

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096633.D
 Acq On : 11 Jul 2017 8:39
 Operator : SJ/JU
 Sample : I4108-07DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-070617-CDL

Manual Integrations
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 7/11/2017 1:35:54 PM

Quant Time: Jul 11 11:34:48 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	94930	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	385159	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	156034	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	237954	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	183710	20.00	ng	-0.02
86) Perylene-d12	15.23	264	144733	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	162056	25.20	ng	-0.02
7) Phenol-d6	6.32	99	196308	24.83	ng	-0.03
23) Nitrobenzene-d5	7.24	82	106289	16.58	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	33685	27.64	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	212926	23.33	ng	-0.02
78) Terphenyl-d14	12.78	244	135756	15.79	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.99	128	64965	3.57	ng	99
49) Dimethylphthalate	9.43	163	39196	3.37	ng	99
51) Acenaphthene	9.75	154	62925	6.47	ng	98
54) Dibenzofuran	9.92	168	49663	3.87	ng	98
57) Fluorene	10.26	166	63926	7.04	ng	95
70) Phenanthrene	11.22	178	513456	39.92	ng	99
71) Anthracene	11.27	178	133623	10.19	ng	98
72) Carbazole	11.42	167	76490	5.80	ng	96
74) Fluoranthene	12.41	202	593790	47.08	ng	97
77) Pyrene	12.63	202	492180	33.38	ng	99
80) Benzo(a)anthracene	13.82	228	261135	24.55	ng	99
82) Chrysene	13.85	228	234098	21.01	ng	97
85) Indeno(1,2,3-cd)pyrene	16.56	276	89137	10.14	ng	94
87) Benzo(b)fluoranthene	14.83	252	260533m	28.73	ng	
88) Benzo(k)fluoranthene	14.86	252	71321m	8.79	ng	
89) Benzo(a)pyrene	15.17	252	160805	19.86	ng	96
90) Dibenzo(a,h)anthracene	16.57	278	24143m	3.79	ng	
91) Benzo(g,h,i)perylene	16.96	276	74616	11.30	ng	96

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

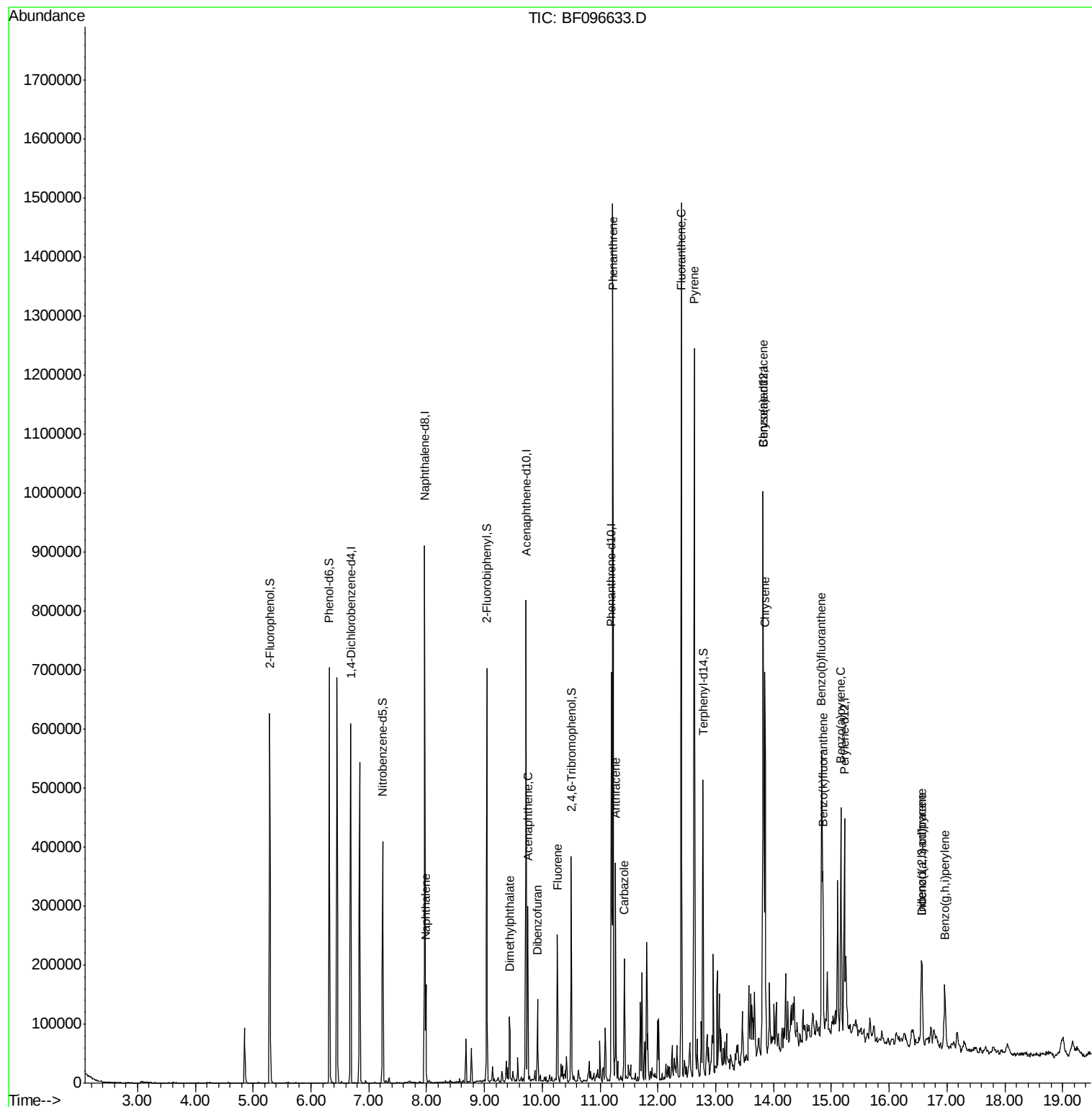
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
Data File : BF096633.D
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ALS Vial : 29 Sample Multiplier: 1

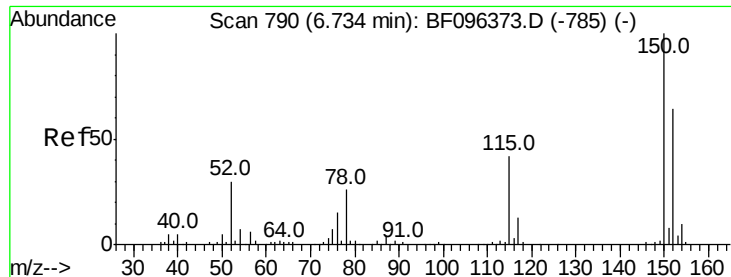
Instrument :
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ClientSampleId :
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#1

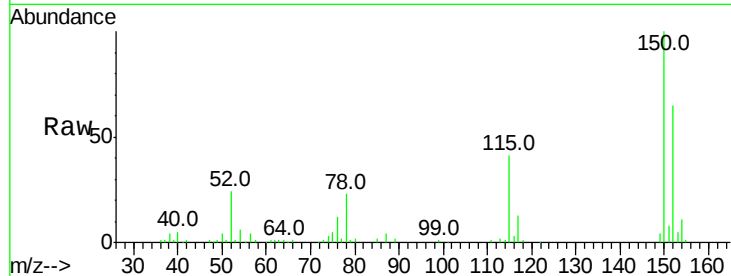
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-CDL

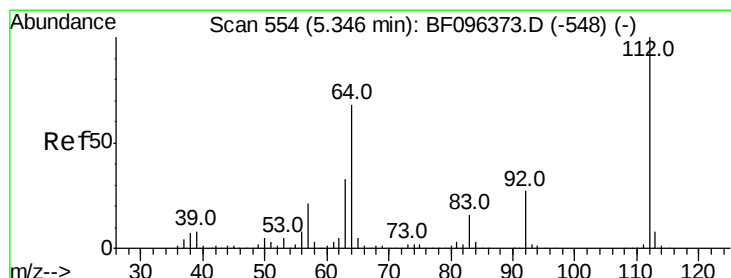
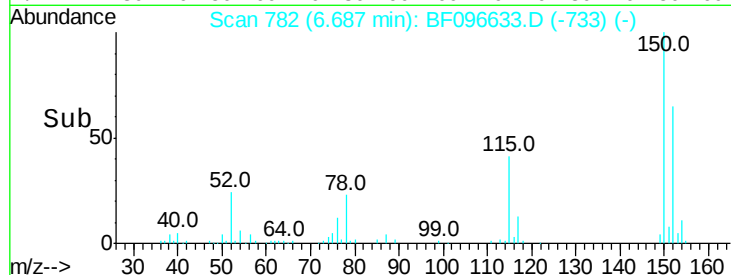
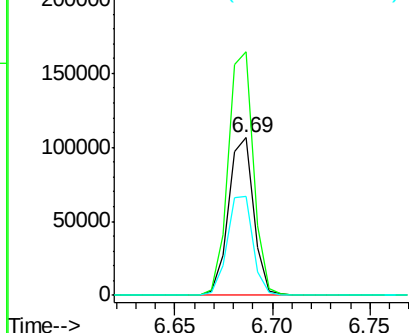
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	62.5	52.2	78.2

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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

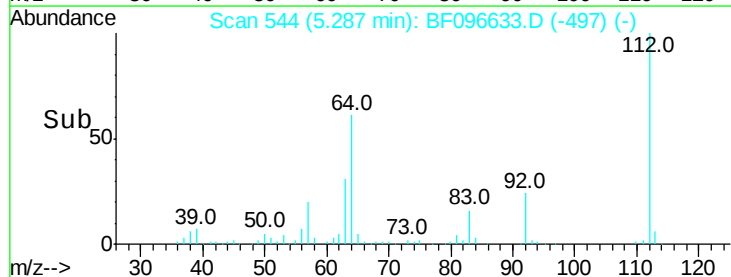
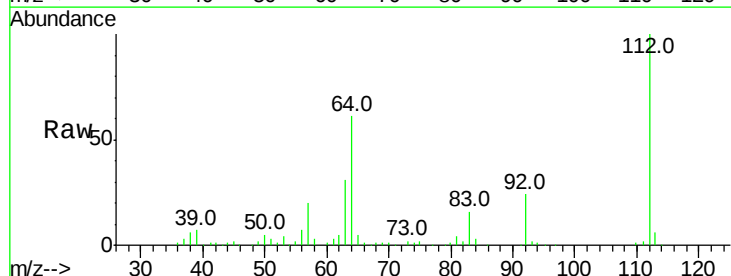
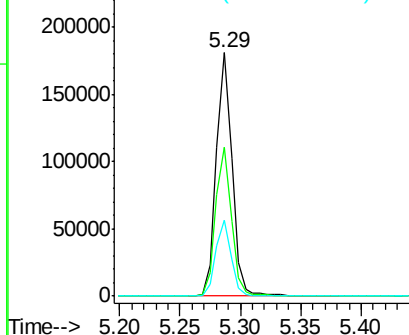


#5

2-Fluorophenol
Concen: 25.20 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	46.0	69.0
63	31.4	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: 24.83 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.03 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Instrument :

BNA_F

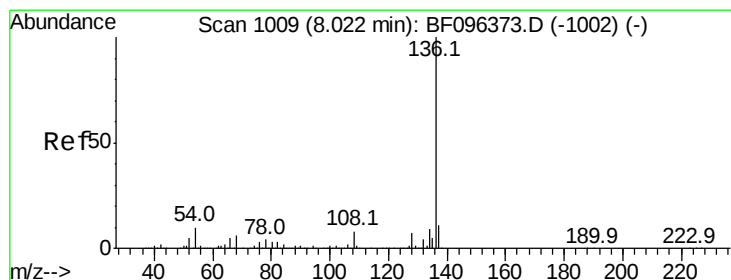
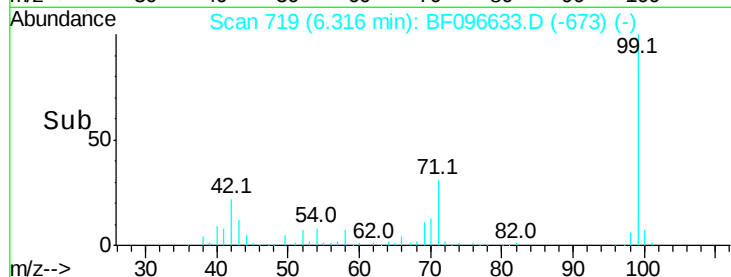
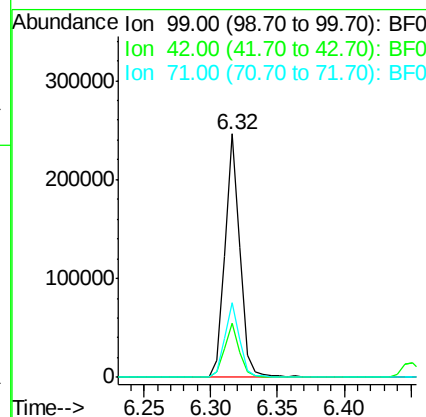
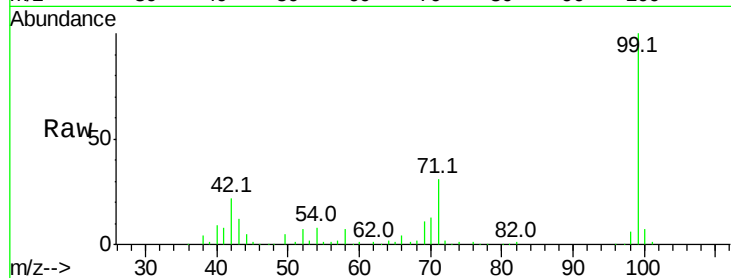
ClientSampleId :

BU-01-070617-CDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		196308		
42	22.3	13.5	20.3#		
71	30.7	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

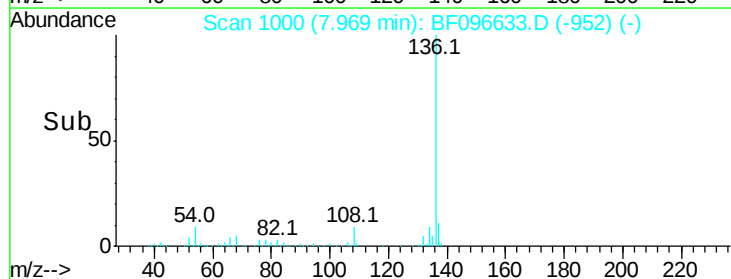
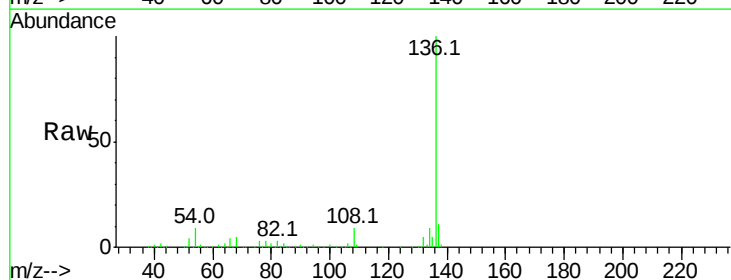
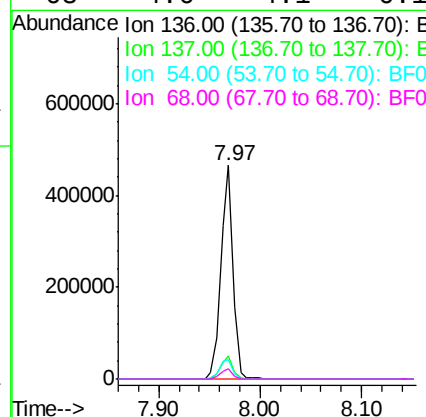
RT: 7.97 min Scan# 1000

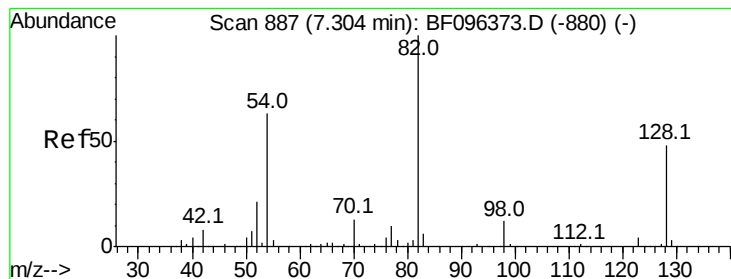
Delta R.T. -0.02 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		385159		
137	11.1	8.5	12.7		
54	9.1	4.9	7.3#		
68	4.6	4.1	6.1		





#23

Nitrobenzene-d5

Concen: 16.58 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.03 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Instrument :

BNA_F

ClientSampleId :

BU-01-070617-CDL

Tot Ion: 82 Resp: 106289
Ion Ratio Lower Upper

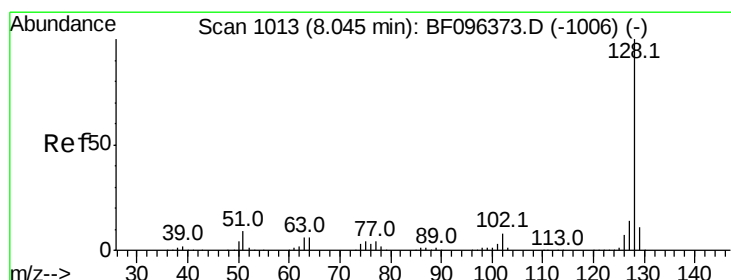
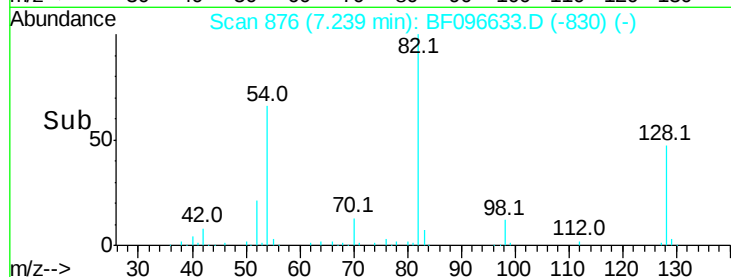
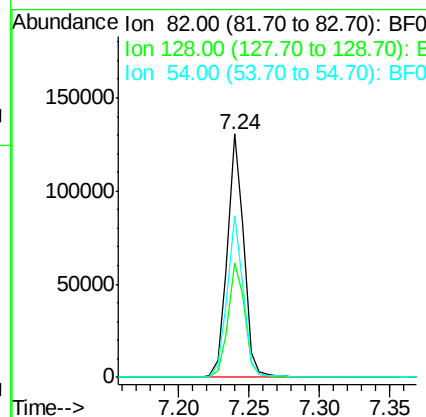
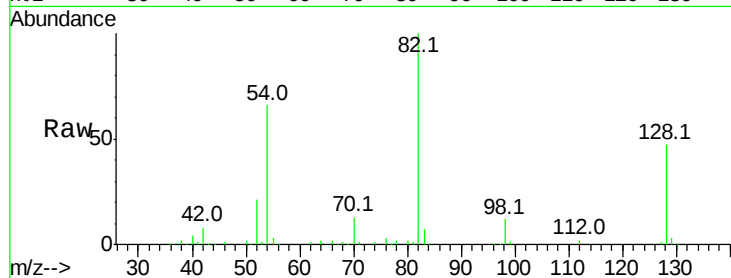
82 100

128 47.1 34.0 51.0

54 66.4 42.2 63.2#

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#31

Naphthalene

Concen: 3.57 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BF096633.D

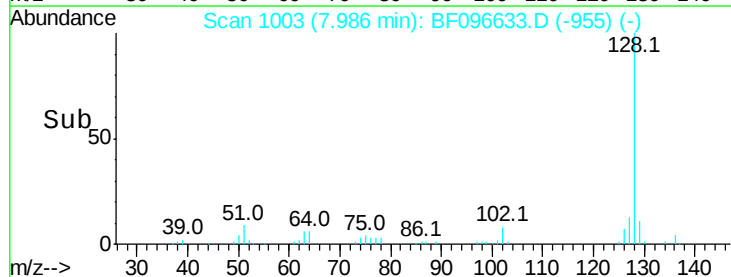
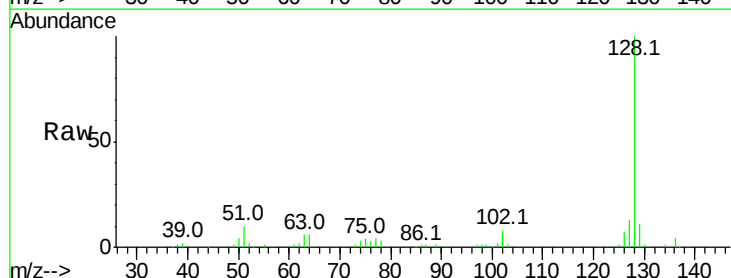
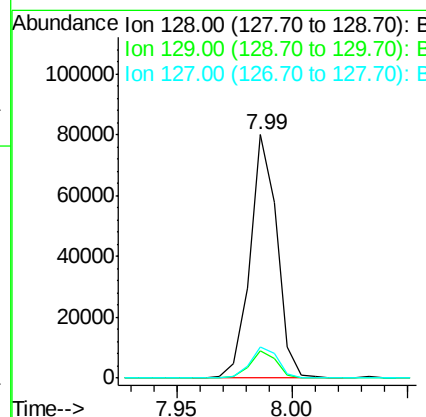
Acq: 11 Jul 2017 8:39

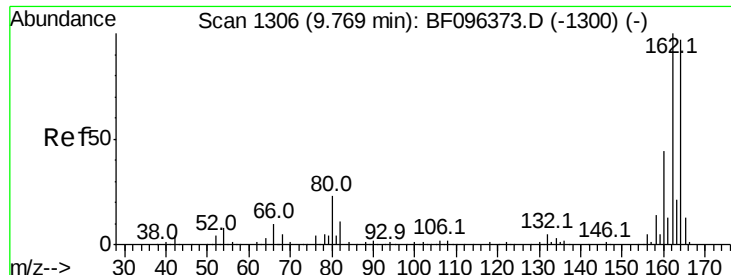
Tgt Ion: 128 Resp: 64965
Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

127 13.0 10.8 16.2





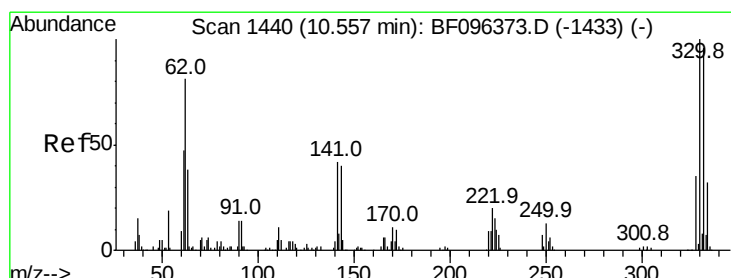
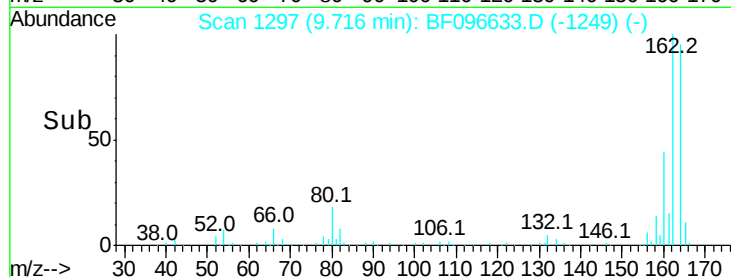
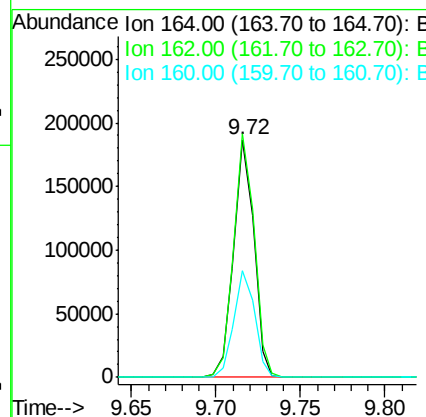
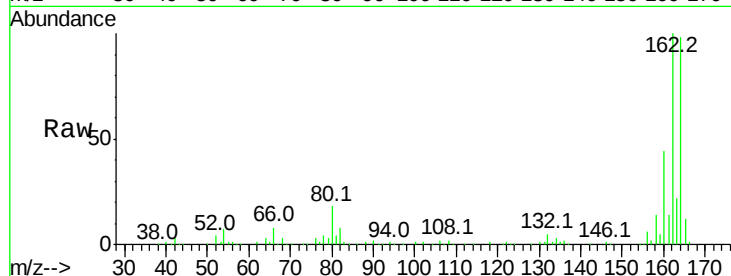
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-CDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	156034		
162	102.5	82.6	123.8	
160	44.8	36.2	54.2	

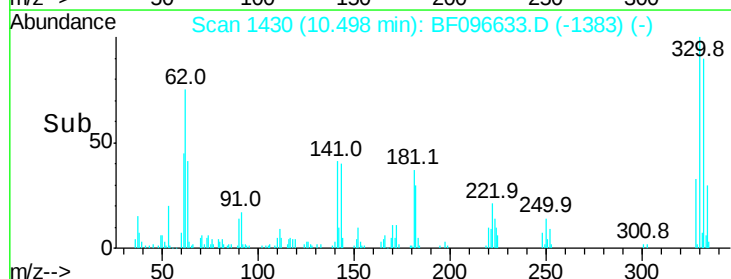
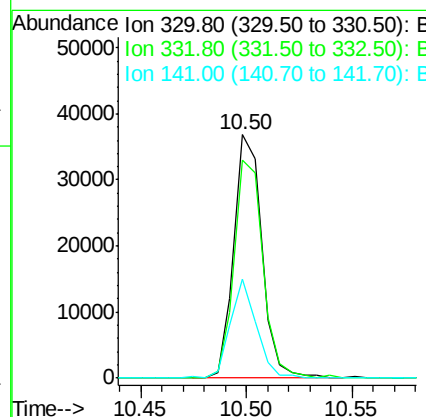
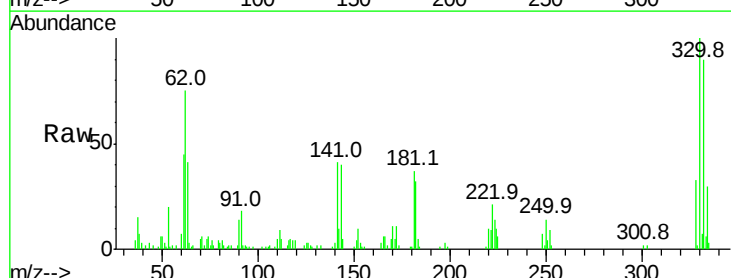
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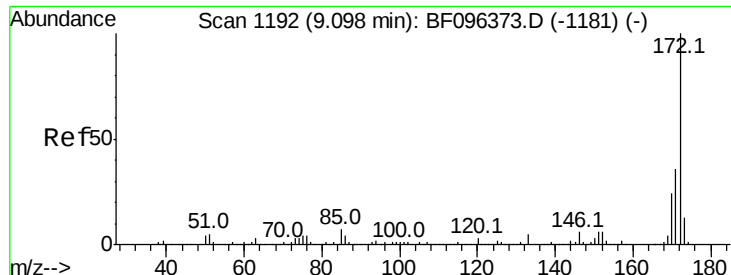
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#41
2,4,6-Tribromophenol
Concen: 27.64 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	33685		
332	92.6	76.6	115.0	
141	38.2	31.4	47.2	





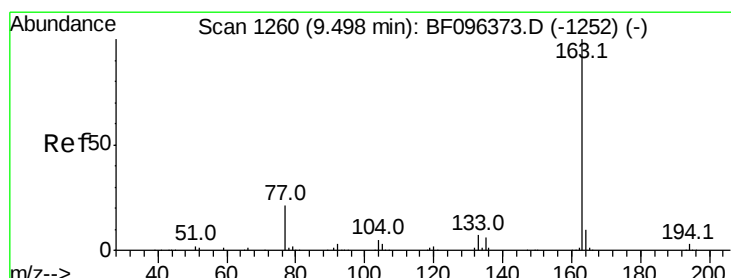
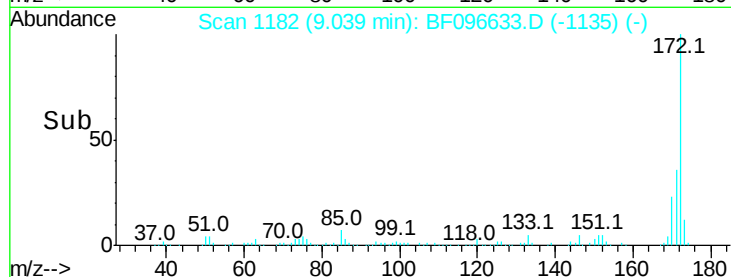
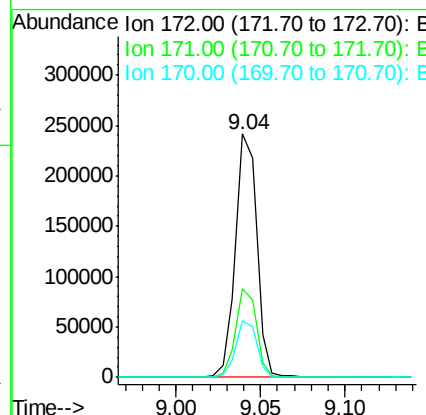
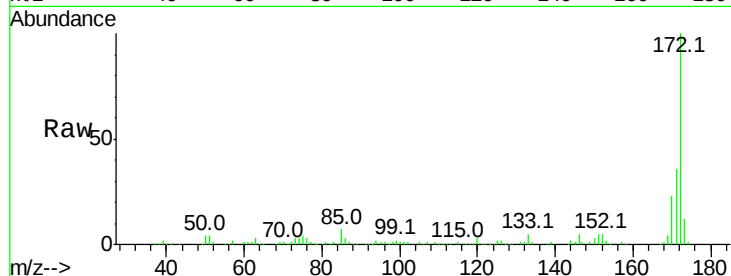
#44
2-Fluorobiphenyl
Concen: 23.33 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-CDL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.6	44.4	
170	23.2	19.8	29.8	

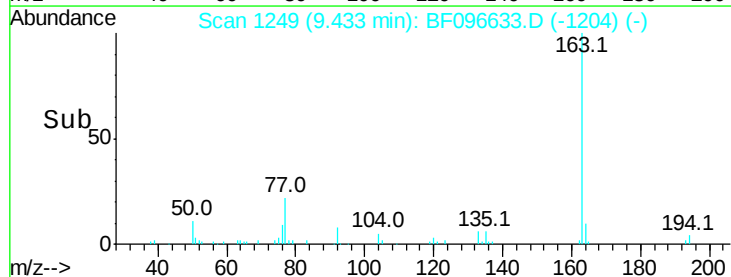
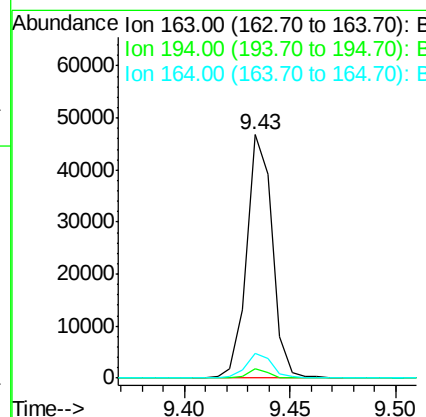
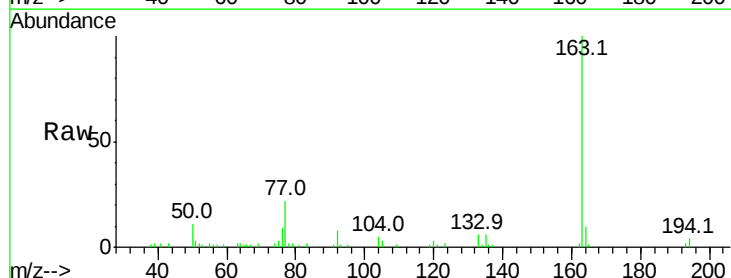
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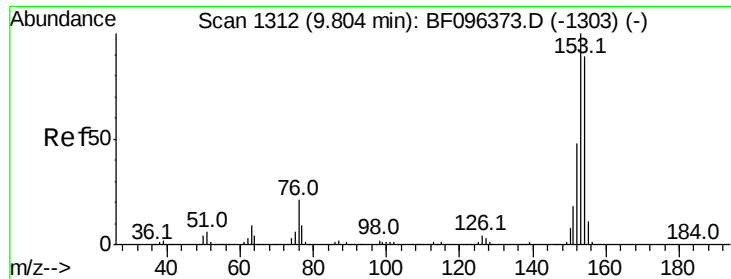
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#49
Dimethylphthalate
Concen: 3.37 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.6	4.0	
164	10.2	8.4	12.6	





#51

Acenaphthene

Concen: 6.47 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Instrument :

BNA_F

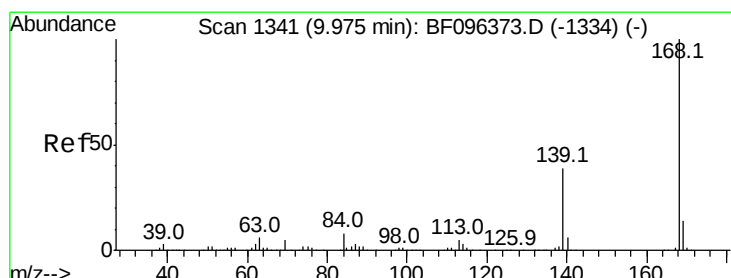
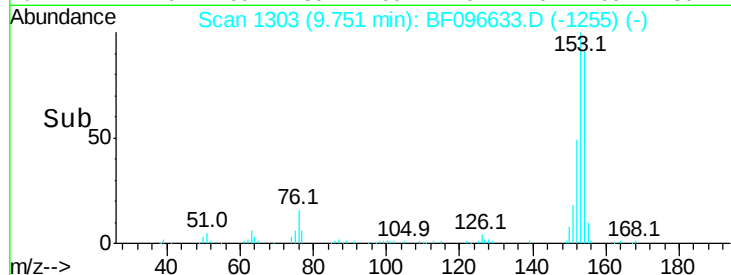
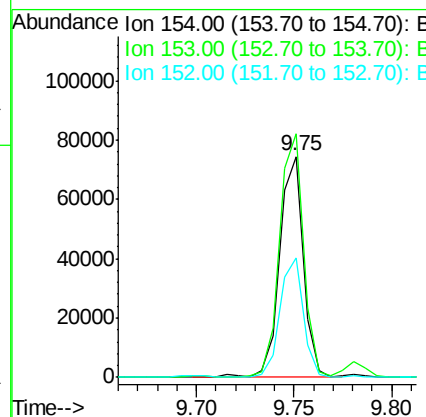
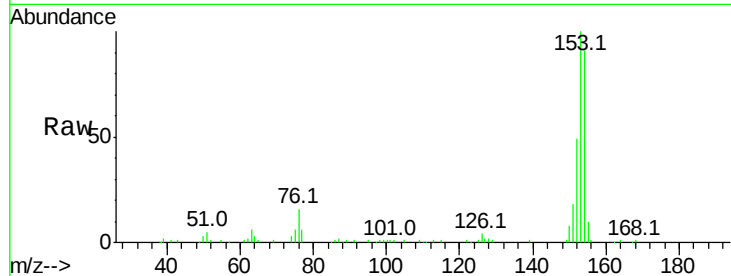
ClientSampleId :

BU-01-070617-CDL

Tot Ion:	154	Resp:	62925
Ion Ratio	Lower	Upper	
154	100		
153	110.1	90.5	135.7
152	54.3	43.6	65.4

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#54

Dibenzofuran

Concen: 3.87 ng

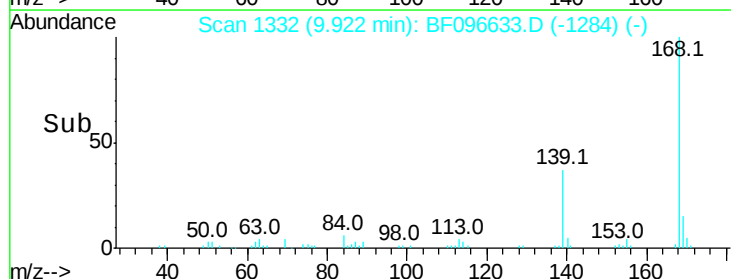
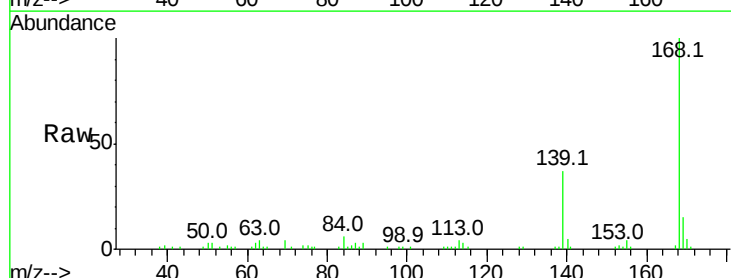
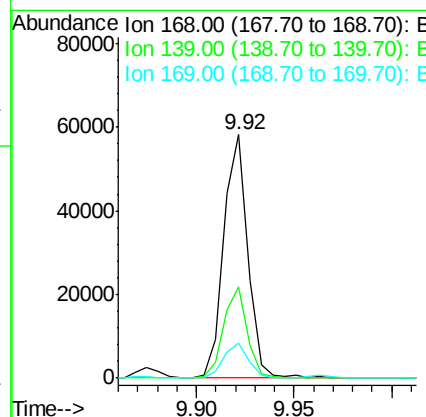
RT: 9.92 min Scan# 1332

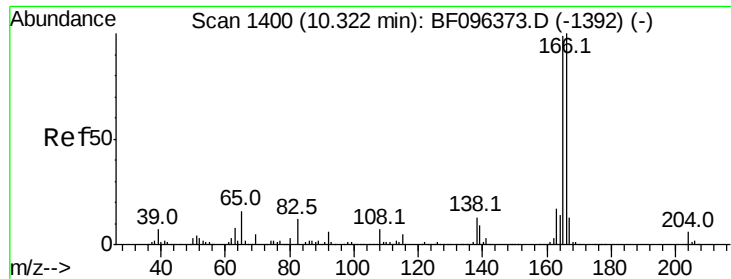
Delta R.T. -0.02 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Tgt Ion:	168	Resp:	49663
Ion Ratio	Lower	Upper	
168	100		
139	37.2	30.6	45.8
169	14.5	10.8	16.2





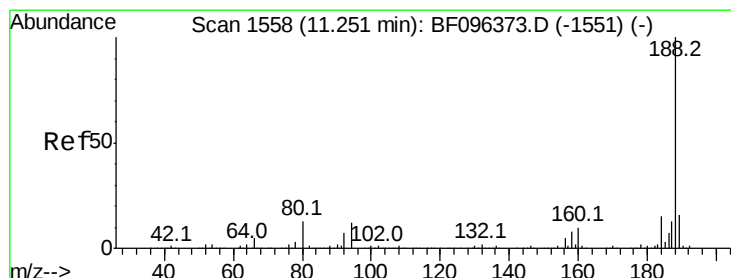
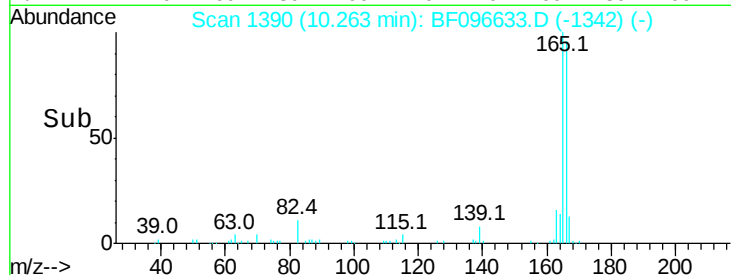
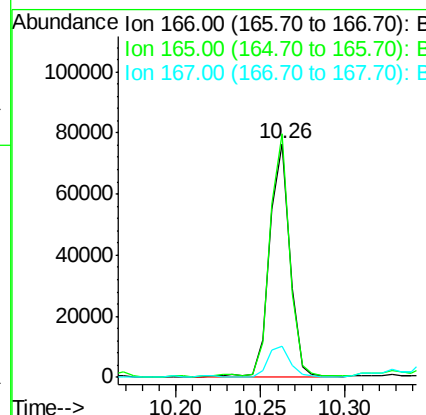
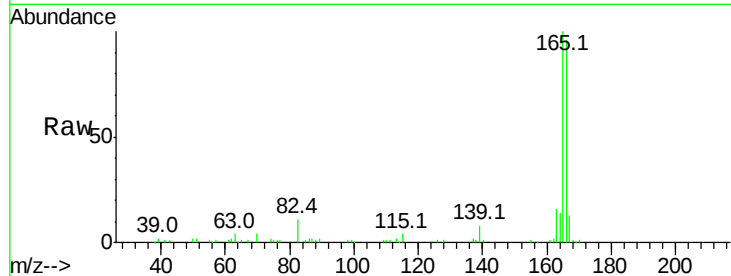
#57
Fluorene
 Concen: 7.04 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF096633.D
 Acq: 11 Jul 2017 8:39

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-070617-CDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.1	78.8	118.2
167	13.5	10.6	16.0

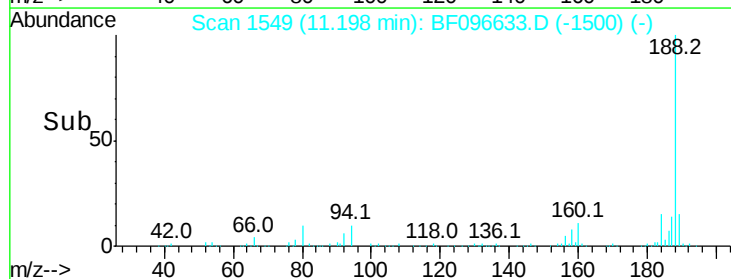
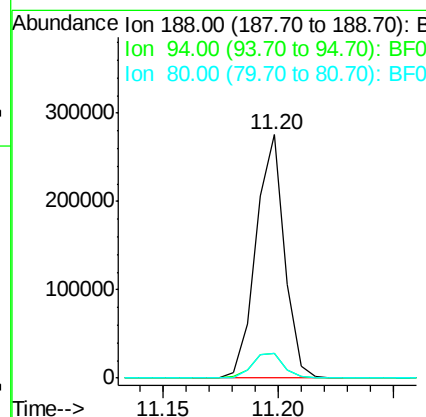
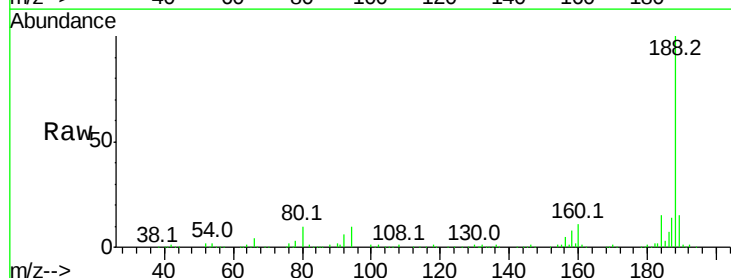
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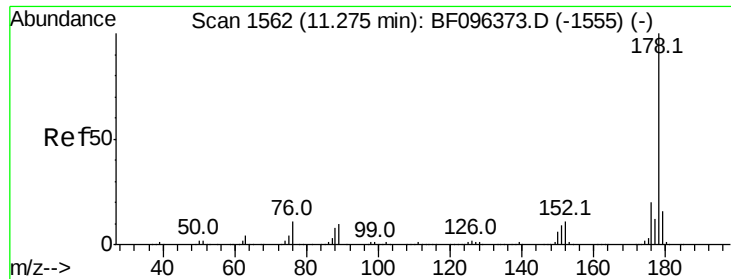
mohammad
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096633.D
 Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	10.4	10.2	15.2





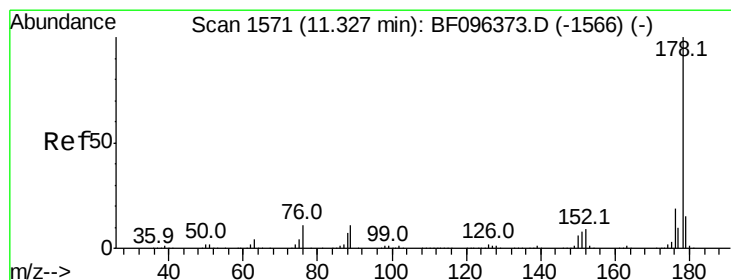
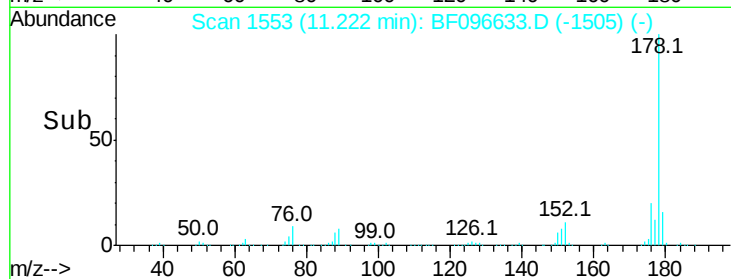
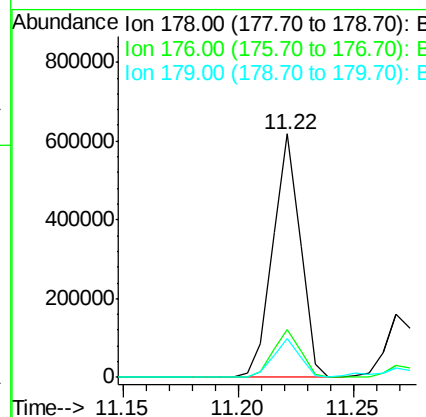
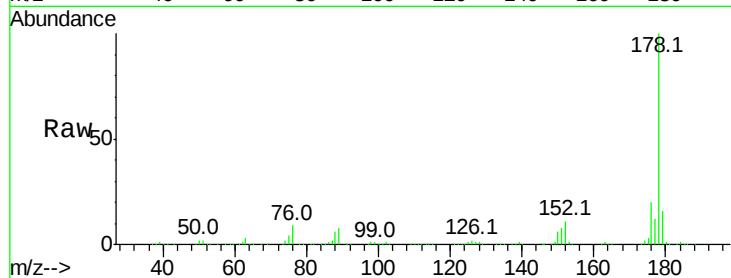
#70
Phenanthrene
Concen: 39.92 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-CDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.8	12.6	19.0

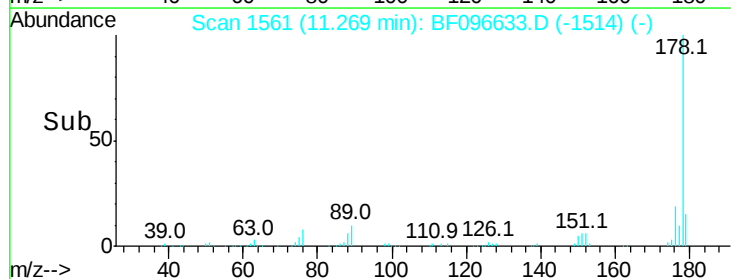
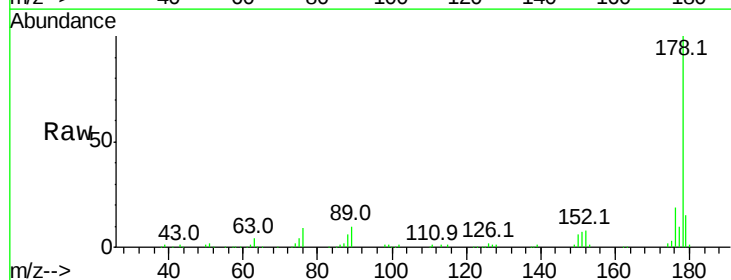
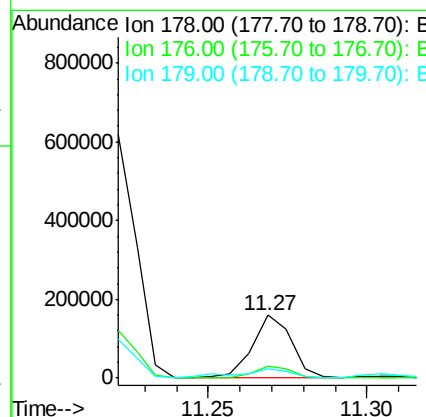
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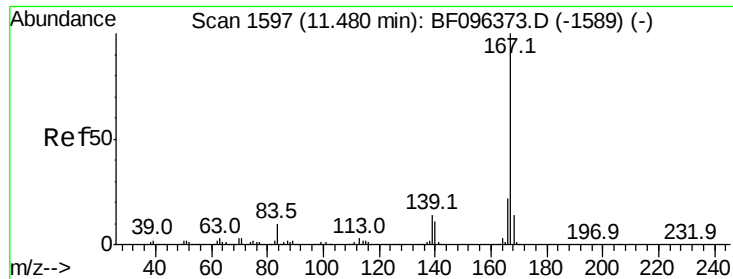
mohammad
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#71
Anthracene
Concen: 10.19 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	12.7	19.1





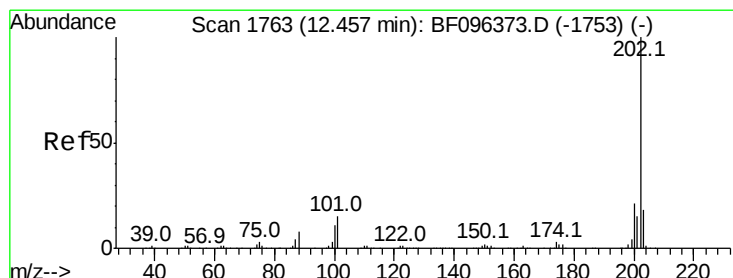
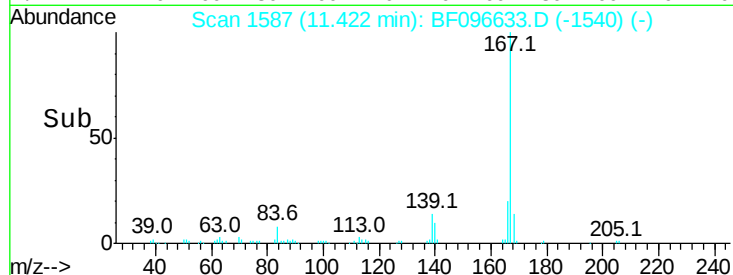
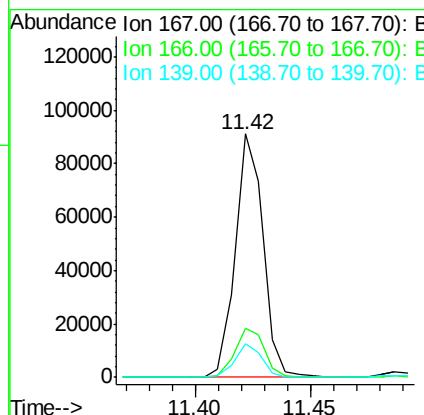
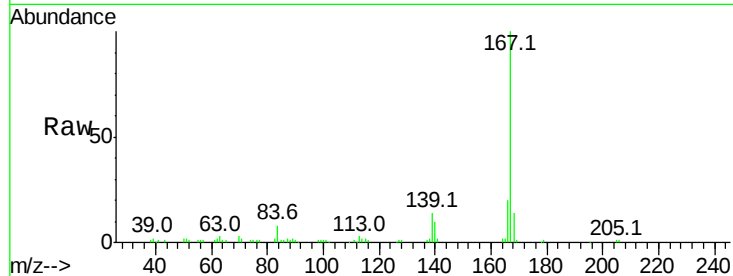
#72
 Carbazole
 Concen: 5.80 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.02 min
 Lab File: BF096633.D
 Acq: 11 Jul 2017 8:39

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-070617-CDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.1	18.1	27.1
139	13.8	11.7	17.5

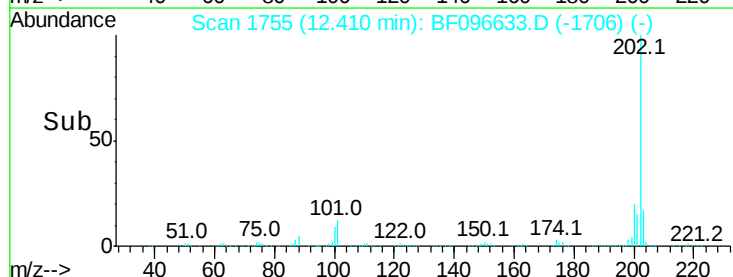
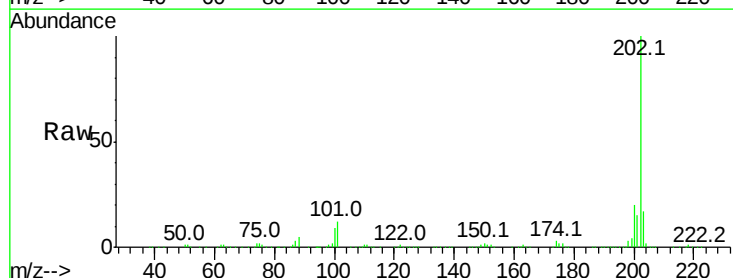
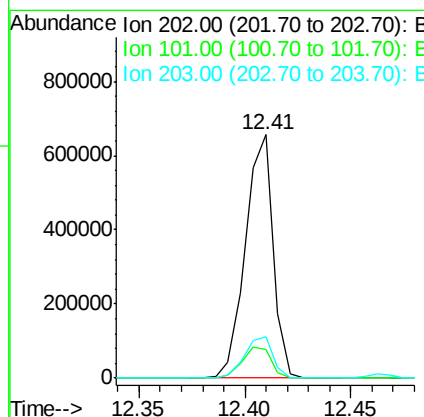
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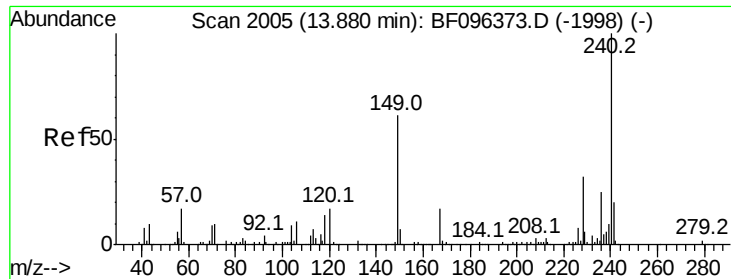
mohammad
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#74
 Fluoranthene
 Concen: 47.08 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF096633.D
 Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.2
203	17.1	0.0	38.1





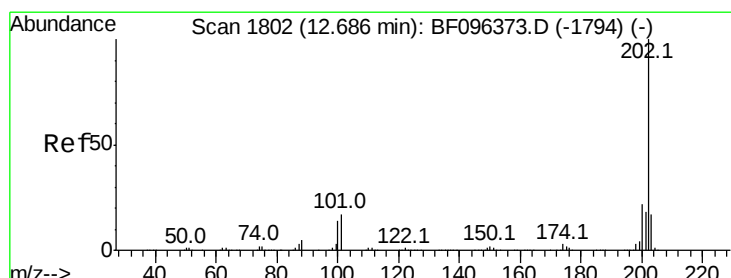
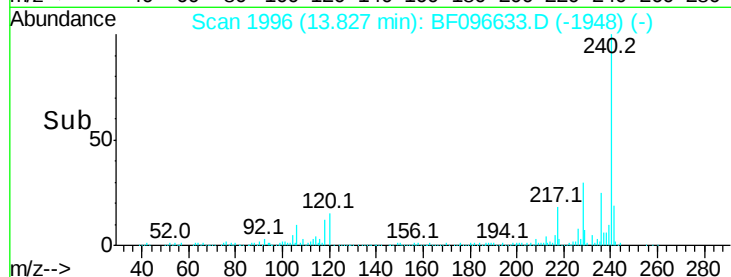
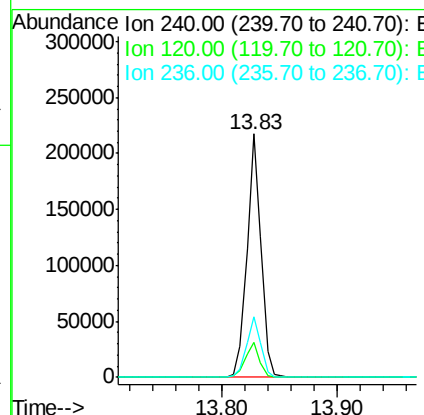
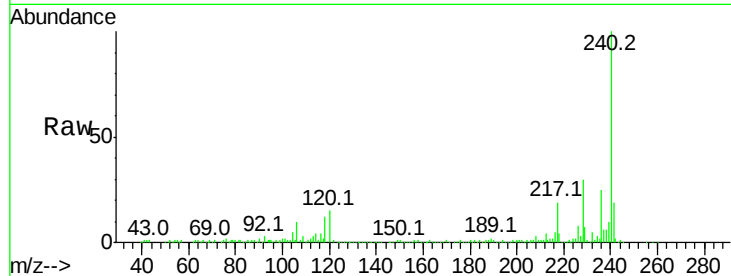
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-CDL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	183710		
120	14.5	5.8	8.8#	
236	24.9	20.5	30.7	

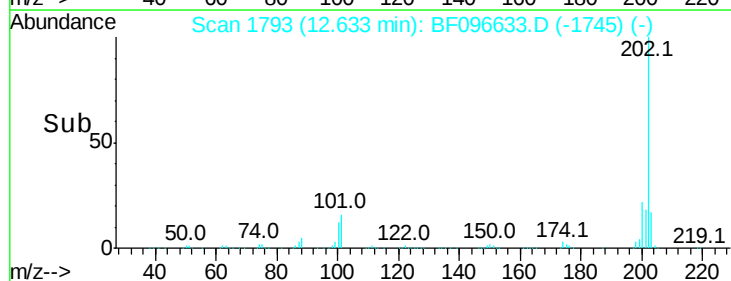
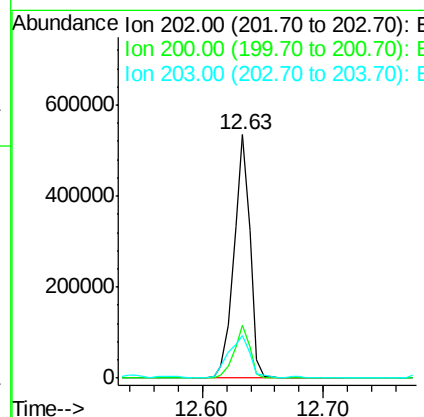
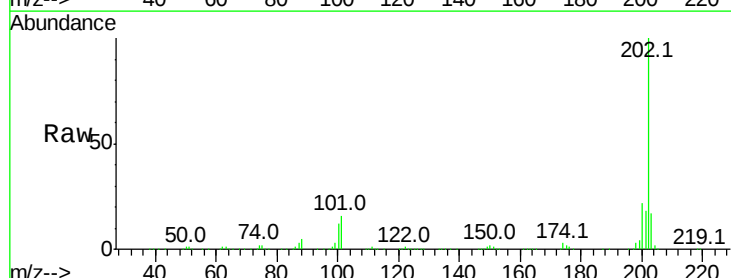
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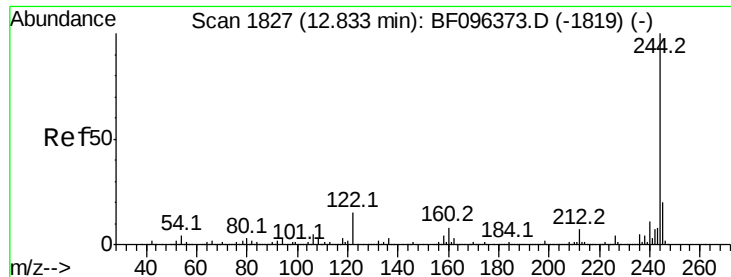
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#77
Pyrene
Concen: 33.38 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	492180		
200	21.8	17.6	26.4	
203	17.5	14.4	21.6	





#78

Terphenyl-d14

Concen: 15.79 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Instrument :

BNA_F

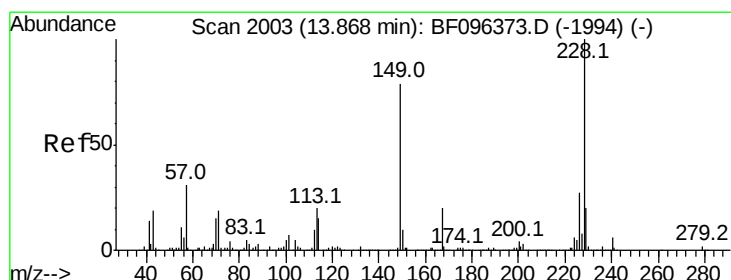
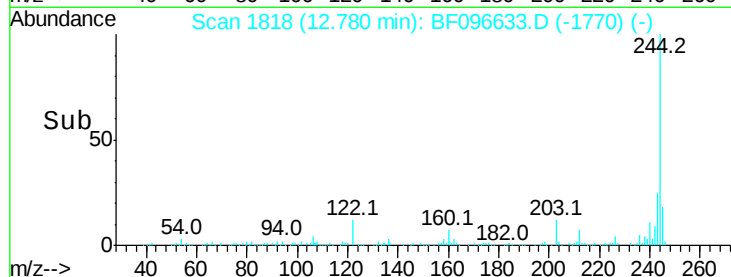
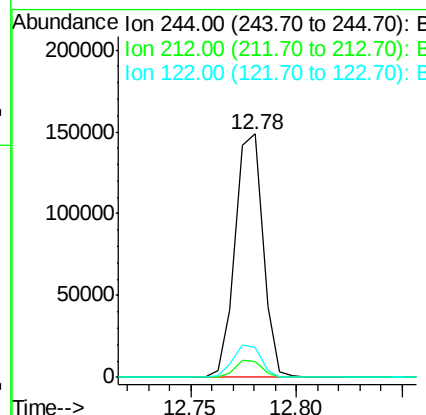
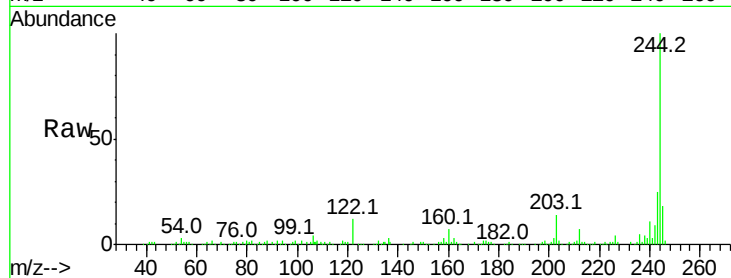
ClientSampleId :

BU-01-070617-CDL

Tot Ion:	244	Resp:	135756
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	12.4	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 24.55 ng

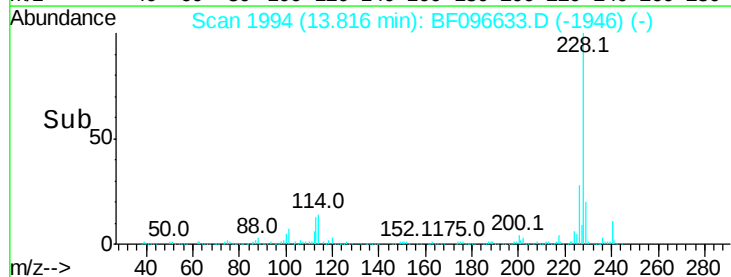
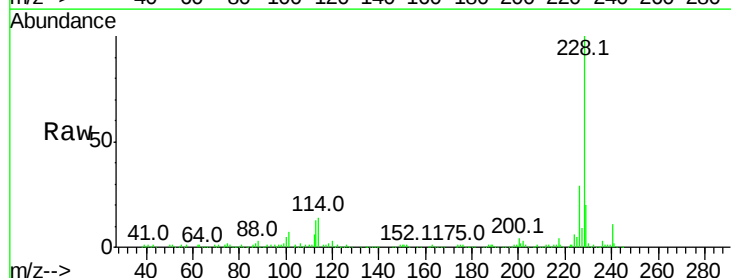
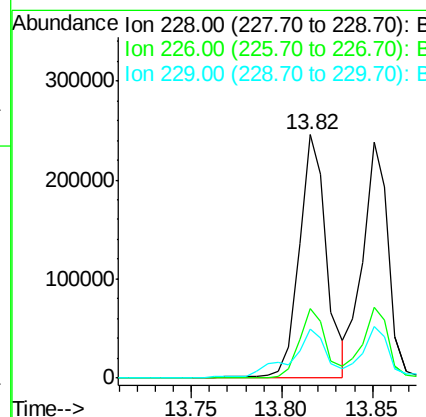
RT: 13.82 min Scan# 1994

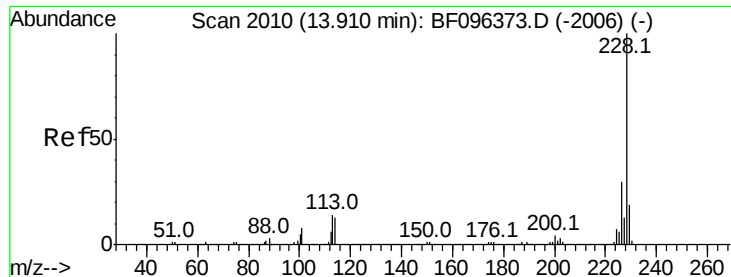
Delta R.T. -0.02 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Tgt Ion:	228	Resp:	261135
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	33.8
229	20.1	16.3	24.5





#82

Chrysene

Concen: 21.01 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Instrument :

BNA_F

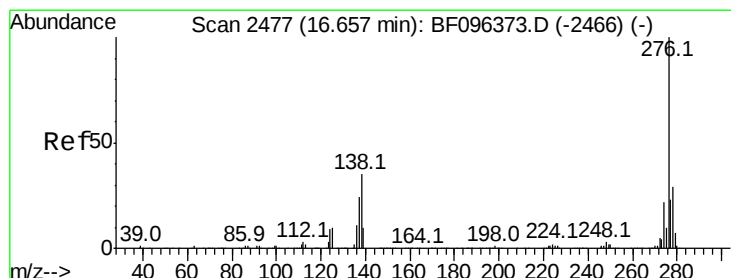
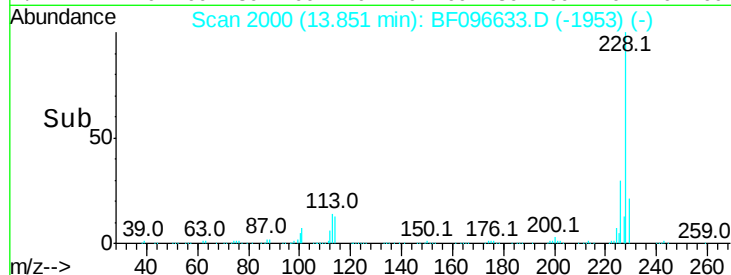
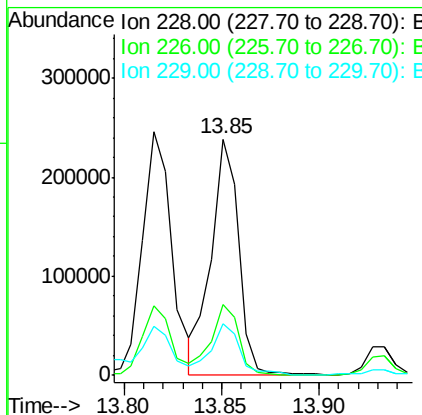
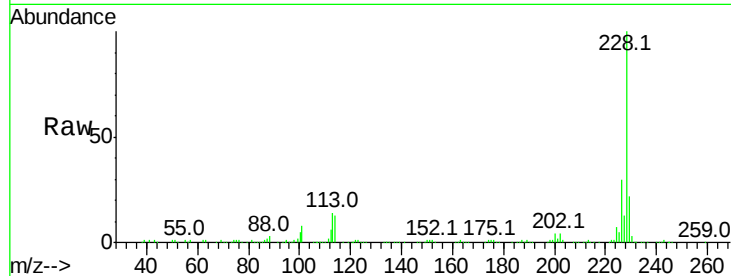
ClientSampleId :

BU-01-070617-CDL

Tot Ion:	228	Resp:	234098
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	21.8	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.14 ng

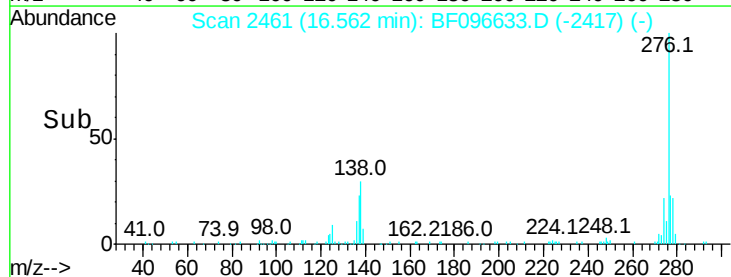
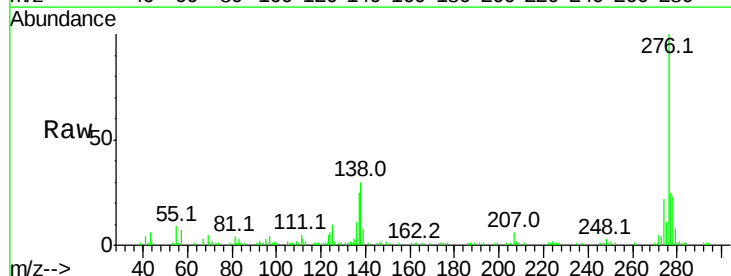
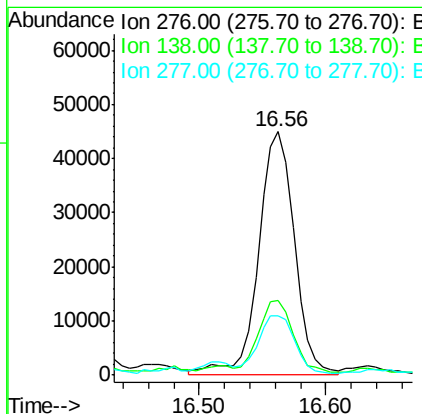
RT: 16.56 min Scan# 2461

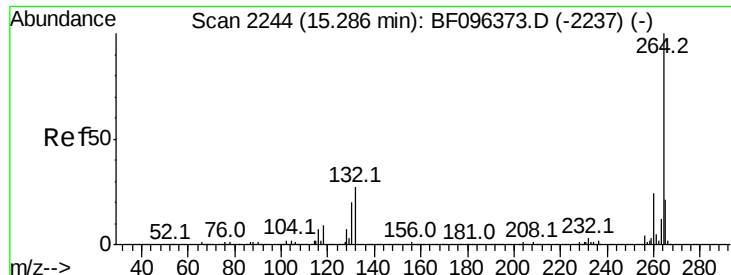
Delta R.T. -0.04 min

Lab File: BF096633.D

Acq: 11 Jul 2017 8:39

Tgt Ion:	276	Resp:	89137
Ion Ratio	Lower	Upper	
276	100		
138	30.0	27.8	41.6
277	24.0	20.2	30.4





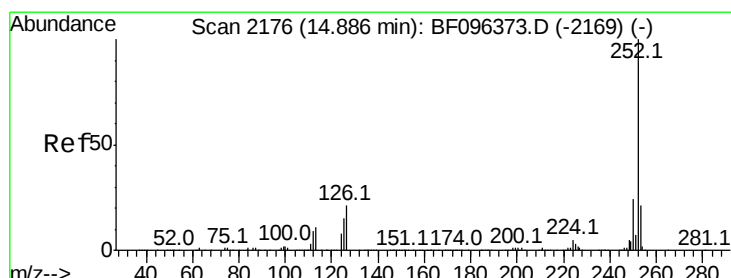
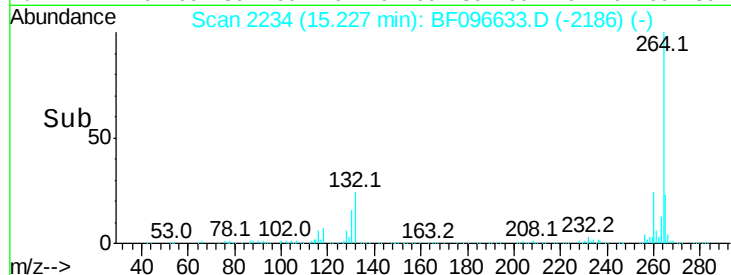
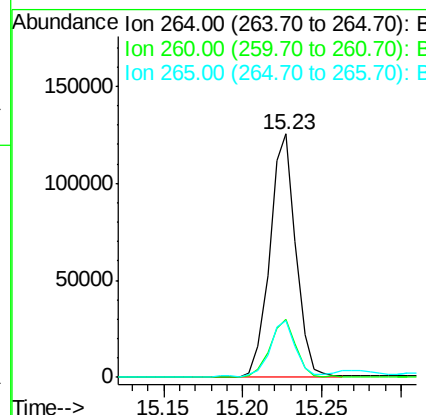
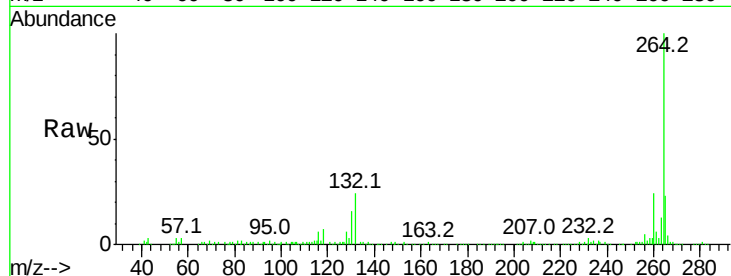
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-CDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	23.1	17.2	25.8

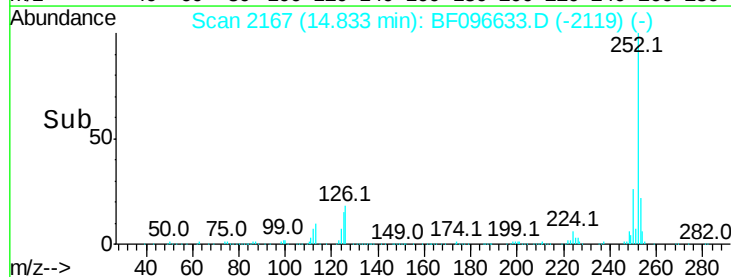
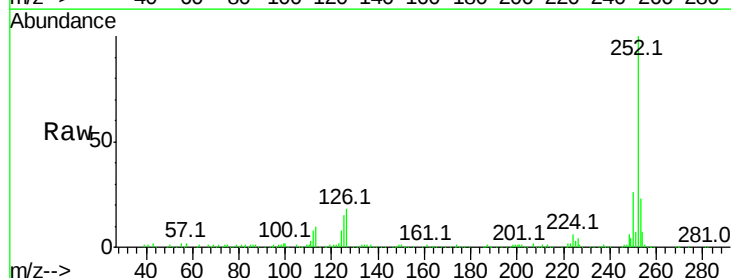
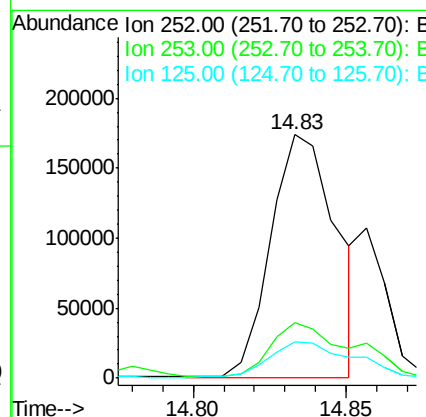
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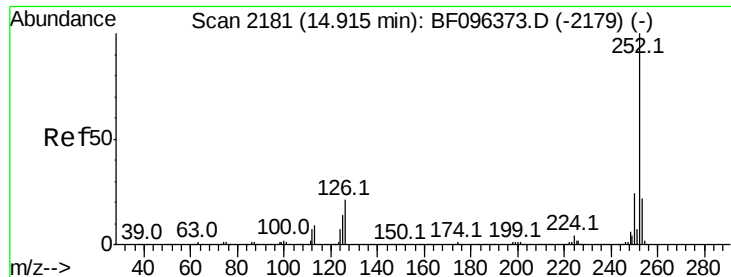
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#87
Benzo(b)fluoranthene
Concen: 28.73 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	15.1	9.8	14.8#





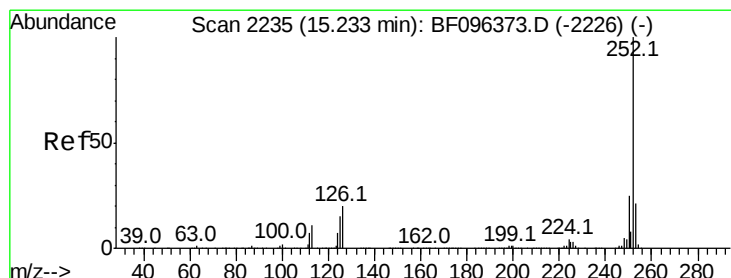
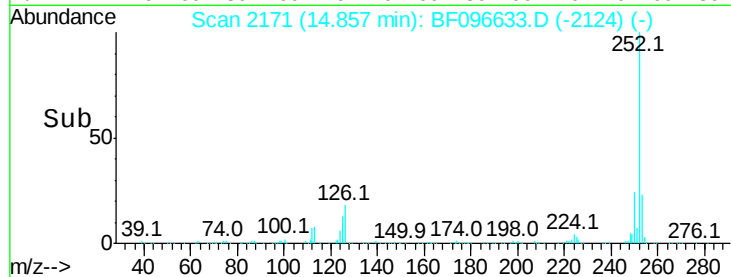
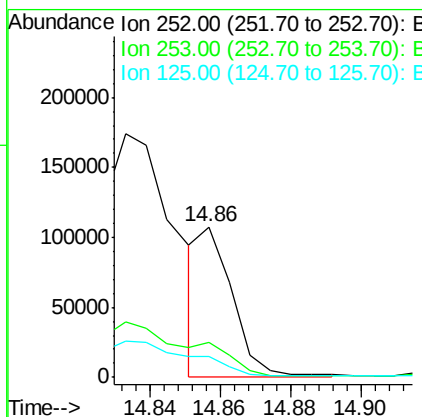
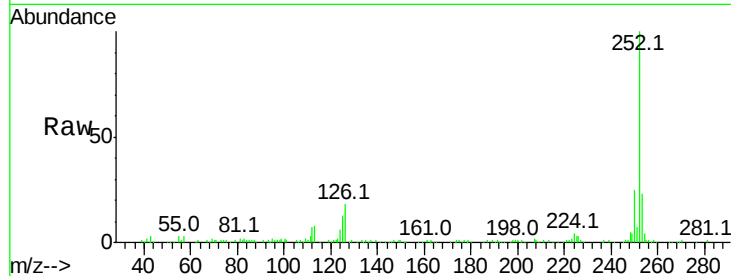
#88
Benzo(k)fluoranthene
Concen: 8.79 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-CDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	13.5	13.1	19.7

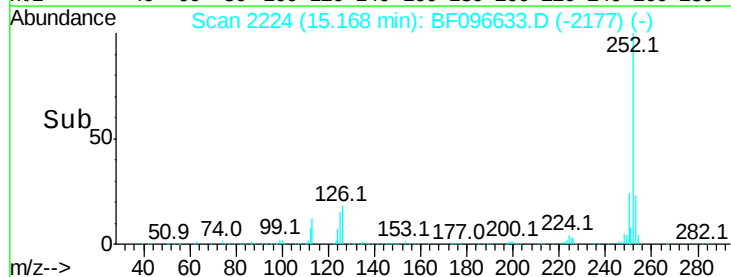
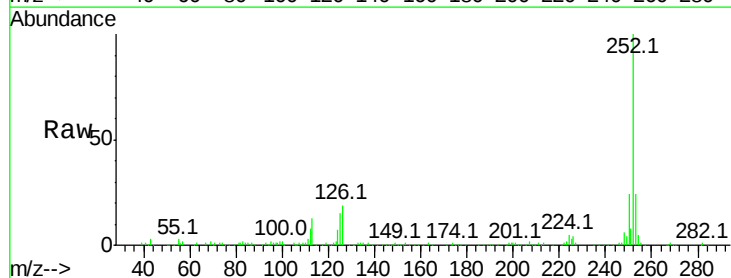
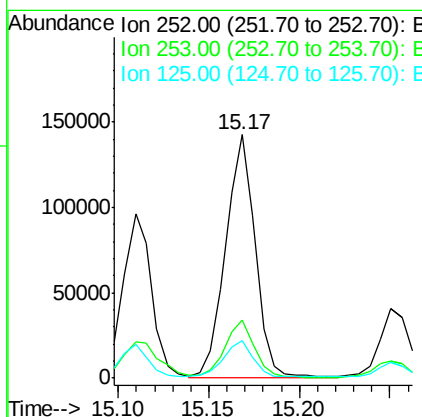
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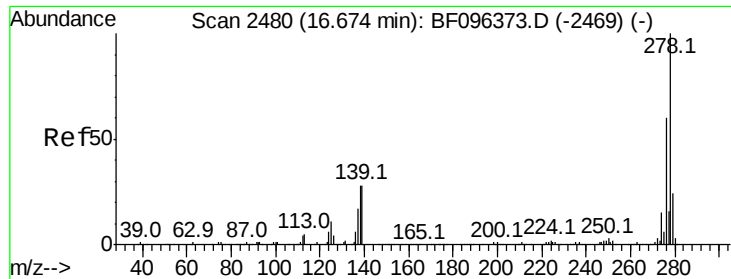
mohammad
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#89
Benzo(a)pyrene
Concen: 19.86 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	15.2	11.0	16.4





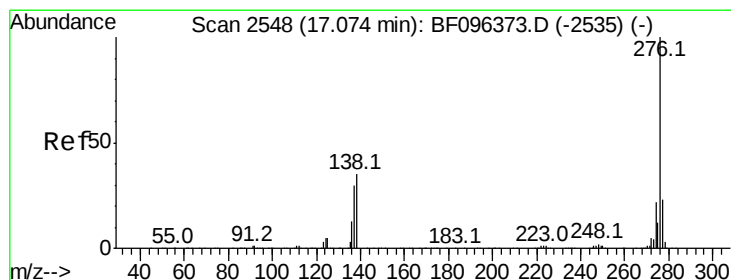
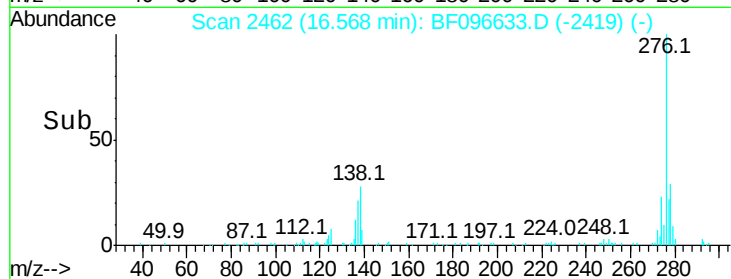
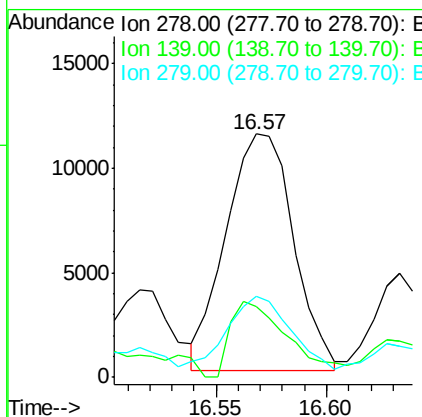
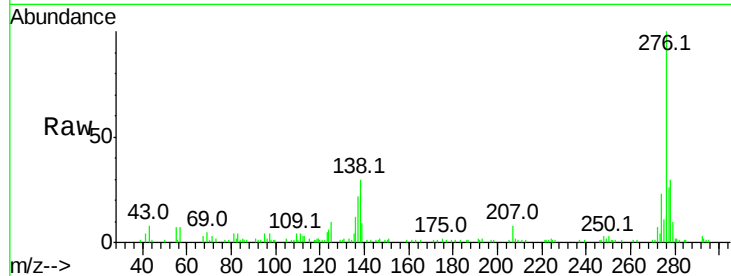
#90
Dibenzo(a,h)anthracene
Concen: 3.79 ng/ml
RT: 16.57 min Scan# 2462
Delta R.T. -0.05 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Instrument :
BNA_F
ClientSampleId :
BU-01-070617-CDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.9	16.6	24.8
279	33.4	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 11.30 ng/ml
RT: 16.96 min Scan# 2529
Delta R.T. -0.04 min
Lab File: BF096633.D
Acq: 11 Jul 2017 8:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	28.5	25.4	38.0

