

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102017\
 Data File : BG029389.D
 Acq On : 21 Oct 2017 13:24
 Operator : SJ/JU
 Sample : I5981-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-01-101817-A

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:41:15 PM

Quant Time: Oct 21 23:05:43 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	54479	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	234259	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	161166	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	442758	20.00	ng	0.00
75) Chrysene-d12	21.79	240	503587	20.00	ng	-0.02
86) Perylene-d12	25.09	264	511901	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	416793	127.81	ng	0.00
7) Phenol-d6	7.31	99	496169	108.39	ng	0.00
23) Nitrobenzene-d5	9.33	82	351619	95.38	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	353130	169.71	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	961123	87.46	ng	0.00
78) Terphenyl-d14	20.11	244	1910335	86.30	ng	0.00
Target Compounds						
31) Naphthalene	11.03	128	939559	80.476	ng	98
37) 2-Methylnaphthalene	12.63	142	67690	7.955	ng	95
51) Acenaphthene	14.84	154	32076	3.117	ng	95
54) Dibenzofuran	15.18	168	64601	4.398	ng	98
57) Fluorene	15.82	166	36225	2.985	ng	97
70) Phenanthrene	17.56	178	60556	2.647	ng	96

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

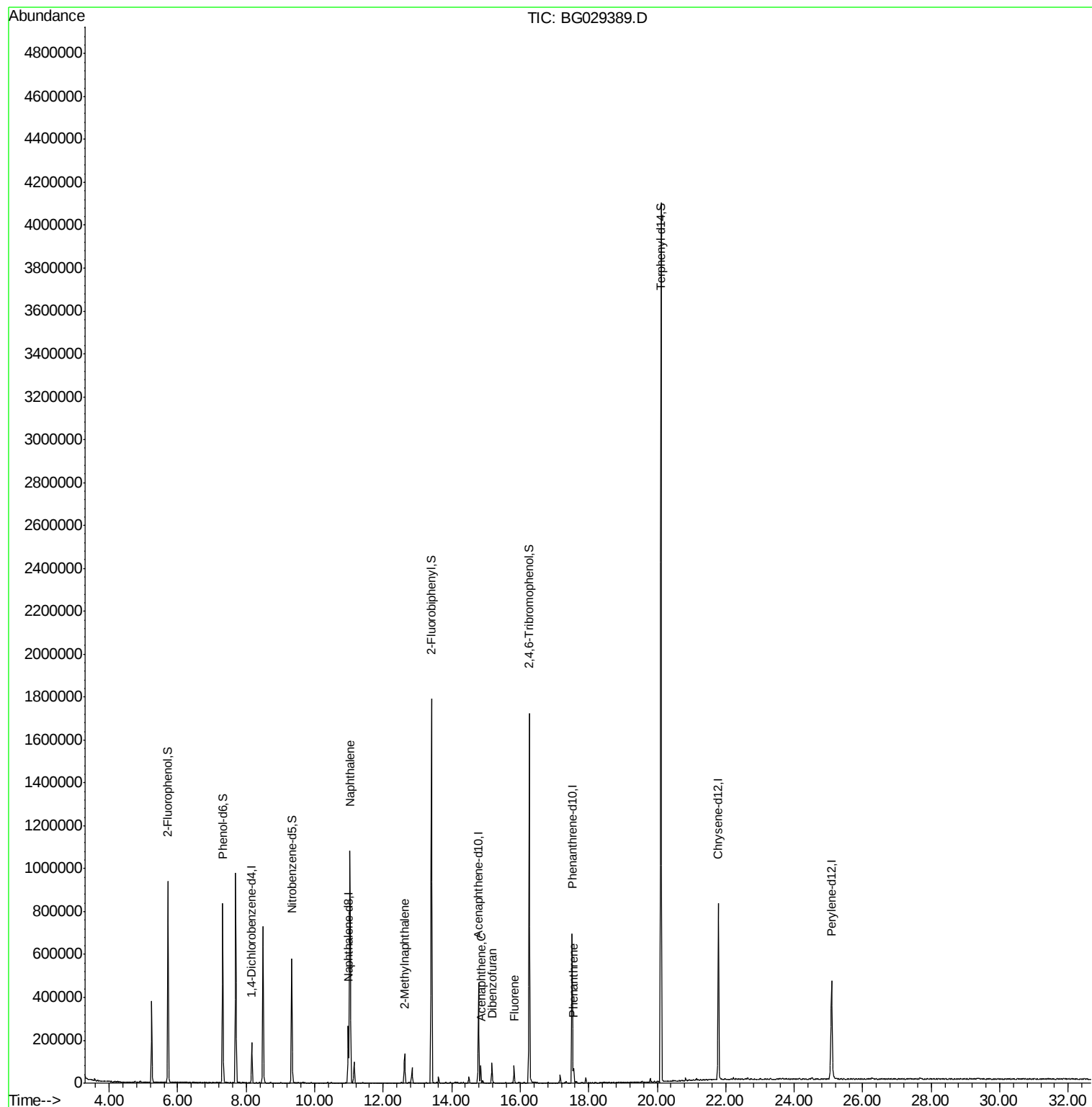
Data Path : Z:\HPCHEM1\BNA G\DATA\BG102017\
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ALS Vial : 5 Sample Multiplier: 1

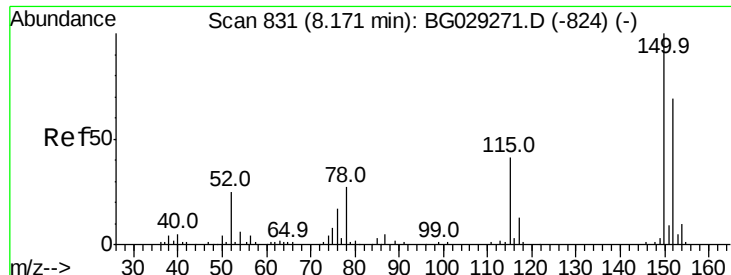
Instrument :
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ClientSampleId :
NB-01-101817-A

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Quant Time: Oct 21 23:05:43 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

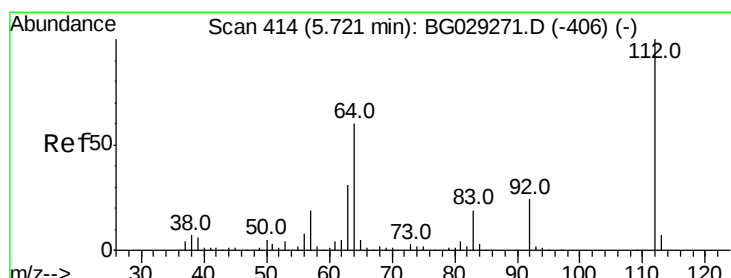
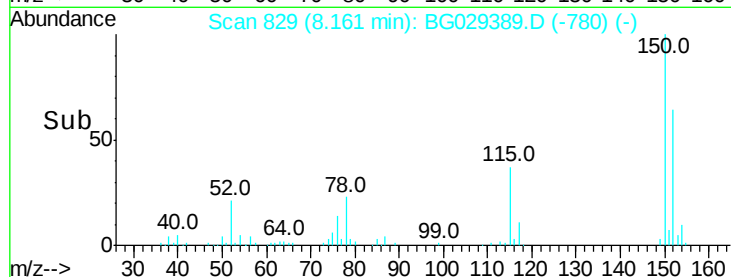
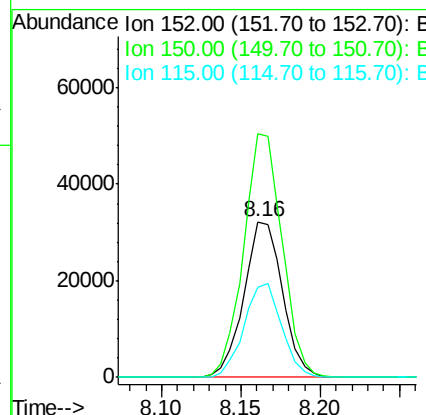
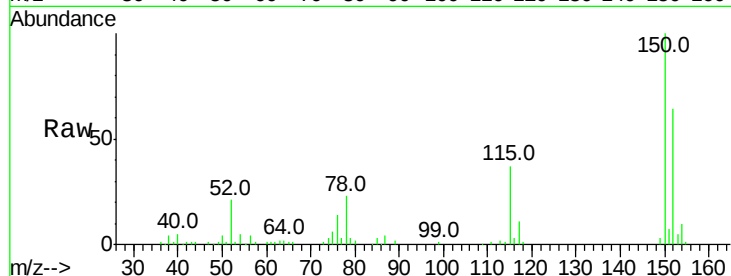
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 829
Delta R.T. -0.01 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

Instrument :
BNA_G
ClientSampleId :
NB-01-101817-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.6	189.8
115	57.5	53.0	79.4

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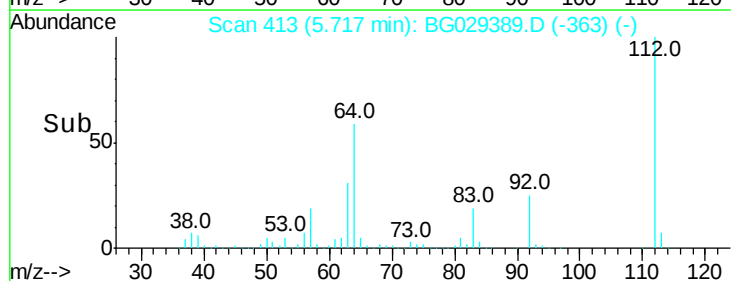
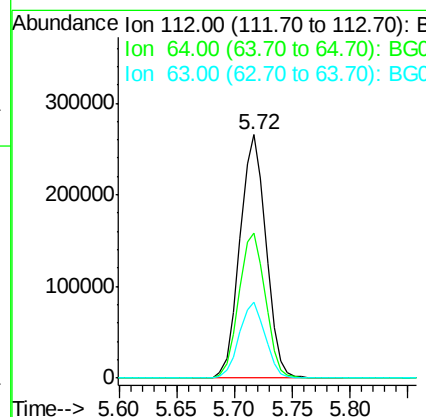
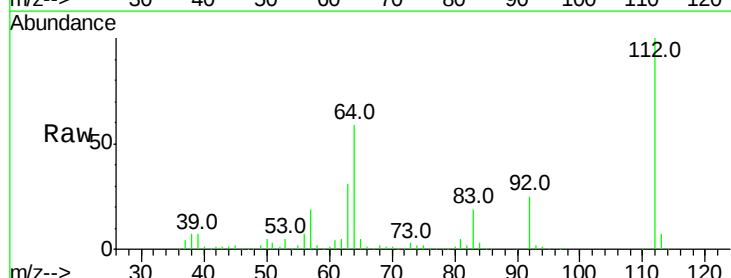
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#5

2-Fluorophenol
Concen: 127.806 ng
RT: 5.72 min Scan# 413
Delta R.T. -0.00 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	56.3	84.5
63	31.1	30.1	45.1





#7

Phenol-d6

Concen: 108.393 ng

RT: 7.31 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

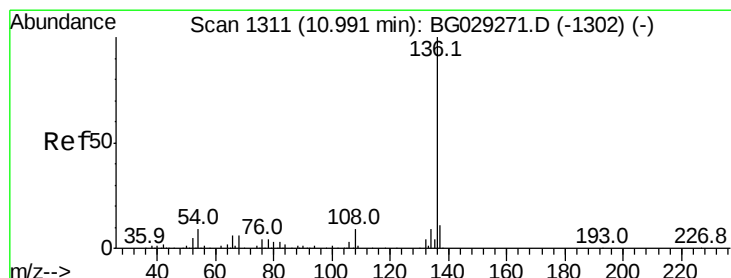
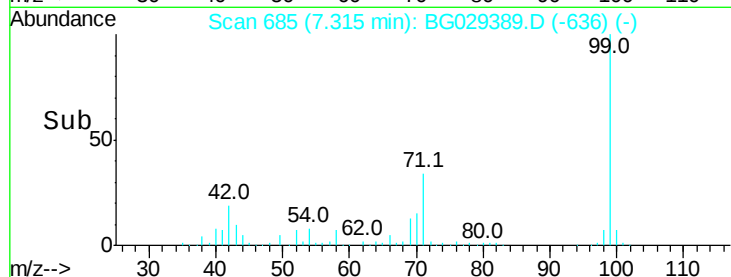
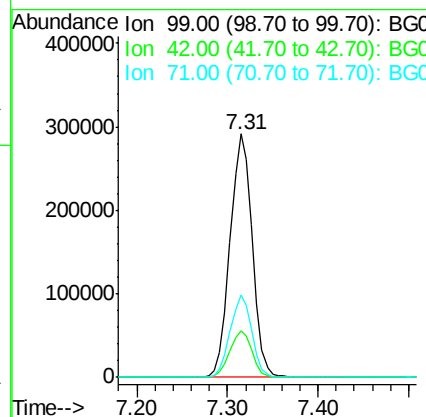
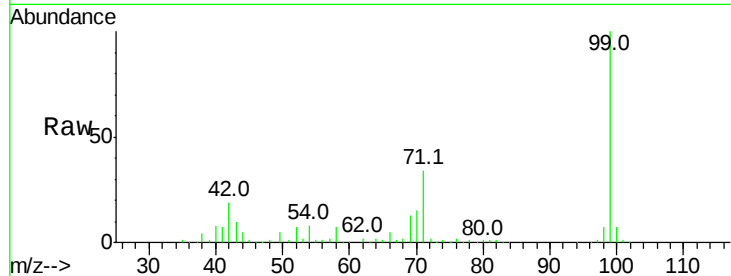
ClientSampleId :

NB-01-101817-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		496169		
42	19.1	14.1	21.1		
71	33.6	26.1	39.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

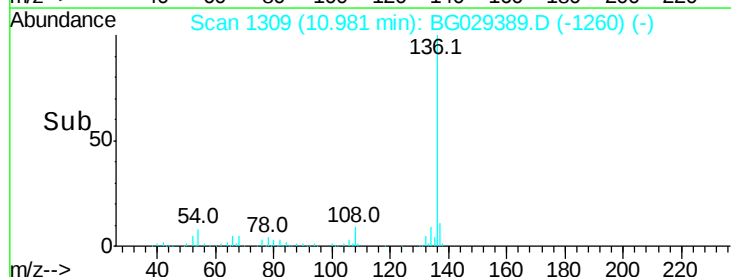
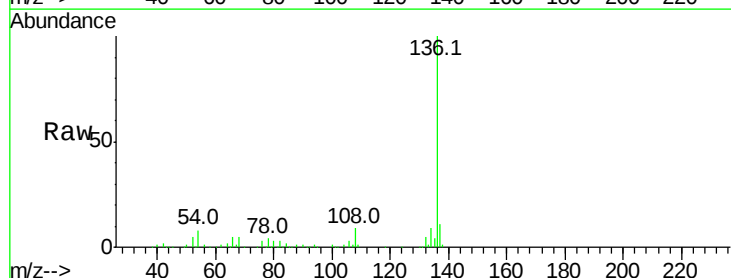
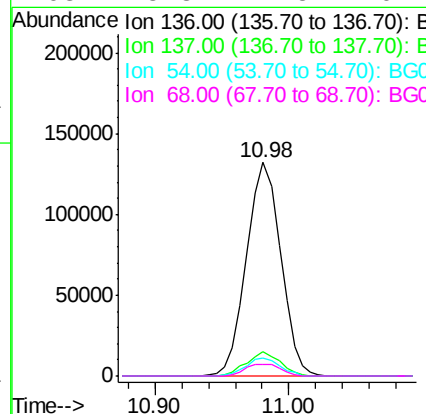
RT: 10.98 min Scan# 1309

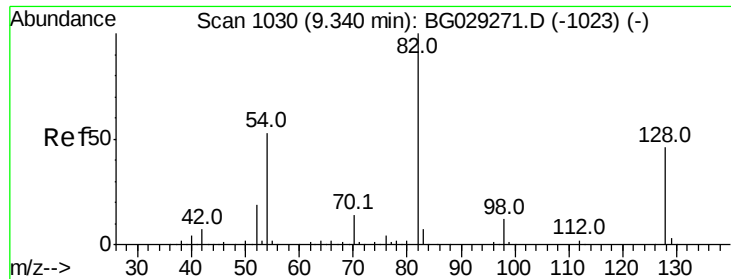
Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		234259		
137	11.4	9.2	13.8		
54	8.3	10.3	15.5#		
68	5.3	4.5	6.7		





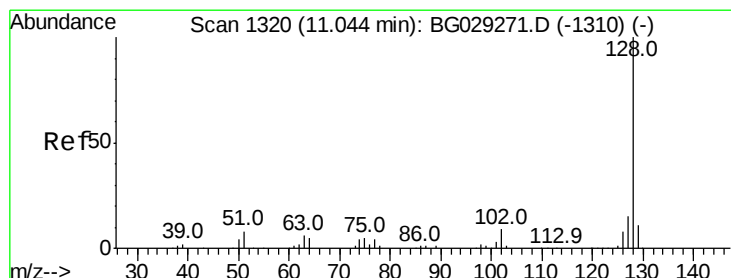
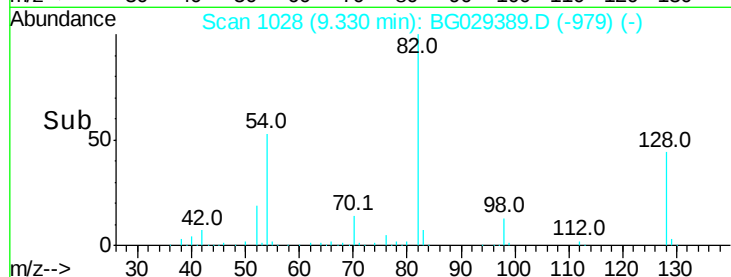
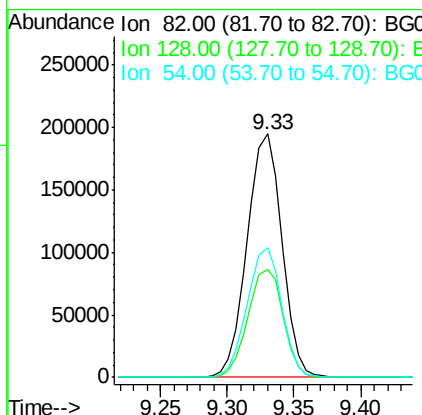
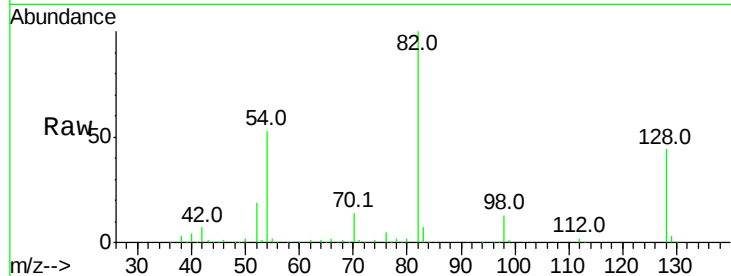
#23
Nitrobenzene-d5
Concen: 95.383 ng
RT: 9.33 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

Instrument :
BNA_G
ClientSampleId :
NB-01-101817-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	29.7	44.5
54	53.2	43.1	64.7

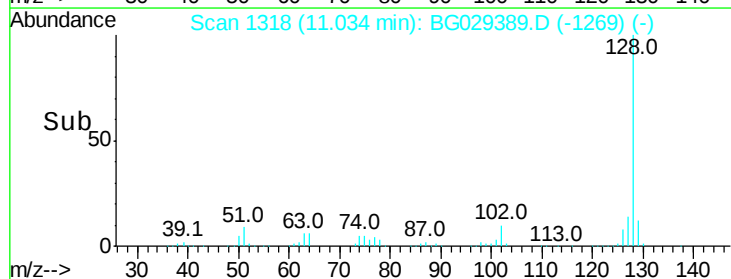
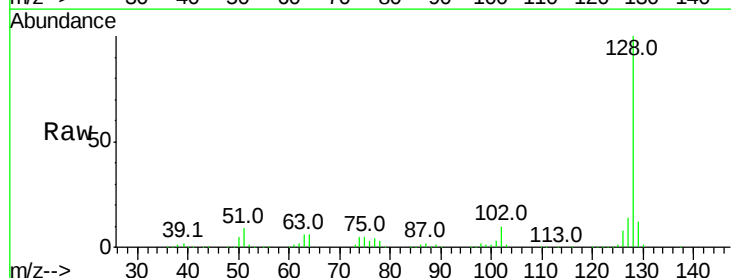
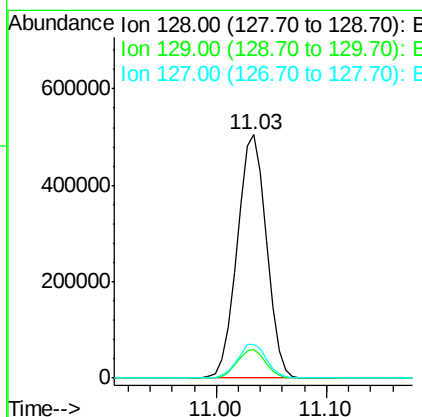
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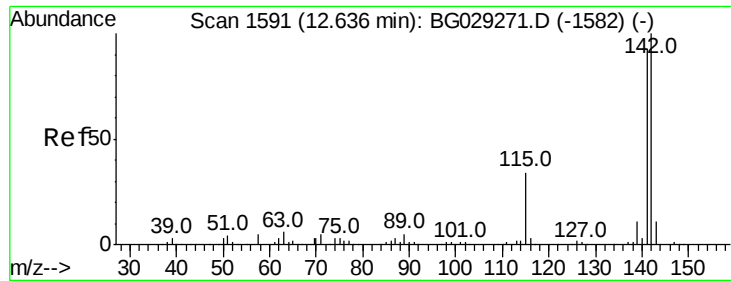
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#31
Naphthalene
Concen: 80.476 ng
RT: 11.03 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG029389.D
Acq: 21 Oct 2017 13:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	12.8
127	13.8	11.6	17.4





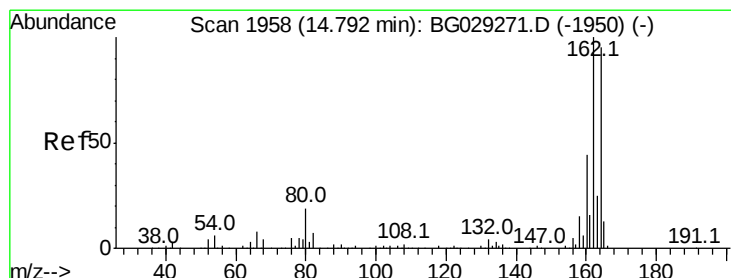
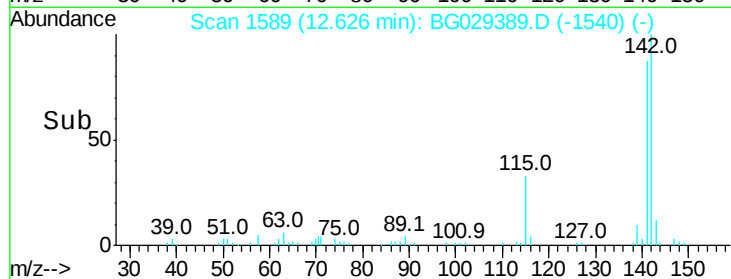
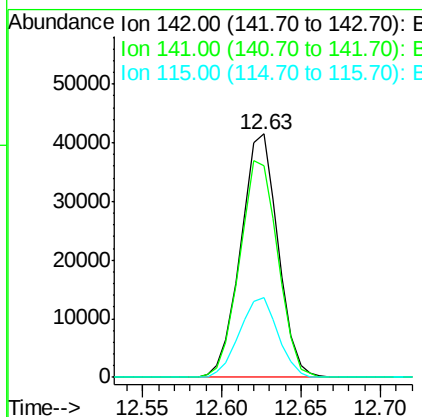
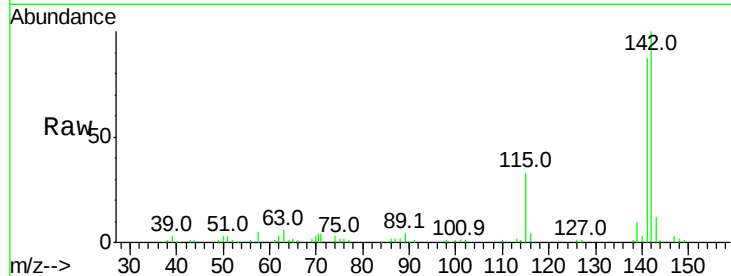
#37
 2-Methylnaphthalene
 Concen: 7.955 ng
 RT: 12.63 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BG029389.D
 Acq: 21 Oct 2017 13:24

Instrument :
 BNA_G
 ClientSampleId :
 NB-01-101817-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.8	67.1	100.7
115	33.0	30.7	46.1

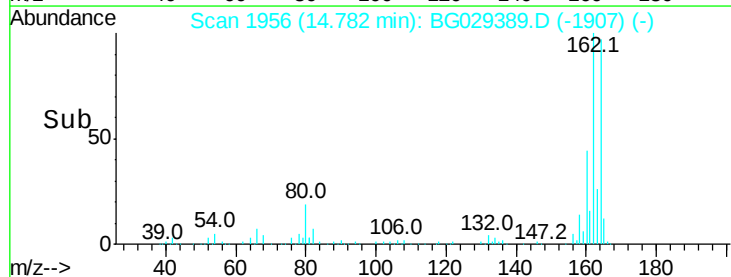
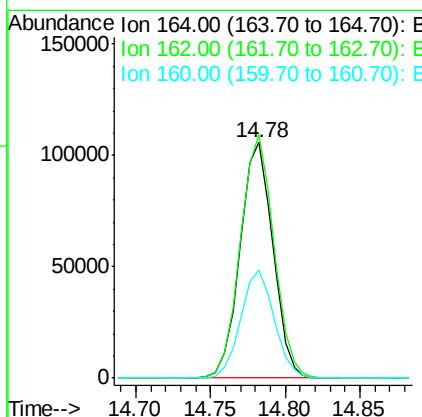
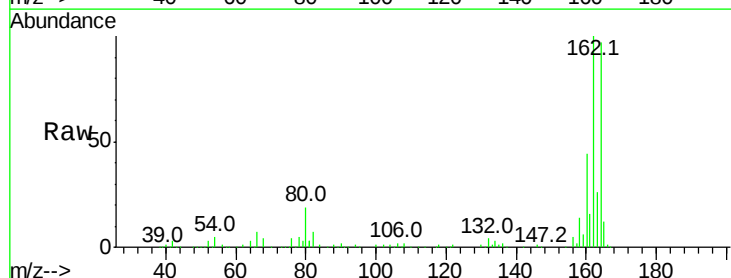
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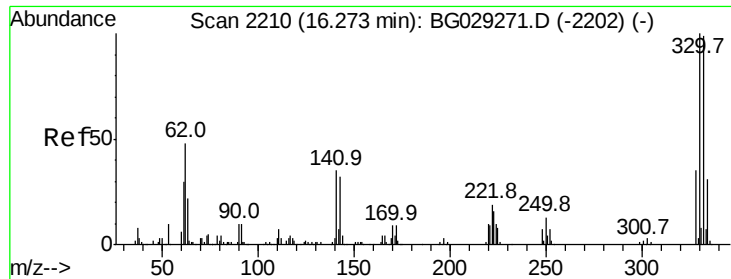
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.78 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BG029389.D
 Acq: 21 Oct 2017 13:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	78.8	118.2
160	45.7	35.4	53.0





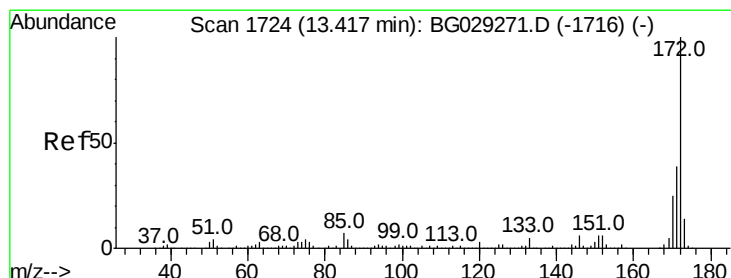
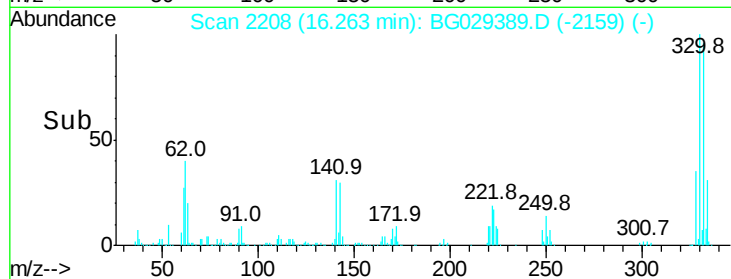
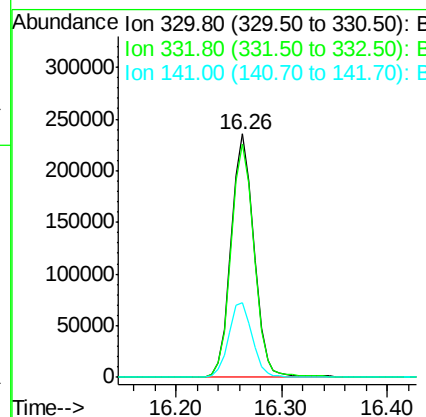
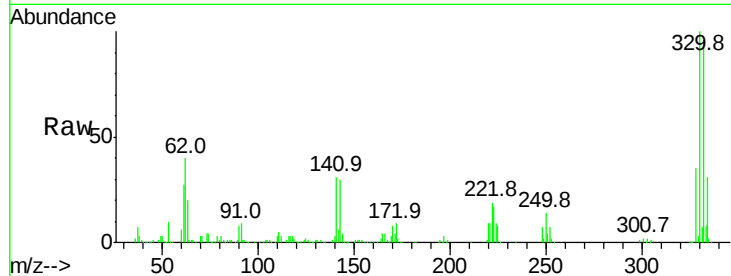
#41
 2,4,6-Tribromophenol
 Concen: 169.707 ng
 RT: 16.26 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BG029389.D
 Acq: 21 Oct 2017 13:24

Instrument :
 BNA_G
 ClientSampleId :
 NB-01-101817-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	32.0	25.2	37.8	

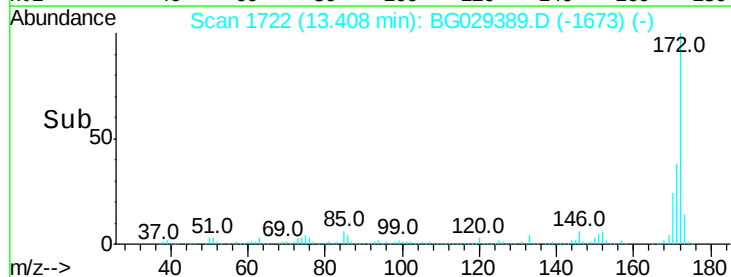
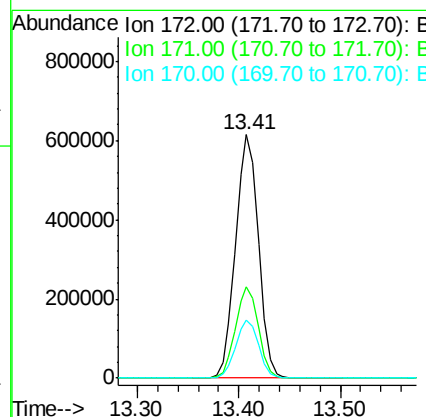
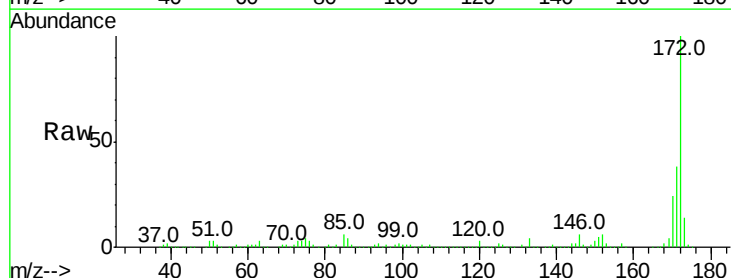
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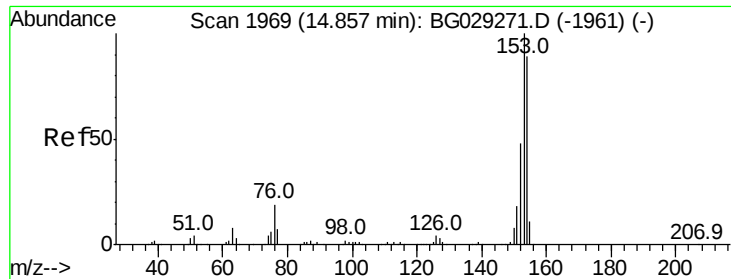
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#44
 2-Fluorobiphenyl
 Concen: 87.465 ng
 RT: 13.41 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG029389.D
 Acq: 21 Oct 2017 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.6	30.0	45.0	
170	23.9	19.5	29.3	





#51

Acenaphthene

Concen: 3.117 ng

RT: 14.84 min Scan# 1966

Delta R.T. -0.02 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

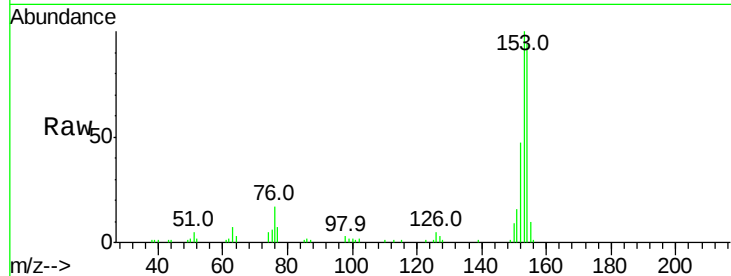
ClientSampleId :

NB-01-101817-A

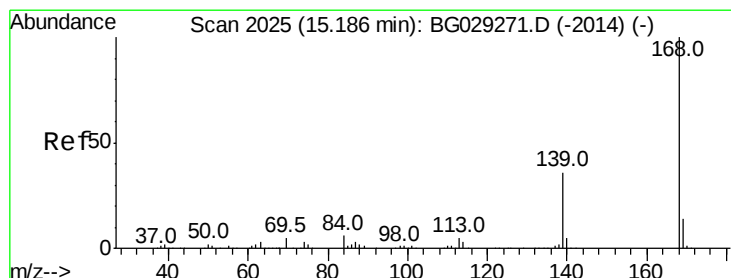
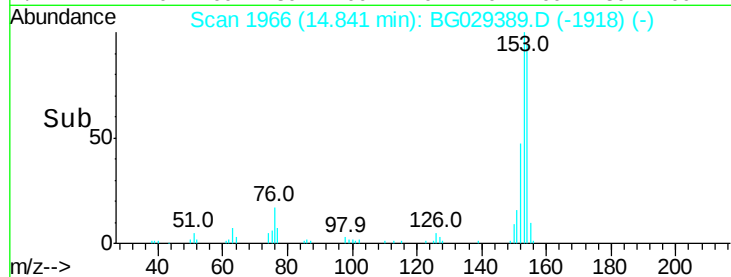
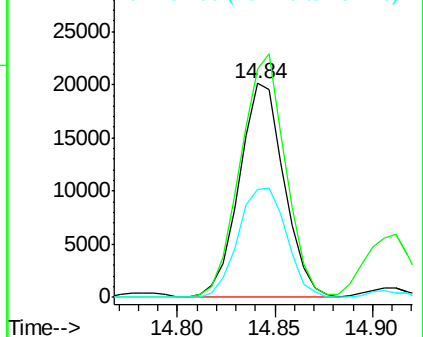
Tot Ion:	154	Resp:	32076
Ion Ratio	Lower	Upper	
154	100		
153	106.8	90.4	135.6
152	50.6	41.6	62.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.398 ng

RT: 15.18 min Scan# 2023

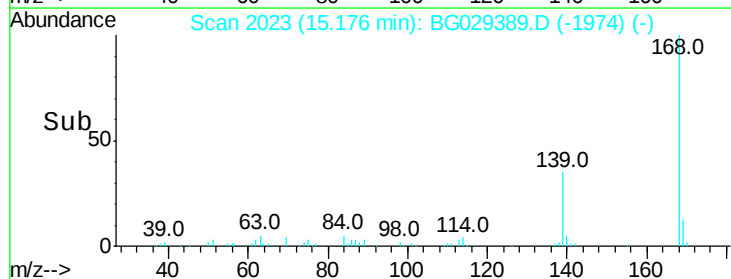
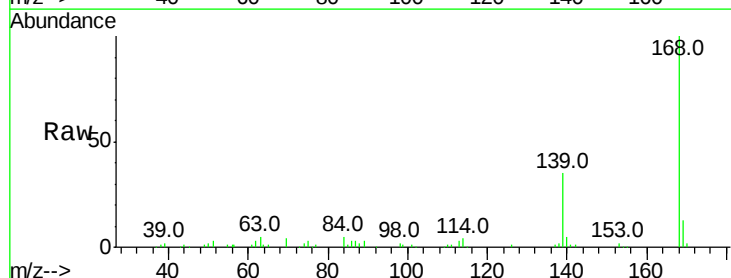
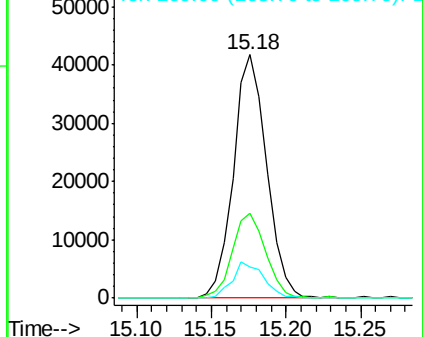
Delta R.T. -0.01 min

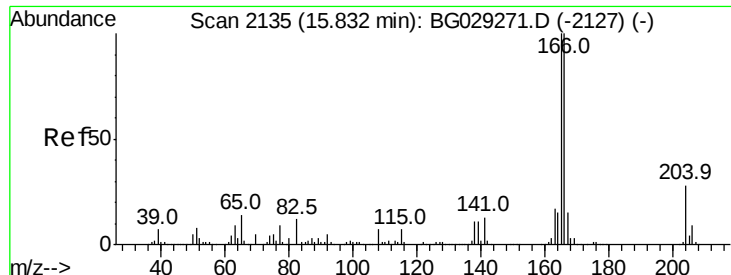
Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Tgt Ion:	168	Resp:	64601
Ion Ratio	Lower	Upper	
168	100		
139	34.9	28.6	43.0
169	12.9	11.2	16.8

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.985 ng

RT: 15.82 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

ClientSampleId :

NB-01-101817-A

Tot Ion:166 Resp: 36225

Ion Ratio Lower Upper

166 100

165 98.1 80.6 121.0

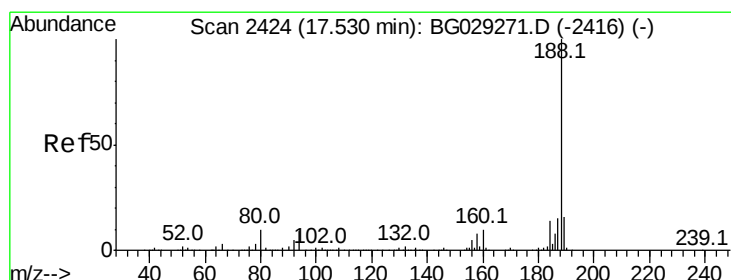
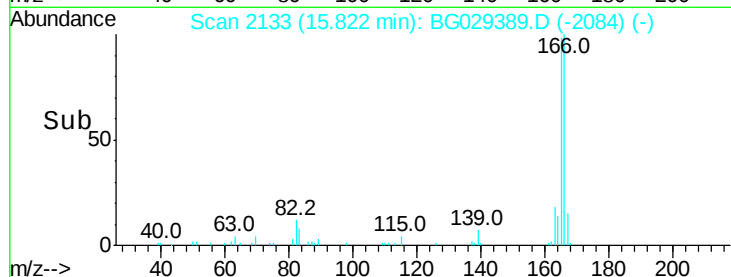
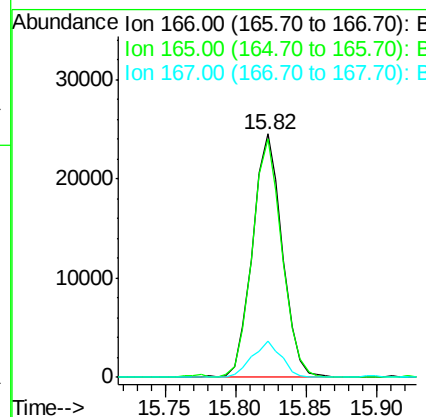
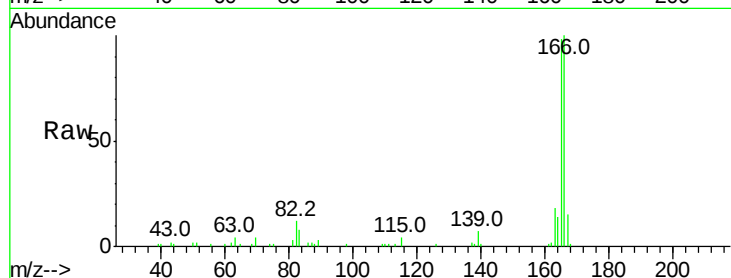
167 15.1 10.4 15.6

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

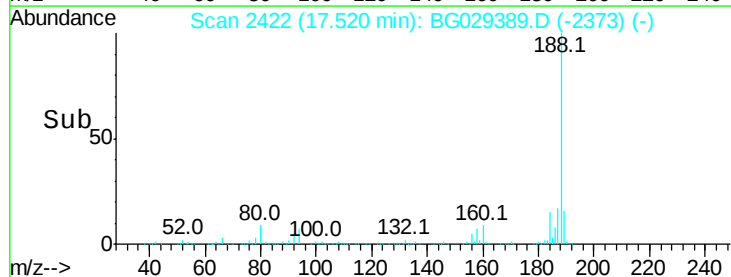
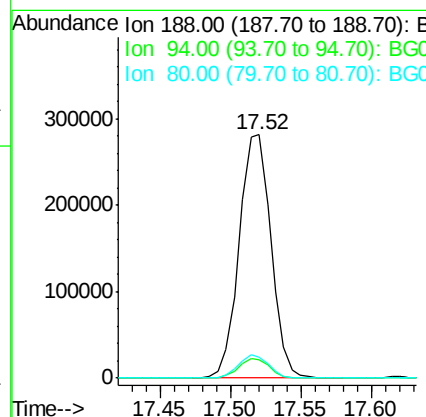
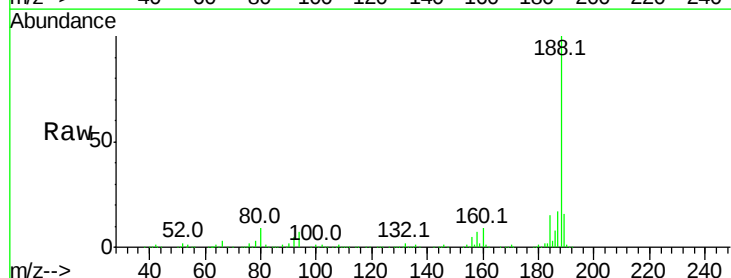
Tgt Ion:188 Resp: 442758

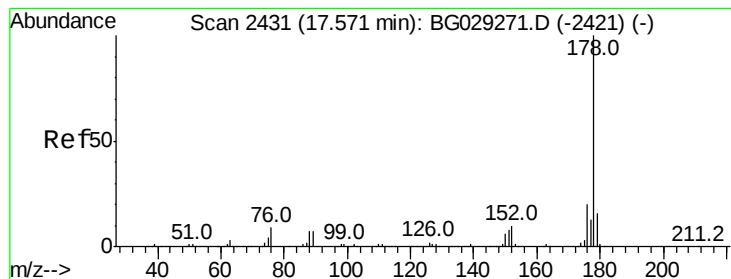
Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

80 8.6 7.7 11.5





#70

Phenanthrene

Concen: 2.647 ng

RT: 17.56 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

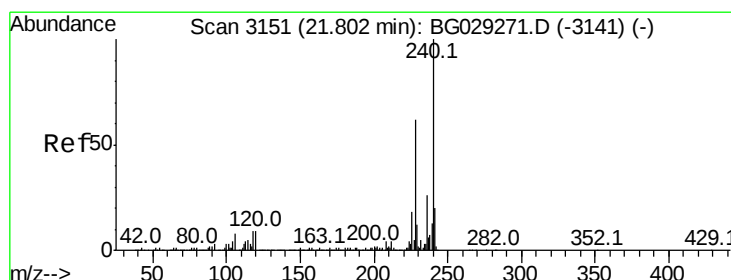
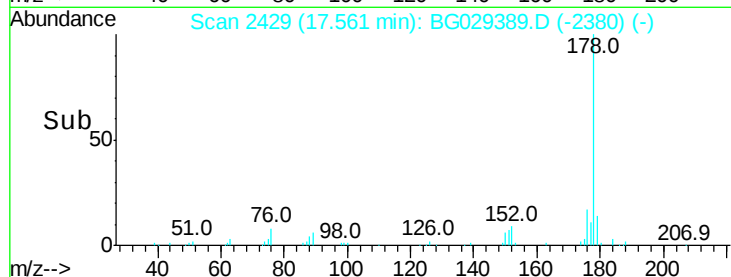
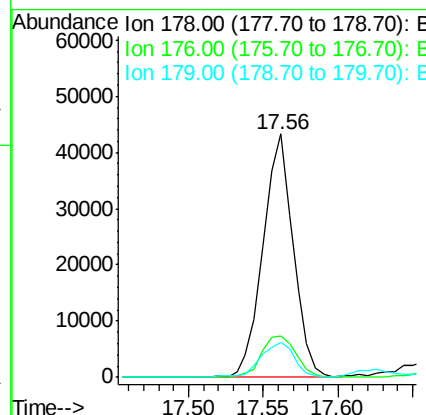
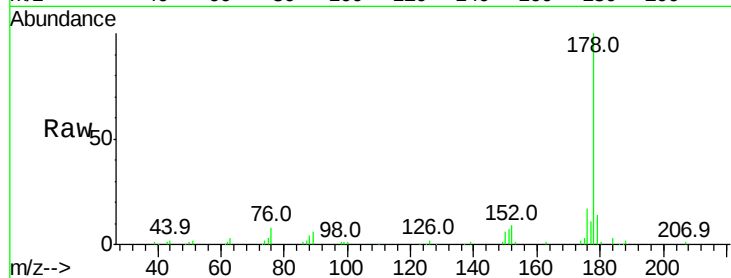
ClientSampleId :

NB-01-101817-A

Tot Ion:	178	Resp:	60556
Ion Ratio	Lower	Upper	
178	100		
176	17.1	15.7	23.5
179	14.3	12.5	18.7

Manual Integrations
APPROVED

Sohil
10/23/2017 3:41:15 PM



#75

Chrysene-d12

Concen: 20.000 ng

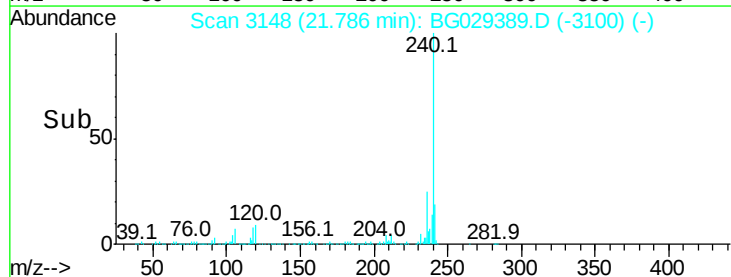
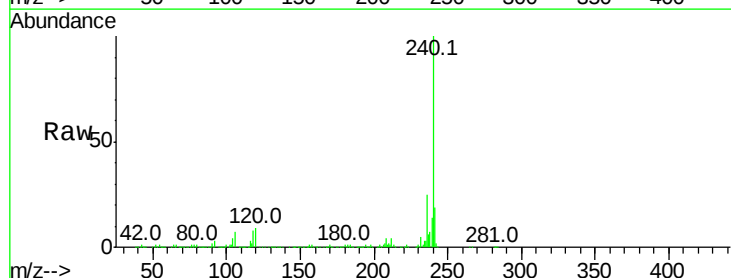
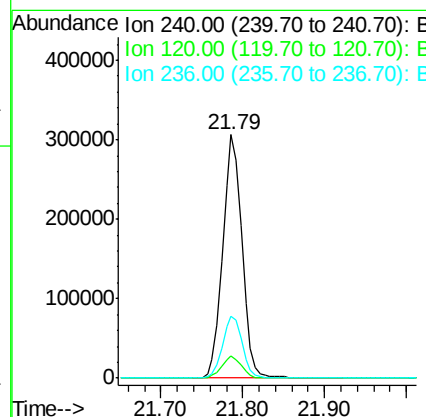
RT: 21.79 min Scan# 3148

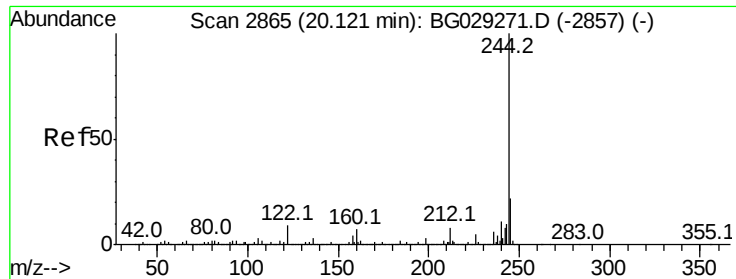
Delta R.T. -0.02 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Tgt Ion:	240	Resp:	503587
Ion Ratio	Lower	Upper	
240	100		
120	9.1	6.8	10.2
236	25.5	20.9	31.3





#78

Terphenyl-d14

Concen: 86.299 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

Instrument :

BNA_G

ClientSampleId :

NB-01-101817-A

Tot Ion:244 Resp: 1910335

Ion Ratio Lower Upper

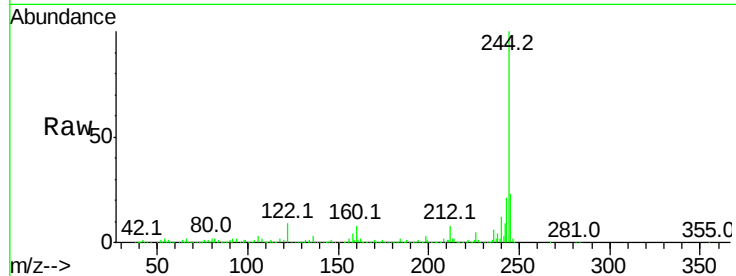
244 100

212 8.4 5.8 8.8

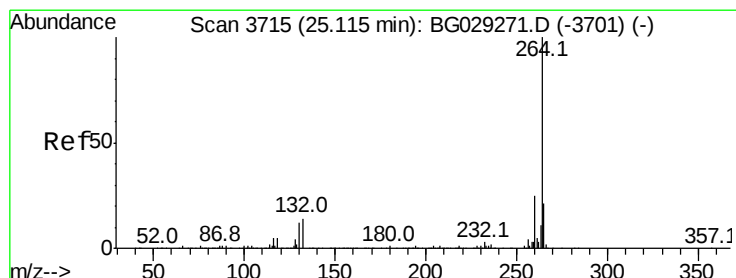
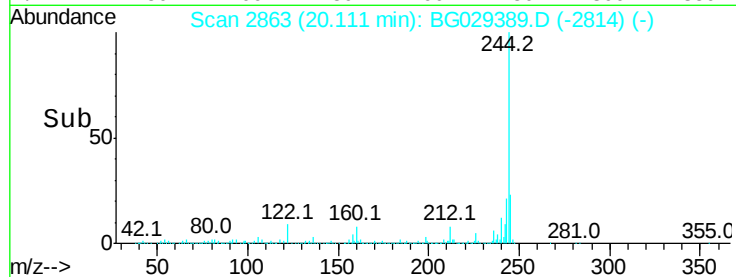
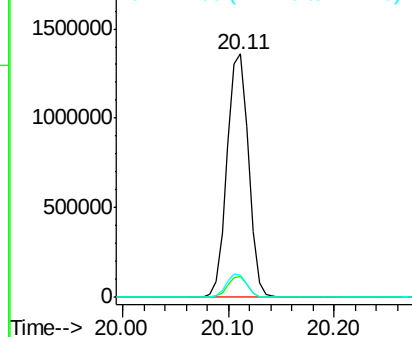
122 9.3 7.0 10.4

Manual Integrations
APPROVED

Sohil
10/23/2017 3:41:15 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG029389.D

Acq: 21 Oct 2017 13:24

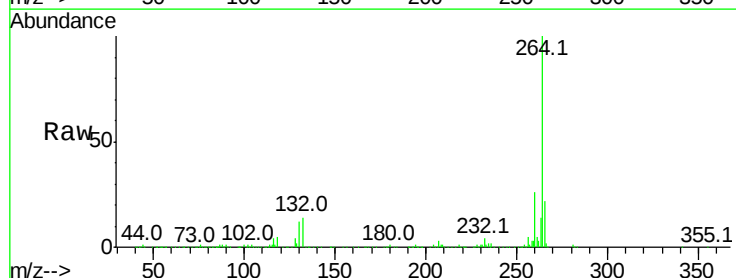
Tgt Ion:264 Resp: 511901

Ion Ratio Lower Upper

264 100

260 25.5 17.4 26.0

265 22.0 17.7 26.5



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

