

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096527.D
 Acq On : 6 Jul 2017 12:31
 Operator : SJ/MA
 Sample : I4052-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

Manual Integrations
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Quant Time: Jul 06 18:44:17 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	119500	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	489165	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	205290	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	328598	20.00	ng	0.00
75) Chrysene-d12	13.86	240	243155	20.00	ng	0.00
86) Perylene-d12	15.27	264	201753	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	710220	87.72	ng	0.00
7) Phenol-d6	6.35	99	855792	85.98	ng	0.00
23) Nitrobenzene-d5	7.27	82	492229	60.47	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	132782	82.80	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	876869	73.03	ng	0.00
78) Terphenyl-d14	12.82	244	597866	52.54	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.36	94	29252	2.580	ng	88
49) Dimethylphthalate	9.46	163	158921	10.370	ng	98
70) Phenanthrene	11.25	178	146857	8.267	ng	97
74) Fluoranthene	12.44	202	190598	10.944	ng	98
77) Pyrene	12.66	202	183670	9.411	ng	98
80) Benzo(a)anthracene	13.85	228	83539	5.933	ng	95
82) Chrysene	13.89	228	74711	5.067	ng	96
85) Indeno(1,2,3-cd)pyrene	16.63	276	32484	2.791	ng	95
87) Benzo(b)fluoranthene	14.87	252	89843m	7.107	ng	
88) Benzo(k)fluoranthene	14.90	252	23258m	2.057	ng	
89) Benzo(a)pyrene	15.22	252	59533	5.275	ng	# 92
91) Benzo(g,h,i)perylene	17.04	276	31400	3.413	ng	98

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

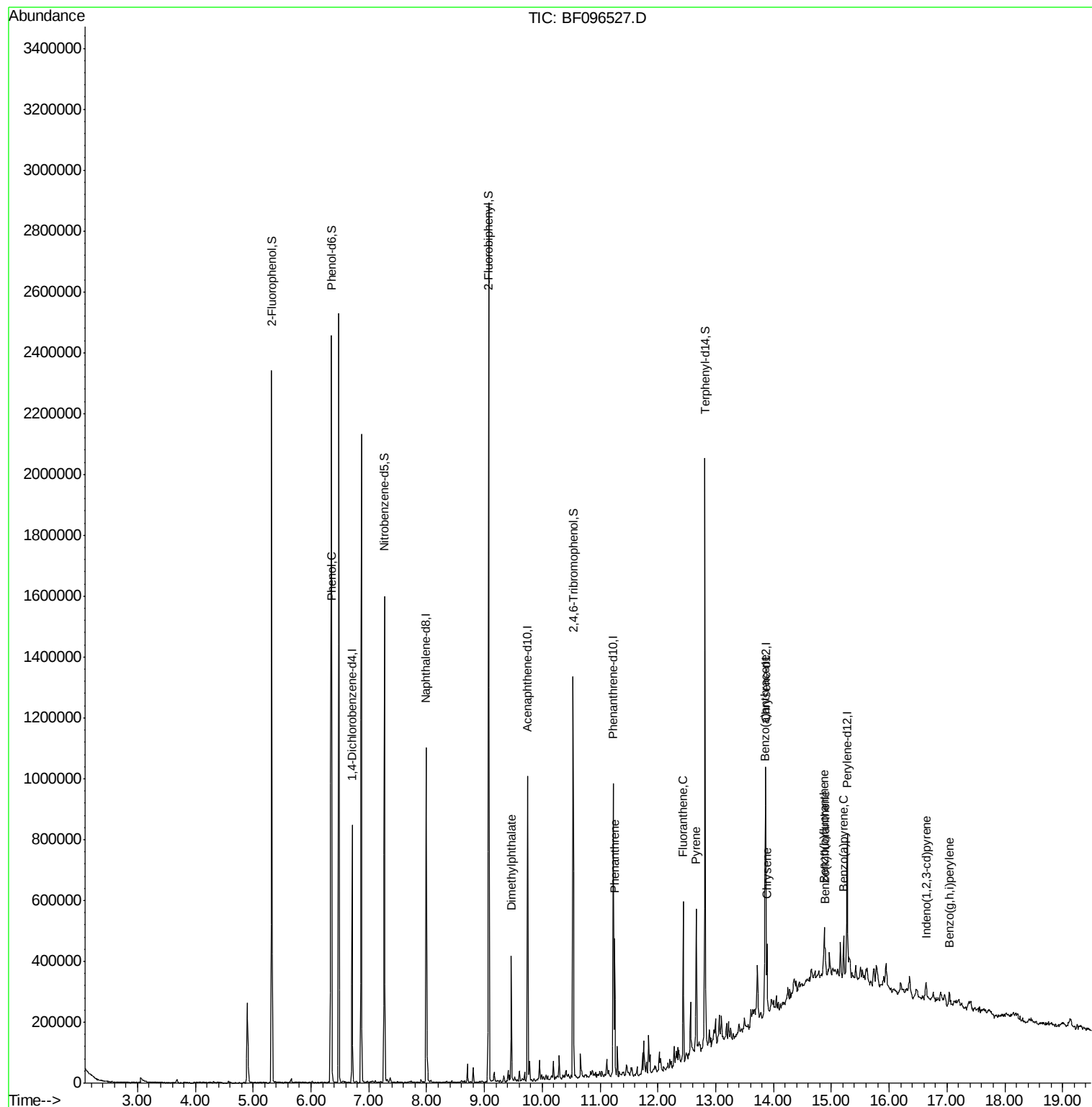
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096527.D
Acq On : 6 Jul 2017 12:31
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Quant Time: Jul 06 18:44:17 2017
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#1

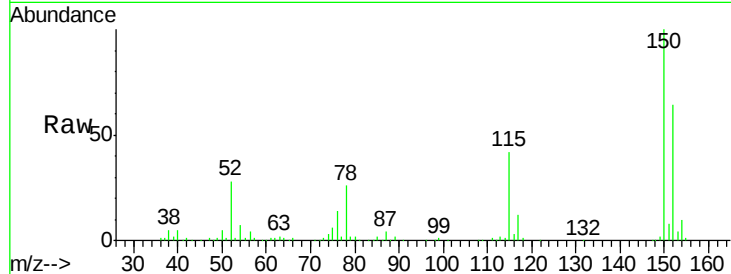
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

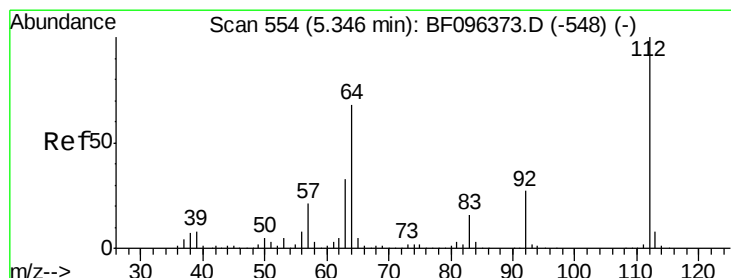
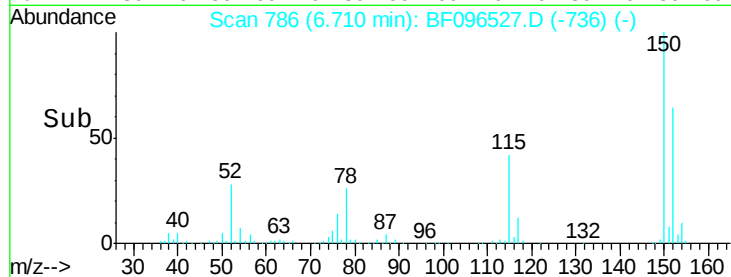
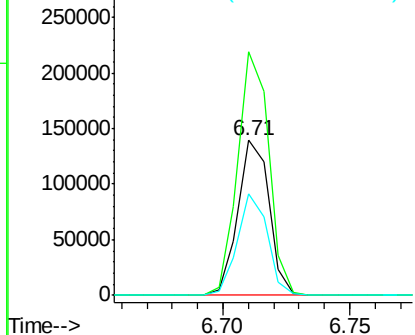
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	65.6	52.2	78.2

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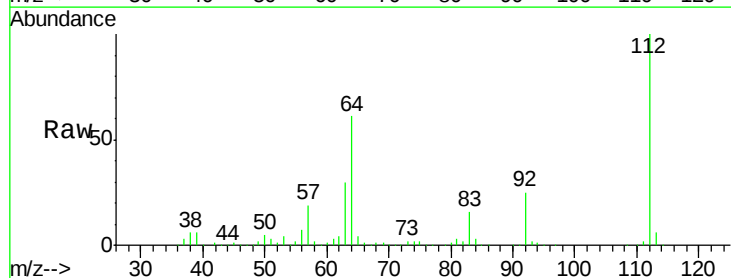
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



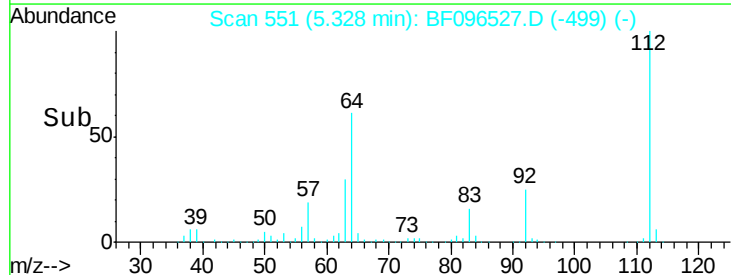
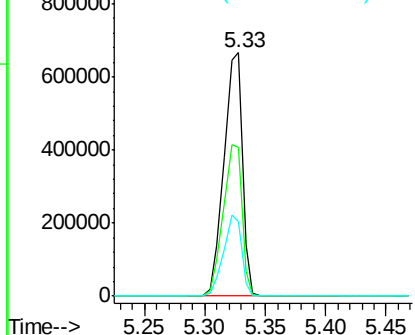
#5

2-Fluorophenol
Concen: 87.721 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	46.0	69.0
63	30.5	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.980 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Instrument :

BNA_F

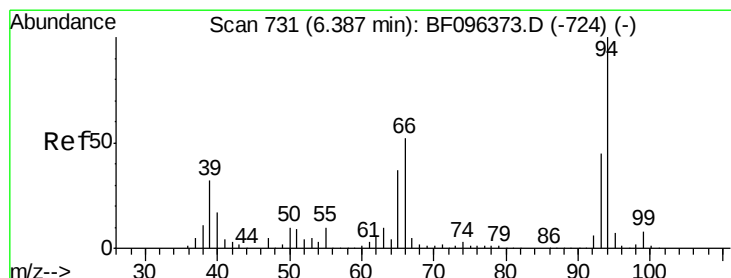
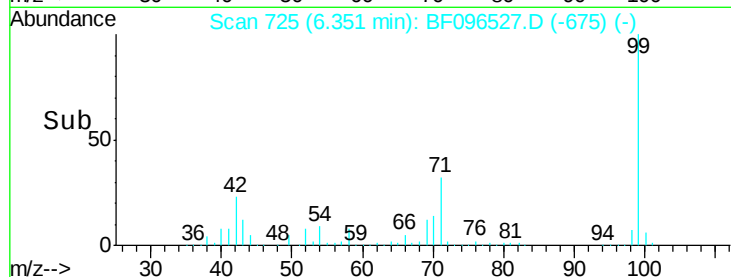
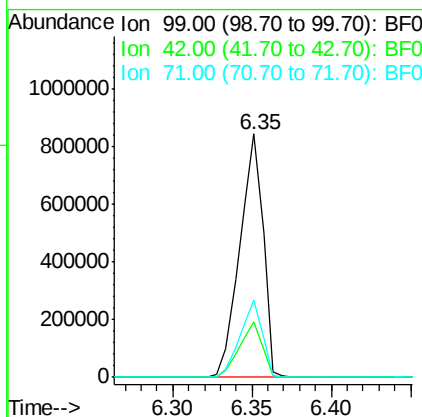
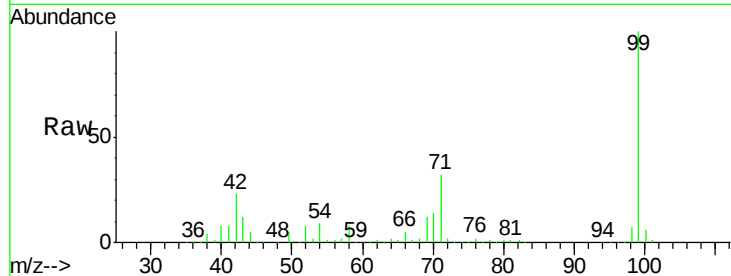
ClientSampleId :

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Tgt Ion:	99	Resp:	855792
Ion Ratio	Lower	Upper	
99	100		
42	22.8	13.5	20.3#
71	31.6	24.5	36.7

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#10

Phenol

Concen: 2.580 ng

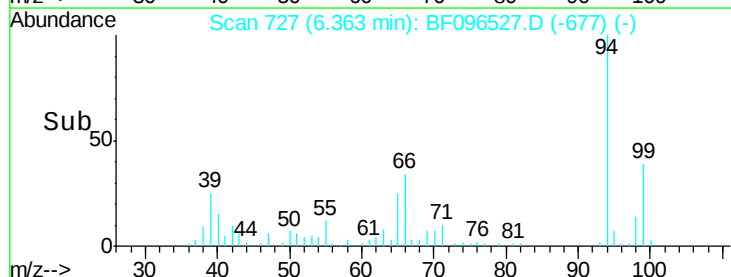
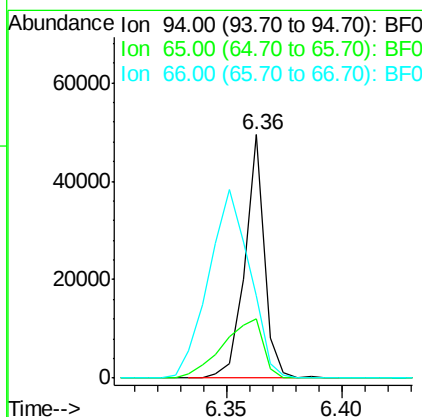
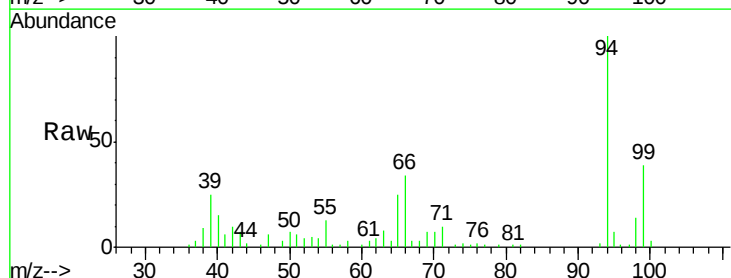
RT: 6.36 min Scan# 727

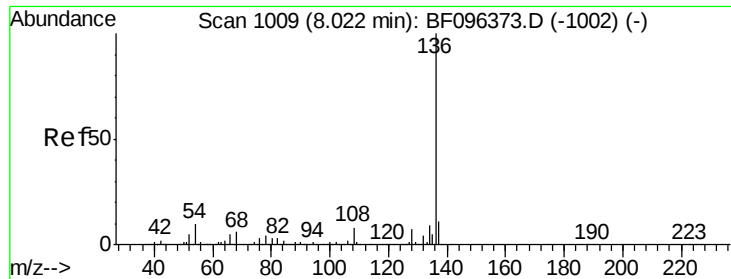
Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Tgt Ion:	94	Resp:	29252
Ion Ratio	Lower	Upper	
94	100		
65	24.6	9.9	49.9
66	34.0	23.1	63.1





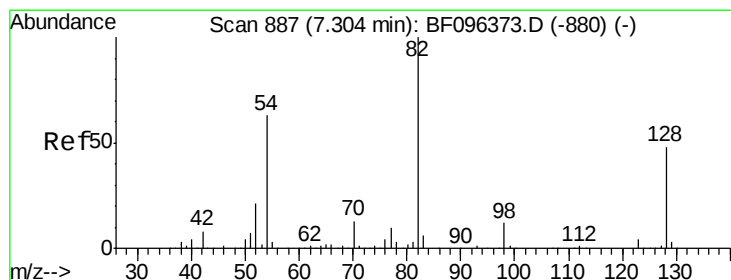
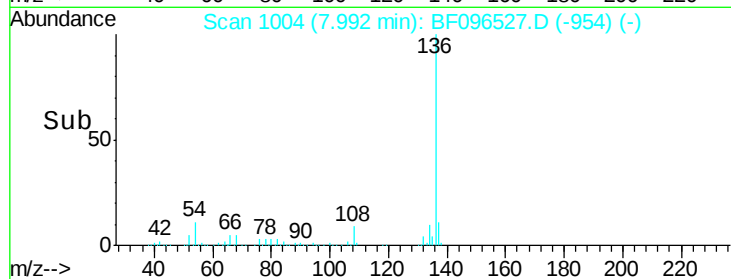
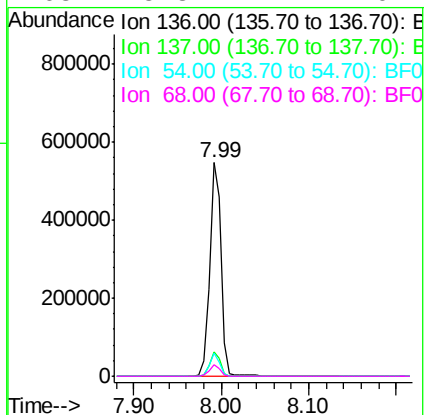
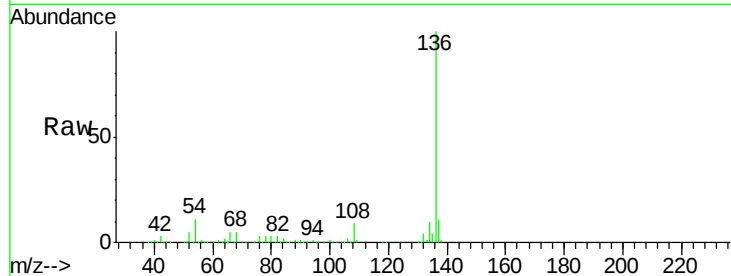
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	489165		
137	11.1	8.5	12.7	
54	10.5	4.9	7.3#	
68	5.3	4.1	6.1	

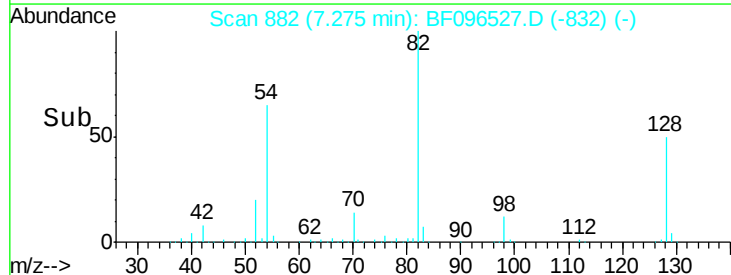
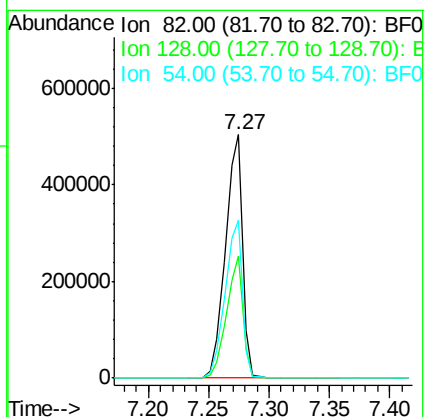
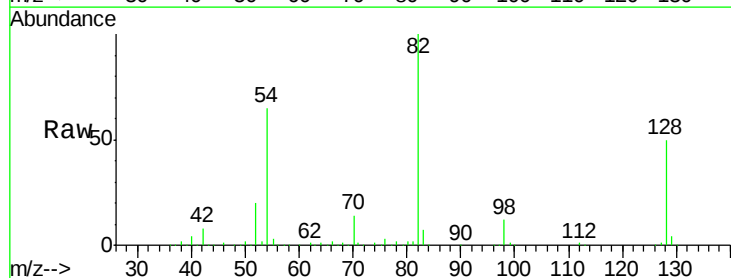
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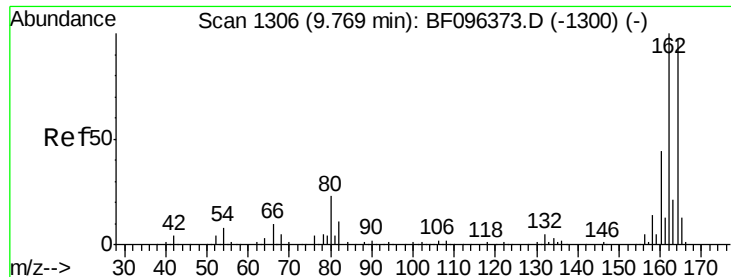
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#23
Nitrobenzene-d5
Concen: 60.467 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	492229		
128	50.3	34.0	51.0	
54	64.8	42.2	63.2#	





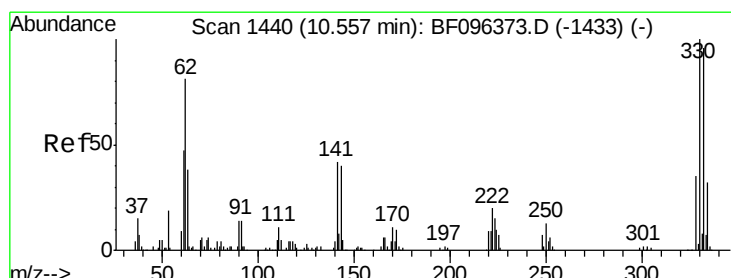
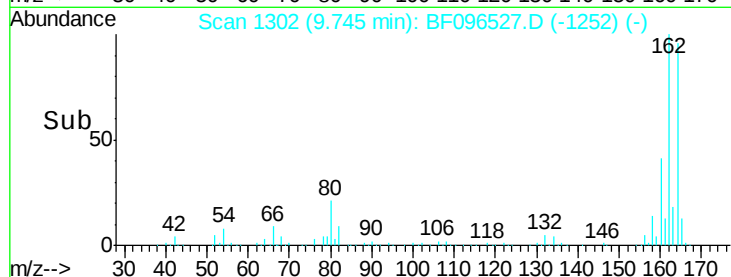
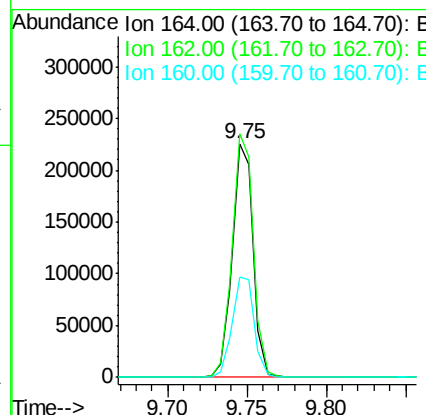
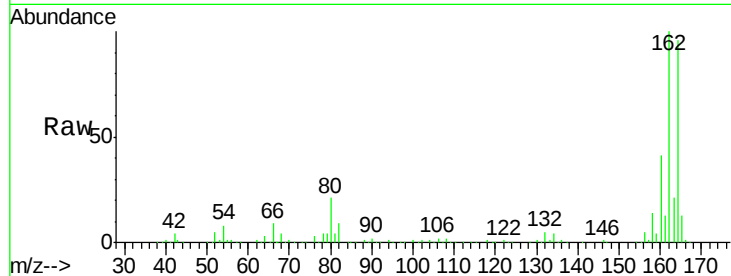
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	205290		
162	104.1	82.6	123.8	
160	43.0	36.2	54.2	

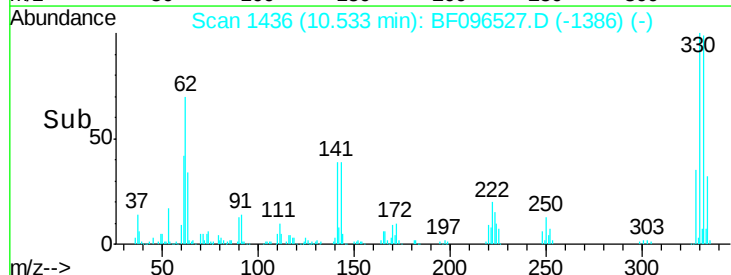
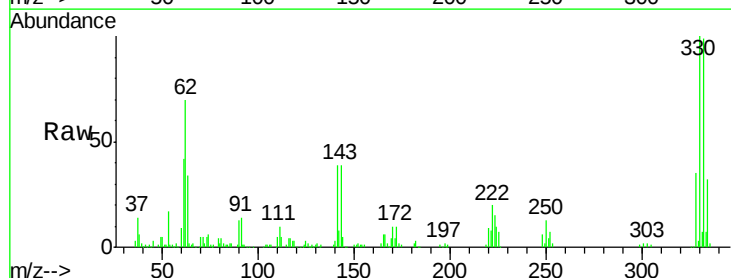
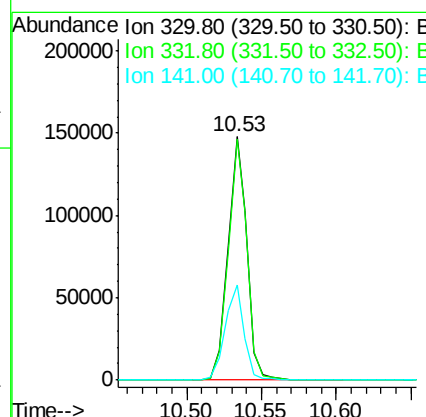
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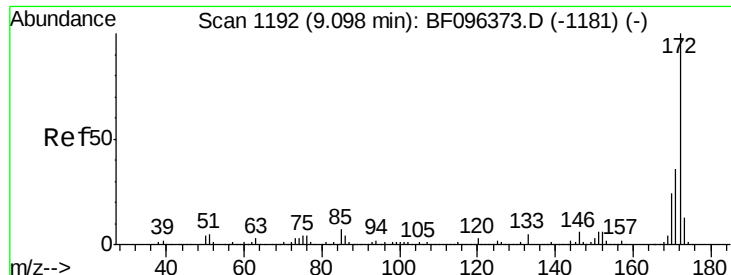
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#41
 2,4,6-Tribromophenol
 Concen: 82.804 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	132782		
332	98.4	76.6	115.0	
141	39.1	31.4	47.2	





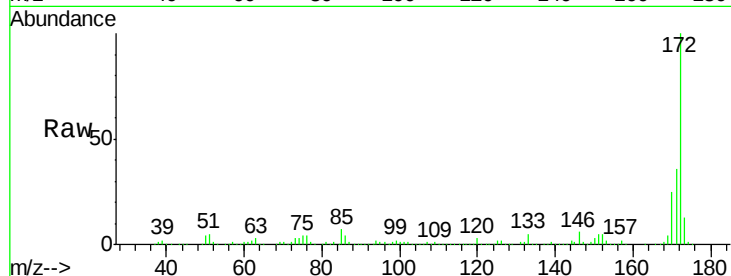
#44
2-Fluorobiphenyl
Concen: 73.031 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

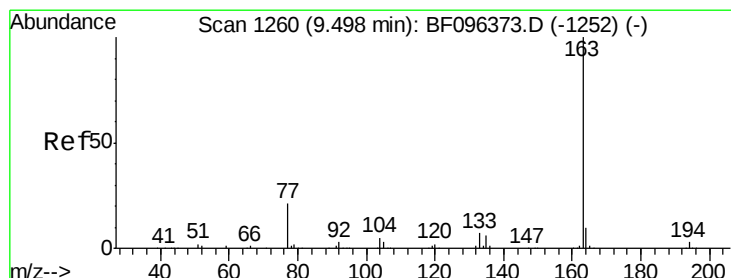
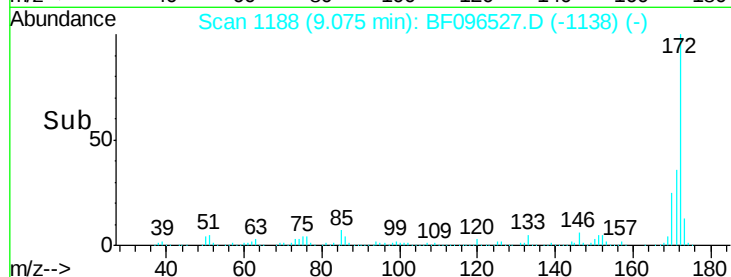
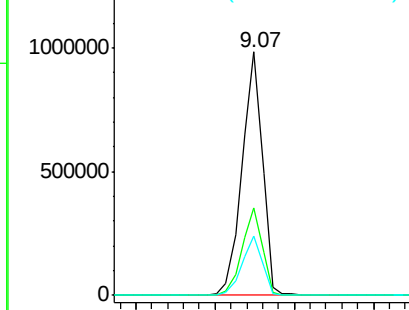
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	876869		
171	35.8		29.6	44.4
170	24.5		19.8	29.8

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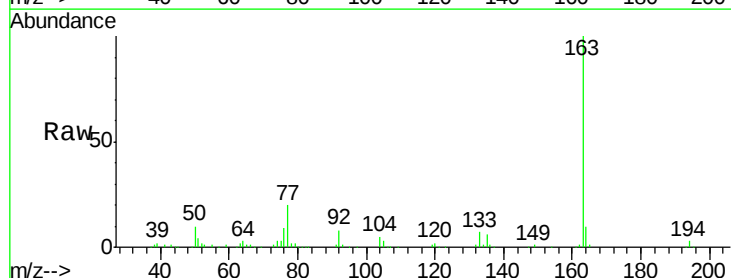


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

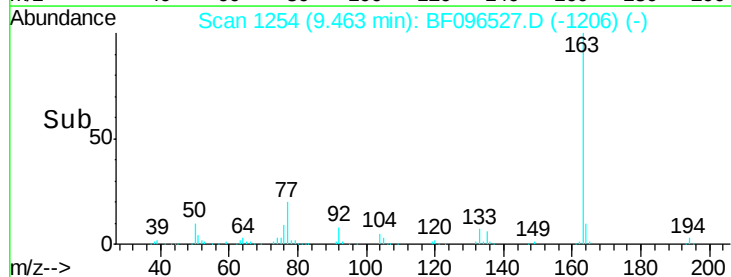
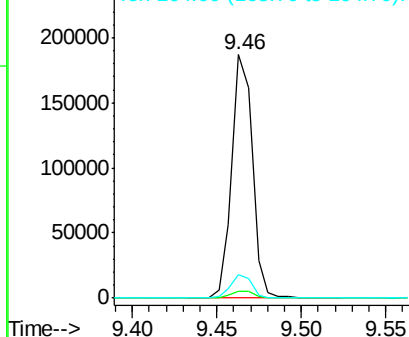


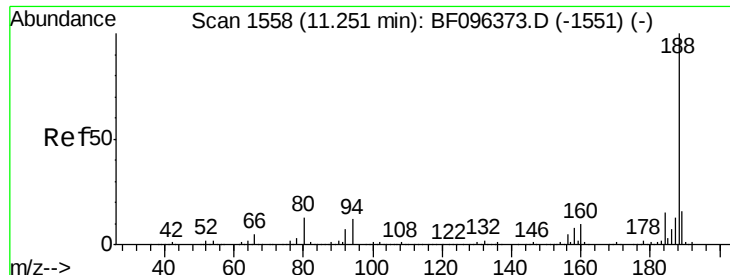
#49
Dimethylphthalate
Concen: 10.370 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	158921		
194	3.0		2.6	4.0
164	9.8		8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Instrument :

BNA_F

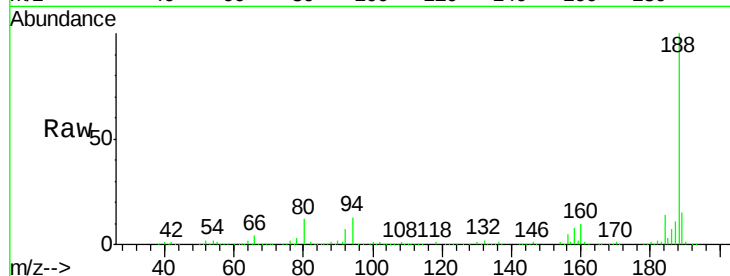
ClientSampleId :

HR-03-070317-C

Tgt Ion:	188	Resp:	328598
Ion Ratio	Lower	Upper	
188	100		
94	12.7	9.4	14.2
80	12.0	10.2	15.2

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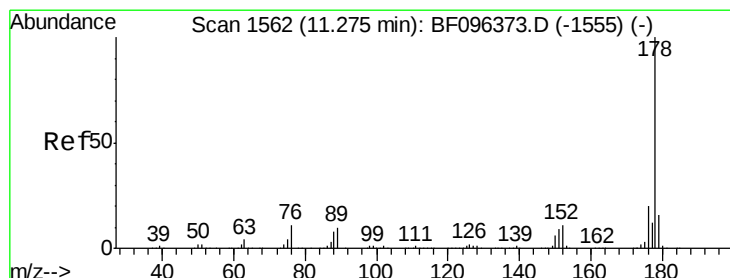
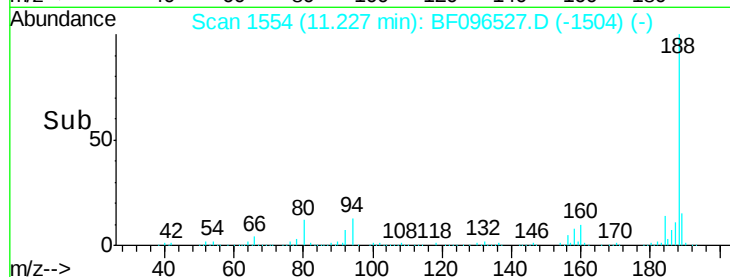
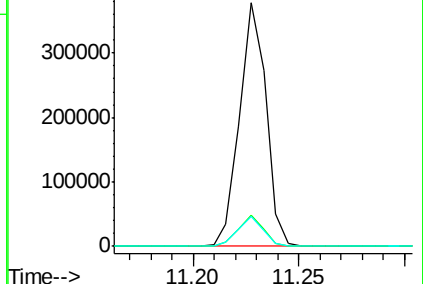
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 8.267 ng

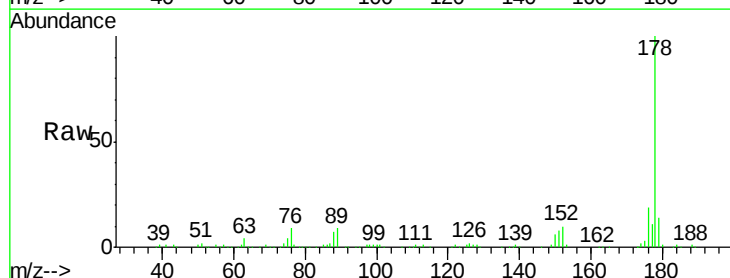
RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

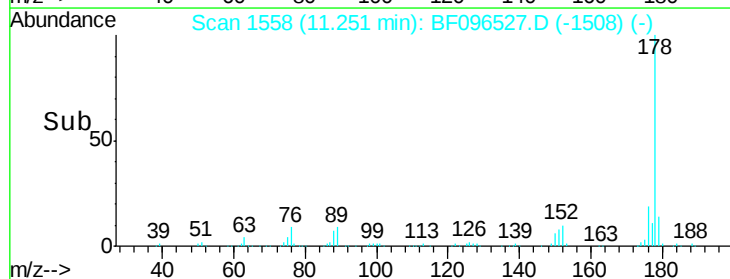
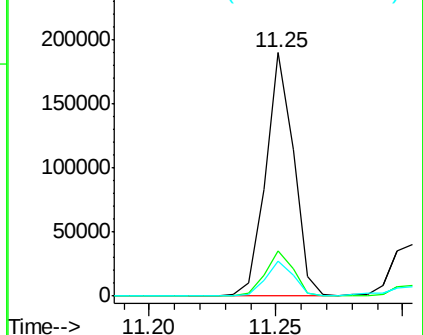
Tgt Ion:	178	Resp:	146857
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.2	24.4
179	14.3	12.6	19.0

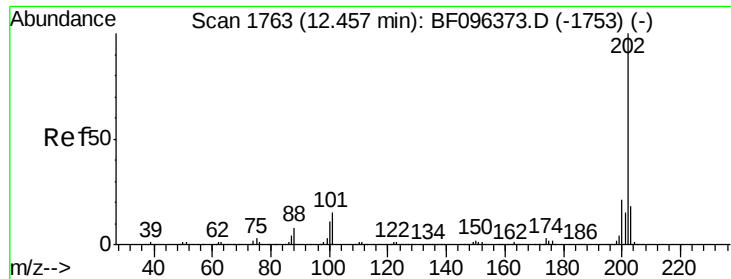


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.944 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Instrument :

BNA_F

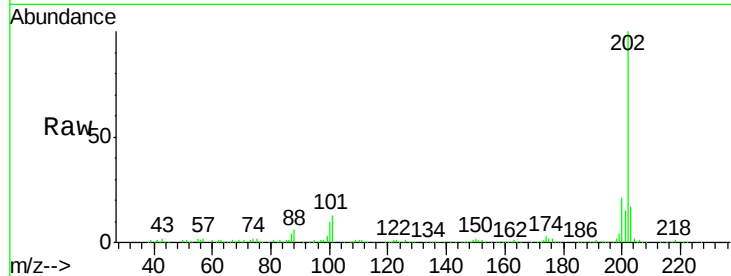
ClientSampleId :

HR-03-070317-C

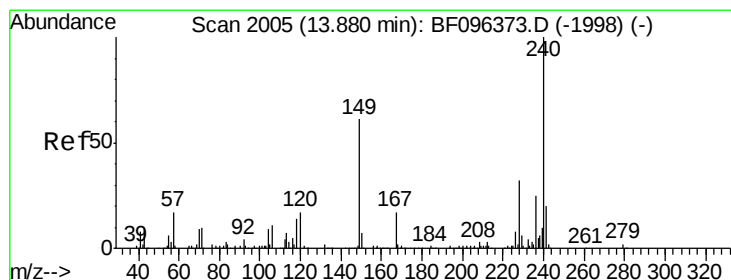
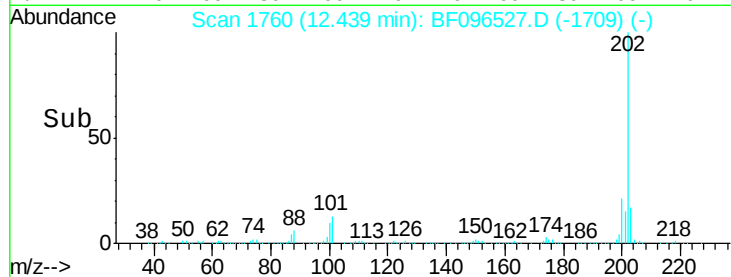
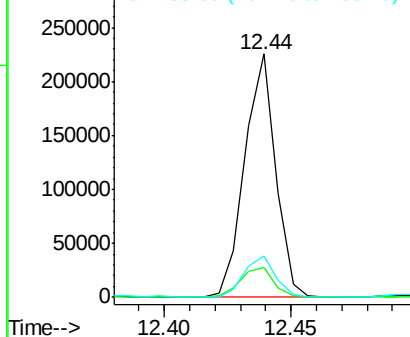
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		190598		
101	12.5	0.0	33.2		
203	17.2	0.0	38.1		

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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



#75

Chrysene-d12

Concen: 20.000 ng

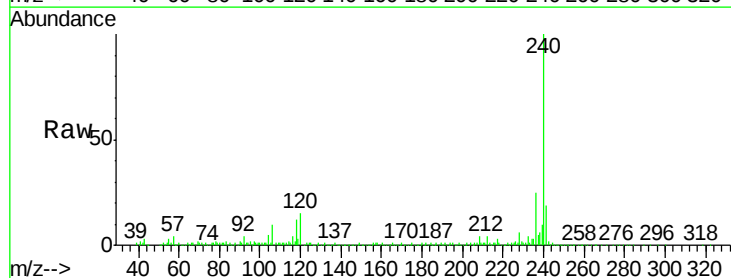
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

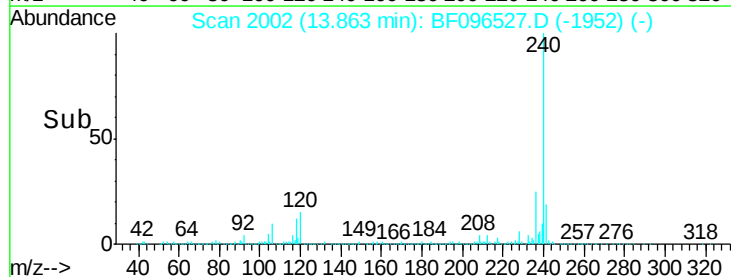
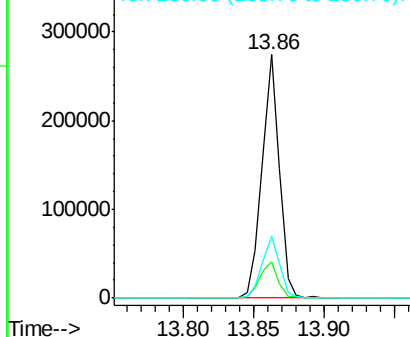
Lab File: BF096527.D

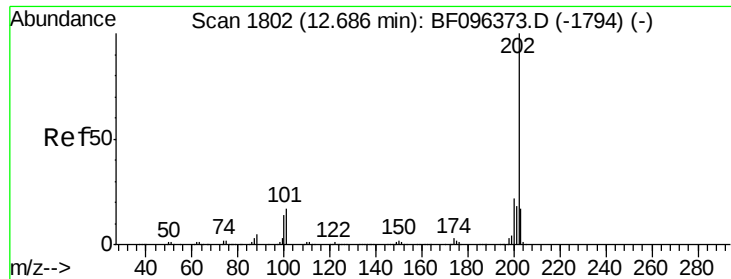
Acq: 6 Jul 2017 12:31

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		243155		
120	14.9	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





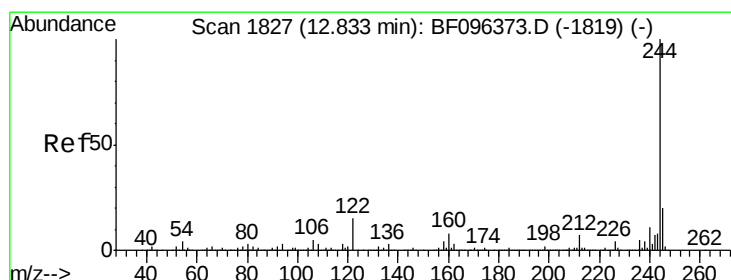
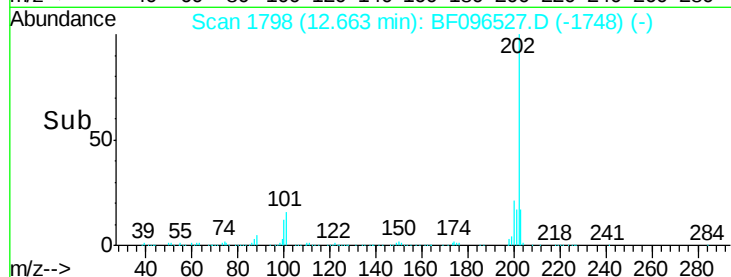
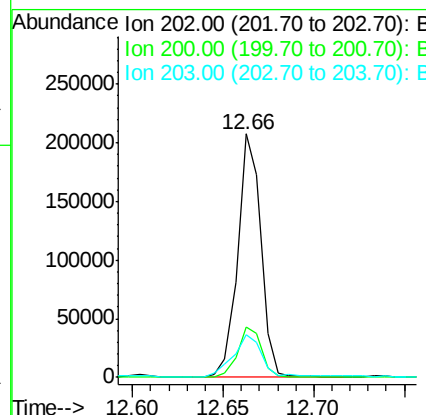
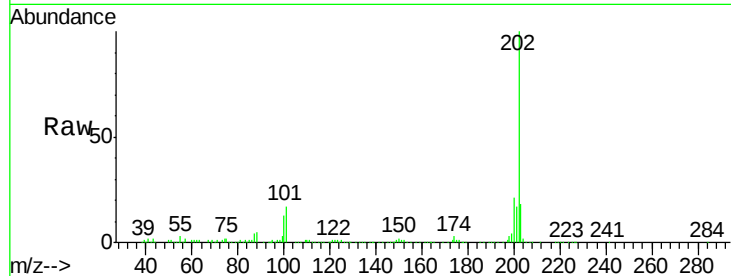
#77
 Pyrene
 Concen: 9.411 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	17.6	26.4
203	17.6	14.4	21.6

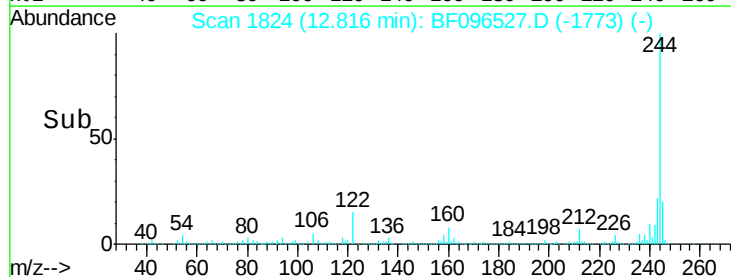
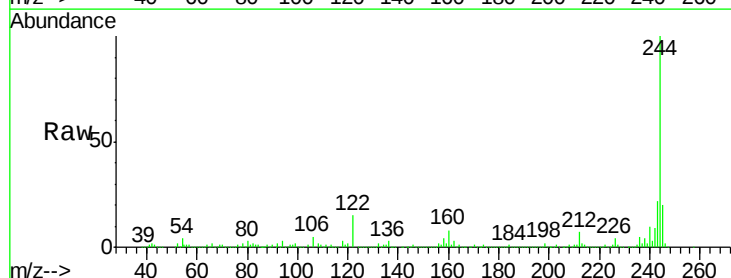
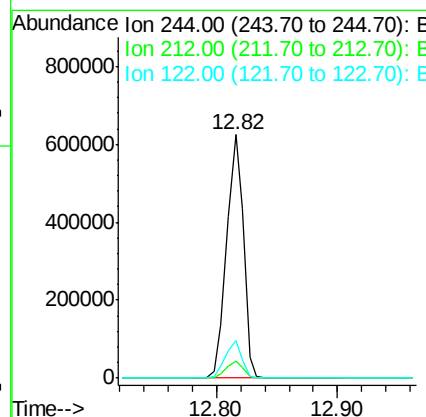
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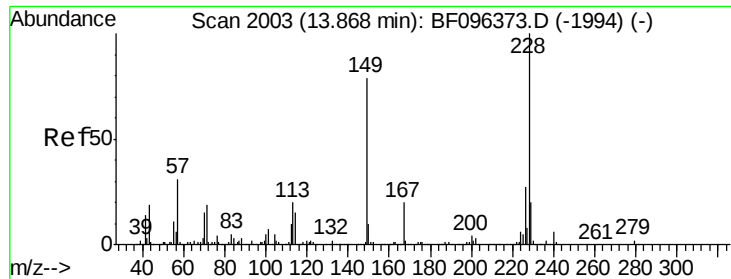
mohammad
 7/7/2017 1:29:52 PM



#78
 Terphenyl-d14
 Concen: 52.540 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	6.0	9.0
122	15.2	10.3	15.5





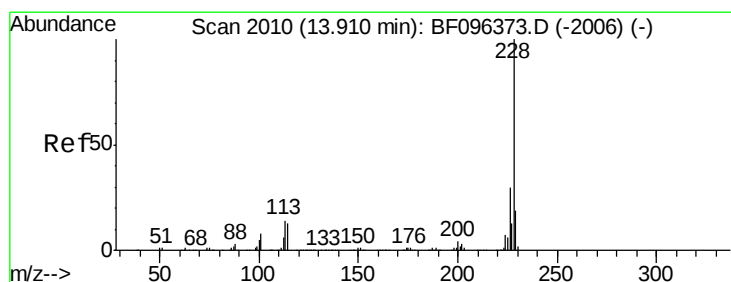
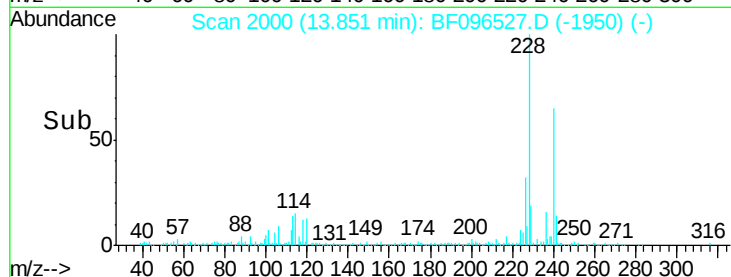
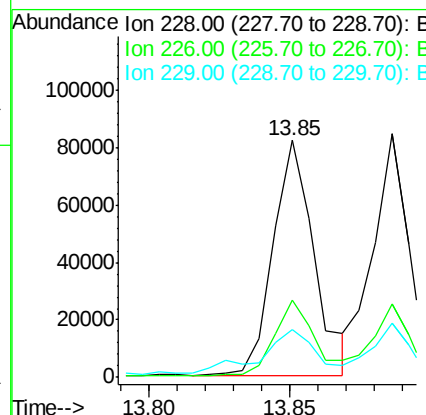
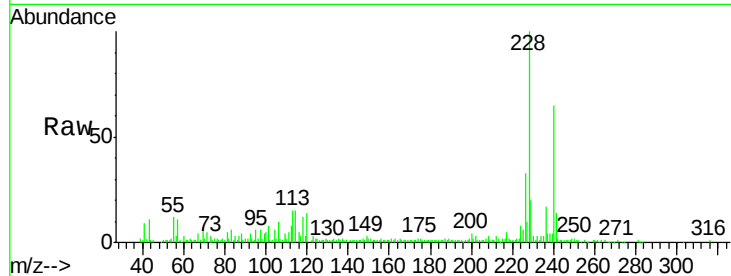
#80
Benzo(a)anthracene
Concen: 5.933 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	20.3	16.3	24.5

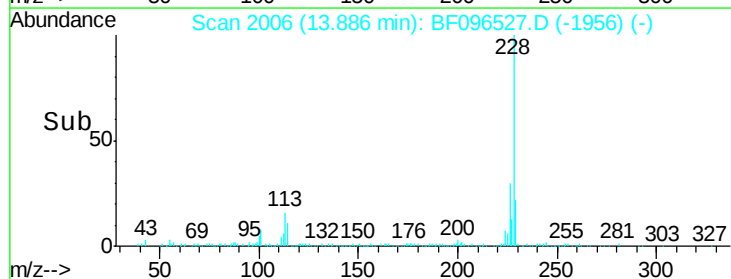
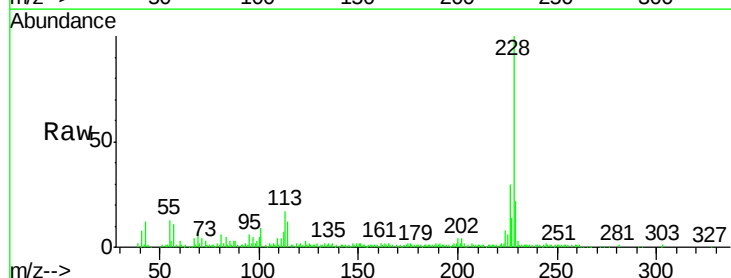
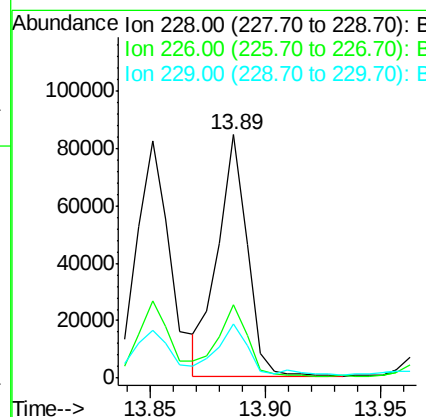
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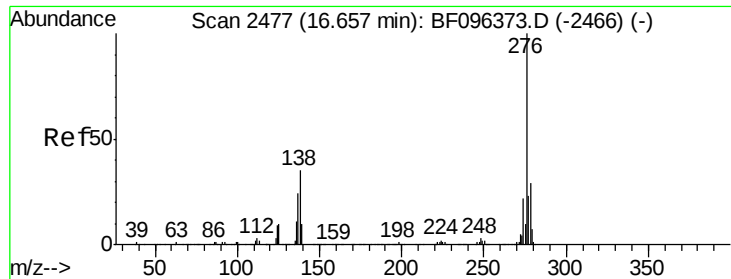
mohammad
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#82
Chrysene
Concen: 5.067 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	22.5	15.8	23.6





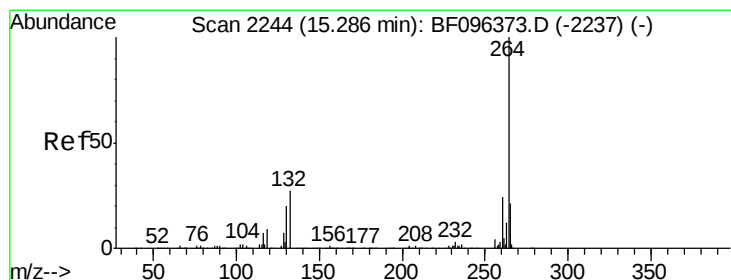
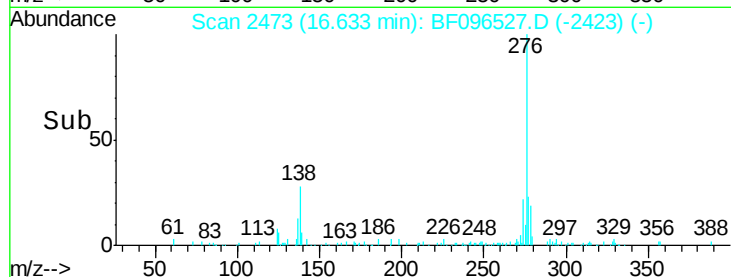
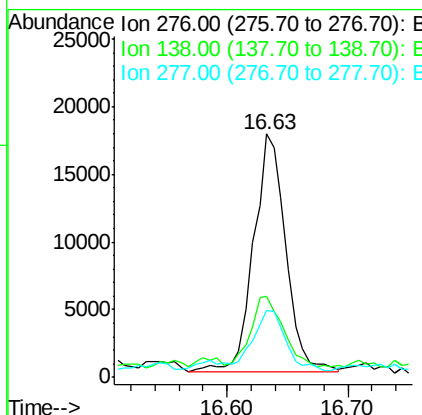
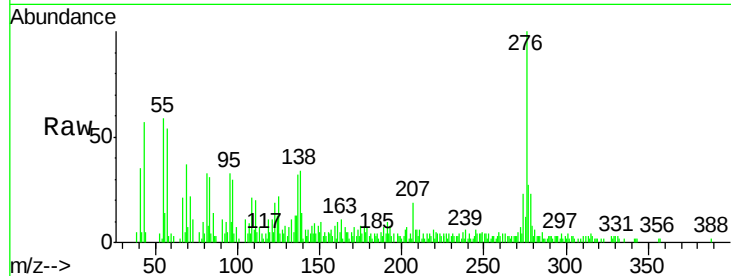
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.791 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.3	27.8	41.6
277	25.8	20.2	30.4

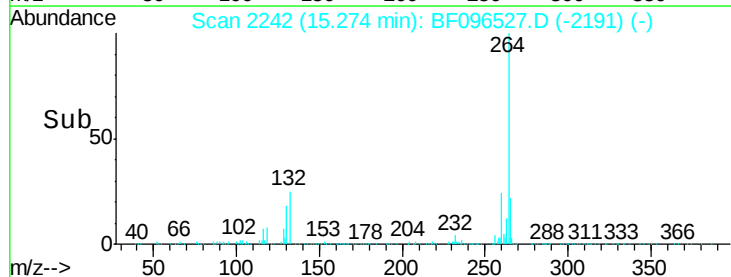
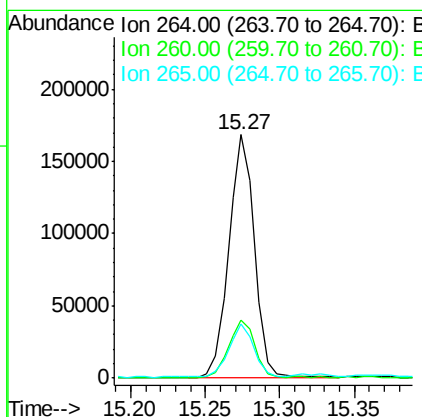
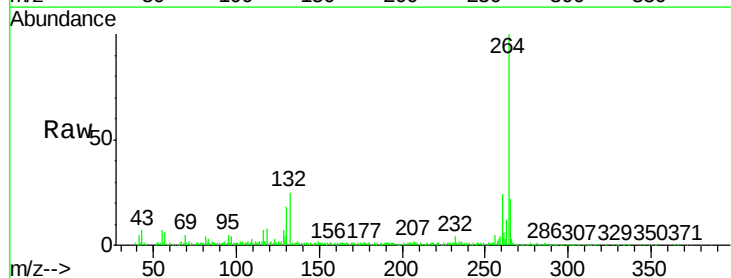
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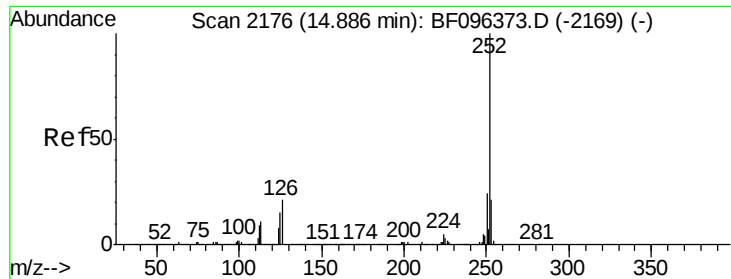
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.107 ng m

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Instrument :

BNA_F

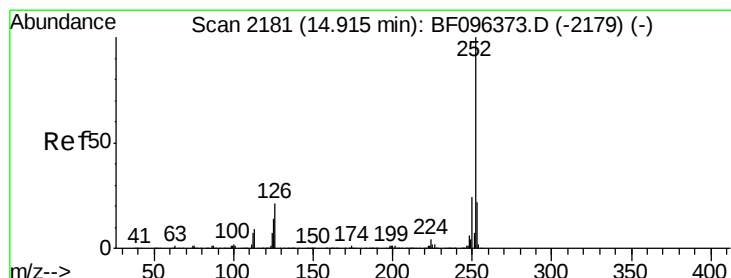
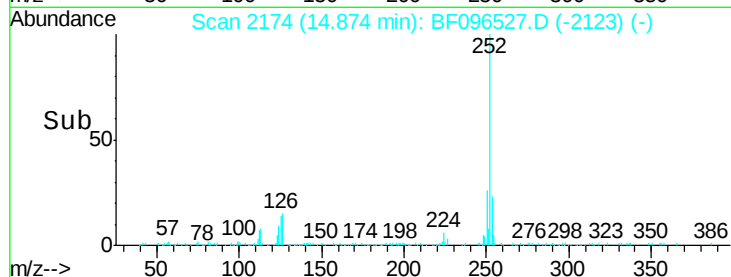
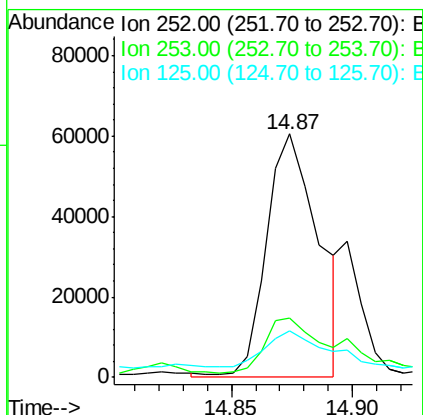
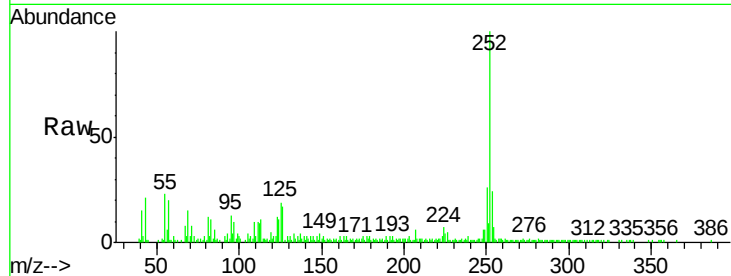
ClientSampleId :

HR-03-070317-C

Tgt Ion:	252	Resp:	89843
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.1	27.1
125	19.0	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 2.057 ng m

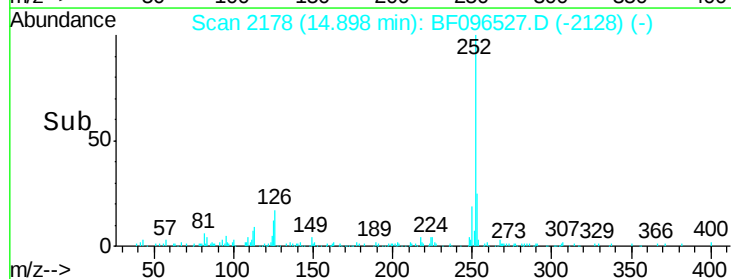
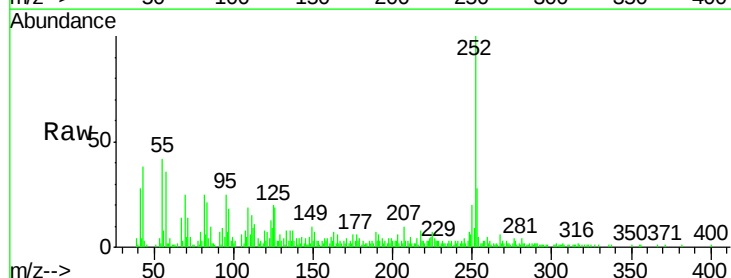
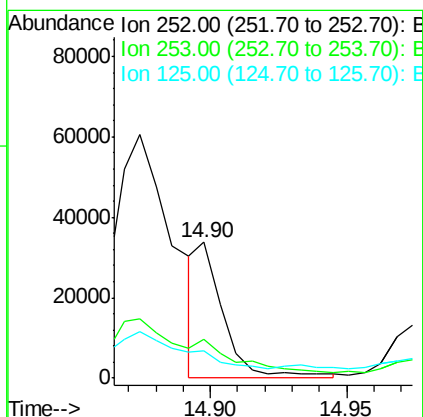
RT: 14.90 min Scan# 2178

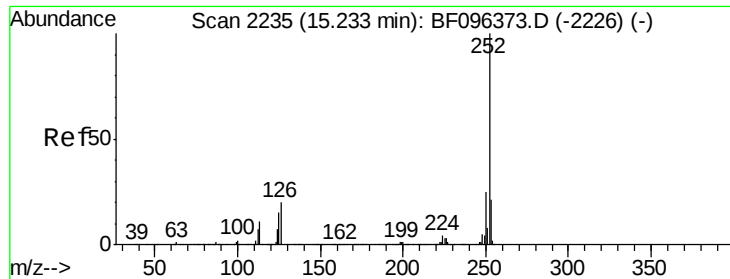
Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Tgt Ion:	252	Resp:	23258
Ion Ratio	Lower	Upper	
252	100		
253	28.5	18.4	27.6#
125	19.9	13.1	19.7#





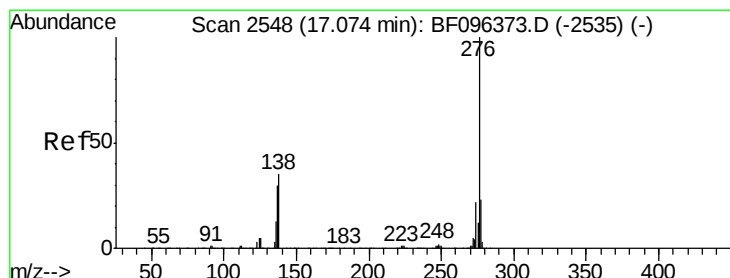
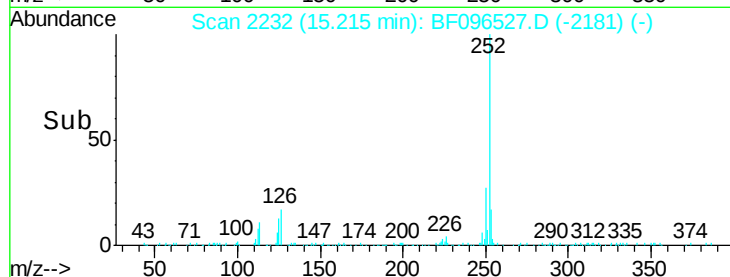
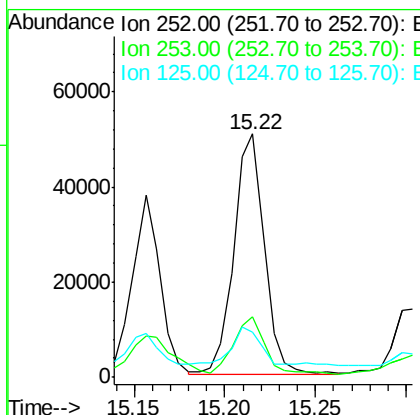
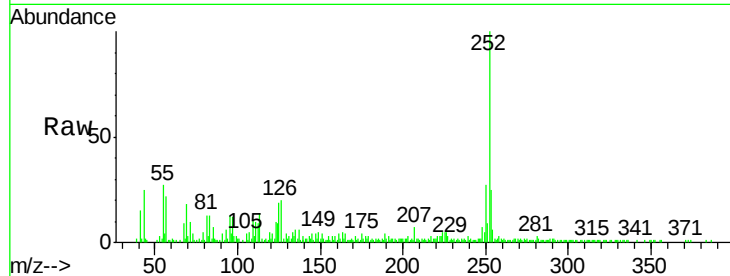
#89
Benzo(a)pyrene
Concen: 5.275 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	18.6	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 3.413 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	31.9	25.4	38.0

