.0	33.2	
79	8.0	0.0	30.0	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Instrument :

BNA_F

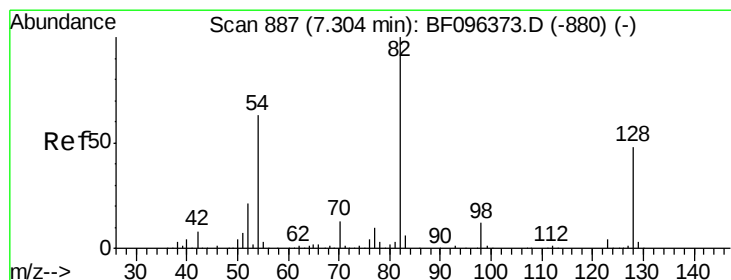
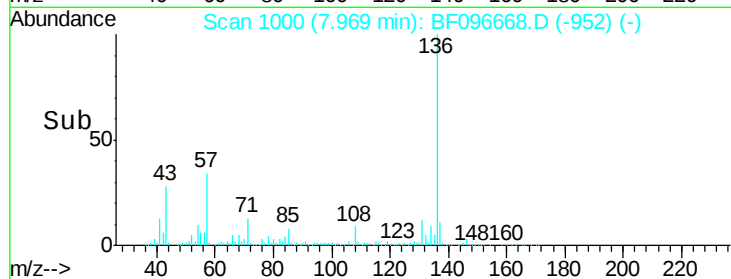
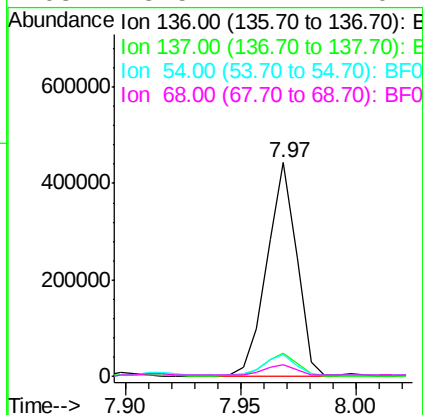
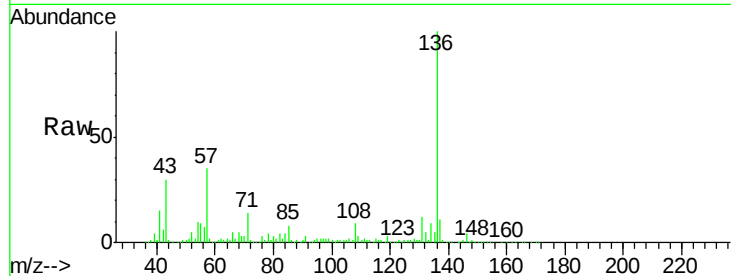
ClientSampleId :

E2-P7-BASE

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.5	12.7
54	10.3	4.9	7.3#
68	5.5	4.1	6.1

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#23

Nitrobenzene-d5

Concen: 72.638 ng

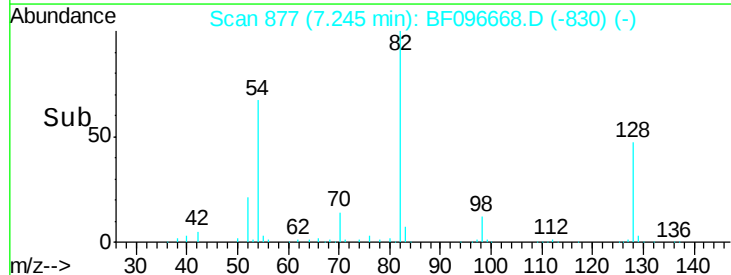
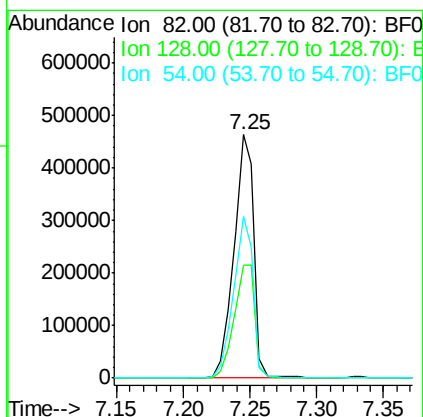
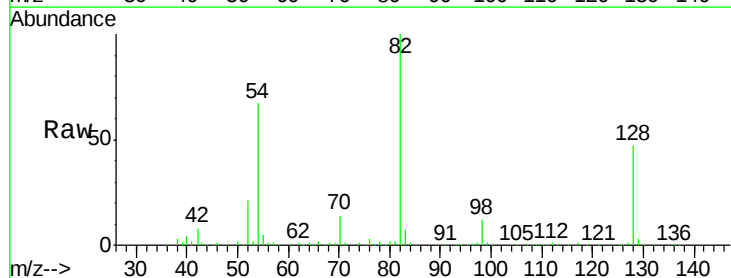
RT: 7.25 min Scan# 877

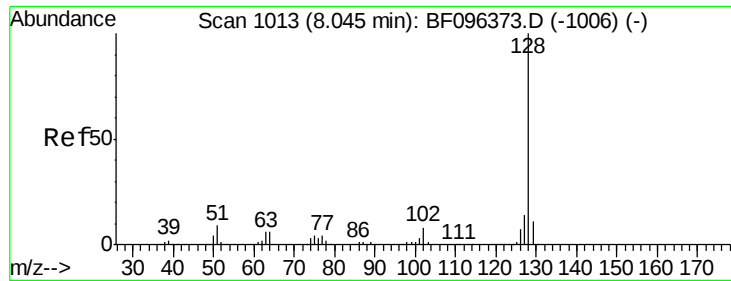
Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.6	34.0	51.0
54	66.6	42.2	63.2#





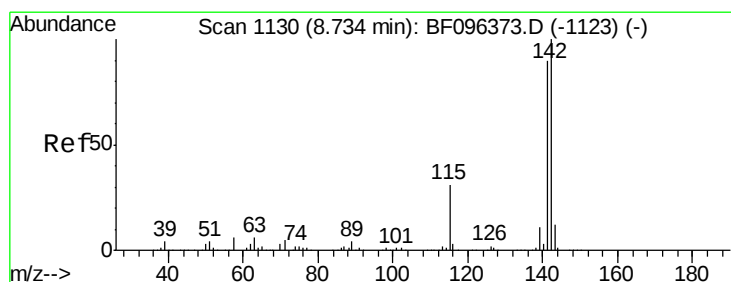
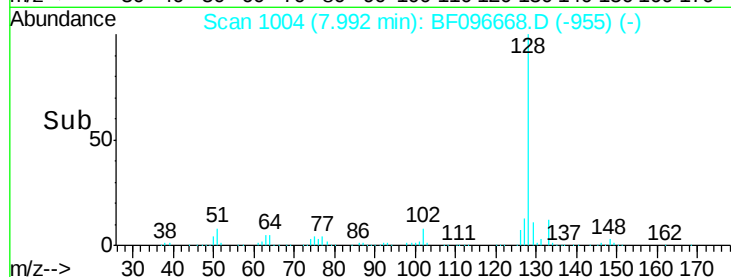
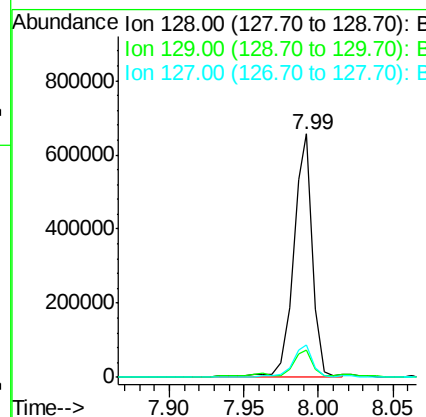
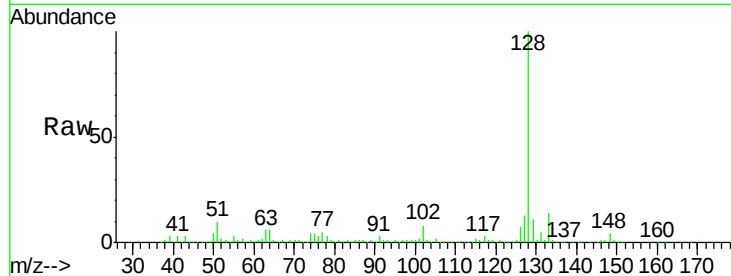
#31
Naphthalene
Concen: 31.151 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Instrument :
BNA_F
ClientSampleId :
E2-P7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	585431		
129	11.2	9.0	13.6	
127	13.5	10.8	16.2	

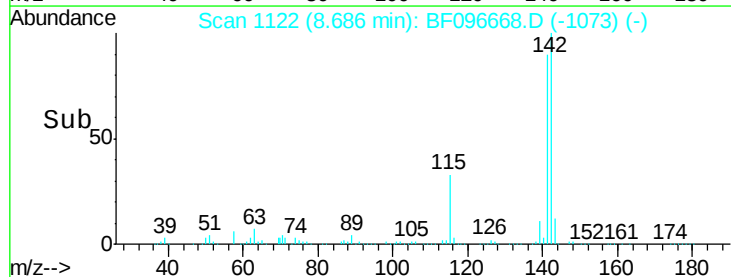
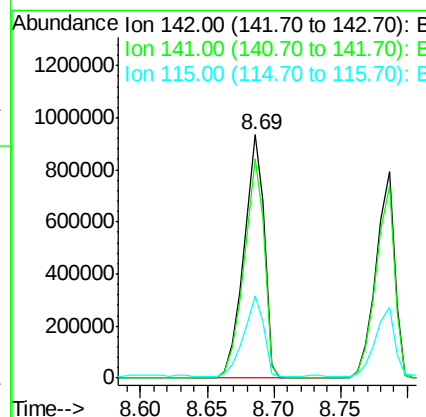
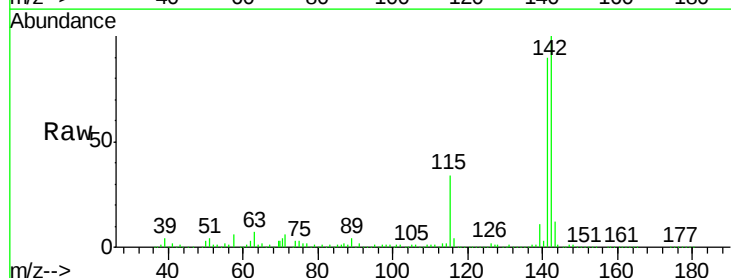
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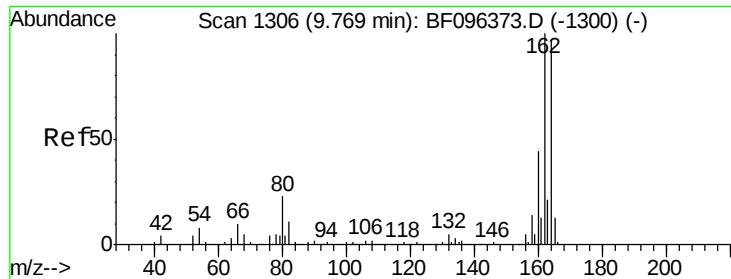
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#37
2-Methylnaphthalene
Concen: 82.635 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	988555		
141	90.2	71.3	106.9	
115	33.6	27.1	40.7	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Instrument :

BNA_F

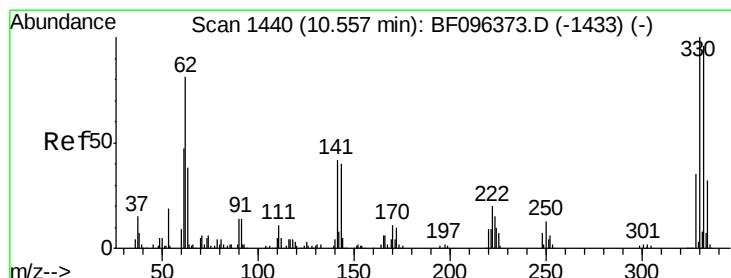
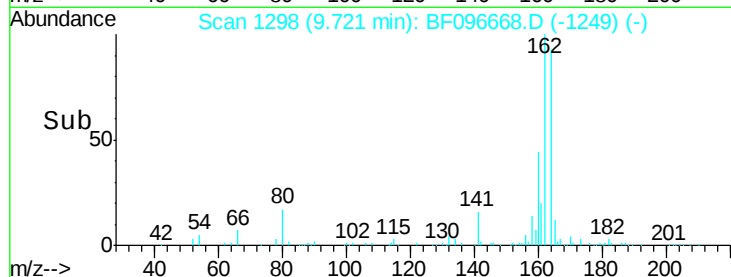
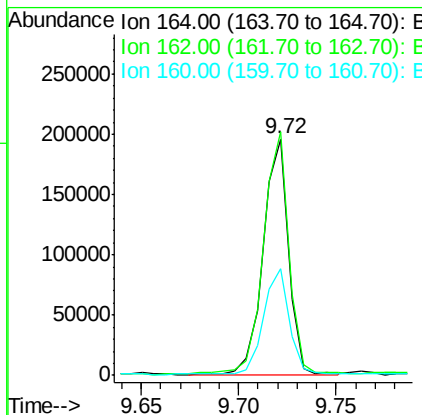
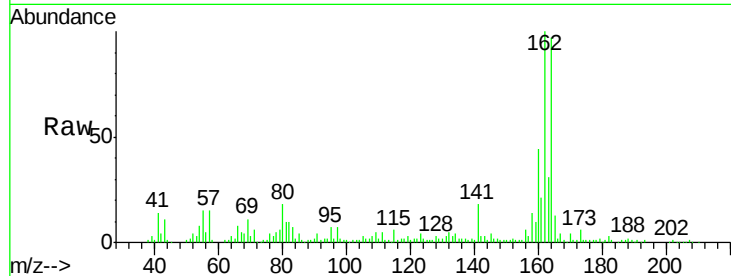
ClientSampleId :

E2-P7-BASE

Tgt Ion:	164	Resp:	174335
Ion Ratio	Lower	Upper	
164	100		
162	103.1	82.6	123.8
160	45.1	36.2	54.2

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#41

2,4,6-Tribromophenol

Concen: 109.767 ng

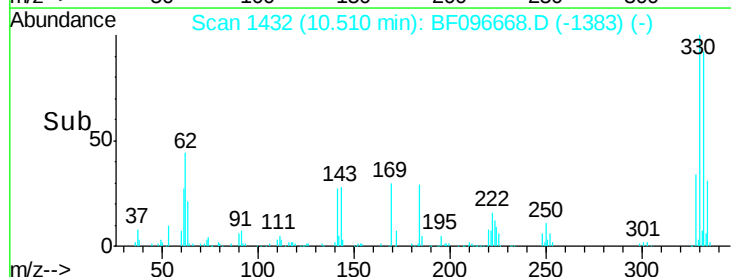
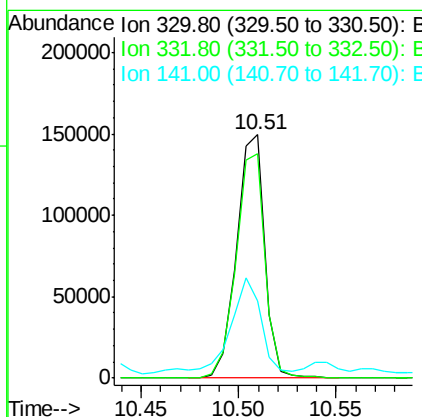
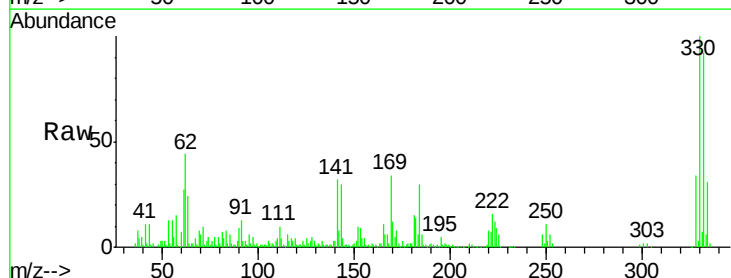
RT: 10.51 min Scan# 1432

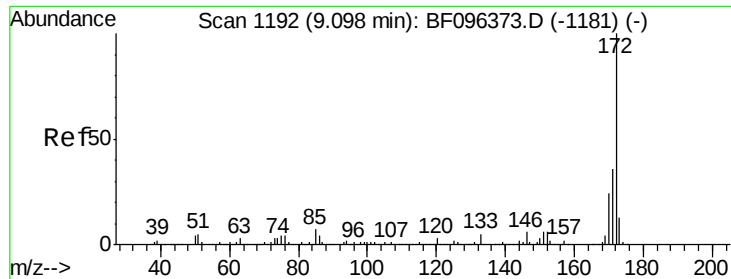
Delta R.T. -0.01 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Tgt Ion:	330	Resp:	149477
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.6	115.0
141	43.5	31.4	47.2





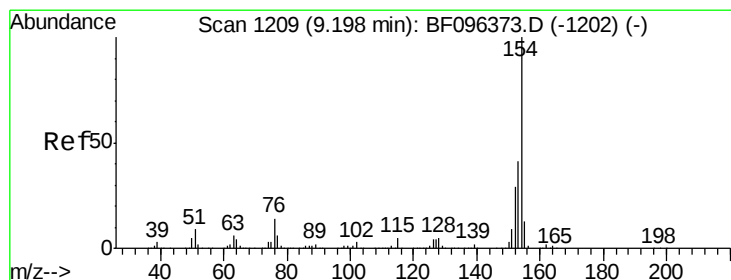
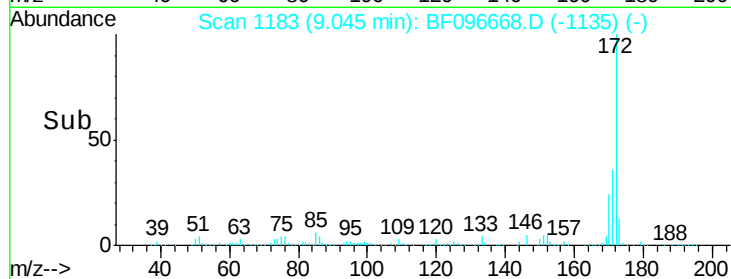
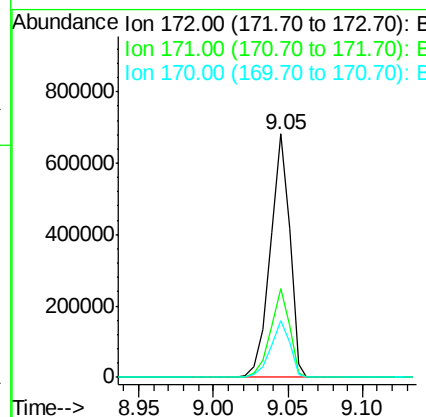
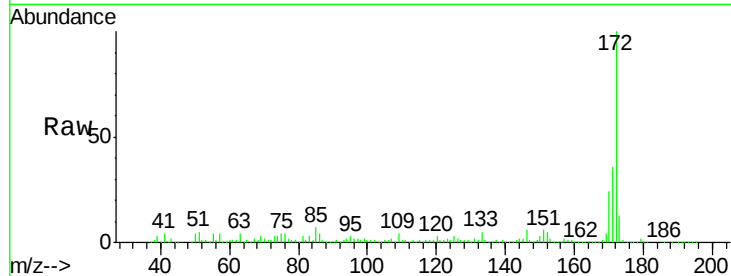
#44
2-Fluorobiphenyl
Concen: 59.579 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Instrument :
BNA_F
ClientSampleId :
E2-P7-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.4	29.6	44.4
170	23.5	19.8	29.8

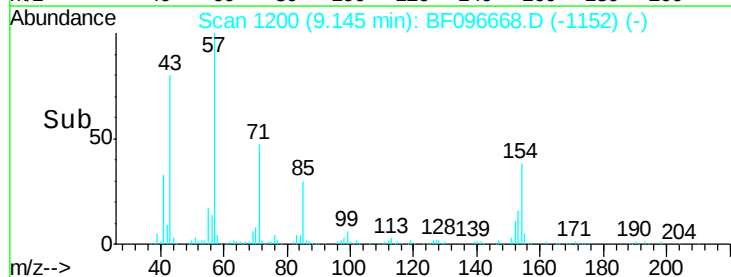
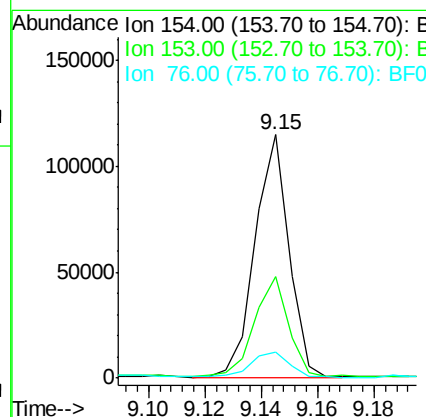
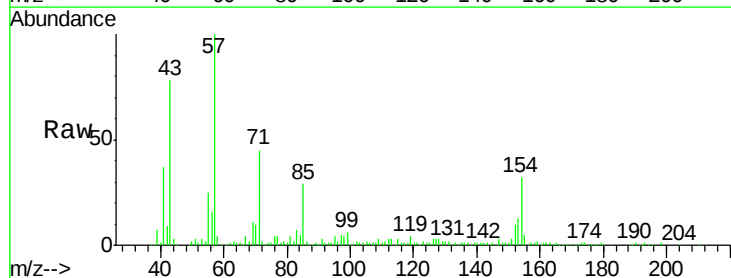
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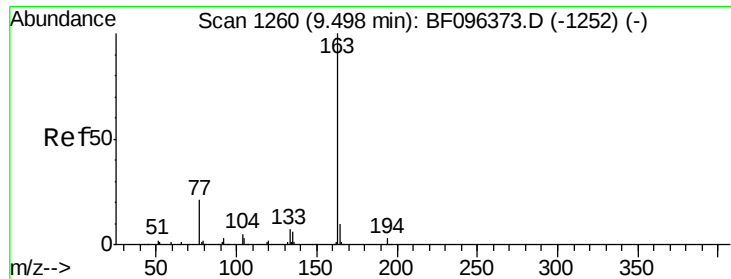
mohammad
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#45
1,1'-Biphenyl
Concen: 6.383 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.02 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	41.8	21.2	61.2
76	10.9	0.0	29.9





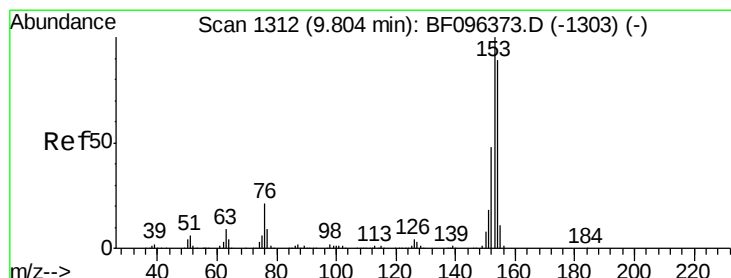
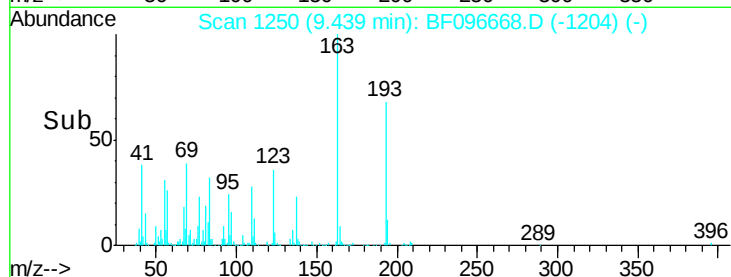
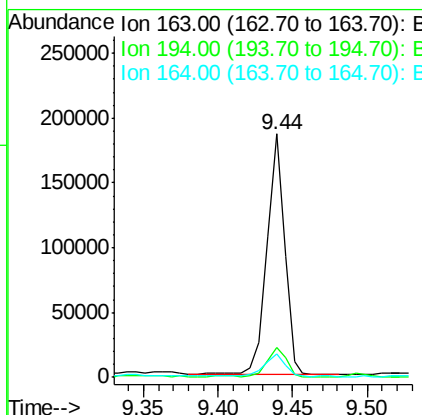
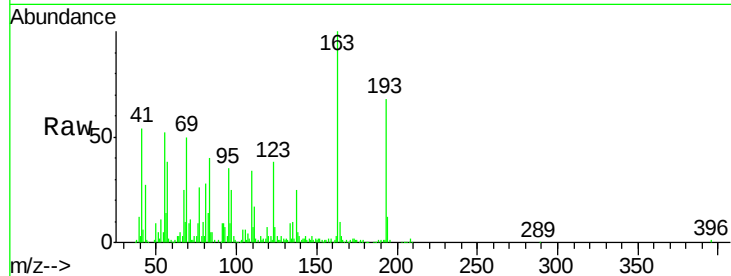
#49
Dimethylphthalate
Concen: 11.735 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Instrument :
BNA_F
ClientSampleId :
E2-P7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	152726		
194	12.4	2.6	4.0#	
164	9.8	8.4	12.6	

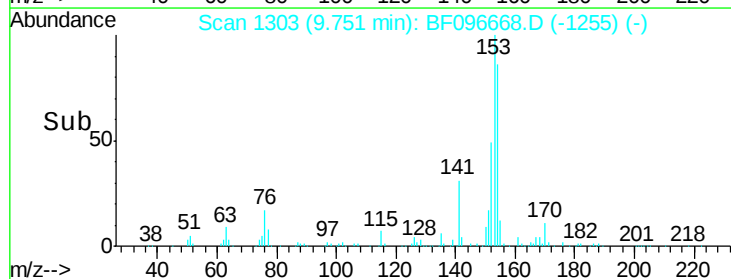
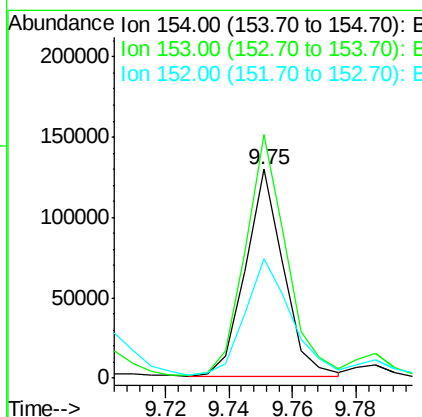
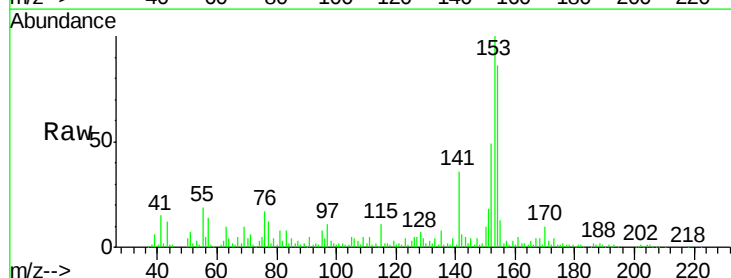
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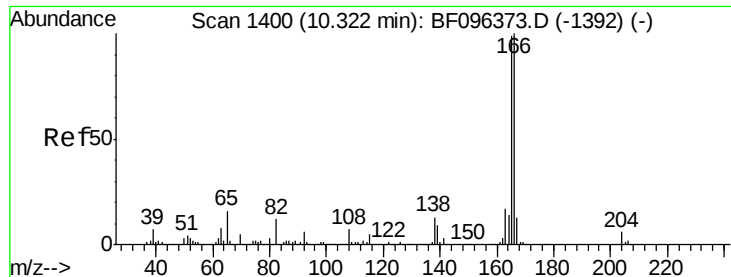
mohammad
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#51
Acenaphthene
Concen: 9.856 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	107166		
153	116.5	90.5	135.7	
152	57.1	43.6	65.4	





#57

Fluorene

Concen: 8.118 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Instrument :

BNA_F

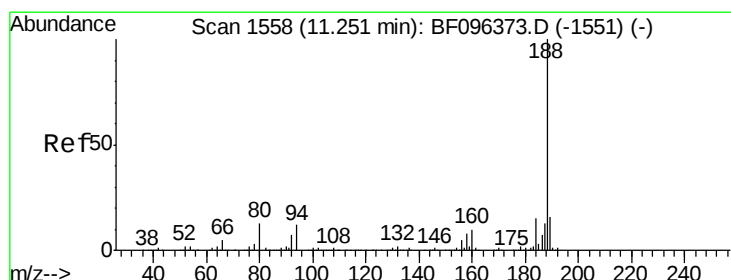
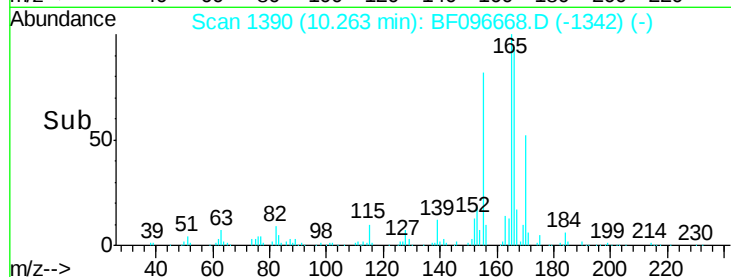
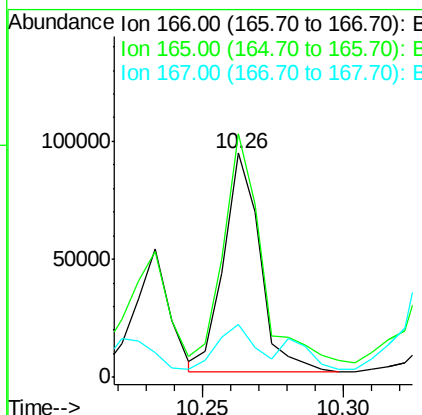
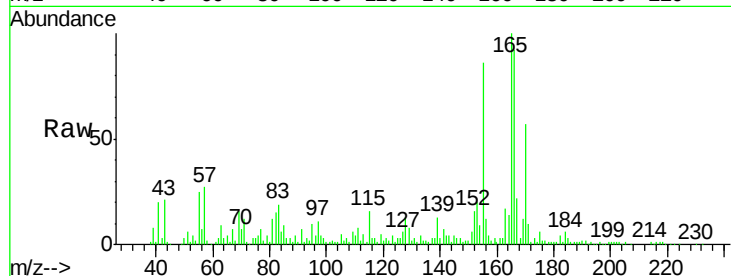
ClientSampleId :

E2-P7-BASE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.6	78.8	118.2
167	23.9	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

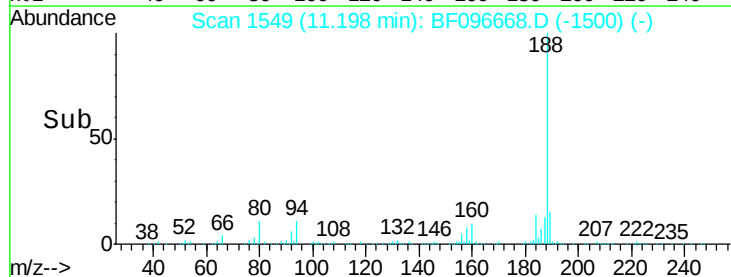
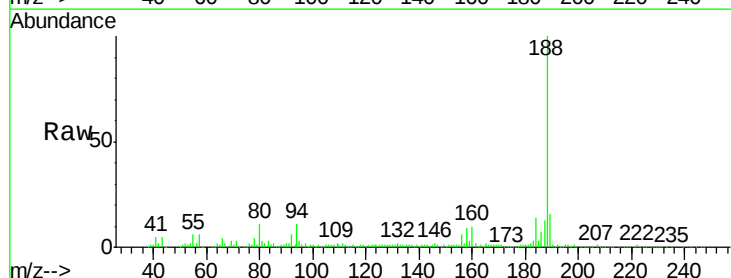
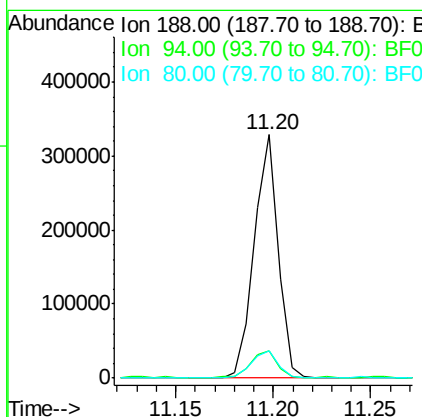
RT: 11.20 min Scan# 1549

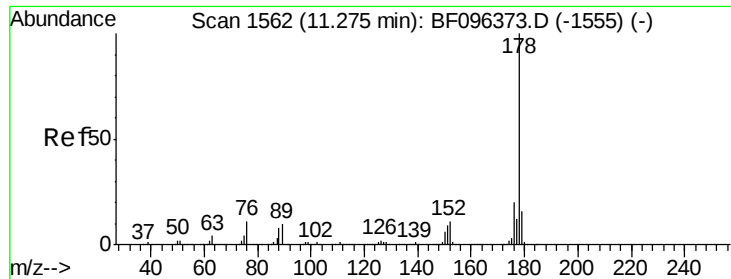
Delta R.T. -0.01 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	11.0	10.2	15.2





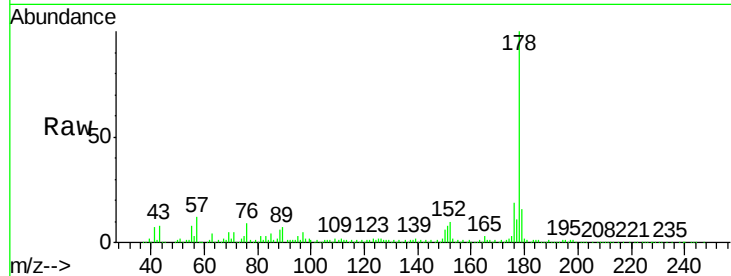
#70
Phenanthrene
Concen: 14.778 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Instrument :
BNA_F
ClientSampleId :
E2-P7-BASE

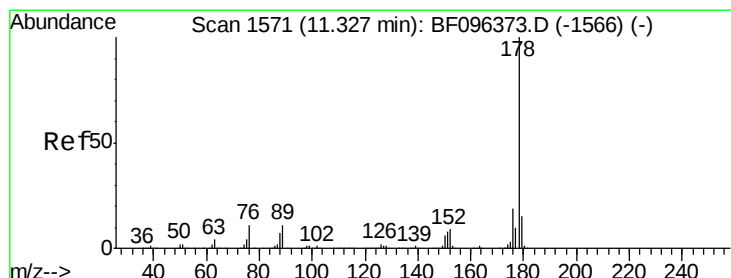
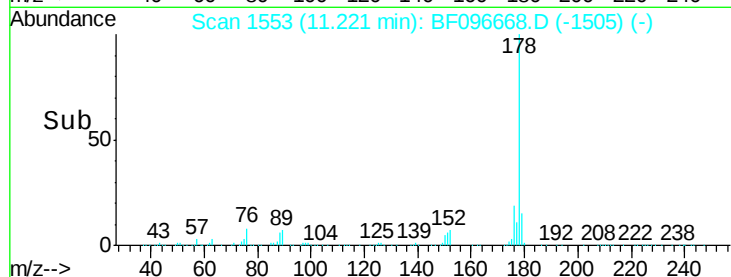
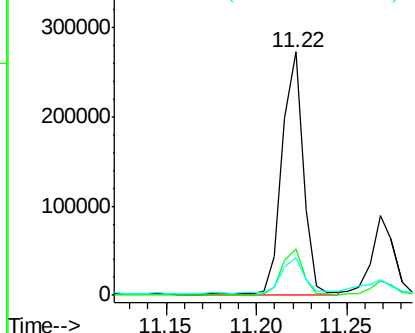
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.6	12.6	19.0

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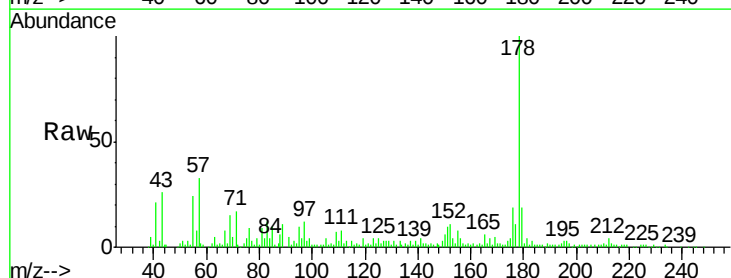


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

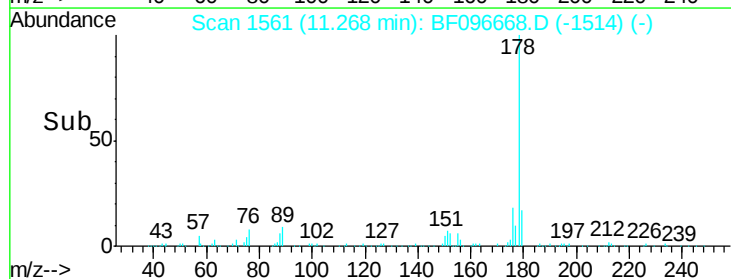
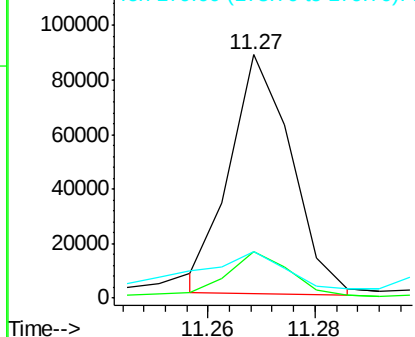


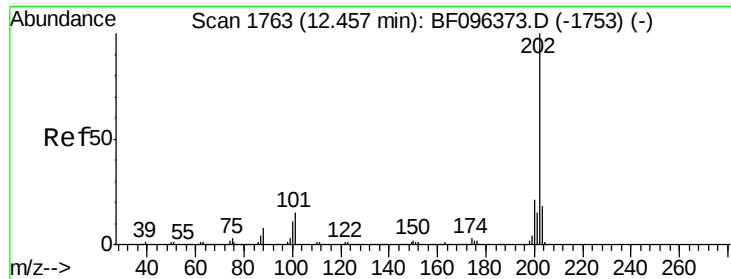
#71
Anthracene
Concen: 4.542 ng m
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	19.3	12.7	19.1#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.741 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Instrument :

BNA_F

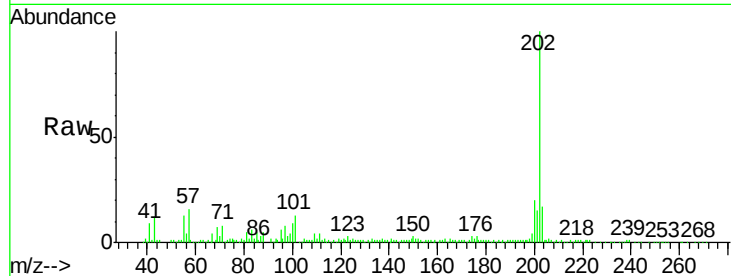
ClientSampleId :

E2-P7-BASE

Tgt Ion:	202	Resp:	114226
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	33.2
203	17.4	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.40

150000

100000

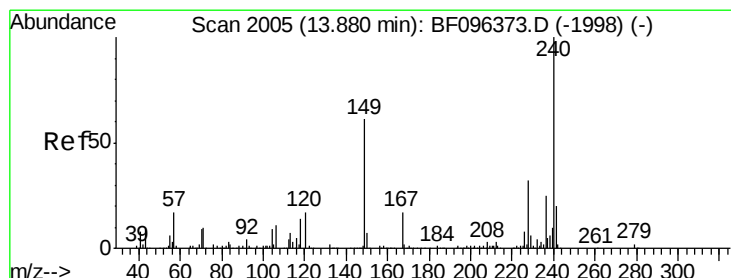
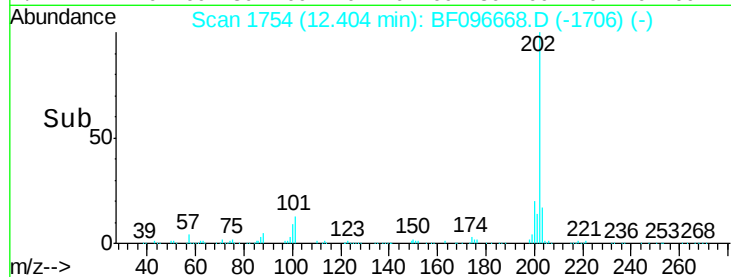
50000

0

12.40

12.45

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

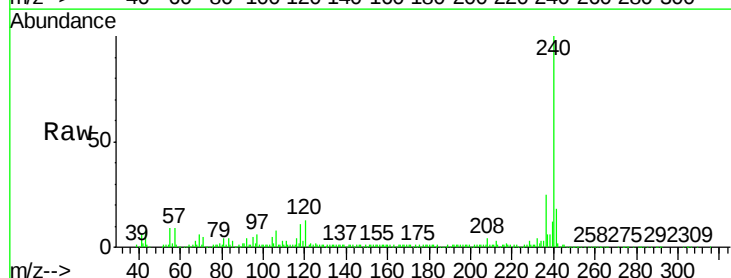
RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Tgt Ion:	240	Resp:	192288
Ion Ratio	Lower	Upper	
240	100		
120	13.4	5.8	8.8#
236	25.2	20.5	30.7



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

13.83

250000

200000

150000

100000

50000

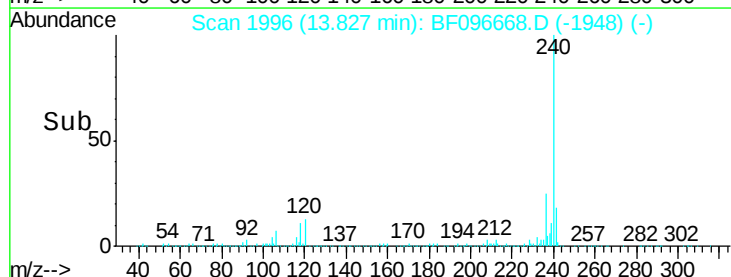
0

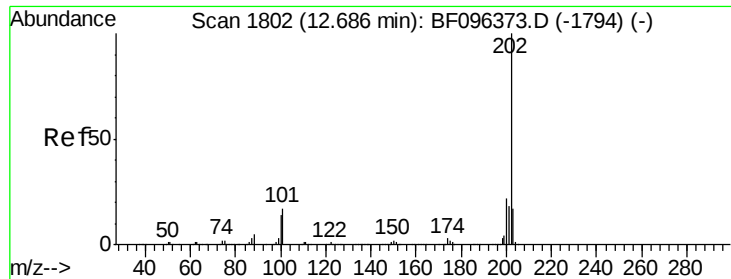
13.75

13.80

13.85

Time-->





#77

Pyrene

Concen: 7.390 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Instrument :

BNA_F

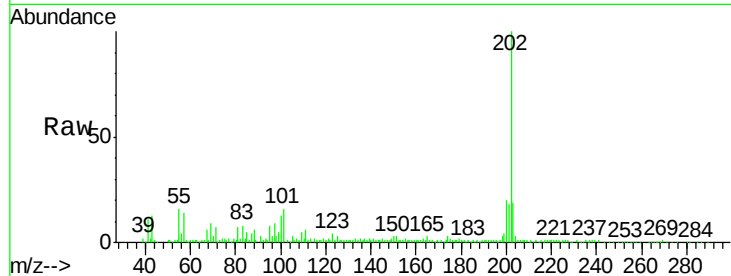
ClientSampleId :

E2-P7-BASE

Tgt Ion:	202	Resp:	114063
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.0	14.4	21.6

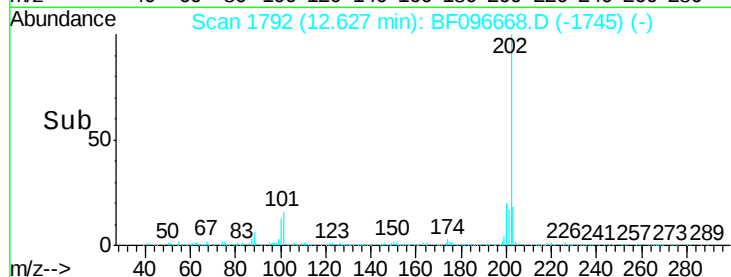
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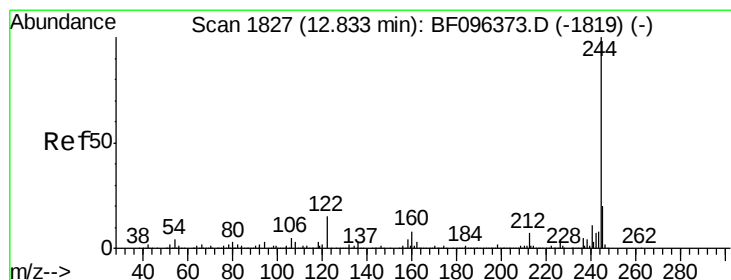


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.63



Time-->



#78

Terphenyl-d14

Concen: 42.601 ng

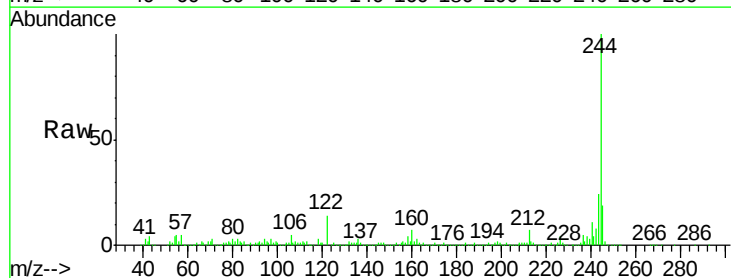
RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096668.D

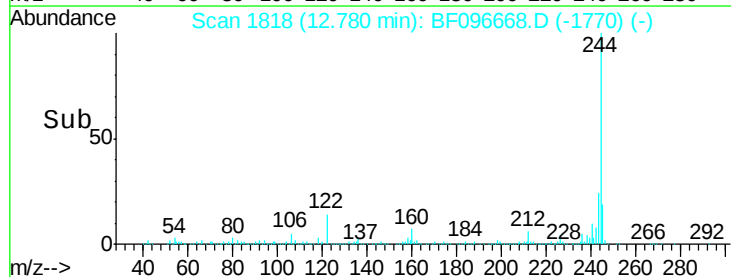
Acq: 12 Jul 2017 3:18

Tgt Ion:	244	Resp:	383352
Ion Ratio		Lower	Upper
244	100		
212	6.5	6.0	9.0
122	14.3	10.3	15.5

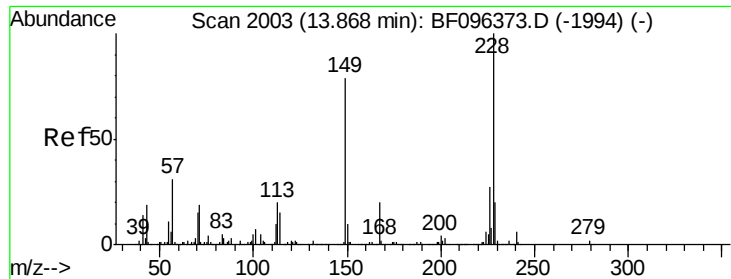


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.78



Time-->



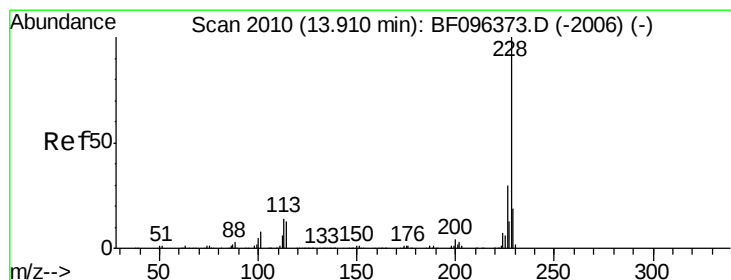
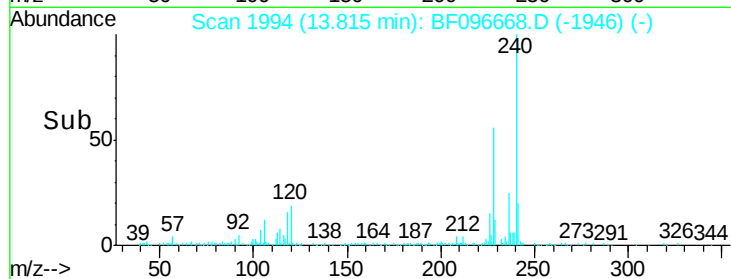
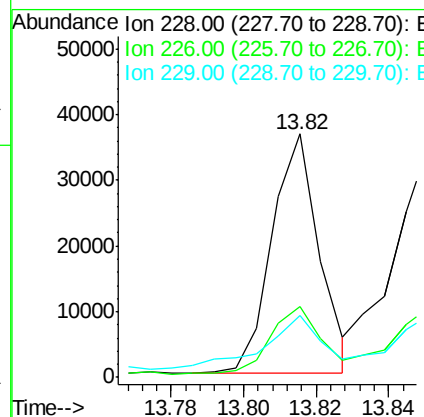
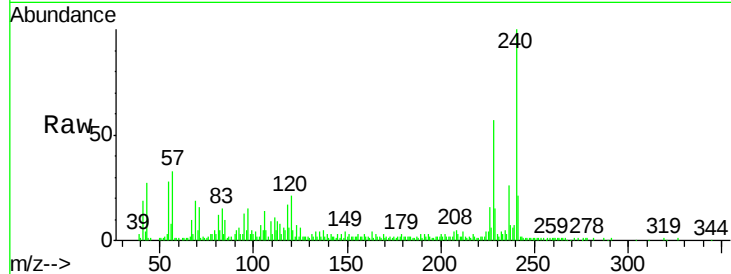
#80
Benzo(a)anthracene
Concen: 2.969 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Instrument :
BNA_F
ClientSampleId :
E2-P7-BASE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	25.6	16.3	24.5

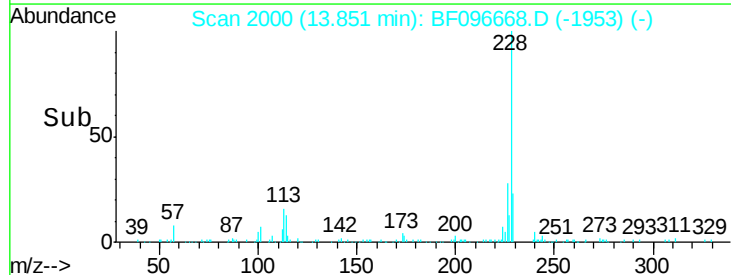
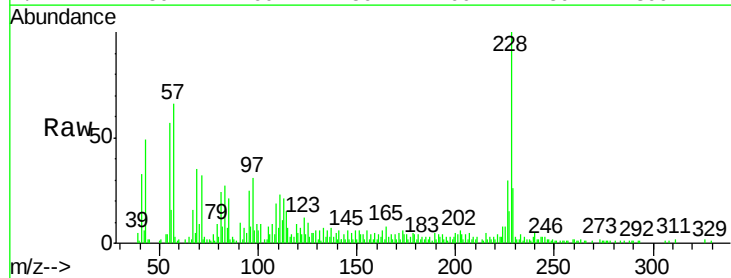
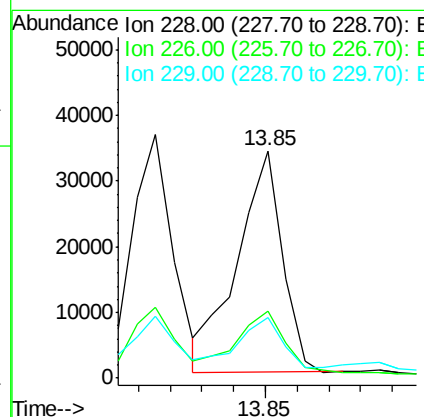
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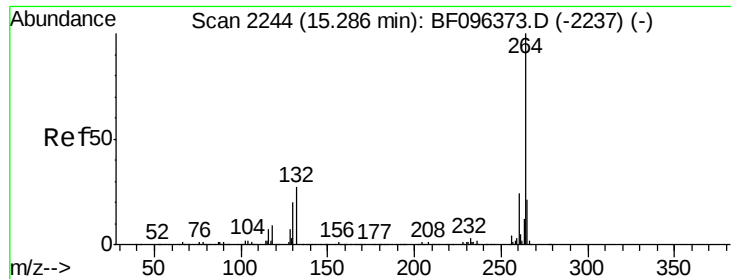
mohammad
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#82
Chrysene
Concen: 2.857 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF096668.D
Acq: 12 Jul 2017 3:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	26.4	15.8	23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Instrument :

BNA_F

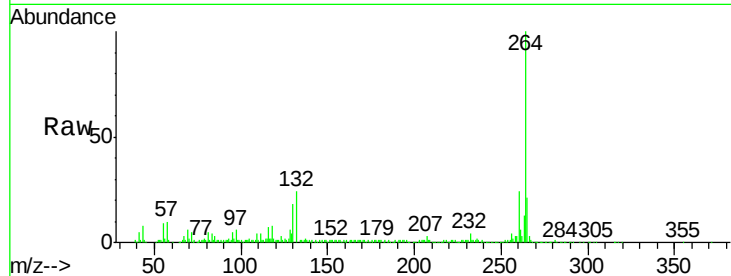
ClientSampleId :

E2-P7-BASE

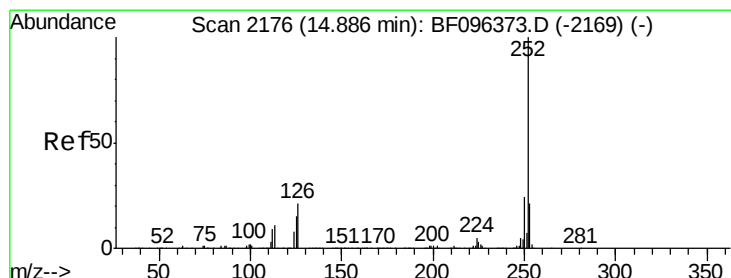
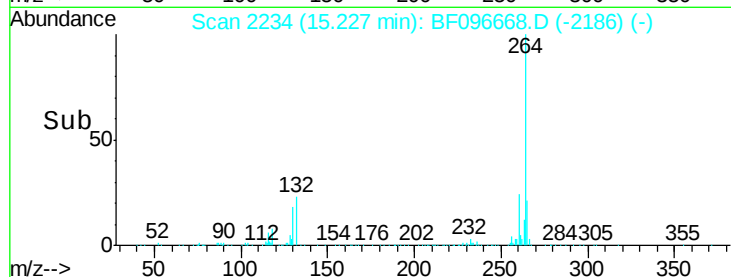
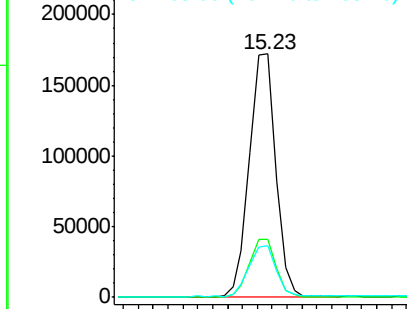
Tgt Ion:	264	Resp:	212605
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.1	17.2	25.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 2.563 ng m

RT: 14.83 min Scan# 2167

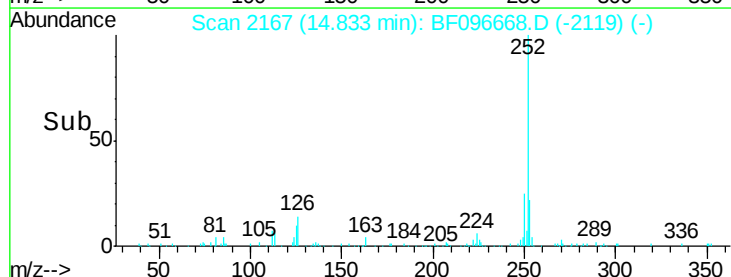
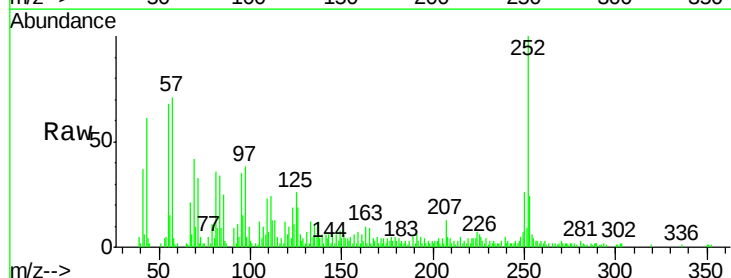
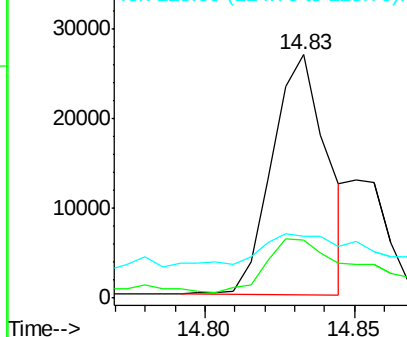
Delta R.T. -0.02 min

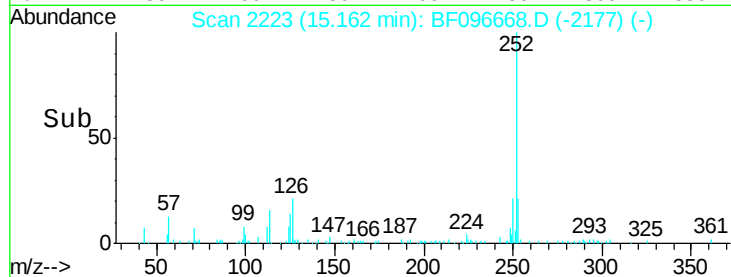
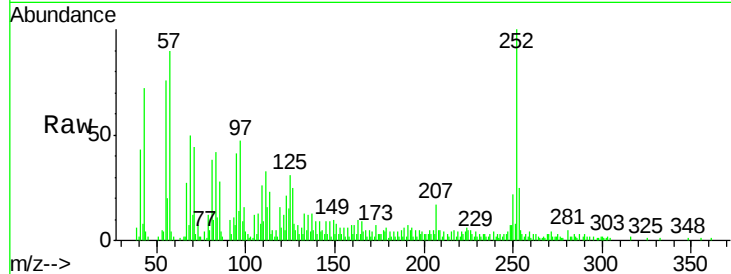
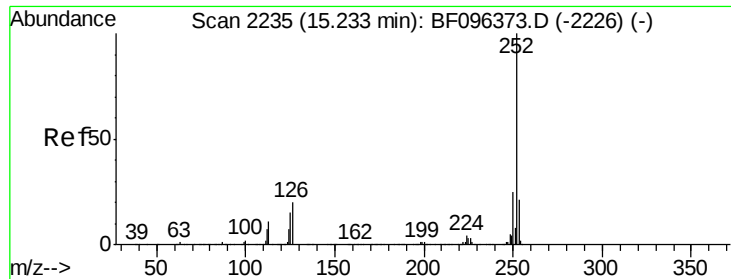
Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Tgt Ion:	252	Resp:	34148
Ion Ratio		Lower	Upper
252	100		
253	23.8	18.1	27.1
125	25.6	9.8	14.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.176 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.03 min

Lab File: BF096668.D

Acq: 12 Jul 2017 3:18

Instrument :

BNA_F

ClientSampleId :

E2-P7-BASE

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		25885		
253	24.6	17.5	26.3		
125	30.8	11.0	16.4		

Manual Integrations
APPROVED

mohammad
7/12/2017 4:57:49 PM

