

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096024.D
 Acq On : 20 Jun 2017 3:02
 Operator : SJ/MA
 Sample : I3688-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G16-0-1.5

Manual Integrations
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Quant Time: Jun 20 04:23:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	69546	20.00	ng	-0.02
21) Naphthalene-d8	9.33	136	268392	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	104766	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	153325	20.00	ng	-0.02
75) Chrysene-d12	18.29	240	125067	20.00	ng	-0.01
86) Perylene-d12	19.97	264	92342	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	491278	112.56	ng	-0.03
7) Phenol-d6	6.89	99	582206	111.43	ng	-0.02
23) Nitrobenzene-d5	8.23	82	345396	79.92	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	89028	96.05	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	634109	84.23	ng	-0.02
78) Terphenyl-d14	16.93	244	400769	79.53	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.37	128	138212	10.26	ng	99
37) 2-Methylnaphthalene	10.50	142	90975	10.00	ng	98
45) 1,1'-Biphenyl	11.27	154	27771	3.22	ng	94
48) Acenaphthylene	11.93	152	100184	8.68	ng	99
49) Dimethylphthalate	11.81	163	184801	23.23	ng	100
51) Acenaphthene	12.21	154	25528	3.83	ng	97
54) Dibenzofuran	12.50	168	78113	8.33	ng	96
57) Fluorene	13.05	166	36911	4.52	ng	94
70) Phenanthrene	14.59	178	330636	37.37	ng	97
71) Anthracene	14.67	178	178373	19.31	ng	98
72) Carbazole	14.99	167	44087	4.90	ng	98
74) Fluoranthene	16.38	202	640144	73.11	ng	99
77) Pvrene	16.68	202	617222	66.14	ng	96
80) Benzo(a)anthracene	18.27	228	292495m	40.23	ng	
82) Chrysene	18.32	228	326175	44.89	ng	97
83) Bis(2-ethylhexyl)phthalate	18.36	149	32655	5.68	ng	# 97
85) Indeno(1,2,3-cd)pvrene	21.13	276	120225	19.34	ng	# 92
87) Benzo(b)fluoranthene	19.56	252	399401m	69.07	ng	
88) Benzo(k)fluoranthene	19.59	252	91118m	16.49	ng	
89) Benzo(a)pvrene	19.91	252	159482	30.01	ng	# 92
90) Dibenzo(a,h)anthracene	21.12	278	43467	9.64	ng	# 82
91) Benzo(g,h,i)perylene	21.46	276	106078	23.08	ng	99

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

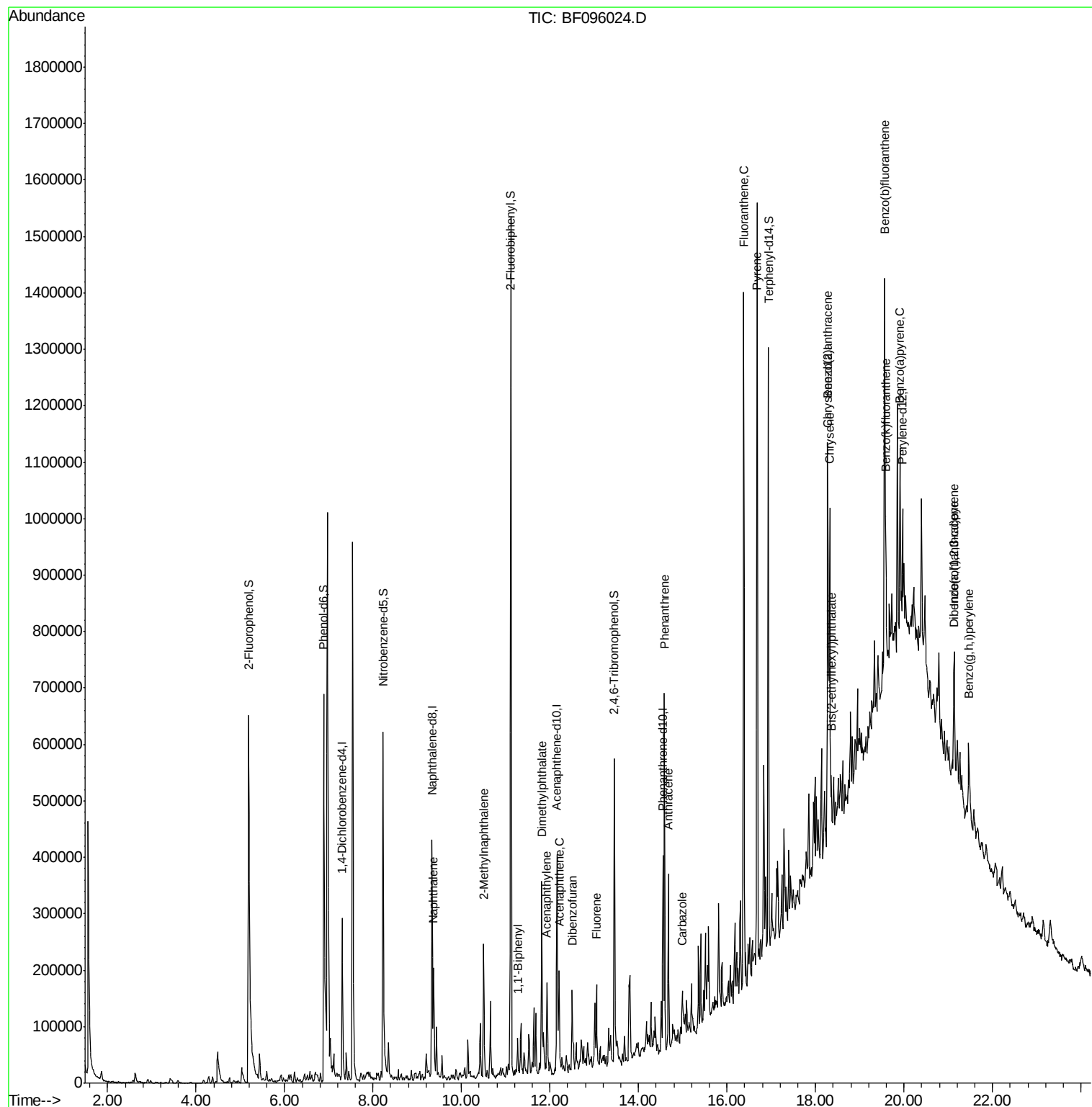
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

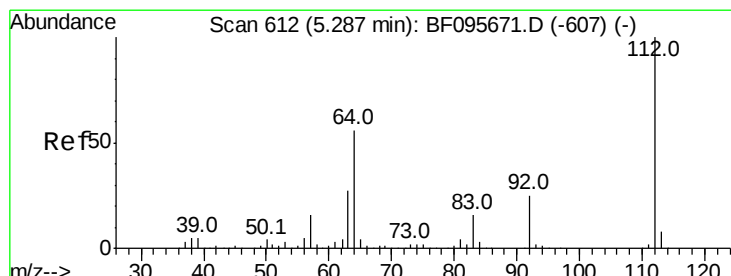
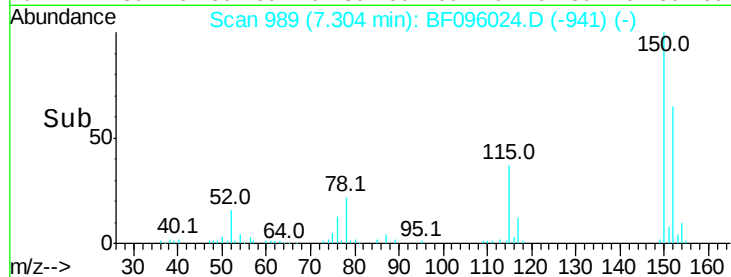
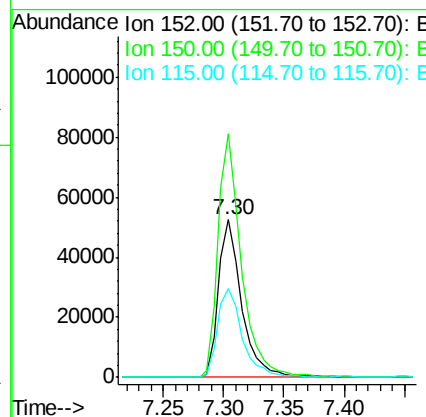
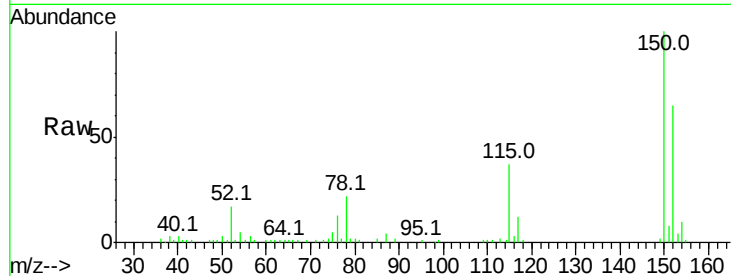
ClientSampled :

G16-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	56.6	52.2	78.2

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#5

2-Fluorophenol

Concen: 112.56 ng

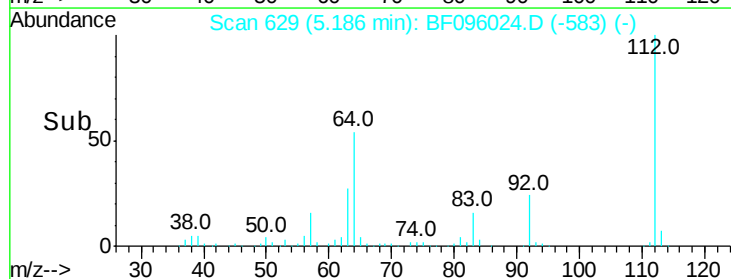
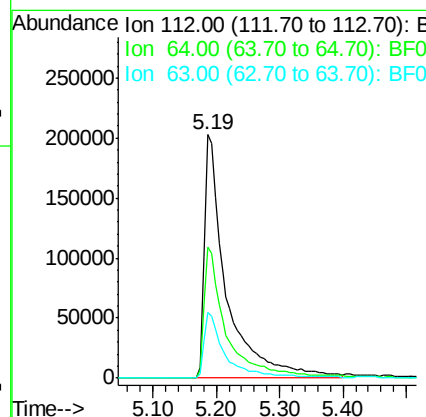
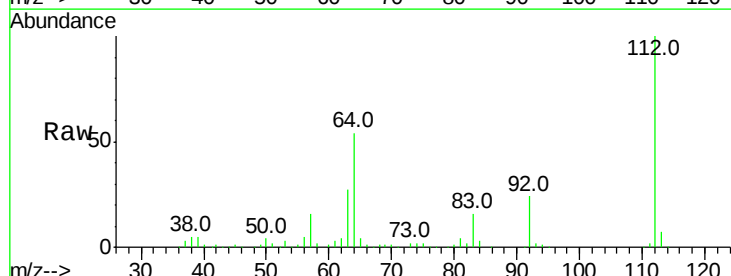
RT: 5.19 min Scan# 629

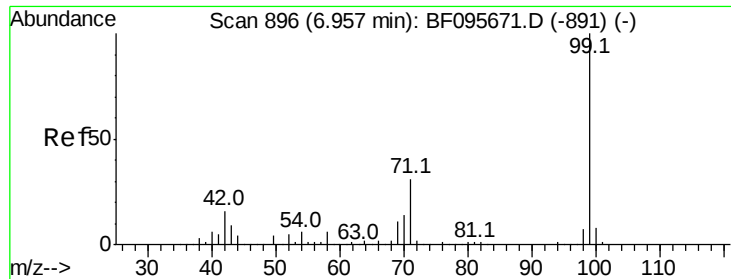
Delta R.T. -0.03 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.0	69.0
63	26.9	23.4	35.0





#7

Phenol-d6

Concen: 111.43 ng

RT: 6.89 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

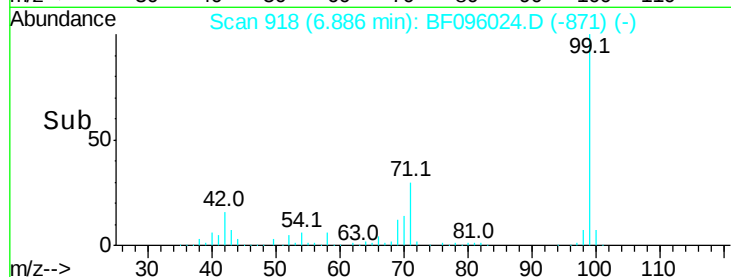
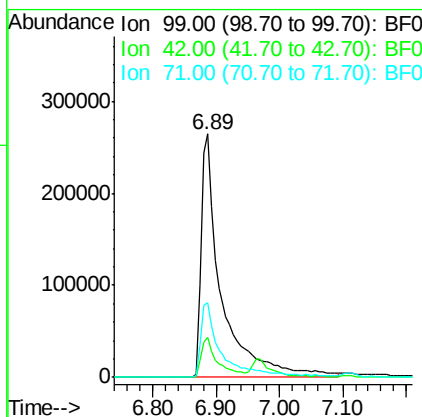
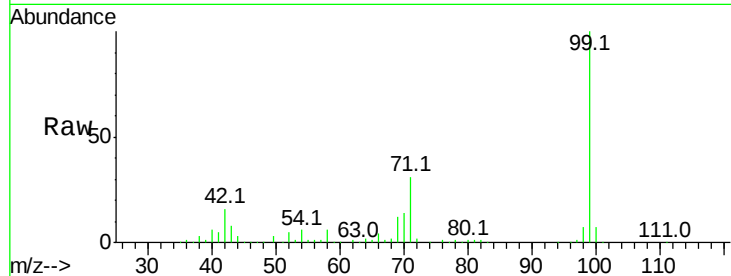
ClientSampleId :

G16-0-1.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		582206		
42	16.2	13.5	20.3		
71	30.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

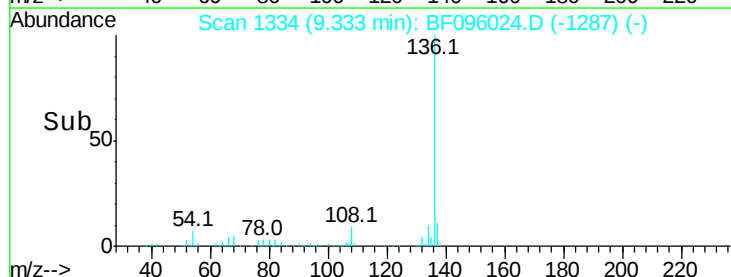
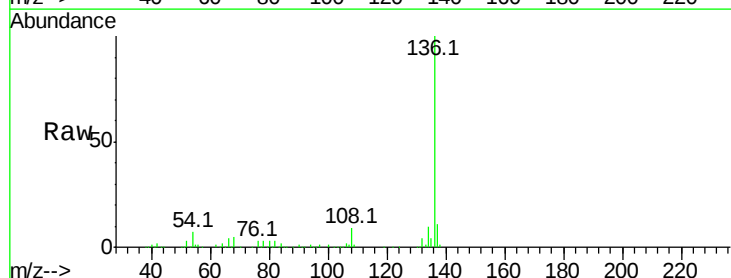
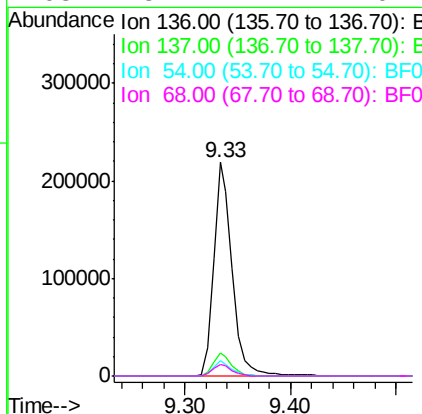
RT: 9.33 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		268392		
137	10.6	8.5	12.7		
54	7.1	4.9	7.3		
68	5.4	4.1	6.1		





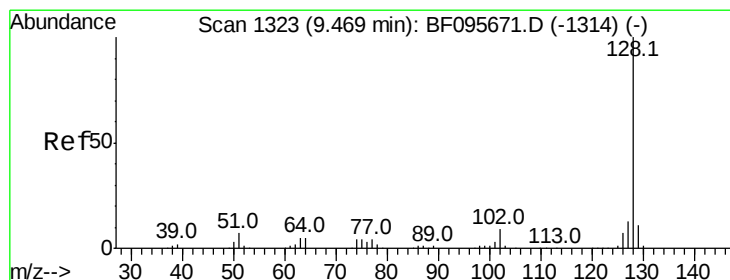
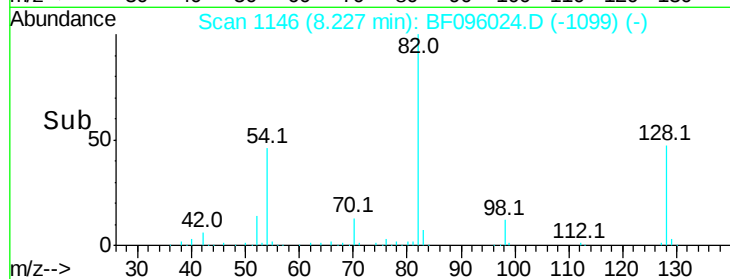
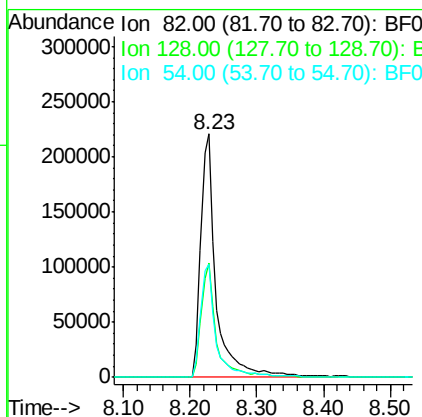
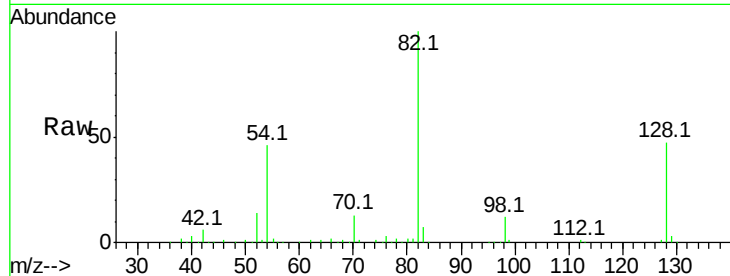
#23
 Nitrobenzene-d5
 Concen: 79.92 ng
 RT: 8.23 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Instrument :
 BNA_F
 ClientSampled :
 G16-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	34.0	51.0	
54	46.4	42.2	63.2	

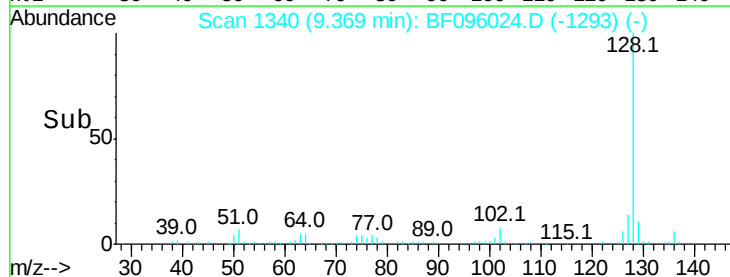
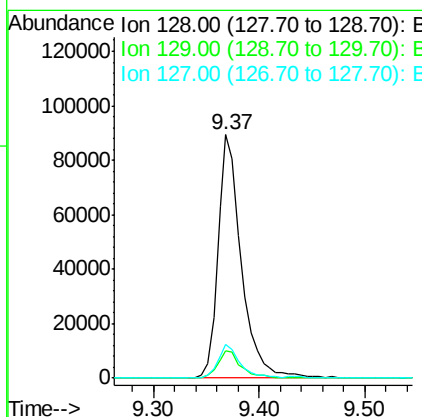
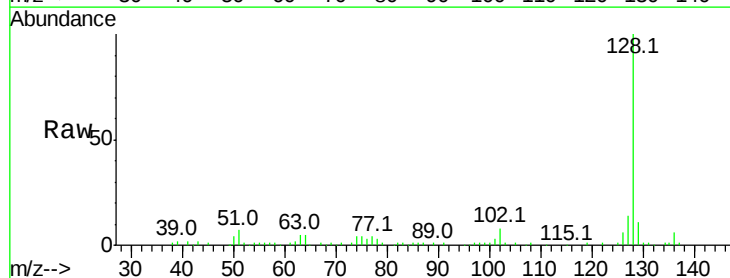
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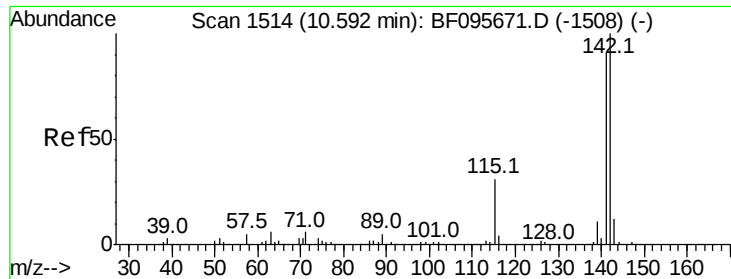
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#31
 Naphthalene
 Concen: 10.26 ng
 RT: 9.37 min Scan# 1340
 Delta R.T. -0.02 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	9.0	13.6	
127	13.7	10.8	16.2	





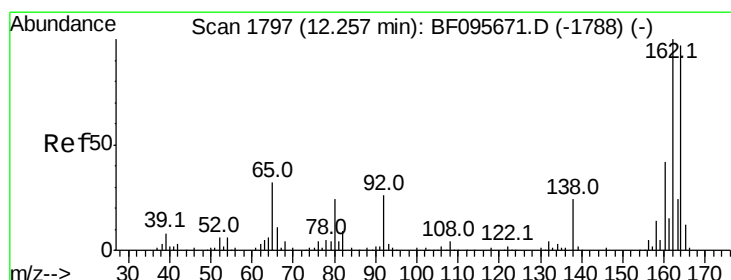
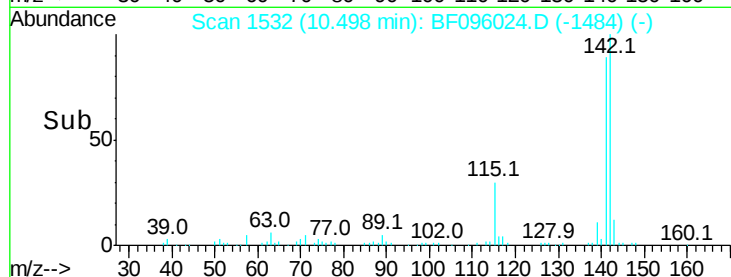
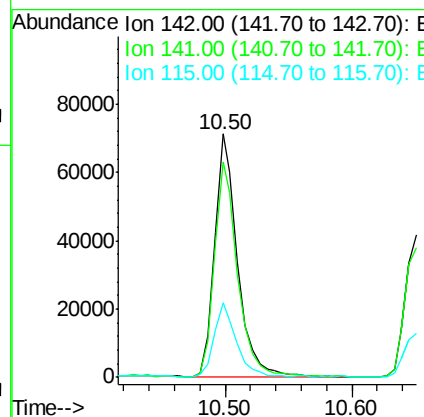
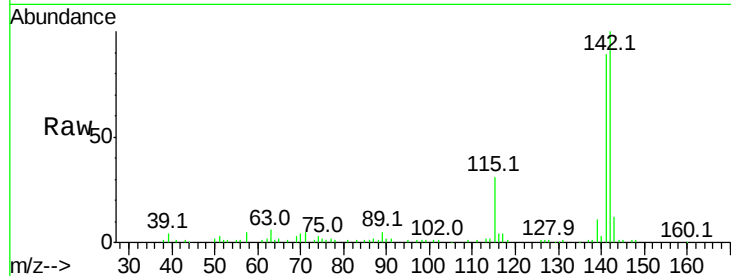
#37
2-Methylnaphthalene
Concen: 10.00 ng
RT: 10.50 min Scan# 1532
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampleId :
G16-0-1.5

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9
115	30.7	27.1	40.7

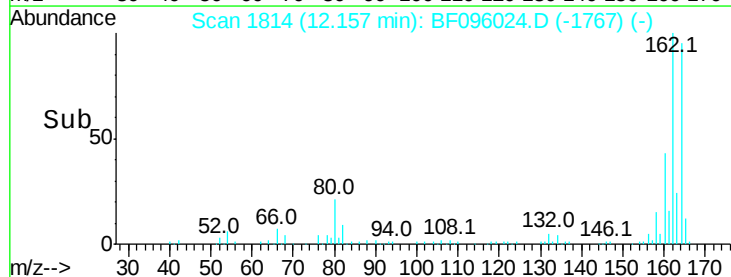
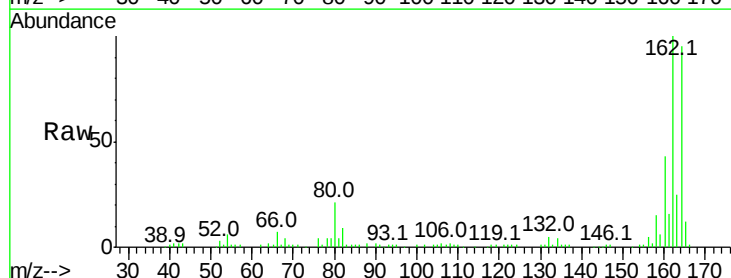
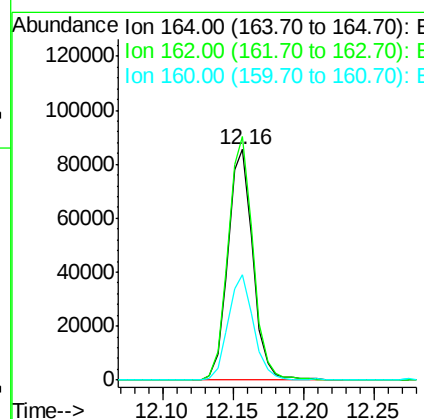
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.16 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	82.6	123.8
160	45.6	36.2	54.2





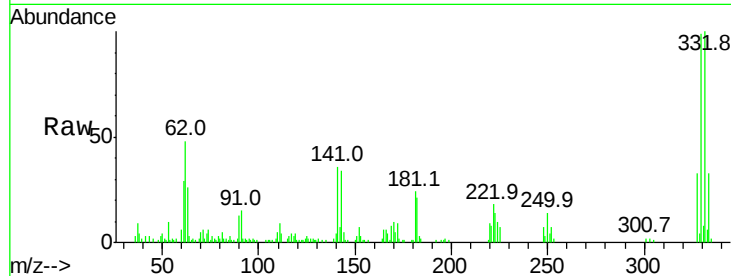
#41
 2,4,6-Tribromophenol
 Concen: 96.05 ng
 RT: 13.46 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Instrument :
 BNA_F
 ClientSampleId :
 G16-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.6	115.0	
141	41.1	31.4	47.2	

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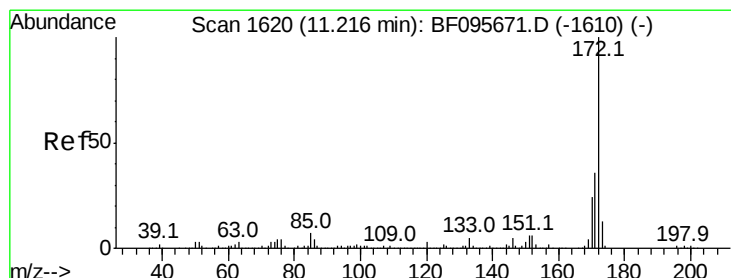
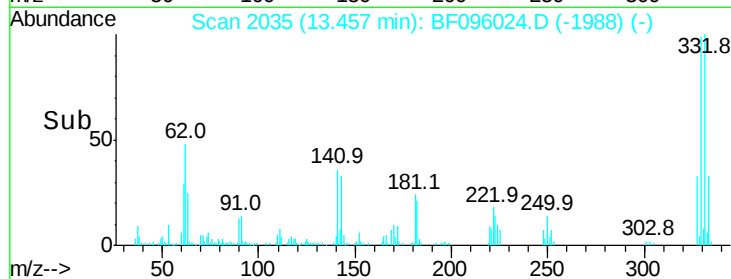
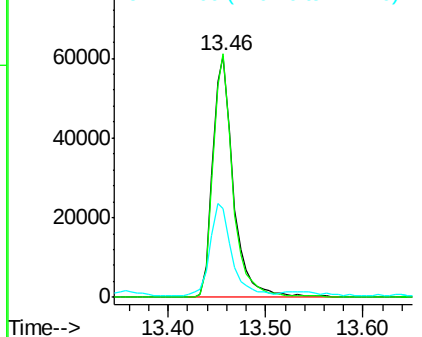


Abundance

Ion 329.80 (329.50 to 330.50): E

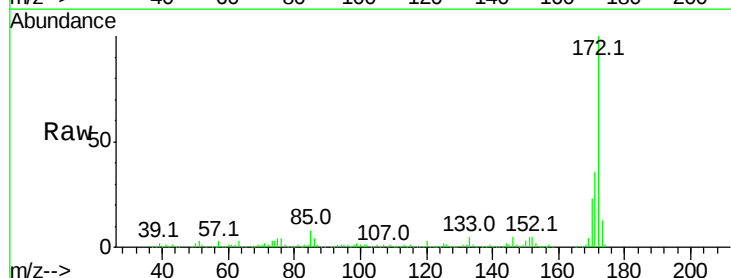
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 84.23 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.6	44.4	
170	23.5	19.8	29.8	

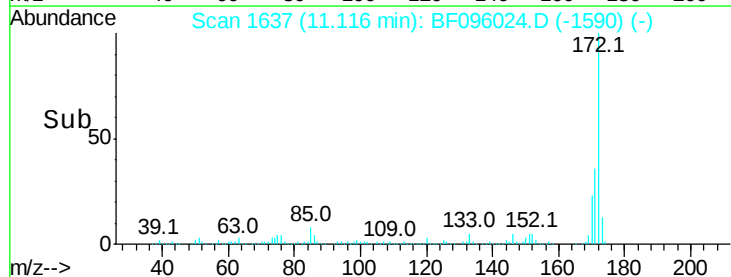
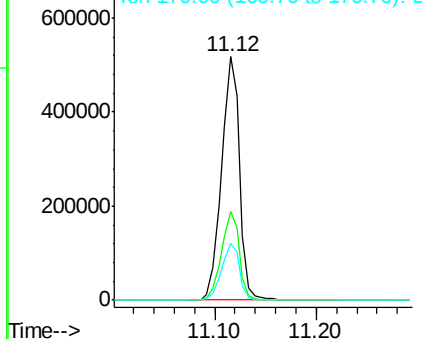


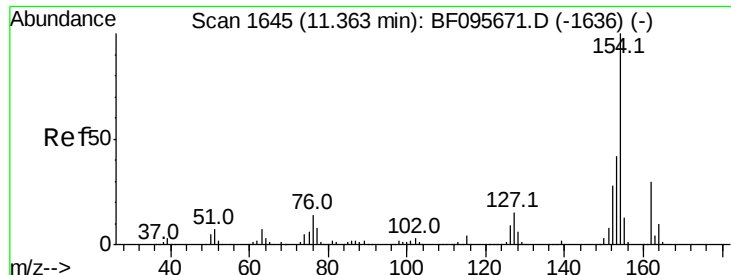
Abundance

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





#45

1,1'-Biphenyl

Concen: 3.22 ng

RT: 11.27 min Scan# 1663

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

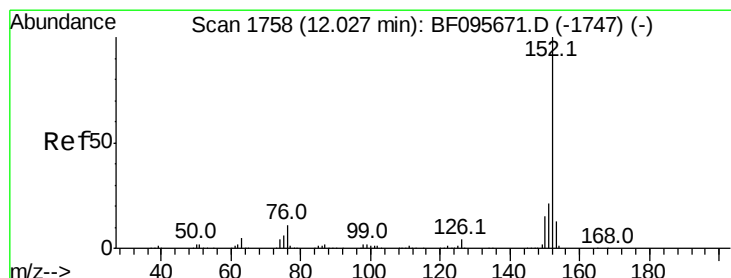
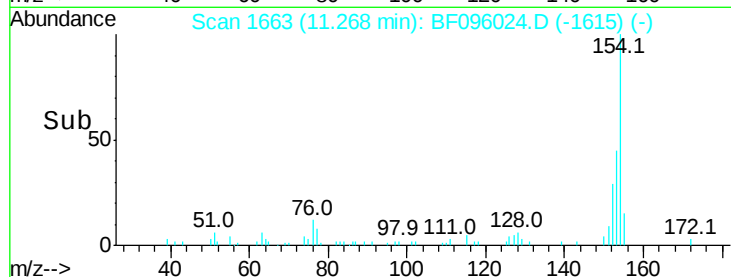
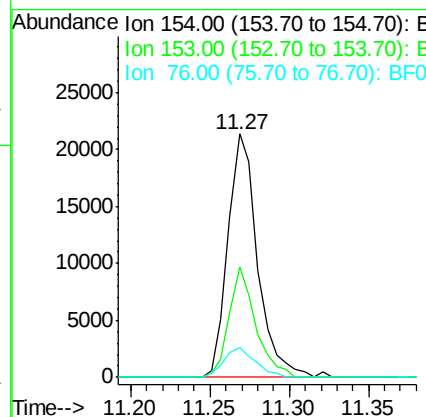
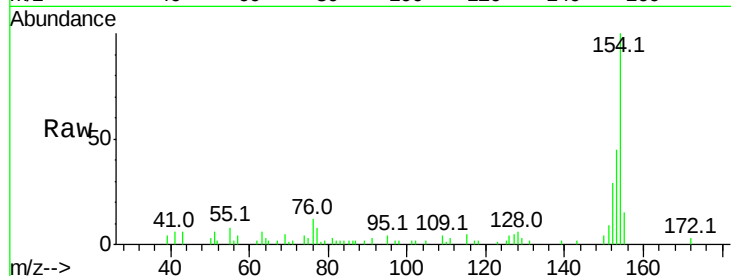
ClientSampleId :

G16-0-1.5

Tot Ion:	154	Resp:	27771
Ion Ratio	Lower	Upper	
154	100		
153	45.2	21.2	61.2
76	12.4	0.0	29.9

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#48

Acenaphthylene

Concen: 8.68 ng

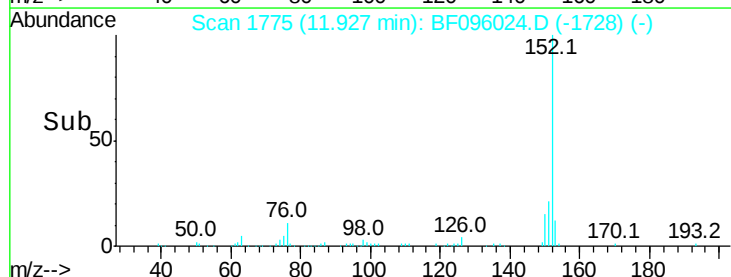
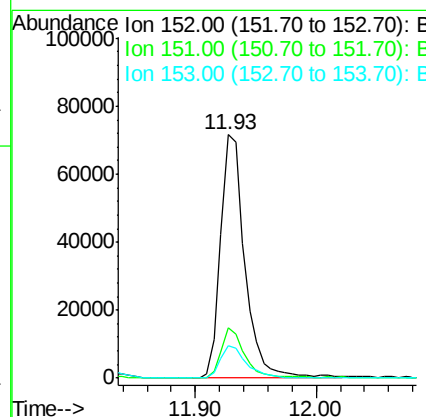
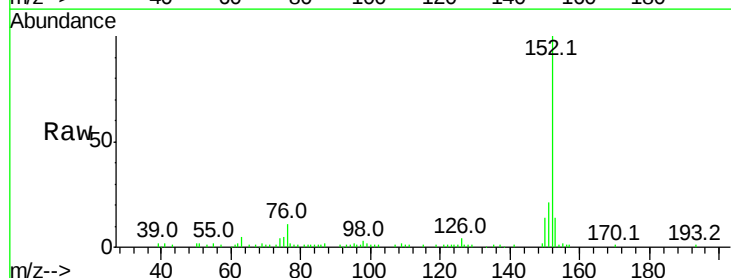
RT: 11.93 min Scan# 1775

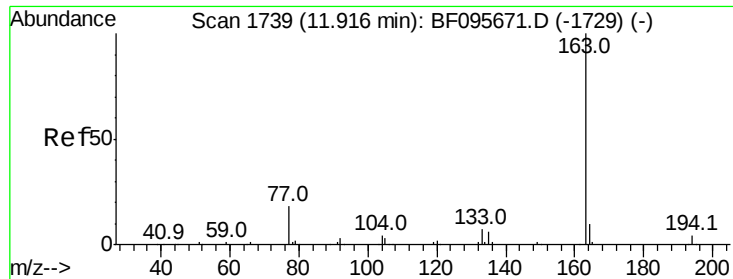
Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Tgt Ion:	152	Resp:	100184
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.8	25.2
153	13.5	10.8	16.2





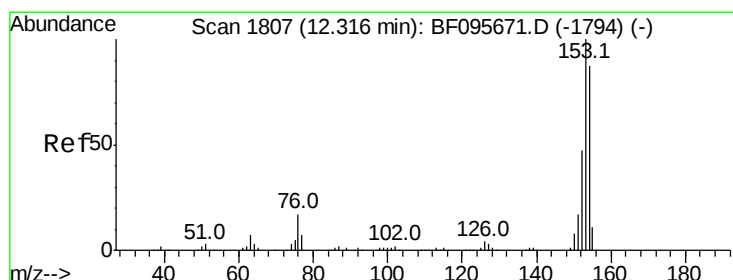
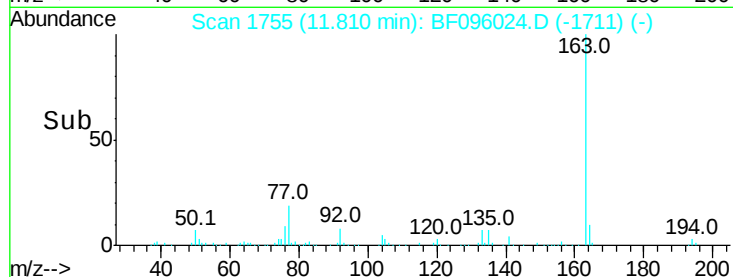
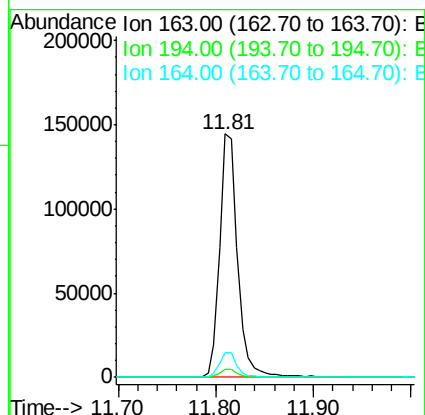
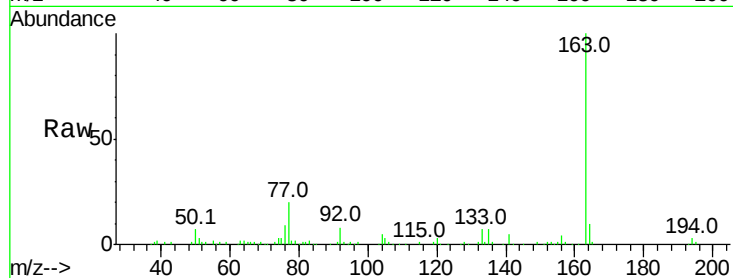
#49
Dimethylphthalate
Concen: 23.23 ng
RT: 11.81 min Scan# 1755
Delta R.T. -0.04 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampleId :
G16-0-1.5

Tot Ion:	163	Resp:	184801
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.6	4.0
164	10.4	8.4	12.6

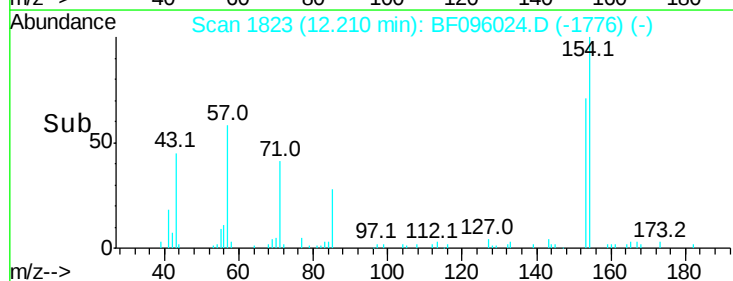
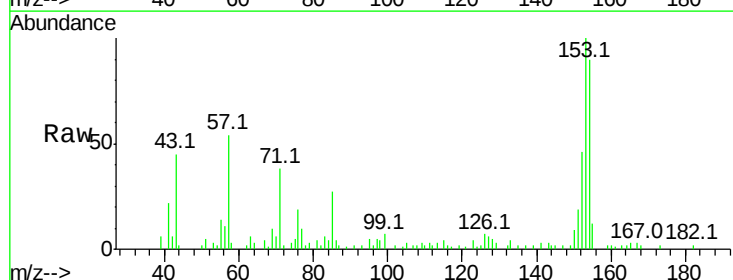
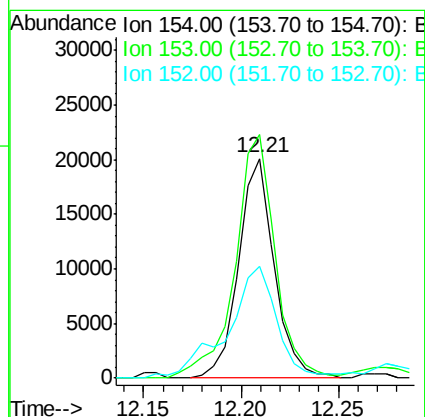
Manual Integrations
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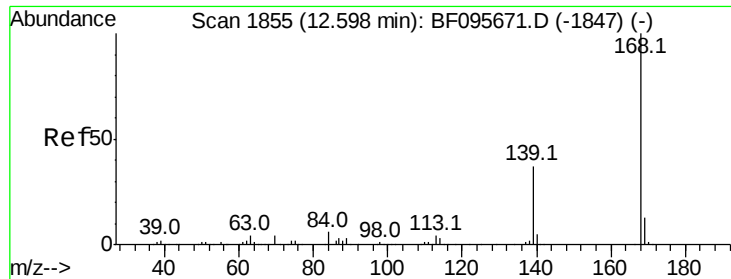
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#51
Acenaphthene
Concen: 3.83 ng
RT: 12.21 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion:	154	Resp:	25528
Ion Ratio	Lower	Upper	
154	100		
153	110.7	90.5	135.7
152	50.8	43.6	65.4





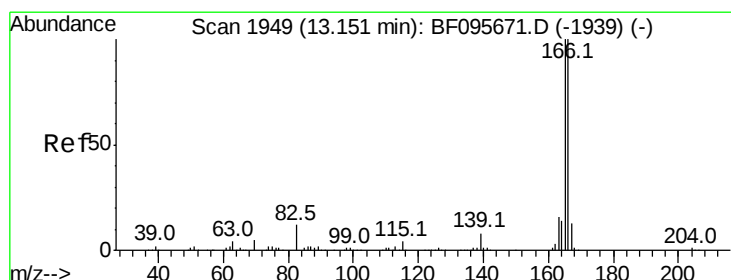
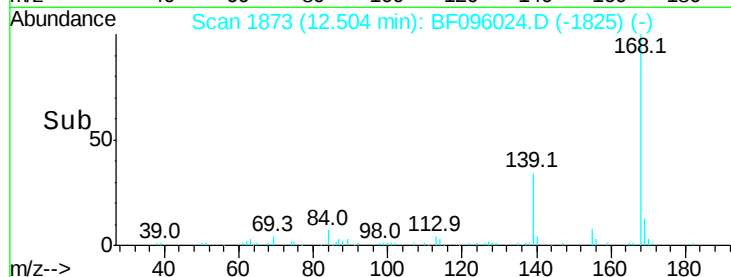
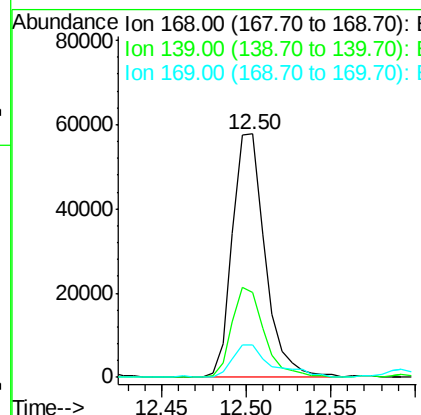
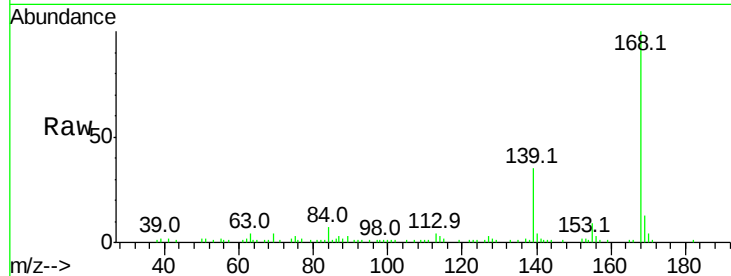
#54
Dibenzenofuran
Concen: 8.33 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampleId :
G16-0-1.5

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.7	30.6	45.8
169	13.3	10.8	16.2

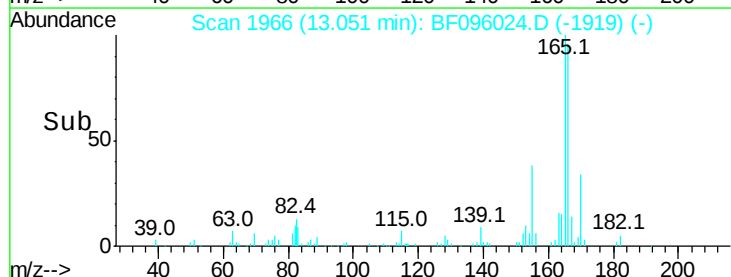
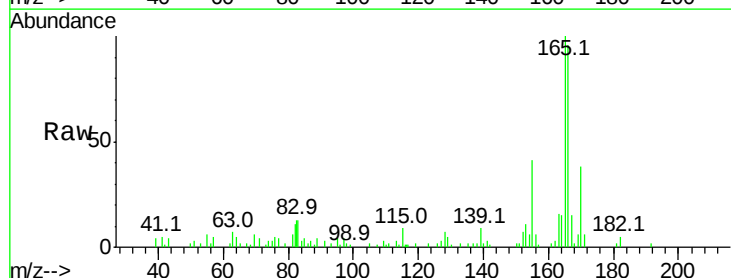
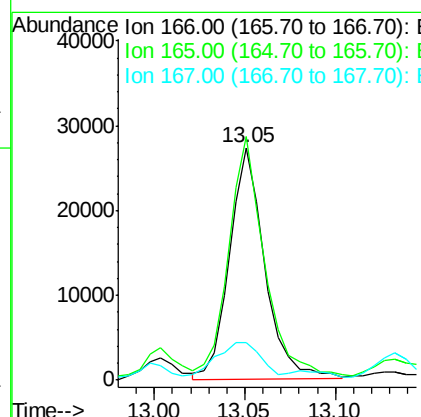
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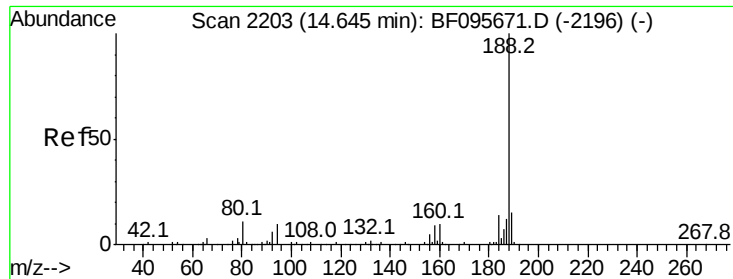
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#57
Fluorene
Concen: 4.52 ng
RT: 13.05 min Scan# 1966
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.6	78.8	118.2
167	15.9	10.6	16.0





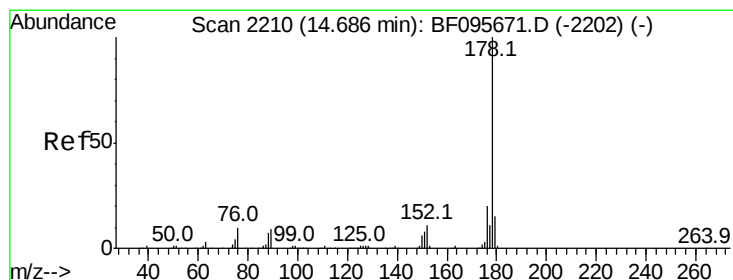
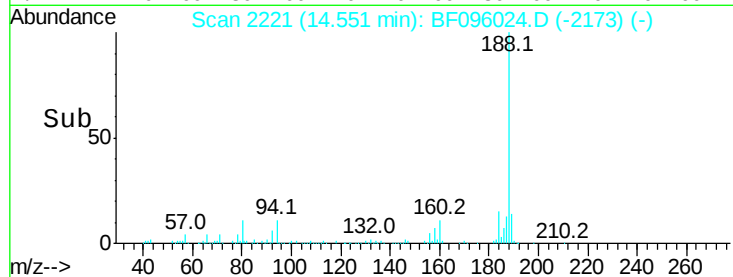
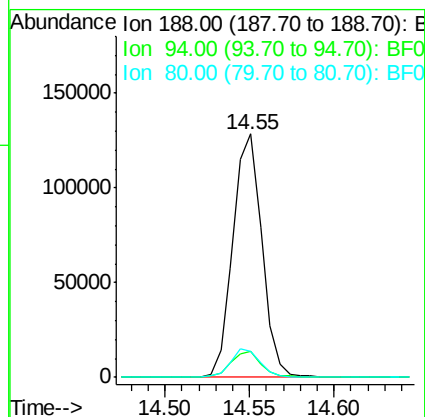
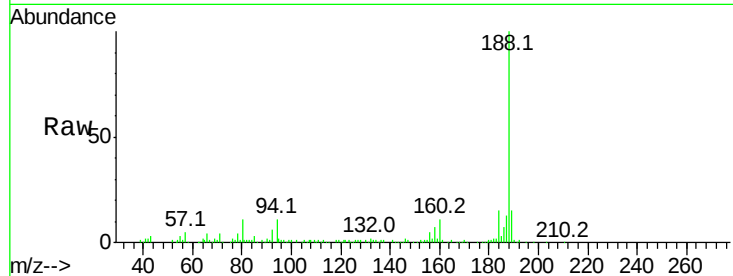
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampleId :
G16-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	153325		
94	10.6		9.4	14.2
80	10.6		10.2	15.2

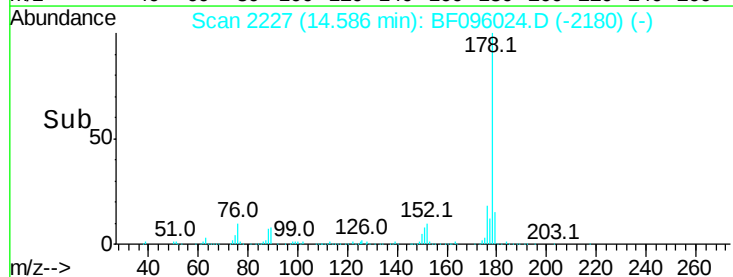
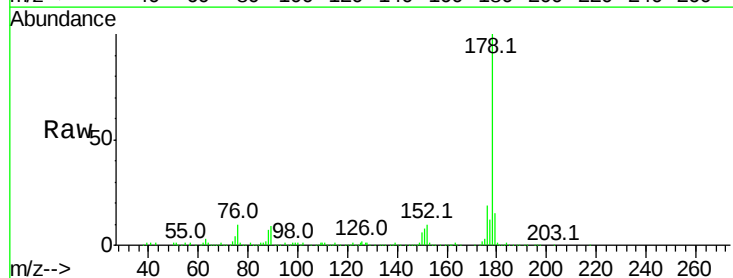
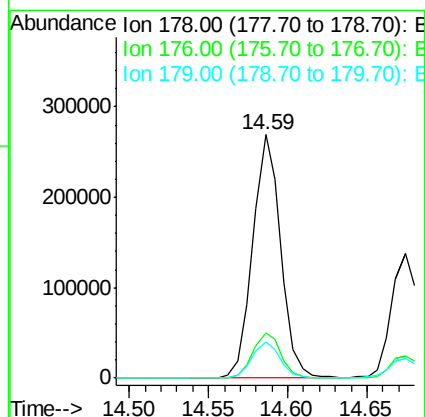
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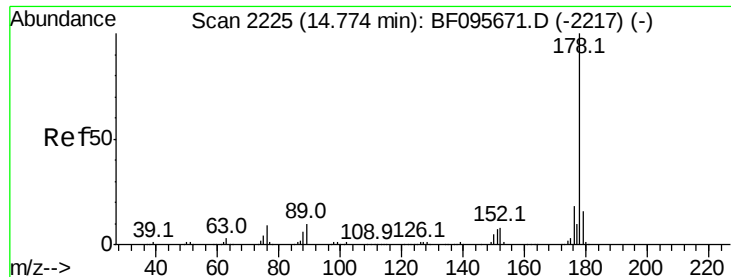
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#70
Phenanthrene
Concen: 37.37 ng
RT: 14.59 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	330636		
176	18.5		16.2	24.4
179	14.7		12.6	19.0





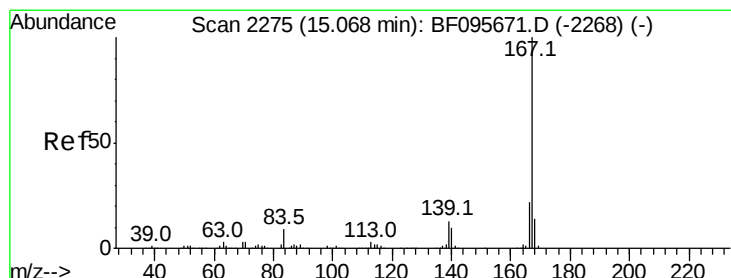
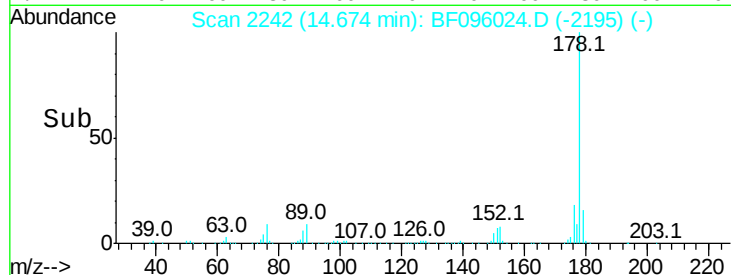
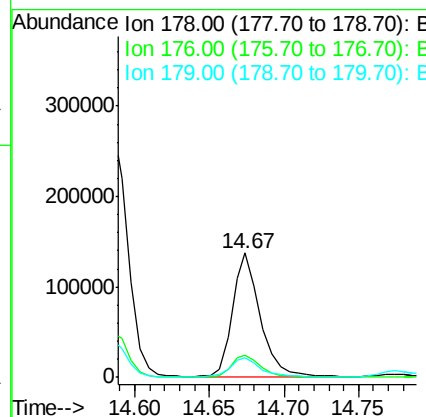
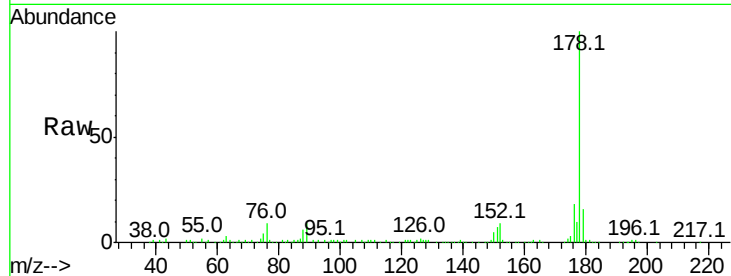
#71
 Anthracene
 Concen: 19.31 ng
 RT: 14.67 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Instrument :
 BNA_F
 ClientSampleId :
 G16-0-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.8	12.7	19.1

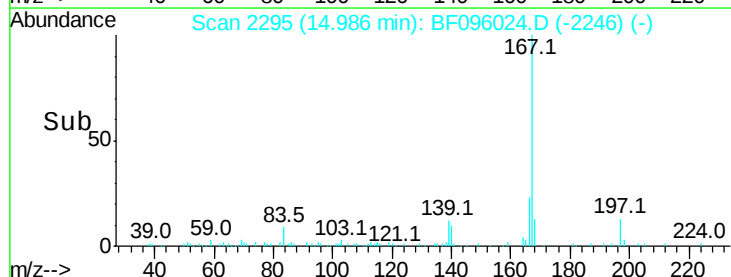
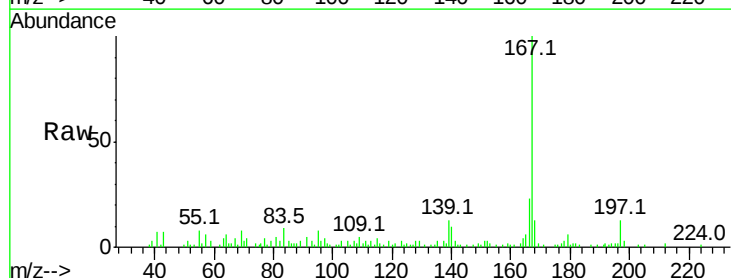
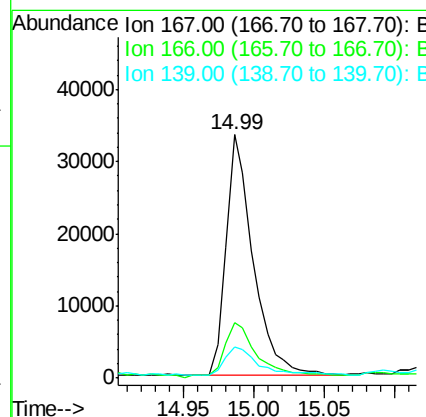
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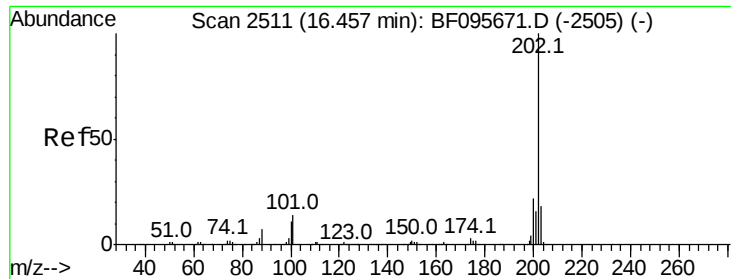
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#72
 Carbazole
 Concen: 4.90 ng
 RT: 14.99 min Scan# 2295
 Delta R.T. -0.01 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.1	27.1
139	12.8	11.7	17.5





#74

Fluoranthene

Concen: 73.11 ng

RT: 16.38 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

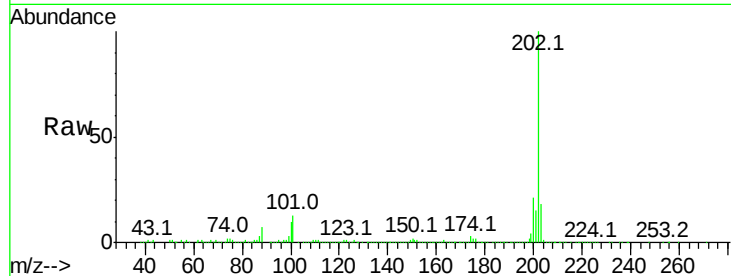
ClientSampleId :

G16-0-1.5

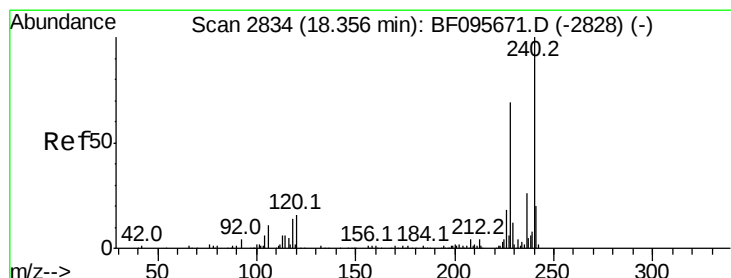
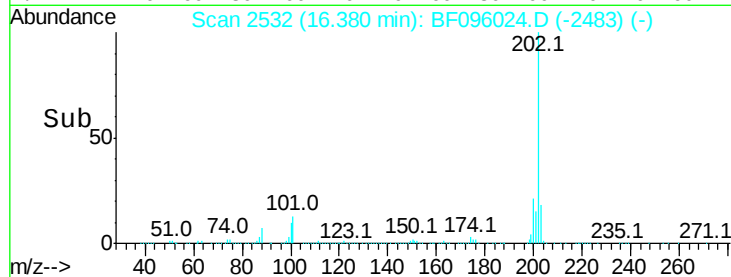
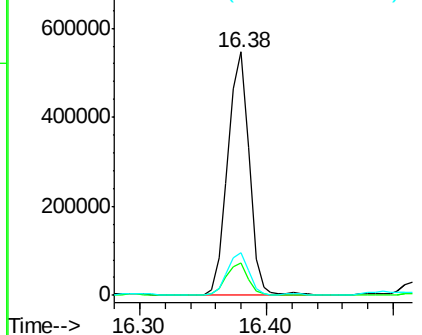
Tot Ion:	202	Resp:	640144
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.2
203	17.7	0.0	38.1

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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: 20.00 ng

RT: 18.29 min Scan# 2856

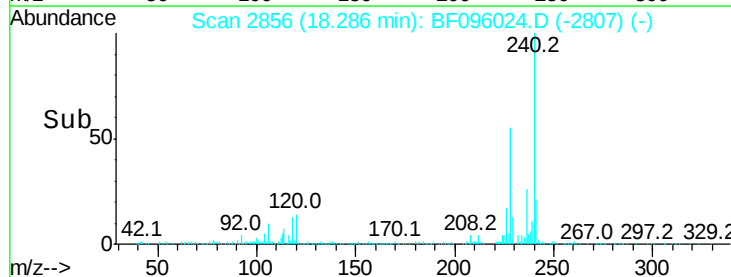
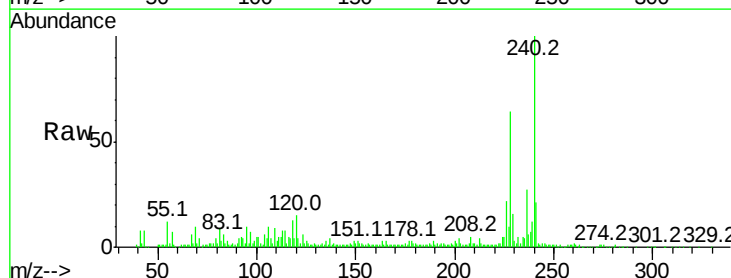
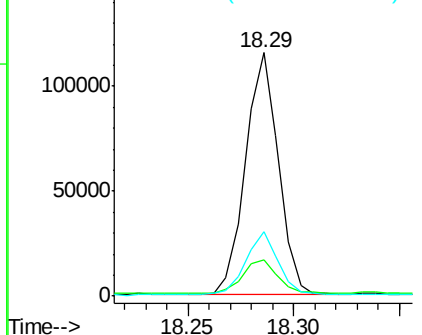
Delta R.T. -0.01 min

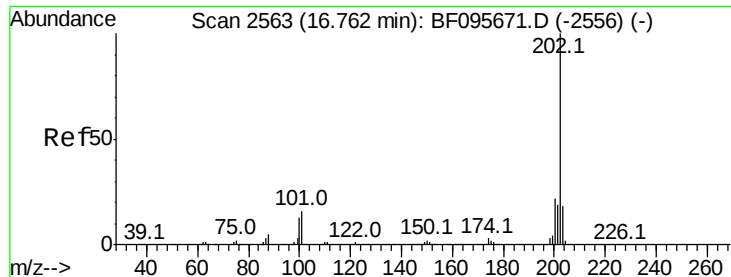
Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Tgt Ion:	240	Resp:	125067
Ion Ratio	Lower	Upper	
240	100		
120	14.7	5.8	8.8#
236	26.6	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

Pvrene

Concen: 66.14 ng

RT: 16.68 min Scan# 2583

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

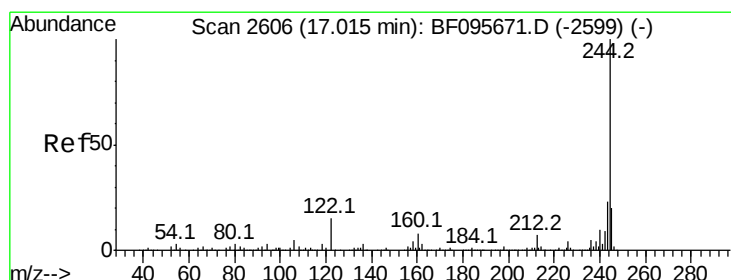
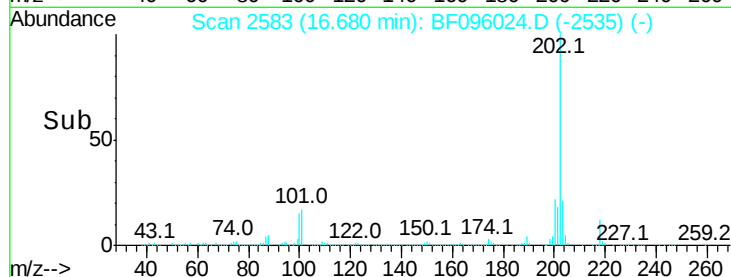
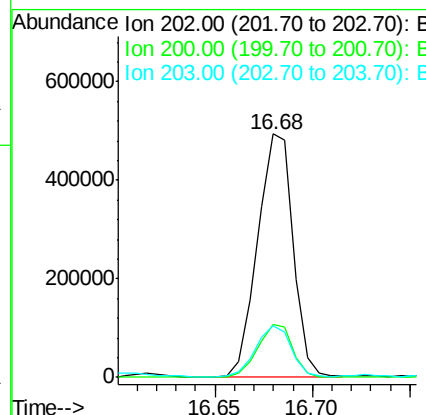
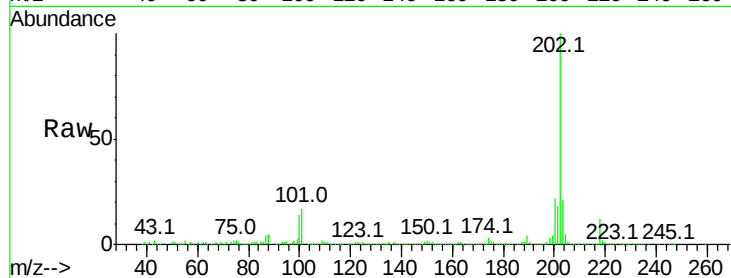
ClientSampleId :

G16-0-1.5

Tot Ion:	202	Resp:	617222
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	21.0	14.4	21.6

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#78

Terphenyl-d14

Concen: 79.53 ng

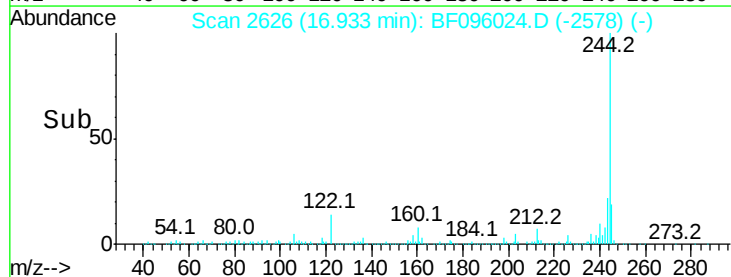
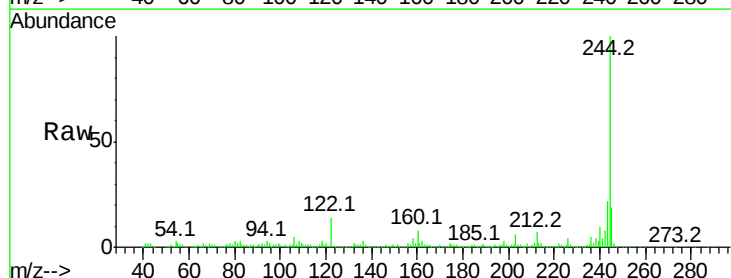
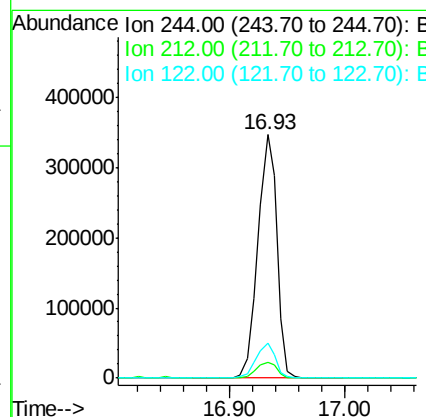
RT: 16.93 min Scan# 2626

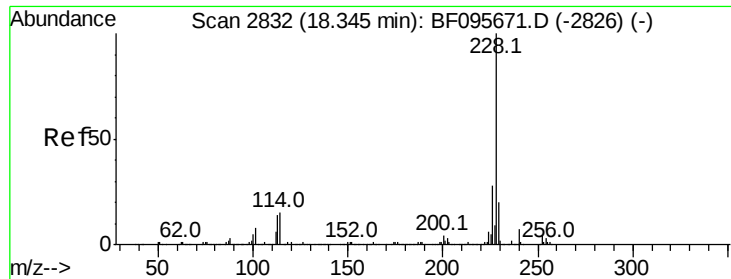
Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Tgt Ion:	244	Resp:	400769
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	14.5	10.3	15.5





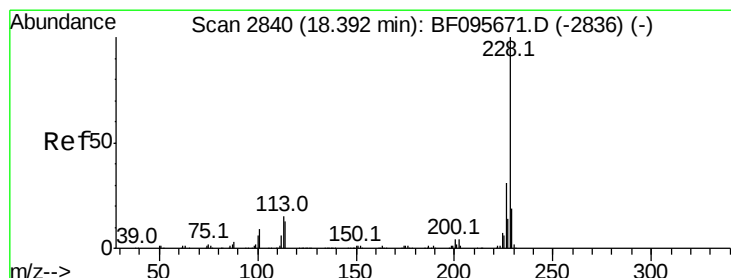
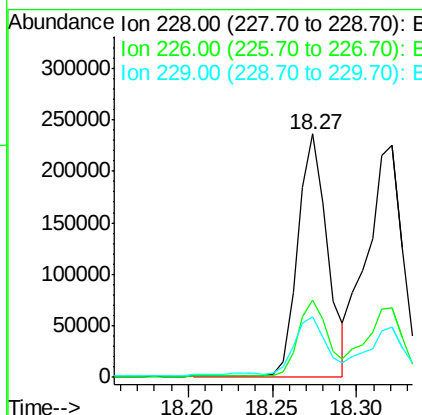
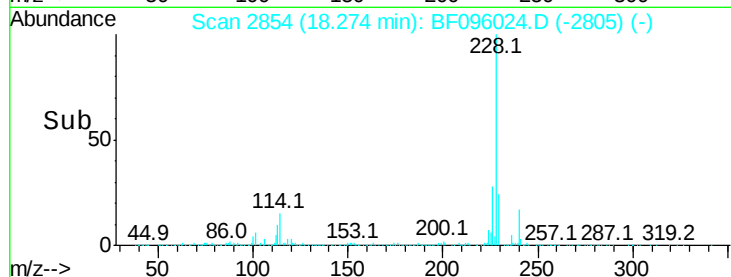
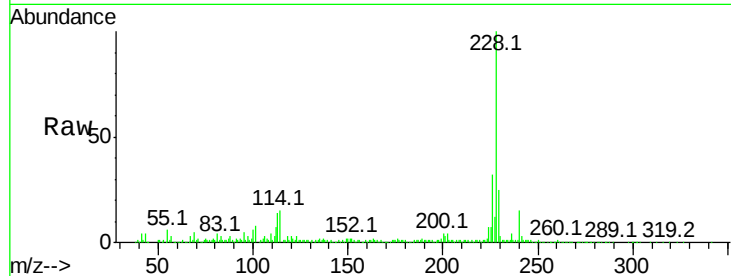
#80
Benzo(a)anthracene
Concen: 40.23 ng m
RT: 18.27 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampleId :
G16-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
228	100	292495		
226	31.6	22.6	33.8	
229	24.6	16.3	24.5	

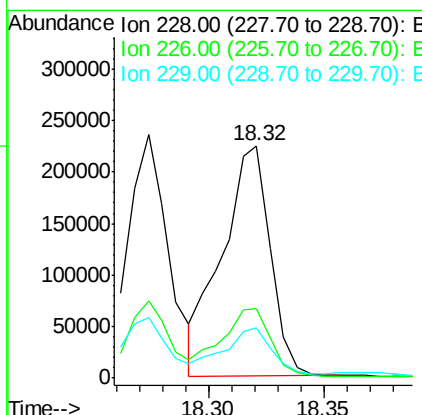
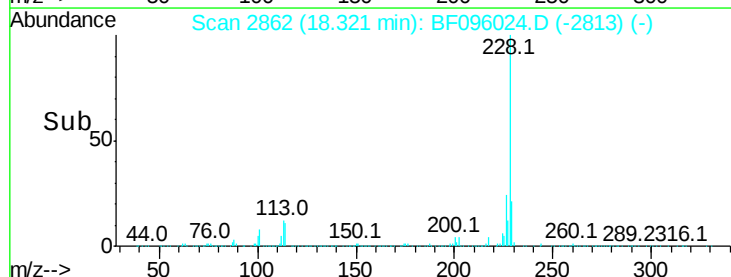
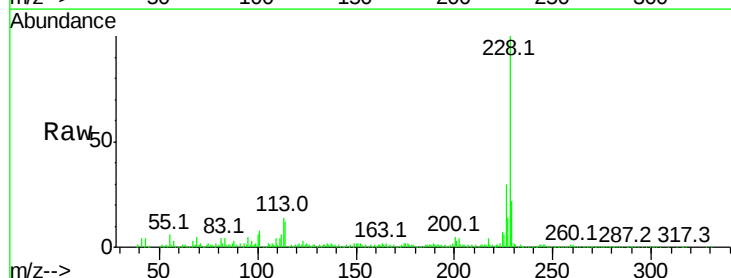
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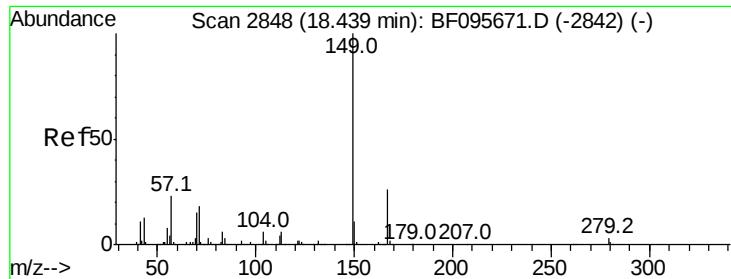
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#82
Chrysene
Concen: 44.89 ng
RT: 18.32 min Scan# 2862
Delta R.T. -0.01 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	326175		
226	29.7	24.9	37.3	
229	21.8	15.8	23.6	





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.68 ng

RT: 18.36 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

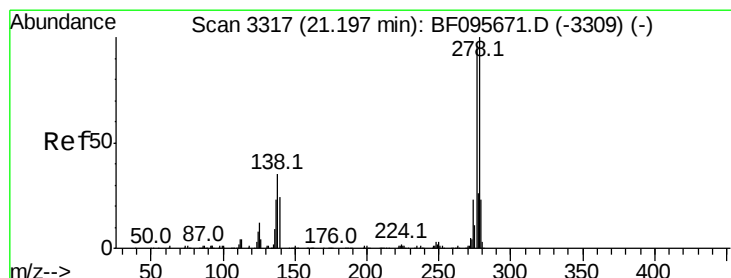
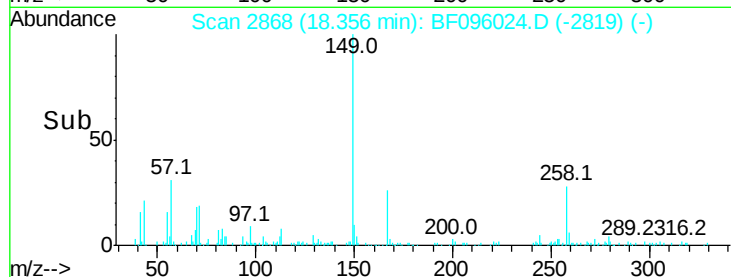
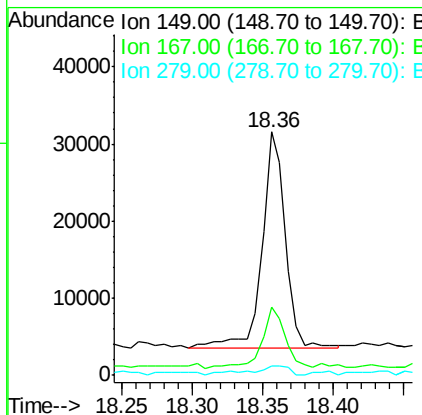
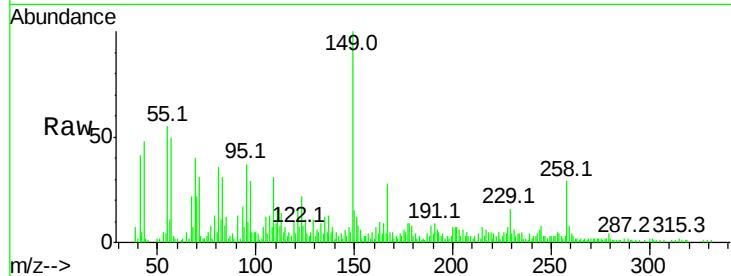
ClientSampleId :

G16-0-1.5

Tot Ion:	149	Resp:	32655
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.0	31.4
279	3.7	1.9	2.9#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 19.34 ng

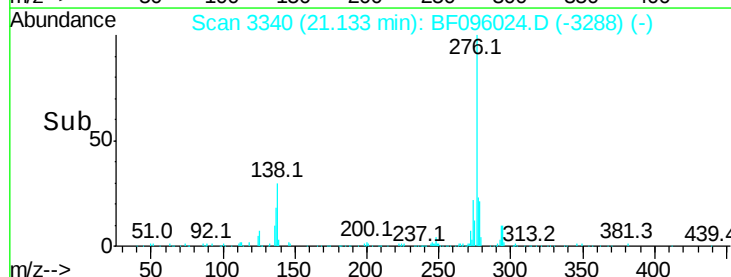
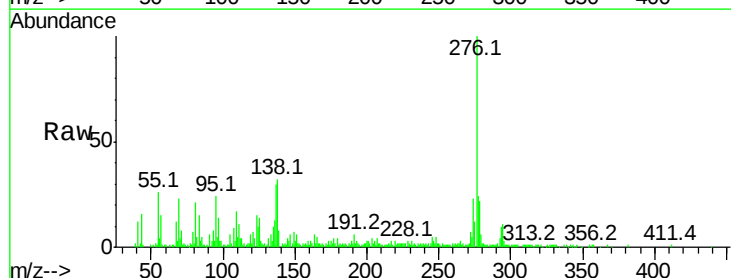
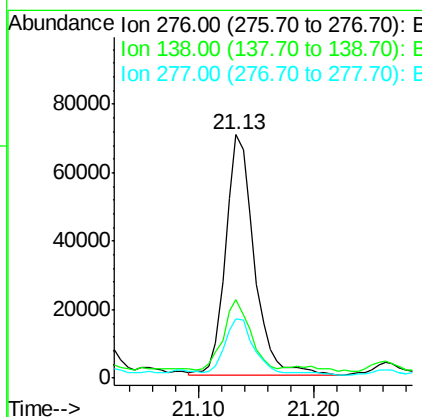
RT: 21.13 min Scan# 3340

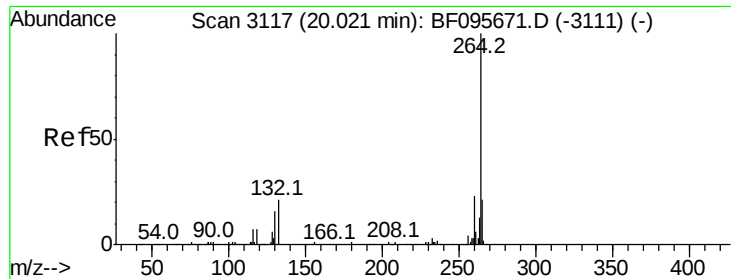
Delta R.T. 0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Tgt Ion:	276	Resp:	120225
Ion Ratio	Lower	Upper	
276	100		
138	26.9	27.8	41.6#
277	24.6	20.2	30.4





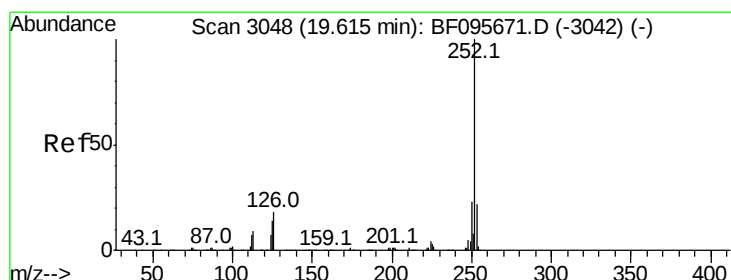
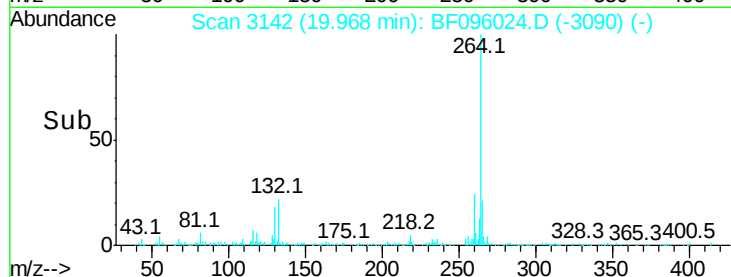
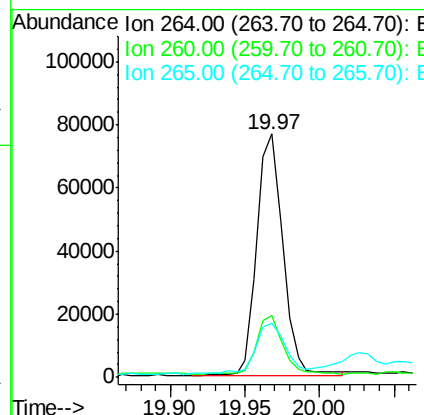
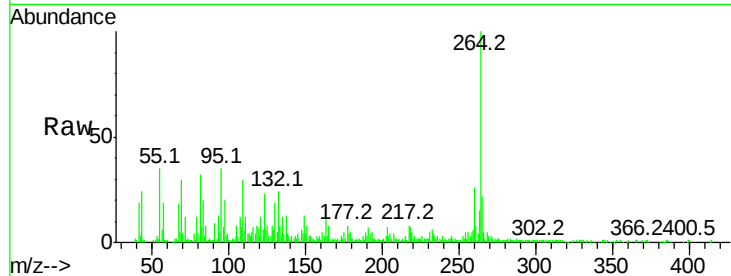
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3142
Delta R.T. 0.01 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampled :
G16-0-1.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	22.3	17.2	25.8

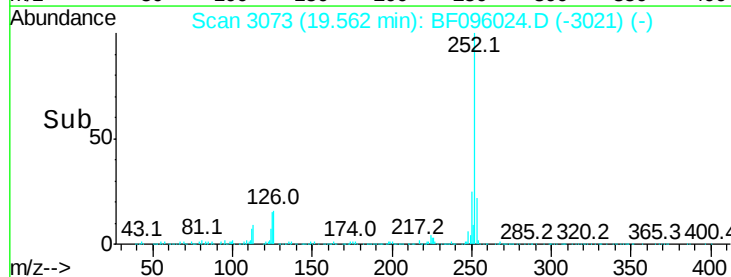
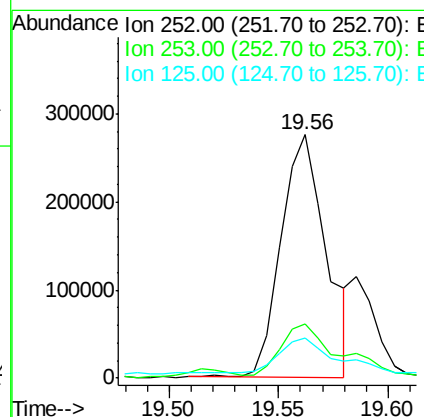
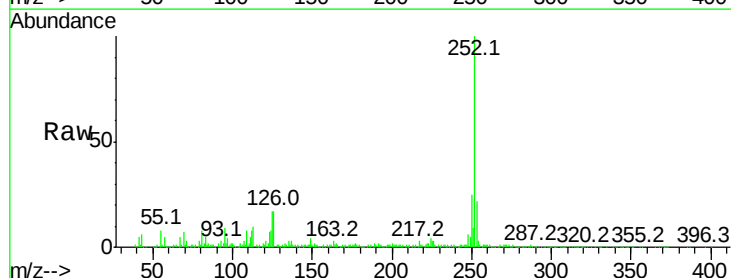
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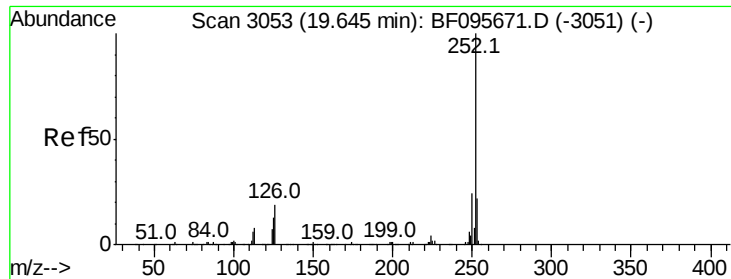
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#87
Benzo(b)fluoranthene
Concen: 69.07 ng m
RT: 19.56 min Scan# 3073
Delta R.T. 0.01 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	16.6	9.8	14.8





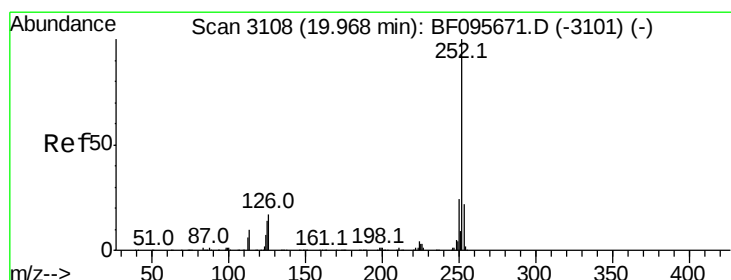
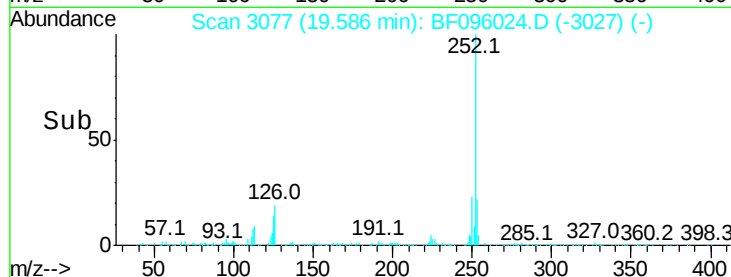
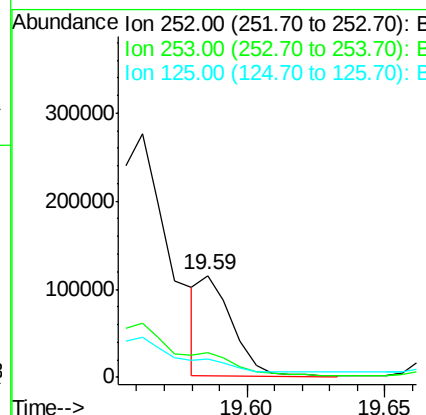
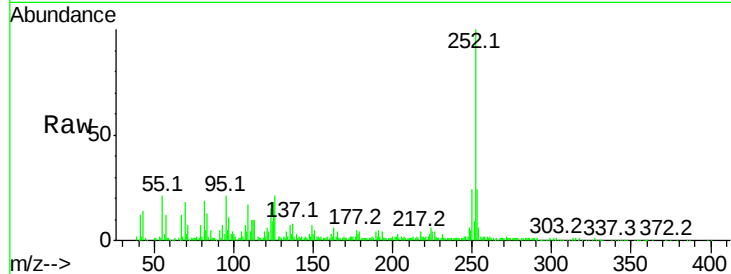
#88
Benzo(k)fluoranthene
Concen: 16.49 ng
RT: 19.59 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampleId :
G16-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	18.3	13.1	19.7

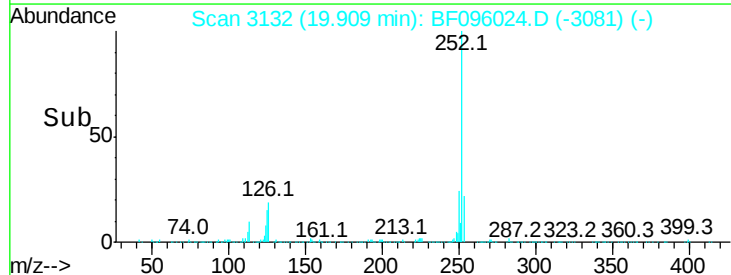
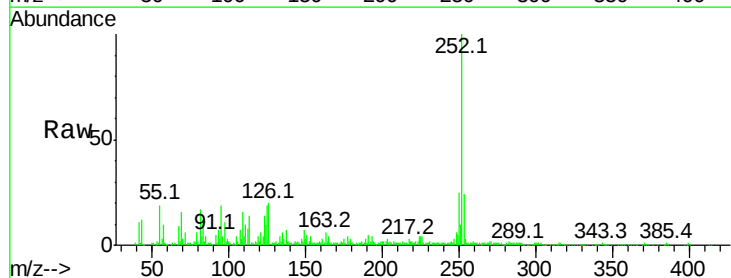
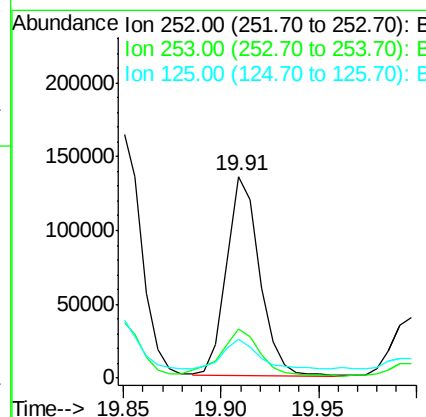
Manual Integrations
APPROVED

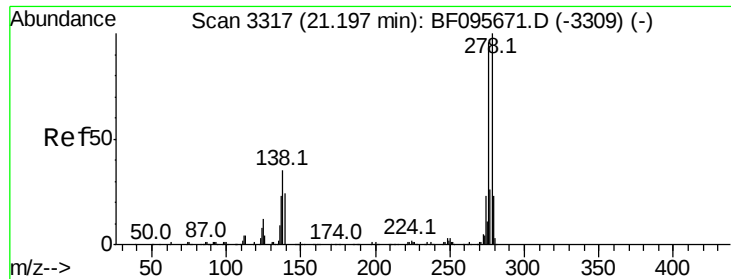
mohammad
6/20/2017 4:29:20 PM



#89
Benzo(a)pyrene
Concen: 30.01 ng
RT: 19.91 min Scan# 3132
Delta R.T. 0.00 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	19.1	11.0	16.4





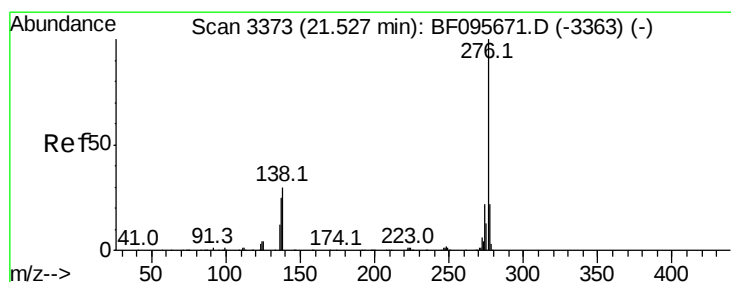
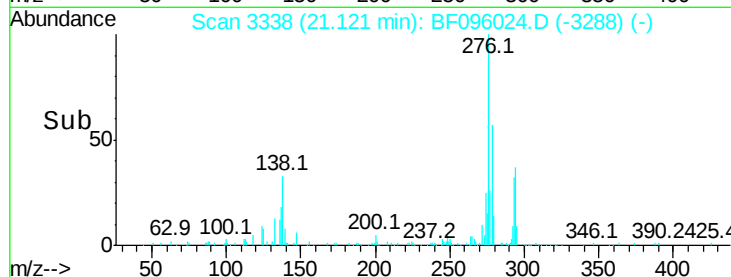
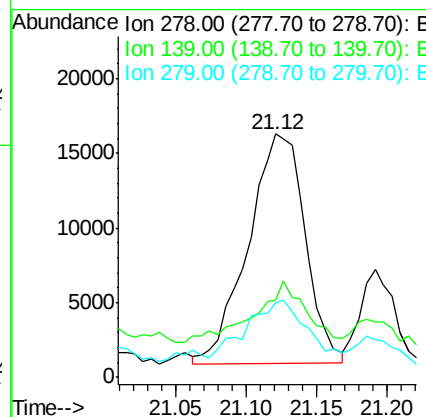
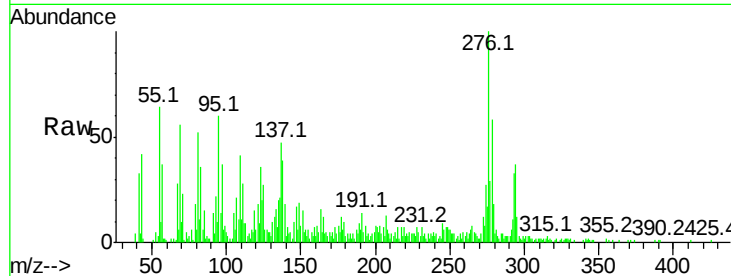
#90
Dibenzo(a,h)anthracene
Concen: 9.64 ng
RT: 21.12 min Scan# 3338
Delta R.T. -0.01 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampleId :
G16-0-1.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.8	16.6	24.8#
279	30.7	19.3	28.9#

Manual Integrations
APPROVED

mohammad
6/20/2017 4:29:20 PM



#91
Benzo(g,h,i)perylene
Concen: 23.08 ng
RT: 21.46 min Scan# 3396
Delta R.T. 0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	31.0	25.4	38.0

