

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096028.D
 Acq On : 20 Jun 2017 5:13
 Operator : SJ/MA
 Sample : I3688-14
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G13-1.5-3

Manual Integrations
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Quant Time: Jun 20 08:22:09 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	63268	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	245228	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	94092	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	143563	20.00	ng	-0.02
75) Chrysene-d12	18.29	240	120026	20.00	ng	-0.01
86) Perylene-d12	19.96	264	82970	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	381765	96.15	ng	-0.02
7) Phenol-d6	6.89	99	461983	97.19	ng	-0.02
23) Nitrobenzene-d5	8.23	82	262873	66.57	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	62443	75.01	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	481028	71.14	ng	-0.02
78) Terphenyl-d14	16.93	244	330401	68.32	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.37	128	80538	6.54	ng	98
37) 2-Methylnaphthalene	10.50	142	59520	7.16	ng	96
48) Acenaphthylene	11.93	152	92741	8.95	ng	100
49) Dimethylphthalate	11.82	163	63955	8.95	ng	99
54) Dibenzofuran	12.50	168	31676	3.76	ng	97
70) Phenanthrene	14.59	178	119098	14.38	ng	95
71) Anthracene	14.68	178	121850	14.09	ng	97
72) Carbazole	14.99	167	26432	3.14	ng	99
74) Fluoranthene	16.38	202	341255	41.62	ng	99
77) Pyrene	16.68	202	338978	37.85	ng	97
80) Benzo(a)anthracene	18.27	228	193283m	27.70	ng	
82) Chrysene	18.32	228	230479	33.05	ng	98
83) Bis(2-ethylhexyl)phthalate	18.36	149	16146	2.93	ng	# 96
85) Indeno(1,2,3-cd)pyrene	21.13	276	88918	14.90	ng	93
87) Benzo(b)fluoranthene	19.56	252	275629m	53.05	ng	
88) Benzo(k)fluoranthene	19.58	252	83359m	16.79	ng	
89) Benzo(a)pyrene	19.91	252	123974	25.96	ng	# 95
90) Dibenzo(a,h)anthracene	21.13	278	35074	8.66	ng	# 87
91) Benzo(a,h,i)perylene	21.46	276	80032	19.38	ng	96

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

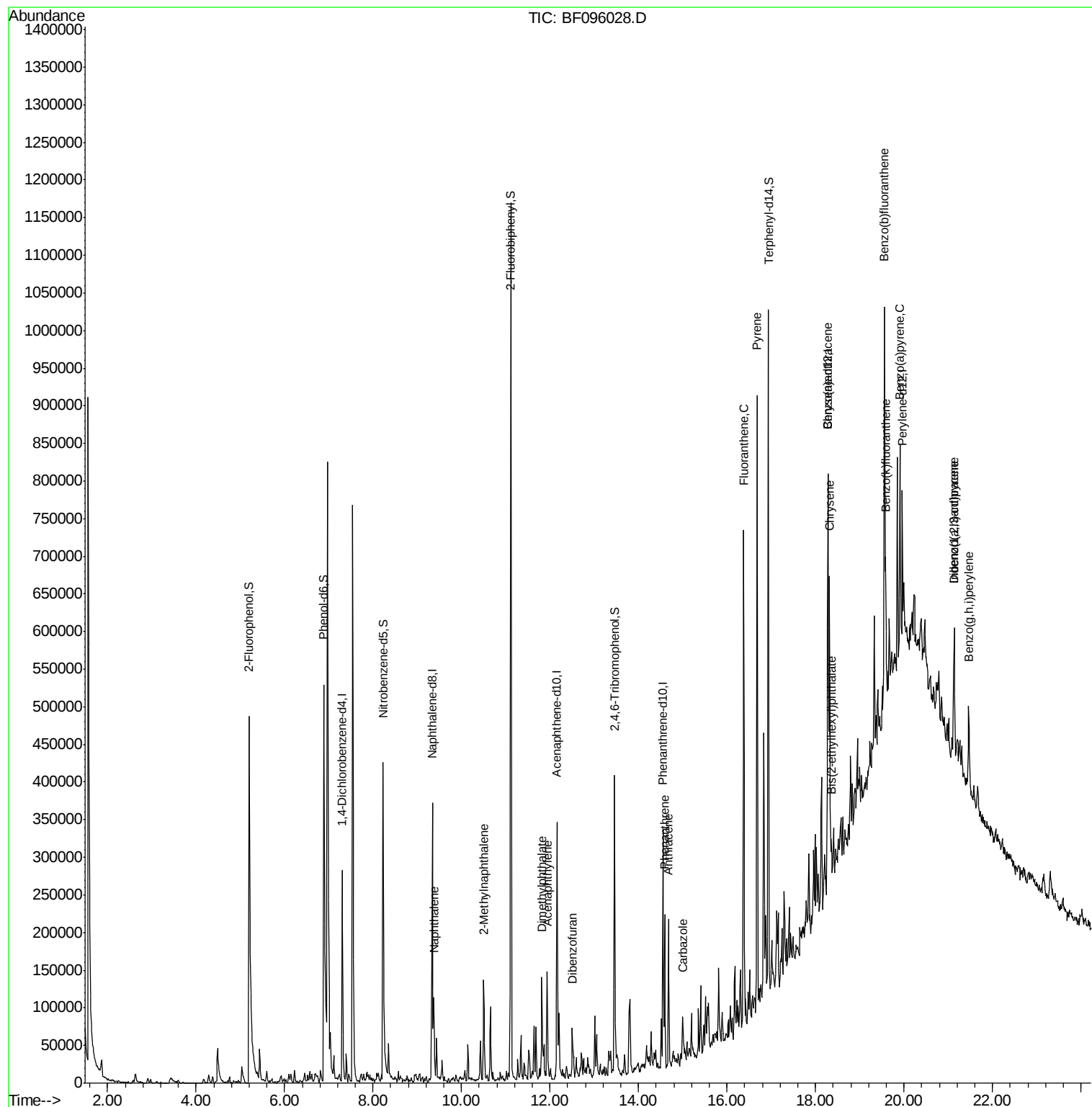
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
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#1

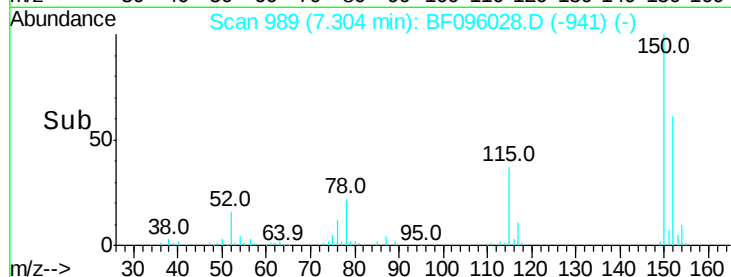
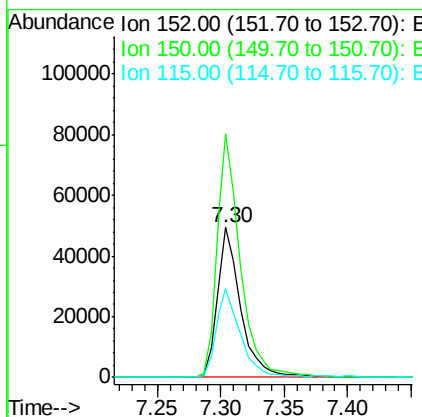
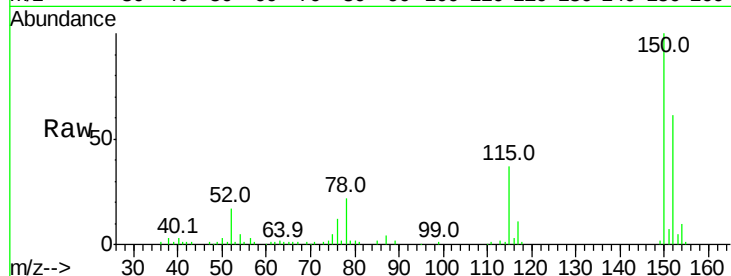
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Instrument :
BNA_F
ClientSampled :
G13-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	126.2	189.2
115	59.4	52.2	78.2

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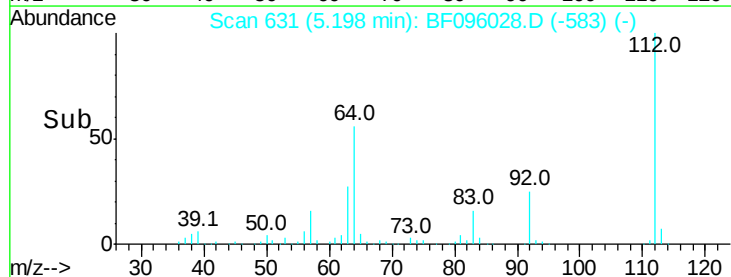
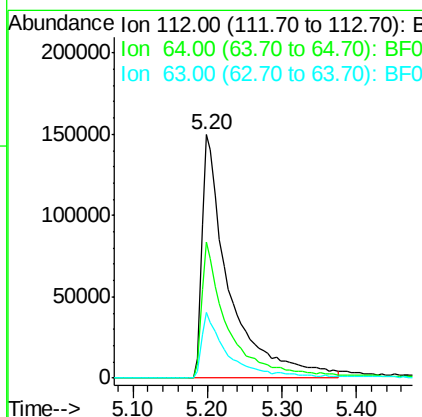
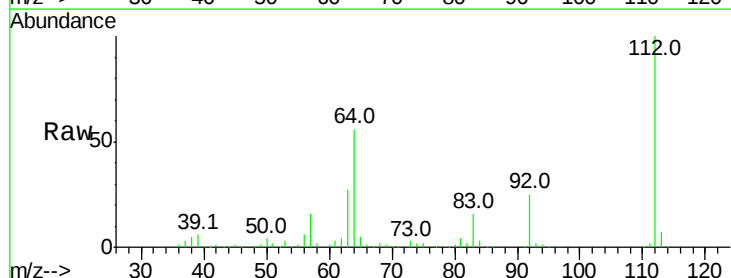
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#5

2-Fluorophenol
Concen: 96.15 ng
RT: 5.20 min Scan# 631
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.0	69.0
63	27.2	23.4	35.0





#7

Phenol-d6

Concen: 97.19 ng

RT: 6.89 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF096028.D

Acq: 20 Jun 2017 5:13

Instrument :

BNA_F

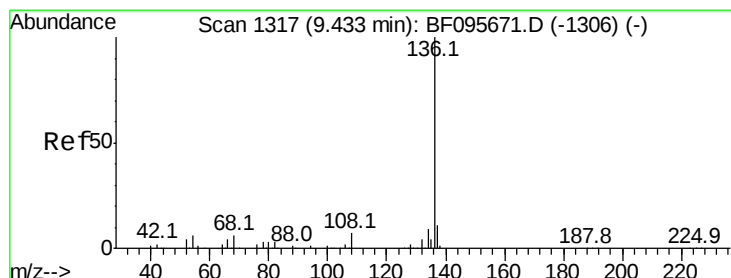
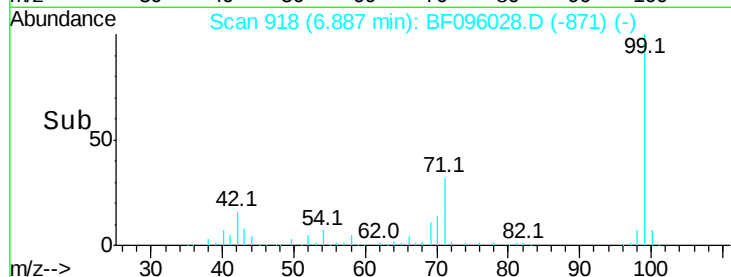
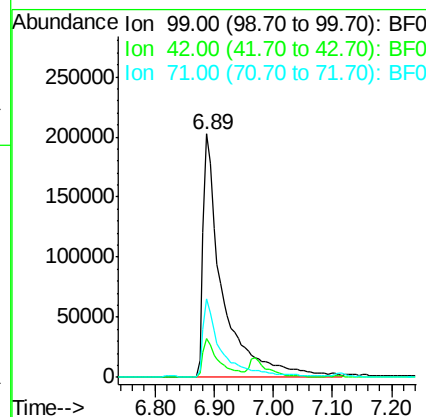
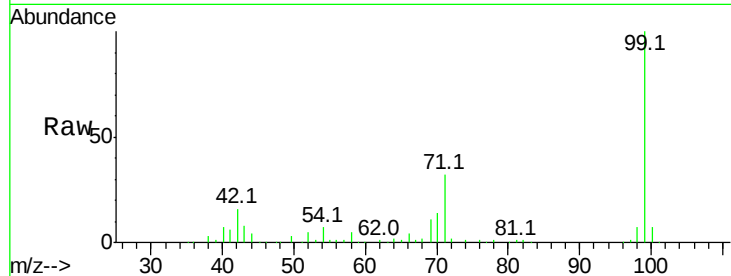
ClientSampleId :

G13-1.5-3

Tot Ion:	99	Resp:	461983
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

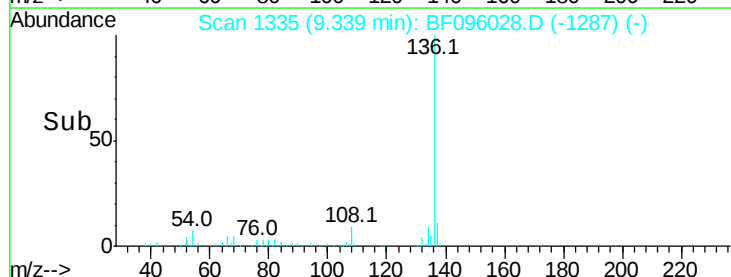
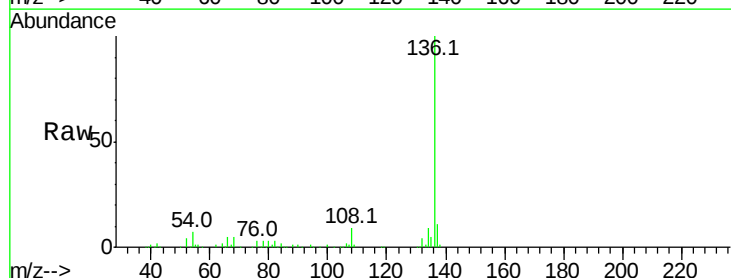
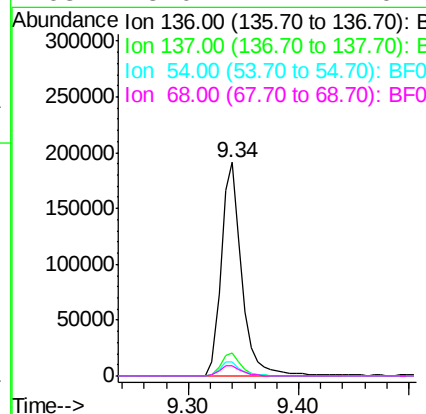
RT: 9.34 min Scan# 1335

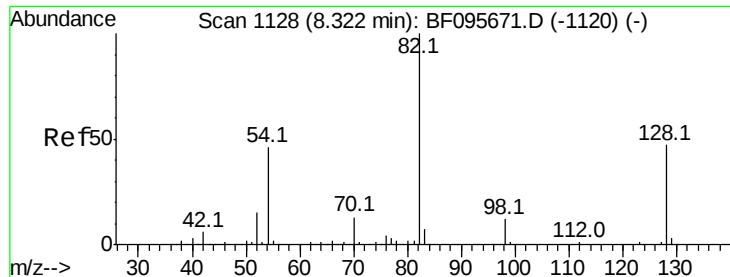
Delta R.T. -0.02 min

Lab File: BF096028.D

Acq: 20 Jun 2017 5:13

Tgt Ion:	136	Resp:	245228
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	6.9	4.9	7.3
68	5.0	4.1	6.1





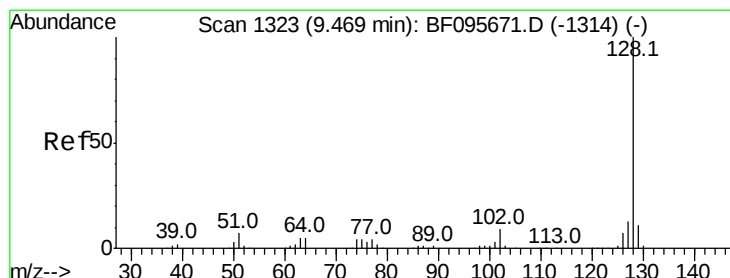
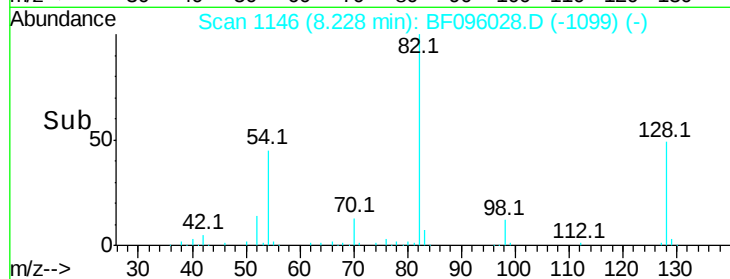
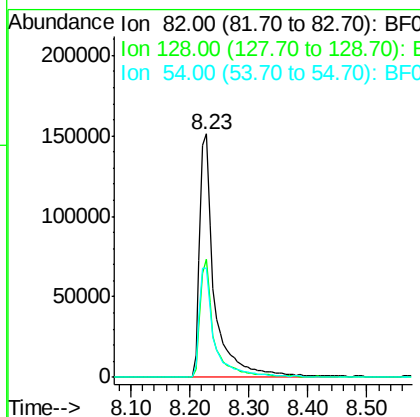
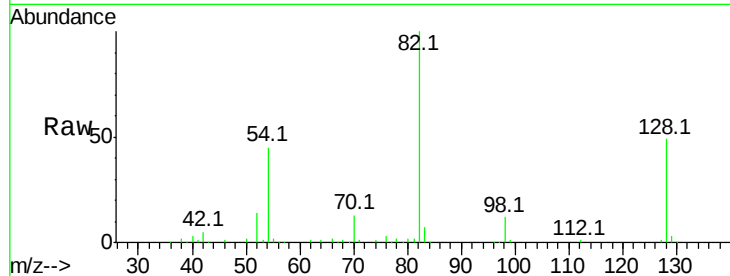
#23
Nitrobenzene-d5
Concen: 66.57 ng
RT: 8.23 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Instrument :
BNA_F
ClientSampleId :
G13-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.8	34.0	51.0	
54	44.9	42.2	63.2	

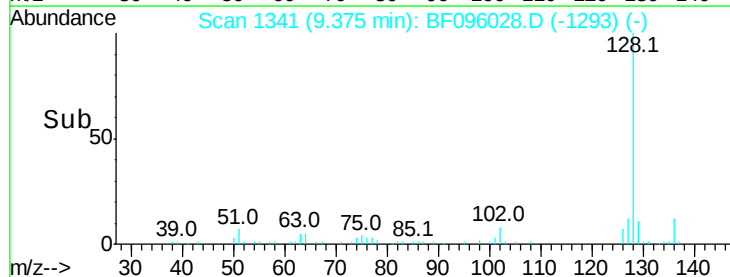
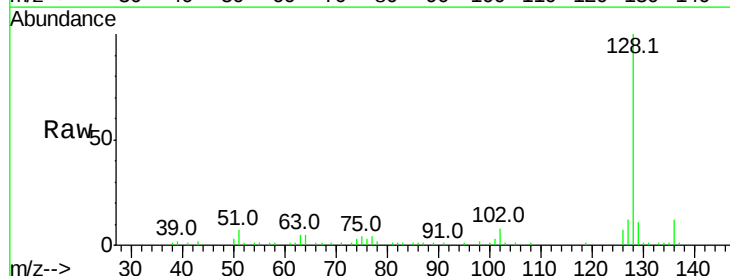
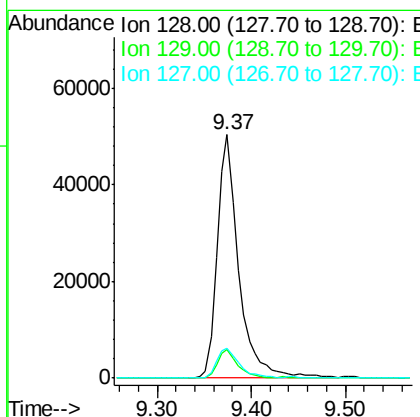
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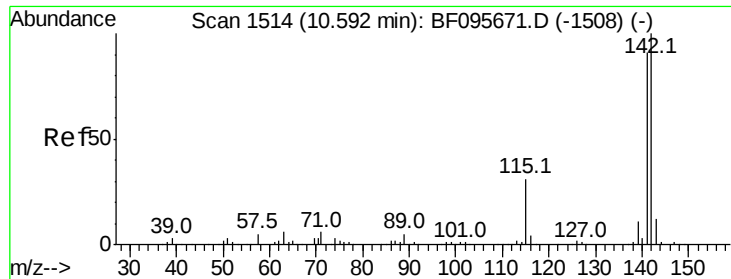
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#31
Naphthalene
Concen: 6.54 ng
RT: 9.37 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.5	9.0	13.6	
127	12.3	10.8	16.2	





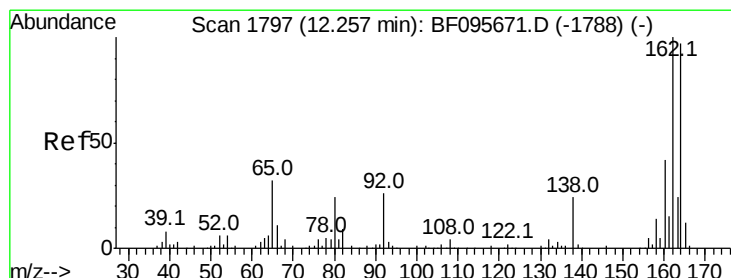
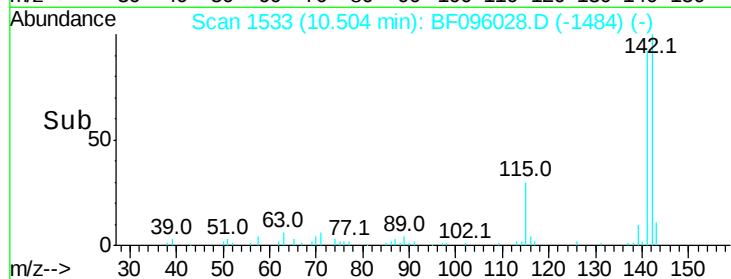
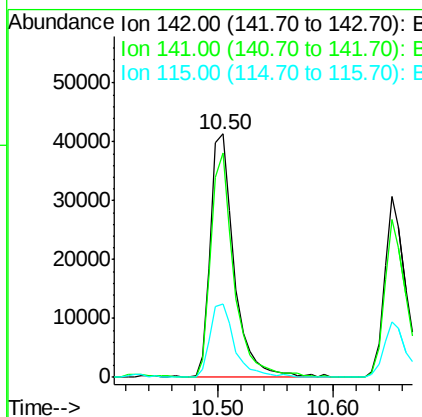
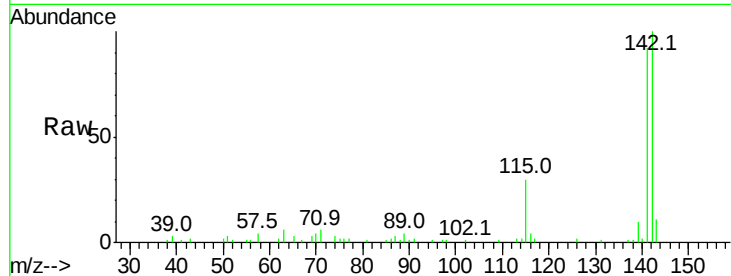
#37
2-Methylnaphthalene
Concen: 7.16 ng
RT: 10.50 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Instrument :
BNA_F
ClientSampled :
G13-1.5-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.3	71.3	106.9
115	30.3	27.1	40.7

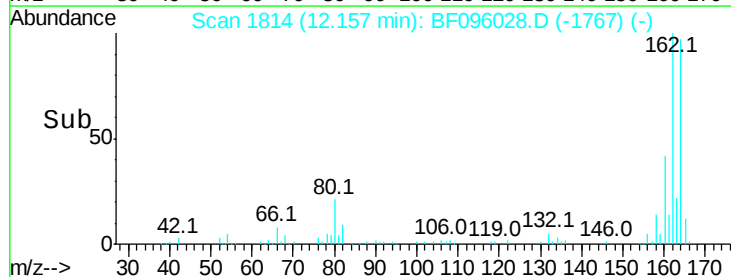
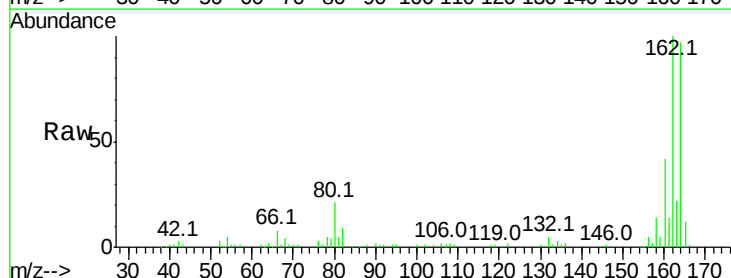
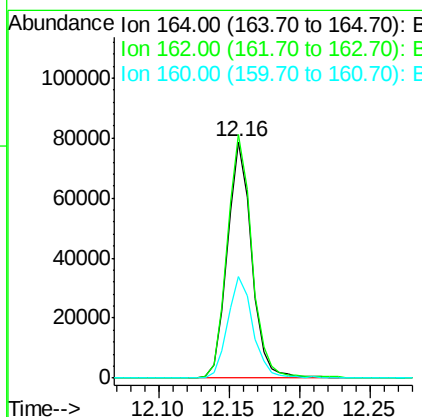
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.16 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	43.1	36.2	54.2





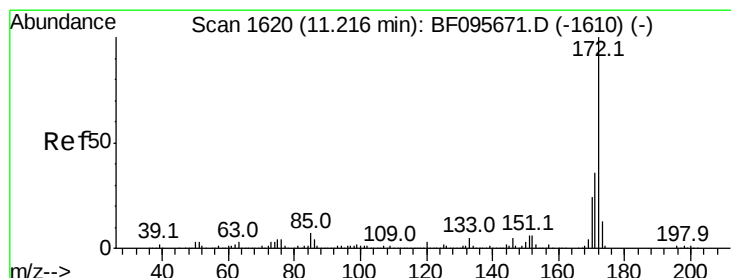
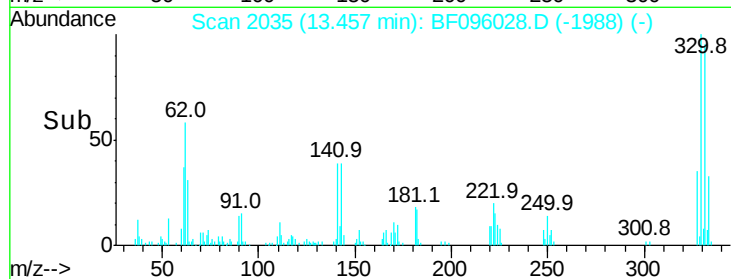
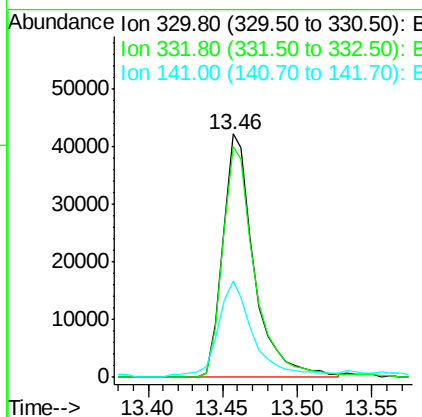
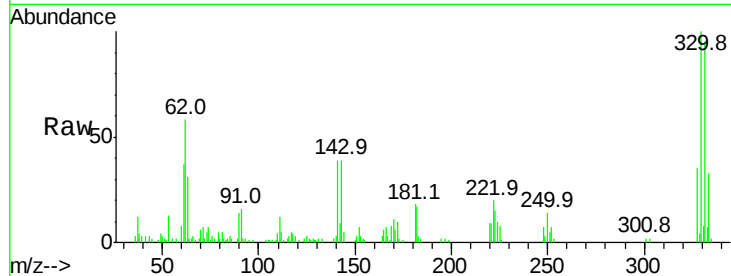
#41
 2,4,6-Tribromophenol
 Concen: 75.01 ng
 RT: 13.46 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF096028.D
 Acq: 20 Jun 2017 5:13

Instrument :
 BNA_F
 ClientSampleId :
 G13-1.5-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.6	115.0
141	45.0	31.4	47.2

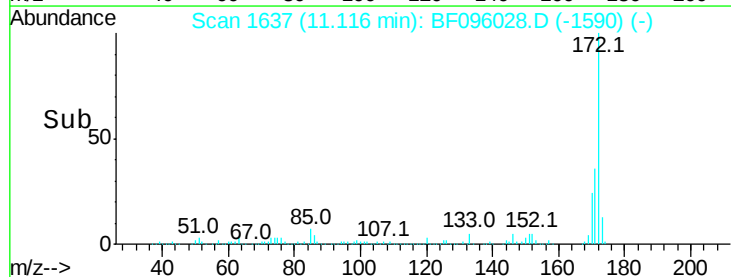
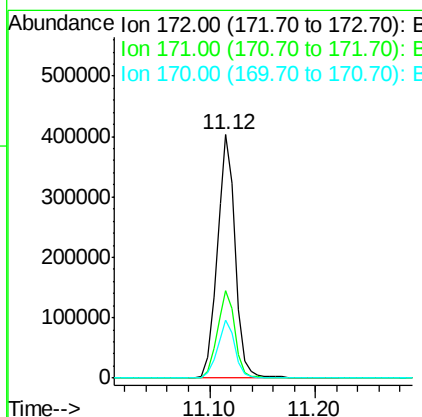
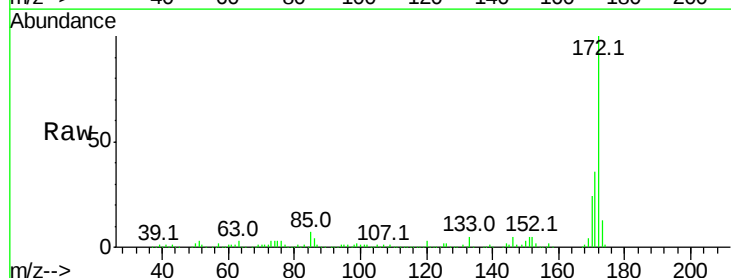
Manual Integrations
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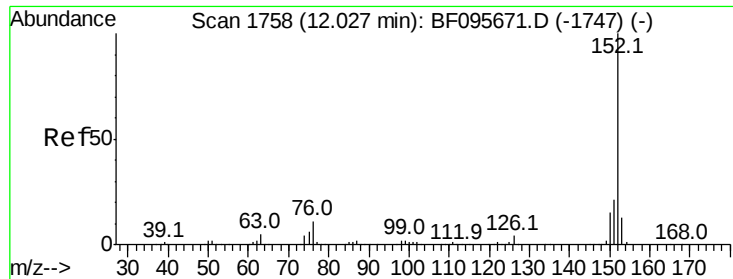
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#44
 2-Fluorobiphenyl
 Concen: 71.14 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096028.D
 Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8





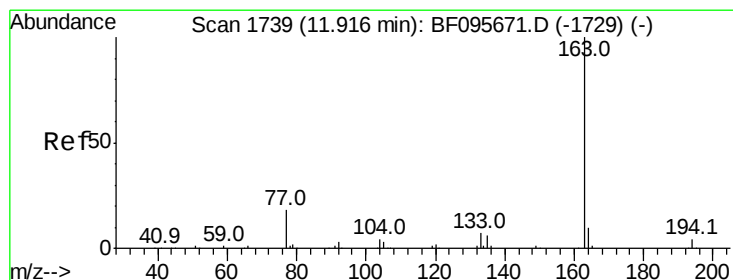
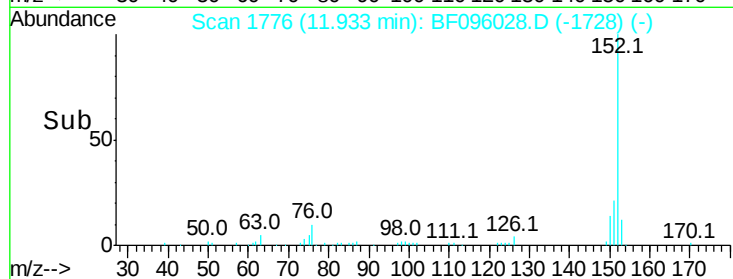
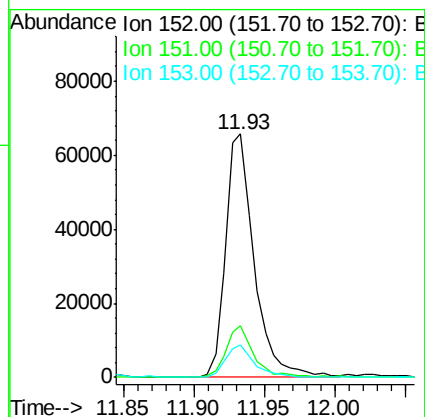
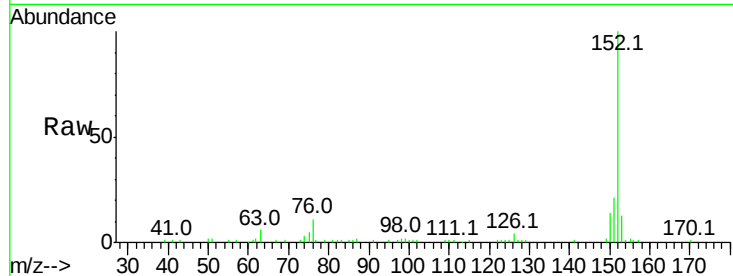
#48
Acenaphthylene
Concen: 8.95 ng
RT: 11.93 min Scan# 1776
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Instrument :
BNA_F
ClientSampleId :
G13-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2
153	13.5	10.8	16.2

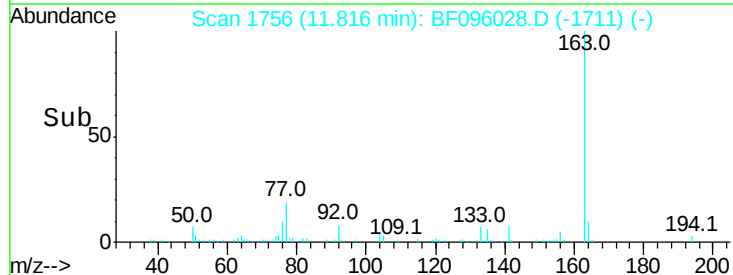
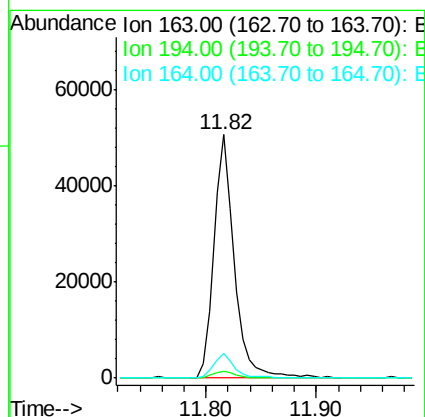
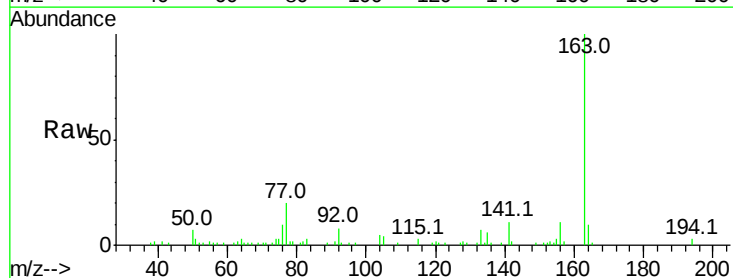
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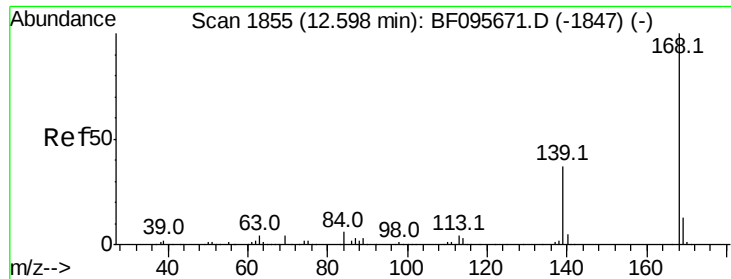
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#49
Dimethylphthalate
Concen: 8.95 ng
RT: 11.82 min Scan# 1756
Delta R.T. -0.04 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.6	4.0
164	10.2	8.4	12.6





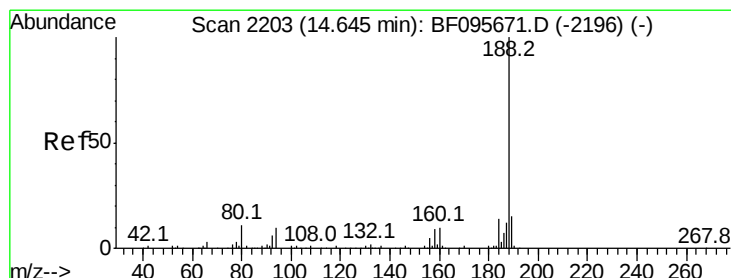
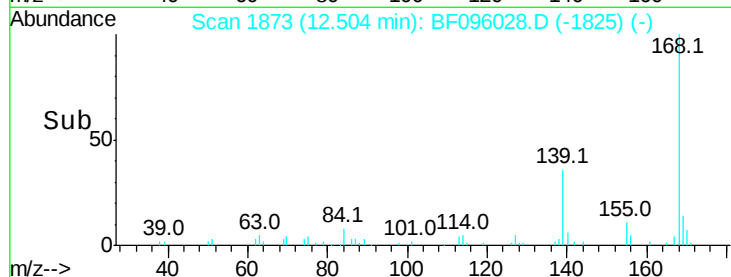
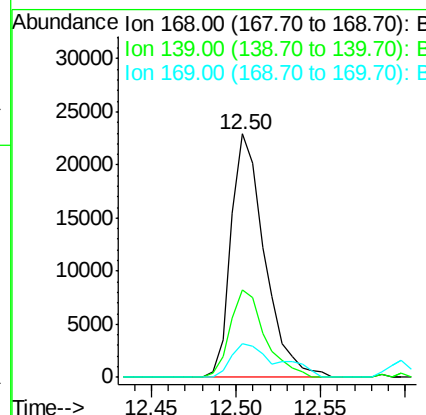
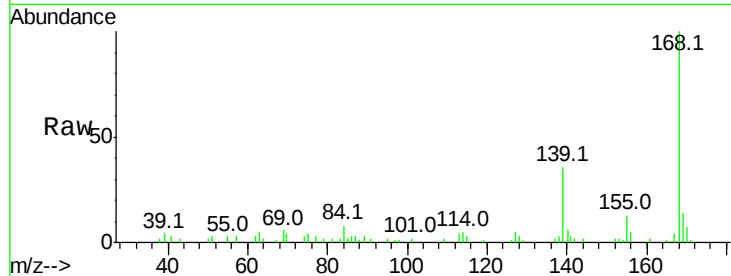
#54
Dibenzofuran
Concen: 3.76 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Instrument :
BNA_F
ClientSampleId :
G13-1.5-3

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.6	45.8
169	14.1	10.8	16.2

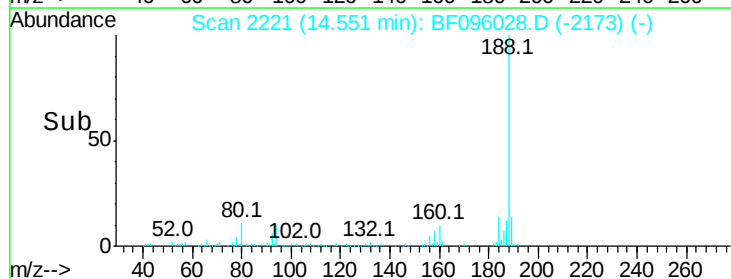
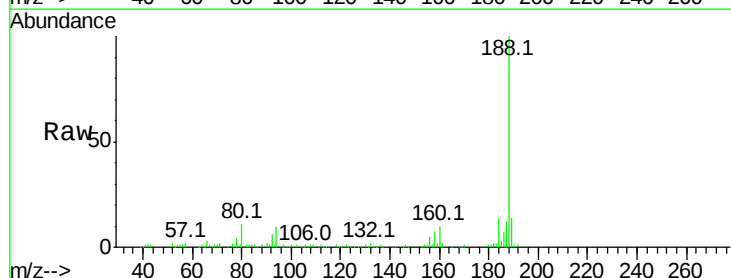
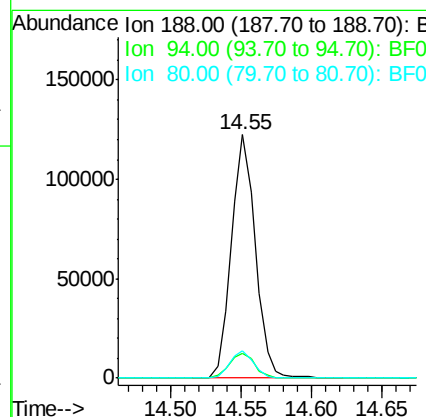
Manual Integrations
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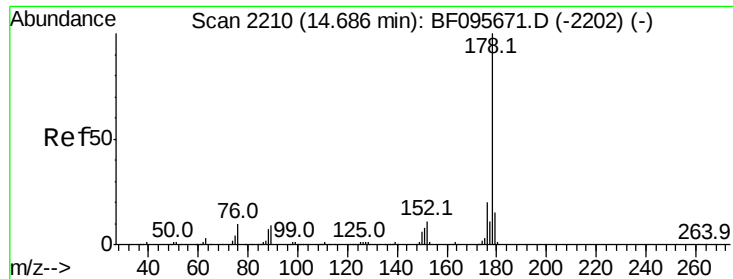
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	11.1	10.2	15.2





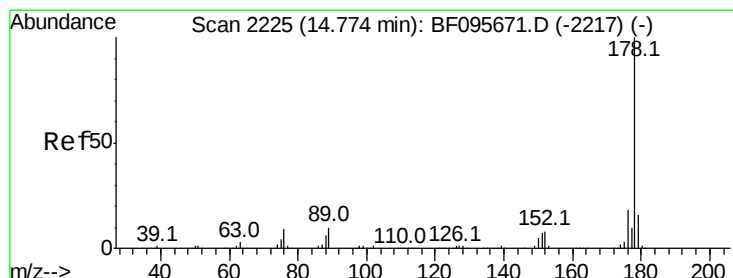
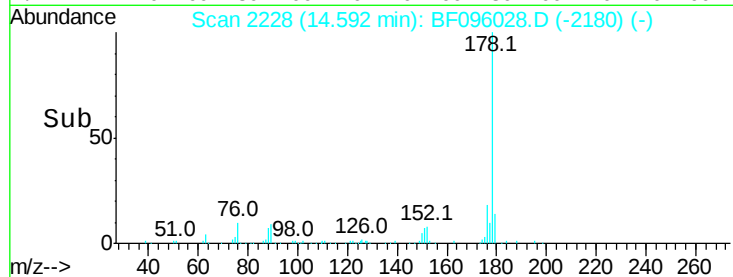
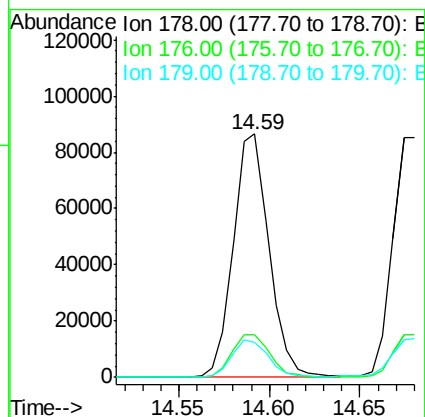
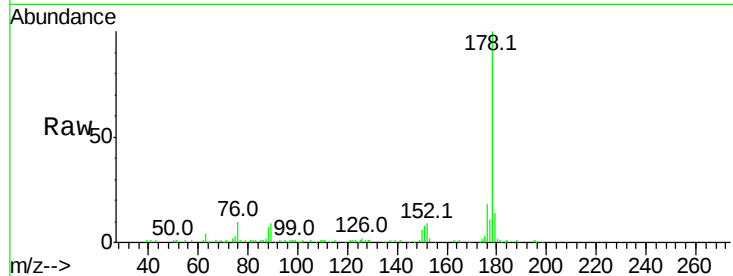
#70
Phenanthrene
Concen: 14.38 ng
RT: 14.59 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Instrument :
BNA_F
ClientSampleId :
G13-1.5-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.2	24.4
179	14.3	12.6	19.0

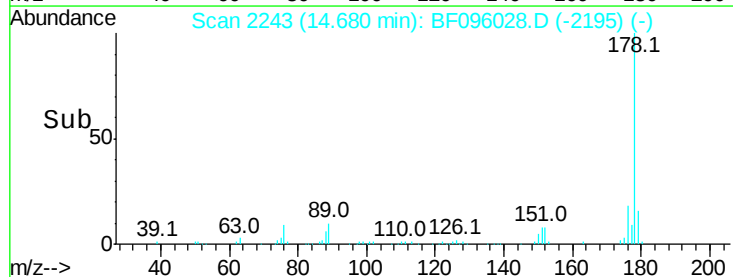
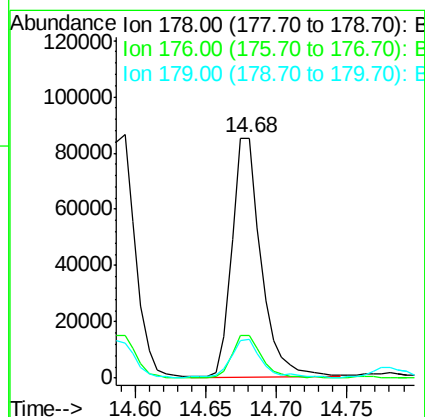
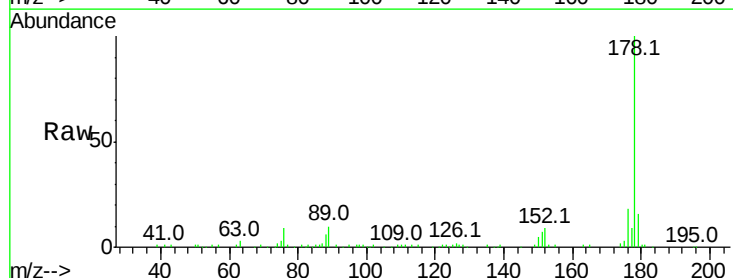
Manual Integrations
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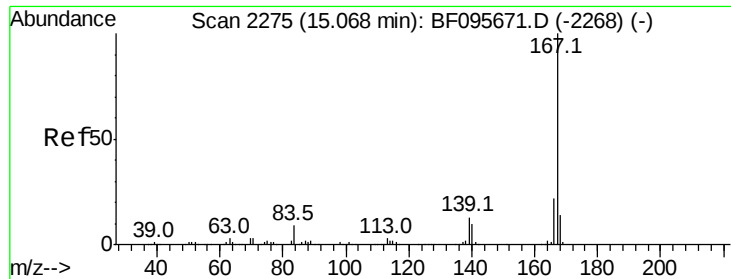
mohammad
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#71
Anthracene
Concen: 14.09 ng
RT: 14.68 min Scan# 2243
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	16.2	12.7	19.1





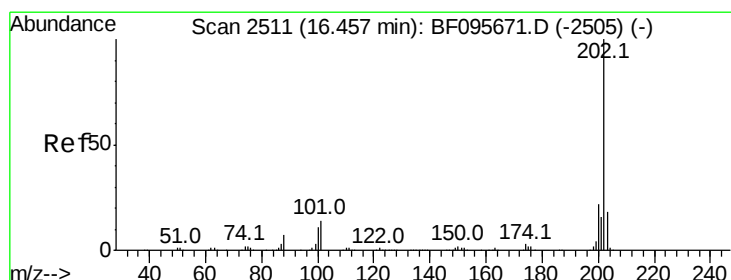
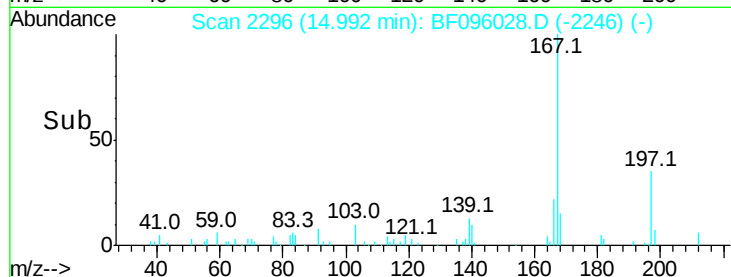
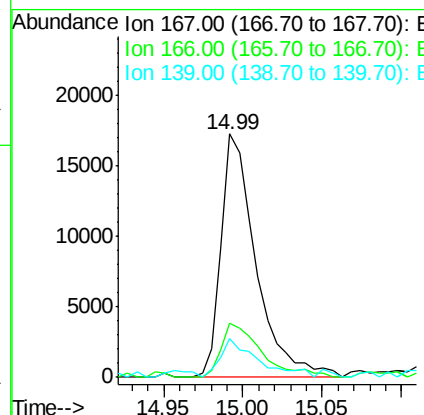
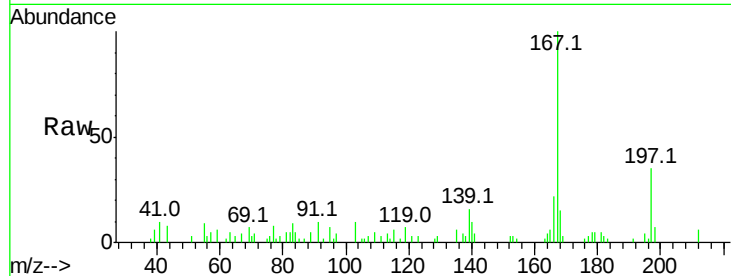
#72
 Carbazole
 Concen: 3.14 ng
 RT: 14.99 min Scan# 2296
 Delta R.T. -0.01 min
 Lab File: BF096028.D
 Acq: 20 Jun 2017 5:13

Instrument :
 BNA_F
 ClientSampleId :
 G13-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
167	100	26432		
166	22.5		18.1	27.1
139	15.9		11.7	17.5

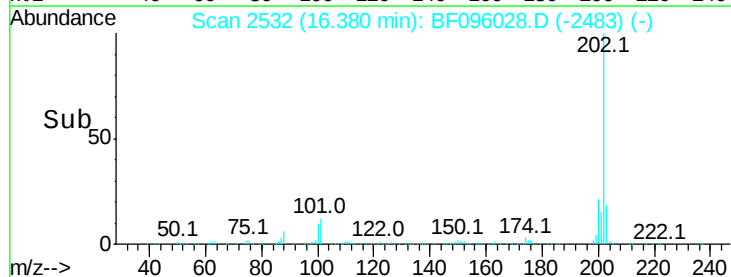
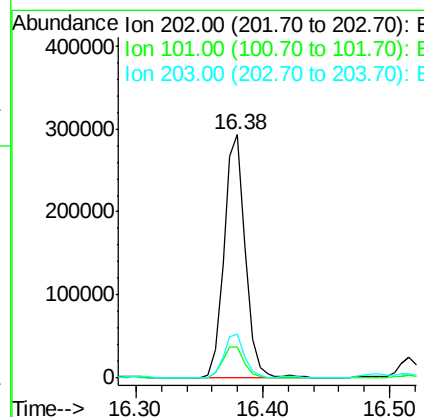
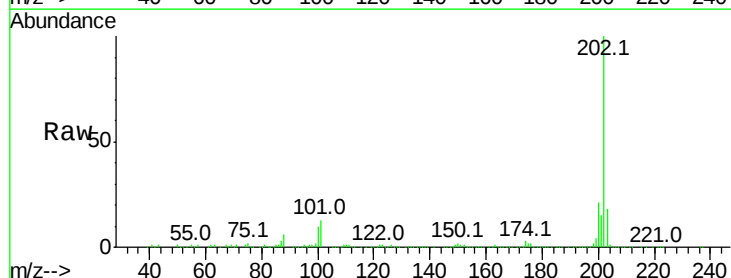
Manual Integrations
 APPROVED

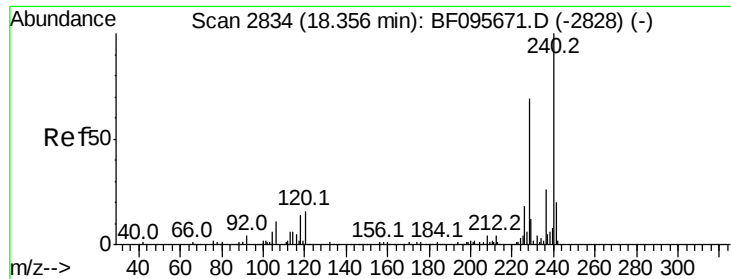
mohammad
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#74
 Fluoranthene
 Concen: 41.62 ng
 RT: 16.38 min Scan# 2532
 Delta R.T. -0.01 min
 Lab File: BF096028.D
 Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	341255		
101	12.6		0.0	33.2
203	18.1		0.0	38.1





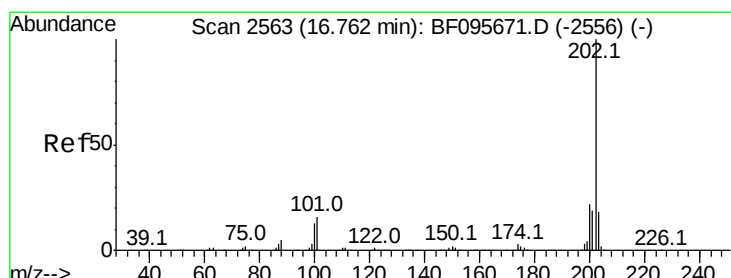
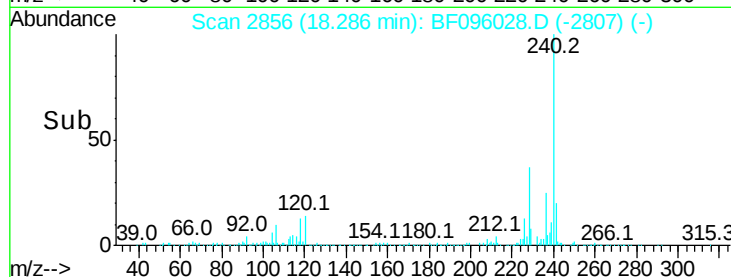
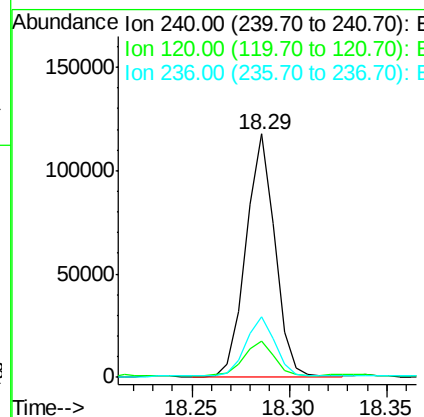
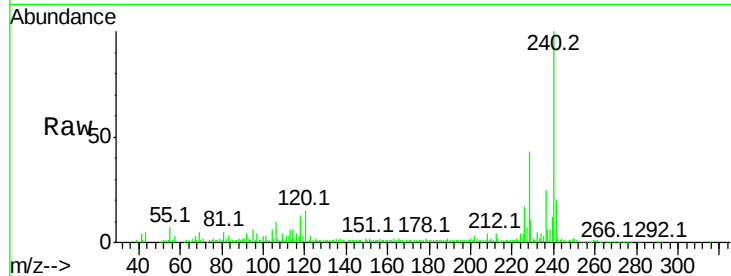
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.29 min Scan# 2856
Delta R.T. -0.01 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Instrument :
BNA_F
ClientSampleId :
G13-1.5-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	25.0	20.5	30.7

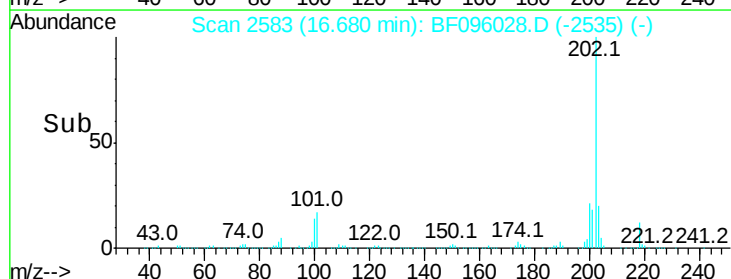
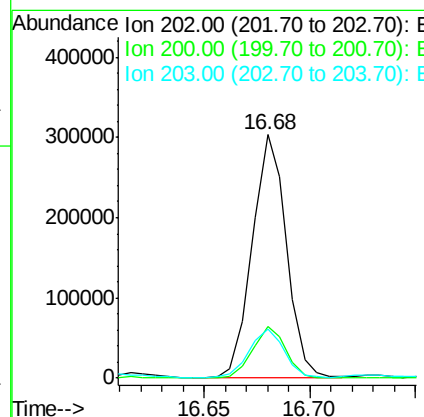
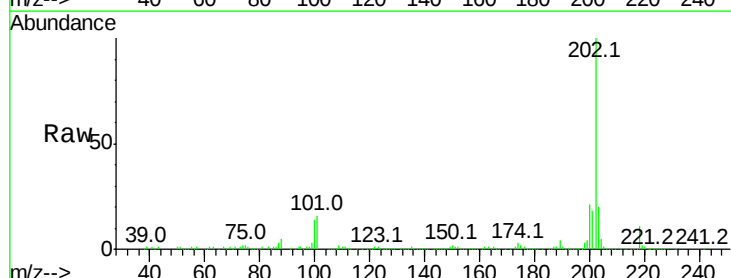
Manual Integrations
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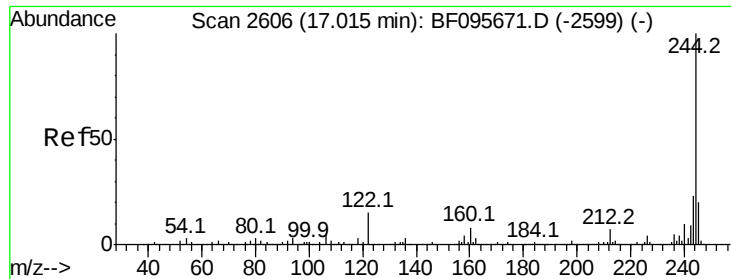
mohammad
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#77
Pyrene
Concen: 37.85 ng
RT: 16.68 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	20.2	14.4	21.6





#78

Terphenyl-d14

Concen: 68.32 ng

RT: 16.93 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BF096028.D

Acq: 20 Jun 2017 5:13

Instrument :

BNA_F

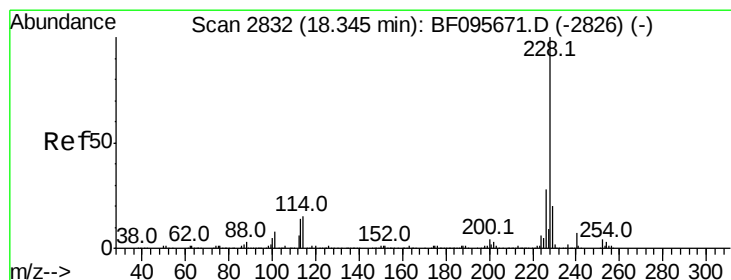
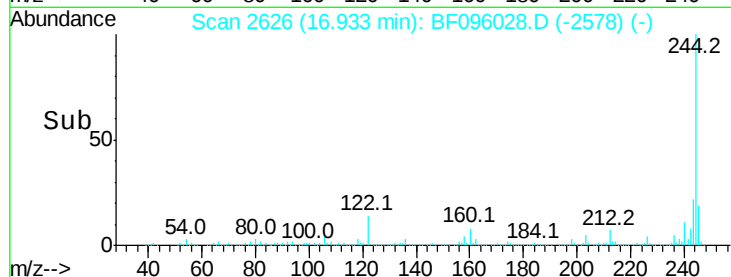
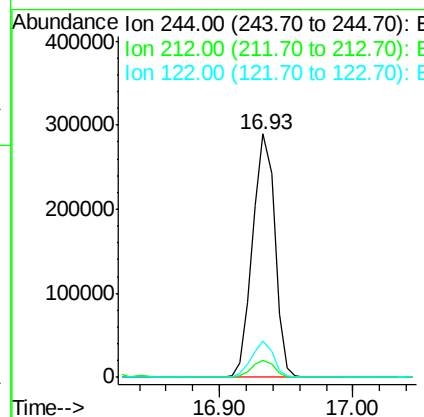
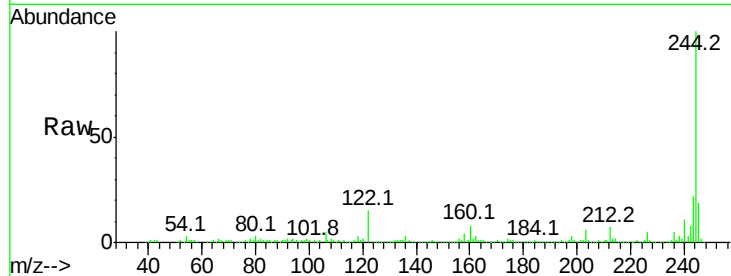
ClientSampleId :

G13-1.5-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.6	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 27.70 ng m

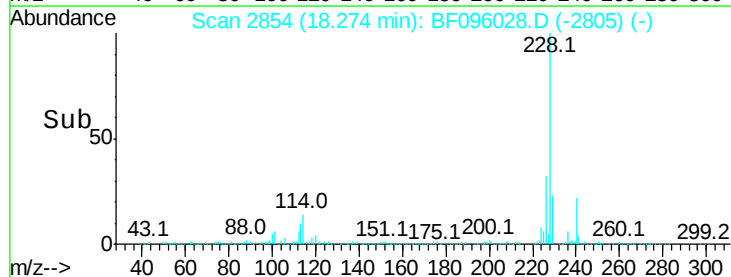
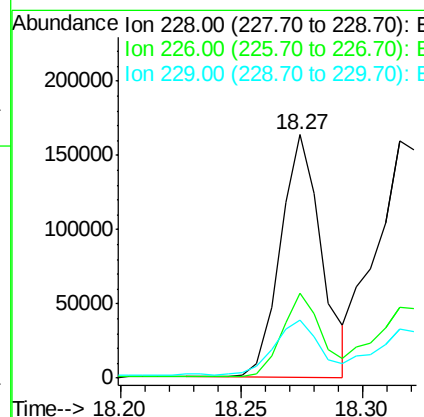
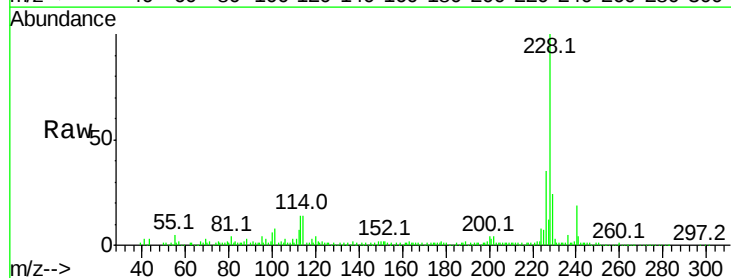
RT: 18.27 min Scan# 2854

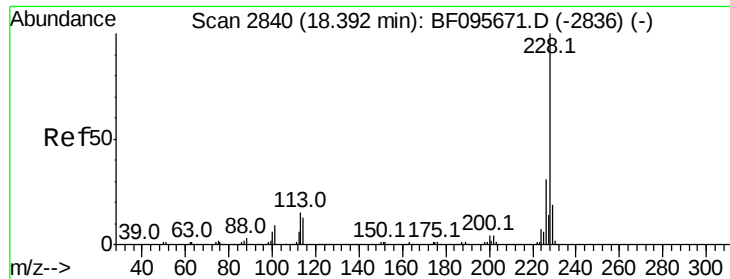
Delta R.T. -0.01 min

Lab File: BF096028.D

Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.7	22.6	33.8#
229	23.9	16.3	24.5





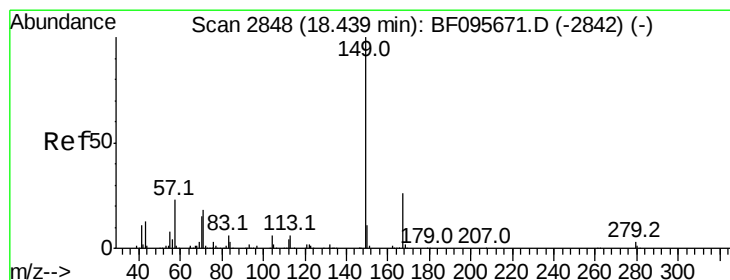
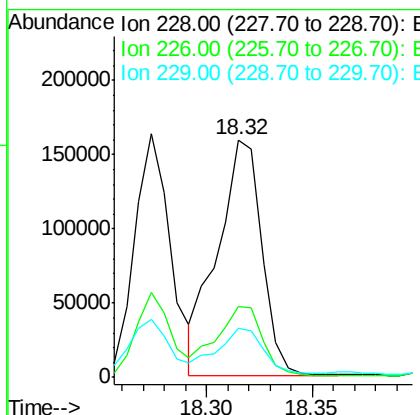
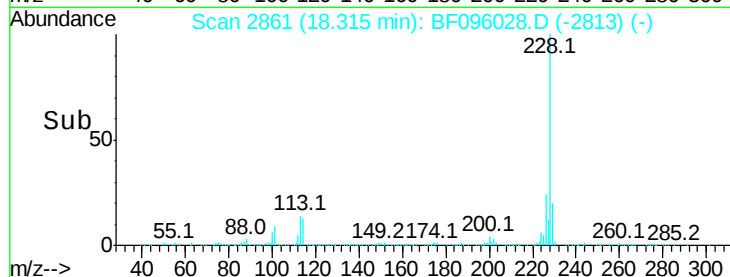
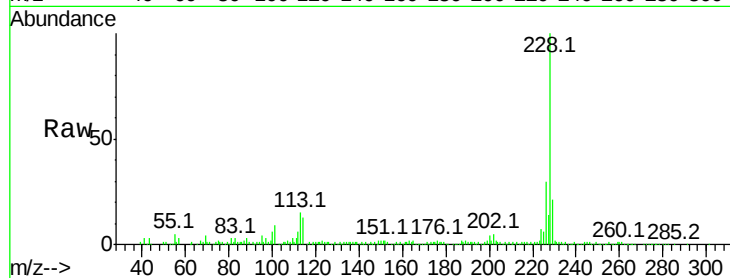
#82
 Chrysene
 Concen: 33.05 ng
 RT: 18.32 min Scan# 2861
 Delta R.T. -0.02 min
 Lab File: BF096028.D
 Acq: 20 Jun 2017 5:13

Instrument :
 BNA_F
 ClientSampleId :
 G13-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	20.6	15.8	23.6

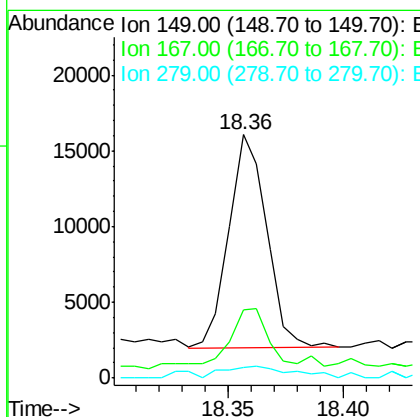
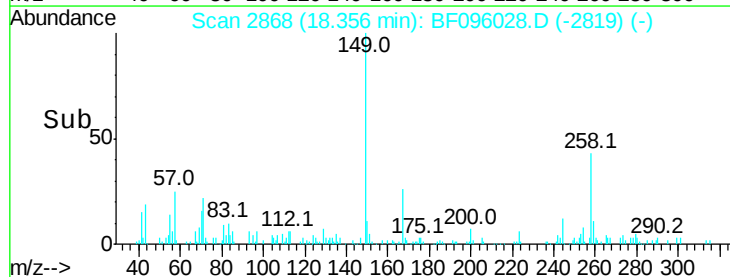
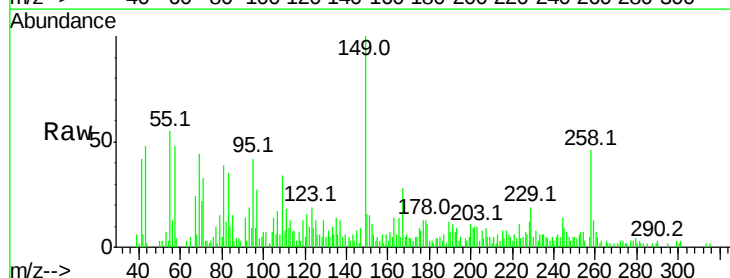
Manual Integrations
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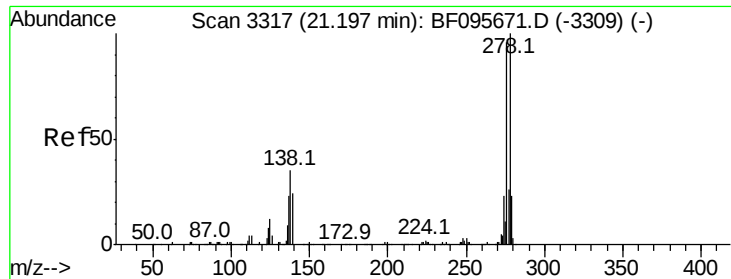
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.93 ng
 RT: 18.36 min Scan# 2868
 Delta R.T. -0.01 min
 Lab File: BF096028.D
 Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.0	31.4
279	4.5	1.9	2.9





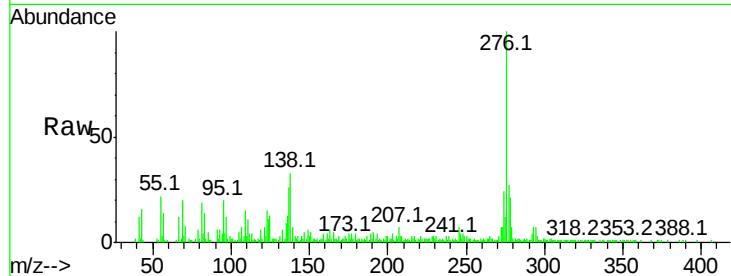
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.90 ng
 RT: 21.13 min Scan# 3340
 Delta R.T. 0.01 min
 Lab File: BF096028.D
 Acq: 20 Jun 2017 5:13

Instrument :
 BNA_F
 ClientSampleId :
 G13-1.5-3

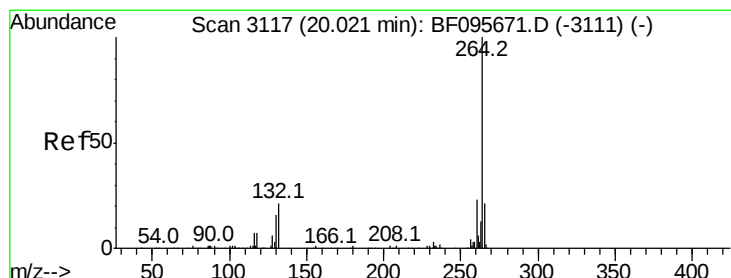
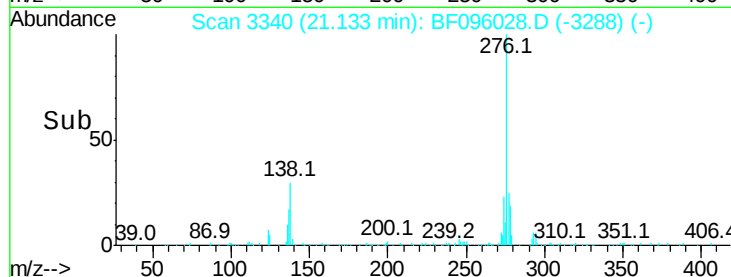
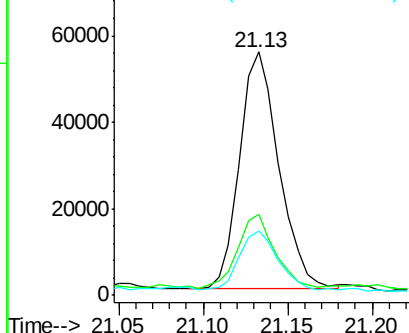
Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	28.9		27.8	41.6
277	26.9		20.2	30.4

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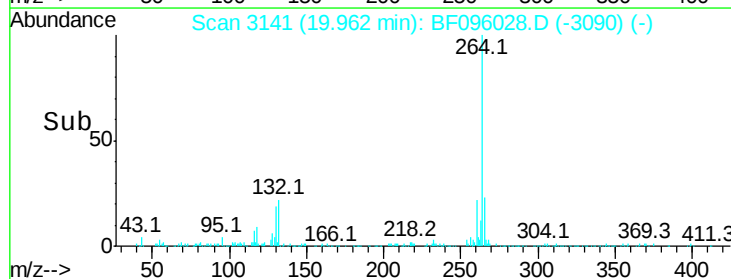
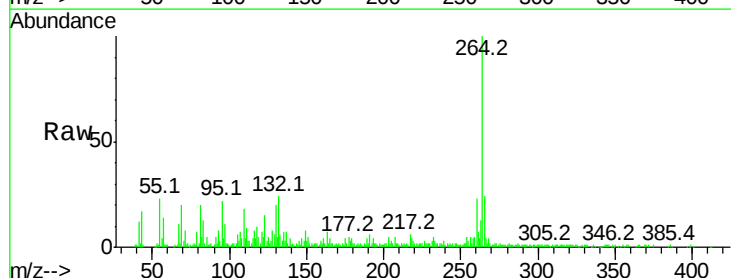
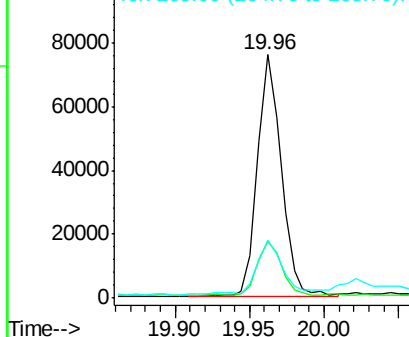
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

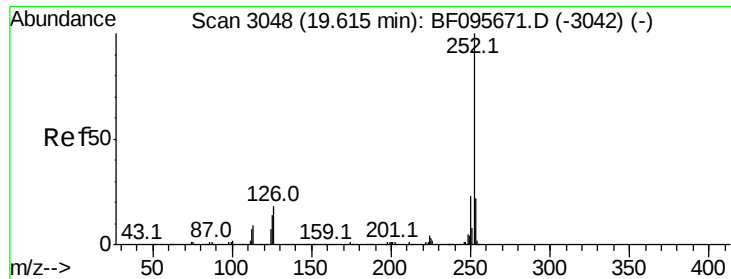


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.96 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: BF096028.D
 Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.1		19.5	29.3
265	23.6		17.2	25.8

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





#87

Benzo(b)fluoranthene

Concen: 53.05 ng m

RT: 19.56 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BF096028.D

Acq: 20 Jun 2017 5:13

Instrument :

BNA_F

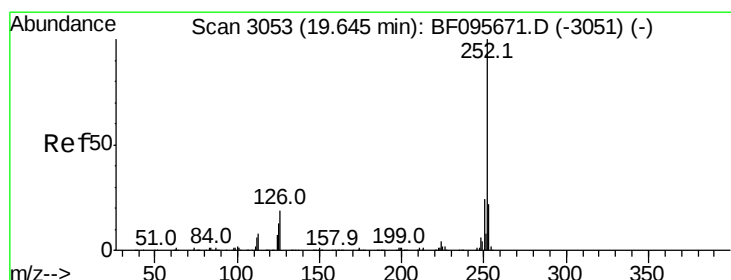
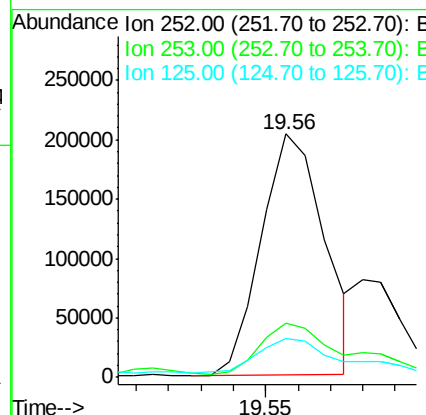
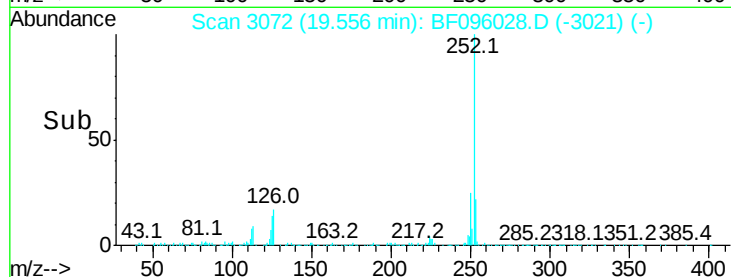
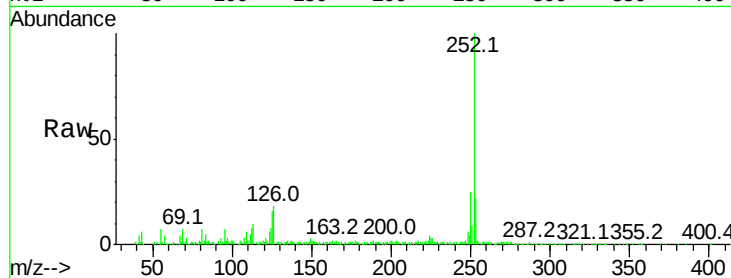
ClientSampled :

G13-1.5-3

Tot Ion:	252	Resp:	275629
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	16.0	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 16.79 ng m

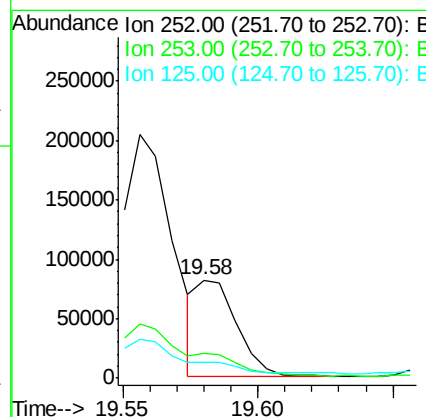
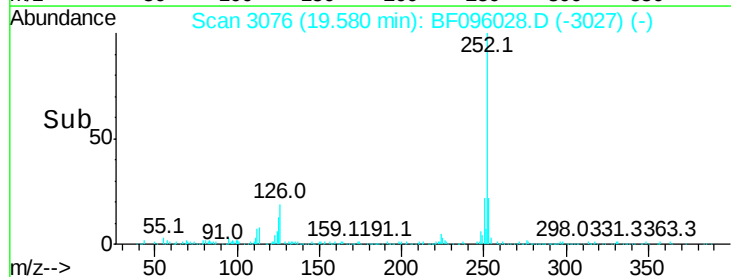
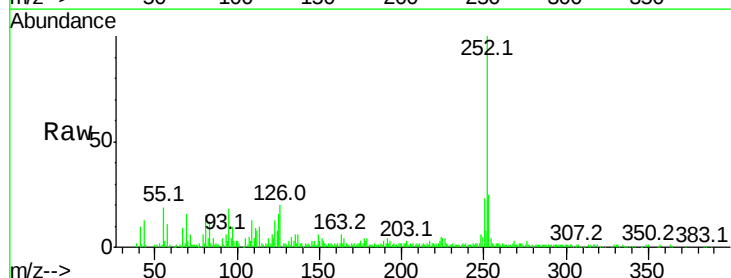
RT: 19.58 min Scan# 3076

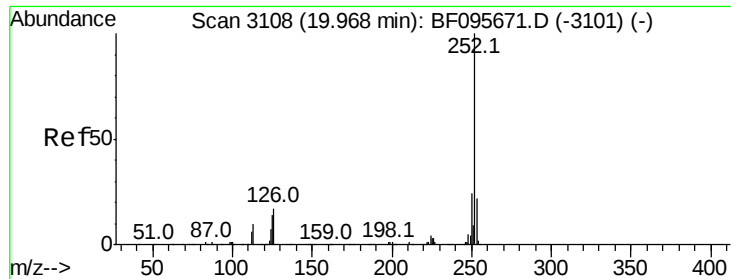
Delta R.T. -0.01 min

Lab File: BF096028.D

Acq: 20 Jun 2017 5:13

Tgt Ion:	252	Resp:	83359
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.4	27.6
125	16.3	13.1	19.7





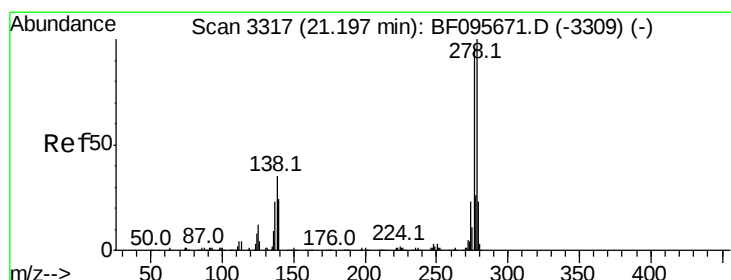
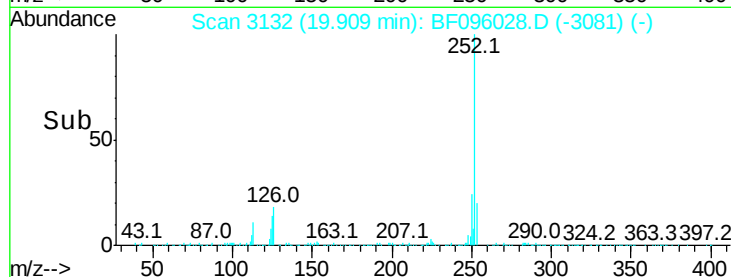
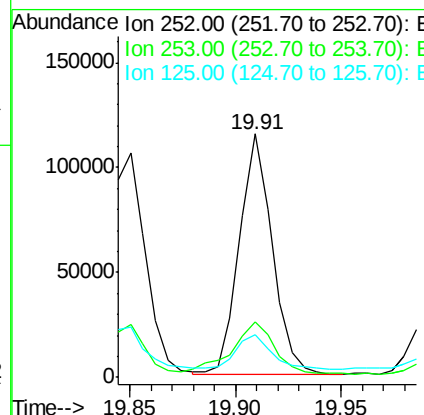
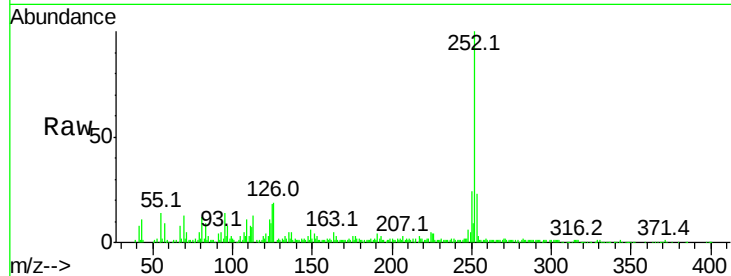
#89
Benzo(a)pyrene
Concen: 25.96 ng
RT: 19.91 min Scan# 3132
Delta R.T. 0.00 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Instrument :
BNA_F
ClientSampleId :
G13-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.5	26.3
125	17.6	11.0	16.4

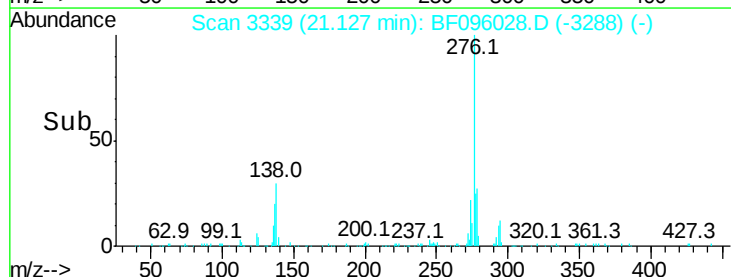
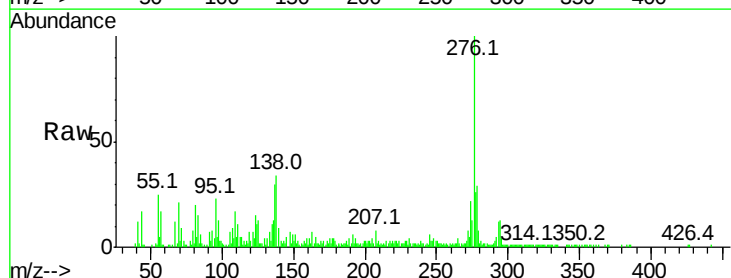
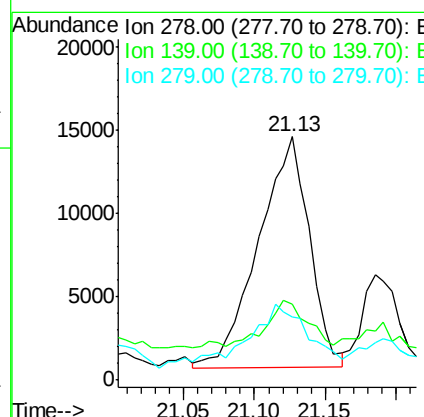
Manual Integrations
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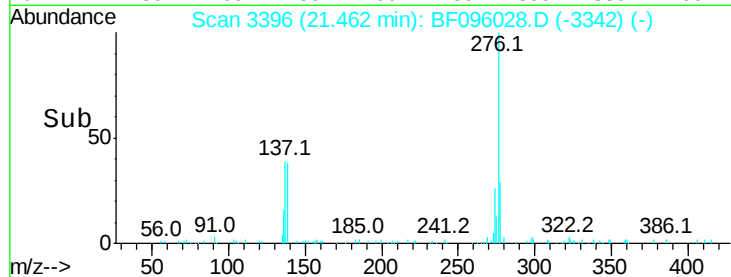
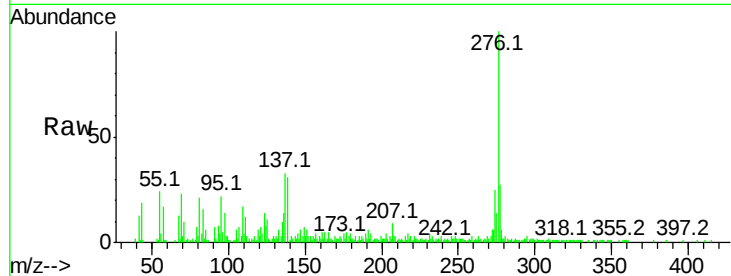
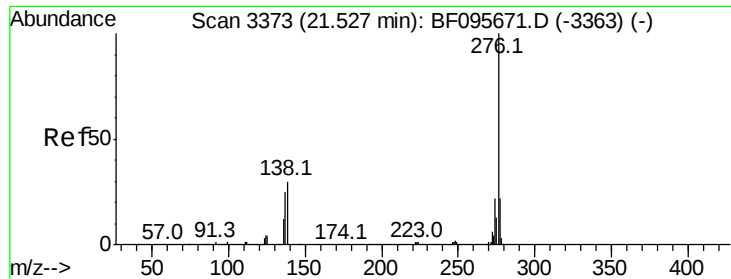
mohammad
6/20/2017 4:29:40 PM



#90
Dibenzo(a,h)anthracene
Concen: 8.66 ng
RT: 21.13 min Scan# 3339
Delta R.T. 0.00 min
Lab File: BF096028.D
Acq: 20 Jun 2017 5:13

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	31.1	16.6	24.8
279	26.1	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 19.38 ng

RT: 21.46 min Scan# 3396

Delta R.T. 0.02 min

Lab File: BF096028.D

Acq: 20 Jun 2017 5:13

Instrument :

BNA_F

ClientSampleId :

G13-1.5-3

Tot Ion:	276	Resp:	80032
Ion Ratio	Lower	Upper	
276	100		
277	27.1	18.6	28.0
138	31.5	25.4	38.0

Manual Integrations
APPROVED

mohammad
6/20/2017 4:29:40 PM

