

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096027.D
 Acq On : 20 Jun 2017 4:40
 Operator : SJ/MA
 Sample : I3688-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G15-1.5-3

Manual Integrations
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Quant Time: Jun 20 08:18:02 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	68142	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	271451	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	105010	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	150306	20.00	ng	-0.02
75) Chrysene-d12	18.28	240	131593	20.00	ng	-0.02
86) Perylene-d12	19.96	264	89814	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	556168	130.06	ng	-0.02
7) Phenol-d6	6.89	99	663201	129.54	ng	-0.02
23) Nitrobenzene-d5	8.23	82	373086	85.36	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	89741	96.59	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	678049	89.85	ng	-0.02
78) Terphenyl-d14	16.94	244	423694	79.91	ng	-0.01

Target Compounds						Qvalue
31) Naphthalene	9.37	128	90516	6.64	ng	99
37) 2-Methylnaphthalene	10.50	142	59584	6.47	ng	97
48) Acenaphthylene	11.93	152	28365	2.45	ng	99
49) Dimethylphthalate	11.82	163	109014	13.67	ng	99
54) Dibenzofuran	12.50	168	40161	4.27	ng	99
70) Phenanthrene	14.59	178	117462	13.54	ng	97
71) Anthracene	14.68	178	53881	5.95	ng	95
74) Fluoranthene	16.37	202	166458	19.39	ng	97
77) Pyrene	16.68	202	140758	14.34	ng	96
80) Benzo(a)anthracene	18.27	228	73832m	9.65	ng	
82) Chrysene	18.32	228	99954	13.07	ng	97
85) Indeno(1,2,3-cd)pyrene	21.13	276	41399	6.33	ng	95
87) Benzo(b)fluoranthene	19.56	252	119956m	21.33	ng	
88) Benzo(k)fluoranthene	19.59	252	33975m	6.32	ng	
89) Benzo(a)pyrene	19.91	252	49965	9.67	ng	# 91
90) Dibenzo(a,h)anthracene	21.13	278	15331	3.50	ng	# 65
91) Benzo(a,h,i)perylene	21.46	276	36619	8.19	ng	# 94

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

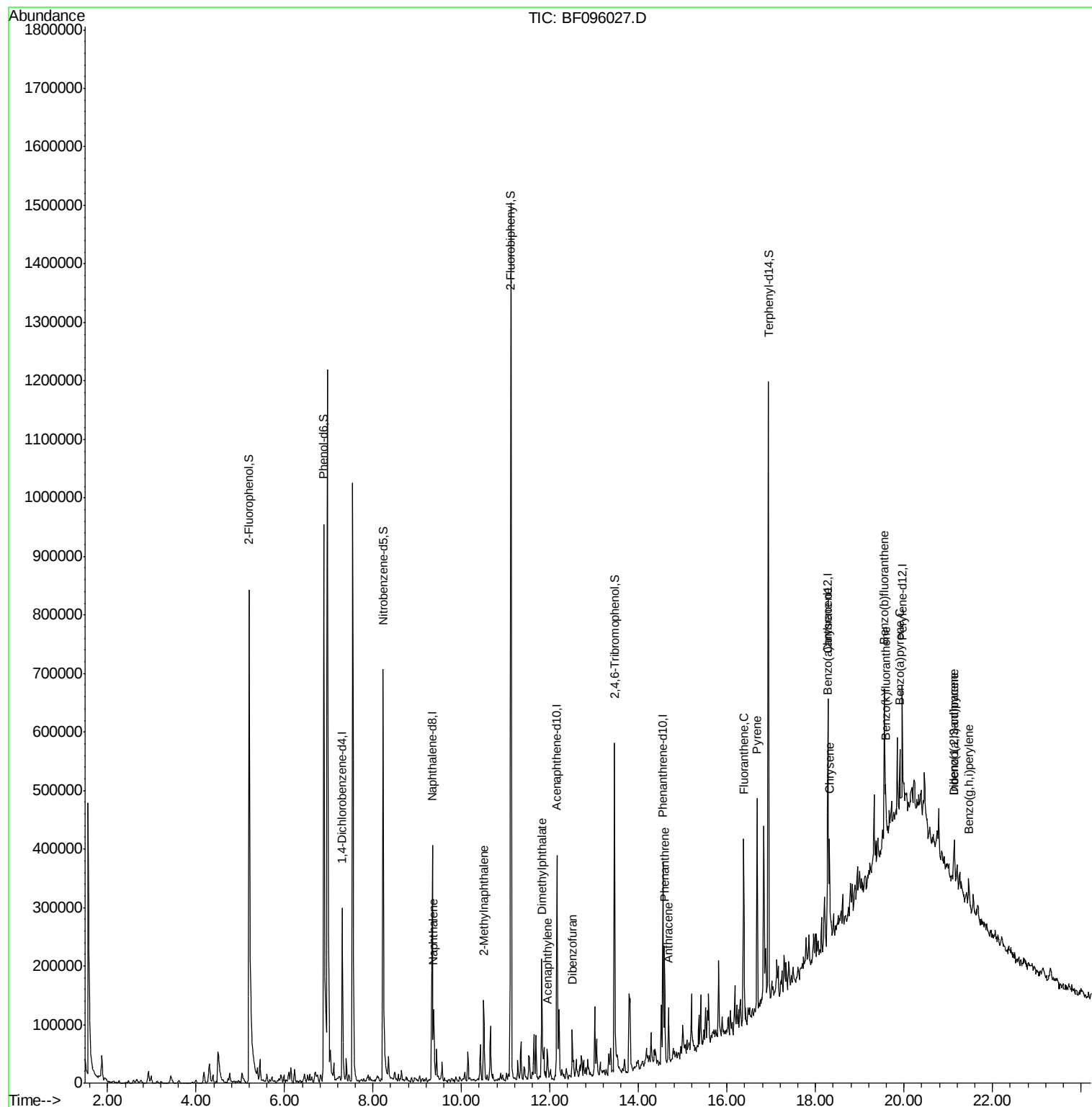
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
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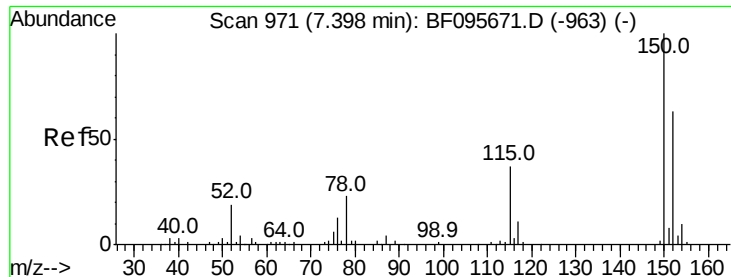
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#1

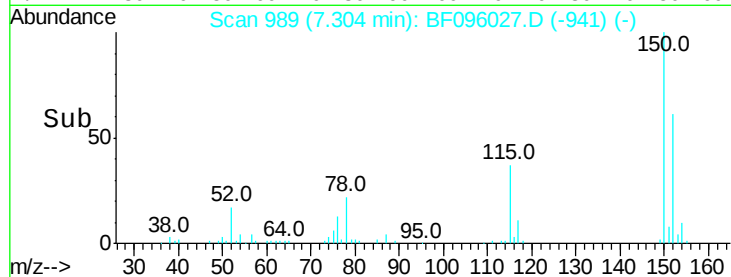
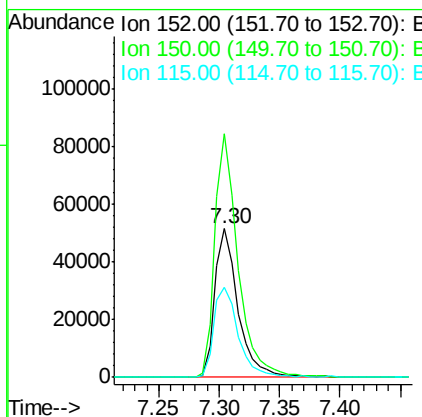
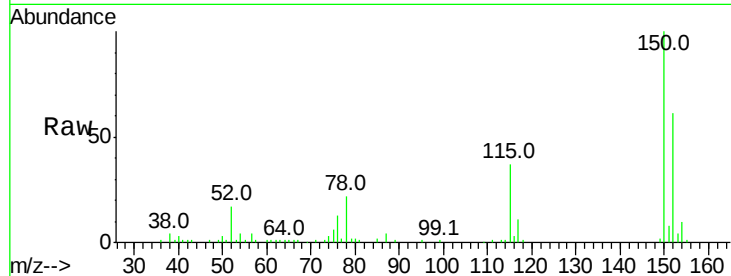
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampleId :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.2	126.2	189.2
115	60.8	52.2	78.2

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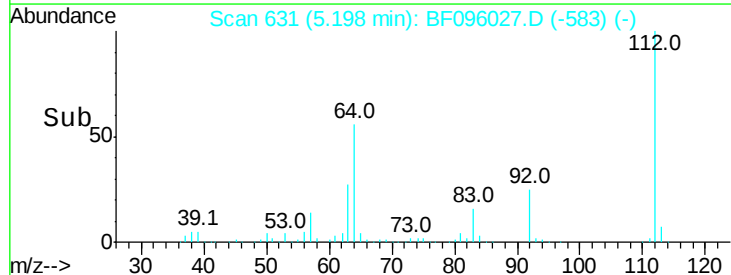
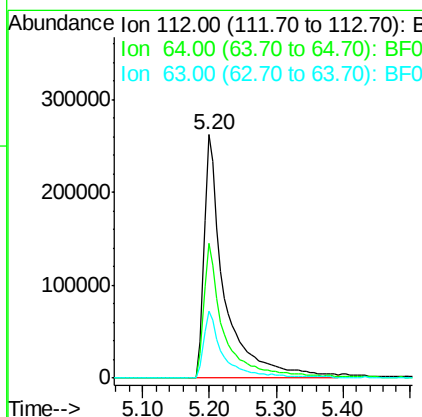
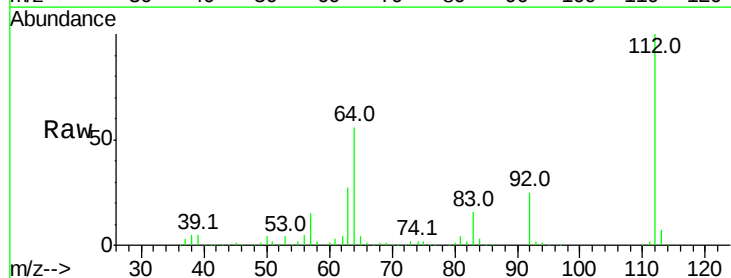
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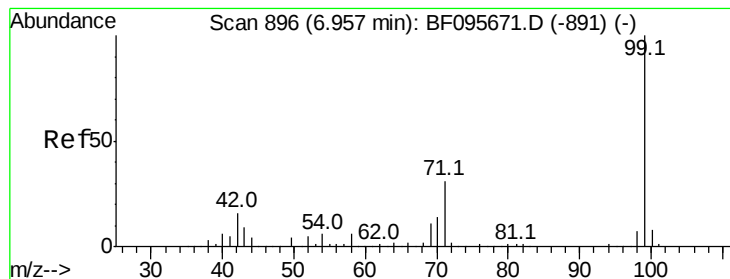


#5

2-Fluorophenol
Concen: 130.06 ng
RT: 5.20 min Scan# 631
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.0	69.0
63	27.3	23.4	35.0





#7

Phenol-d6

Concen: 129.54 ng

RT: 6.89 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF096027.D

Acq: 20 Jun 2017 4:40

Instrument :

BNA_F

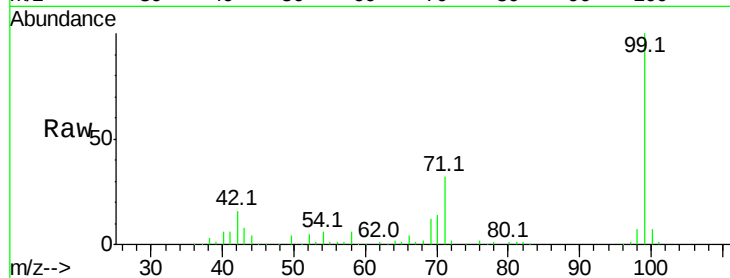
ClientSampled :

G15-1.5-3

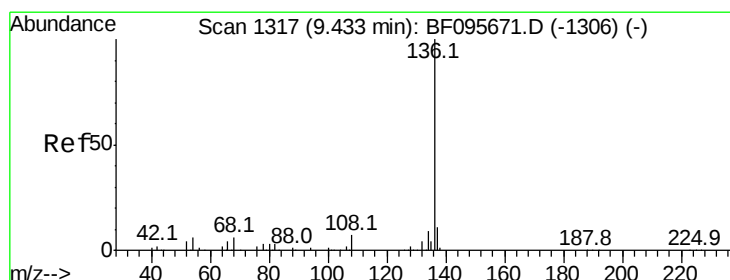
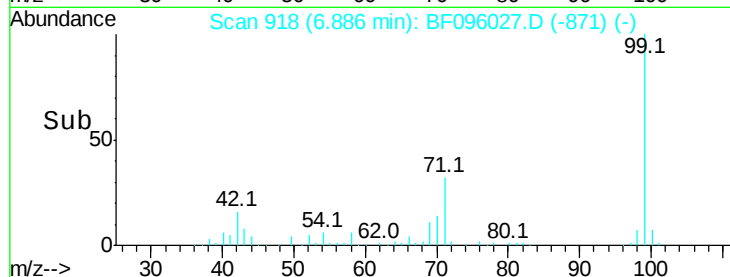
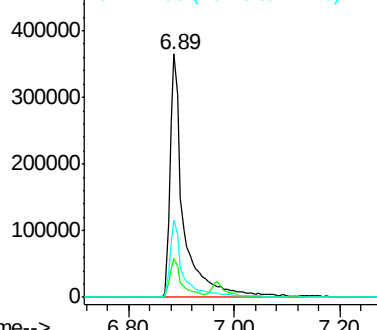
Tot Ion:	99	Resp:	663201
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	31.7	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.34 min Scan# 1335

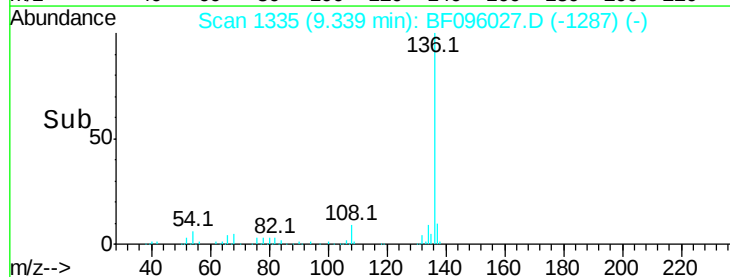
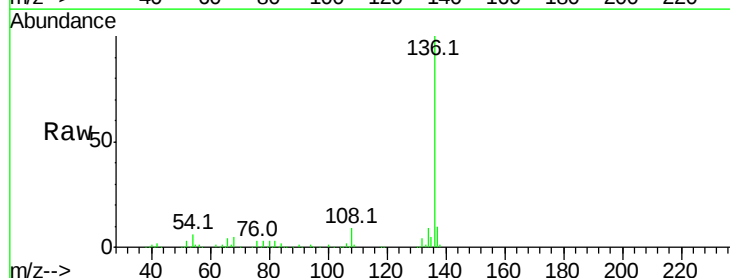
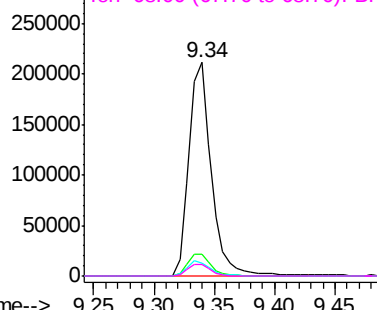
Delta R.T. -0.02 min

Lab File: BF096027.D

Acq: 20 Jun 2017 4:40

Tgt Ion:	136	Resp:	271451
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	6.3	4.9	7.3
68	5.3	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





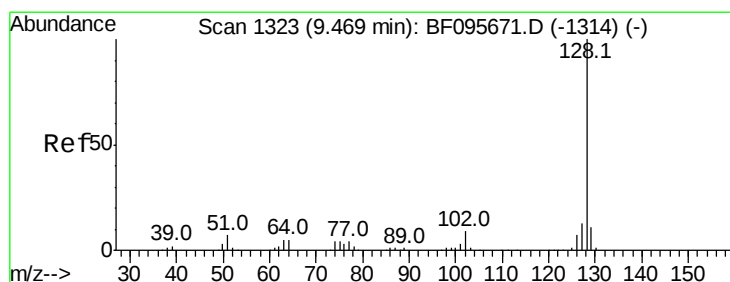
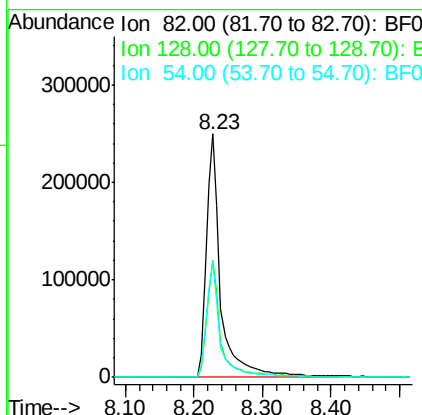
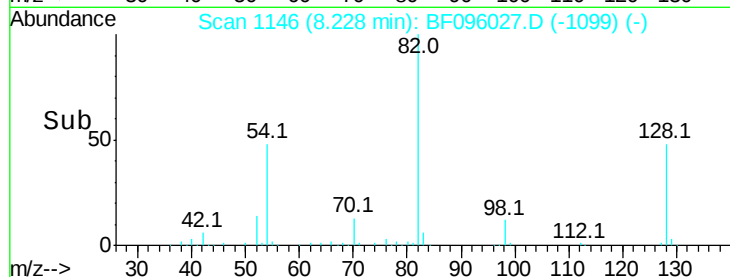
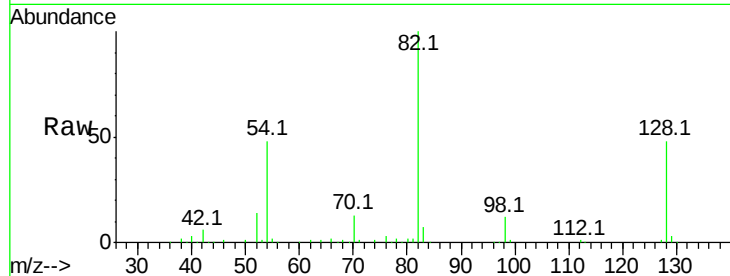
#23
 Nitrobenzene-d5
 Concen: 85.36 ng
 RT: 8.23 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF096027.D
 Acq: 20 Jun 2017 4:40

Instrument :
 BNA_F
 ClientSampleId :
 G15-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.1	34.0	51.0	
54	47.5	42.2	63.2	

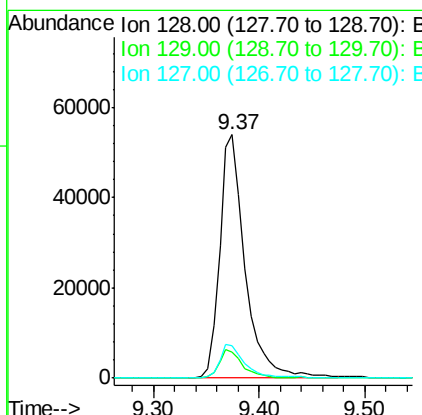
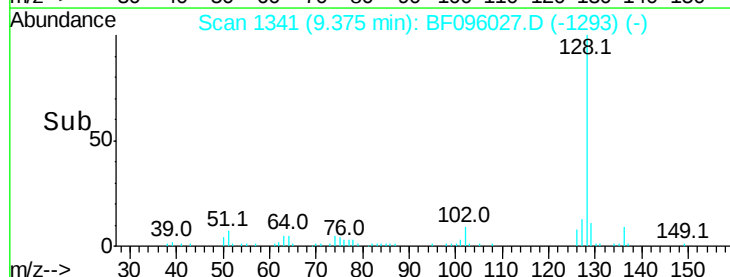
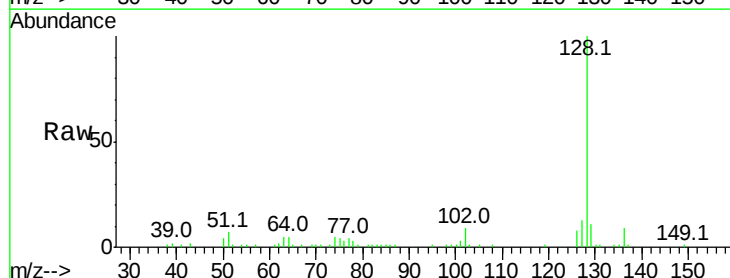
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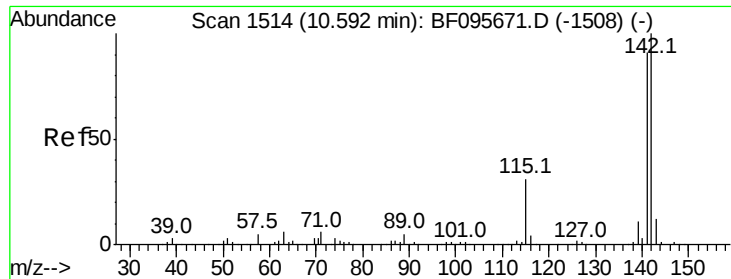
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#31
 Naphthalene
 Concen: 6.64 ng
 RT: 9.37 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: BF096027.D
 Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.8	9.0	13.6	
127	13.5	10.8	16.2	





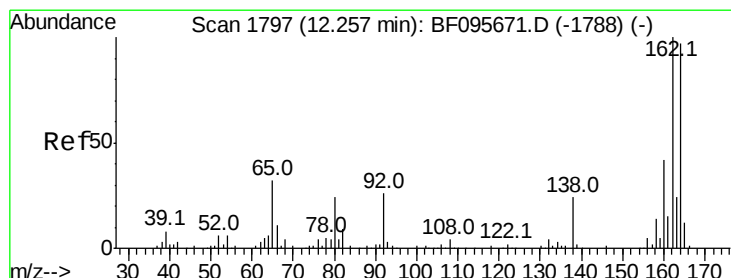
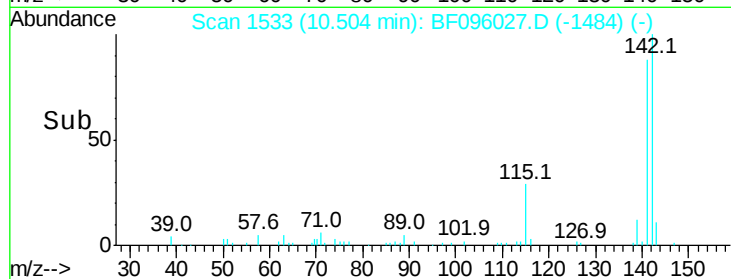
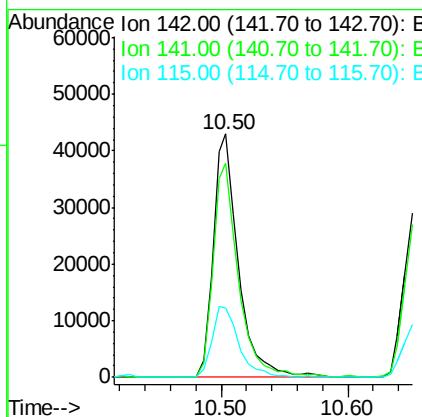
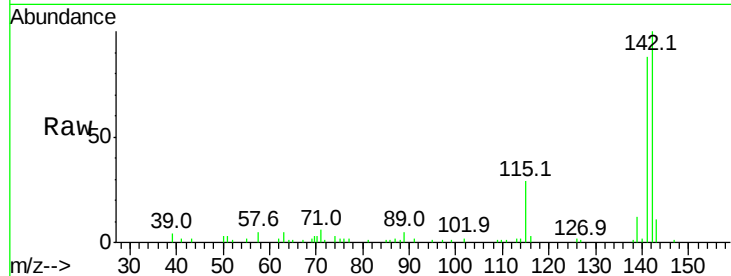
#37
2-Methylnaphthalene
Concen: 6.47 ng
RT: 10.50 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampleId :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	28.6	27.1	40.7

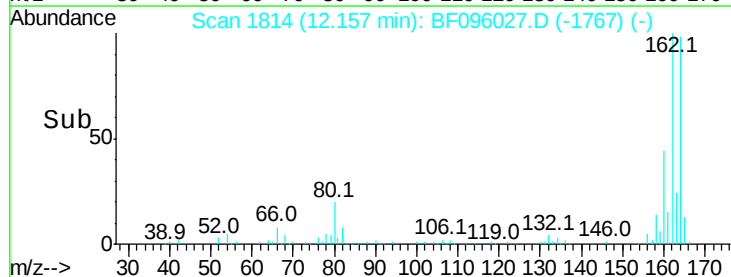
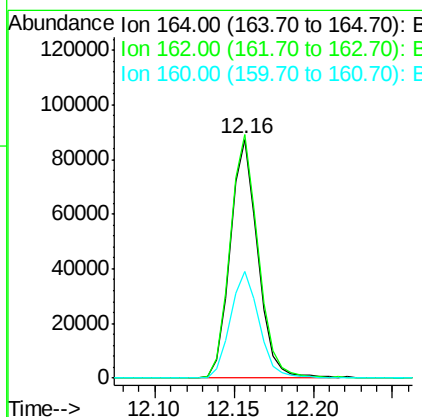
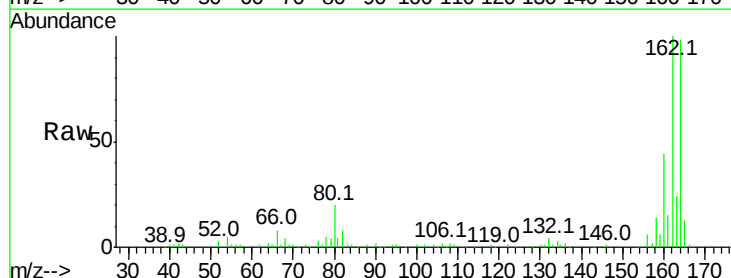
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.16 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	44.5	36.2	54.2





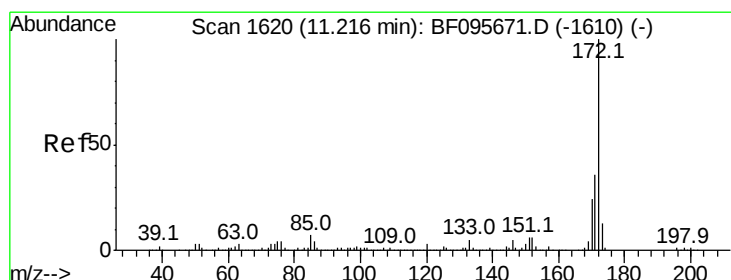
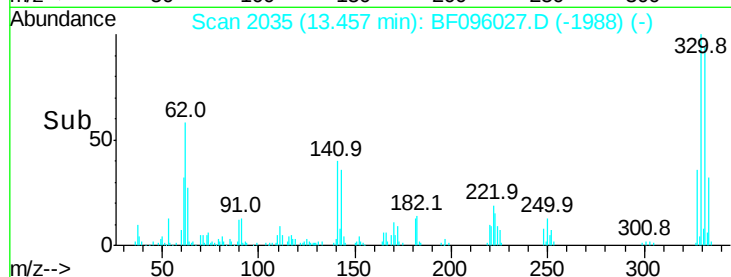
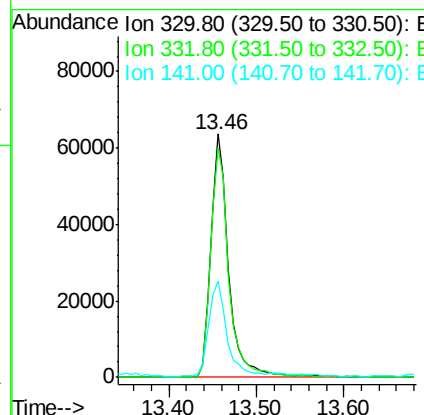
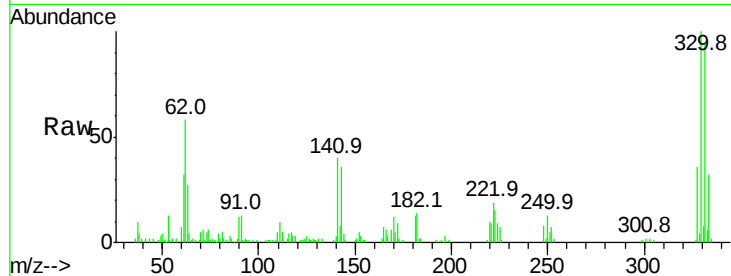
#41
 2,4,6-Tribromophenol
 Concen: 96.59 ng
 RT: 13.46 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF096027.D
 Acq: 20 Jun 2017 4:40

Instrument :
 BNA_F
 ClientSampleId :
 G15-1.5-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	41.7	31.4	47.2

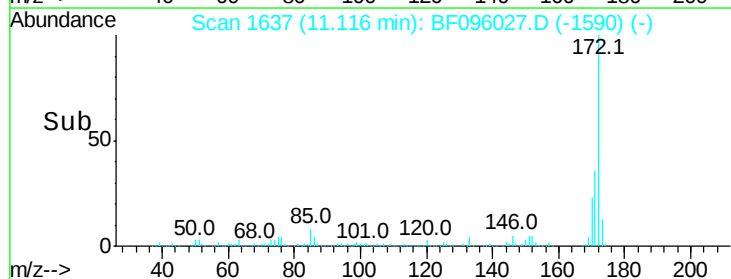
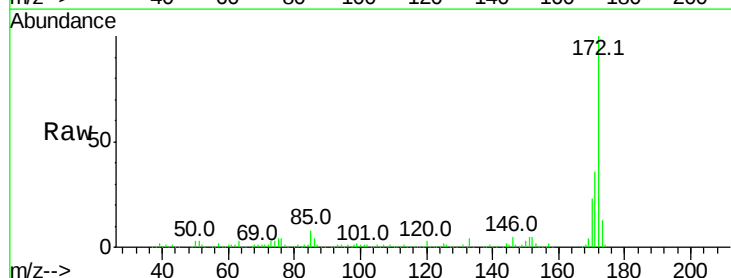
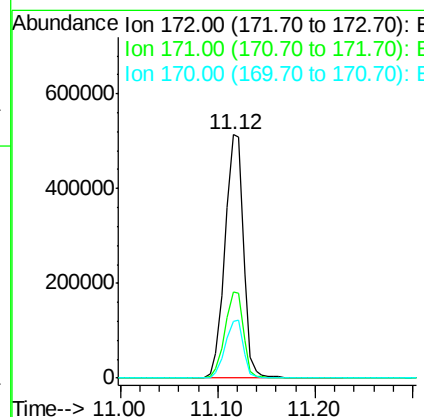
Manual Integrations
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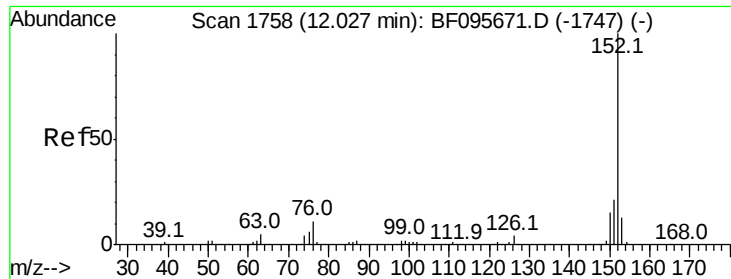
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#44
 2-Fluorobiphenyl
 Concen: 89.85 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096027.D
 Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.3	19.8	29.8





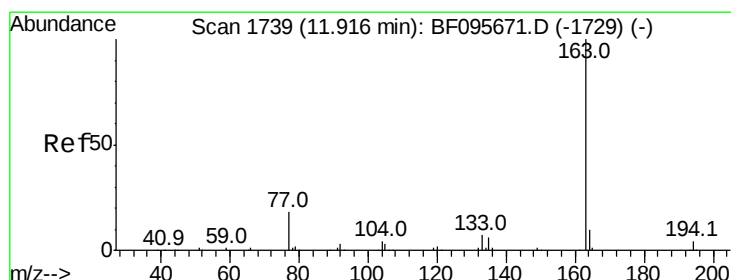
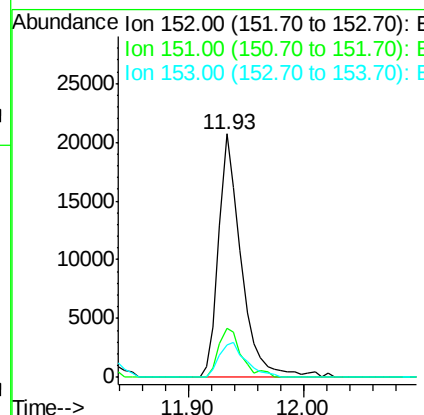
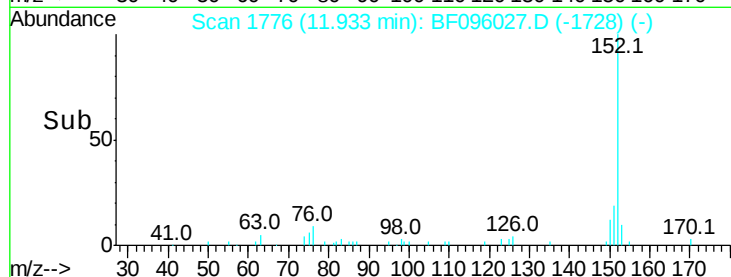
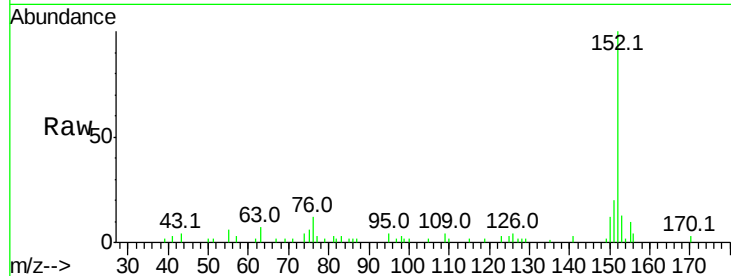
#48
Acenaphthylene
Concen: 2.45 ng
RT: 11.93 min Scan# 1776
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampled :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.5	10.8	16.2

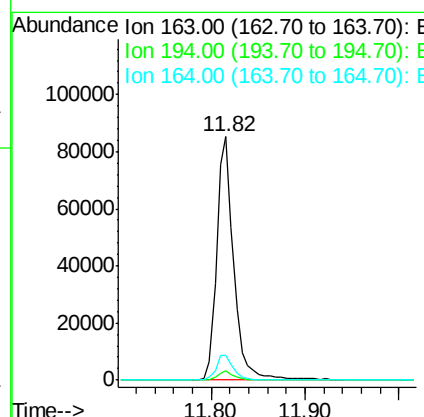
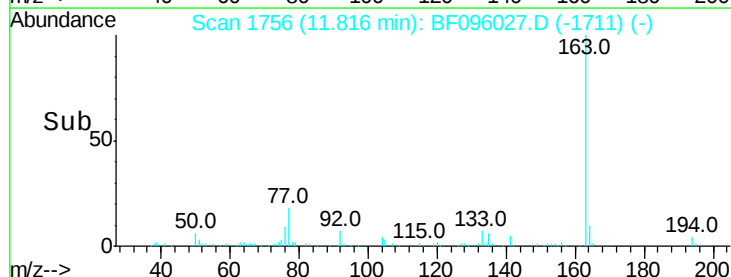
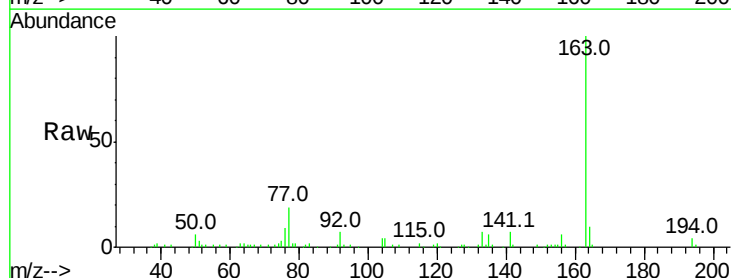
Manual Integrations
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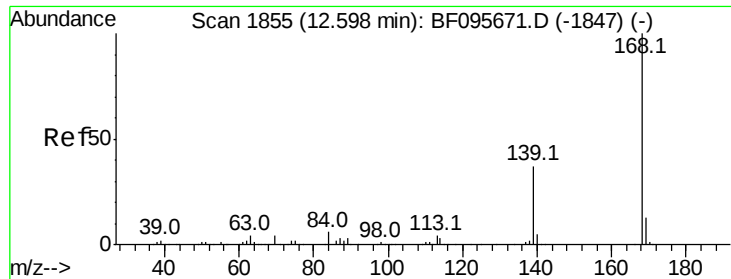
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#49
Dimethylphthalate
Concen: 13.67 ng
RT: 11.82 min Scan# 1756
Delta R.T. -0.04 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.2	8.4	12.6





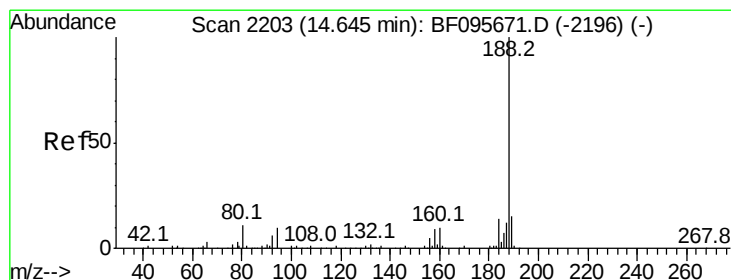
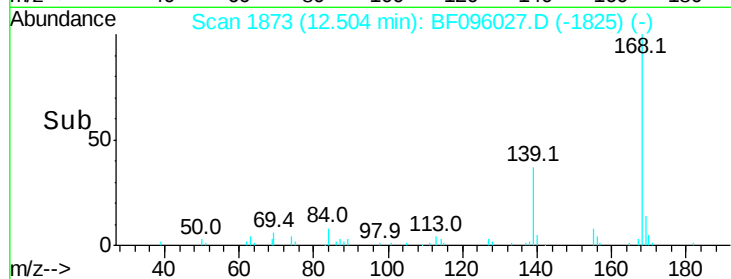
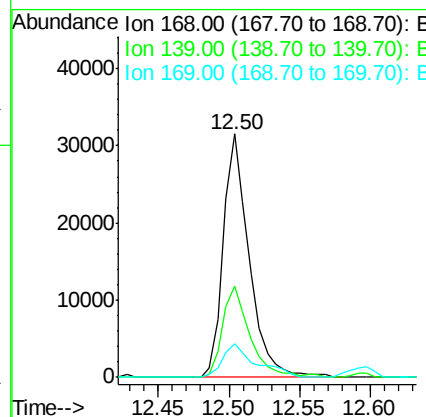
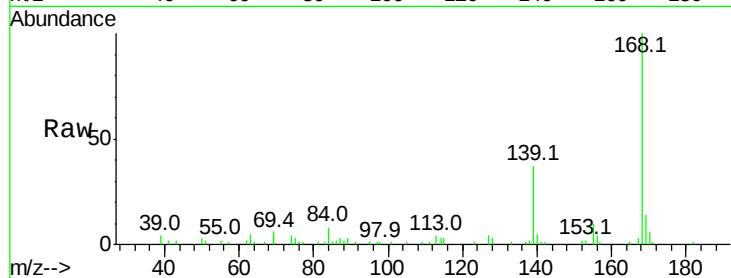
#54
Dibenzenofuran
Concen: 4.27 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampleId :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.6	45.8
169	14.1	10.8	16.2

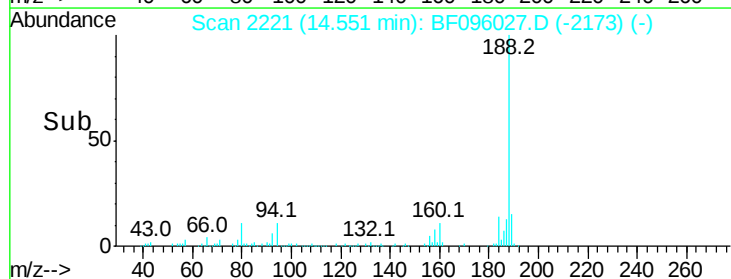
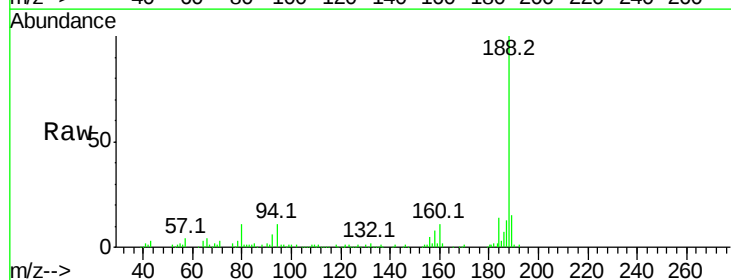
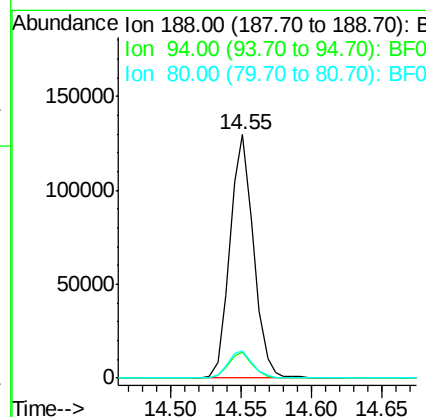
Manual Integrations
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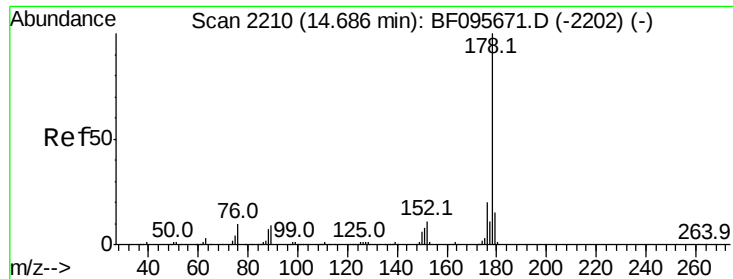
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	11.3	10.2	15.2





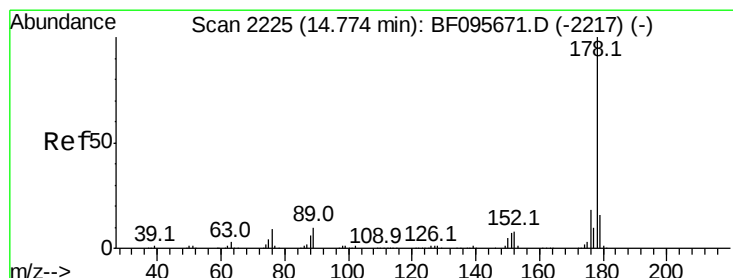
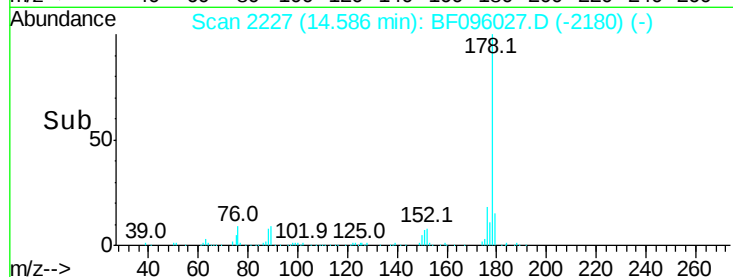
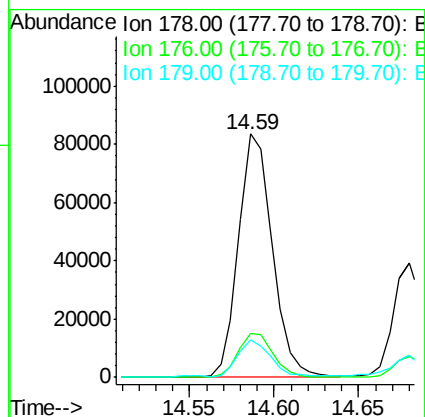
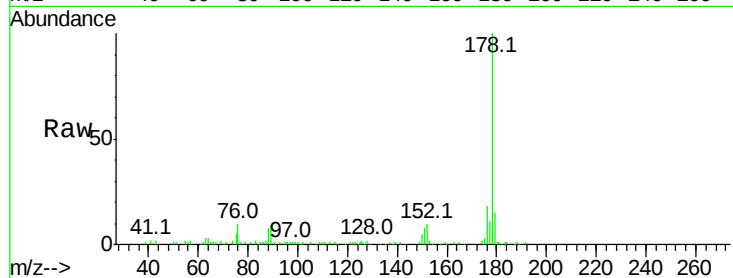
#70
Phenanthrene
Concen: 13.54 ng
RT: 14.59 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampleId :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.2	24.4
179	15.4	12.6	19.0

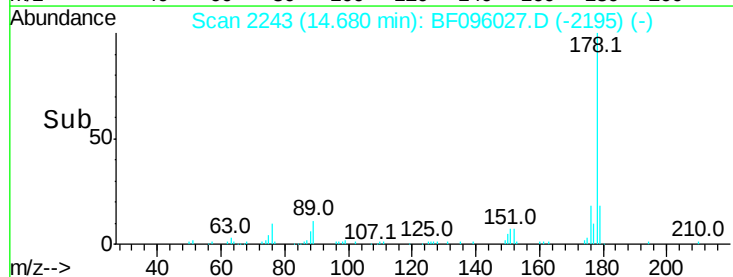
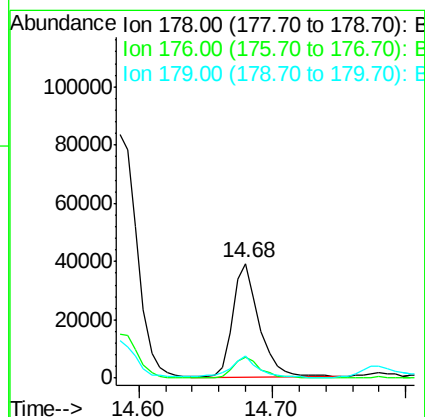
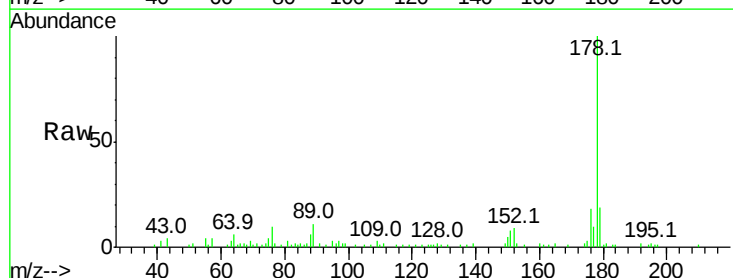
Manual Integrations
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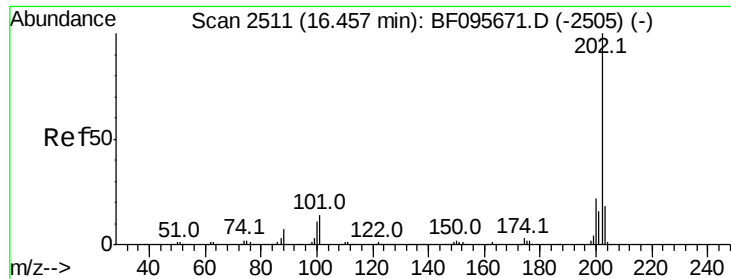
mohammad
6/20/2017 4:29:36 PM



#71
Anthracene
Concen: 5.95 ng
RT: 14.68 min Scan# 2243
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	19.1	12.7	19.1





#74

Fluoranthene

Concen: 19.39 ng

RT: 16.37 min Scan# 2531

Delta R.T. -0.02 min

Lab File: BF096027.D

Acq: 20 Jun 2017 4:40

Instrument :

BNA_F

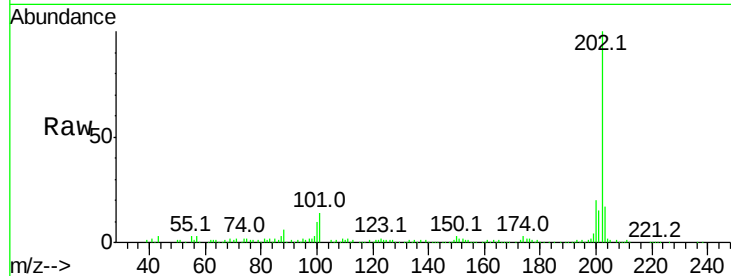
ClientSampleId :

G15-1.5-3

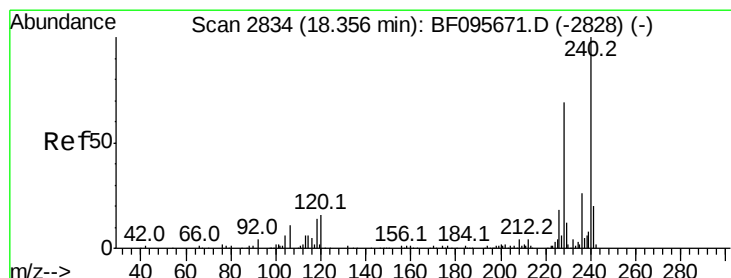
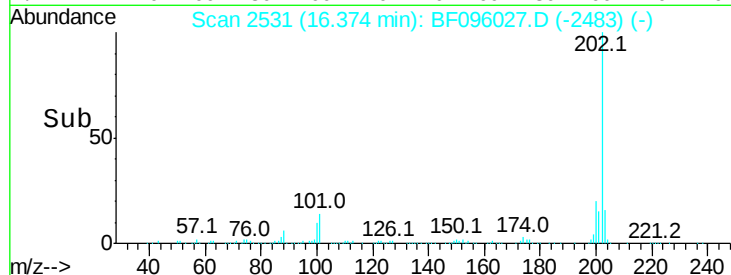
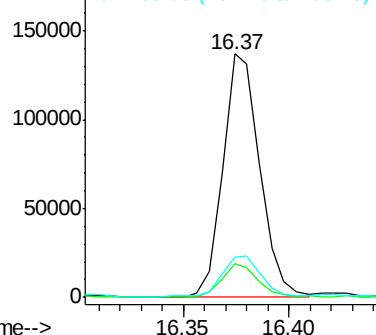
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		166458		
101	13.9	0.0	33.2		
203	16.7	0.0	38.1		

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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

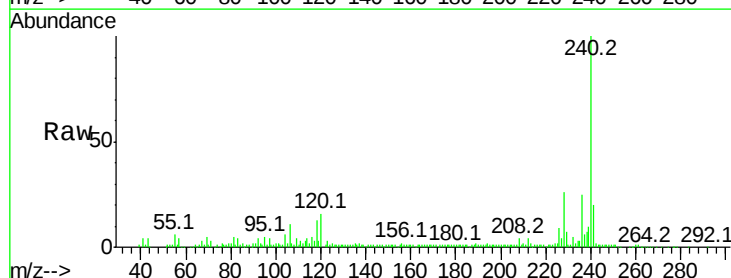
RT: 18.28 min Scan# 2855

Delta R.T. -0.02 min

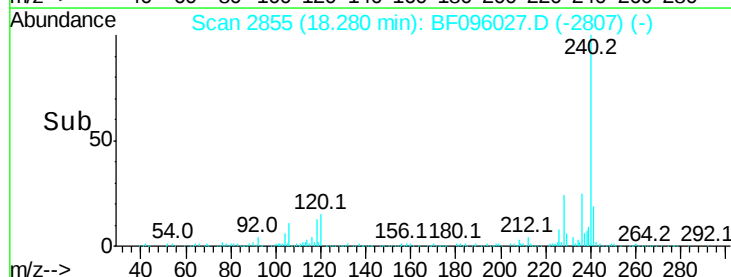
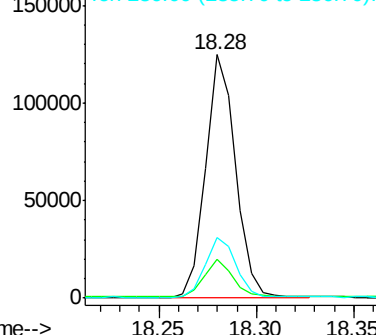
Lab File: BF096027.D

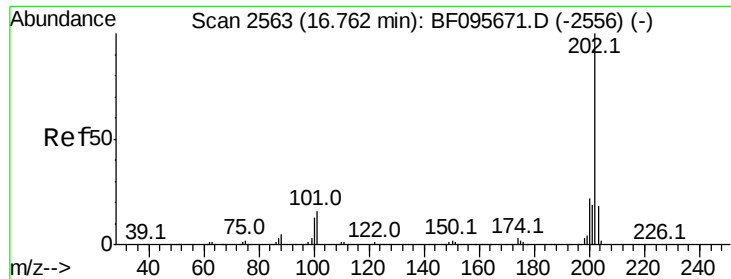
Acq: 20 Jun 2017 4:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		131593		
120	15.9	5.8	8.8#		
236	25.0	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





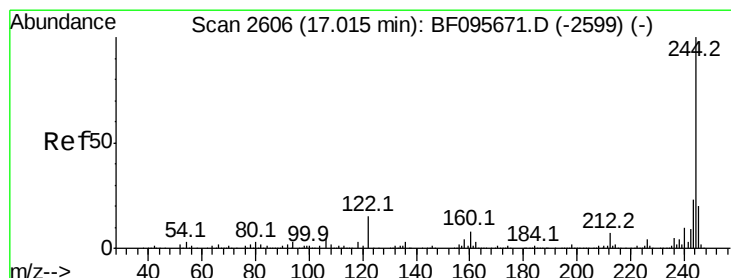
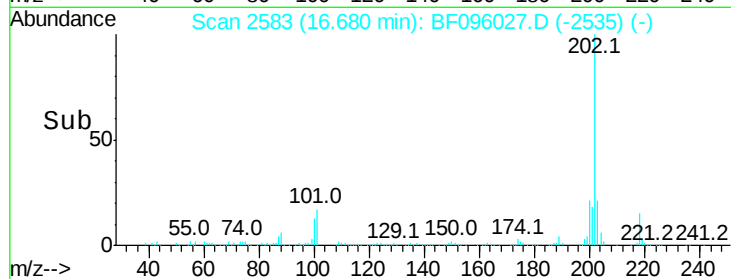
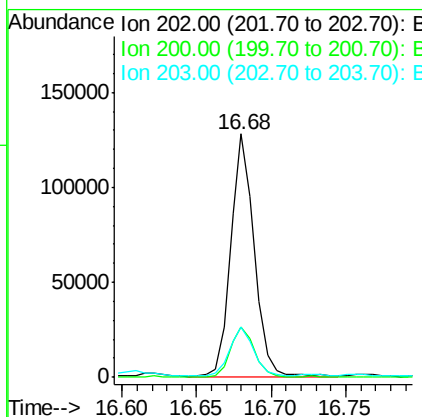
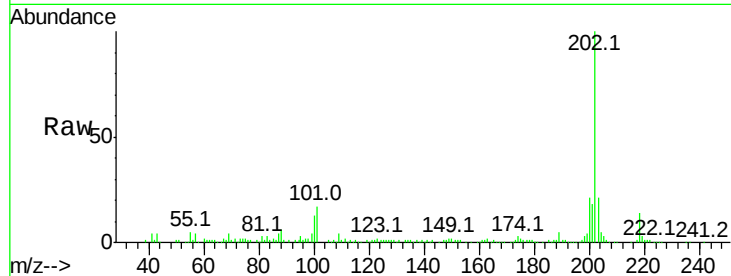
#77
Pvrene
Concen: 14.34 ng
RT: 16.68 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampleId :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	20.7	14.4	21.6

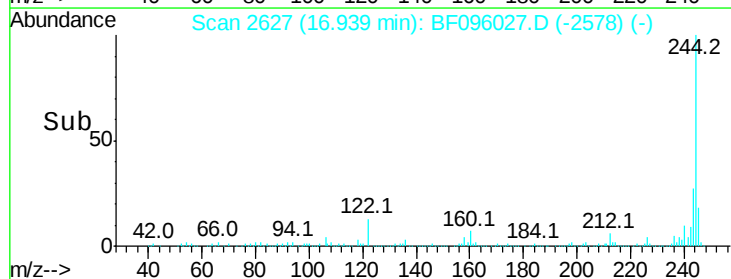
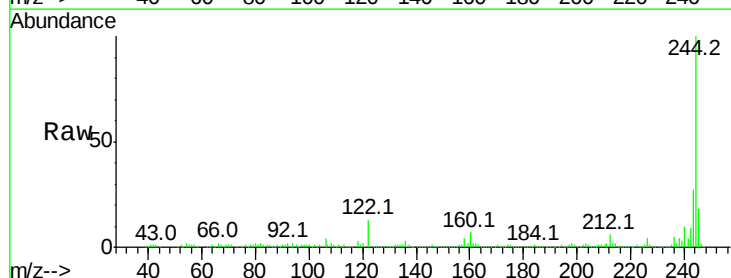
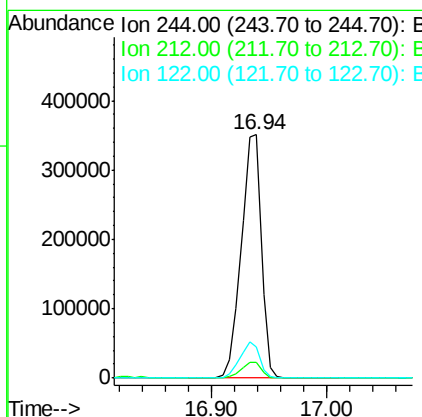
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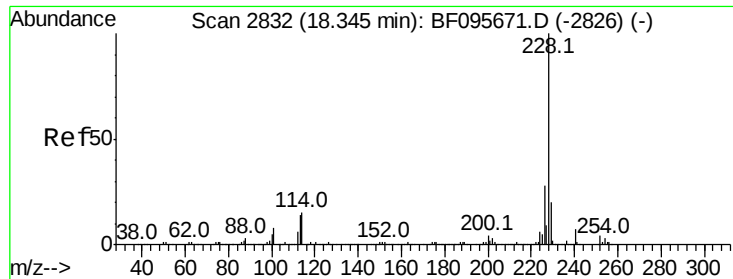
mohammad
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#78
Terphenyl-d14
Concen: 79.91 ng
RT: 16.94 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	12.9	10.3	15.5





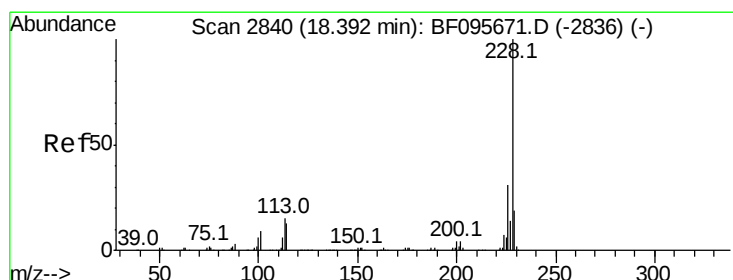
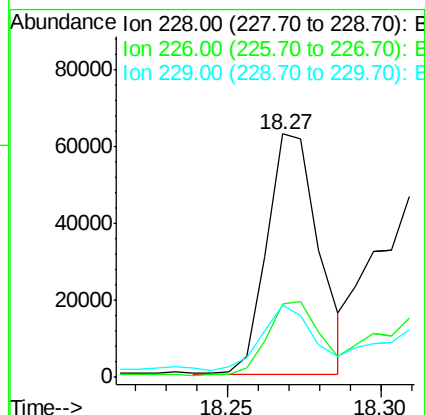
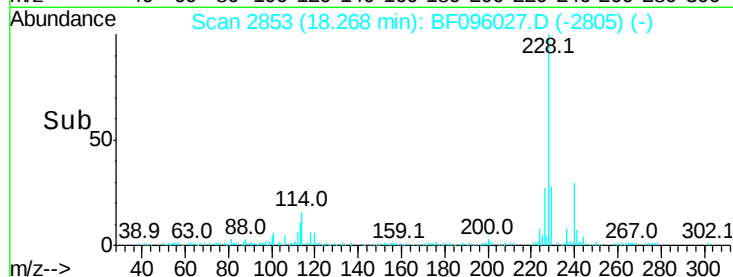
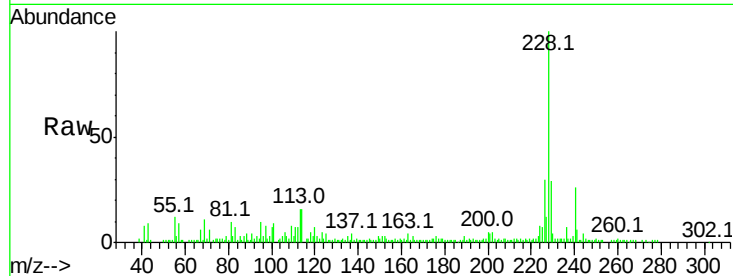
#80
Benzo(a)anthracene
Concen: 9.65 ng m
RT: 18.27 min Scan# 2853
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampleId :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	29.5	16.3	24.5

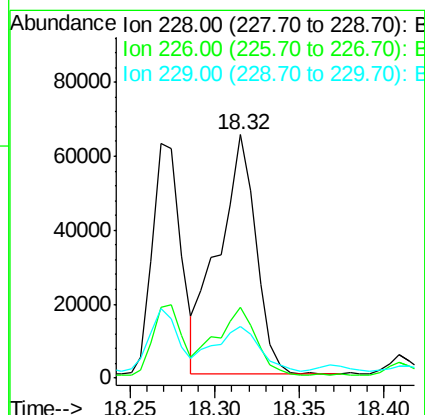
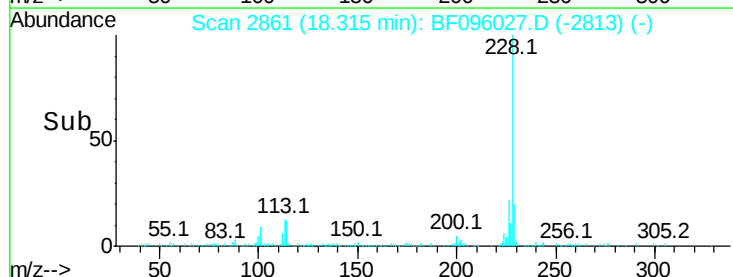
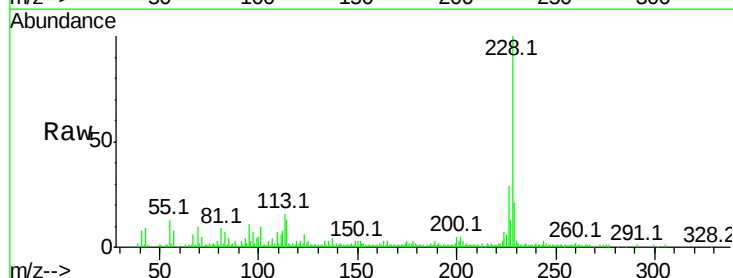
Manual Integrations
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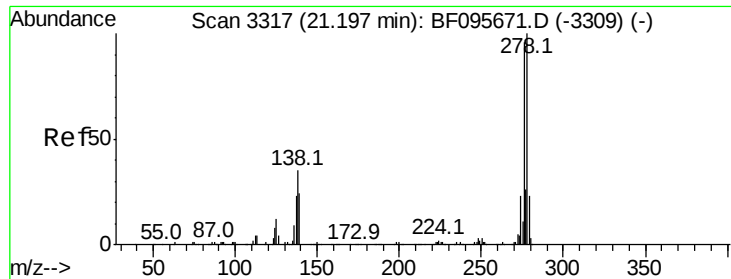
mohammad
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#82
Chrysene
Concen: 13.07 ng
RT: 18.32 min Scan# 2861
Delta R.T. -0.02 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	21.1	15.8	23.6





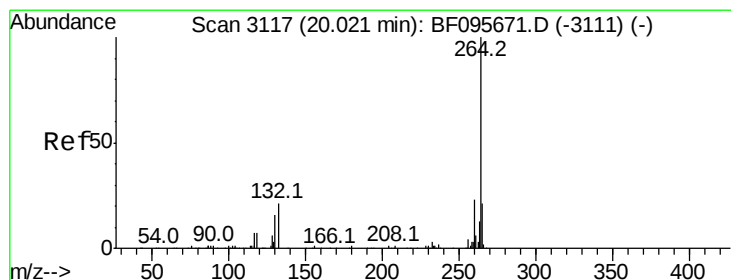
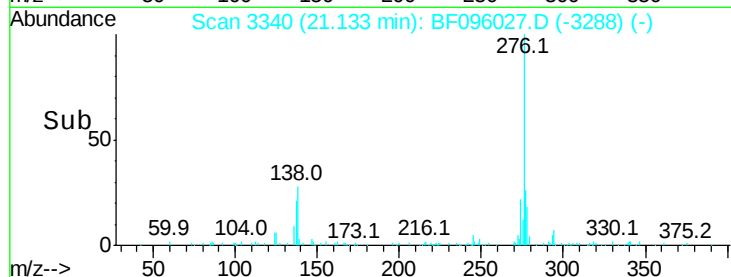
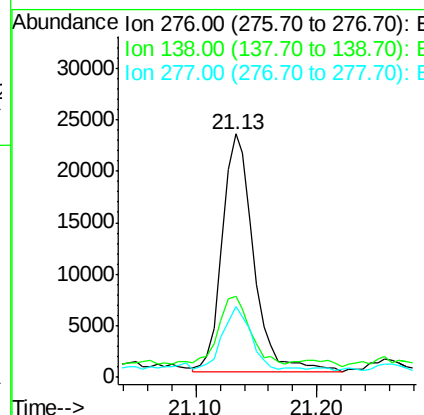
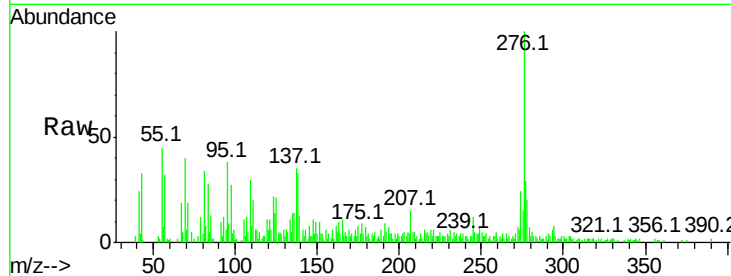
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.33 ng
RT: 21.13 min Scan# 3340
Delta R.T. 0.01 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampleId :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.4	27.8	41.6
277	23.2	20.2	30.4

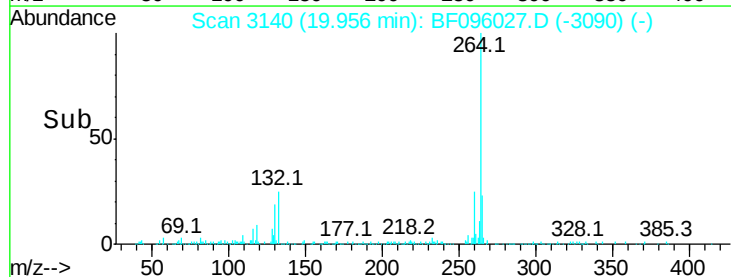
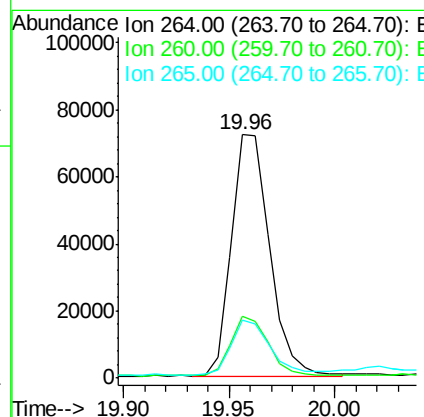
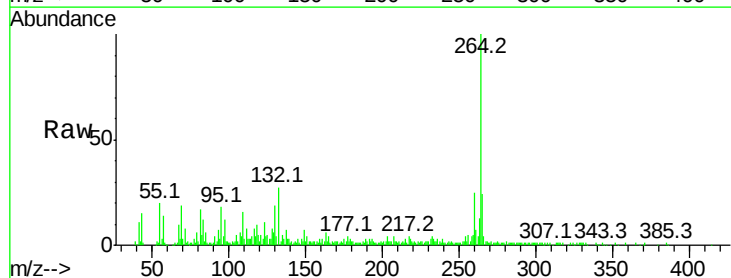
Manual Integrations
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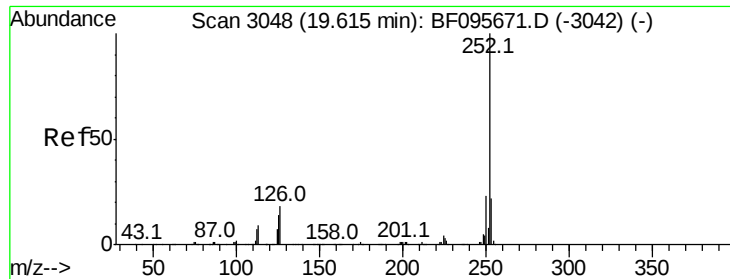
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	23.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 21.33 ng m

RT: 19.56 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BF096027.D

Acq: 20 Jun 2017 4:40

Instrument :

BNA_F

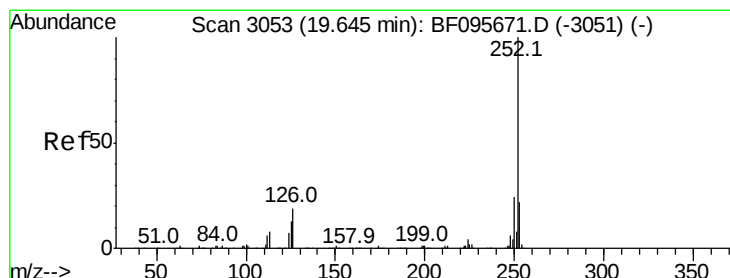
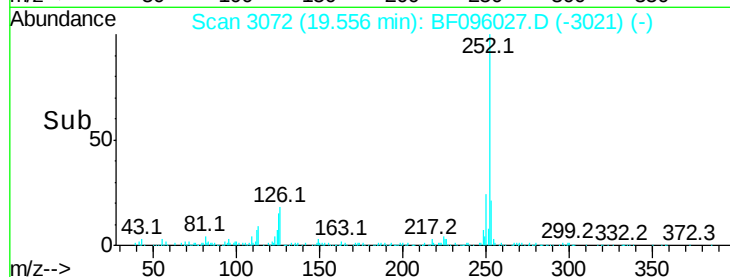
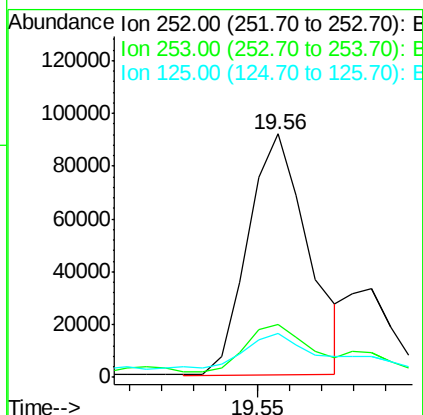
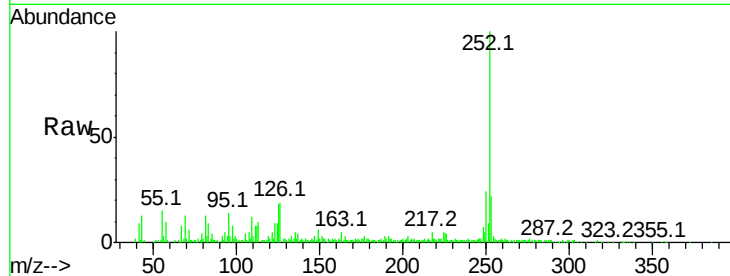
ClientSampleId :

G15-1.5-3

Tot Ion:	252	Resp:	119956
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.1	27.1
125	17.9	9.8	14.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.32 ng m

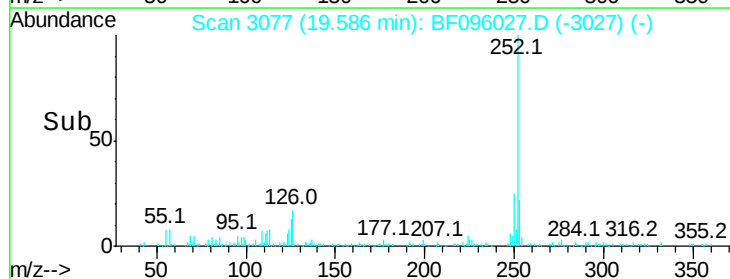
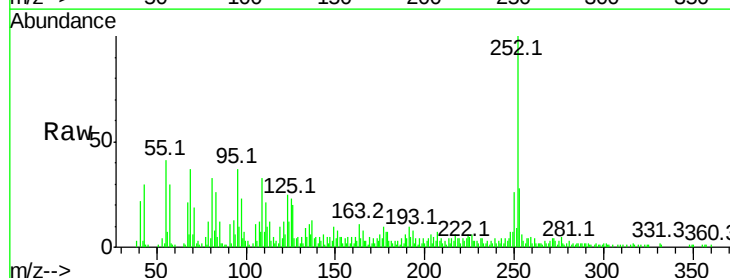
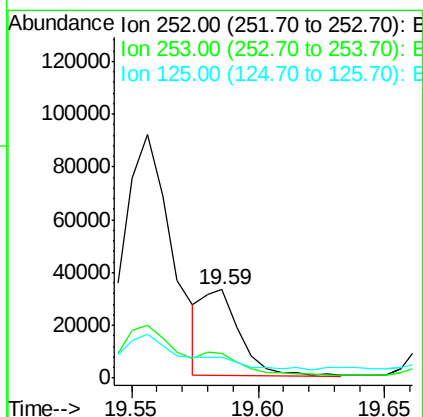
RT: 19.59 min Scan# 3077

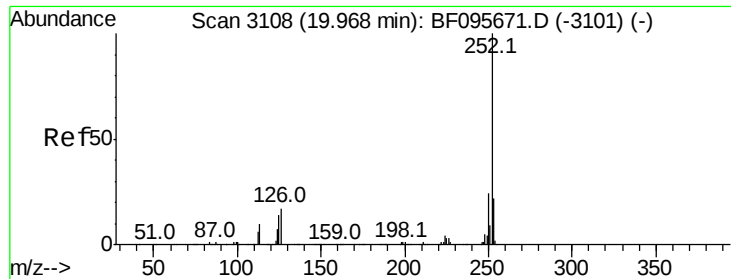
Delta R.T. -0.01 min

Lab File: BF096027.D

Acq: 20 Jun 2017 4:40

Tgt Ion:	252	Resp:	33975
Ion Ratio	Lower	Upper	
252	100		
253	28.2	18.4	27.6#
125	23.1	13.1	19.7#





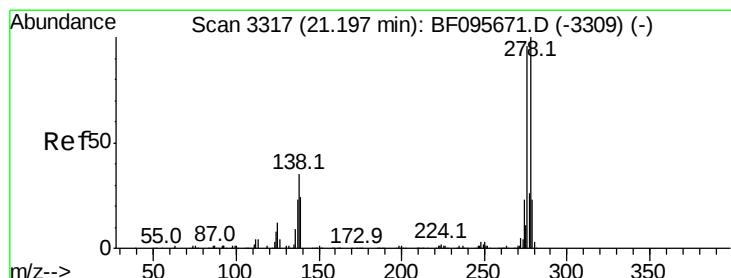
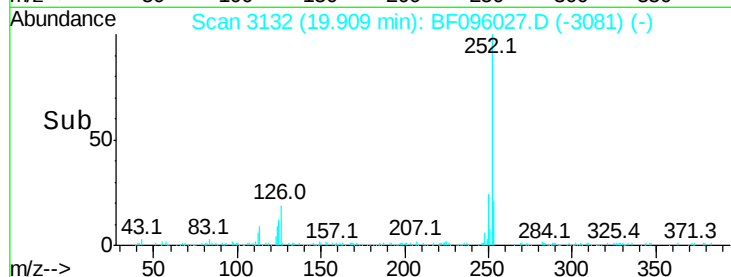
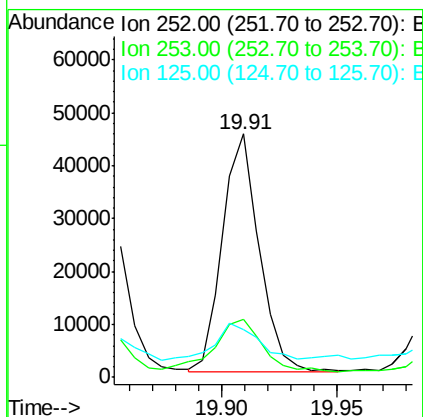
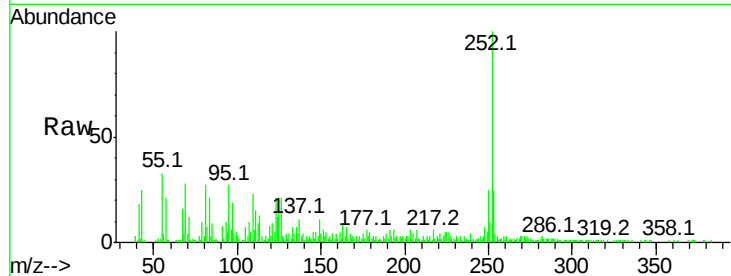
#89
Benzo(a)pyrene
Concen: 9.67 ng
RT: 19.91 min Scan# 3132
Delta R.T. 0.00 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Instrument :
BNA_F
ClientSampleId :
G15-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	19.9	11.0	16.4

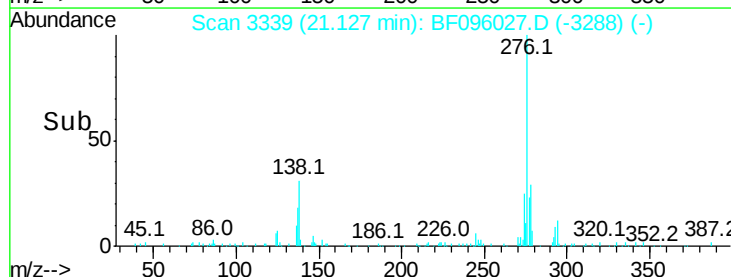
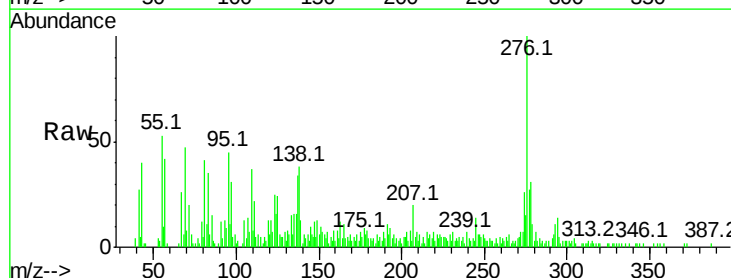
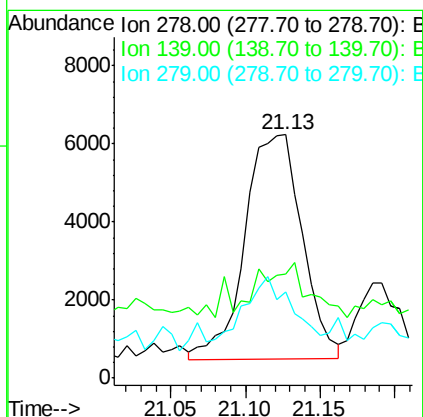
Manual Integrations
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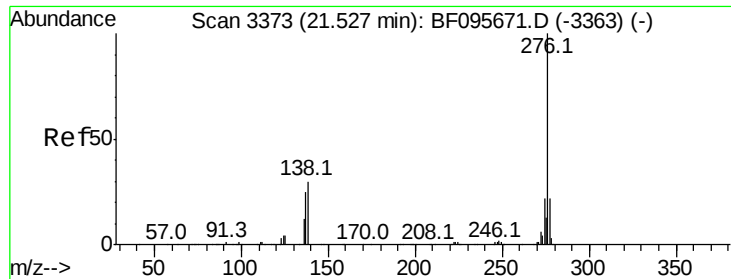
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 3.50 ng
RT: 21.13 min Scan# 3339
Delta R.T. 0.00 min
Lab File: BF096027.D
Acq: 20 Jun 2017 4:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	43.0	16.6	24.8
279	35.6	19.3	28.9





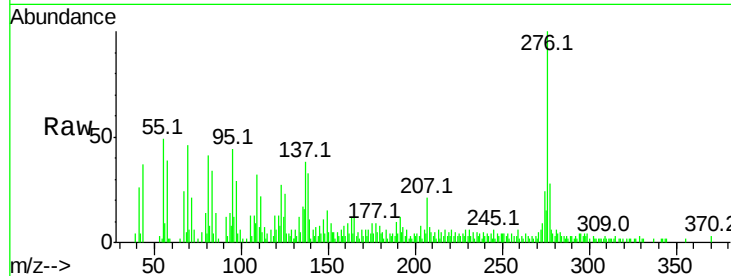
#91
 Benzo(a,h,i)perylene
 Concen: 8.19 ng
 RT: 21.46 min Scan# 3396
 Delta R.T. 0.02 min
 Lab File: BF096027.D
 Acq: 20 Jun 2017 4:40

Instrument :
 BNA_F
 ClientSampleId :
 G15-1.5-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.4	18.6	28.0#
138	33.0	25.4	38.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

