

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
 Data File : BG023916.D
 Acq On : 26 Aug 2016 6:59
 Operator : UM/SJ
 Sample : H4588-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Quant Time: Aug 26 07:36:23 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 24 17:42:04 2016
 Response via : Initial Calibration

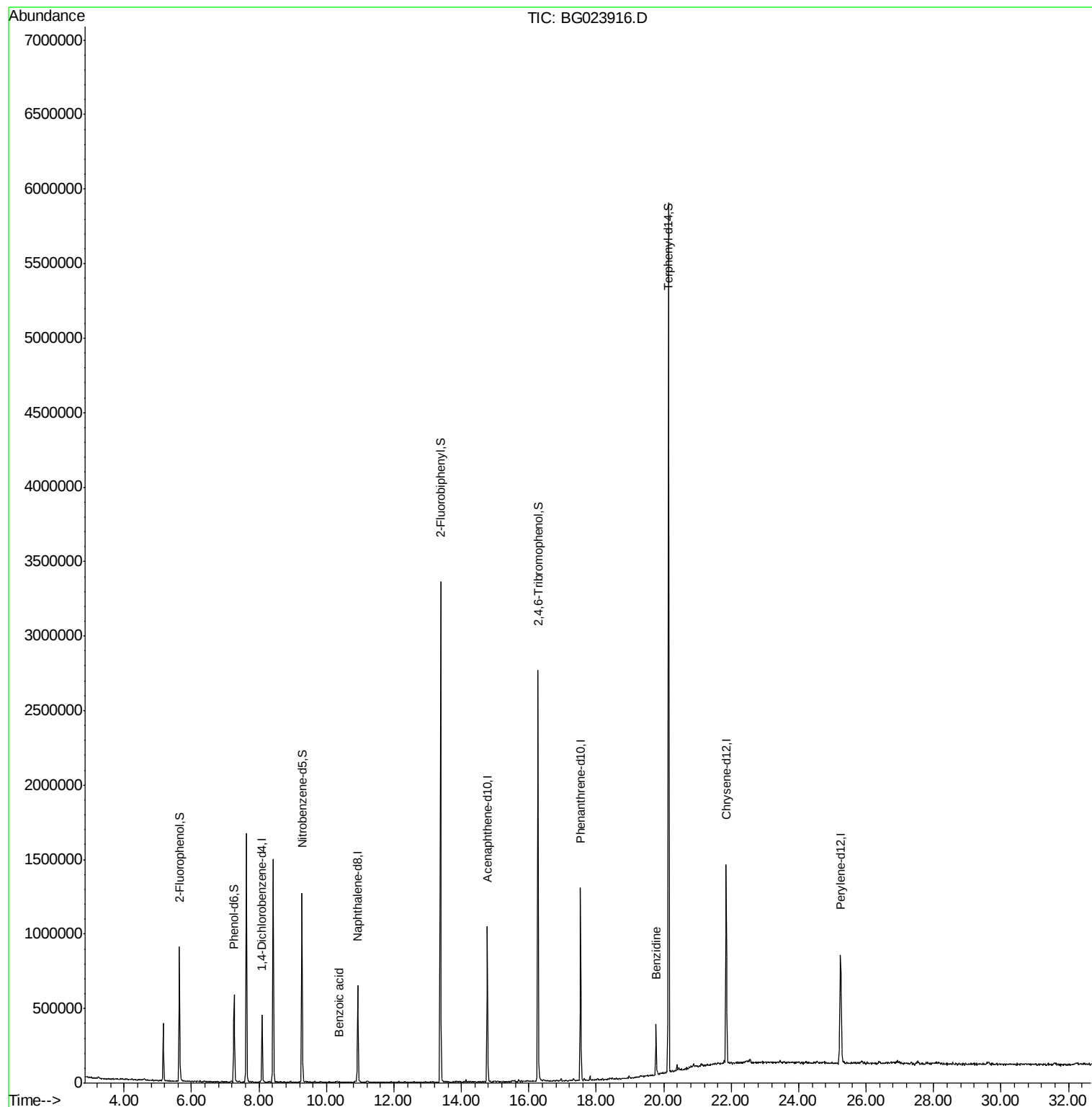
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	121811	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	534352	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	342145	20.00	ng	0.00
63) Phenanthrene-d10	17.53	188	814782	20.00	ng	0.00
75) Chrysene-d12	21.85	240	825719	20.00	ng	0.00
86) Perylene-d12	25.24	264	807727	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	380340	52.56	ng	0.00
7) Phenol-d6	7.26	99	356757	31.65	ng	0.00
23) Nitrobenzene-d5	9.28	82	848458	78.94	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	483997	96.71	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	1635234	80.61	ng	0.00
78) Terphenyl-d14	20.14	244	2221418	83.95	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	76	Below Cal	#	8
32) Benzoic acid	10.38	122	116	6.46 ng	#	10
73) Di-n-butylphthalate	18.47	149	3603	Below Cal	#	85
74) Fluoranthene	19.67	202	215	Below Cal		69
76) Benzydine	19.77	184	191939	8.36 ng		99
77) Pyrene	19.95	202	747	Below Cal	#	57

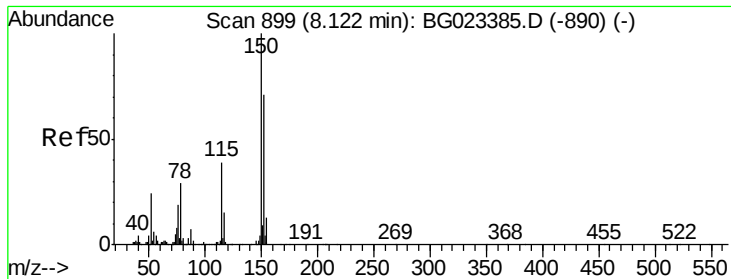
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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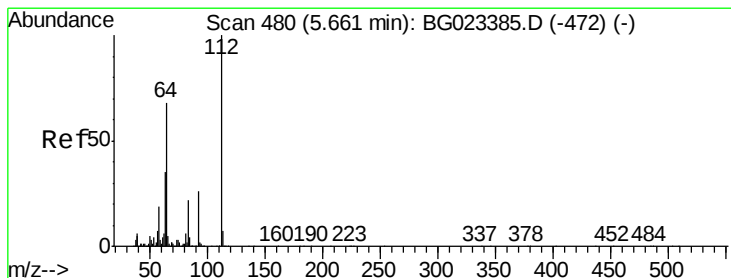
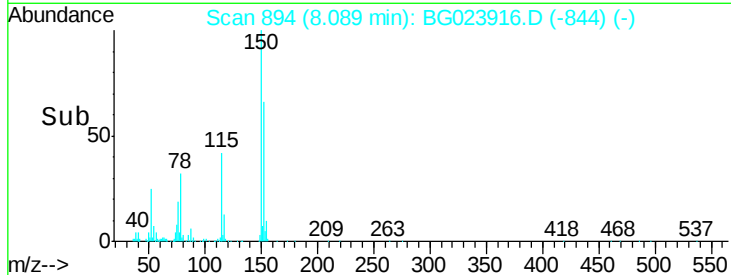
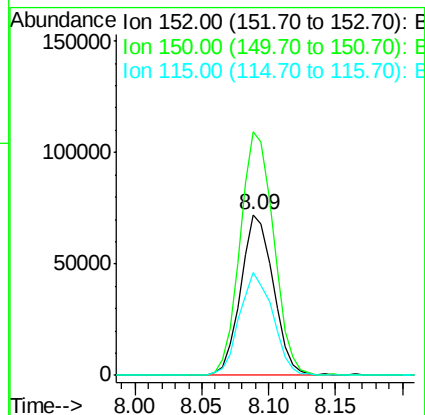
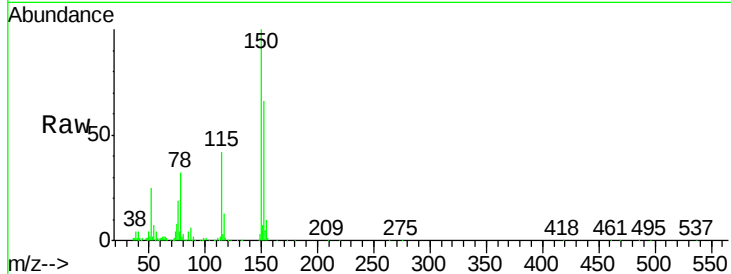


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.01 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

Instrument :
BNA_G
ClientSampleId :
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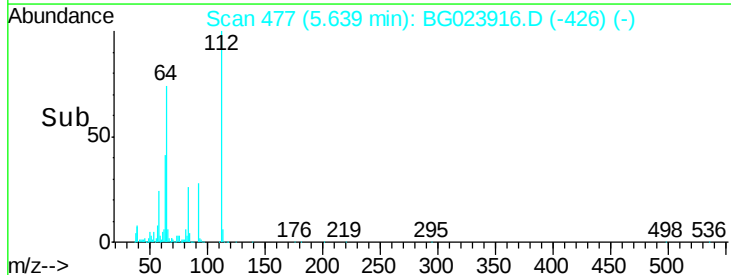
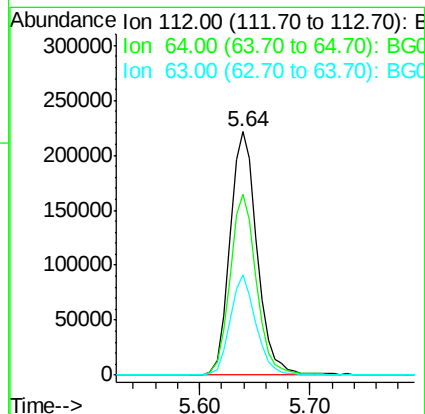
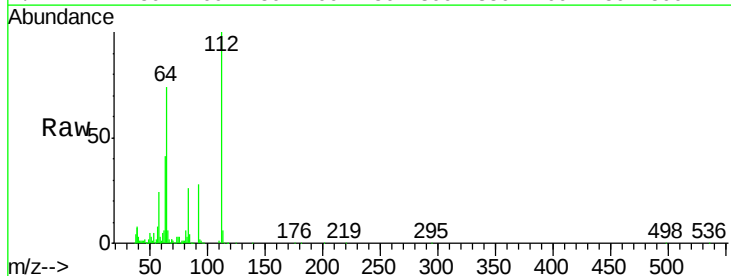
Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.2	144.7	217.1
115	64.0	64.0	96.0

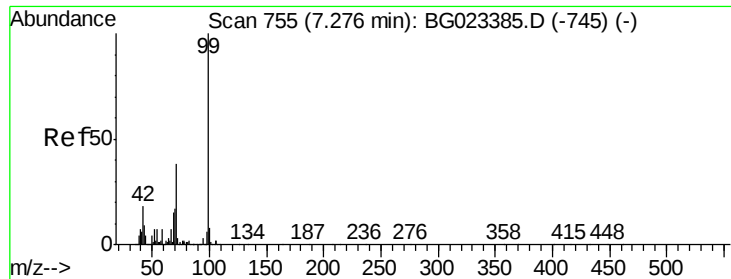


#5

2-Fluorophenol
Concen: 52.56 ng
RT: 5.64 min Scan# 477
Delta R.T. -0.00 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.1	59.0	88.4
63	41.0	37.8	56.8





#7

Phenol-d6

Concen: 31.65 ng

RT: 7.26 min Scan# 753

Delta R.T. 0.01 min

Lab File: BG023916.D

Acq: 26 Aug 2016 6:59

Instrument :

BNA_G

ClientSampleId :

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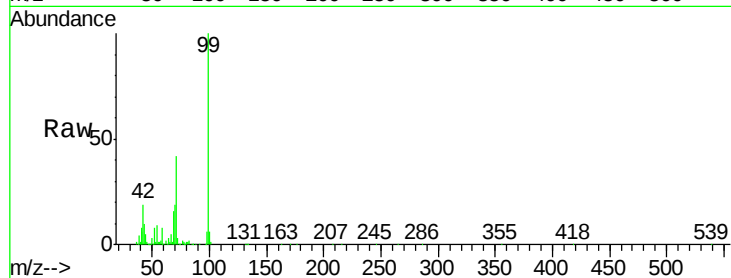
Tgt Ion: 99 Resp: 356757

Ion Ratio Lower Upper

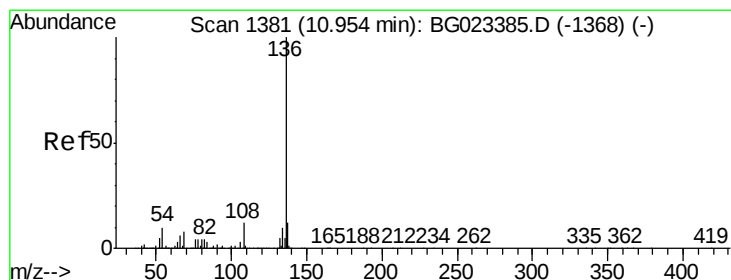
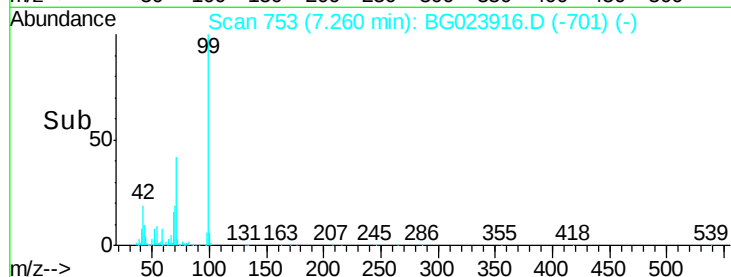
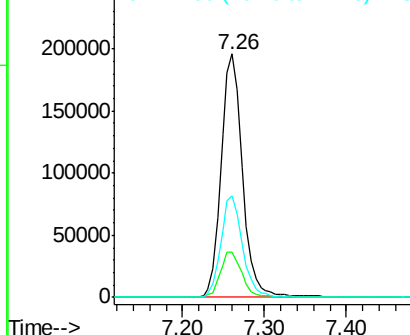
99 100

42 18.6 17.8 26.6

71 41.7 41.5 62.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BG023916.D

Acq: 26 Aug 2016 6:59

Tgt Ion: 136 Resp: 534352

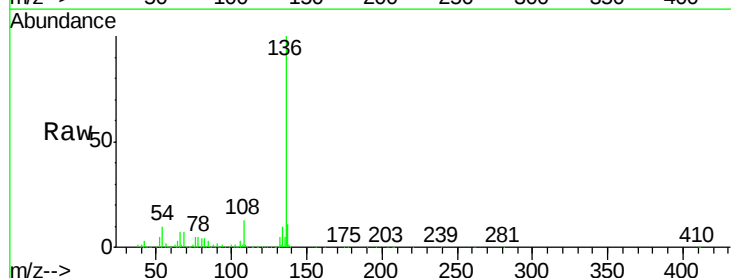
Ion Ratio Lower Upper

136 100

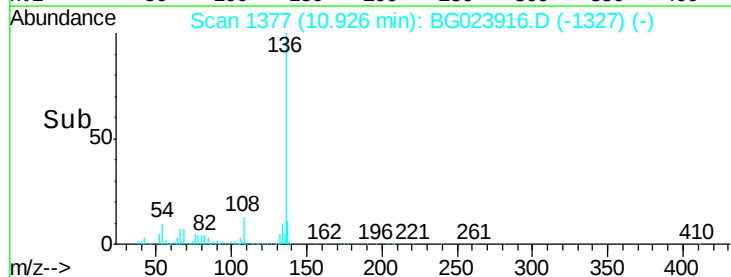
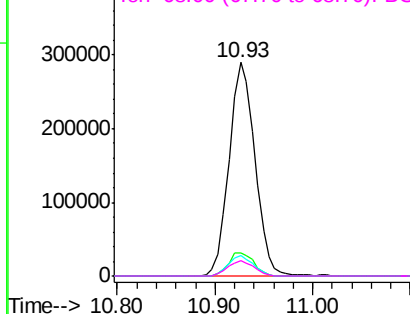
137 10.8 9.6 14.4

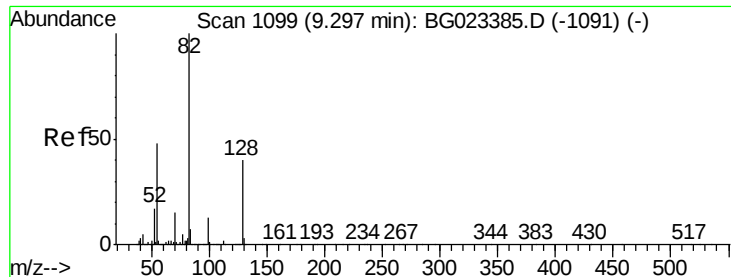
54 9.5 7.3 10.9

68 7.1 5.3 7.9



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

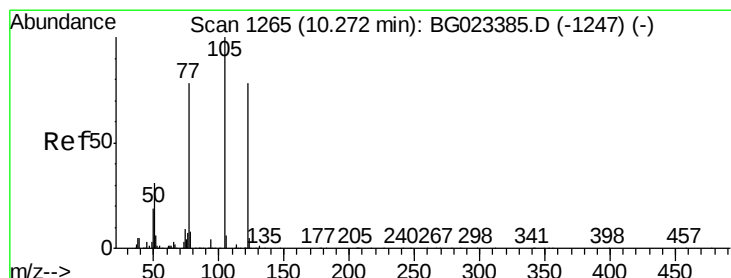
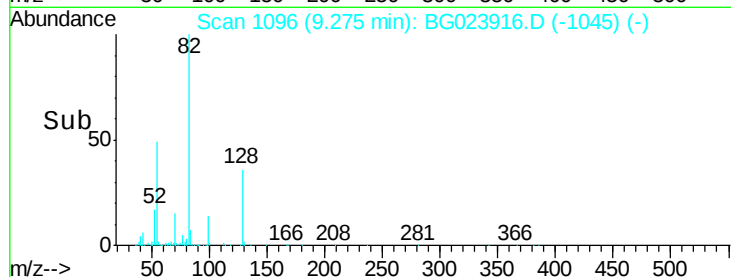
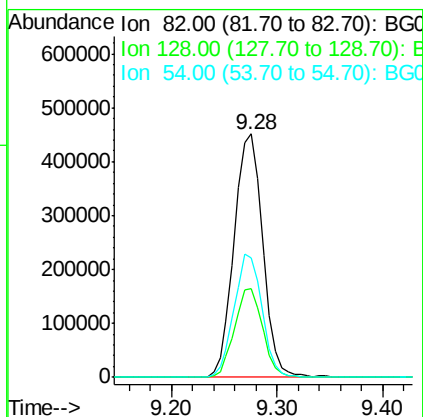
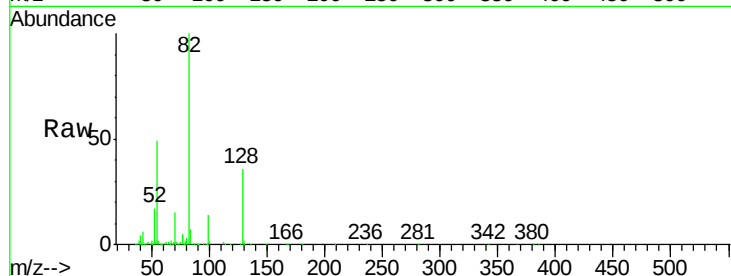




#23
 Nitrobenzene-d5
 Concen: 78.94 ng
 RT: 9.28 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: BG023916.D
 Acq: 26 Aug 2016 6:59

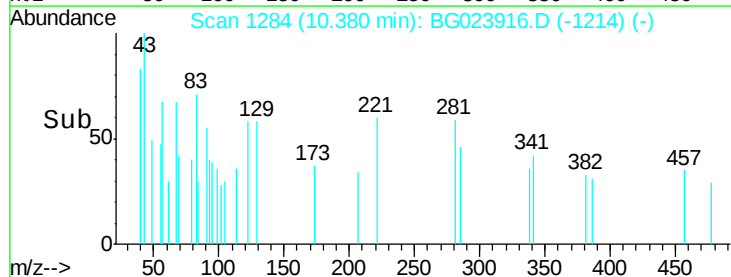
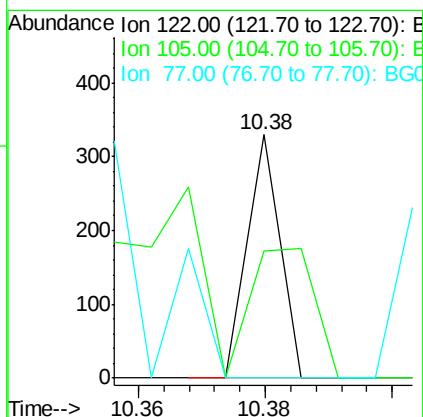
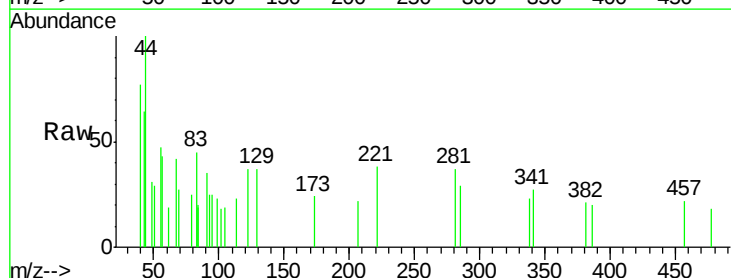
Instrument :
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 ClientSampleId :
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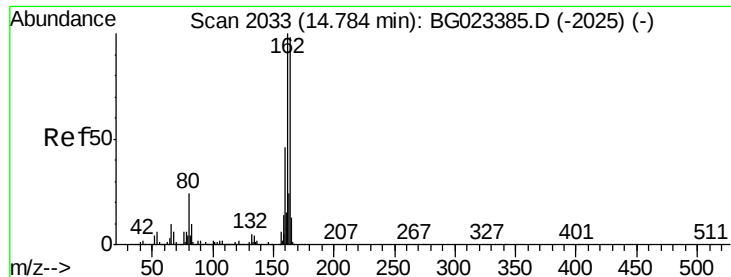
Tgt Ion: 82 Resp: 848458
 Ion Ratio Lower Upper
 82 100
 128 36.4 24.4 36.6
 54 49.1 41.4 62.0



#32
 Benzoic acid
 Concen: 6.46 ng
 RT: 10.38 min Scan# 1284
 Delta R.T. 0.11 min
 Lab File: BG023916.D
 Acq: 26 Aug 2016 6:59

Tgt Ion: 122 Resp: 116
 Ion Ratio Lower Upper
 122 100
 105 52.4 117.2 157.2#
 77 0.0 109.2 149.2#

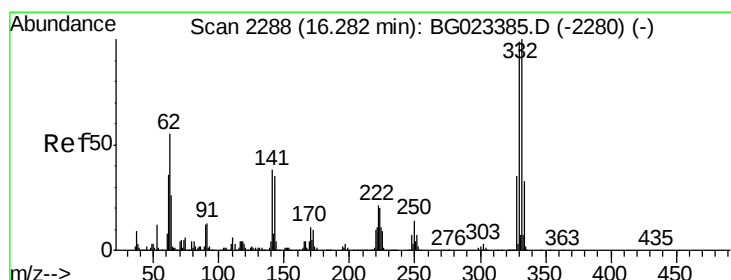
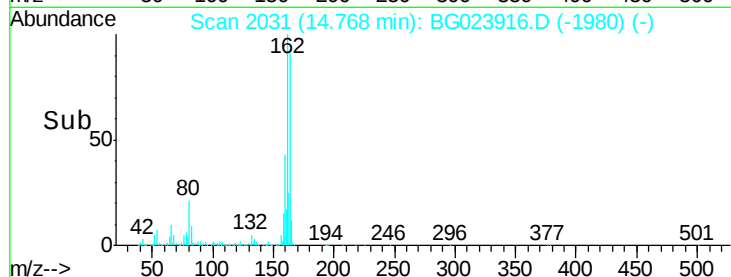
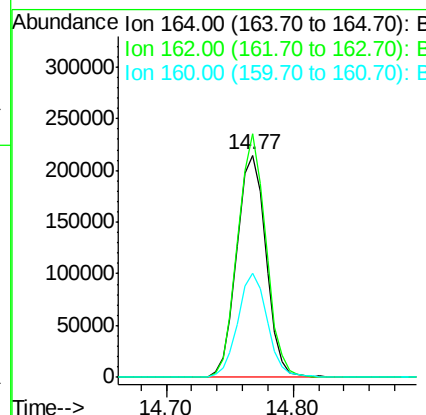
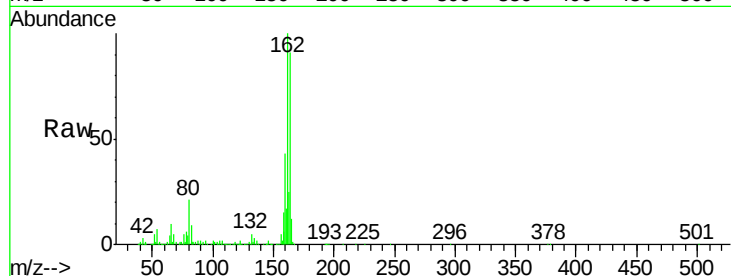




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

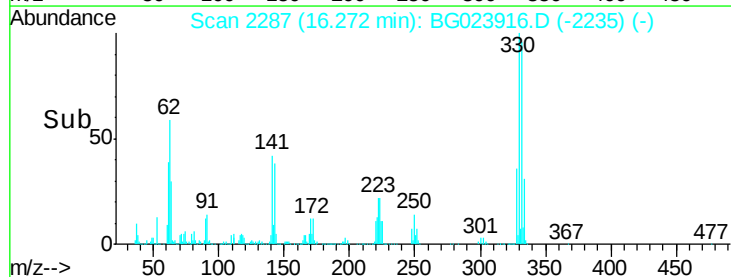
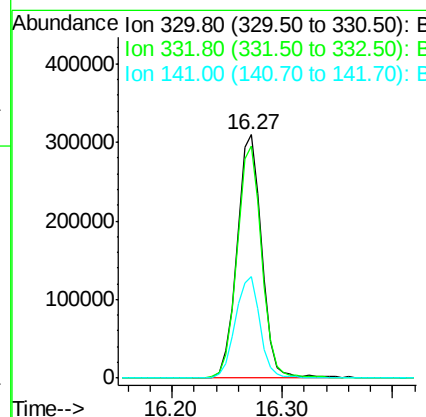
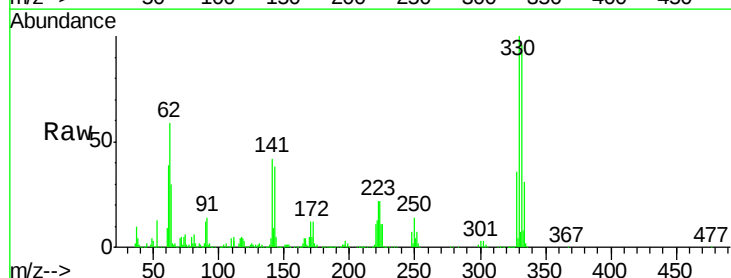
Instrument :
BNA_G
ClientSampleId :
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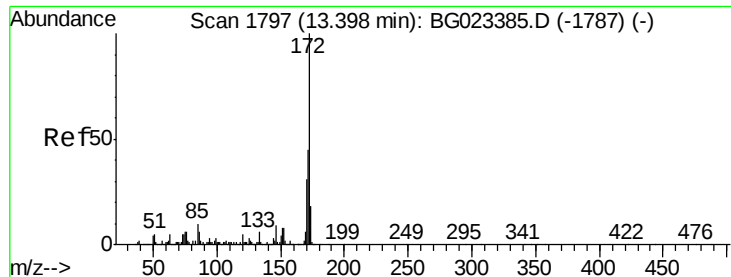
Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.6	87.7	131.5
160	47.1	37.2	55.8



#41
2,4,6-Tribromophenol
Concen: 96.71 ng
RT: 16.27 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.2
141	42.1	31.7	47.5

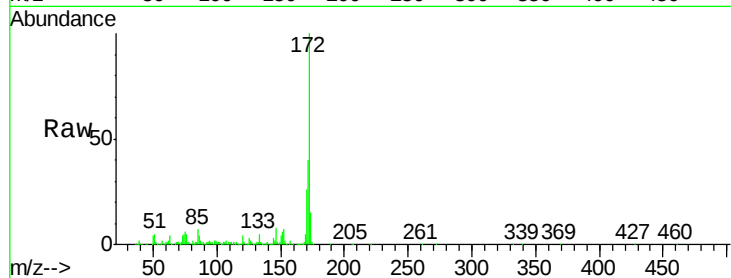




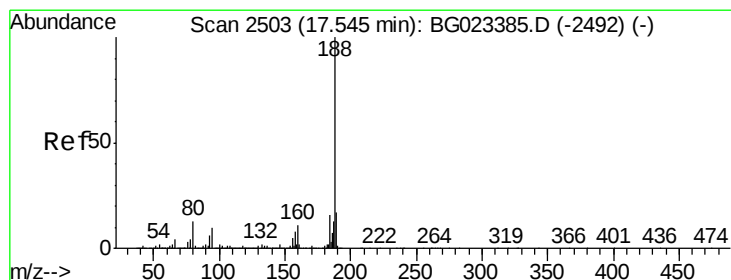
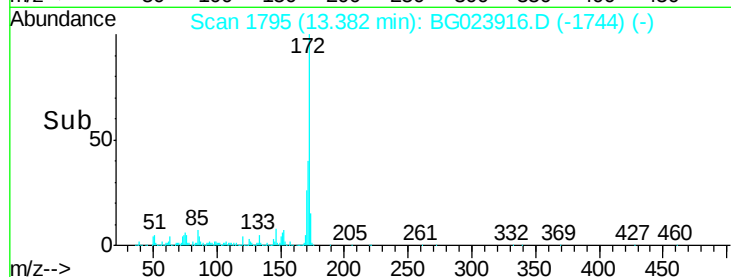
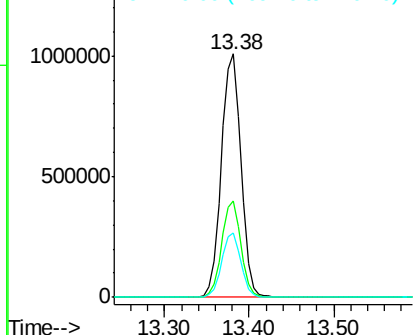
#44
 2-Fluorobiphenyl
 Concen: 80.61 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: BG023916.D
 Acq: 26 Aug 2016 6:59

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:172 Resp: 1635234
 Ion Ratio Lower Upper
 172 100
 171 39.9 31.6 47.4
 170 26.3 21.3 31.9

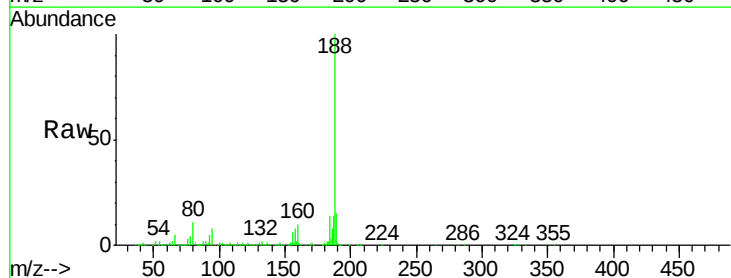


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

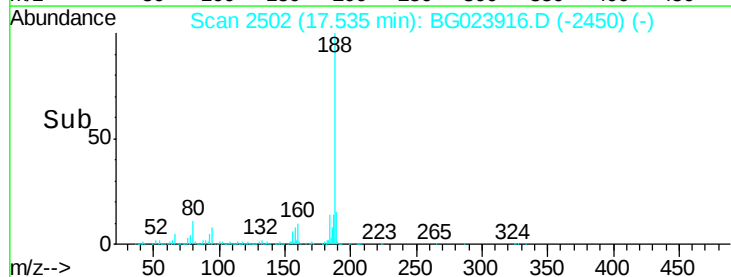
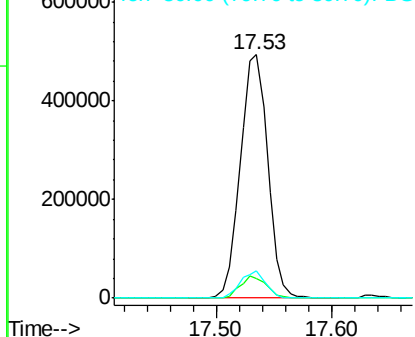


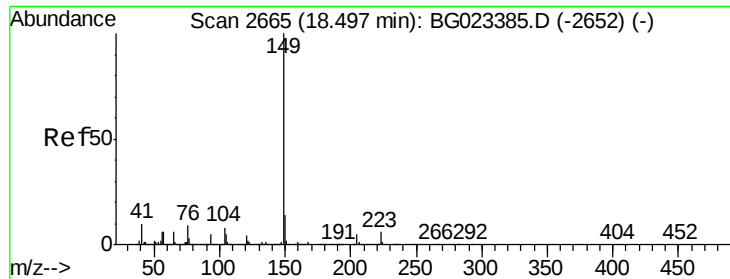
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.53 min Scan# 2502
 Delta R.T. 0.01 min
 Lab File: BG023916.D
 Acq: 26 Aug 2016 6:59

Tgt Ion:188 Resp: 814782
 Ion Ratio Lower Upper
 188 100
 94 8.0 5.2 7.8#
 80 11.1 7.2 10.8#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

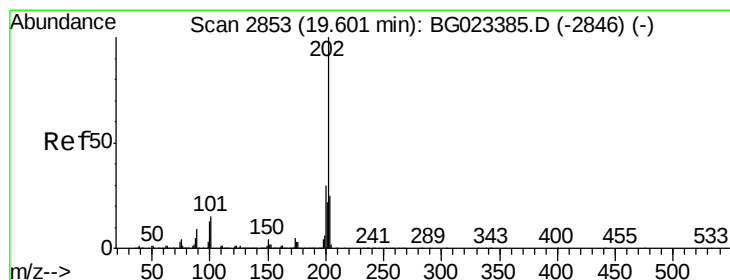
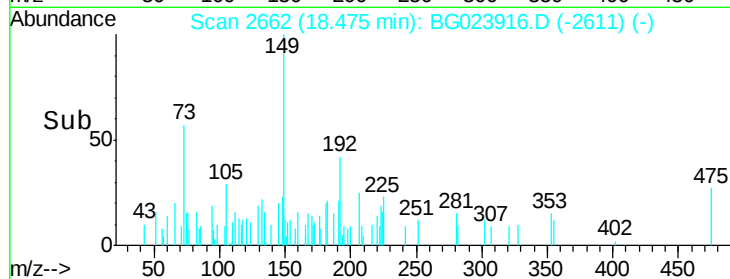
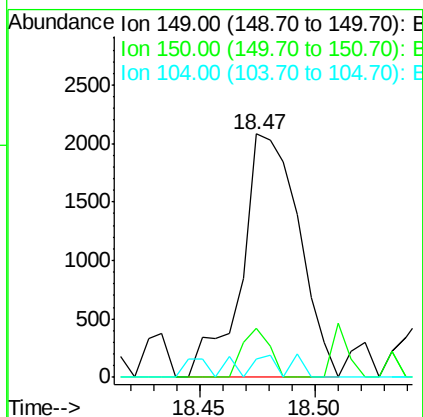
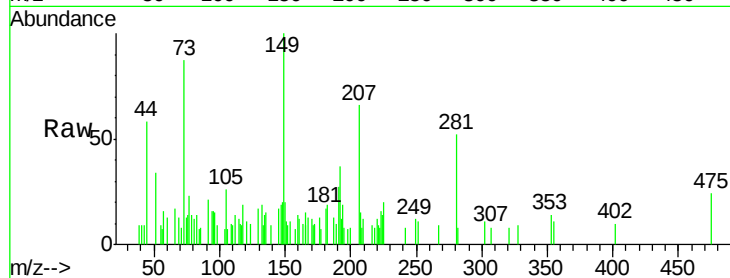




#73
Di-n-butylphthalate
Concen: Below Cal
RT: 18.47 min Scan# 2662
Delta R.T. -0.00 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

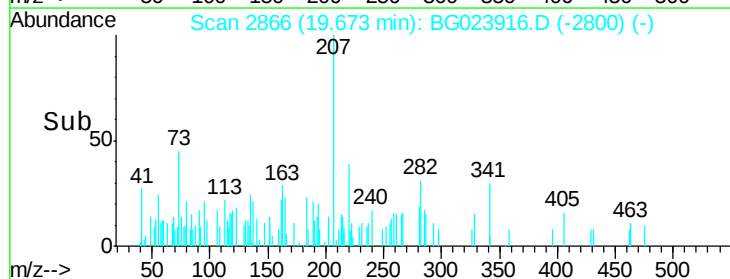
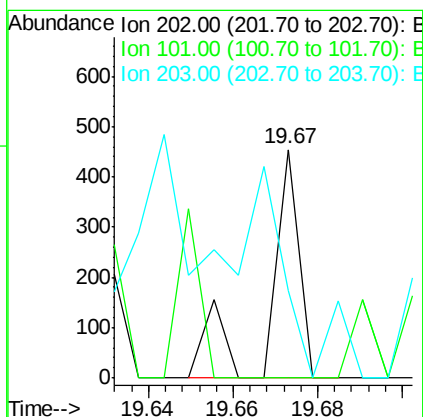
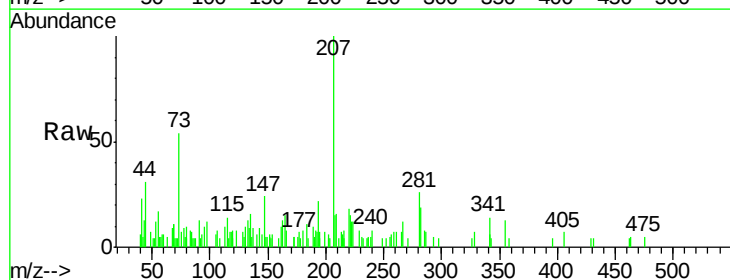
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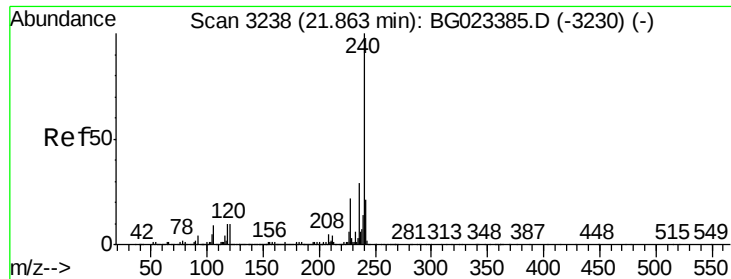
Tgt Ion:149 Resp: 3603
Ion Ratio Lower Upper
149 100
150 20.3 9.1 13.7#
104 7.5 6.9 10.3



#74
Fluoranthene
Concen: Below Cal
RT: 19.67 min Scan# 2866
Delta R.T. 0.09 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

Tgt Ion:202 Resp: 215
Ion Ratio Lower Upper
202 100
101 0.0 0.0 27.4
203 38.0 1.7 41.7

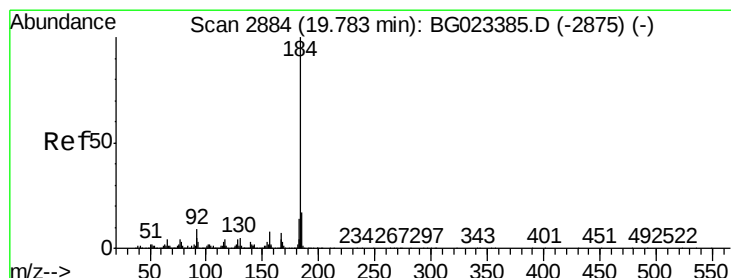
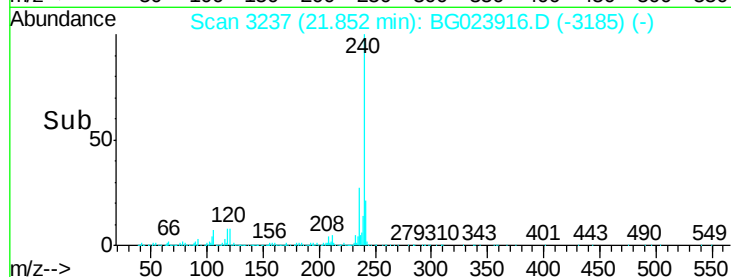
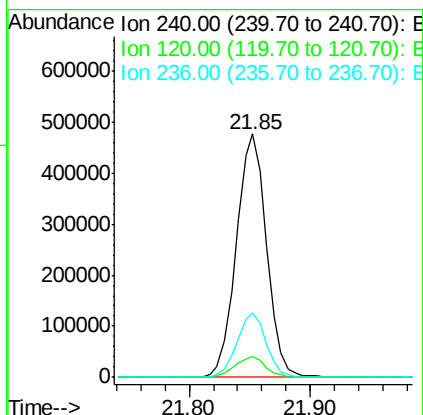
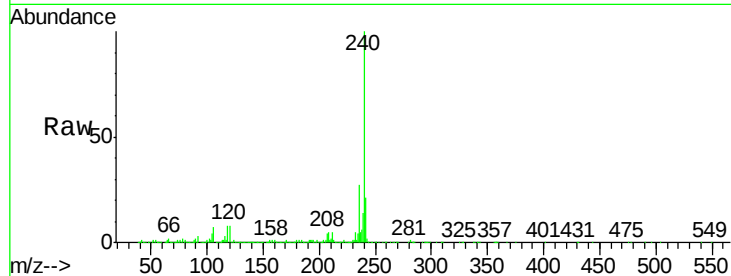




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3237
Delta R.T. 0.01 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

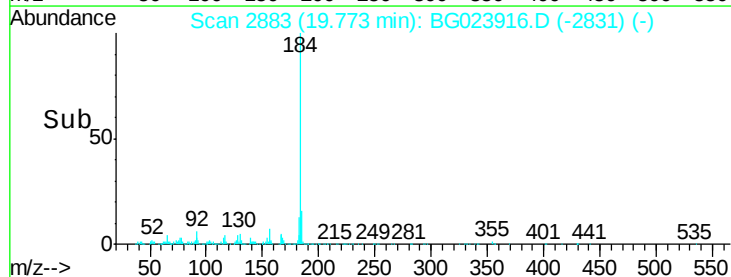
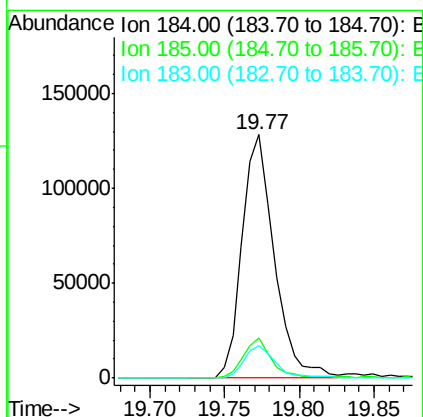
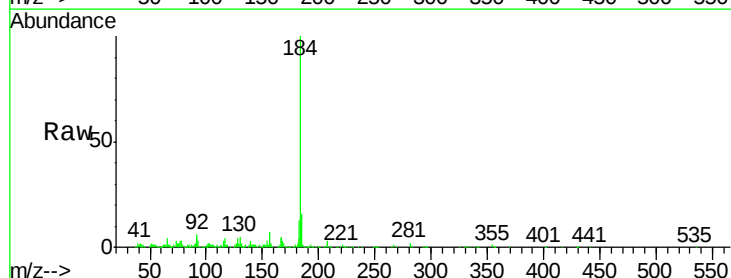
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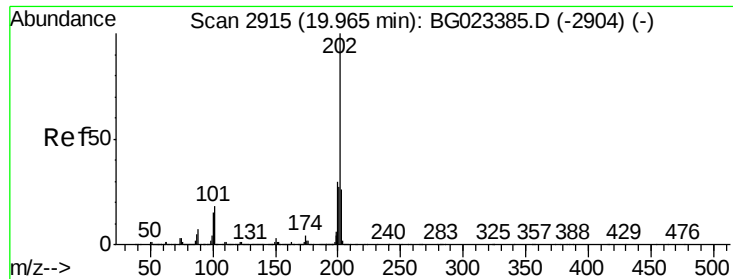
Tgt Ion:240 Resp: 825719
Ion Ratio Lower Upper
240 100
120 8.3 4.1 6.1#
236 26.6 21.1 31.7



#76
Benzidine
Concen: 8.36 ng
RT: 19.77 min Scan# 2883
Delta R.T. 0.01 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

Tgt Ion:184 Resp: 191939
Ion Ratio Lower Upper
184 100
185 16.3 12.6 19.0
183 13.2 10.7 16.1

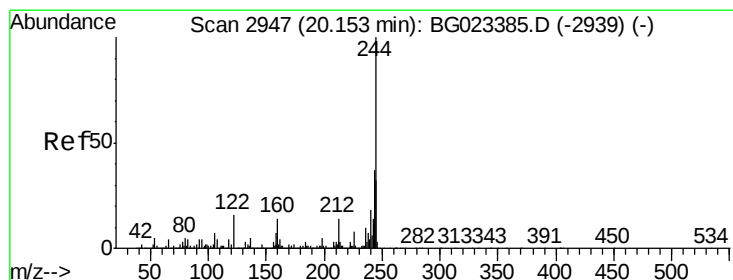
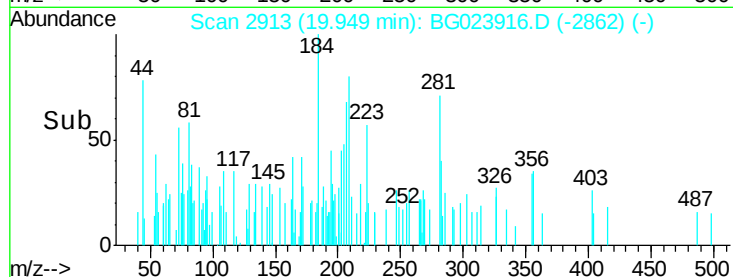
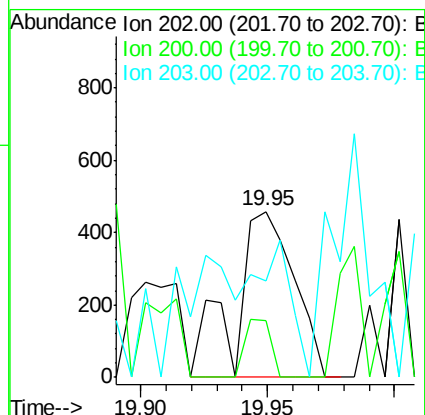
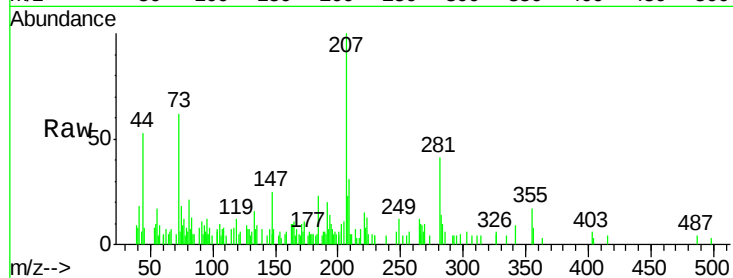




#77
 Pyrene
 Concen: Below Cal
 RT: 19.95 min Scan# 2913
 Delta R.T. -0.00 min
 Lab File: BG023916.D
 Acq: 26 Aug 2016 6:59

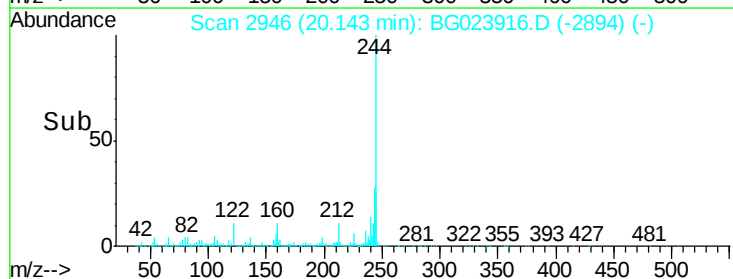
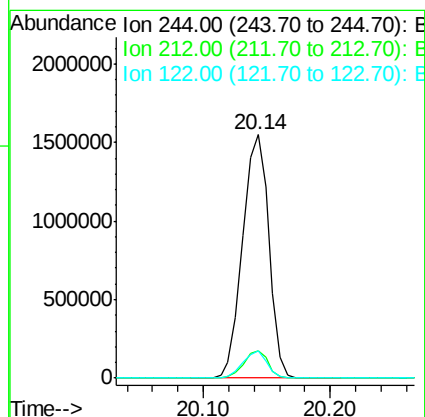
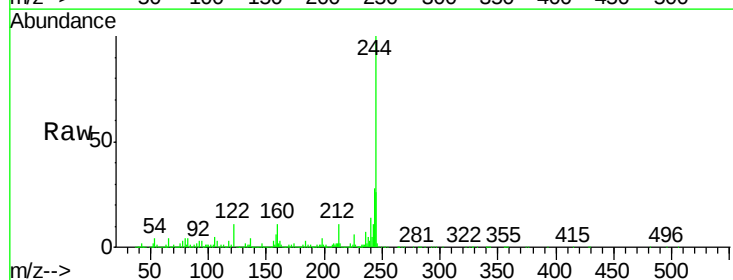
Instrument :
 BNA_G
 ClientSampleId :
 FIELDBLANK

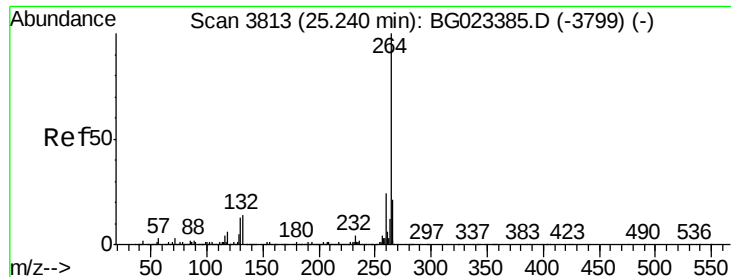
Tgt Ion: 202 Resp: 747
 Ion Ratio Lower Upper
 202 100
 200 34.1 21.2 31.8#
 203 58.1 16.8 25.2#



#78
 Terphenyl-d14
 Concen: 83.95 ng
 RT: 20.14 min Scan# 2946
 Delta R.T. 0.01 min
 Lab File: BG023916.D
 Acq: 26 Aug 2016 6:59

Tgt Ion: 244 Resp: 2221418
 Ion Ratio Lower Upper
 244 100
 212 11.3 10.8 16.2
 122 11.0 8.0 12.0

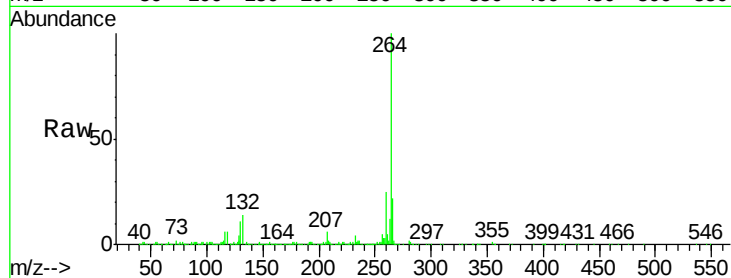




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.24 min Scan# 3814
Delta R.T. 0.02 min
Lab File: BG023916.D
Acq: 26 Aug 2016 6:59

Instrument :
BNA_G
ClientSampleId :
FIELDBLANK

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.4	27.6
265	21.9	18.9	28.3



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

