

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023624.D
 Acq On : 11 Aug 2016 13:22
 Operator : UM/SJ
 Sample : H4362-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-2430-01

Manual Integrations
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Quant Time: Aug 12 03:53:44 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 03:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	215363	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	1006351	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	666743	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	1456947	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1228073	20.00	ng/ul	0.02
83) Perylene-d12	25.31	264	1218076	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	4194m	0.83	ng/uL	0.00
5) Phenol-d5	7.28	99	175276	8.08	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.44	67	143951	10.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.65	132	145955	9.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.84	113	95220	5.62	ng/ul	0.02
19) Nitrobenzene-d5	9.30	128	84553	10.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.03	143	113538	12.46	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.58	165	181487	10.56	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	92012m	4.56	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	613229	11.23	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	716369	11.66	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	50082	5.37	ng/ul	0.02
57) Fluorene-d10	15.78	176	560838	11.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	46487	4.97	ng/ul	0.00
70) Anthracene-d10	17.65	188	812463	12.38	ng/ul	0.00
76) Pyrene-d10	19.95	212	707917	11.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	640965	11.63	ng/ul	0.03

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	314256	5.81	ng/ul#	97
47) Acenaphthylene	14.52	152	111660	1.74	ng/ul	94
69) Phenanthrene	17.60	178	1066301	14.13	ng/ul	96
71) Anthracene	17.69	178	167643m	2.18	ng/ul	
73) Di-n-butylphthalate	18.50	149	129839	1.67	ng/ul#	96
74) Fluoranthene	19.61	202	1599469	20.71	ng/ul#	94
77) Pyrene	19.98	202	1912373	25.19	ng/ul	97
80) Benzo(a)anthracene	21.86	228	955264	13.81	ng/ul#	90
81) Bis(2-ethylhexyl)phthalate	21.79	149	12273802m	317.00	ng/ul	
82) Chrysene	21.94	228	1082303	17.21	ng/ul#	91
84) Di-n-octyl phthalate	23.02	149	3516058	57.15	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	1100526	15.88	ng/ul	96
86) Benzo(k)fluoranthene	24.27	252	456035m	6.69	ng/ul	
88) Benzo(a)pyrene	25.14	252	917671m	13.72	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.21	276	632950m	8.05	ng/ul	
90) Dibenzo(a,h)anthracene	29.27	278	178104m	2.66	ng/ul	
91) Benzo(g,h,i)perylene	30.45	276	702435m	10.78	ng/ul	

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

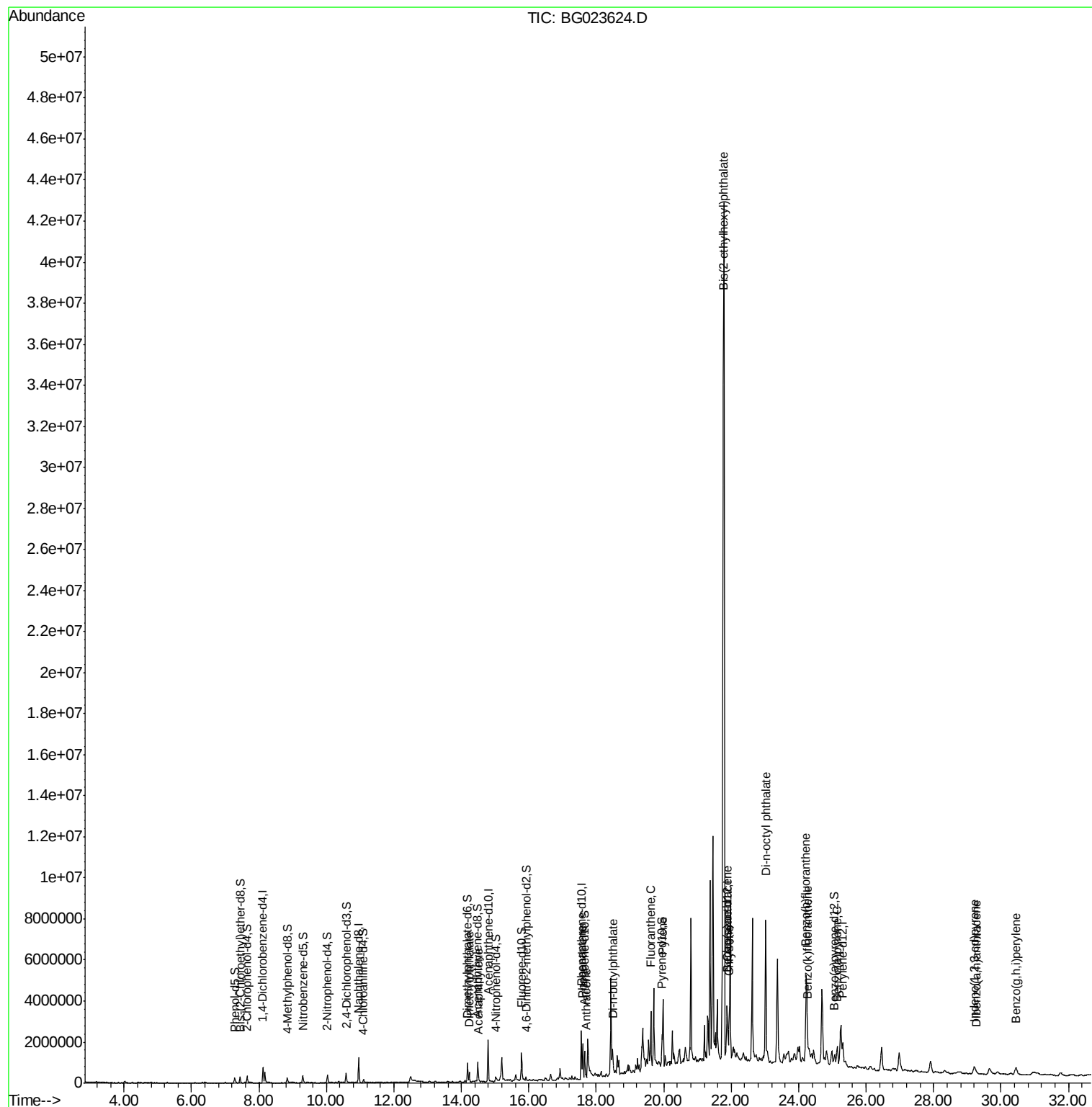
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
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ALS Vial : 5 Sample Multiplier: 1

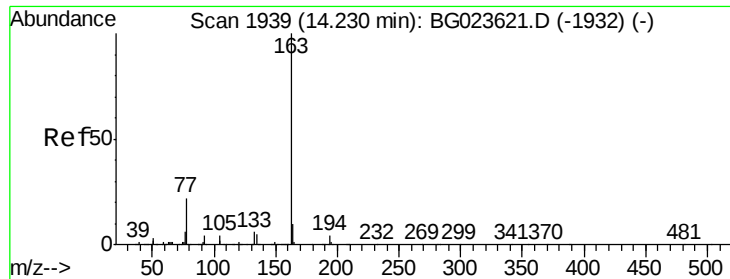
Instrument :
BNA_G
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PR001-SS004-2430-01

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Quant Title : SVOA CALIBRATION
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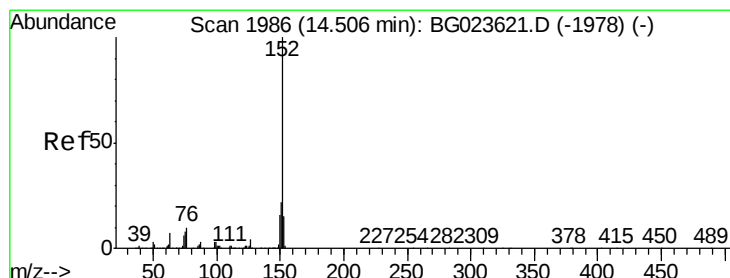
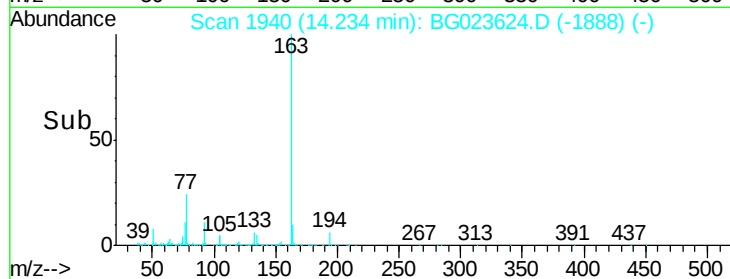
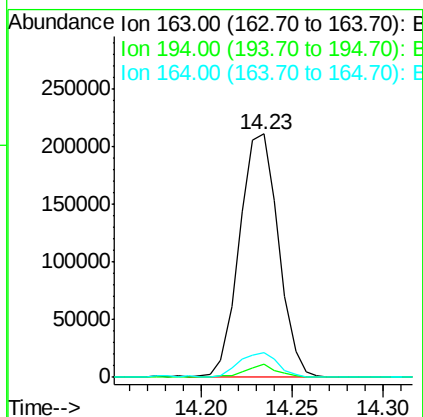
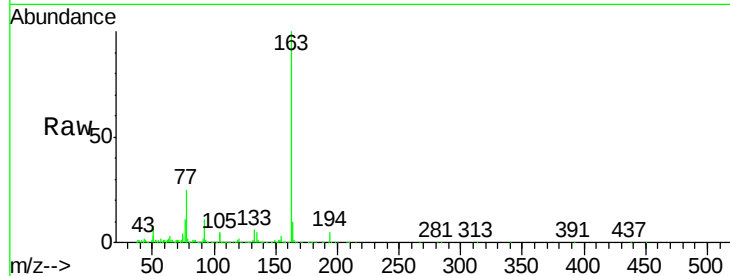
#44
Dimethylphthalate
Concen: 5.81 ng/ul
RT: 14.23 min Scan# 1940
Delta R.T. 0.00 min
Lab File: BG023624.D
Acq: 11 Aug 2016 13:22

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-2430-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	5.5	3.4	5.2#
164	10.2	8.8	13.2

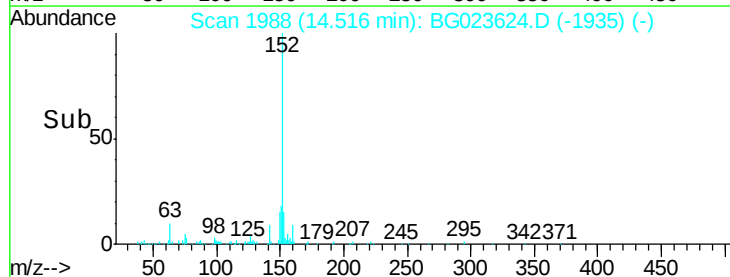
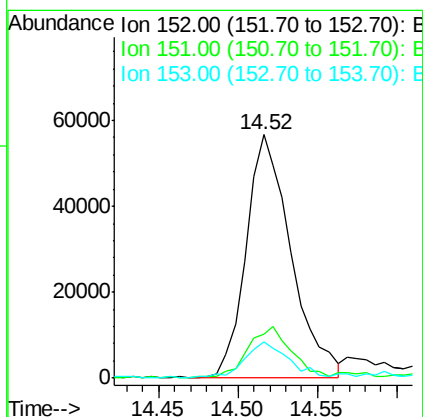
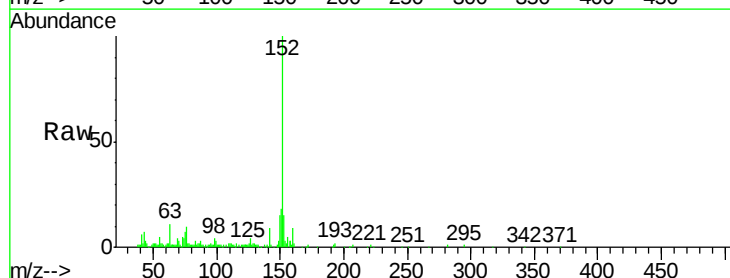
Manual Integrations
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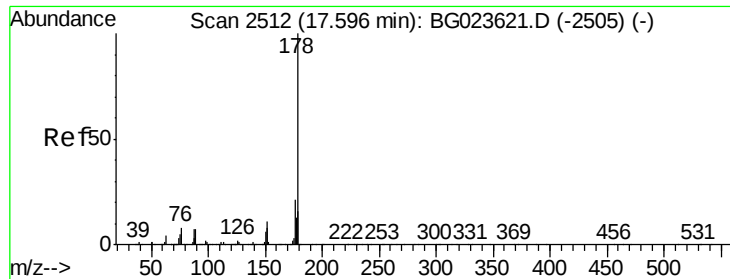
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#47
Acenaphthylene
Concen: 1.74 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BG023624.D
Acq: 11 Aug 2016 13:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	18.0	17.5	26.3
153	14.8	11.1	16.7





#69

Phenanthrene

Concen: 14.13 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

ClientSampleId :

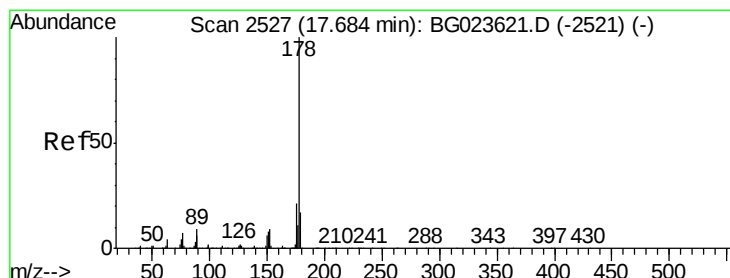
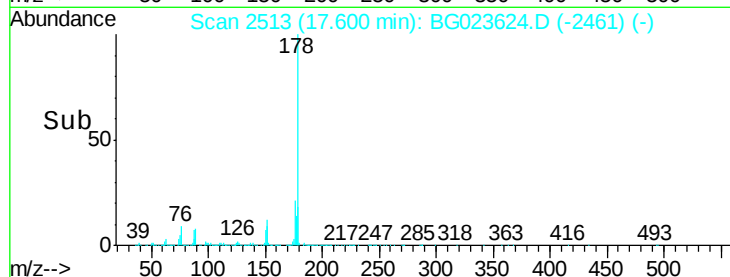
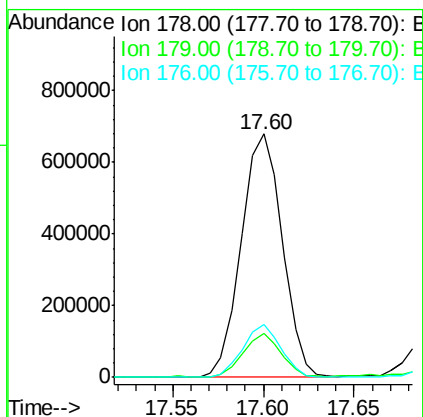
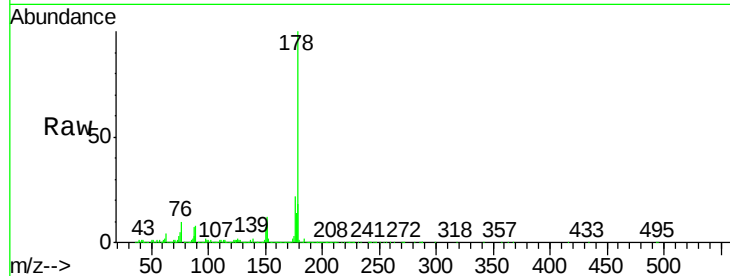
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Tgt Ion:178 Resp: 1066301

Ion	Ratio	Lower	Upper
178	100		
179	18.2	12.9	19.3
176	21.5	15.8	23.8

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#71

Anthracene

Concen: 2.18 ng/ul m

RT: 17.69 min Scan# 2528

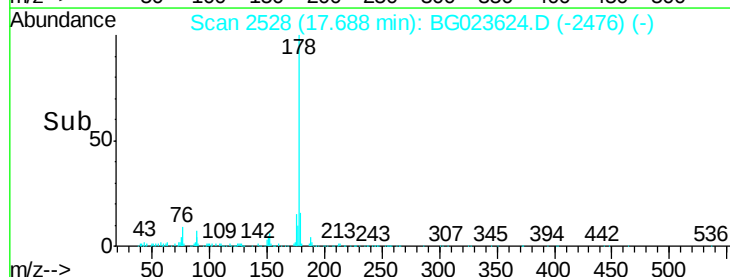
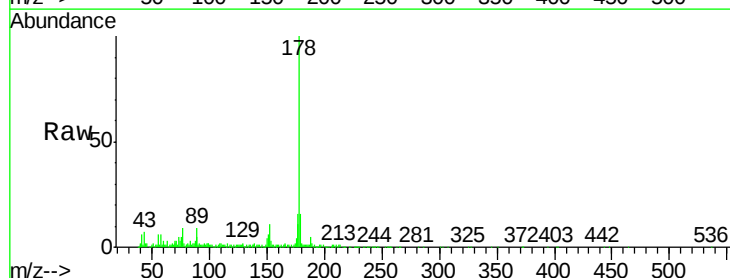
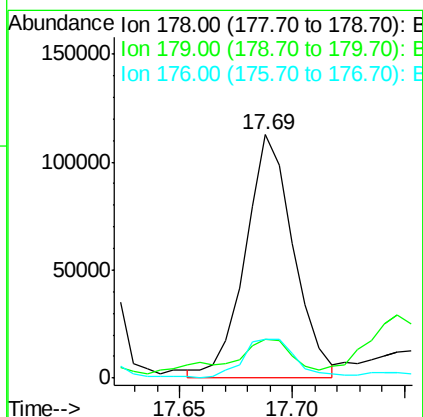
Delta R.T. 0.00 min

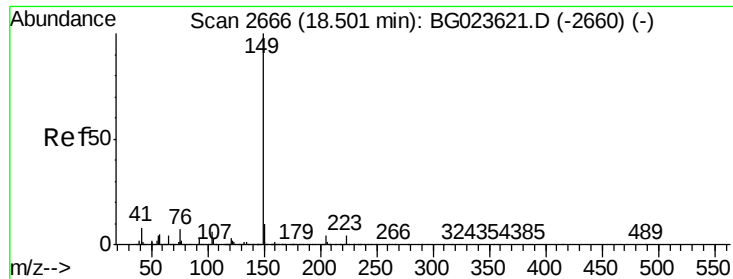
Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Tgt Ion:178 Resp: 167643

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	15.9	16.3	24.5#





#73

Di-n-butylphthalate

Concen: 1.67 ng/ul

RT: 18.50 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

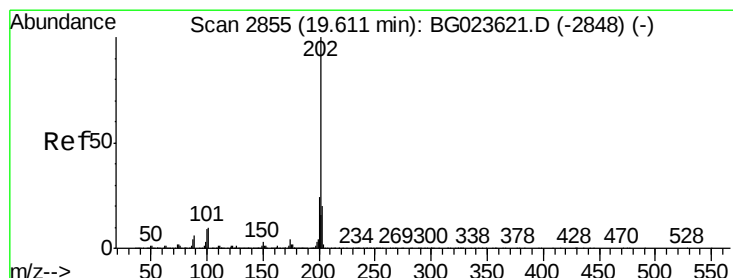
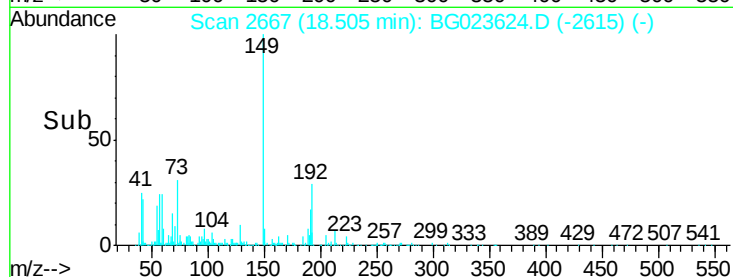
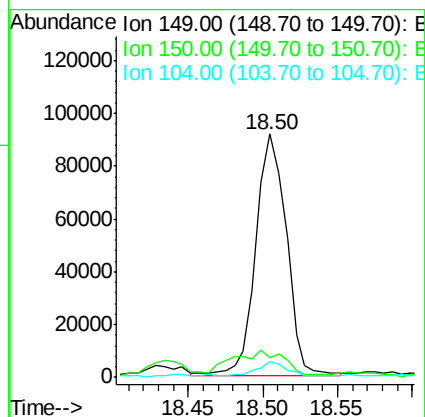
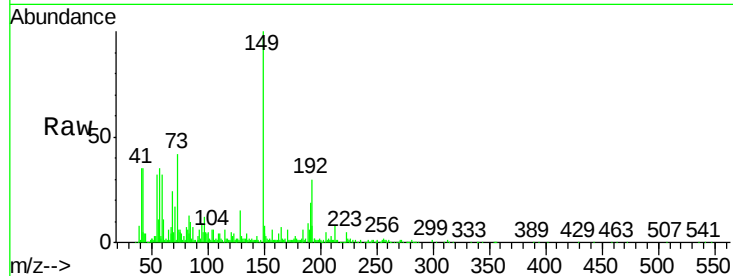
ClientSampleId :

PR001-SS004-2430-01

Tgt Ion:	149	Resp:	129839
Ion Ratio	Lower	Upper	
149	100		
150	7.9	7.1	10.7
104	6.5	3.3	4.9#

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#74

Fluoranthene

Concen: 20.71 ng/ul

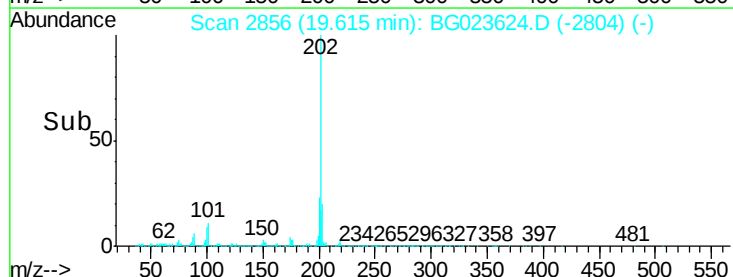
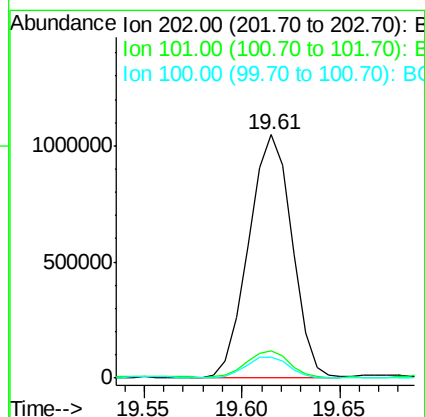
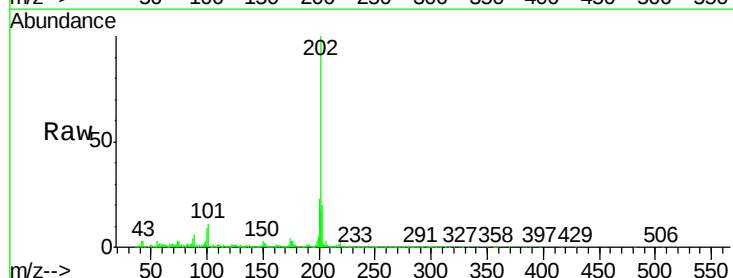
RT: 19.61 min Scan# 2856

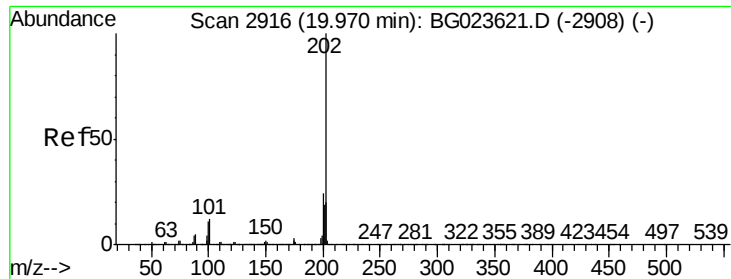
Delta R.T. 0.00 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Tgt Ion:	202	Resp:	1599469
Ion Ratio	Lower	Upper	
202	100		
101	11.0	10.6	16.0
100	8.6	8.7	13.1#





#77

Pyrene

Concen: 25.19 ng/ul

RT: 19.98 min Scan# 2918

Delta R.T. 0.01 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

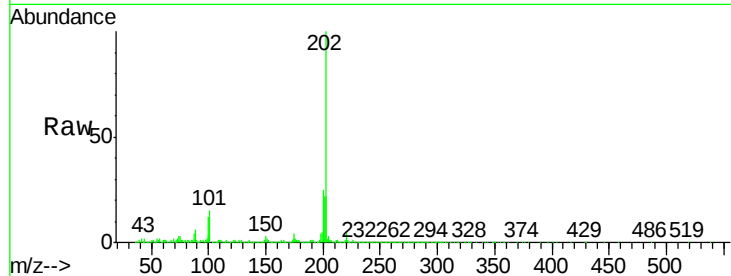
ClientSampleId :

PR001-SS004-2430-01

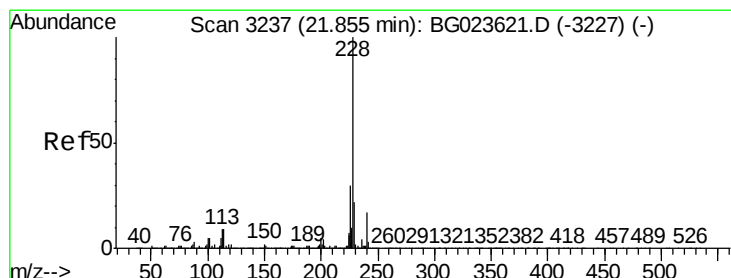
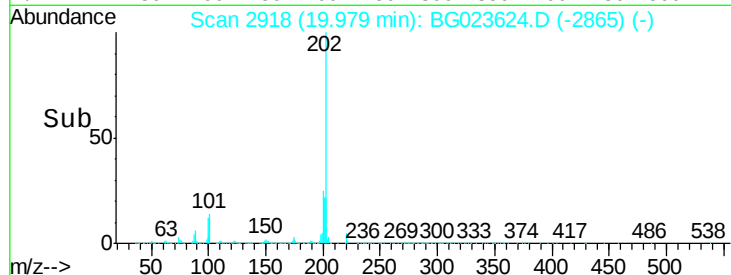
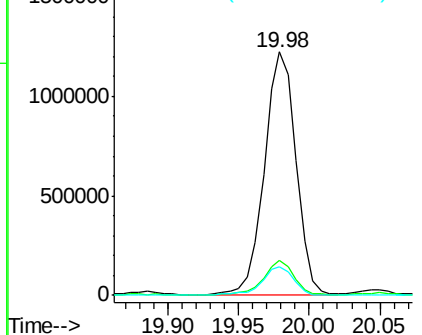
Tgt	Ion	202	Resp	1912373
Ion	Ratio	Lower	Upper	
202	100			
101	14.5	12.5	18.7	
100	11.7	10.2	15.4	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 13.81 ng/ul

RT: 21.86 min Scan# 3239

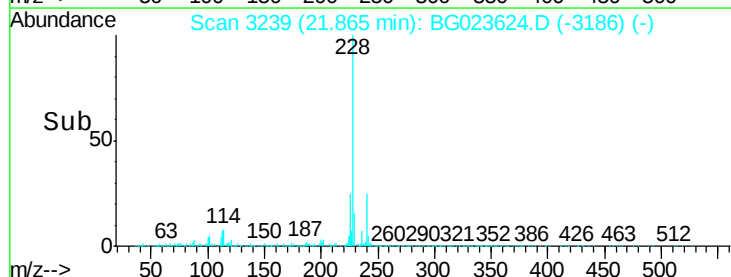
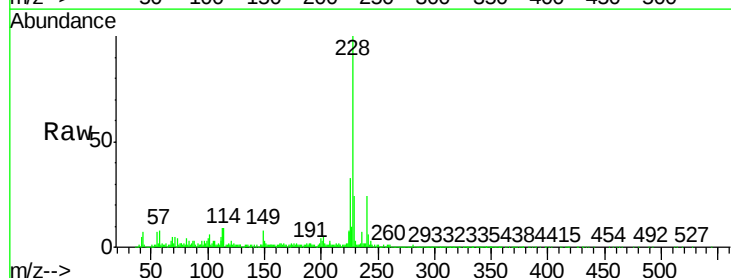
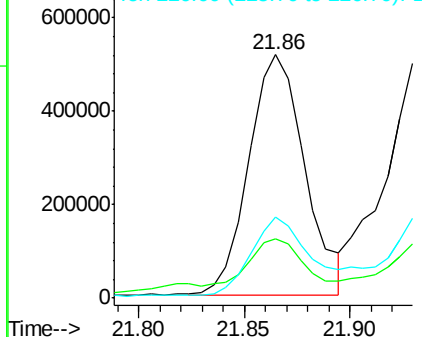
Delta R.T. 0.01 min

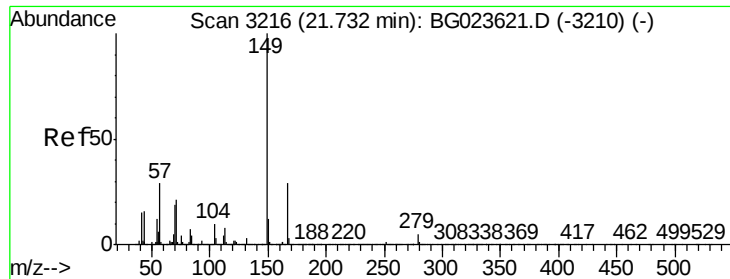
Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Tgt	Ion	228	Resp	955264
Ion	Ratio	Lower	Upper	
228	100			
229	24.4	15.4	23.2#	
226	33.1	22.8	34.2	

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 317.00 ng/ul m

RT: 21.79 min Scan# 3226

Delta R.T. 0.06 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

ClientSampleId :

PR001-SS004-2430-01

Tgt Ion:149 Resp:12273802

Ion Ratio Lower Upper

149 100

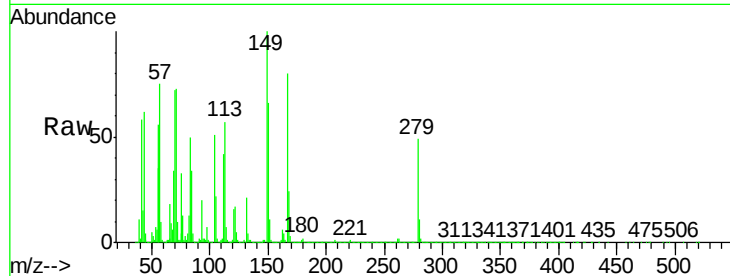
167 80.4 21.9 32.9#

279 49.1 2.9 4.3#

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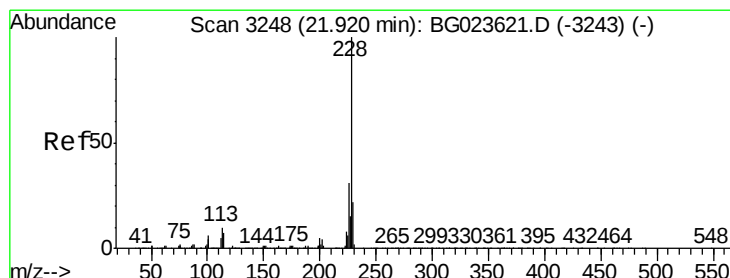
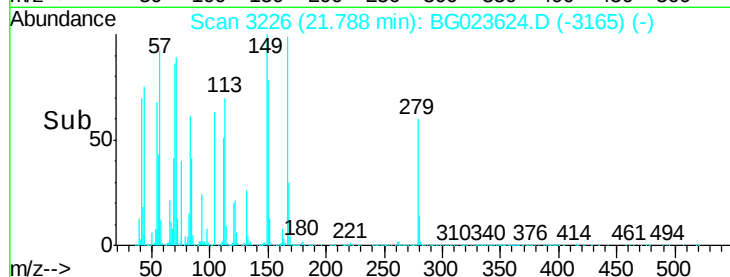
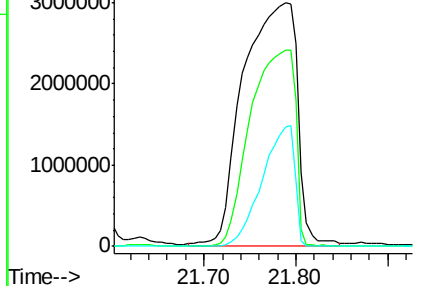
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 17.21 ng/ul

RT: 21.94 min Scan# 3251

Delta R.T. 0.02 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Tgt Ion:228 Resp: 1082303

Ion Ratio Lower Upper

228 100

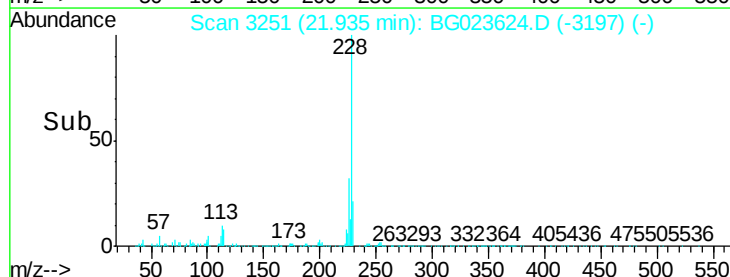
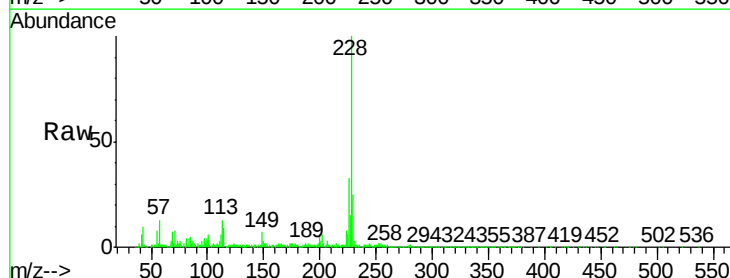
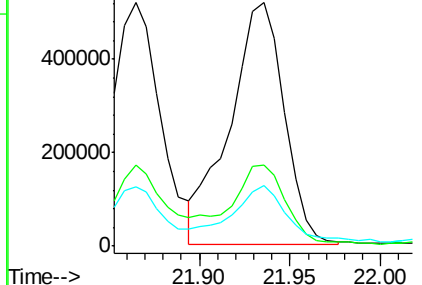
226 33.5 24.2 36.4

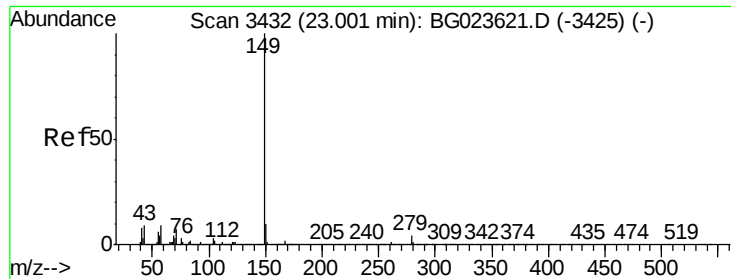
229 24.7 15.0 22.6#

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 57.15 ng/ul

RT: 23.02 min Scan# 3436

Delta R.T. 0.02 min

Lab File: BG023624.D

Acq: 11 Aug 2016 13:22

Instrument :

BNA_G

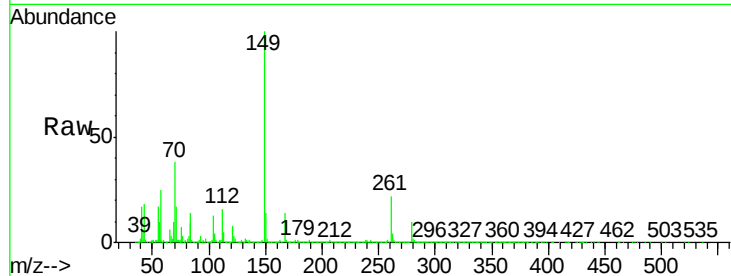
ClientSampleId :

PR001-SS004-2430-01

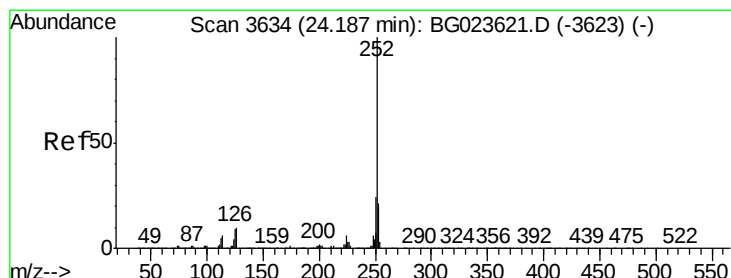
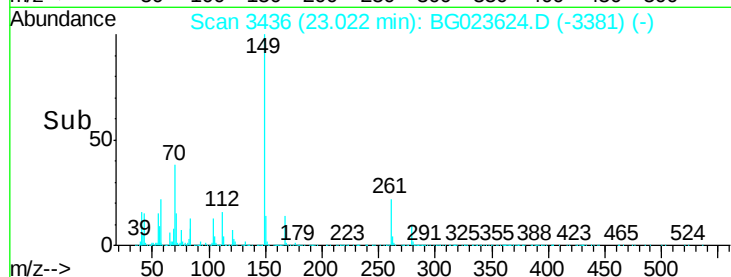
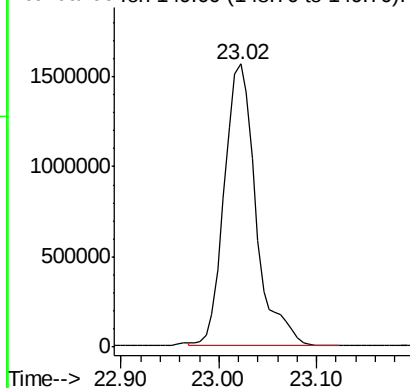
Tgt Ion:149 Resp: 3516058

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Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 15.88 ng/ul

RT: 24.21 min Scan# 3639

Delta R.T. 0.03 min

Lab File: BG023624.D

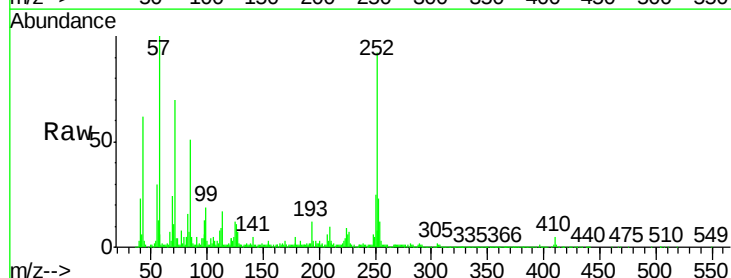
Acq: 11 Aug 2016 13:22

Tgt Ion:252 Resp: 1100526

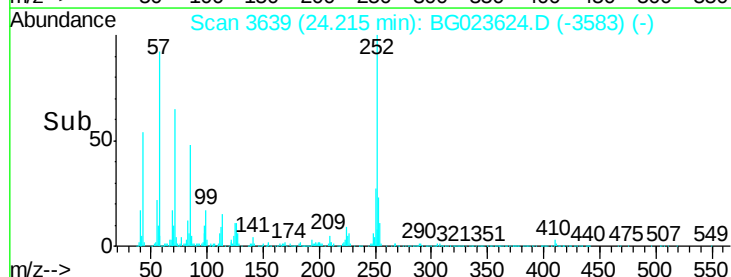
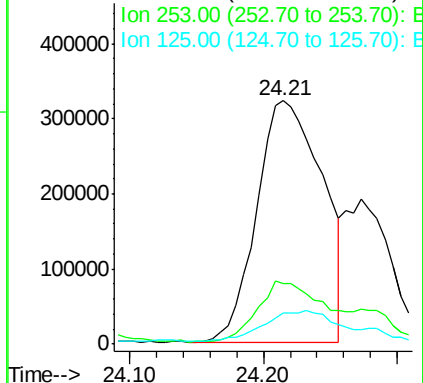
Ion	Ratio	Lower	Upper
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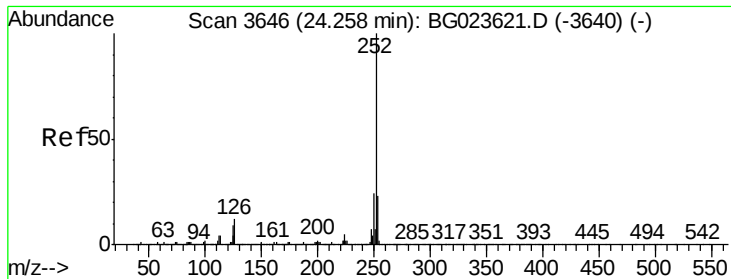
253	24.9	18.2	27.2
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125	12.6	10.8	16.2
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Abundance Ion 252.00 (251.70 to 252.70): E





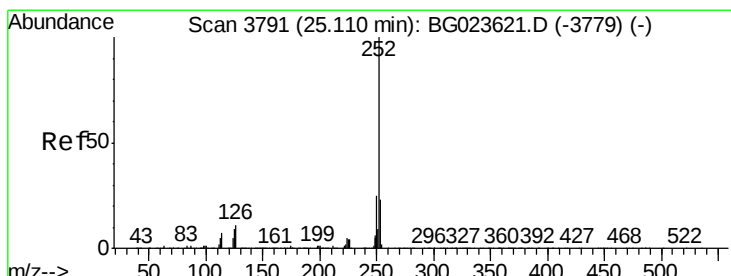
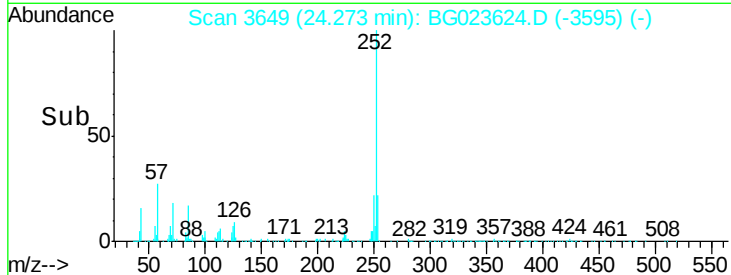
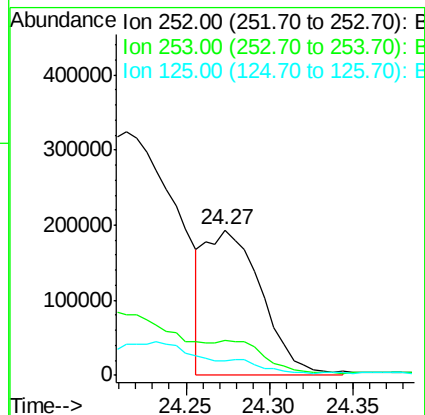
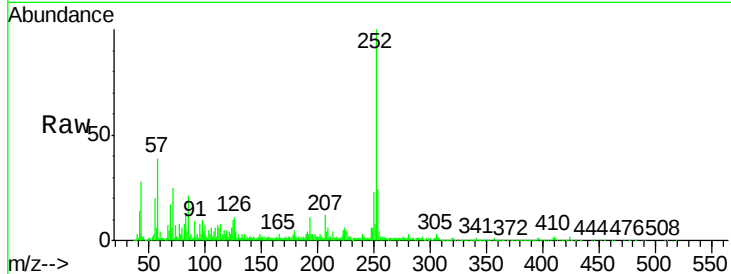
#86
Benzo(k)fluoranthene
Concen: 6.69 ng/ul m
RT: 24.27 min Scan# 3649
Delta R.T. 0.02 min
Lab File: BG023624.D
Acq: 11 Aug 2016 13:22

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-2430-01

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.2	15.8	23.6#
125	9.9	10.6	16.0#

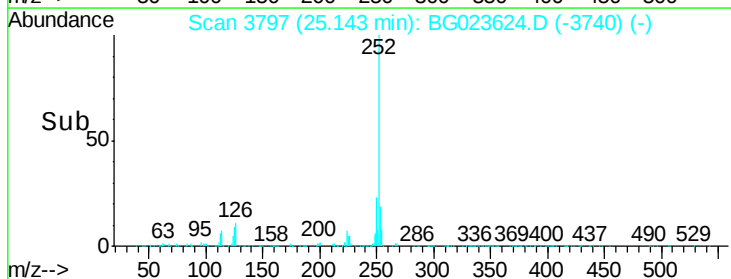
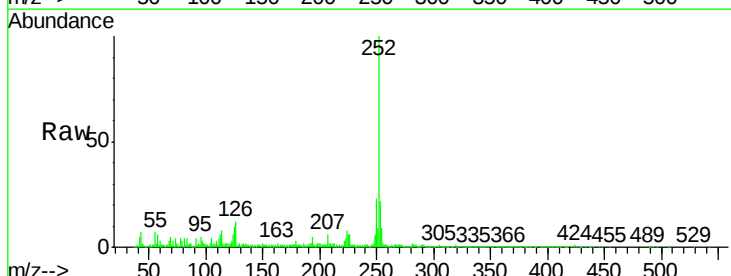
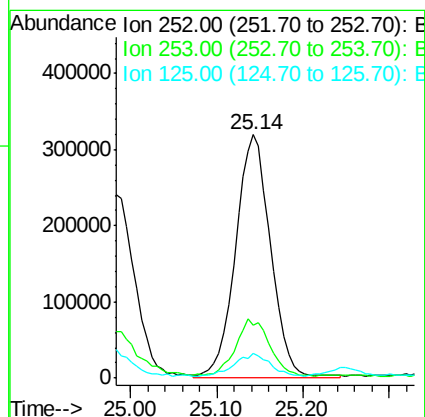
Manual Integrations
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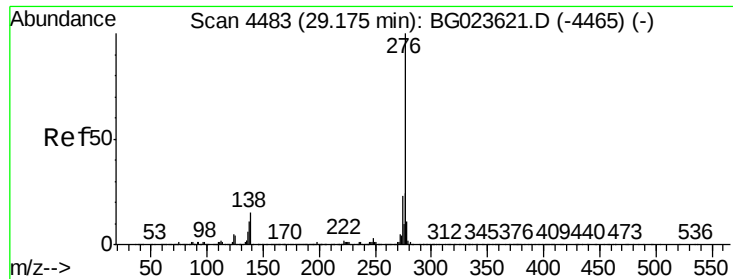
sohil
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#88
Benzo(a)pyrene
Concen: 13.72 ng/ul m
RT: 25.14 min Scan# 3797
Delta R.T. 0.03 min
Lab File: BG023624.D
Acq: 11 Aug 2016 13:22

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	19.0	28.4
125	10.3	12.0	18.0#





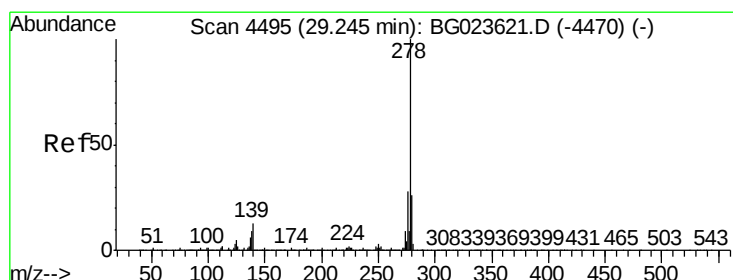
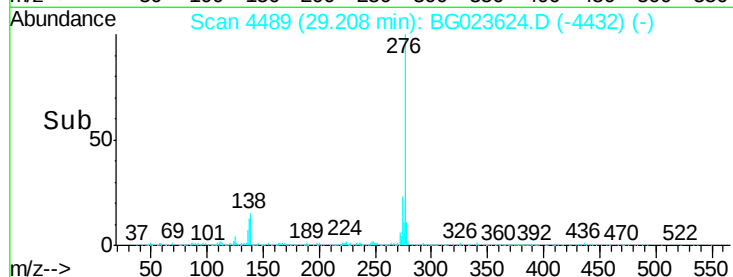
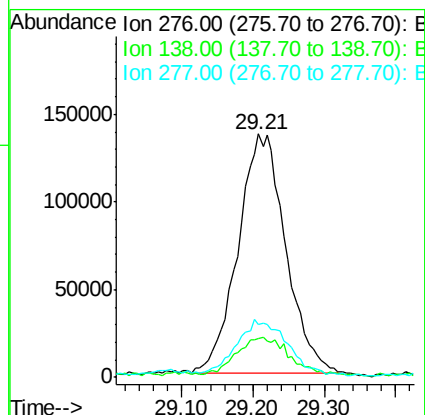
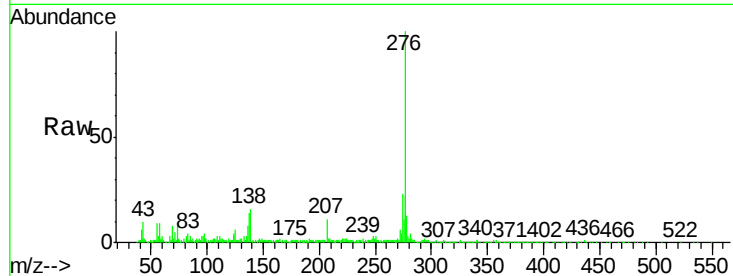
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 8.05 ng/ul m
 RT: 29.21 min Scan# 4489
 Delta R.T. 0.03 min
 Lab File: BG023624.D
 Acq: 11 Aug 2016 13:22

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-2430-01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.8	20.8	31.2#
277	21.7	17.6	26.4

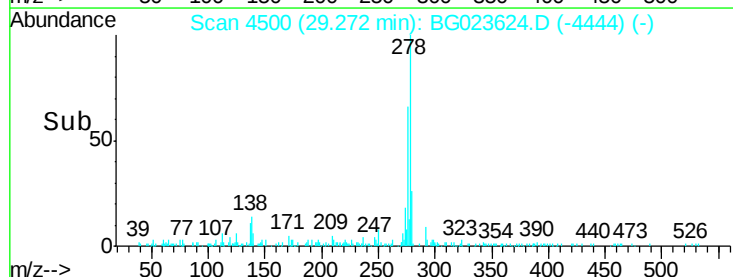
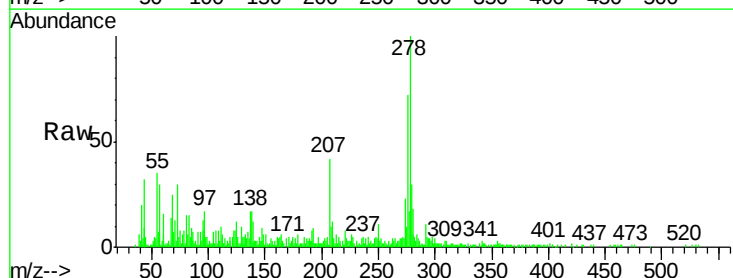
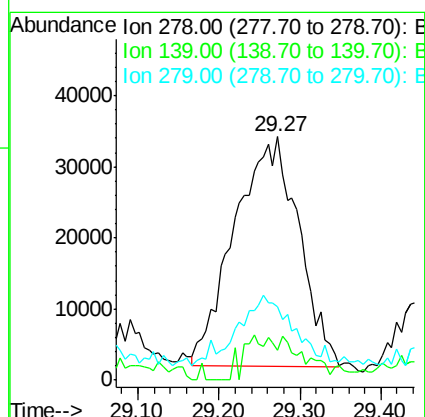
Manual Integrations
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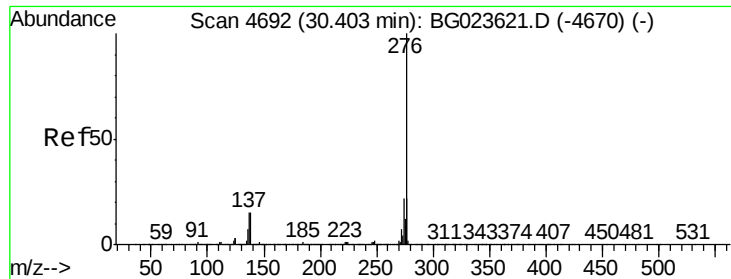
sohil
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#90
 Dibenzo(a,h)anthracene
 Concen: 2.66 ng/ul m
 RT: 29.27 min Scan# 4500
 Delta R.T. 0.03 min
 Lab File: BG023624.D
 Acq: 11 Aug 2016 13:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.1	16.3	24.5#
279	30.4	19.1	28.7#





#91
 Benzo(g,h,i)perylene
 Concen: 10.78 ng/ul m
 RT: 30.45 min Scan# 4700
 Delta R.T. 0.04 min
 Lab File: BG023624.D
 Acq: 11 Aug 2016 13:22

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-2430-01

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	15.3	22.1	33.1#	
277	26.3	17.0	25.4#	

Manual Integrations
 APPROVED

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