

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
 Data File : BG024934.D
 Acq On : 28 Nov 2016 12:51
 Operator : UM/SJ
 Sample : H5701-08DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 A4WD5DL

Manual Integrations
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Quant Time: Nov 28 17:49:38 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG112316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 25 02:47:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	77135	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	353096	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	294948	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	636831	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	770155	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	804804	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	264	0.16	ng/uL	0.00
5) Phenol-d5	7.40	99	6084	0.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.57	67	5008	1.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.78	132	4560	0.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	6559	1.07	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	3586	1.29	ng/ul	0.00
22) 2-Nitrophenol-d4	10.16	143	3195	0.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	7728	1.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	5251	0.72	ng/ul	0.02
43) Dimethylphthalate-d6	14.26	166	39302	1.81	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	39830	1.67	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	4130	1.08	ng/ul	0.00
57) Fluorene-d10	15.85	176	37614	1.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	3607	0.80	ng/ul	0.00
70) Anthracene-d10	17.71	188	63907	2.21	ng/ul	0.00
76) Pyrene-d10	19.98	212	79879	2.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	77313	2.16	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.13	128	62705	3.64	ng/ul	97
34) 2-Methylnaphthalene	12.72	142	19353	1.38	ng/ul	97
49) Acenaphthene	14.94	153	139210	8.77	ng/ul	97
53) Dibenzofuran	15.26	168	129337	5.25	ng/ul	96
58) Fluorene	15.91	166	142876	7.07	ng/ul	91
69) Phenanthrene	17.66	178	1874719	57.23	ng/ul	98
71) Anthracene	17.74	178	466200	13.83	ng/ul	97
72) Carbazole	18.01	167	227280	8.16	ng/ul	97
74) Fluoranthene	19.65	202	2204909	58.35	ng/ul	100
77) Pyrene	20.01	202	1825691	45.74	ng/ul	98
80) Benzo(a)anthracene	21.89	228	1045419	24.70	ng/ul	99
82) Chrysene	21.96	228	961855	24.10	ng/ul	99
85) Benzo(b)fluoranthene	24.24	252	1149318	26.78	ng/ul#	95
86) Benzo(k)fluoranthene	24.29	252	394250m	9.60	ng/ul	
88) Benzo(a)pyrene	25.17	252	827310	19.83	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.27	276	567072	11.08	ng/ul	98
90) Dibenzo(a,h)anthracene	29.30	278	149640	3.51	ng/ul	97
91) Benzo(g,h,i)perylene	30.50	276	450345	10.69	ng/ul	94

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

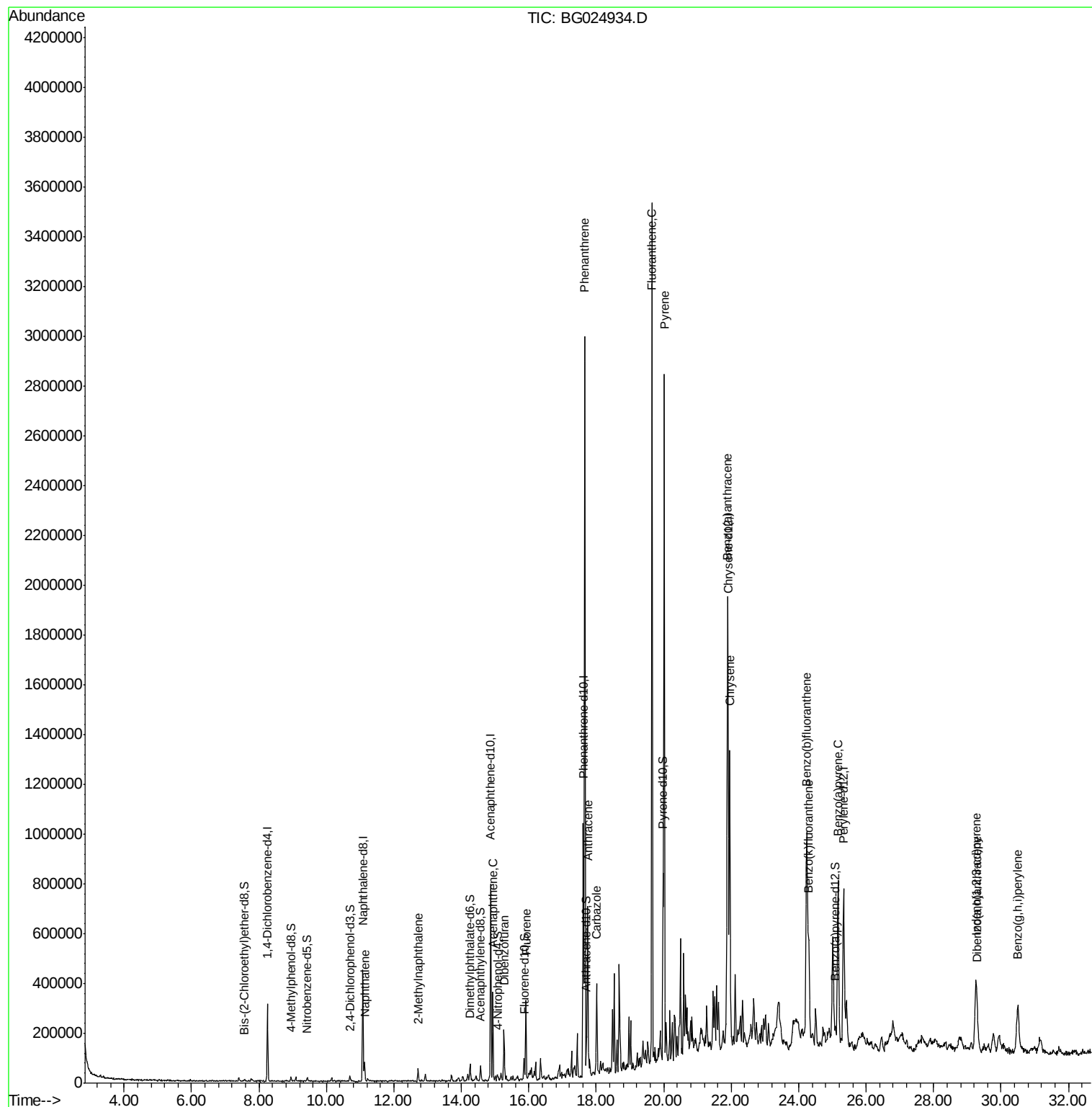
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
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ALS Vial : 3 Sample Multiplier: 1

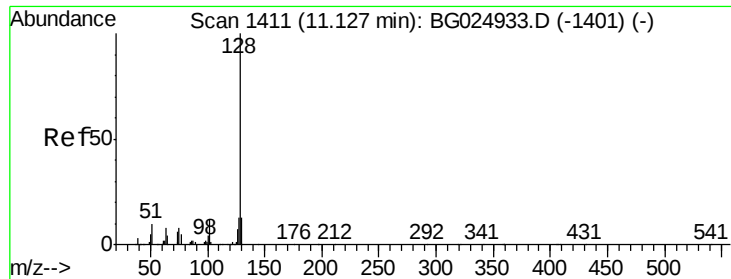
Instrument :
BNA_G
ClientSampleId :
A4WD5DL

Manual Integrations
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Quant Title : SVOA CALIBRATION
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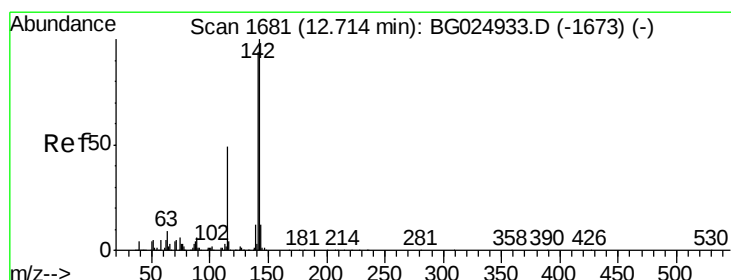
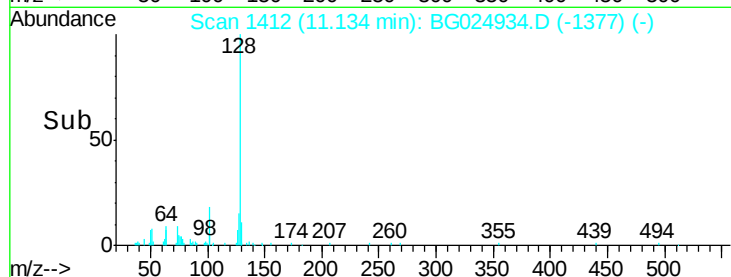
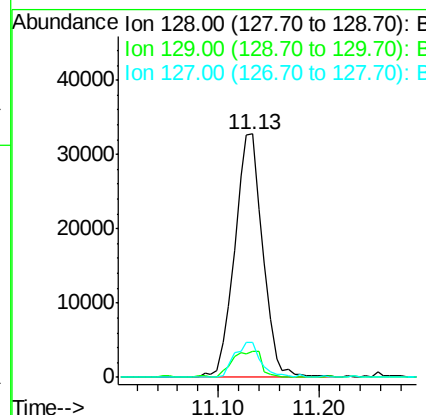
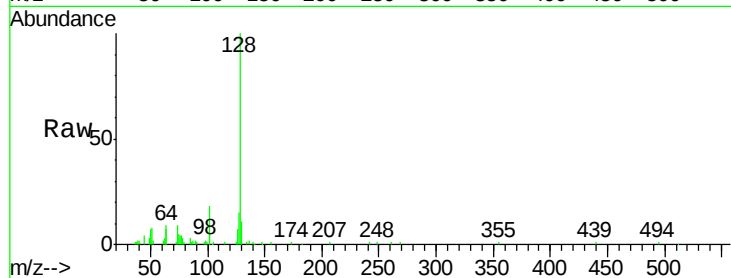
#28
Naphthalene
Concen: 3.64 ng/ul
RT: 11.13 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Instrument :
BNA_G
ClientSampleId :
A4WD5DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.4	14.2
127	14.5	10.3	15.5

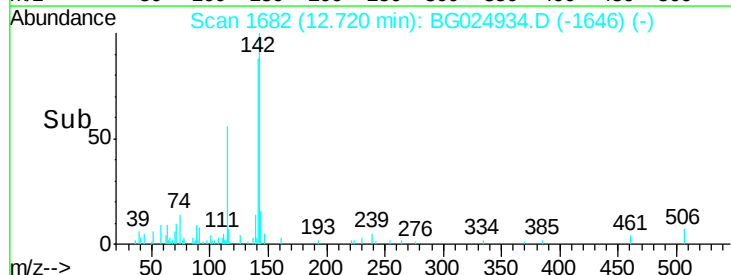
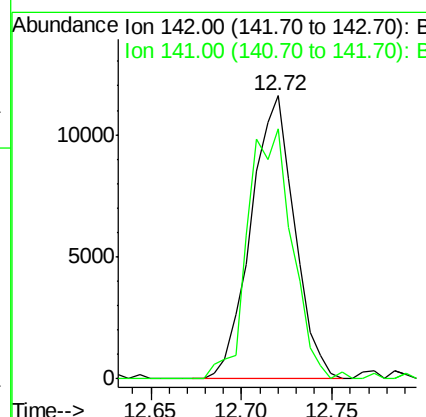
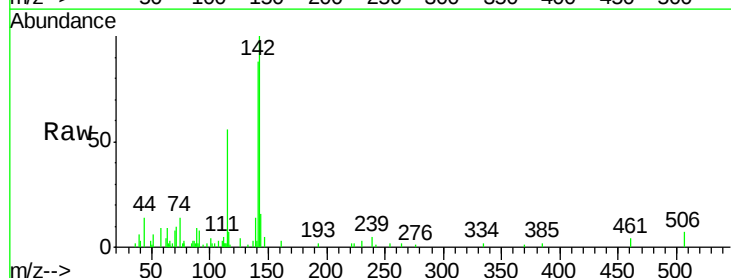
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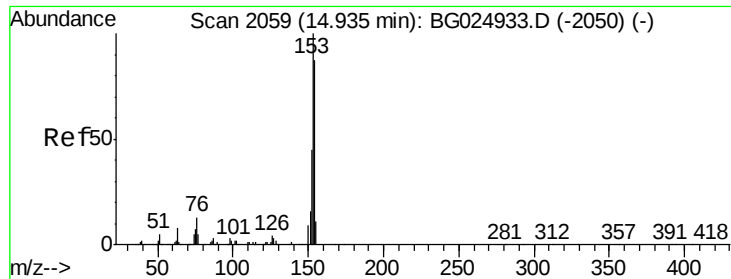
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#34
2-Methylnaphthalene
Concen: 1.38 ng/ul
RT: 12.72 min Scan# 1682
Delta R.T. 0.01 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	68.6	102.8





#49

Acenaphthene

Concen: 8.77 ng/ul

RT: 14.94 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BG024934.D

Acq: 28 Nov 2016 12:51

Instrument :

BNA_G

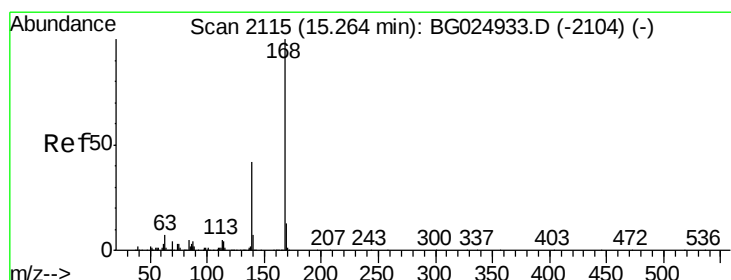
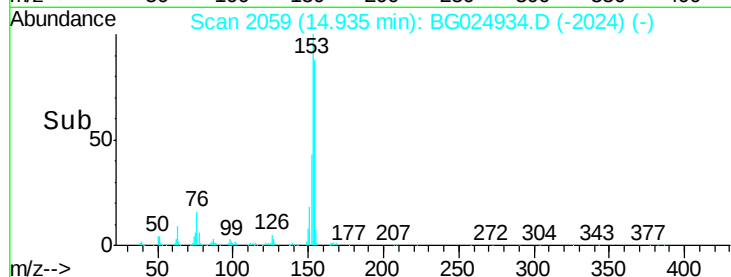
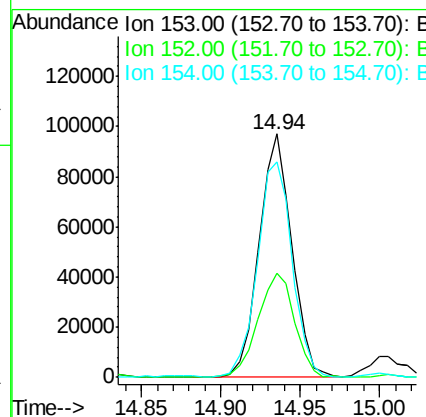
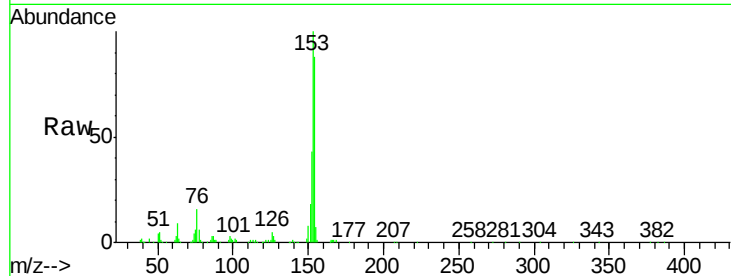
ClientSampleId :

A4WD5DL

Tot Ion:	153	Resp:	139210
Ion Ratio	Lower	Upper	
153	100		
152	42.9	36.5	54.7
154	88.3	72.3	108.5

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#53

Dibenzofuran

Concen: 5.25 ng/ul

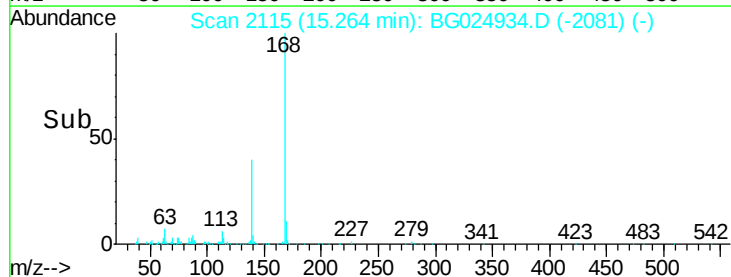
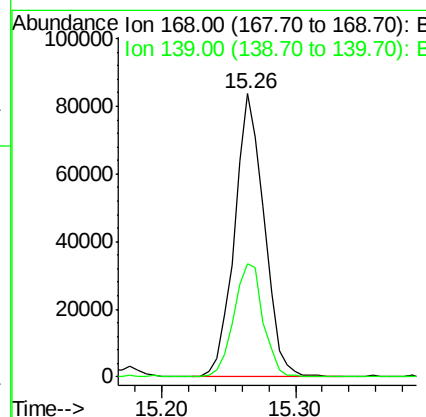
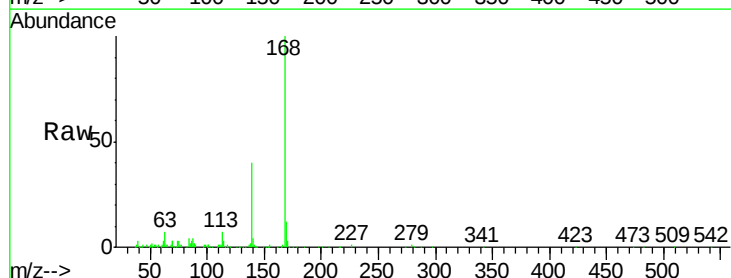
RT: 15.26 min Scan# 2115

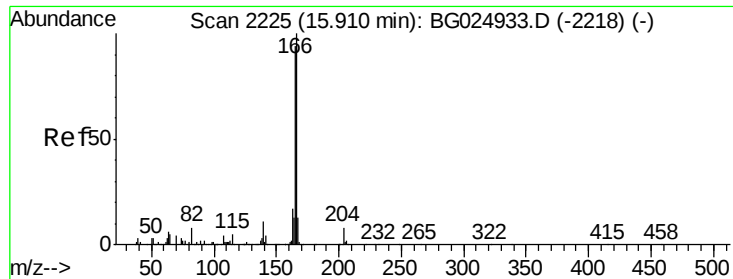
Delta R.T. -0.00 min

Lab File: BG024934.D

Acq: 28 Nov 2016 12:51

Tgt Ion:	168	Resp:	129337
Ion Ratio	Lower	Upper	
168	100		
139	39.8	33.8	50.8





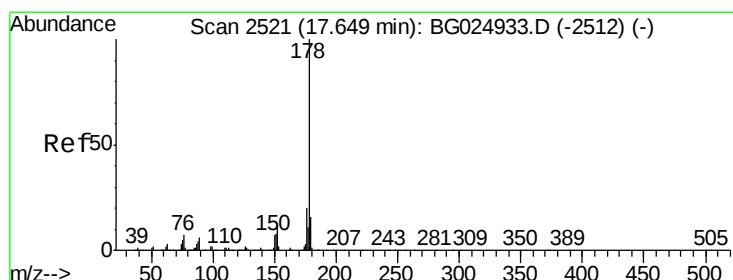
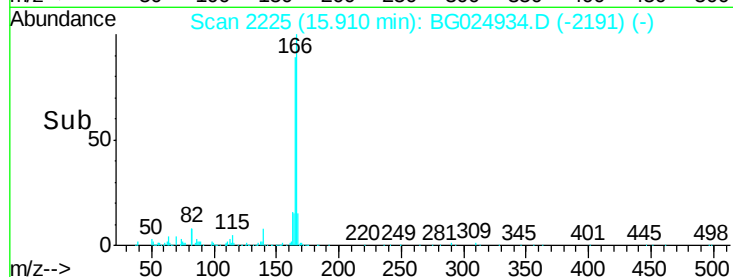
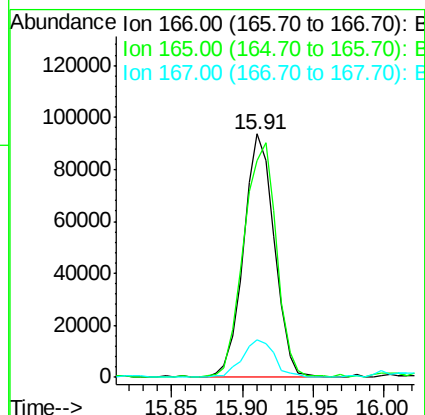
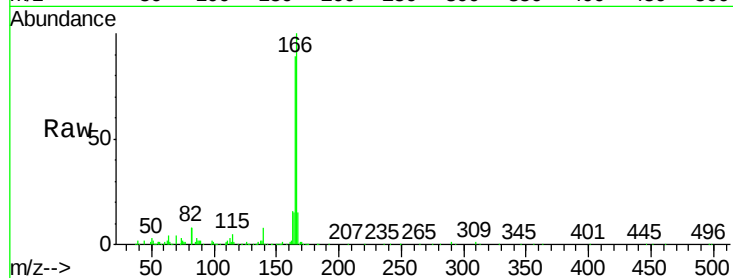
#58
Fluorene
Concen: 7.07 ng/ul
RT: 15.91 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Instrument :
BNA_G
ClientSampleId :
A4WD5DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	89.2	79.7	119.5
167	15.2	11.4	17.2

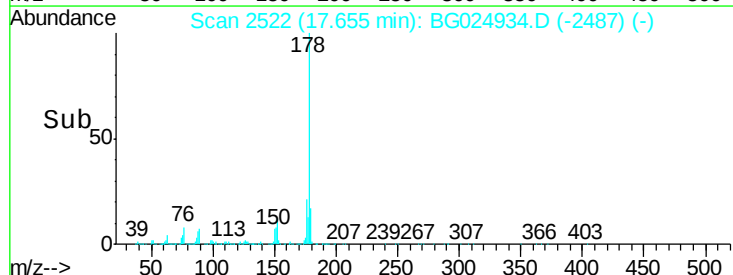
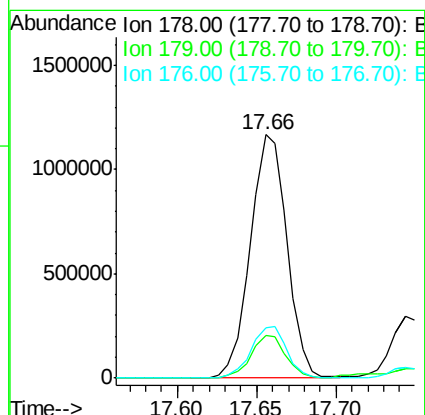
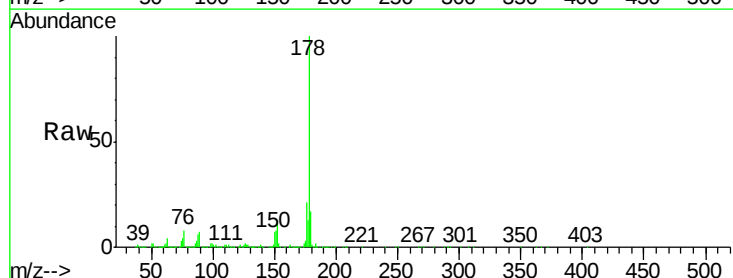
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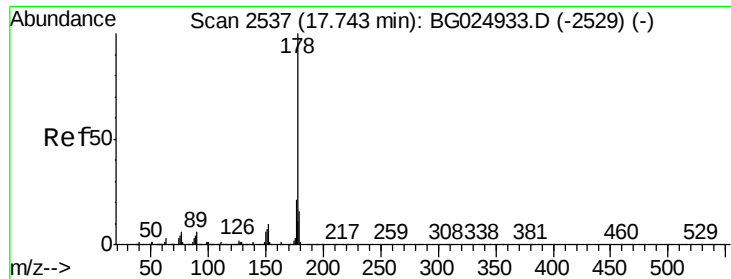
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#69
Phenanthrene
Concen: 57.23 ng/ul
RT: 17.66 min Scan# 2522
Delta R.T. 0.00 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.4	18.6
176	20.8	16.5	24.7





#71

Anthracene

Concen: 13.83 ng/ul

RT: 17.74 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BG024934.D

Acq: 28 Nov 2016 12:51

Instrument :

BNA_G

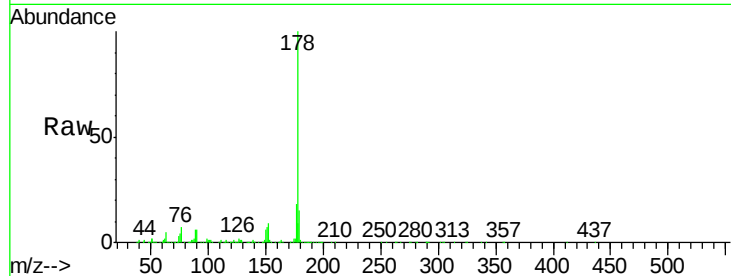
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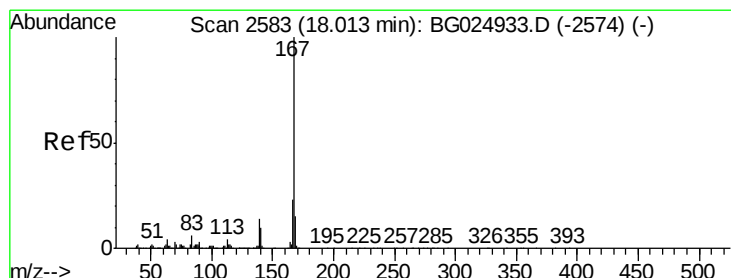
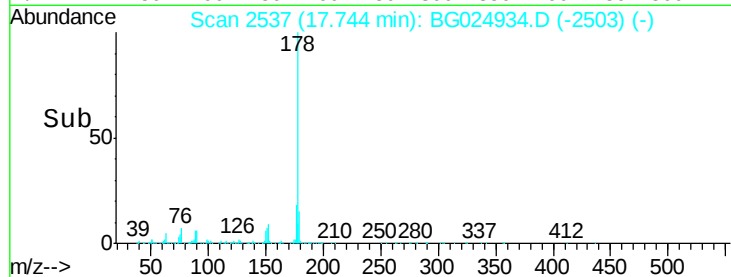
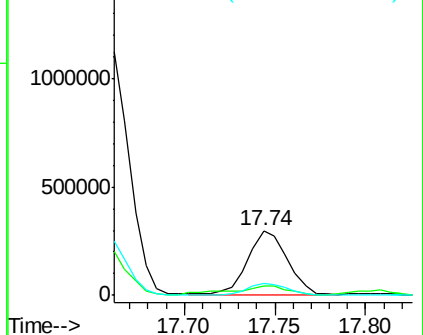
Tot Ion:	178	Resp:	466200
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.6	19.0
176	17.9	15.9	23.9

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 8.16 ng/ul

RT: 18.01 min Scan# 2583

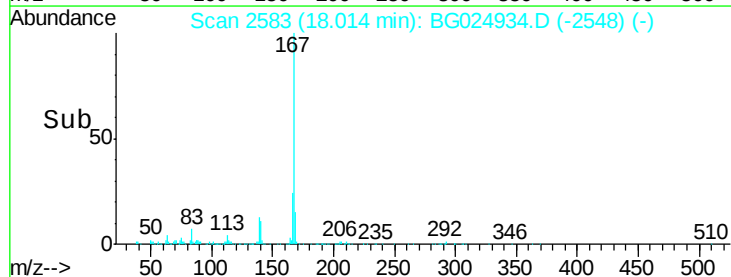
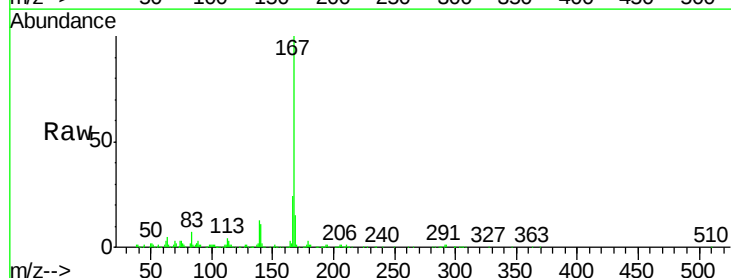
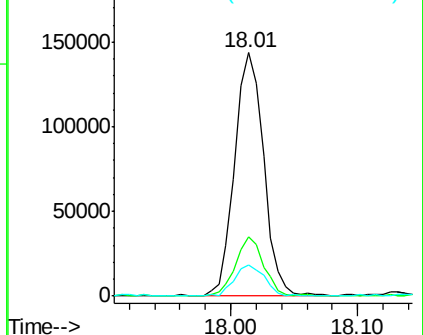
Delta R.T. 0.00 min

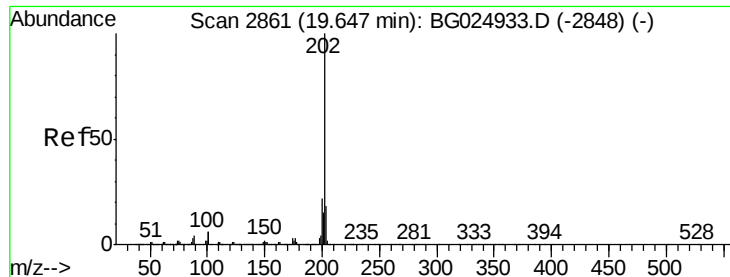
Lab File: BG024934.D

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Tgt Ion:	167	Resp:	227280
Ion Ratio	Lower	Upper	
167	100		
166	24.3	17.9	26.9
139	12.8	10.5	15.7

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 58.35 ng/ul

RT: 19.65 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG024934.D

Acq: 28 Nov 2016 12:51

Instrument :

BNA_G

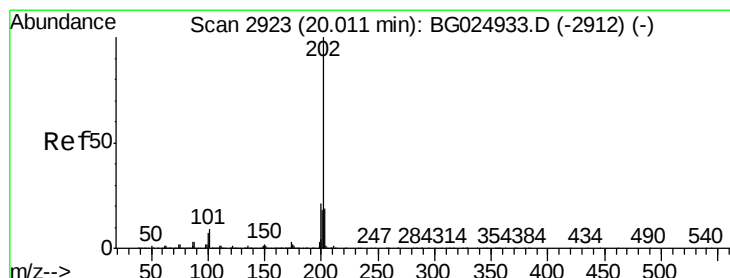
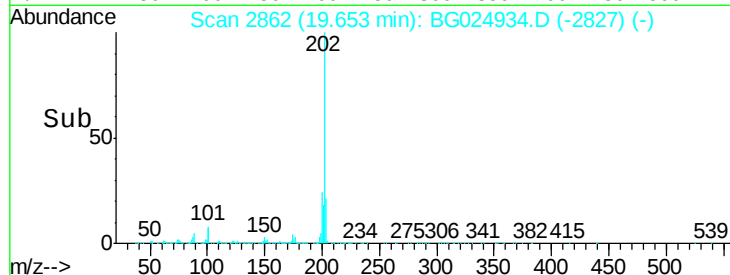
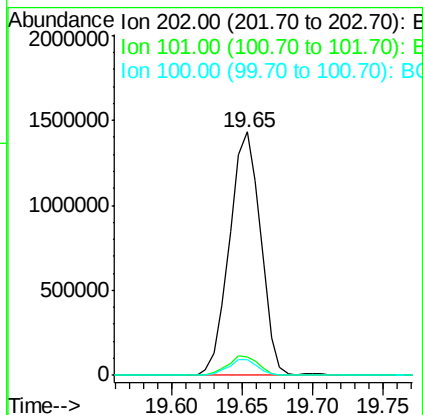
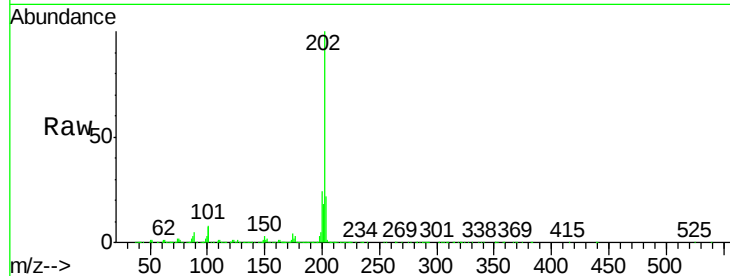
ClientSampleId :

A4WD5DL

Tot Ion:	202	Resp:	2204909
Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.2	9.2
100	6.7	5.2	7.8

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#77

Pyrene

Concen: 45.74 ng/ul

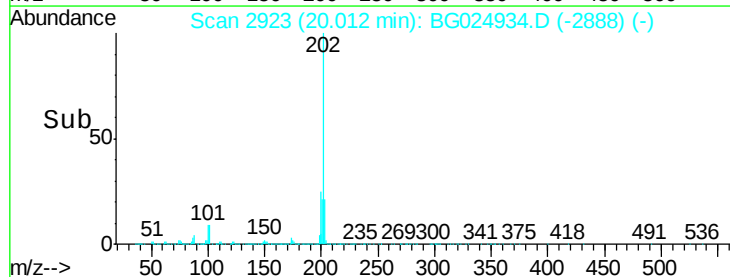
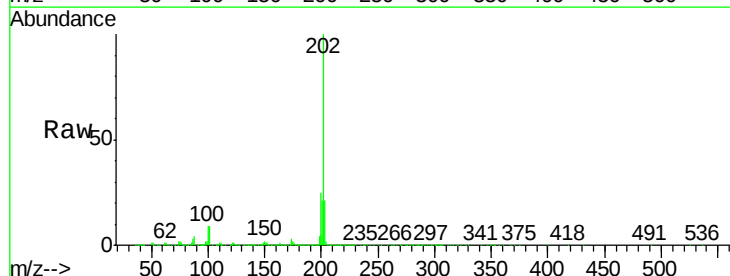
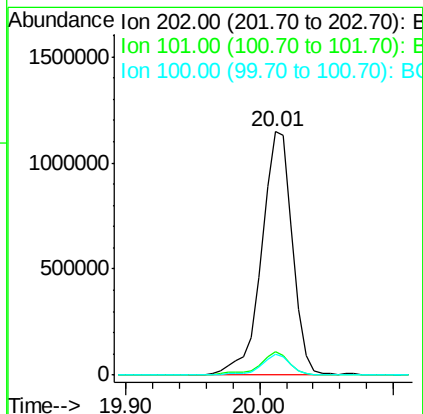
RT: 20.01 min Scan# 2923

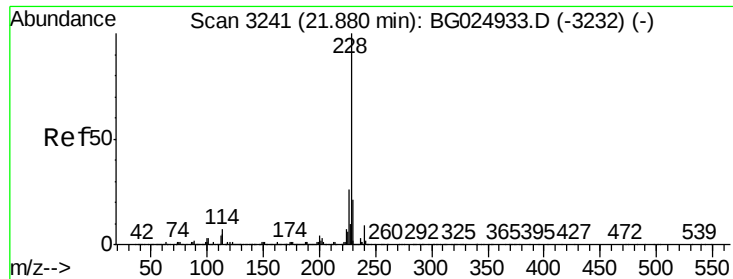
Delta R.T. 0.00 min

Lab File: BG024934.D

Acq: 28 Nov 2016 12:51

Tgt Ion:	202	Resp:	1825691
Ion	Ratio	Lower	Upper
202	100		
101	9.4	6.9	10.3
100	8.8	6.6	10.0





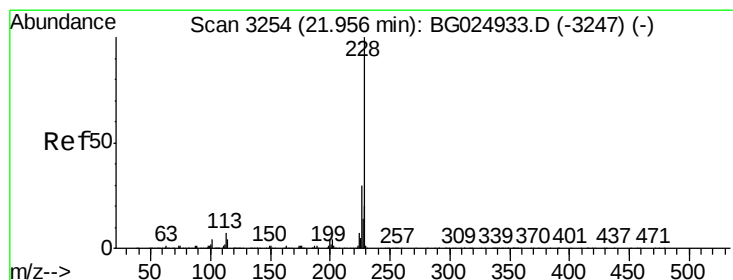
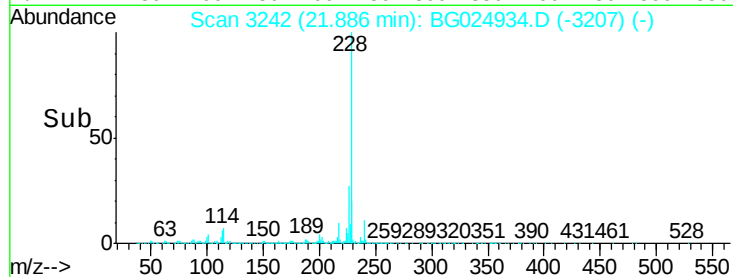
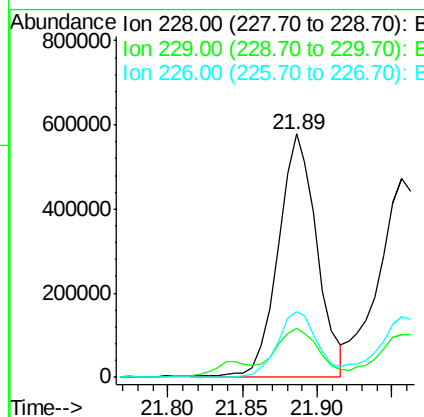
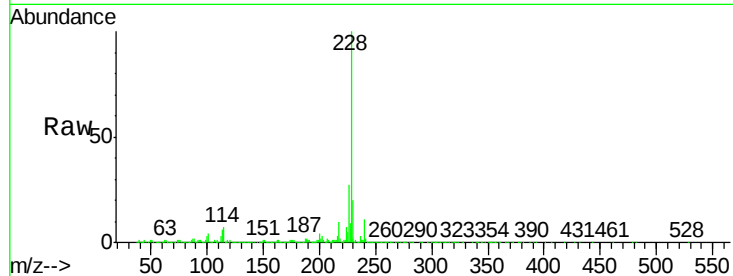
#80
Benzo(a)anthracene
Concen: 24.70 ng/ul
RT: 21.89 min Scan# 3242
Delta R.T. 0.00 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Instrument :
BNA_G
ClientSampleId :
A4WD5DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.1	16.3	24.5
226	27.1	21.9	32.9

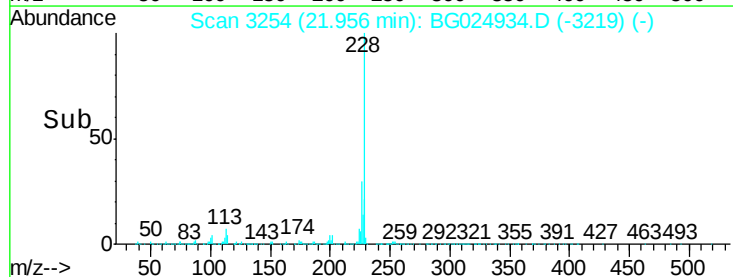
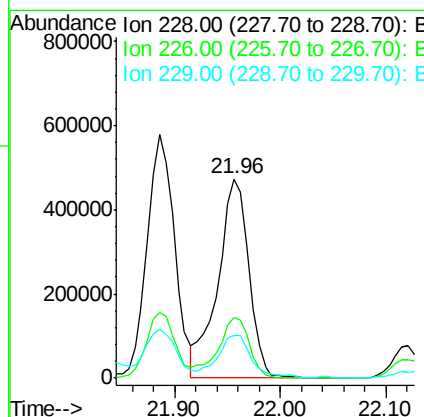
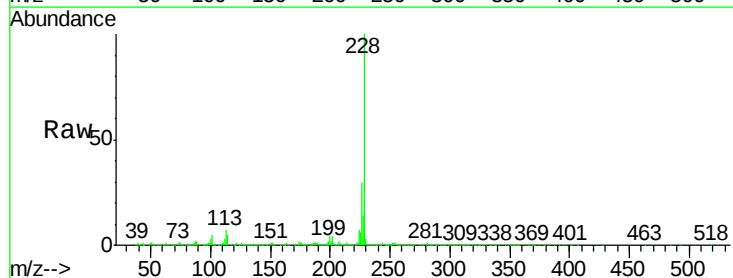
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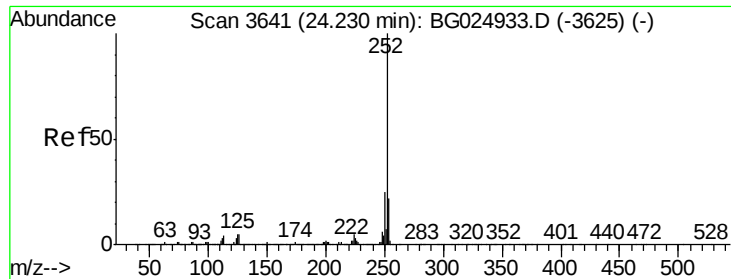
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#82
Chrysene
Concen: 24.10 ng/ul
RT: 21.96 min Scan# 3254
Delta R.T. 0.00 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	21.6	16.9	25.3





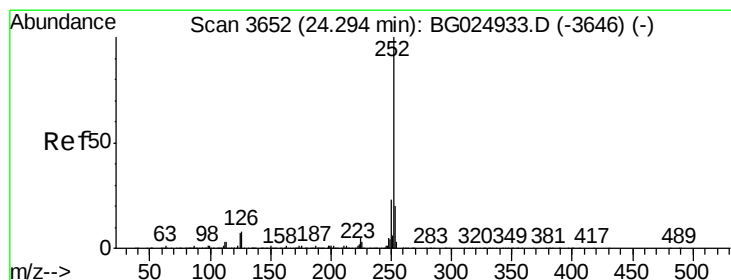
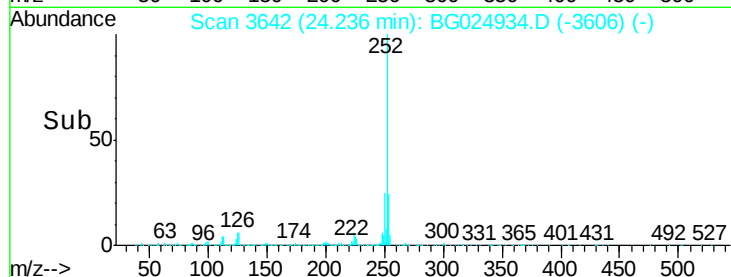
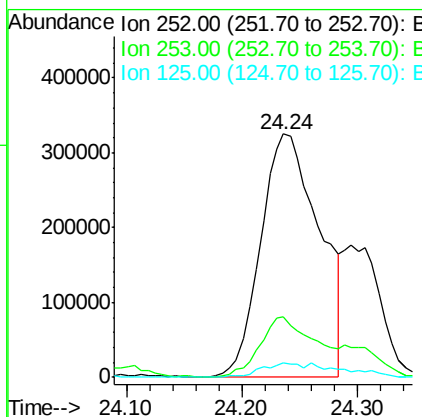
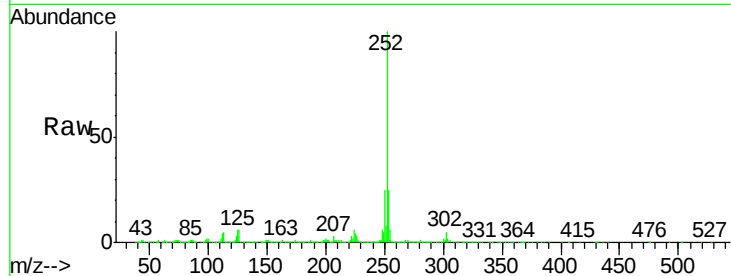
#85
Benzo(b)fluoranthene
Concen: 26.78 ng/ul
RT: 24.24 min Scan# 3642
Delta R.T. 0.01 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Instrument :
BNA_G
ClientSampleId :
A4WD5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	6.1	4.0	6.0

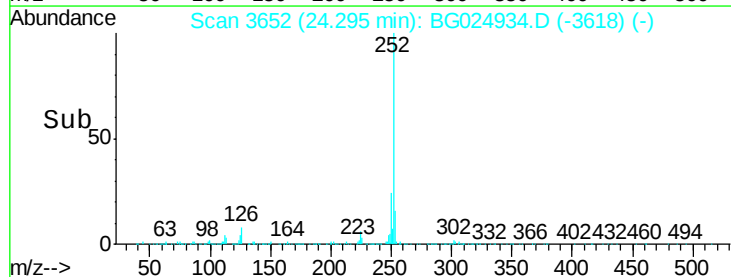
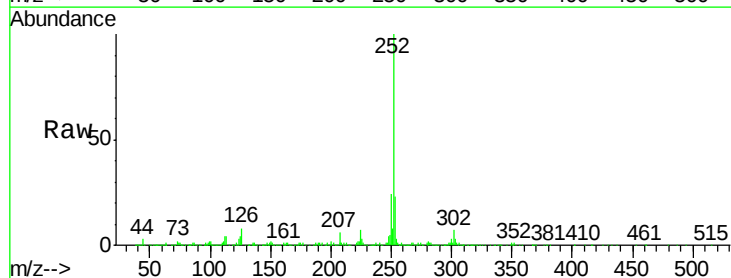
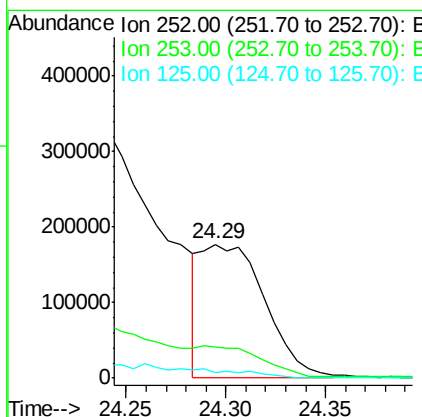
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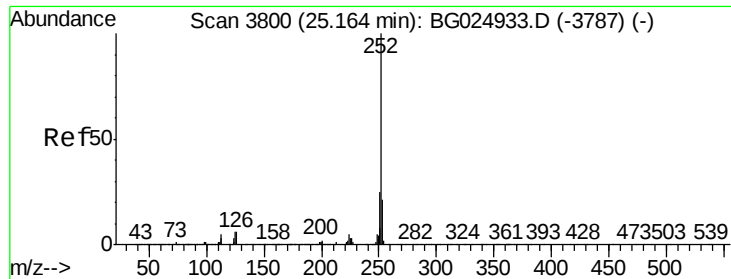
UMANGI
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#86
Benzo(k)fluoranthene
Concen: 9.60 ng/ul m
RT: 24.29 min Scan# 3652
Delta R.T. -0.00 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	4.1	4.1	6.1





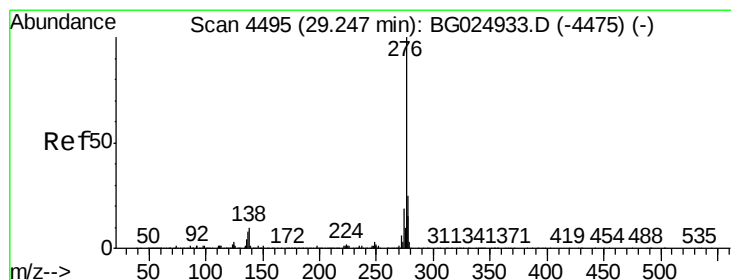
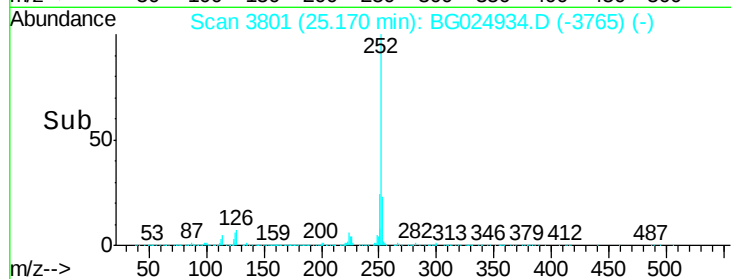
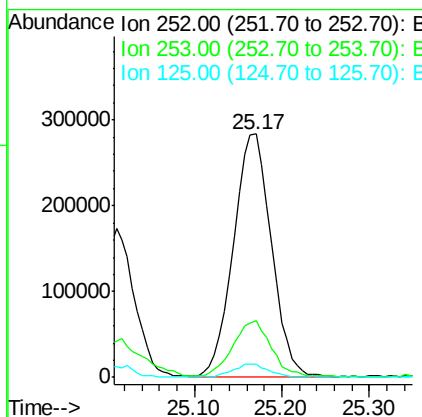
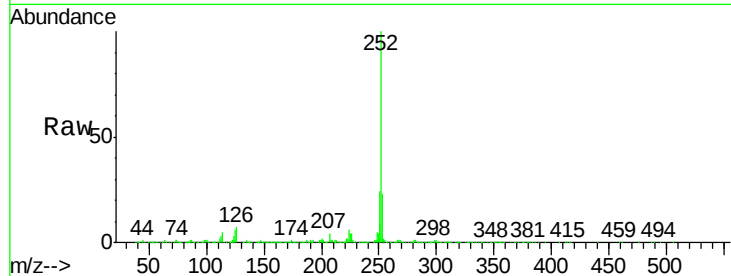
#88
Benzo(a)pyrene
Concen: 19.83 ng/ul
RT: 25.17 min Scan# 3801
Delta R.T. 0.01 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Instrument :
BNA_G
ClientSampleId :
A4WD5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	5.7	5.4	8.0

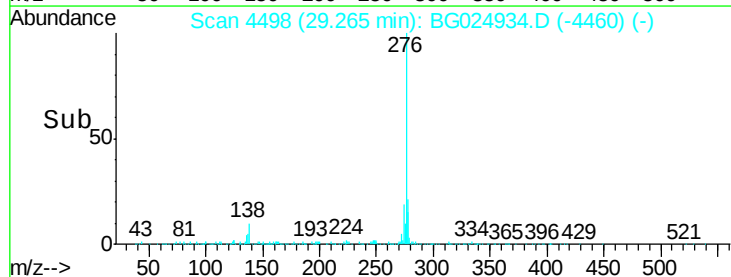
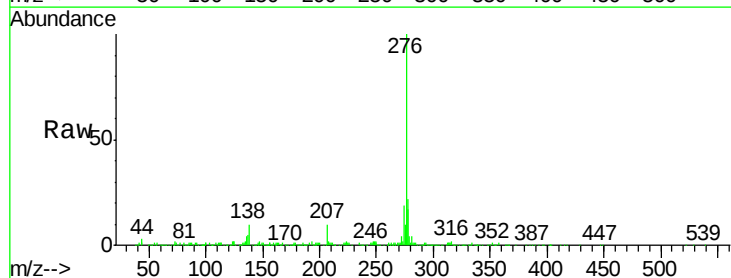
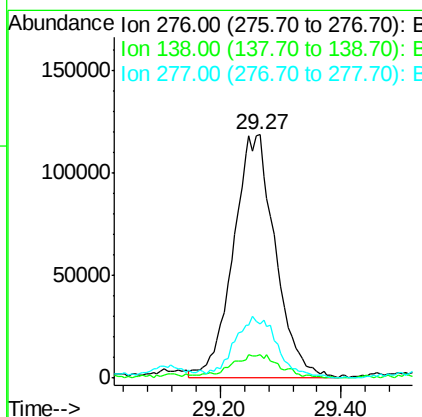
Manual Integrations
APPROVED

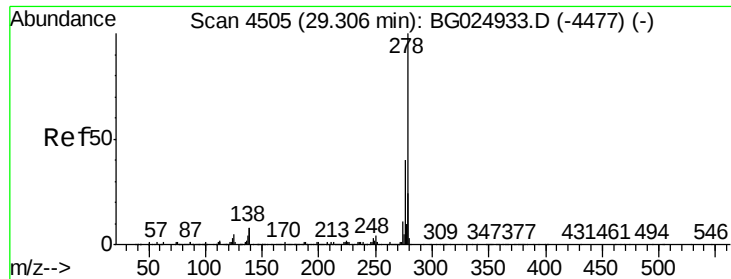
UMANGI
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#89
Indeno(1,2,3-cd)pyrene
Concen: 11.08 ng/ul
RT: 29.27 min Scan# 4498
Delta R.T. 0.02 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.7	8.2	12.4
277	22.4	18.6	28.0





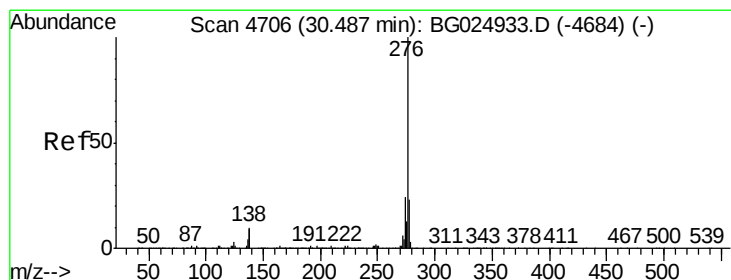
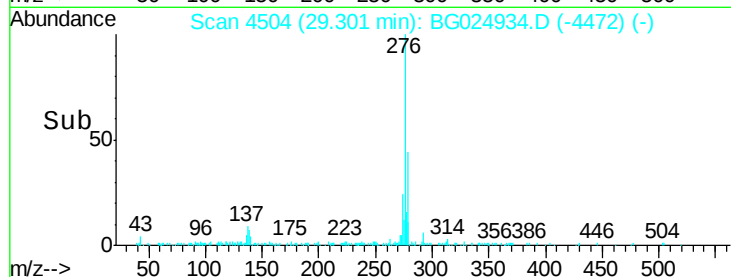
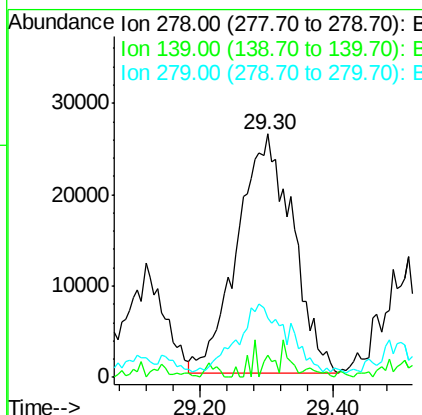
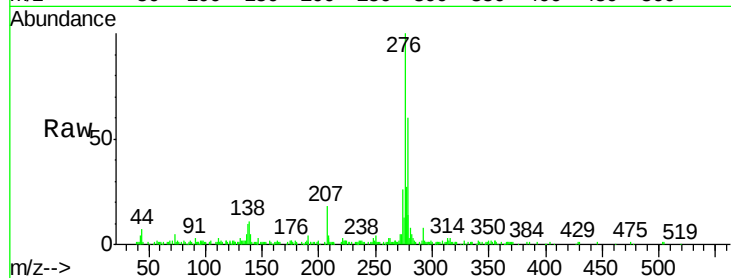
#90
Dibenzo(a,h)anthracene
Concen: 3.51 ng/ul
RT: 29.30 min Scan# 4504
Delta R.T. -0.01 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Instrument :
BNA_G
ClientSampleId :
A4WD5DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.0	6.7	10.1
279	24.3	20.9	31.3

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 10.69 ng/ul
RT: 30.50 min Scan# 4708
Delta R.T. 0.01 min
Lab File: BG024934.D
Acq: 28 Nov 2016 12:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.2	8.6	12.8
277	25.5	17.6	26.4

