

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096339.D
 Acq On : 30 Jun 2017 16:07
 Operator : SJ/MA
 Sample : I3883-15 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G29-0-1.5

Manual Integrations
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mohammad
 7/3/2017 11:36:53 AM

Quant Time: Jun 30 18:30:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138333	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	550079	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	200710	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	296135	20.00	ng	0.00
75) Chrysene-d12	13.92	240	254959	20.00	ng	0.00
86) Perylene-d12	15.34	264	172214	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	46069	4.80	ng	0.00
7) Phenol-d6	6.39	99	225791	19.42	ng	0.00
23) Nitrobenzene-d5	7.33	82	141473	17.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	1598	1.01	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	250612	22.87	ng	-0.02
78) Terphenyl-d14	12.87	244	178731	17.49	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.07	128	84945	3.20	ng	98
49) Dimethylphthalate	9.52	163	30533	2.13	ng	99
54) Dibenzofuran	10.01	168	37192	2.28	ng	97
70) Phenanthrene	11.31	178	312402	16.11	ng	99
71) Anthracene	11.36	178	71383	4.31	ng	97
72) Carbazole	11.51	167	40202	2.20	ng	99
74) Fluoranthene	12.50	202	274782	16.70	ng	96
77) Pyrene	12.72	202	236450	11.28	ng	97
80) Benzo(a)anthracene	13.91	228	105285	6.77	ng	97
82) Chrysene	13.94	228	82365	5.12	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	28767	2.16	ng	98
87) Benzo(b)fluoranthene	14.94	252	79405m	7.02	ng	
88) Benzo(k)fluoranthene	14.96	252	22960m	2.22	ng	
89) Benzo(a)pyrene	15.29	252	47259	4.73	ng	# 84
91) Benzo(a,h,i)perylene	17.16	276	28238	3.47	ng	99

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

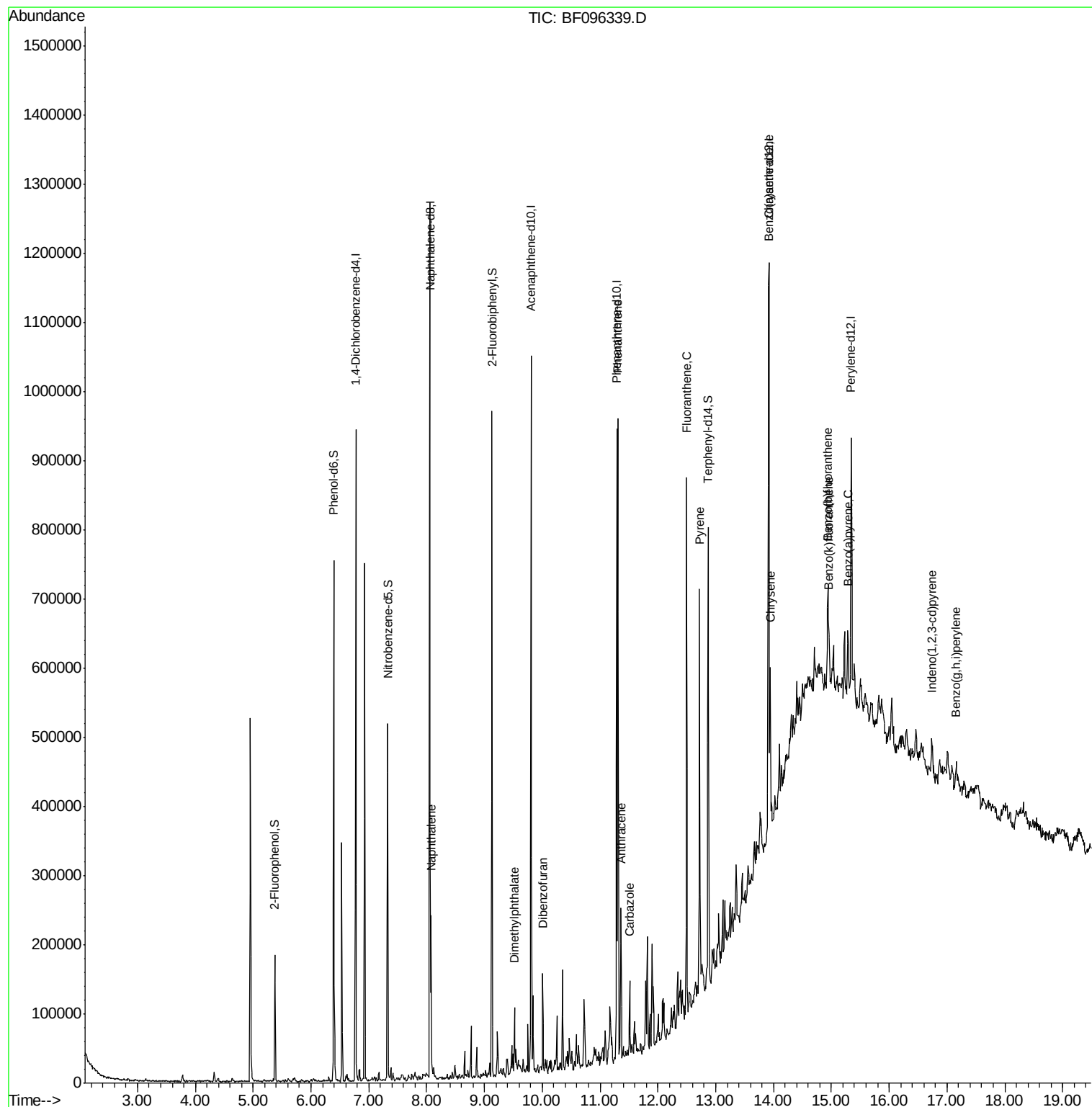
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096339.D
Acq On : 30 Jun 2017 16:07
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Sample : I3883-15 5X
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ALS Vial : 18 Sample Multiplier: 1

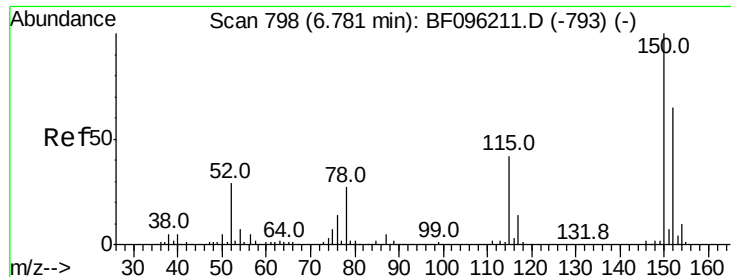
Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Manual Integrations
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Quant Time: Jun 30 18:30:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
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#1

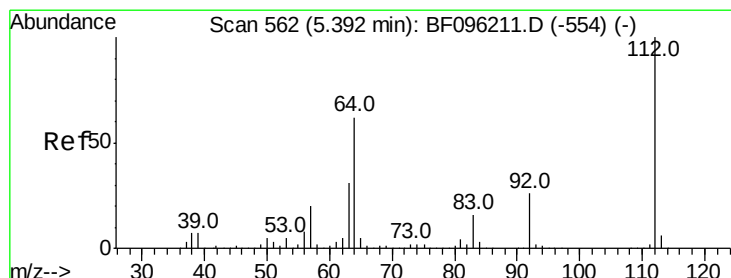
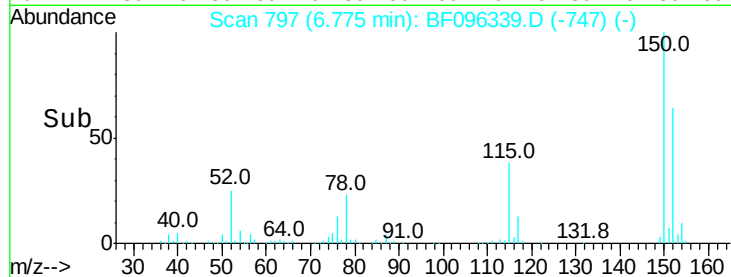
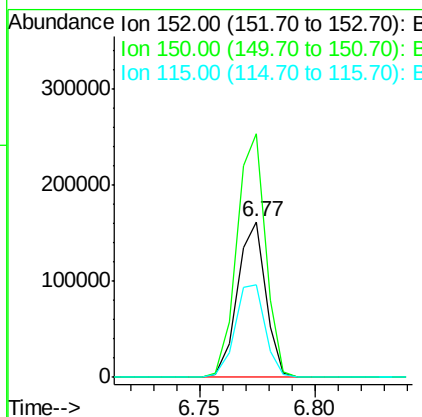
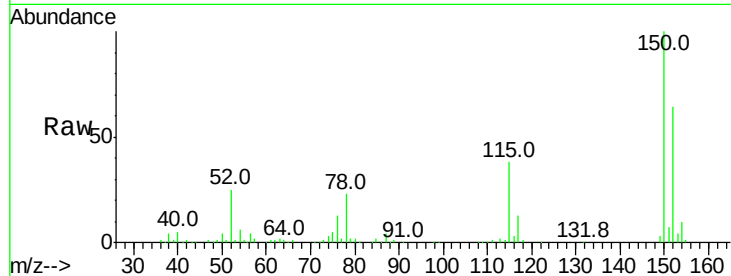
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	59.5	52.2	78.2

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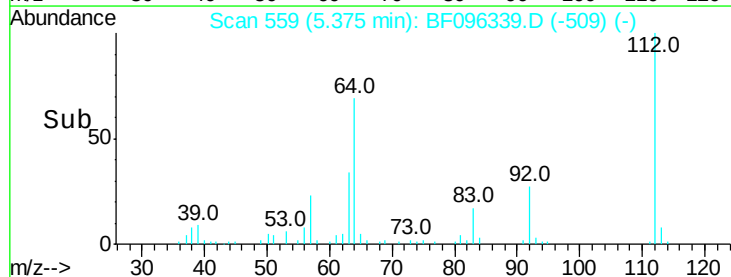
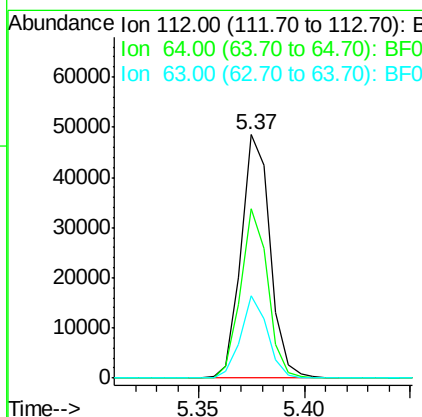
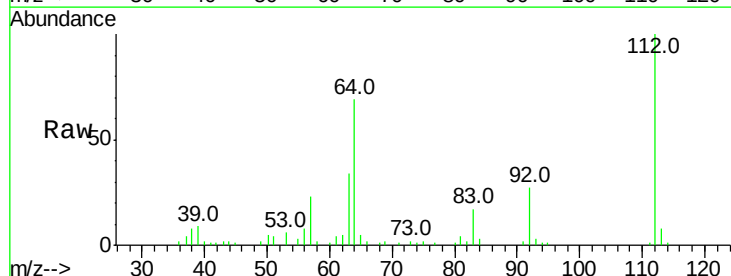
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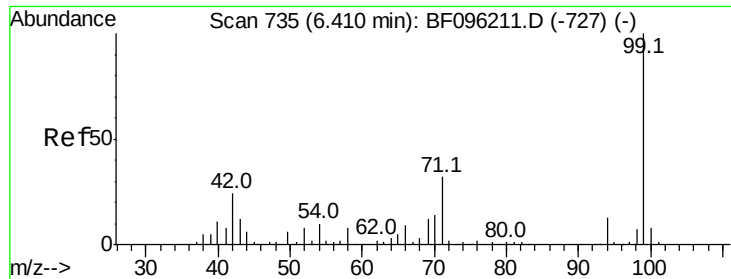


#5

2-Fluorophenol
Concen: 4.80 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	46.0	69.0#
63	34.0	23.4	35.0





#7

Phenol-d6

Concen: 19.42 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Instrument :

BNA_F

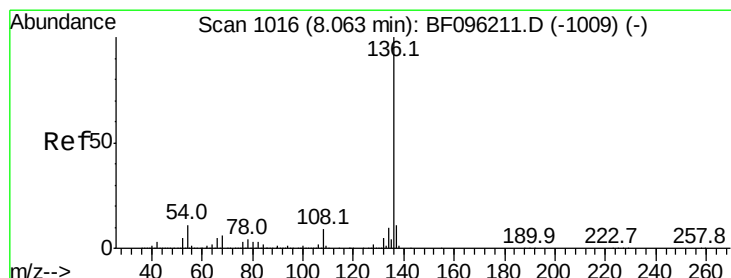
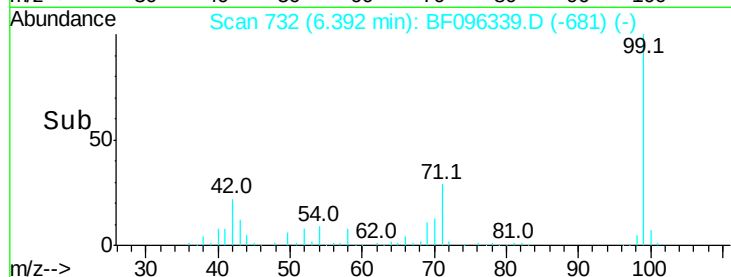
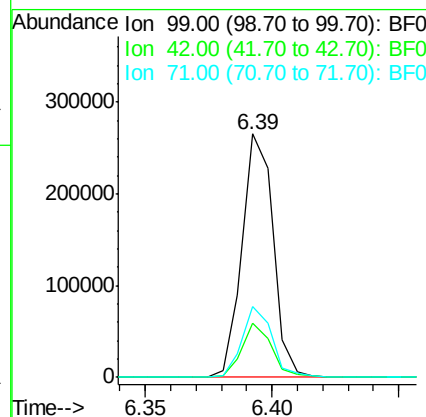
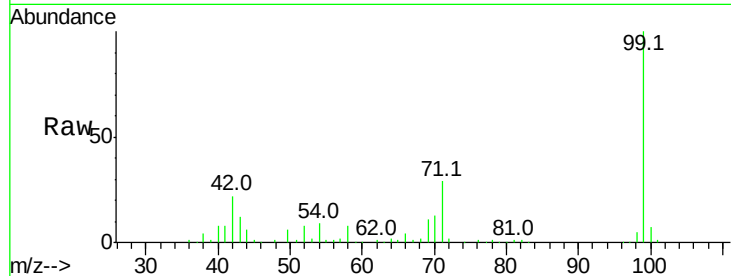
ClientSampleId :

G29-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
99	100	225791		
42	22.1	13.5	20.3#	
71	28.9	24.5	36.7	

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#21

Naphthalene-d8

Concen: 20.00 ng

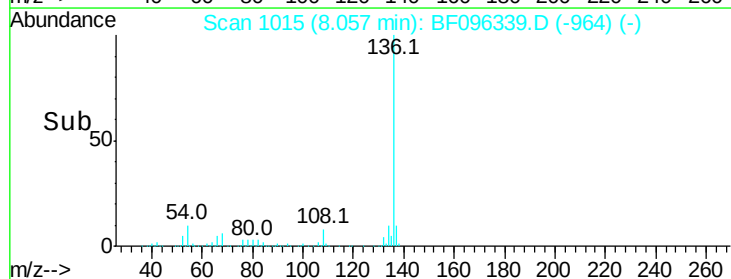
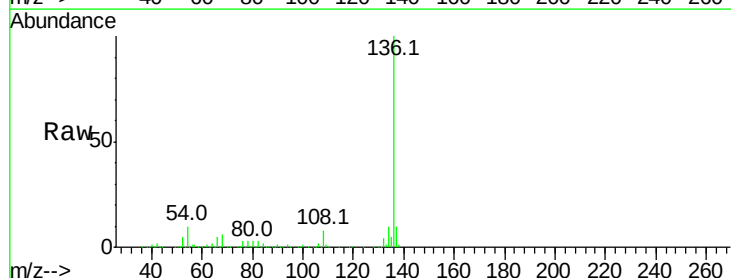
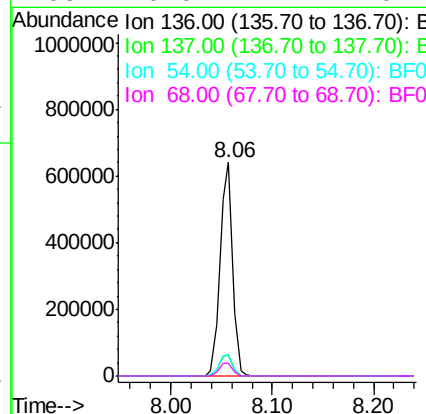
RT: 8.06 min Scan# 1015

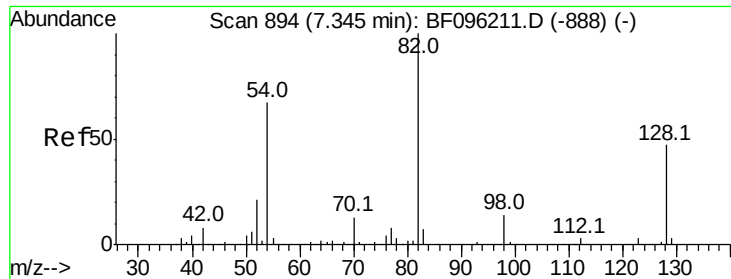
Delta R.T. -0.00 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	550079		
137	10.3	8.5	12.7	
54	9.7	4.9	7.3#	
68	6.0	4.1	6.1	





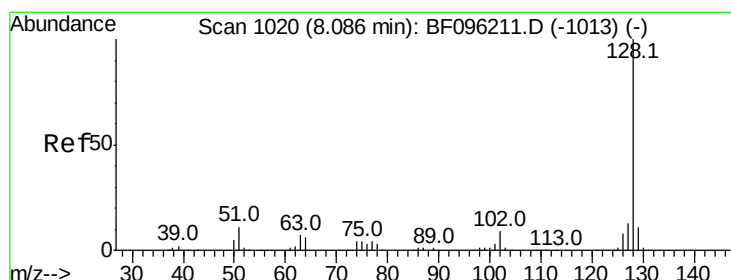
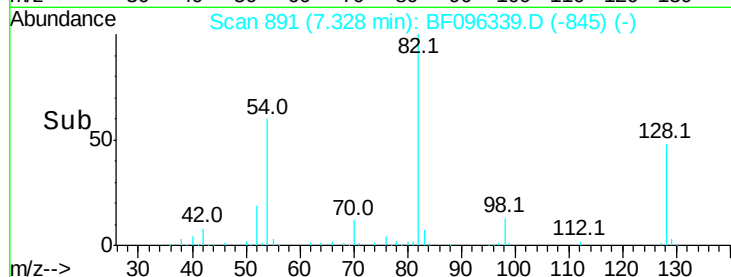
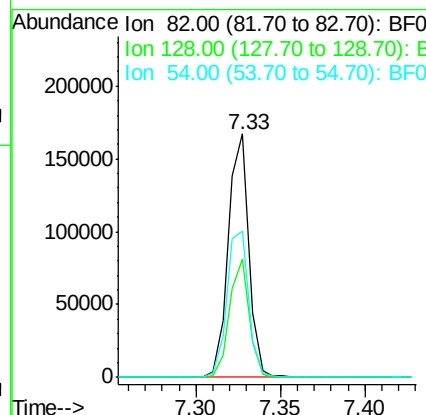
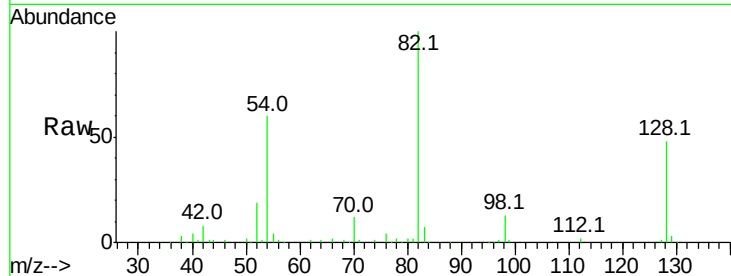
#23
Nitrobenzene-d5
Concen: 17.80 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.03 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.0	51.0
54	60.0	42.2	63.2

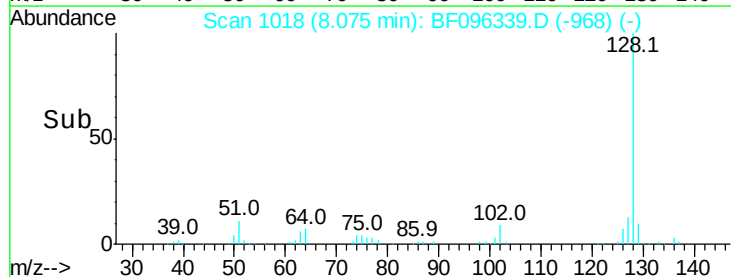
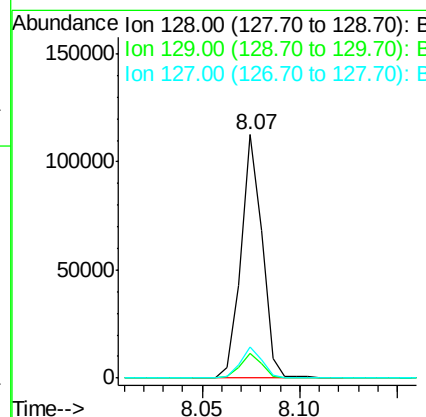
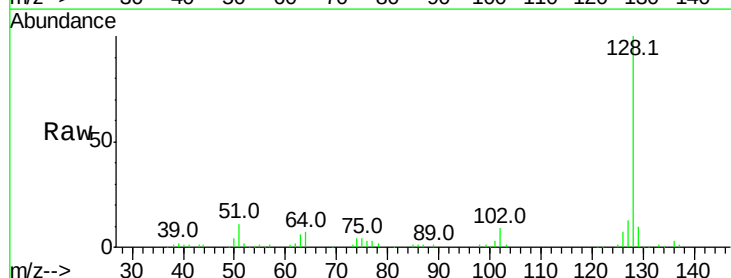
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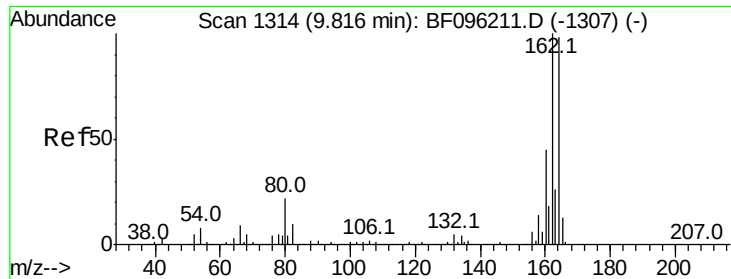
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#31
Naphthalene
Concen: 3.20 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.0	13.6
127	12.9	10.8	16.2





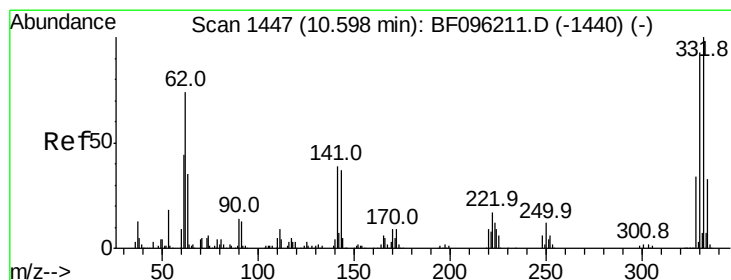
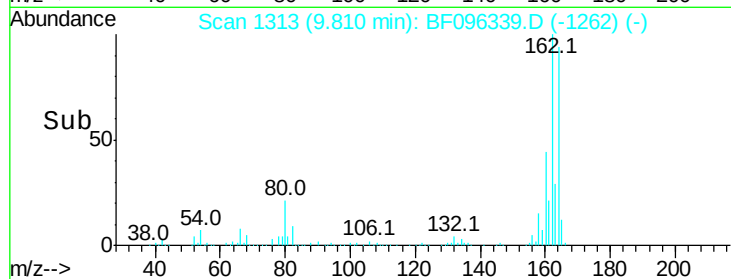
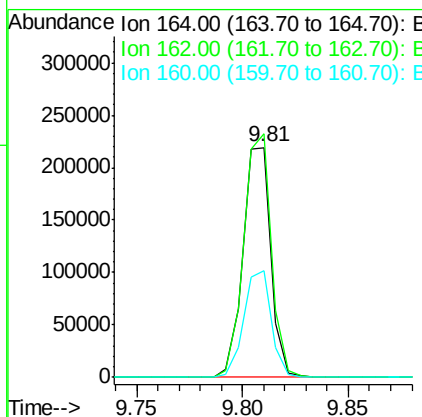
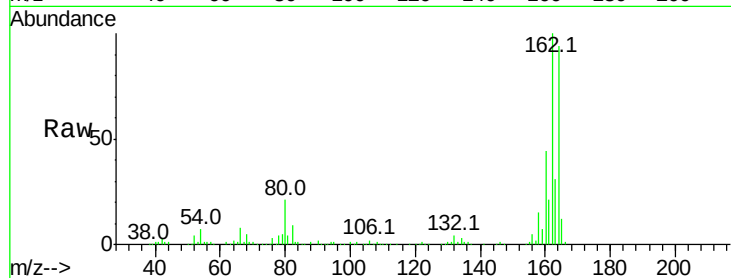
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	200710		
162	105.9	82.6	123.8	
160	46.6	36.2	54.2	

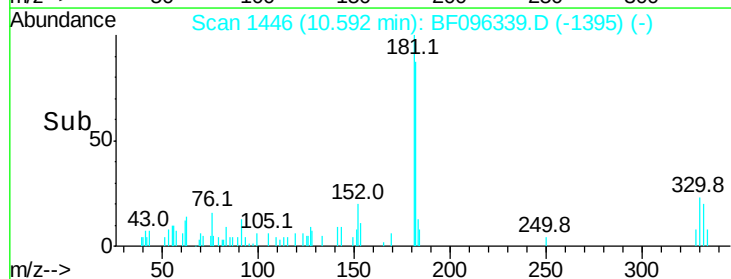
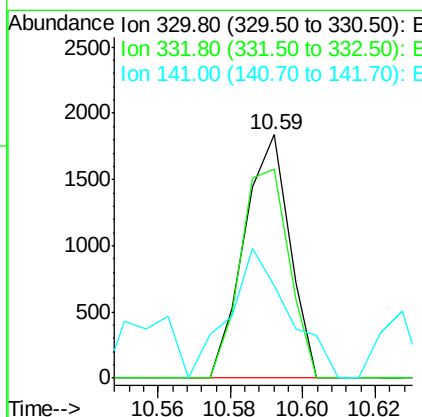
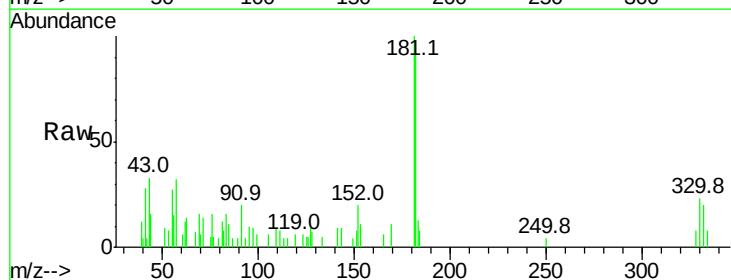
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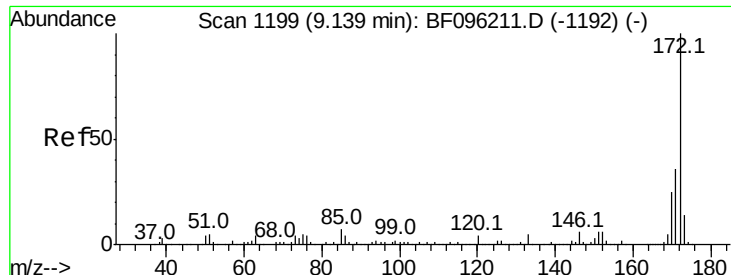
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#41
2,4,6-Tribromophenol
Concen: 1.01 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1598		
332	92.1	76.6	115.0	
141	70.1	31.4	47.2	





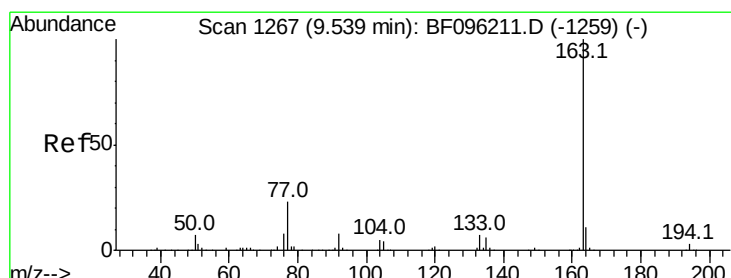
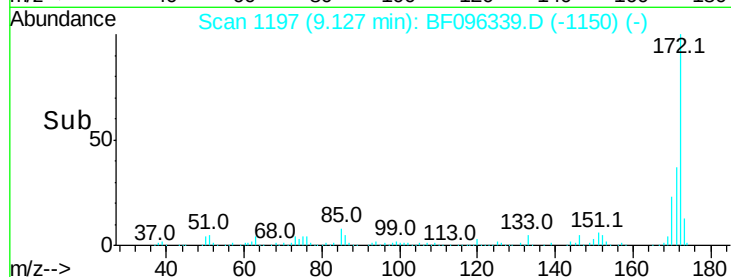
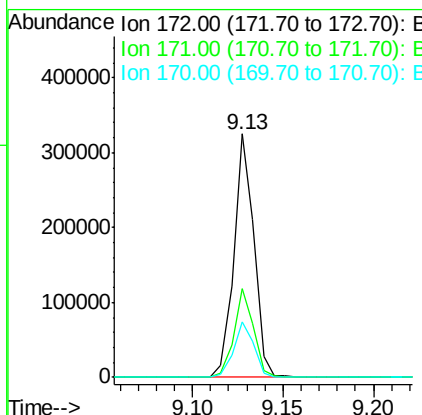
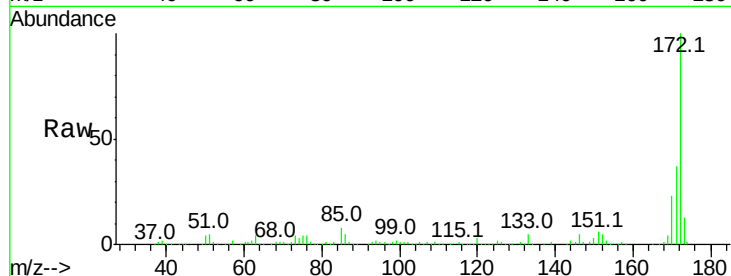
#44
2-Fluorobiphenyl
Concen: 22.87 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.6	29.6	44.4	
170	22.6	19.8	29.8	

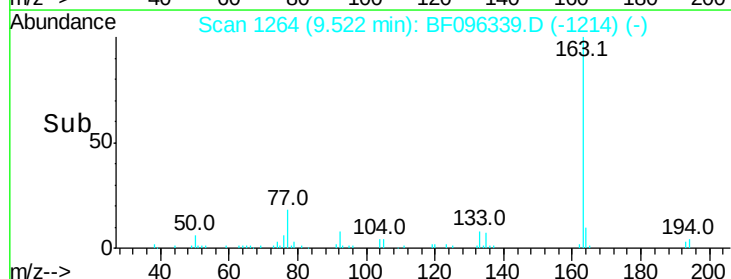
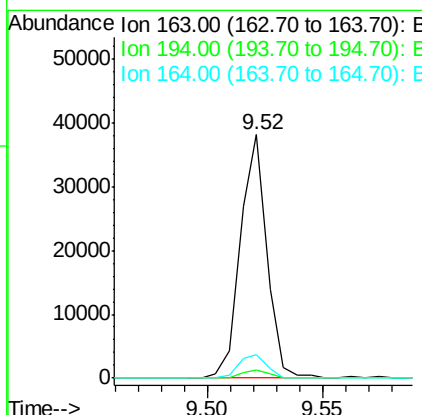
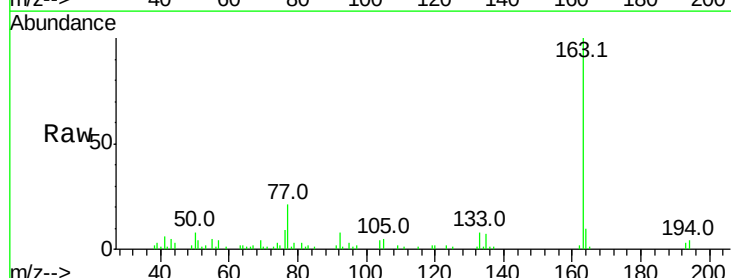
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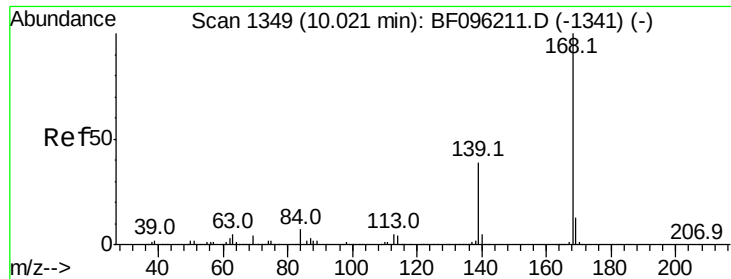
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#49
Dimethylphthalate
Concen: 2.13 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	9.9	8.4	12.6	





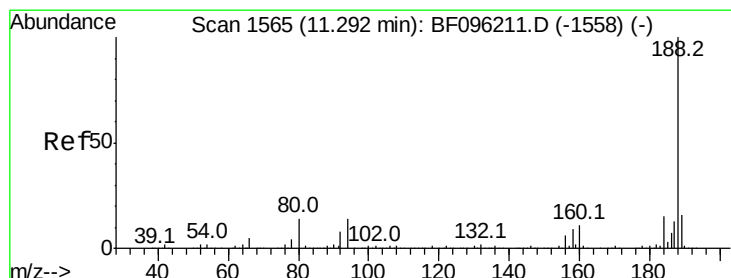
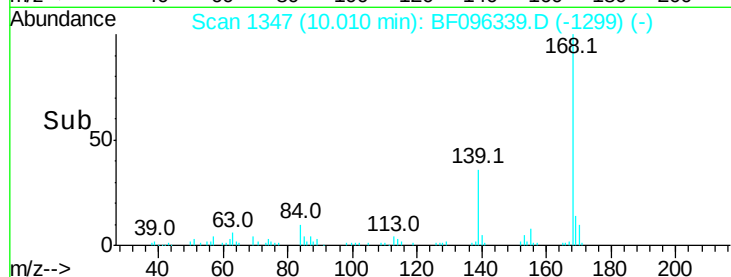
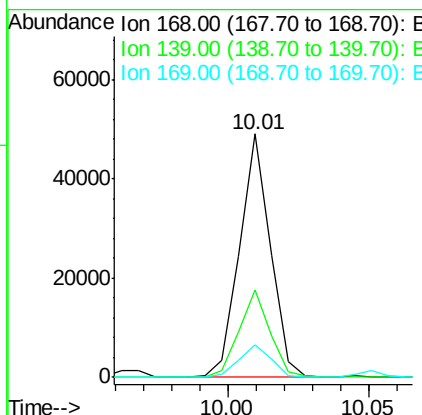
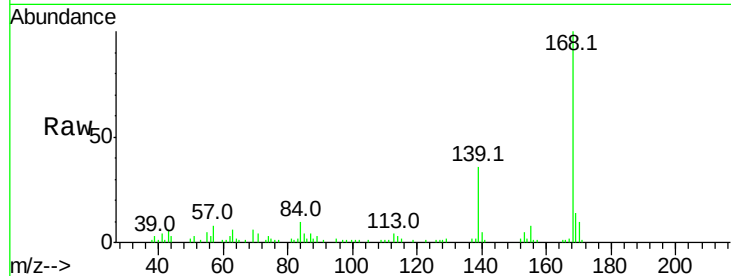
#54
Dibenzofuran
Concen: 2.28 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.0	30.6	45.8
169	13.5	10.8	16.2

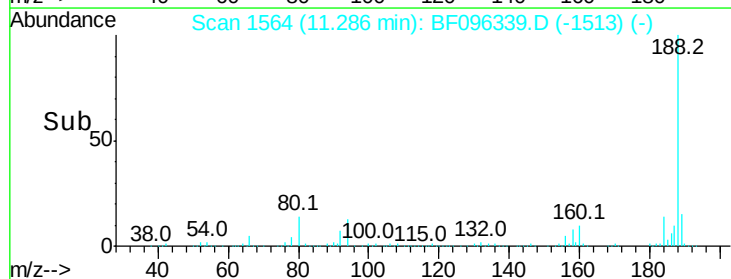
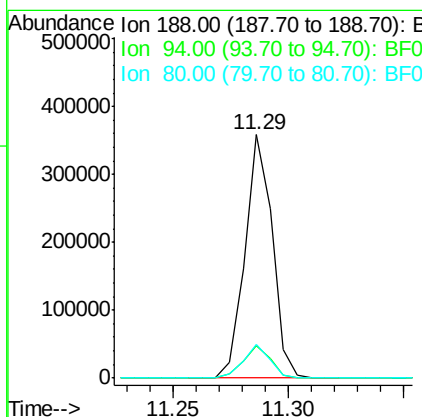
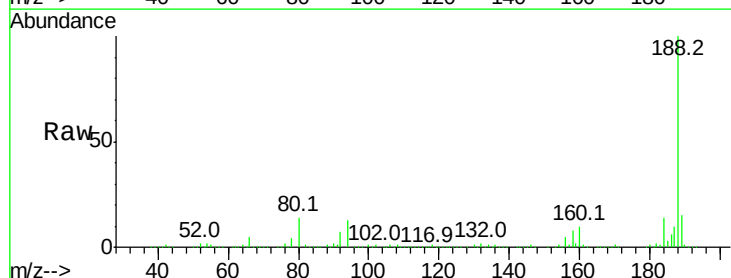
Manual Integrations
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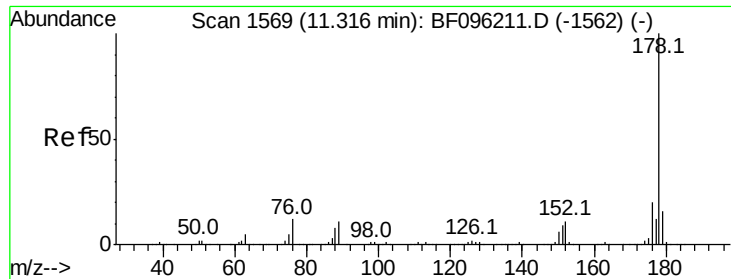
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.1	9.4	14.2
80	14.0	10.2	15.2





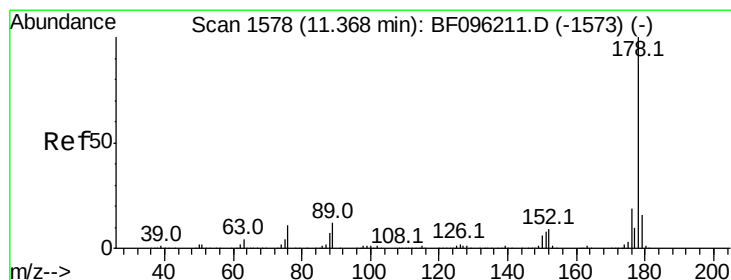
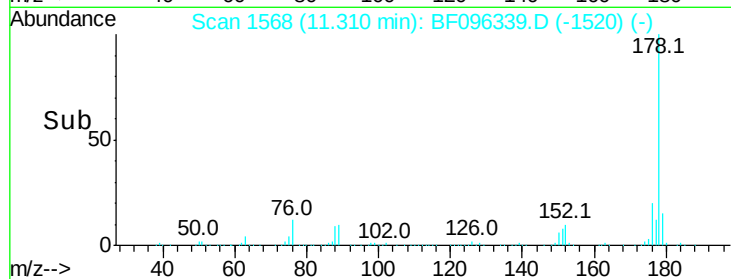
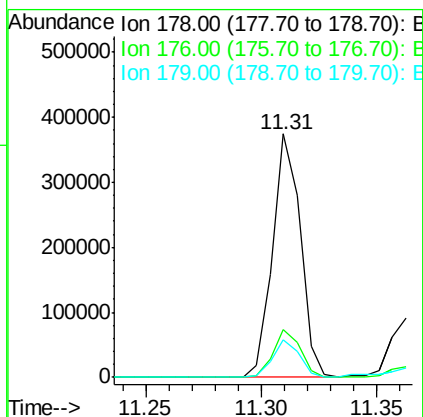
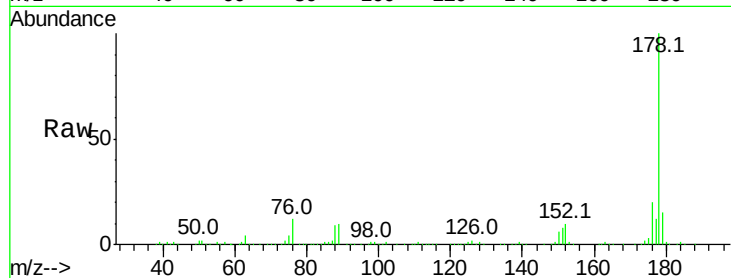
#70
Phenanthrene
Concen: 16.11 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.2	12.6	19.0

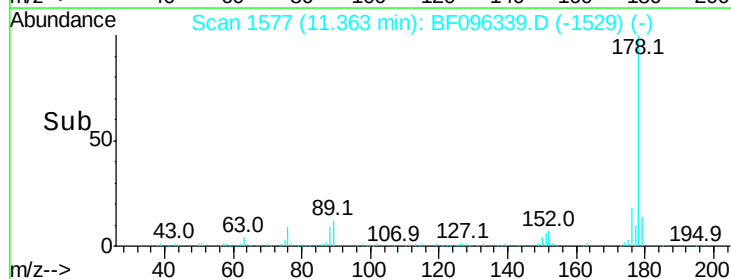
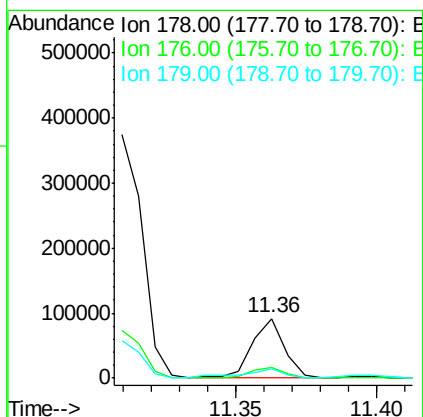
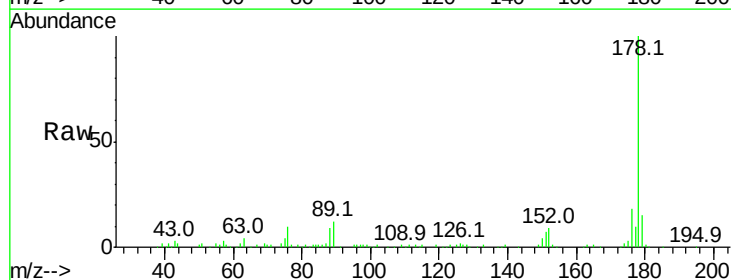
Manual Integrations
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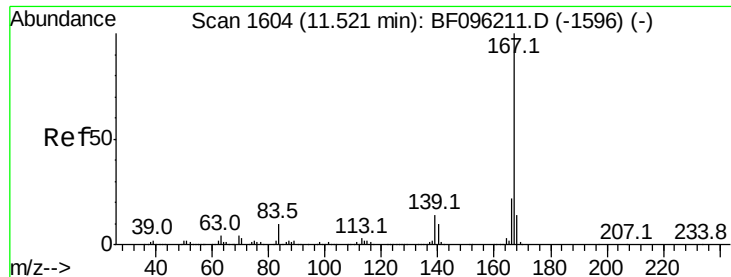
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#71
Anthracene
Concen: 4.31 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	14.8	12.7	19.1





#72

Carbazole

Concen: 2.20 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Instrument :

BNA_F

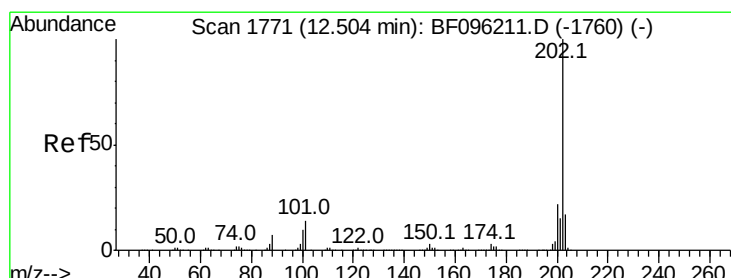
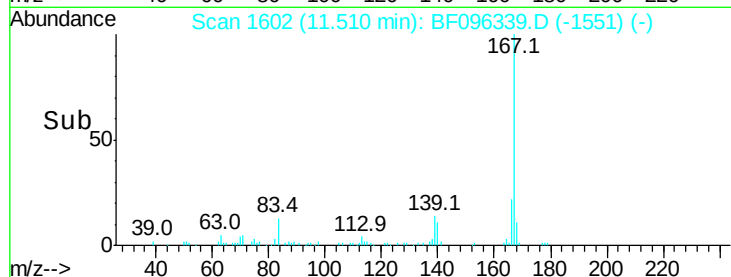
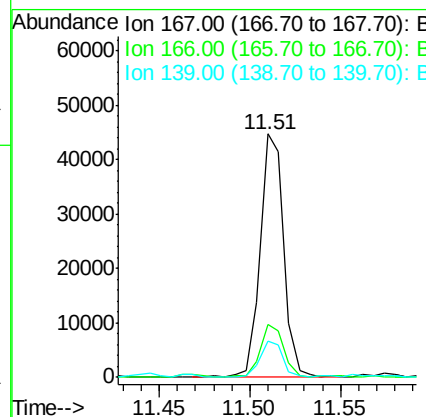
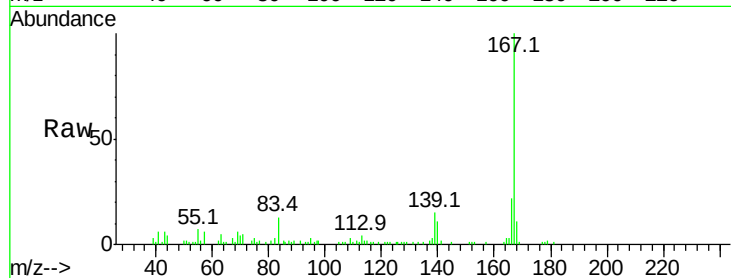
ClientSampleId :

G29-0-1.5

Tot Ion:	167	Resp:	40202
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.1	27.1
139	14.8	11.7	17.5

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#74

Fluoranthene

Concen: 16.70 ng

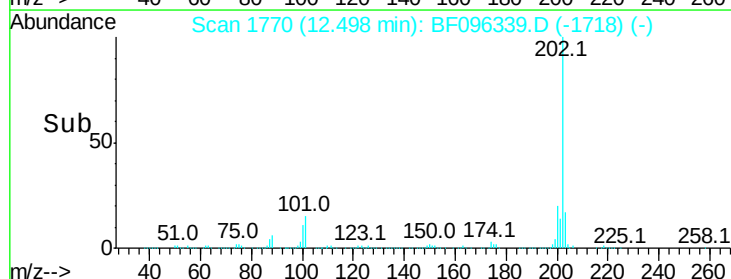
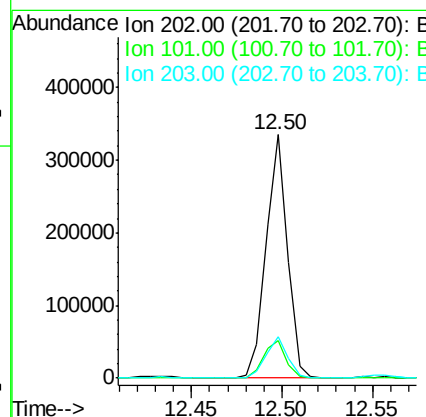
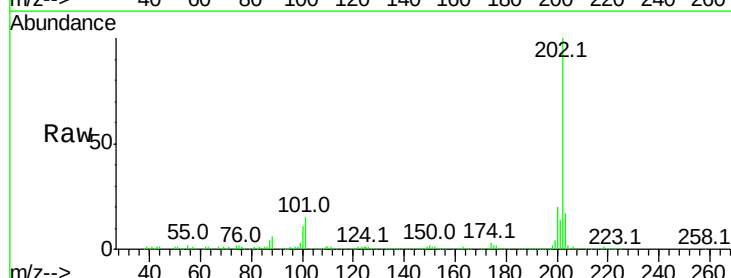
RT: 12.50 min Scan# 1770

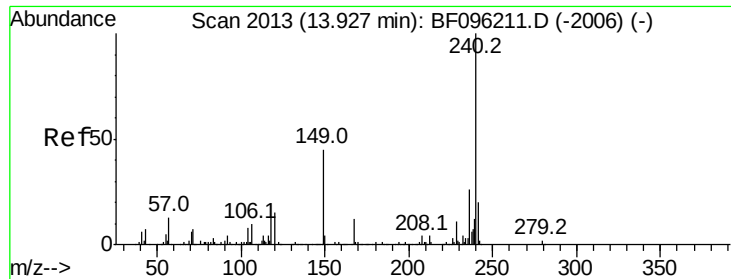
Delta R.T. 0.01 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Tgt Ion:	202	Resp:	274782
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Instrument :

BNA_F

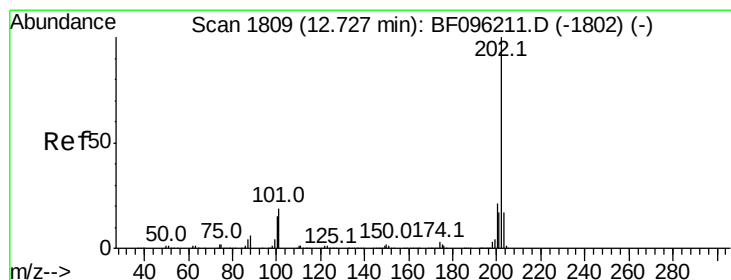
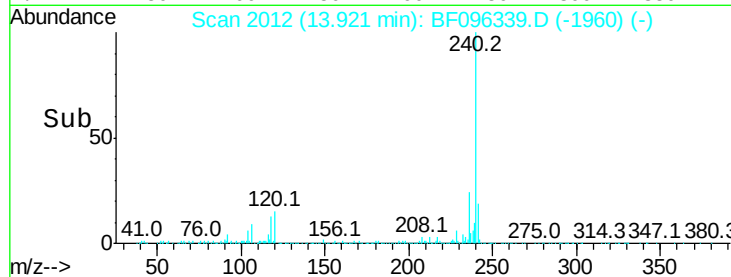
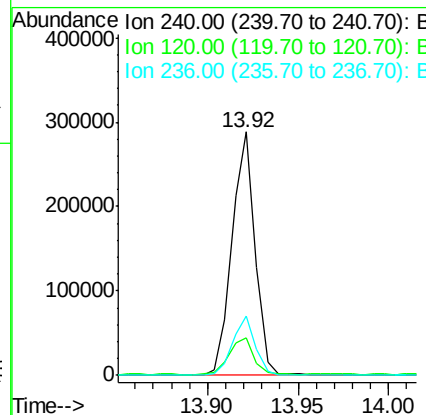
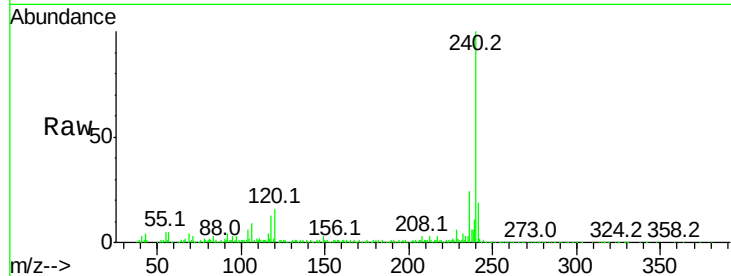
ClientSampleId :

G29-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.7	5.8	8.8#	
236	24.2	20.5	30.7	

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#77

Pyrene

Concen: 11.28 ng

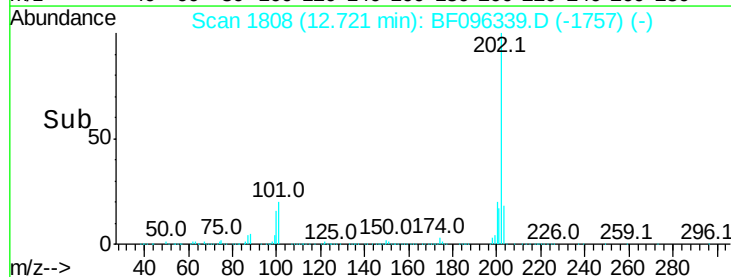
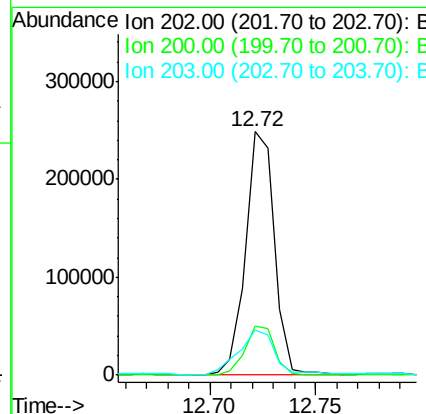
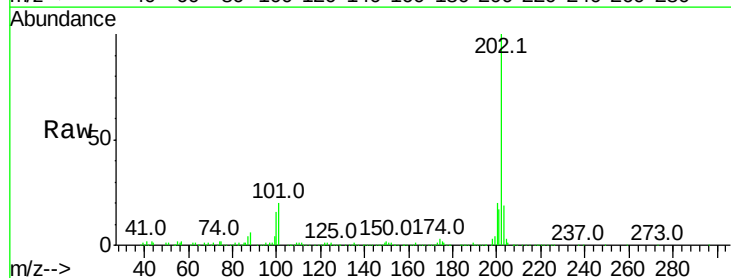
RT: 12.72 min Scan# 1808

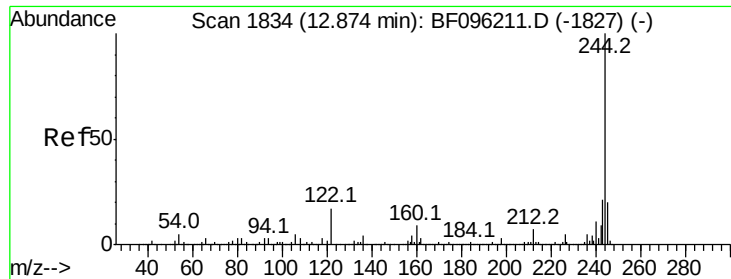
Delta R.T. -0.00 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	17.6	26.4	
203	18.6	14.4	21.6	





#78

Terphenyl-d14

Concen: 17.49 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Instrument :

BNA_F

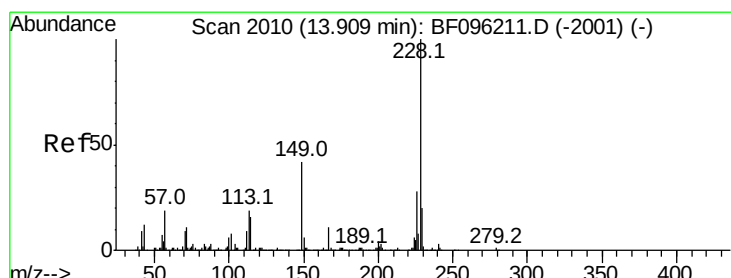
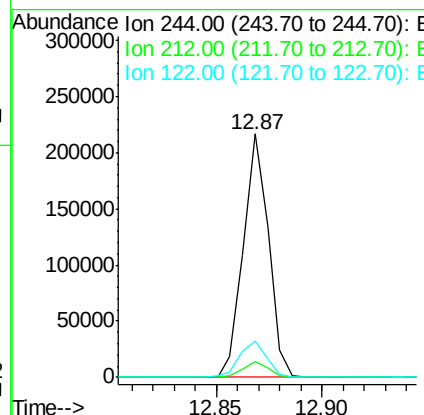
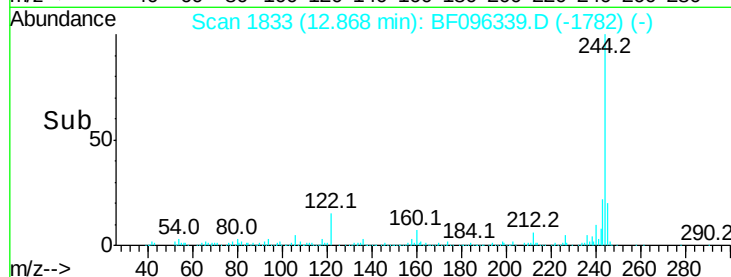
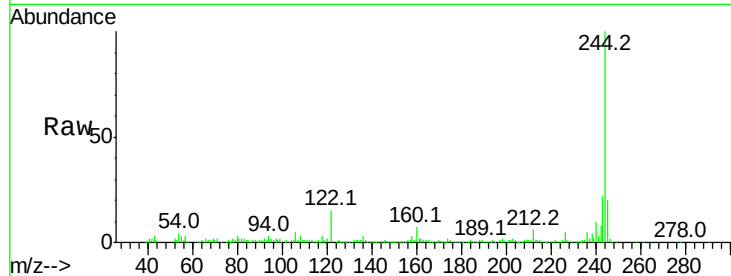
ClientSampled :

G29-0-1.5

Tot Ion:	244	Resp:	178731
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.0	9.0
122	14.8	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 6.77 ng

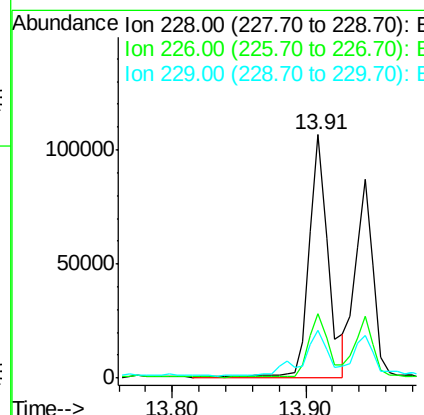
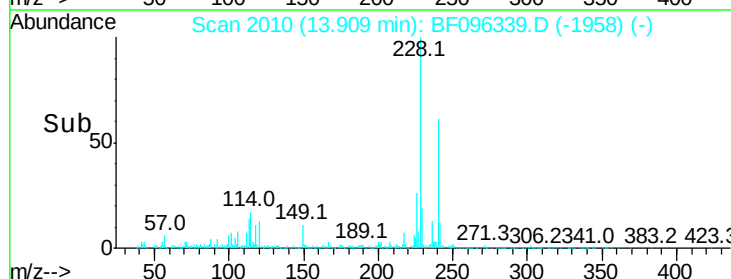
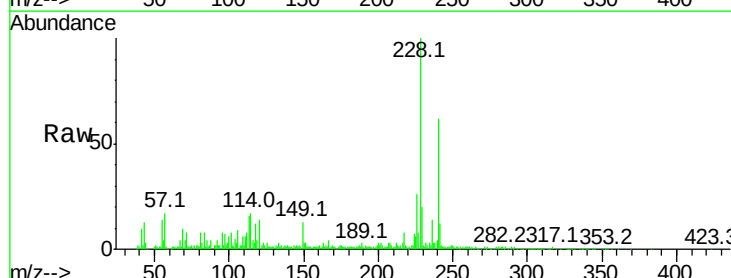
RT: 13.91 min Scan# 2010

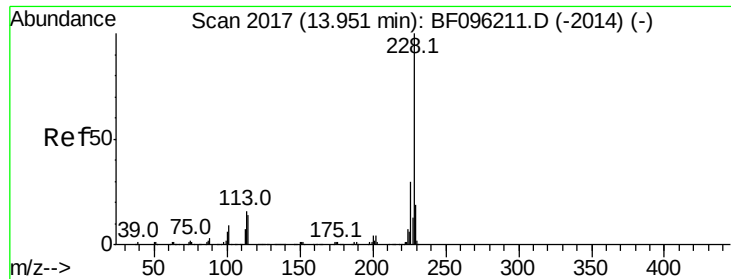
Delta R.T. 0.01 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Tgt Ion:	228	Resp:	105285
Ion Ratio	Lower	Upper	
228	100		
226	26.4	22.6	33.8
229	19.5	16.3	24.5





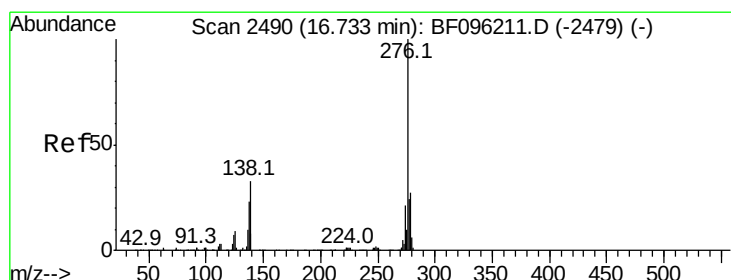
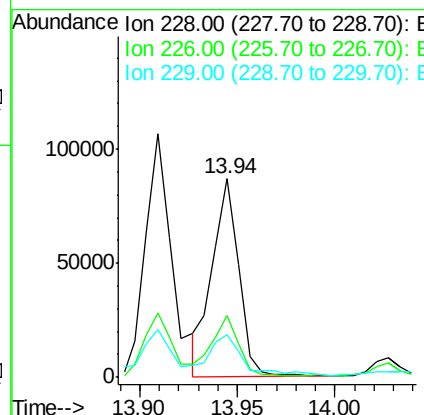
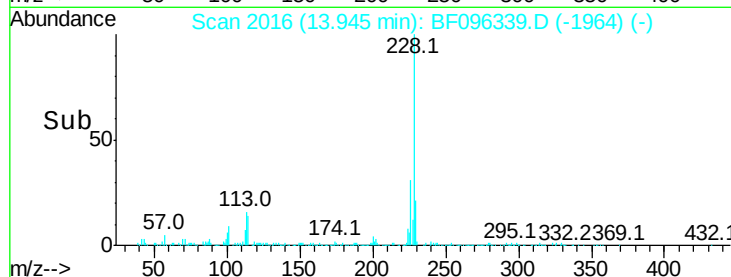
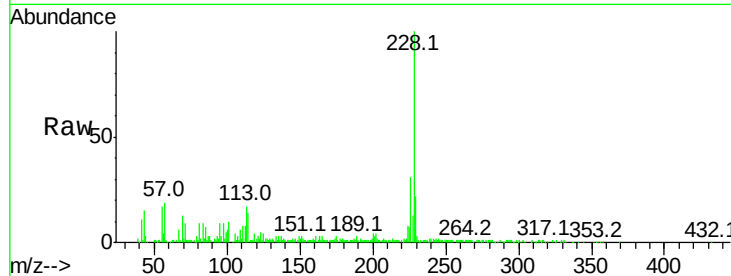
#82
Chrysene
Concen: 5.12 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	21.6	15.8	23.6

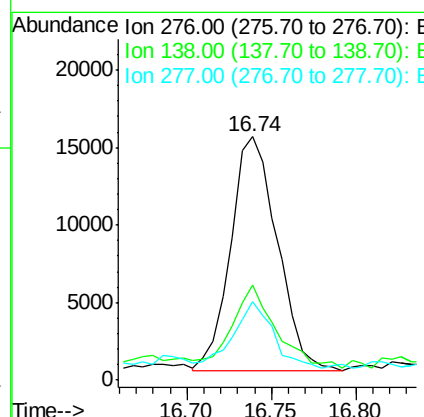
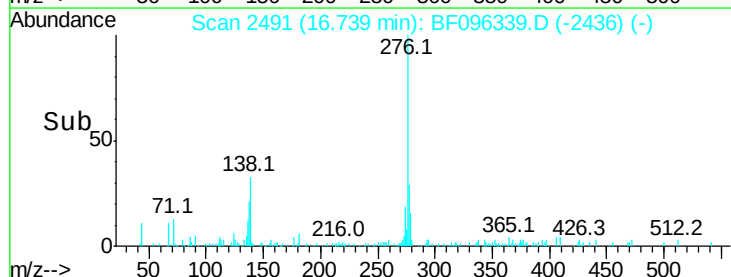
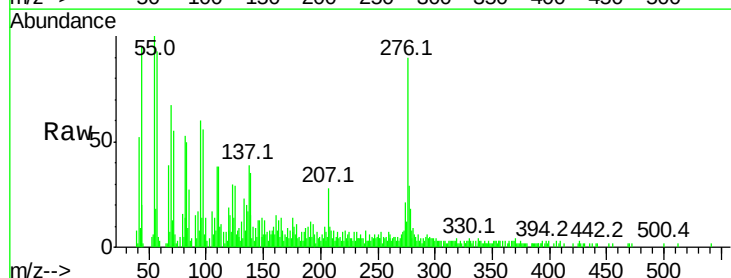
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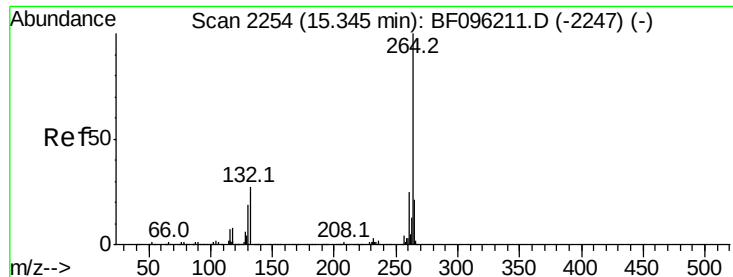
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.16 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.9	27.8	41.6
277	25.0	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Instrument :

BNA_F

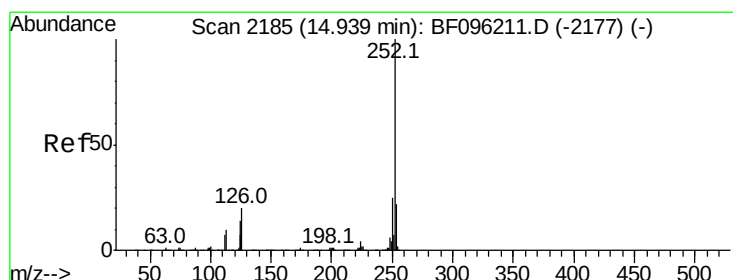
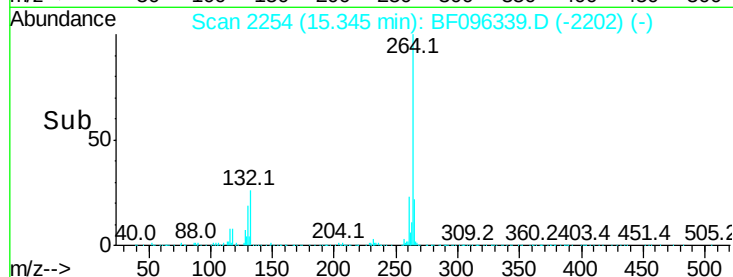
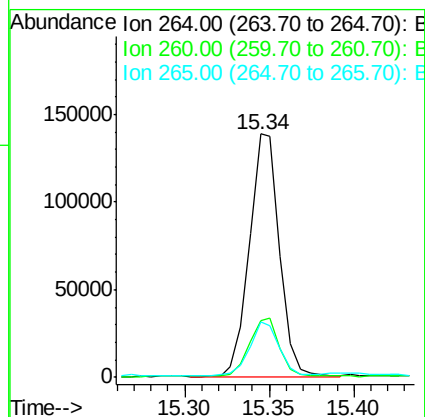
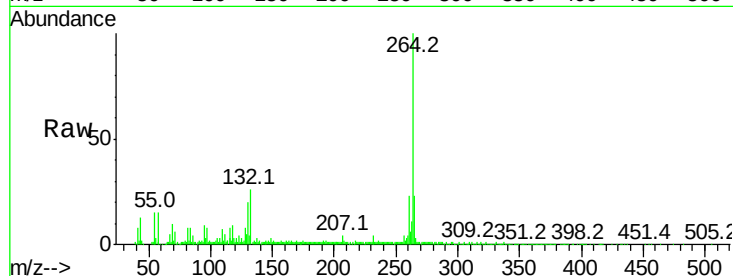
ClientSampleId :

G29-0-1.5

Tot Ion:	264	Resp:	172214
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.5	29.3
265	22.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 7.02 ng m

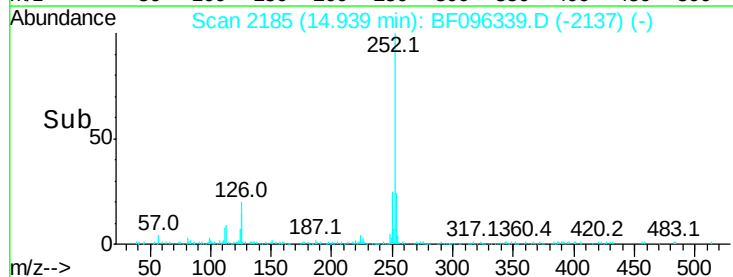
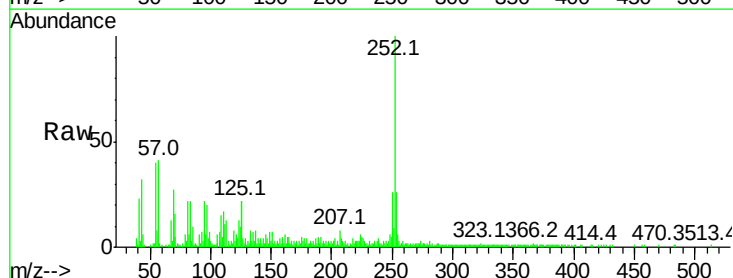
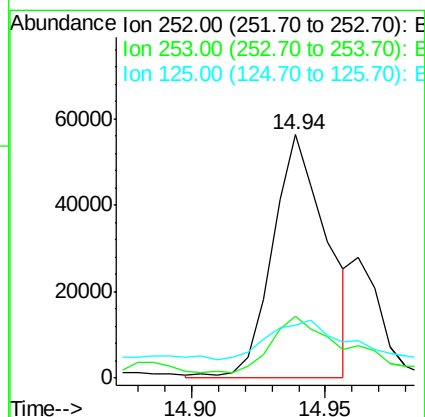
RT: 14.94 min Scan# 2185

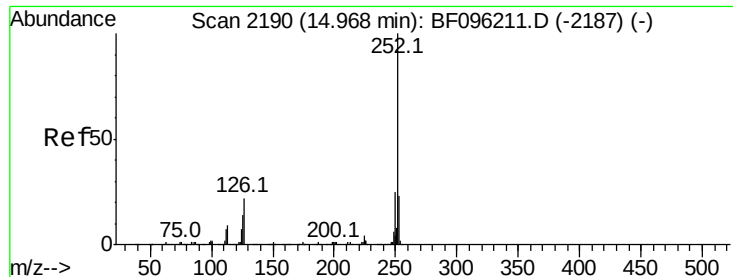
Delta R.T. -0.02 min

Lab File: BF096339.D

Acq: 30 Jun 2017 16:07

Tgt Ion:	252	Resp:	79405
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.1	27.1
125	21.9	9.8	14.8#





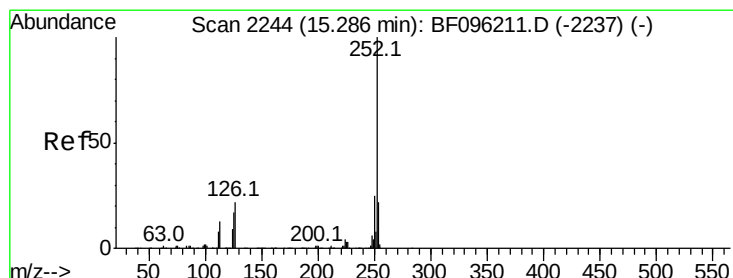
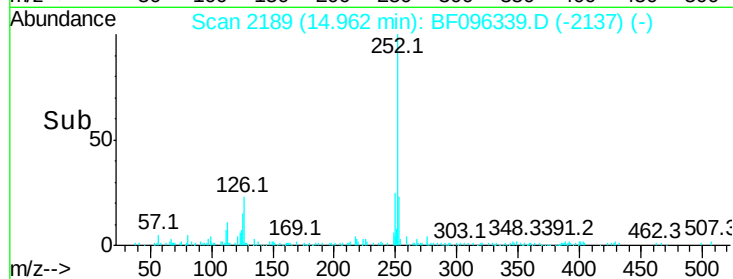
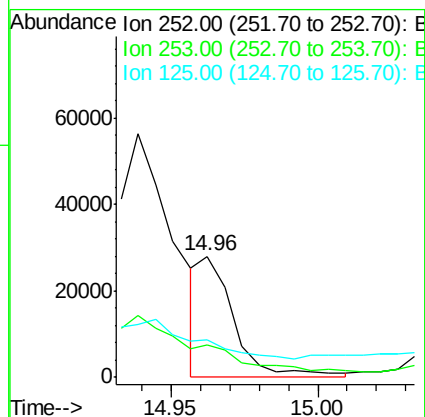
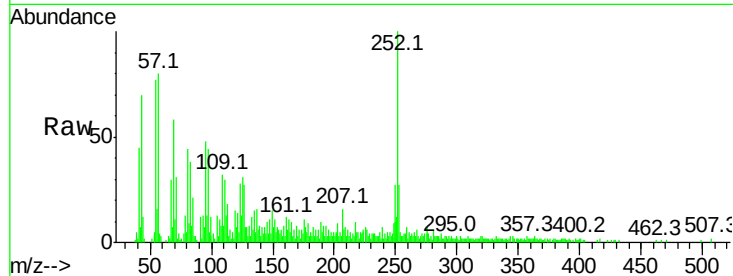
#88
Benzo(k)fluoranthene
Concen: 2.22 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.4	27.6
125	31.4	13.1	19.7

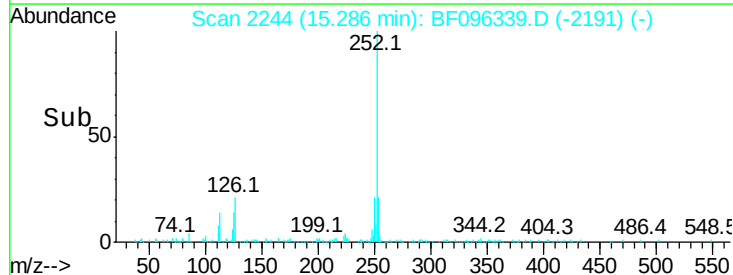
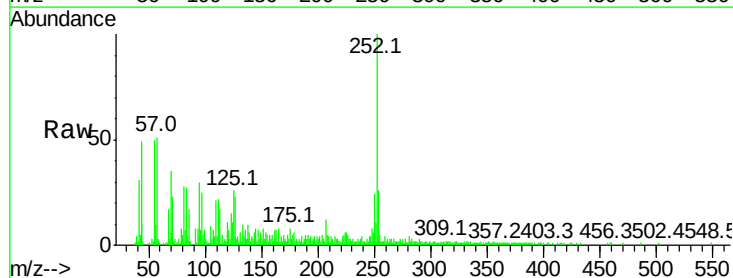
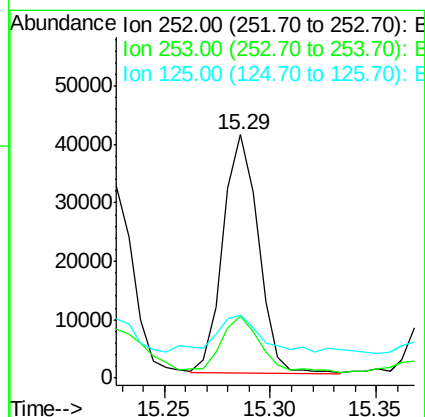
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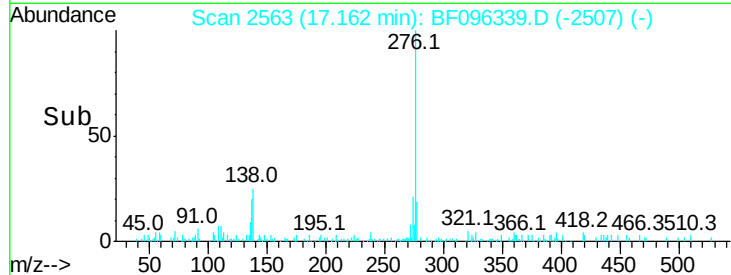
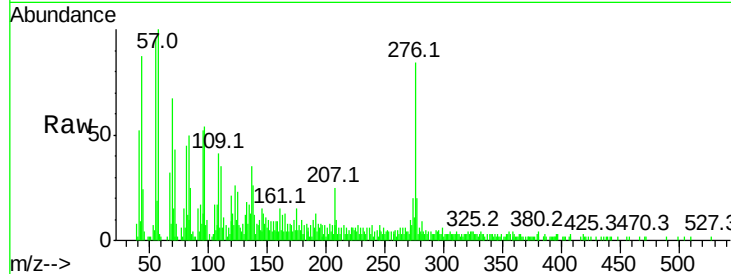
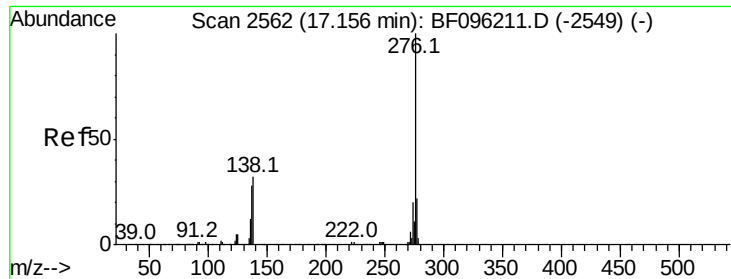
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#89
Benzo(a)pyrene
Concen: 4.73 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	25.9	11.0	16.4





#91
Benzo(a,h,i)perylene
Concen: 3.47 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.03 min
Lab File: BF096339.D
Acq: 30 Jun 2017 16:07

Instrument :
BNA_F
ClientSampleId :
G29-0-1.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	31.6	25.4	38.0

Manual Integrations
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