

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096531.D
 Acq On : 6 Jul 2017 14:20
 Operator : SJ/MA
 Sample : I4053-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 CL-02-070317-D

Manual Integrations
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Quant Time: Jul 06 19:06:20 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	6.72	152	119486	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	477364	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	190611	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	279119	20.00	ng	0.00
75) Chrysene-d12	13.87	240	222723	20.00	ng	0.00
86) Perylene-d12	15.29	264	187631	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	729838	90.15	ng	0.00
7) Phenol-d6	6.36	99	878768	88.30	ng	0.00
23) Nitrobenzene-d5	7.27	82	498829	62.79	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	129848	87.21	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	865650	77.65	ng	0.00
78) Terphenyl-d14	12.82	244	529201	50.77	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.36	94	29453	2.598	ng	98
31) Naphthalene	8.02	128	67448	2.993	ng	98
37) 2-Methylnaphthalene	8.71	142	57761	4.026	ng	98
48) Acenaphthylene	9.61	152	82389	4.272	ng	98
49) Dimethylphthalate	9.47	163	218082	15.326	ng	98
51) Acenaphthene	9.78	154	49508	4.165	ng	96
54) Dibenzofuran	9.95	168	44221	2.817	ng	# 95
57) Fluorene	10.29	166	104118	9.393	ng	97
70) Phenanthrene	11.26	178	439660	29.139	ng	98
71) Anthracene	11.30	178	137780	8.961	ng	98
74) Fluoranthene	12.44	202	370398	25.038	ng	99
77) Pyrene	12.67	202	422981	23.660	ng	100
80) Benzo(a)anthracene	13.86	228	215973m	16.745	ng	
82) Chrysene	13.89	228	195273	14.458	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	140885	13.215	ng	94
87) Benzo(b)fluoranthene	14.89	252	281657m	23.957	ng	
88) Benzo(k)fluoranthene	14.90	252	95984m	9.127	ng	
89) Benzo(a)pyrene	15.23	252	230862	21.994	ng	99
90) Dibenzo(a,h)anthracene	16.66	278	35291	4.274	ng	# 73
91) Benzo(g,h,i)perylene	17.06	276	132879	15.529	ng	99

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

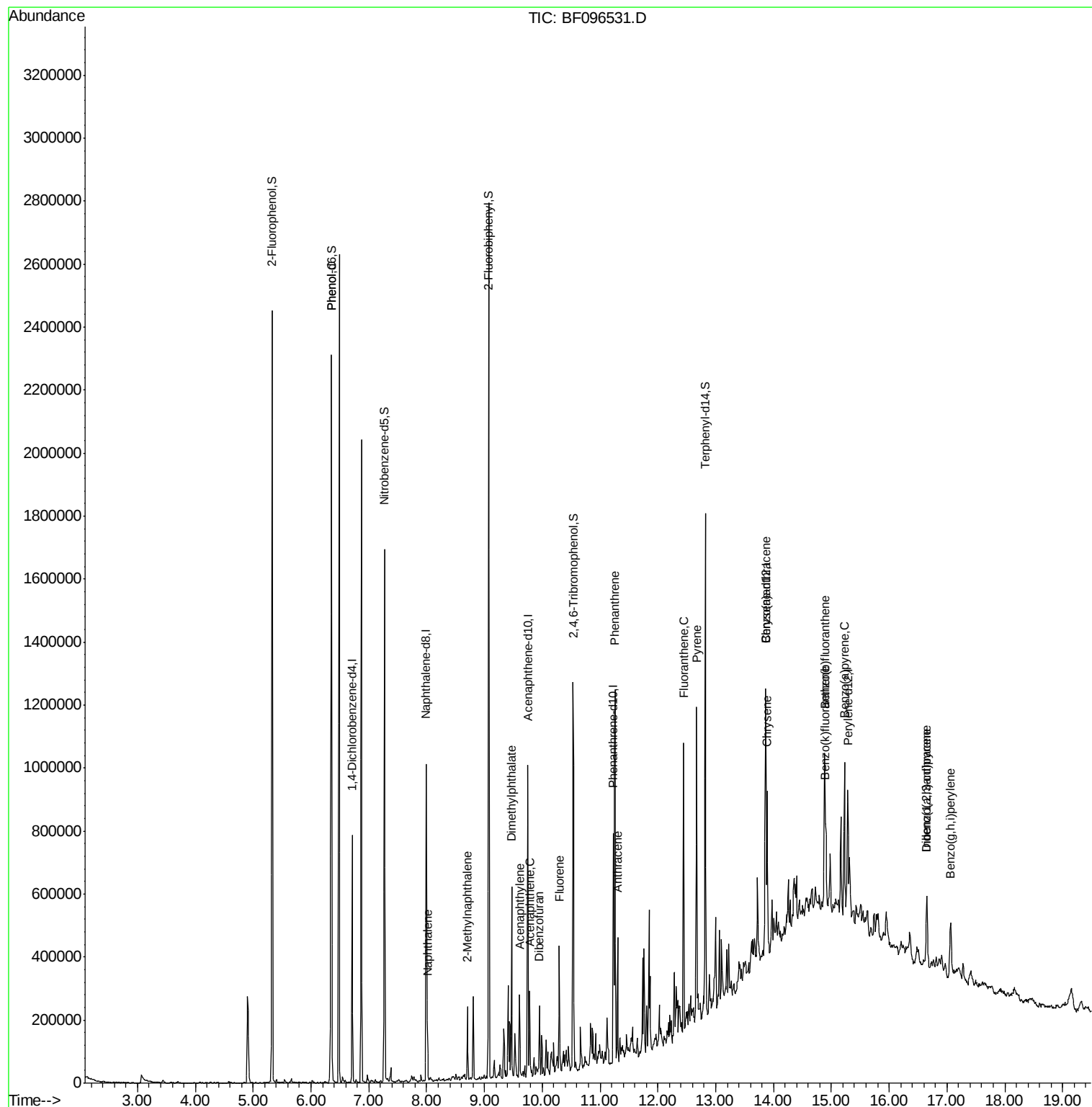
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
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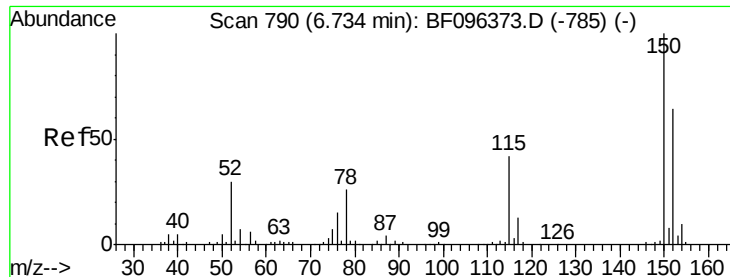
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Quant Time: Jul 06 19:06:20 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

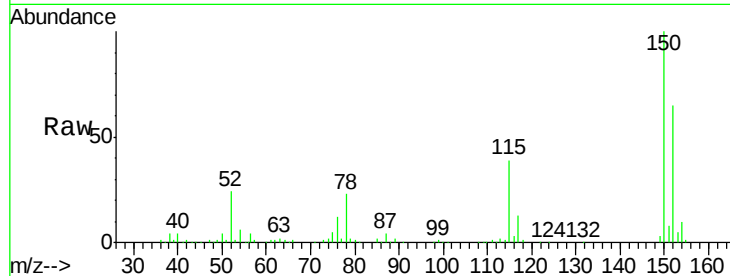
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-D

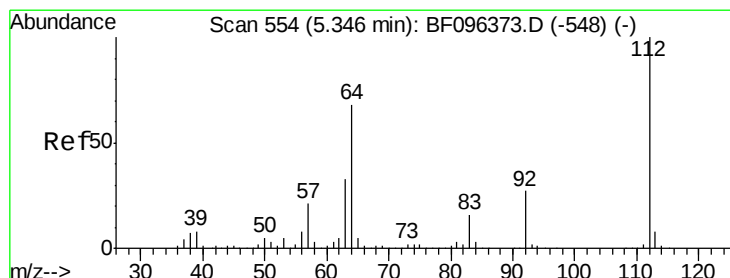
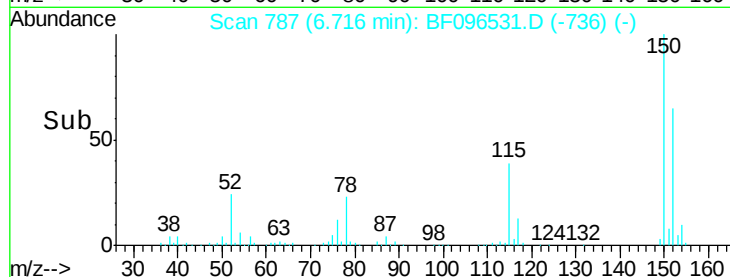
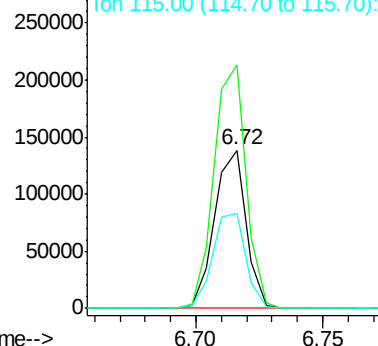
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.2
115	60.3	52.2	78.2

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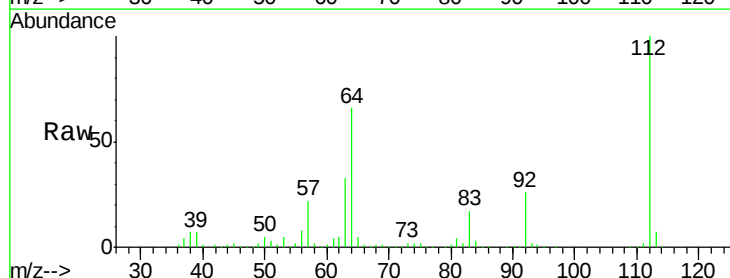
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



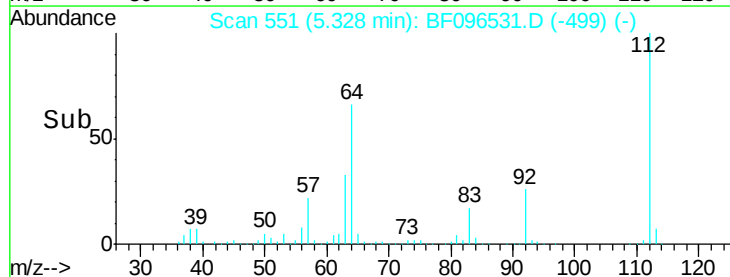
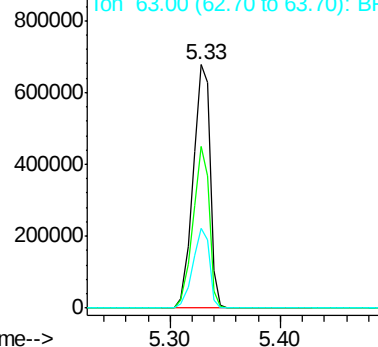
#5

2-Fluorophenol
Concen: 90.154 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.0	69.0
63	32.7	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: 88.298 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Instrument :

BNA_F

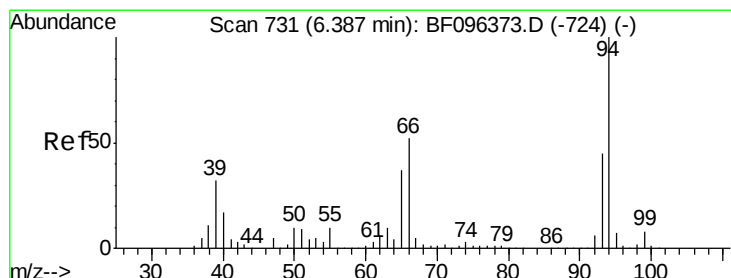
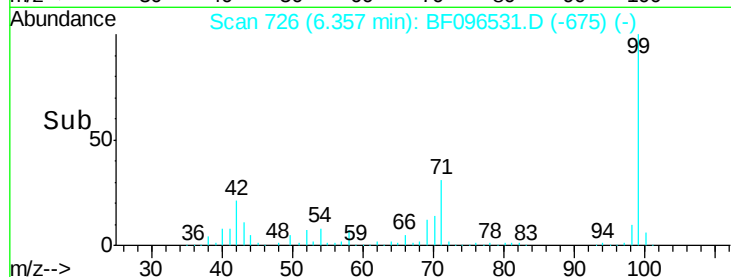
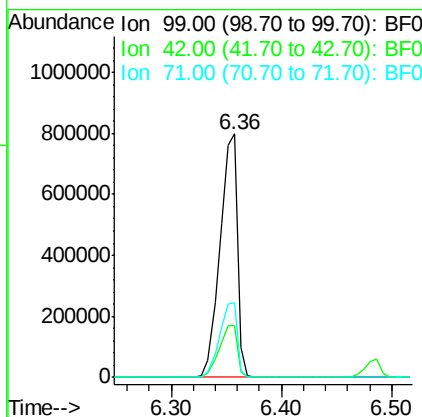
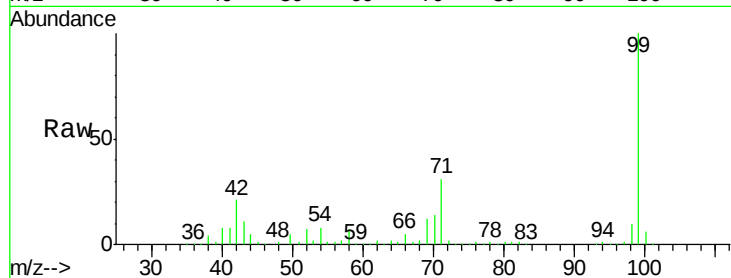
ClientSampleId :

CL-02-070317-D

Tgt Ion:	99	Resp:	878768
Ion	Ratio	Lower	Upper
99	100		
42	21.0	13.5	20.3#
71	30.8	24.5	36.7

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#10

Phenol

Concen: 2.598 ng

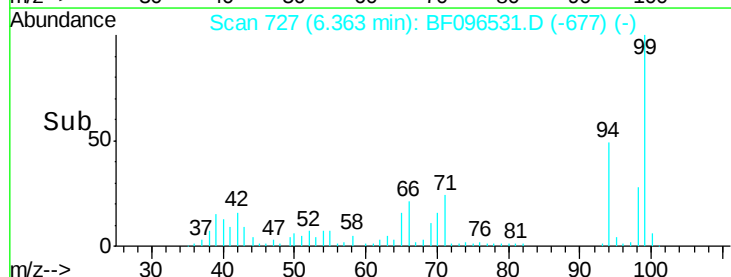
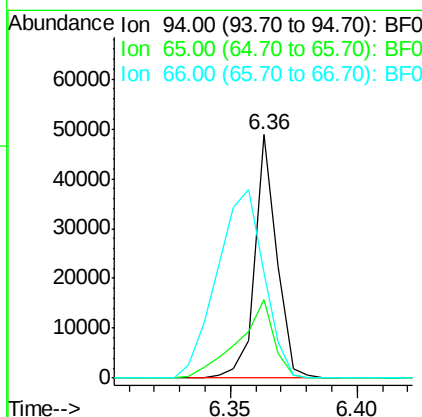
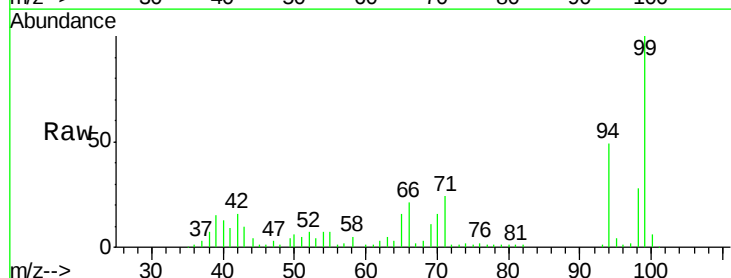
RT: 6.36 min Scan# 727

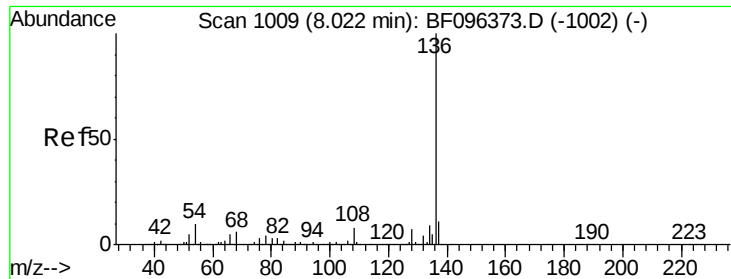
Delta R.T. -0.01 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Tgt Ion:	94	Resp:	29453
Ion	Ratio	Lower	Upper
94	100		
65	32.4	9.9	49.9
66	43.5	23.1	63.1





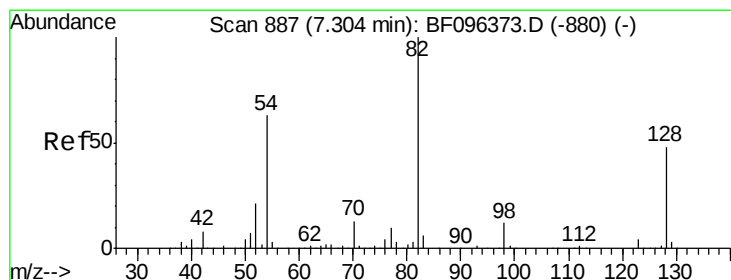
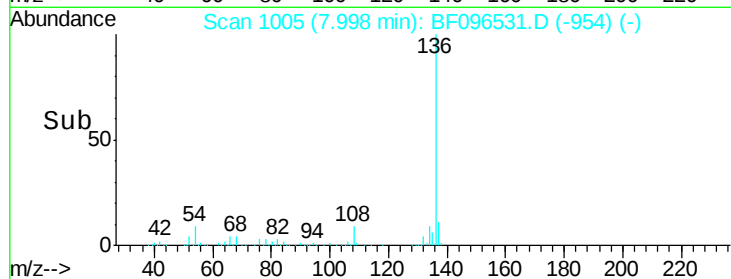
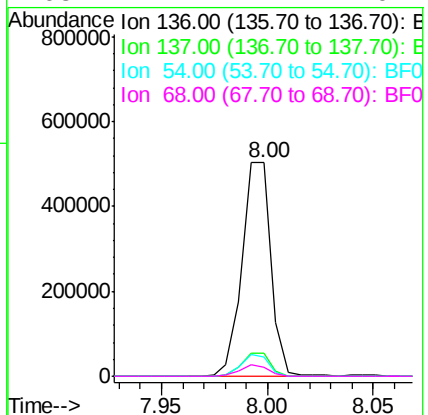
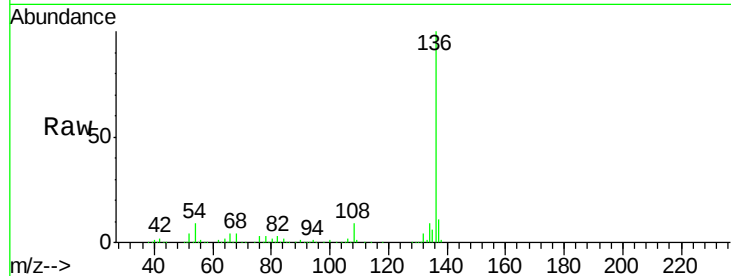
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-D

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	477364		
137	11.0	8.5	12.7	
54	8.9	4.9	7.3#	
68	4.2	4.1	6.1	

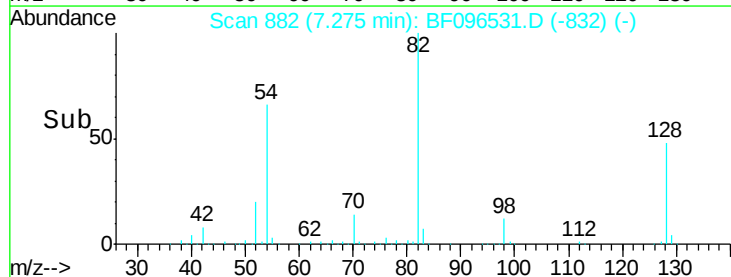
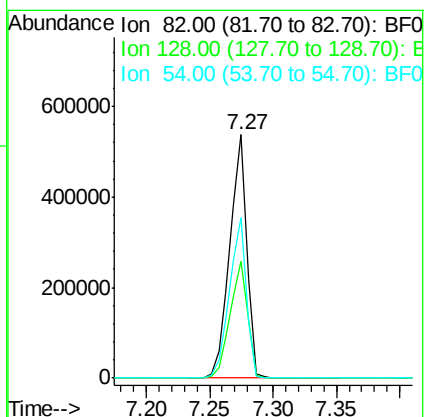
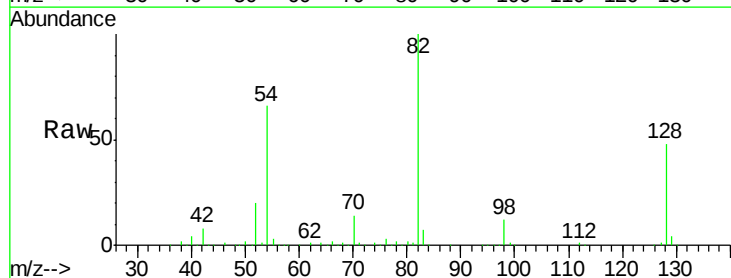
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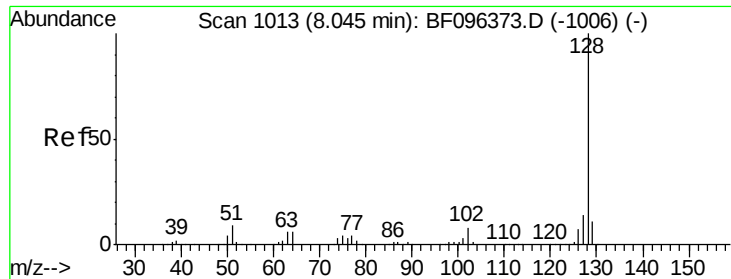
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#23
Nitrobenzene-d5
Concen: 62.793 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	498829		
128	47.9	34.0	51.0	
54	65.8	42.2	63.2#	





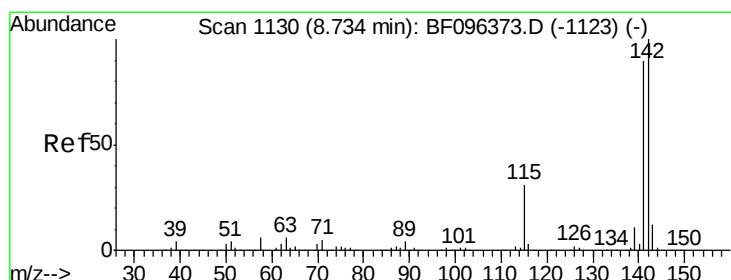
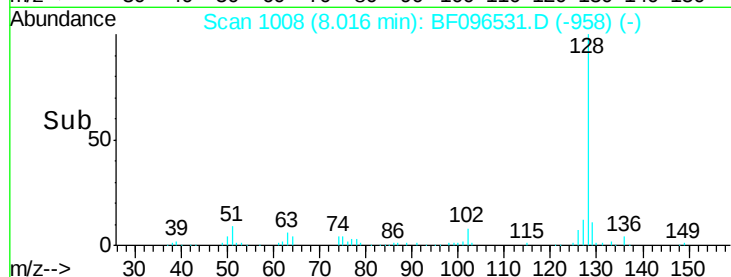
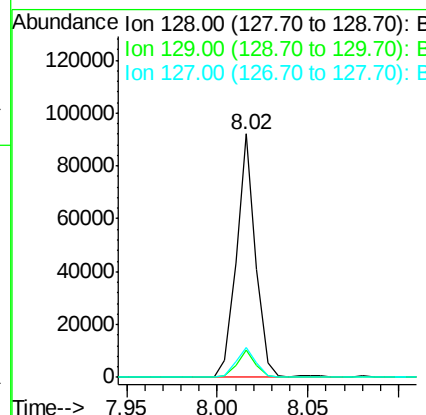
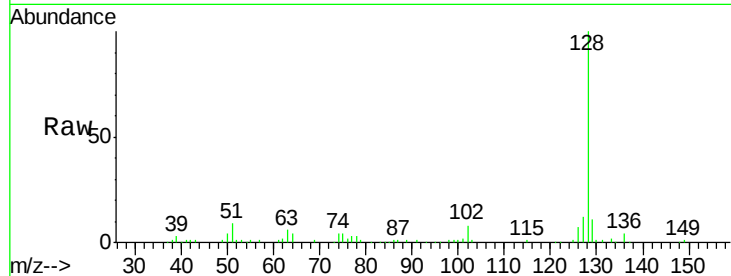
#31
Naphthalene
Concen: 2.993 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-D

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.3	10.8	16.2

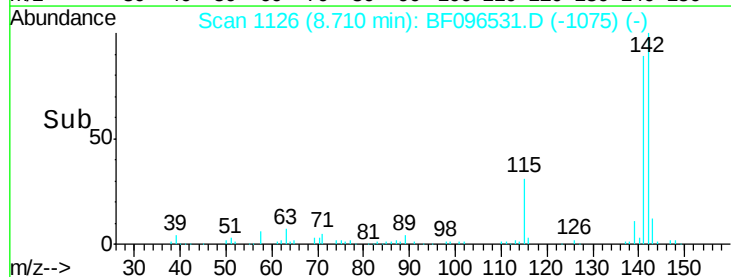
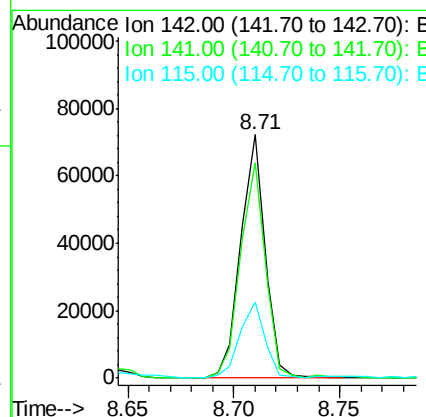
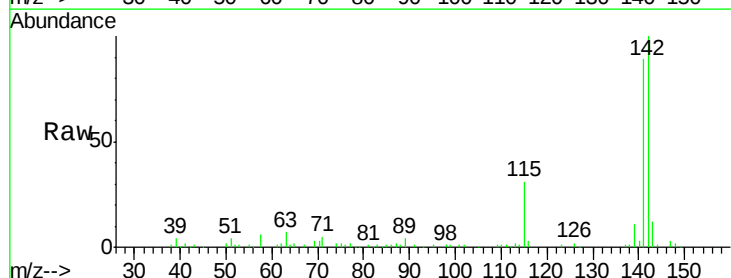
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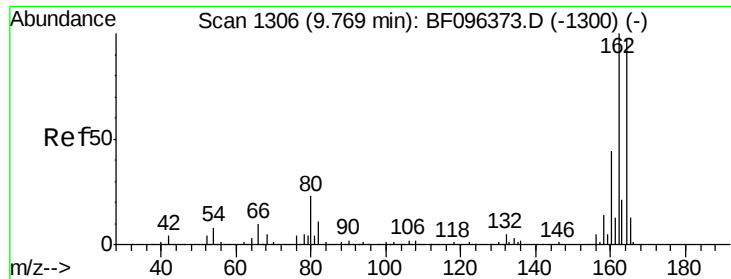
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#37
2-Methylnaphthalene
Concen: 4.026 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9
115	31.0	27.1	40.7





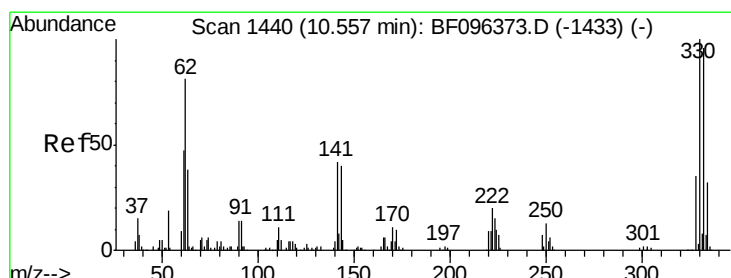
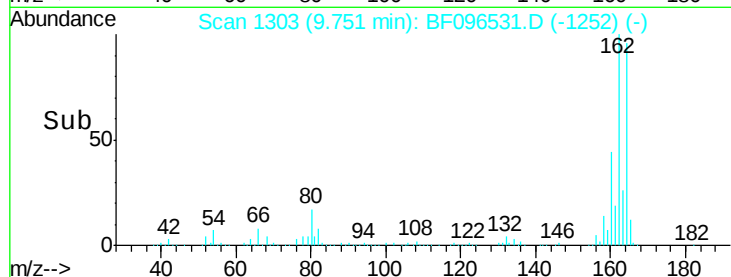
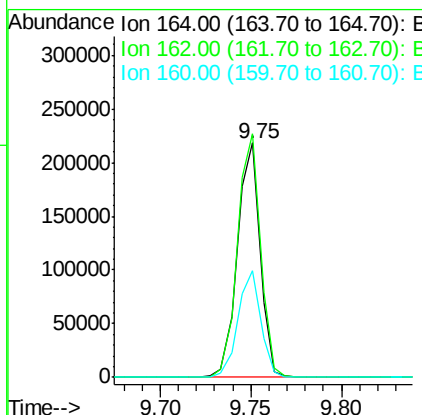
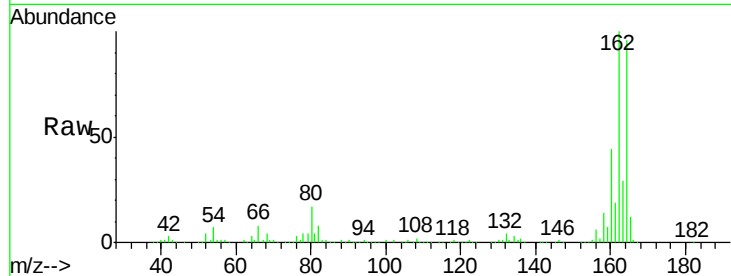
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF096531.D
 Acq: 6 Jul 2017 14:20

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070317-D

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	190611		
162	103.9	82.6	123.8	
160	45.7	36.2	54.2	

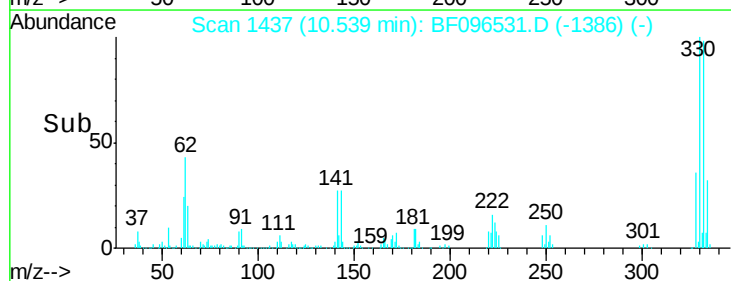
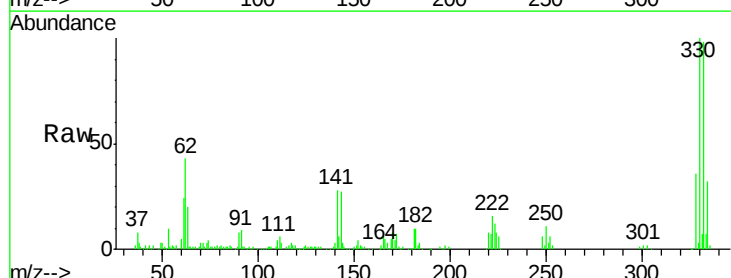
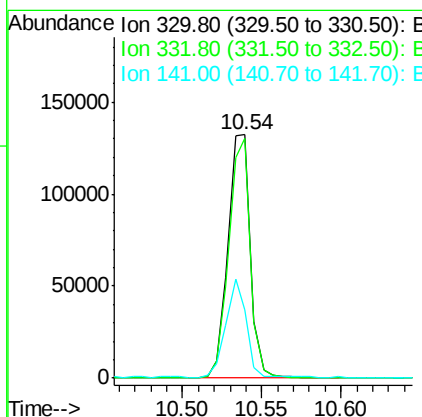
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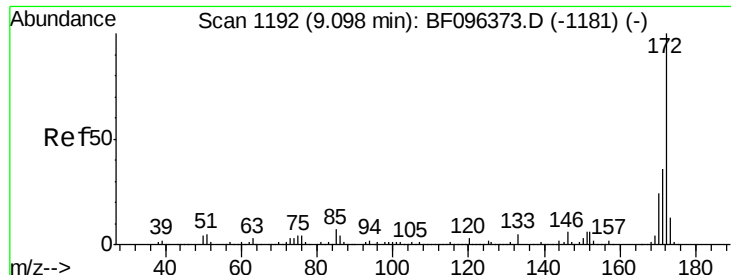
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#41
 2,4,6-Tribromophenol
 Concen: 87.210 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.00 min
 Lab File: BF096531.D
 Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	129848		
332	94.7	76.6	115.0	
141	36.3	31.4	47.2	





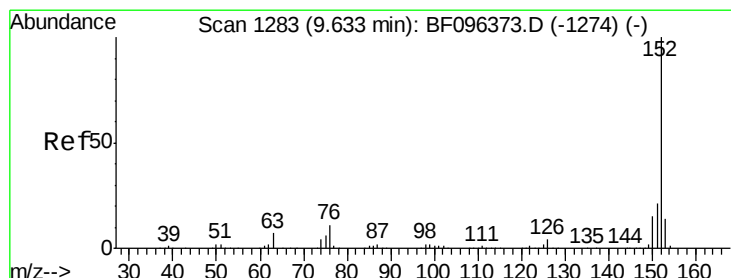
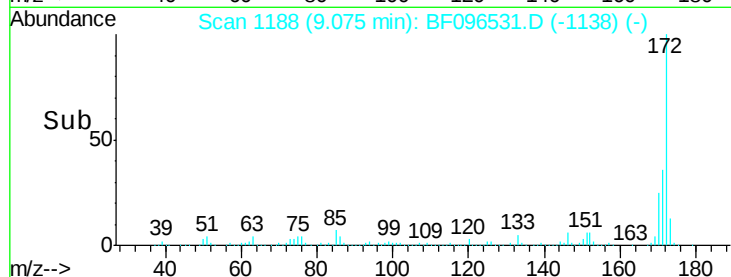
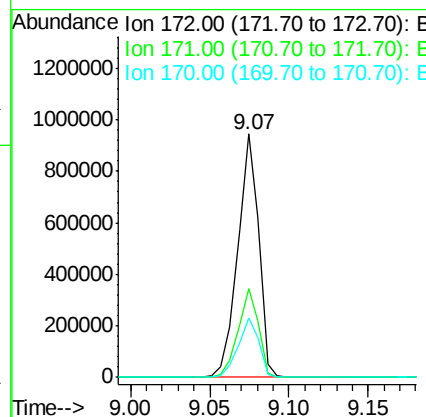
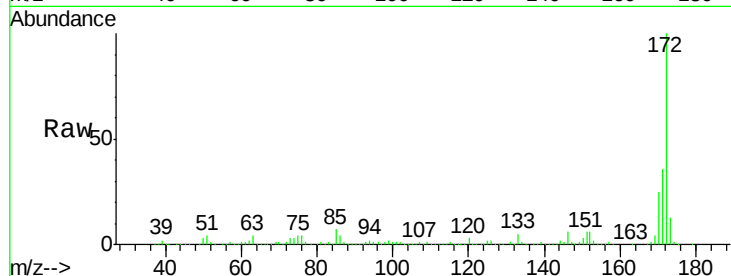
#44
 2-Fluorobiphenyl
 Concen: 77.648 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096531.D
 Acq: 6 Jul 2017 14:20

Instrument :
 BNA_F
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 CL-02-070317-D

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.5	19.8	29.8

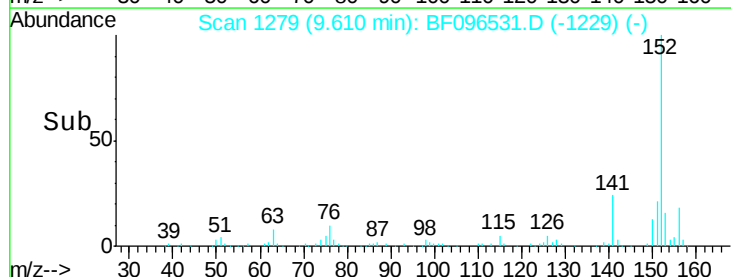
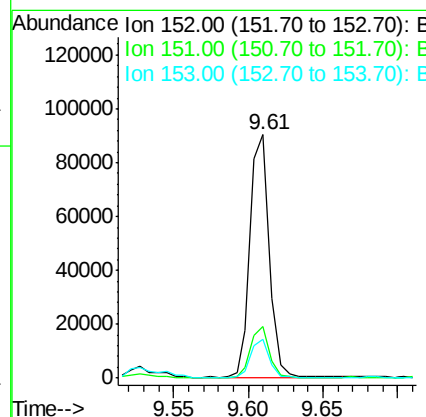
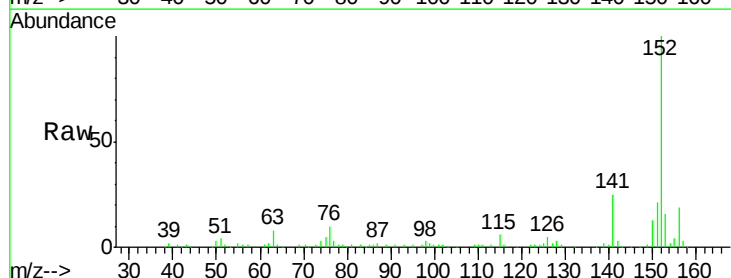
Manual Integrations
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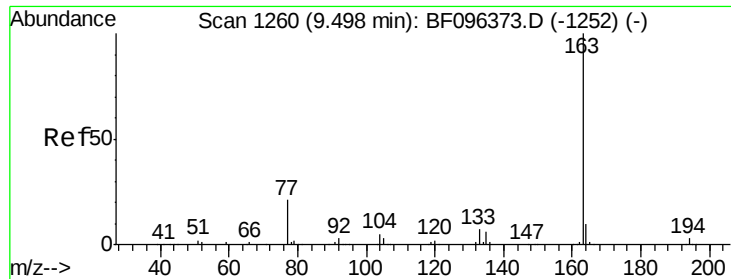
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#48
 Acenaphthylene
 Concen: 4.272 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF096531.D
 Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2
153	15.9	10.8	16.2





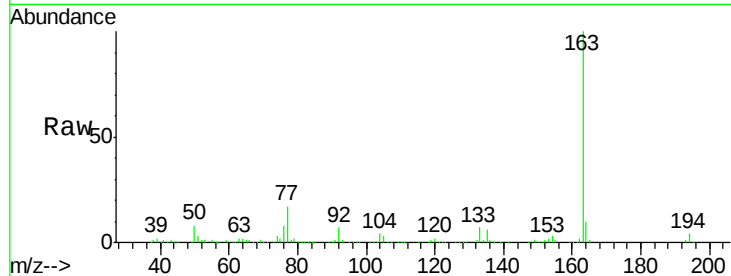
#49
Dimethylphthalate
Concen: 15.326 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-D

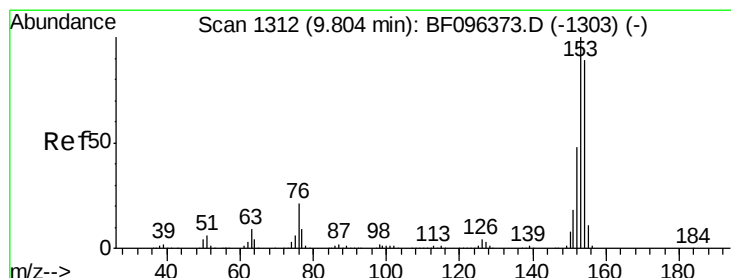
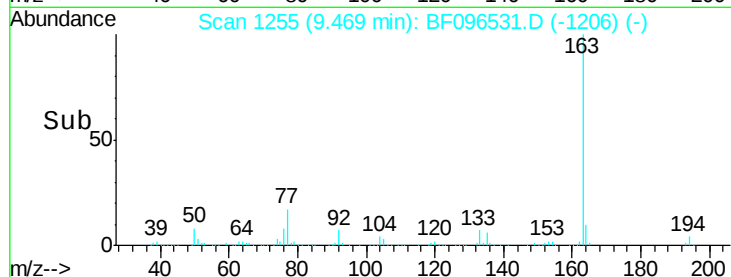
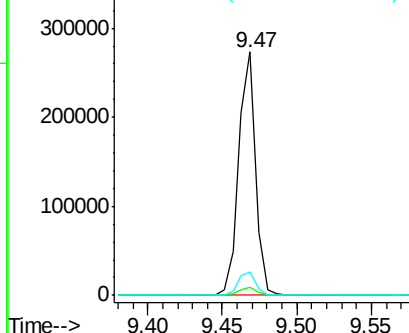
Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.7	8.4	12.6

Manual Integrations
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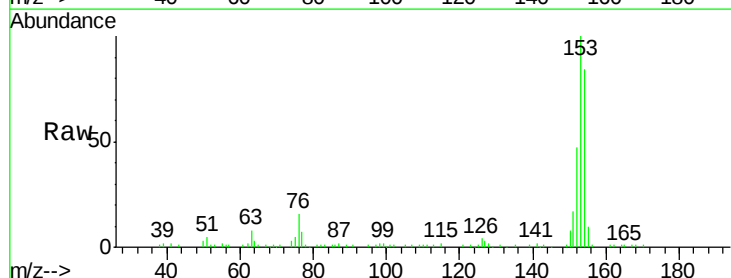


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

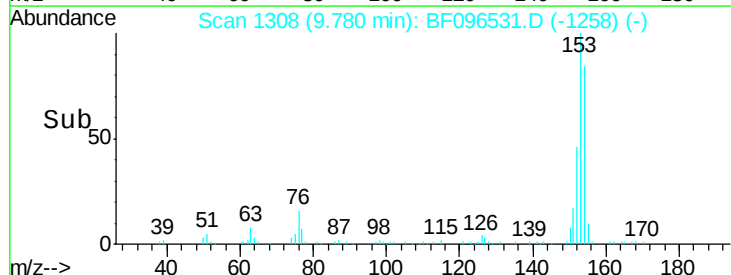
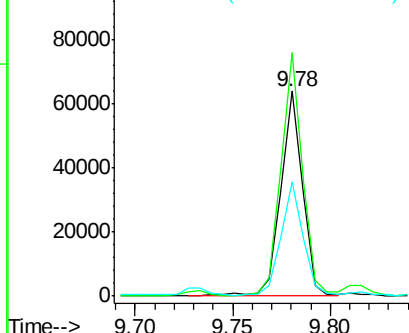


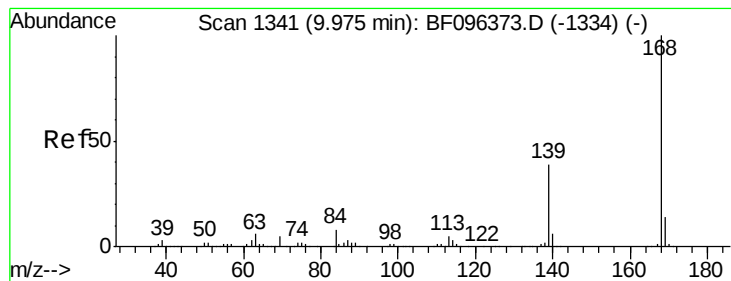
#51
Acenaphthene
Concen: 4.165 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	118.8	90.5	135.7
152	55.6	43.6	65.4



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

Dibenzenofuran

Concen: 2.817 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Instrument :

BNA_F

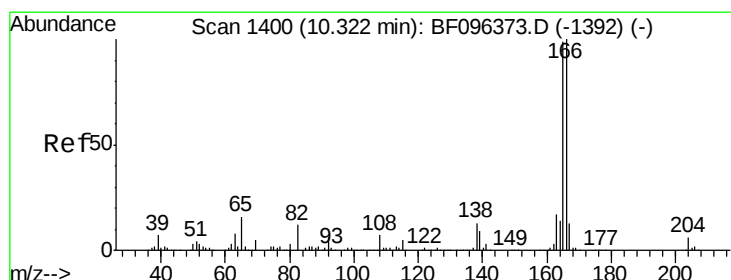
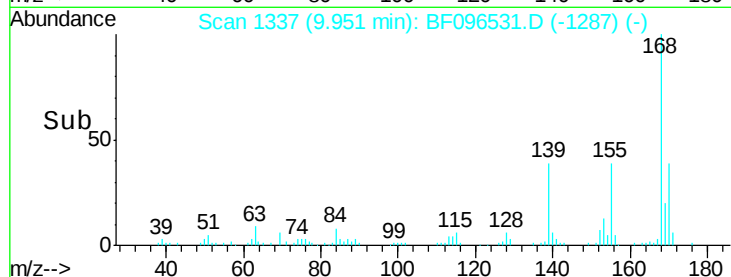
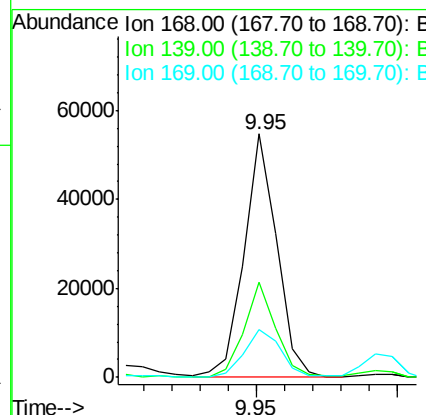
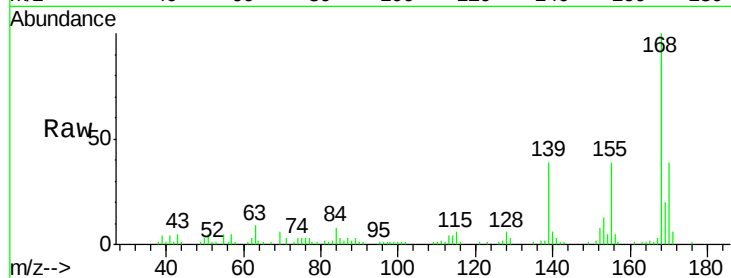
ClientSampleId :

CL-02-070317-D

Tgt Ion:	168	Resp:	44221
Ion Ratio	Lower	Upper	
168	100		
139	38.9	30.6	45.8
169	19.7	10.8	16.2

Manual Integrations
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#57

Fluorene

Concen: 9.393 ng

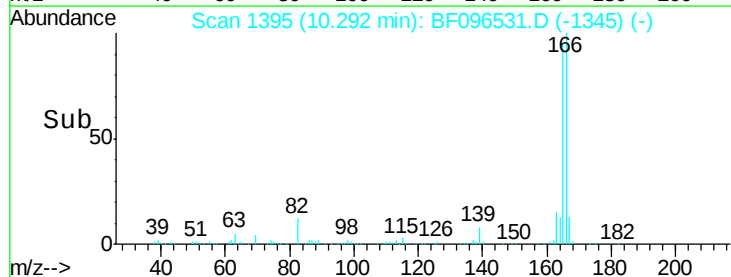
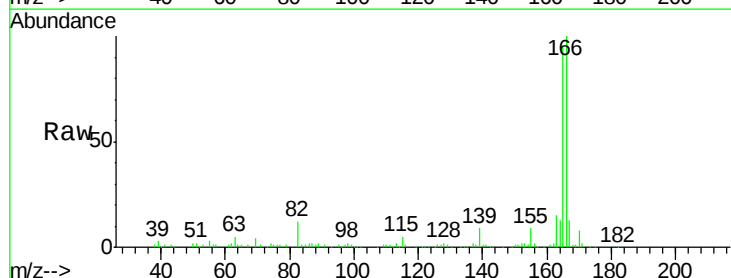
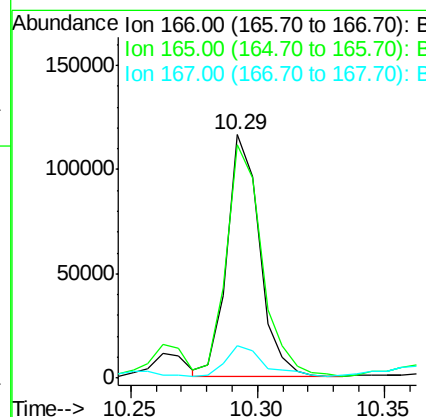
RT: 10.29 min Scan# 1395

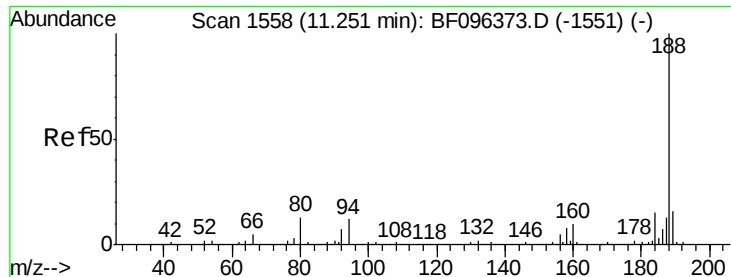
Delta R.T. -0.01 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Tgt Ion:	166	Resp:	104118
Ion Ratio	Lower	Upper	
166	100		
165	95.6	78.8	118.2
167	13.5	10.6	16.0





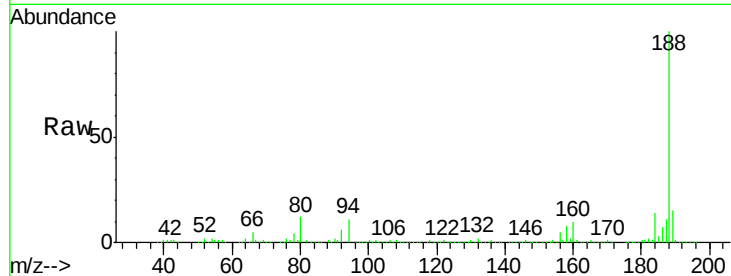
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-D

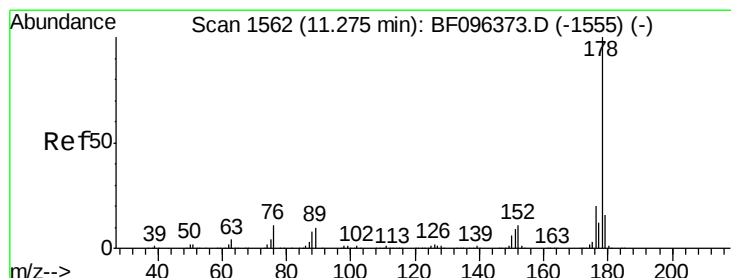
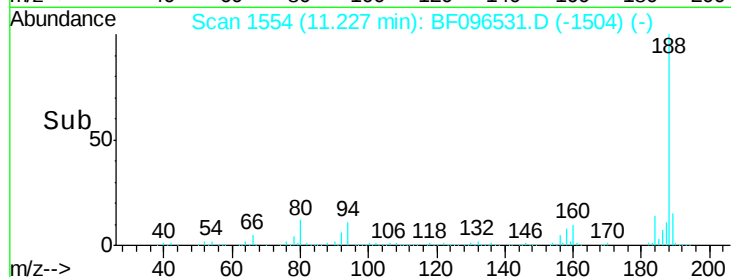
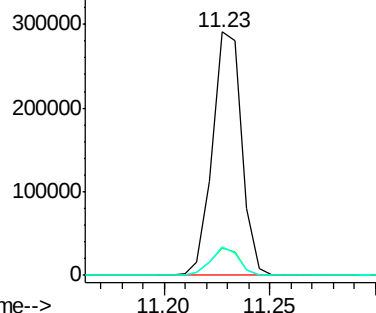
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	279119		
94	11.0	9.4	14.2	
80	11.7	10.2	15.2	

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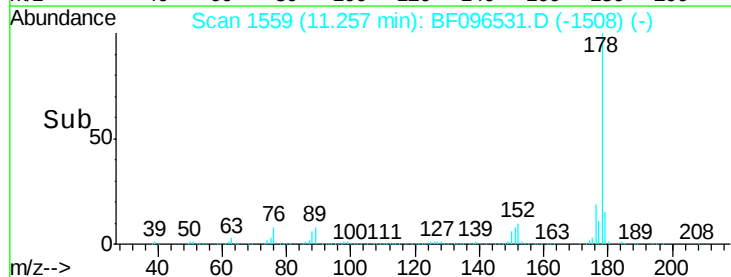
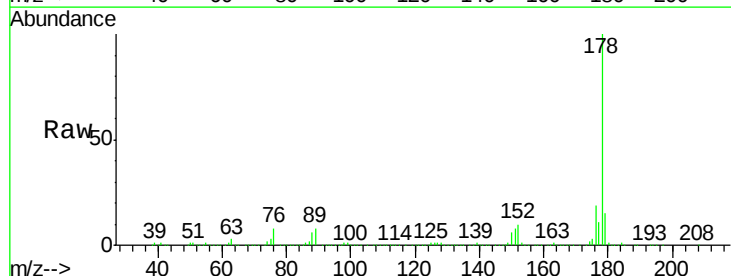
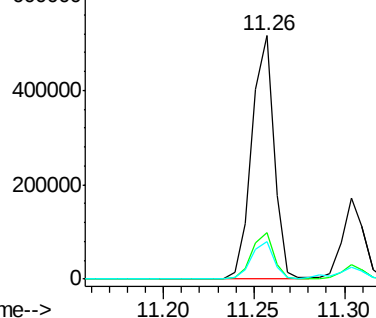
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

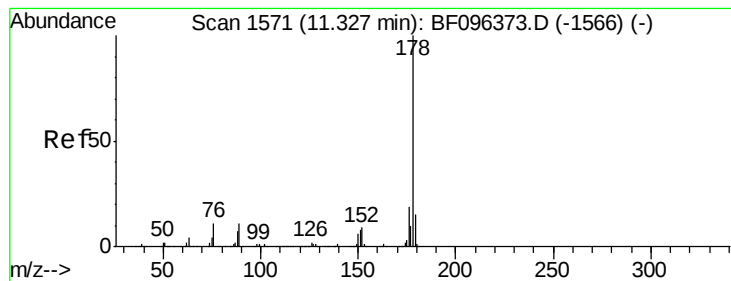


#70
Phenanthrene
Concen: 29.139 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.00 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	439660		
176	19.1	16.2	24.4	
179	15.3	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





#71

Anthracene

Concen: 8.961 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Instrument :

BNA_F

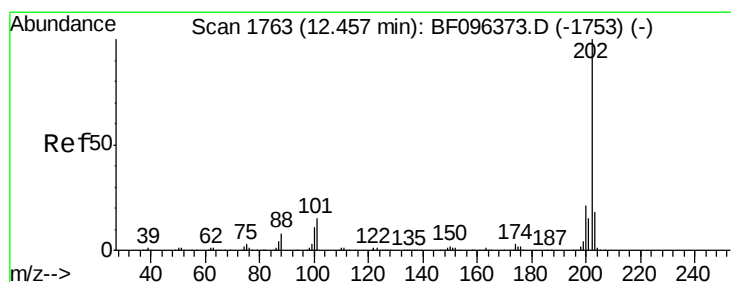
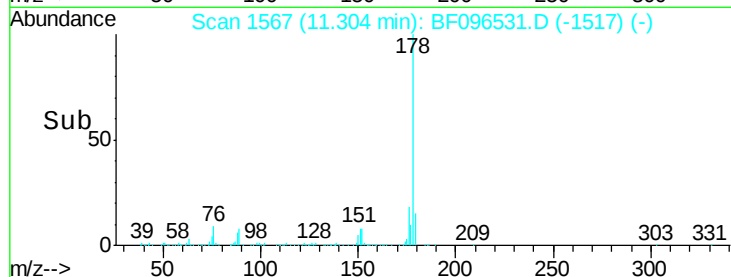
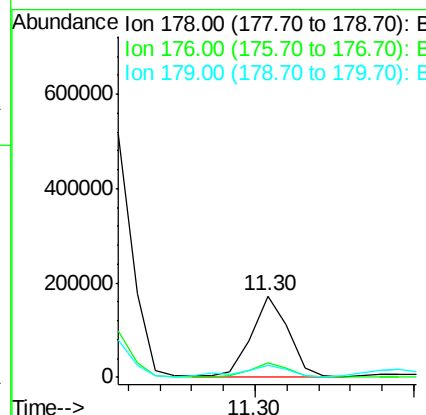
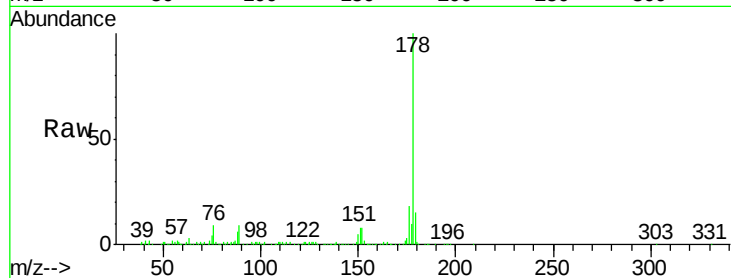
ClientSampleId :

CL-02-070317-D

Tgt Ion:	178	Resp:	137780
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.8
179	15.3	12.7	19.1

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#74

Fluoranthene

Concen: 25.038 ng

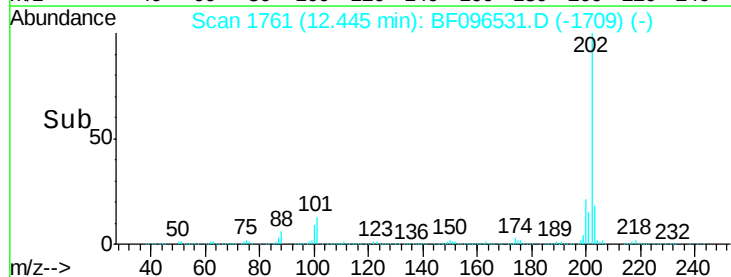
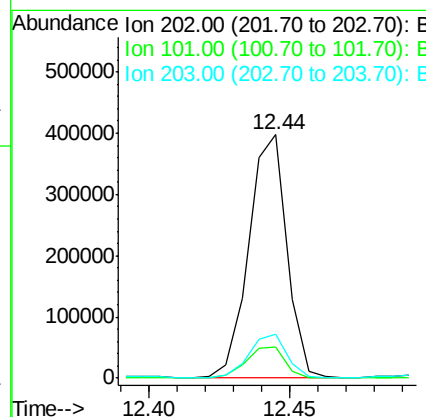
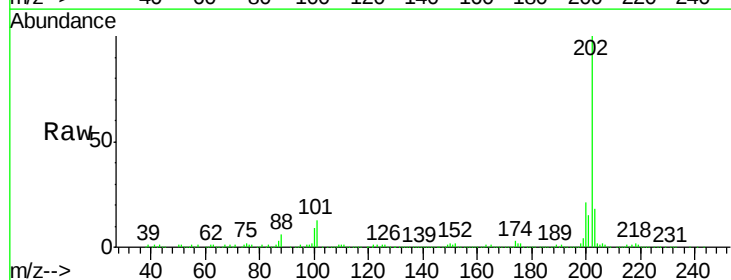
RT: 12.44 min Scan# 1761

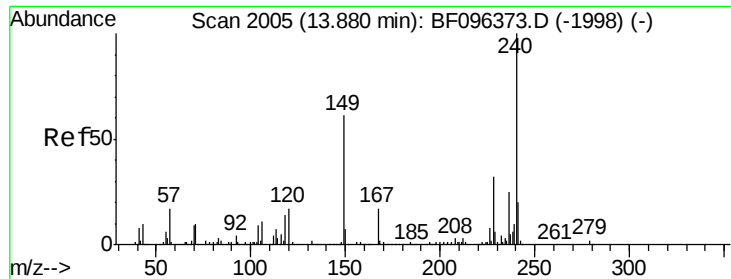
Delta R.T. 0.01 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Tgt Ion:	202	Resp:	370398
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	33.2
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Instrument :

BNA_F

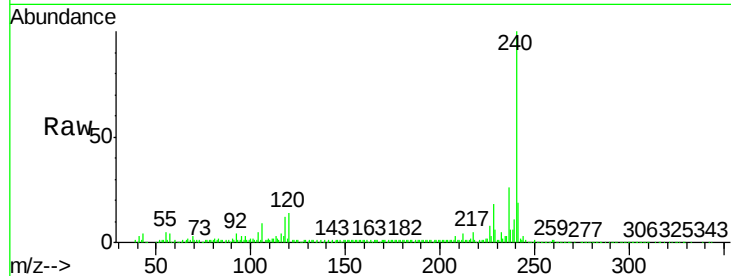
ClientSampleId :

CL-02-070317-D

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.8	20.5	30.7

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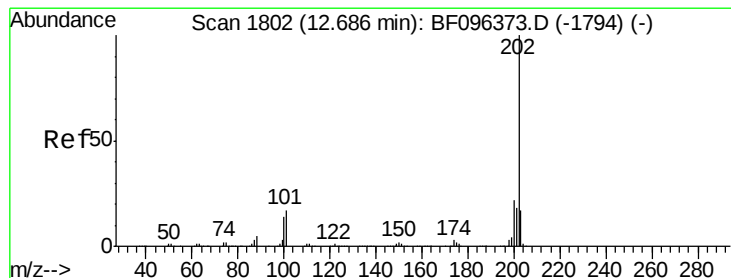
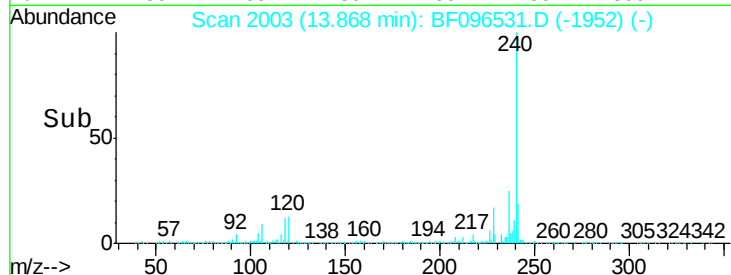
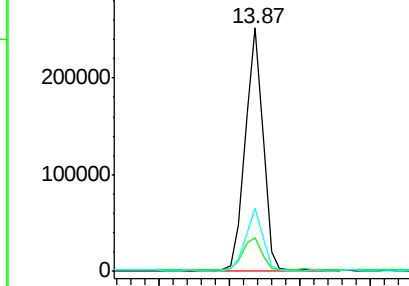
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 23.660 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF096531.D

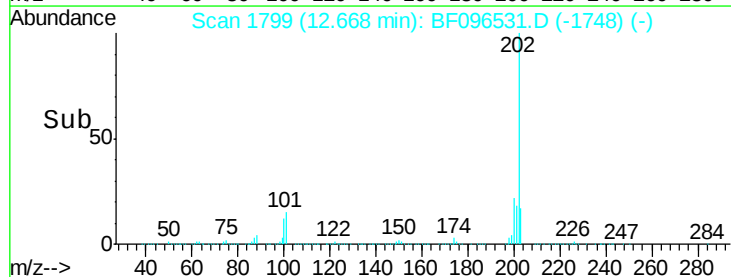
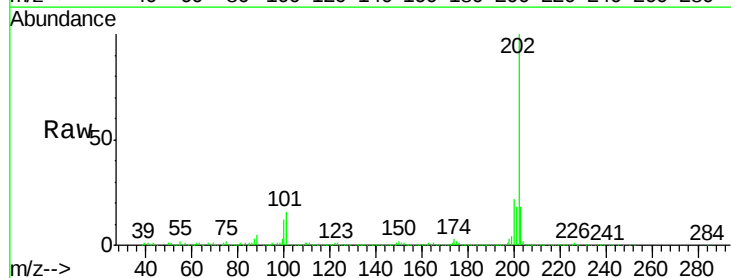
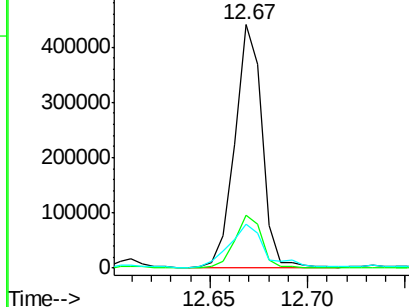
Acq: 6 Jul 2017 14:20

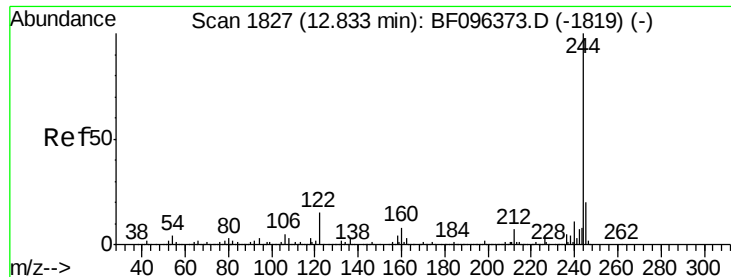
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	17.9	14.4	21.6

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: 50.772 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Instrument :

BNA_F

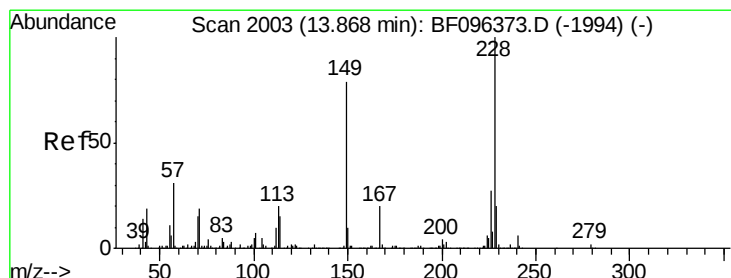
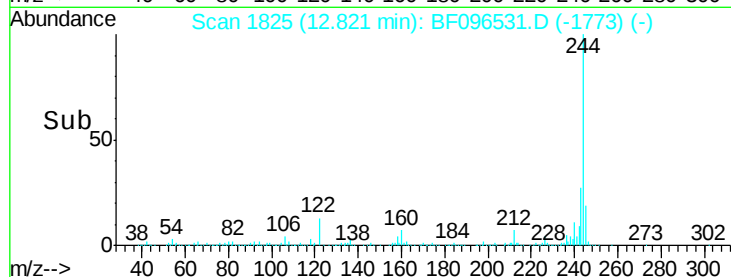
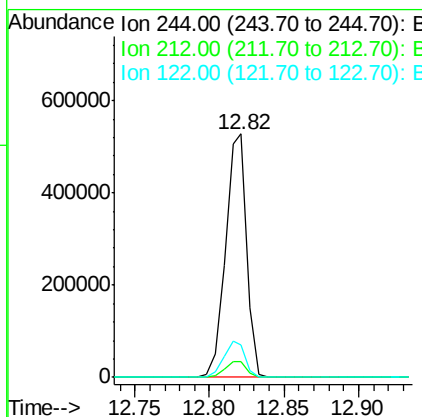
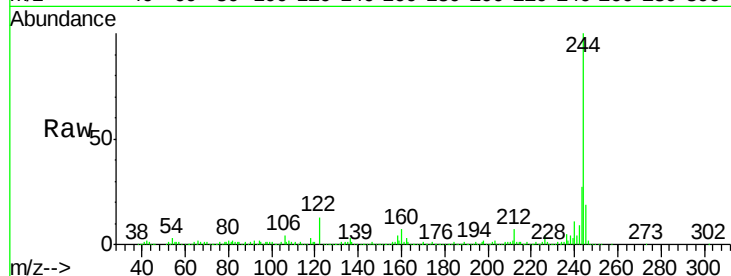
ClientSampleID :

CL-02-070317-D

Tgt Ion:	244	Resp:	529201
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	13.4	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 16.745 ng m

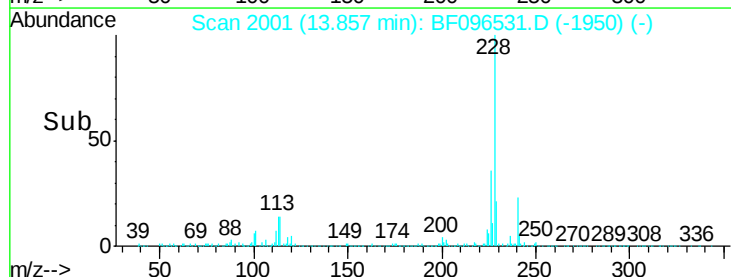
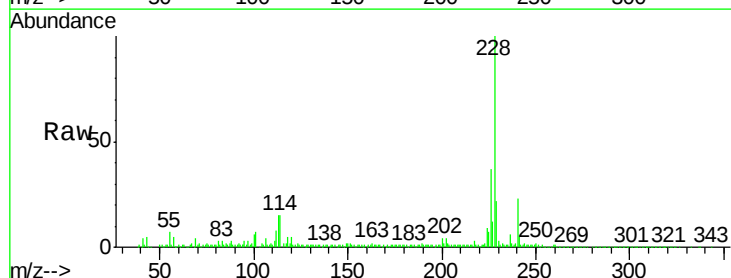
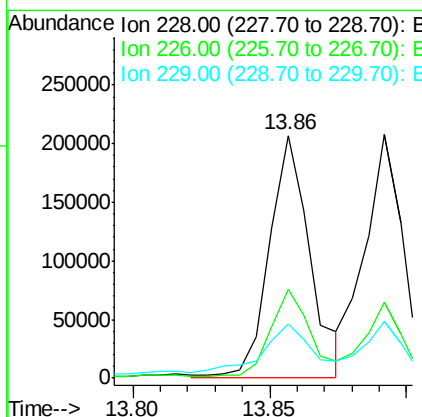
RT: 13.86 min Scan# 2001

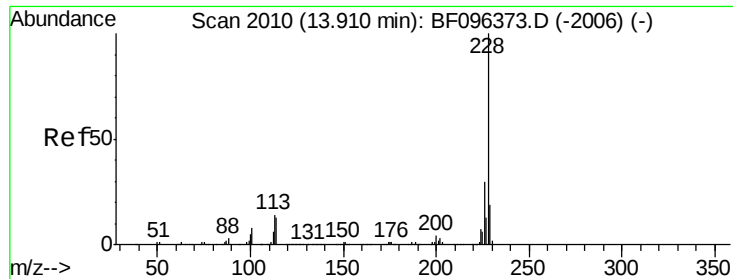
Delta R.T. -0.00 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Tgt Ion:	228	Resp:	215973
Ion Ratio	Lower	Upper	
228	100		
226	36.7	22.6	33.8#
229	22.5	16.3	24.5





#82

Chrysene

Concen: 14.458 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Instrument :

BNA_F

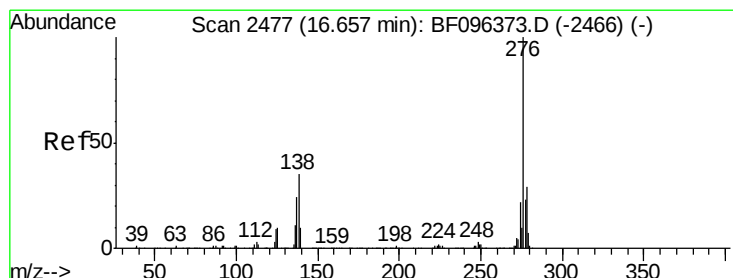
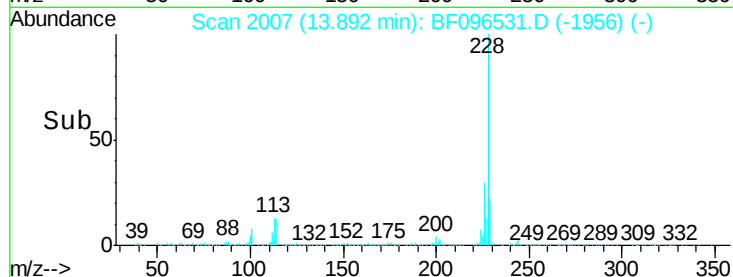
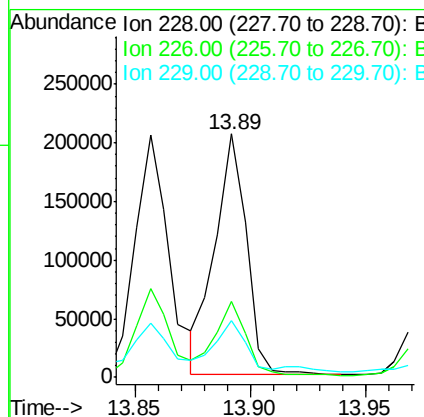
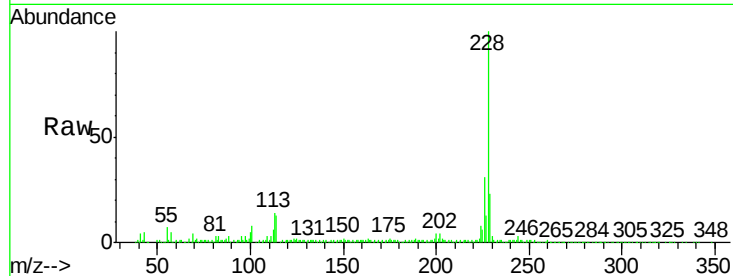
ClientSampleId :

CL-02-070317-D

Tgt Ion:	228	Resp:	195273
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	23.2	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.215 ng

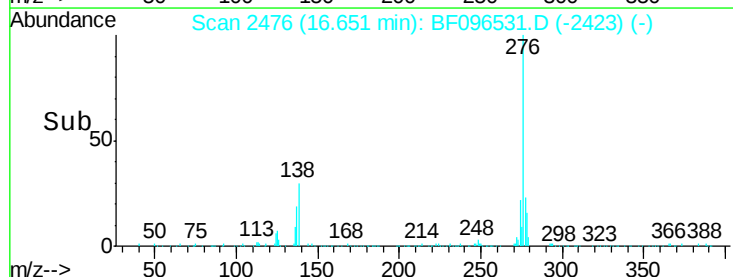
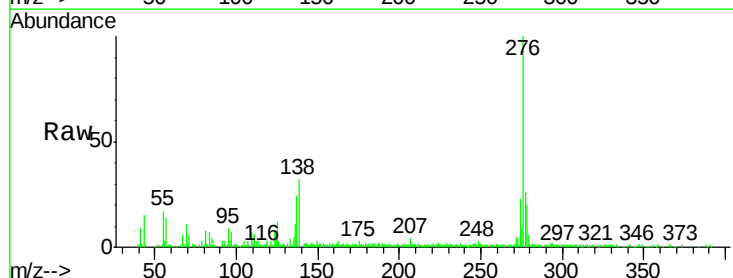
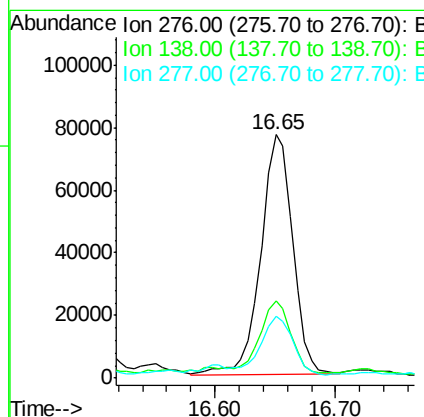
RT: 16.65 min Scan# 2476

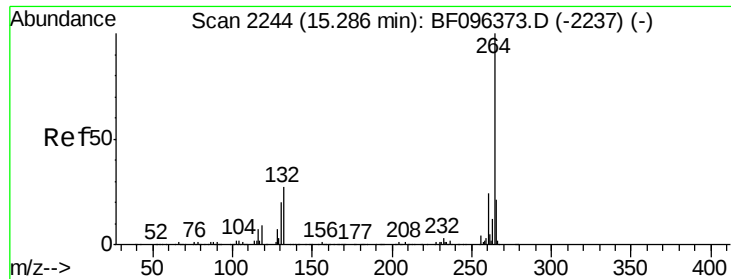
Delta R.T. 0.01 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Tgt Ion:	276	Resp:	140885
Ion Ratio	Lower	Upper	
276	100		
138	29.1	27.8	41.6
277	24.4	20.2	30.4





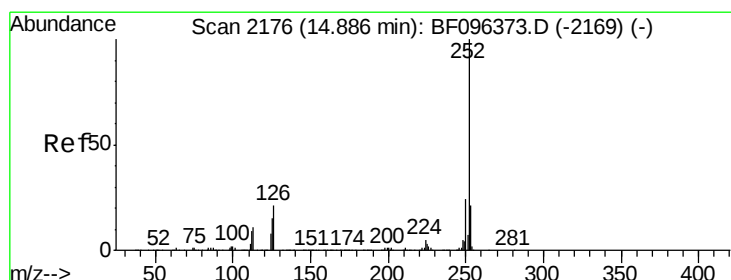
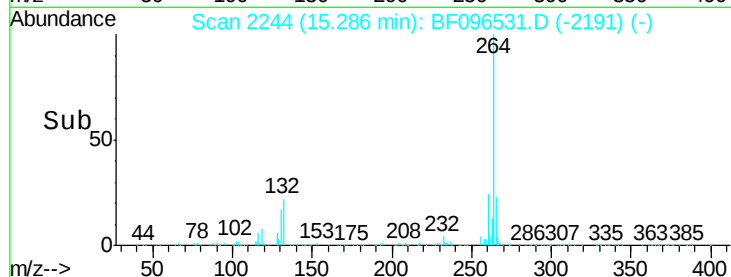
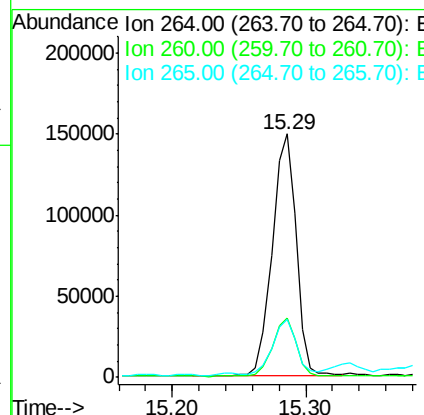
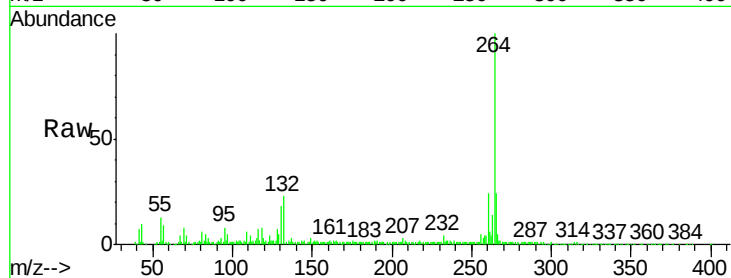
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-D

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	187631		
260	24.2	19.5	29.3	
265	23.8	17.2	25.8	

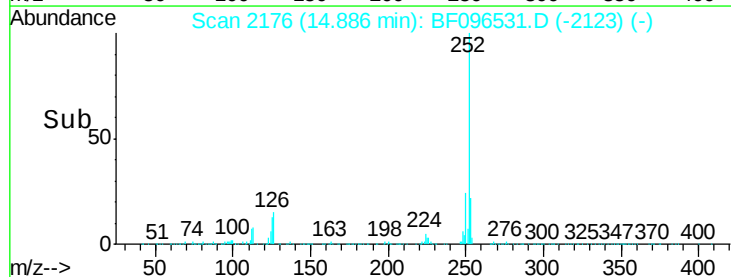
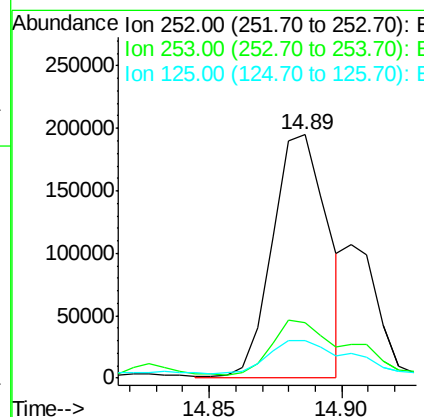
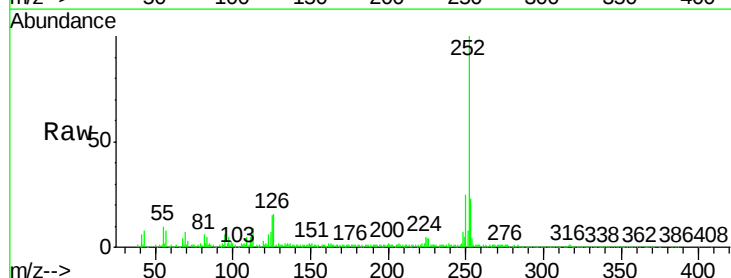
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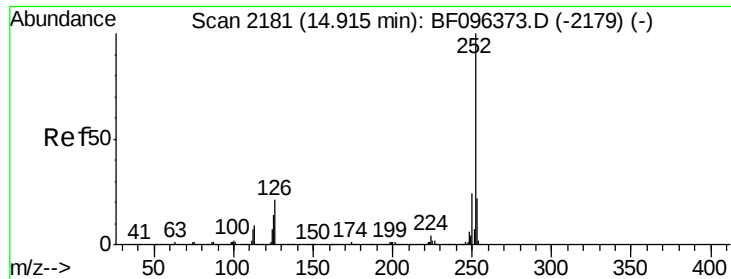
mohammad
7/7/2017 1:30:02 PM



#87
Benzo(b)fluoranthene
Concen: 23.957 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	281657		
253	22.9	18.1	27.1	
125	15.4	9.8	14.8#	





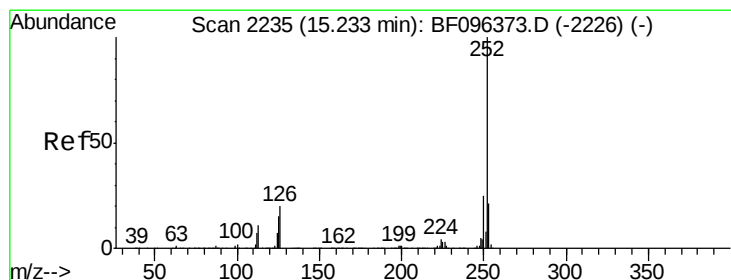
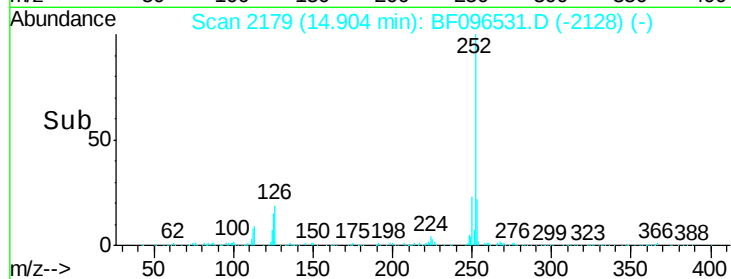
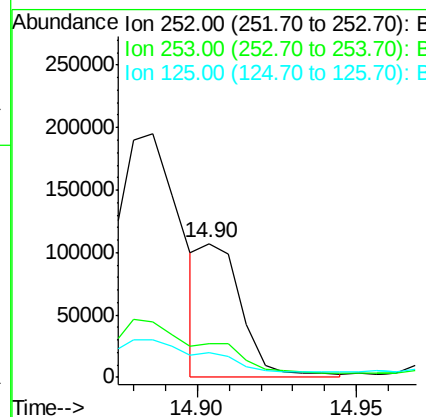
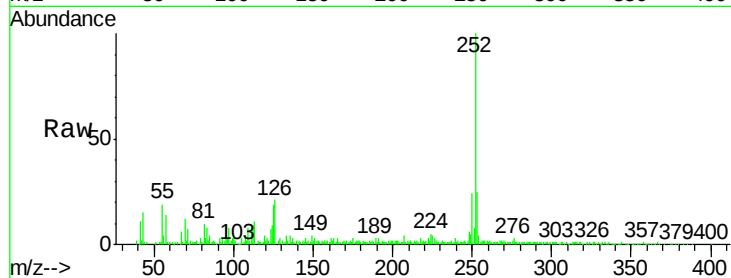
#88
Benzo(k)fluoranthene
Concen: 9.127 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	18.9	13.1	19.7

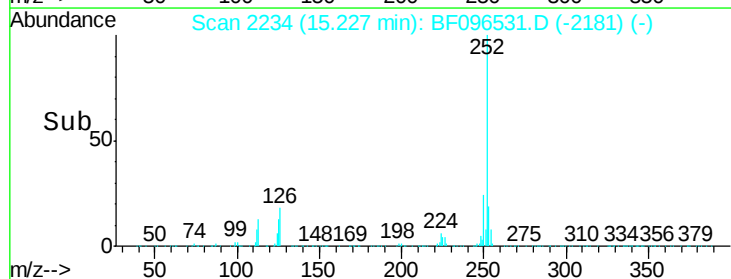
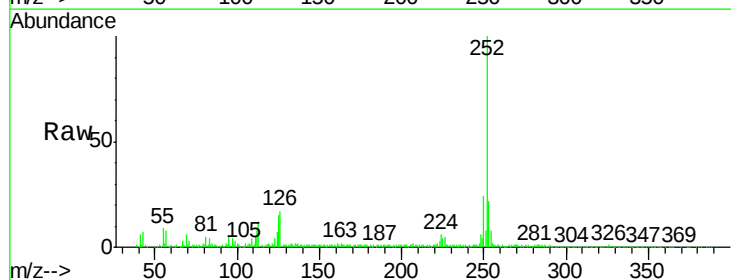
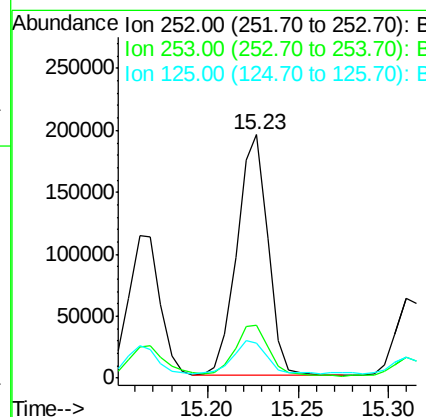
Manual Integrations
APPROVED

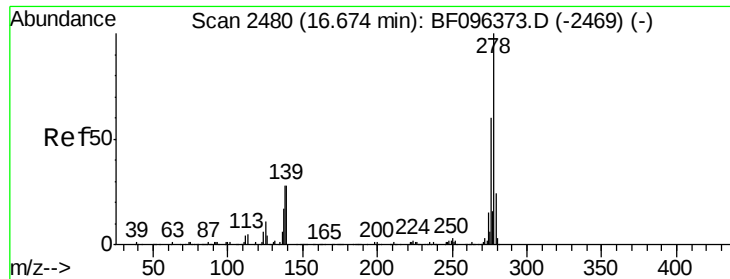
mohammad
7/7/2017 1:30:02 PM



#89
Benzo(a)pyrene
Concen: 21.994 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF096531.D
Acq: 6 Jul 2017 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	14.6	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 4.274 ng

RT: 16.66 min Scan# 2477

Delta R.T. -0.00 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Instrument :

BNA_F

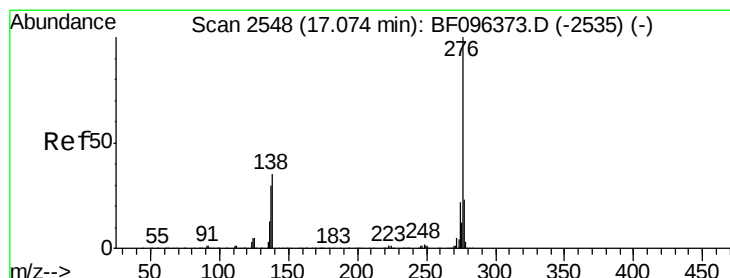
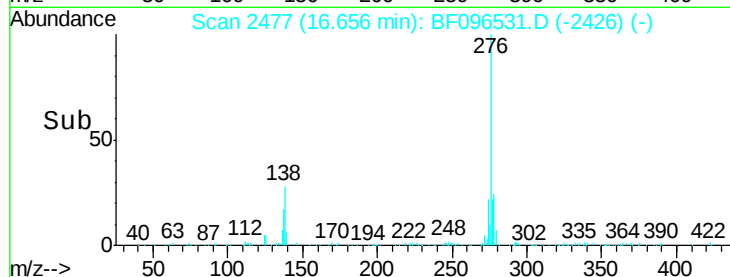
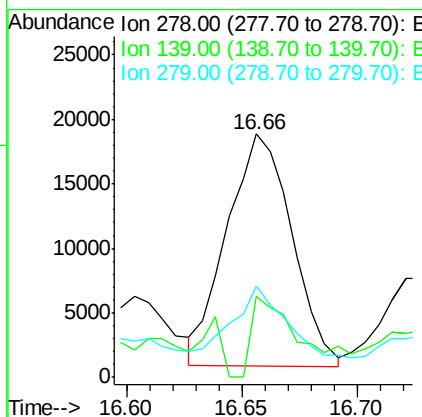
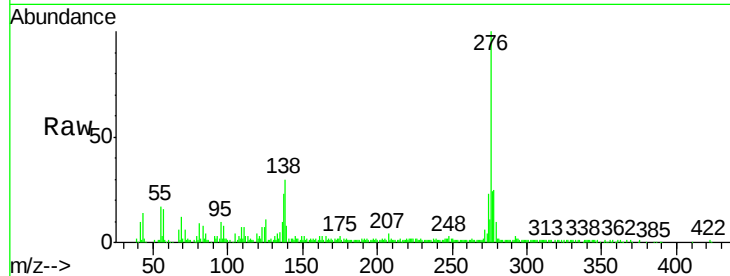
ClientSampleId :

CL-02-070317-D

Tgt Ion:	278	Resp:	35291
Ion Ratio	Lower	Upper	
278	100		
139	33.2	16.6	24.8#
279	37.4	19.3	28.9#

Manual Integrations
APPROVED

mohammad
7/7/2017 1:30:02 PM



#91

Benzo(g,h,i)perylene

Concen: 15.529 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.01 min

Lab File: BF096531.D

Acq: 6 Jul 2017 14:20

Tgt Ion:	276	Resp:	132879
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	32.0	25.4	38.0

