

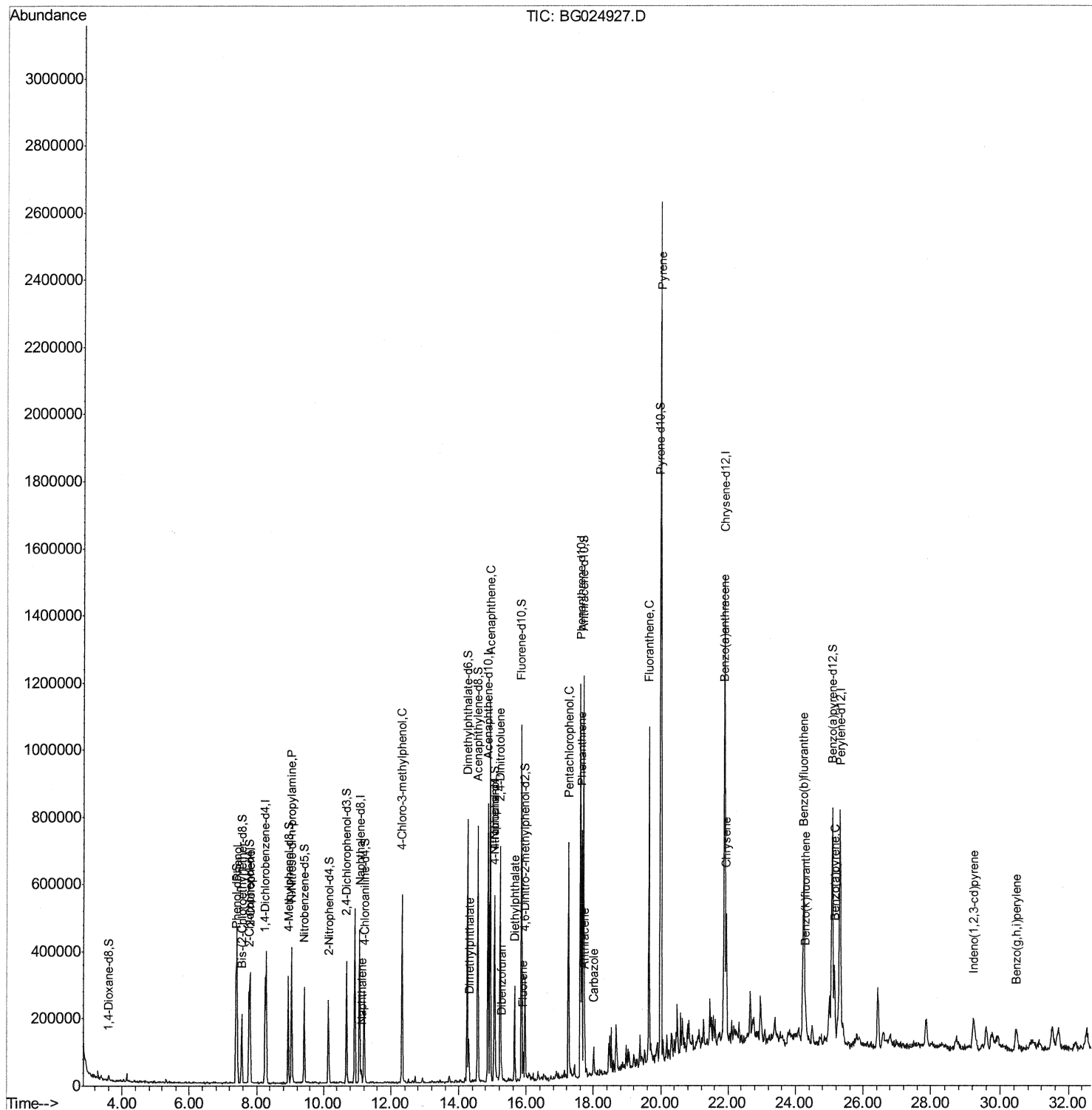
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024927.D
Acq On : 24 Nov 2016 4:17
Operator : UM/SJ
Sample : H5701-10MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
Client Sample ID :
A4WD7MS

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:02 PM

Quant Time: Nov 24 06:01:34 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



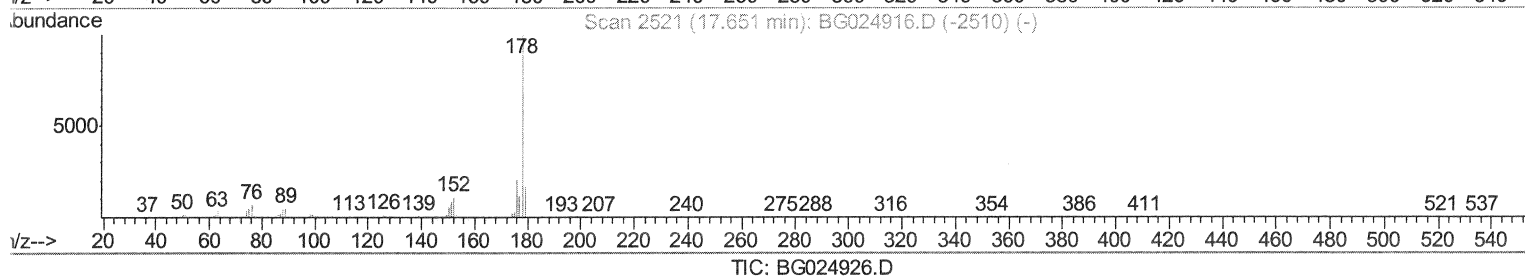
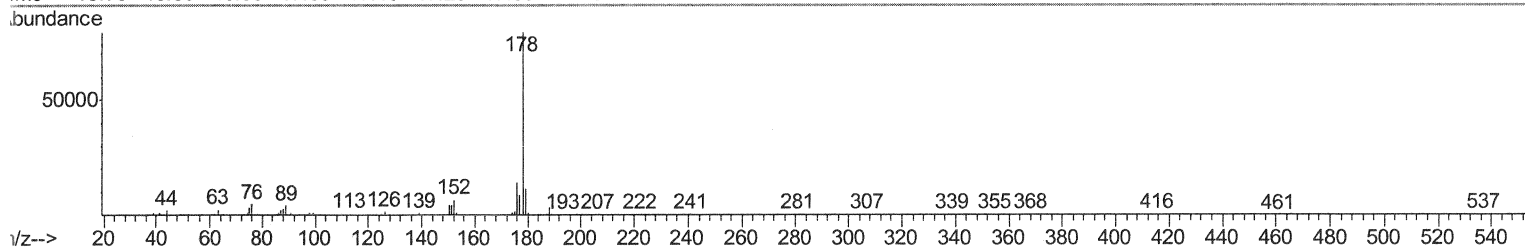
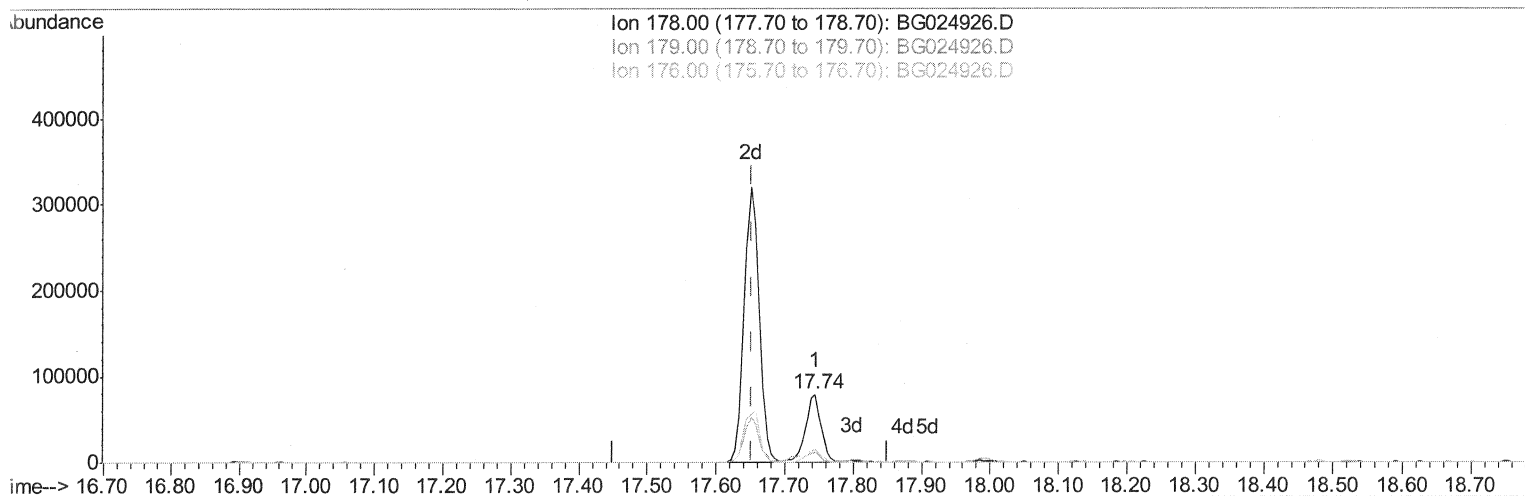
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WD7MS

Manual Integrations
APPROVED

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11/28/2016 4:50:02 PM

Quant Time: Nov 24 04:59:54 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



(69) Phenanthrene

17.744min (+0.093) 3.30ng/ul

response 126130

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	14.84
176.00	20.60	17.80
0.00	0.00	0.00

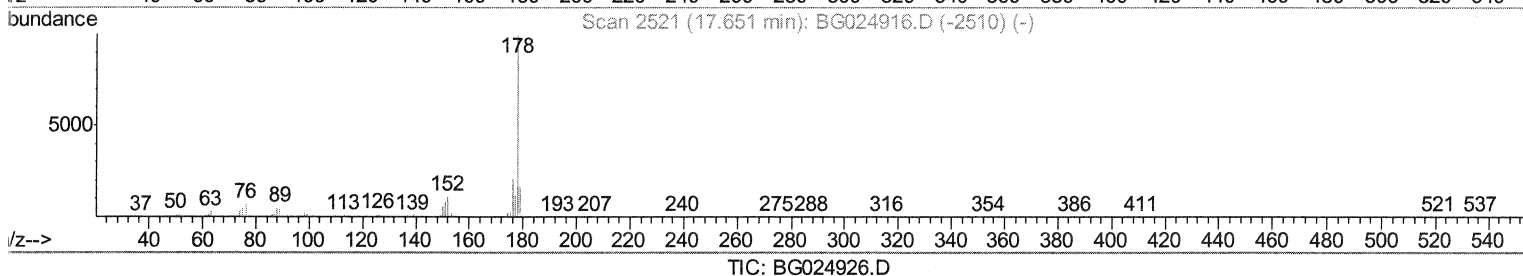
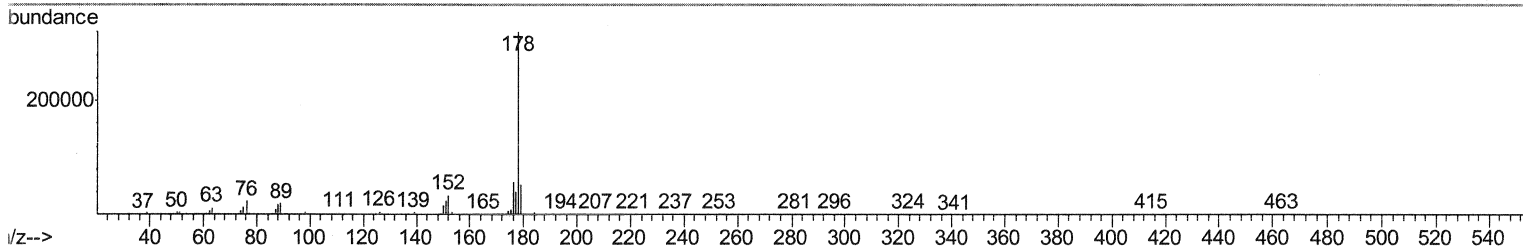
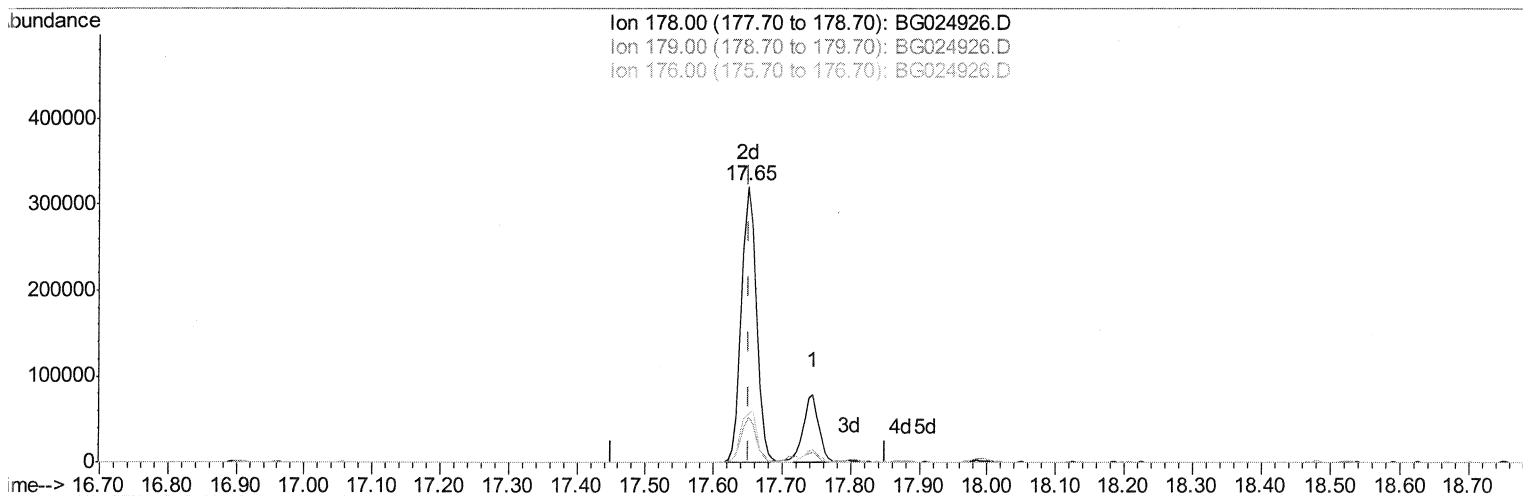
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WD7MS

Manual Integrations
APPROVED

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Quant Time: Nov 24 04:59:54 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



(69) Phenanthrene

17.650min (-0.001) 12.72ng/ul m

response 486115

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	16.54
176.00	20.60	17.70
0.00	0.00	0.00

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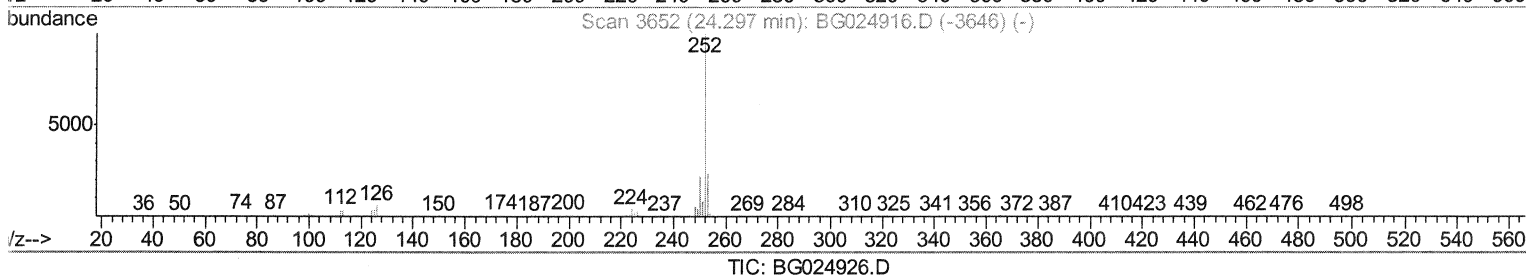
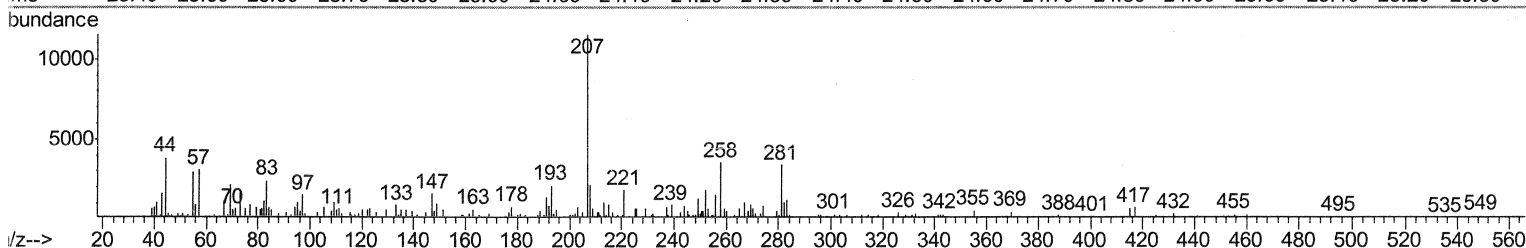
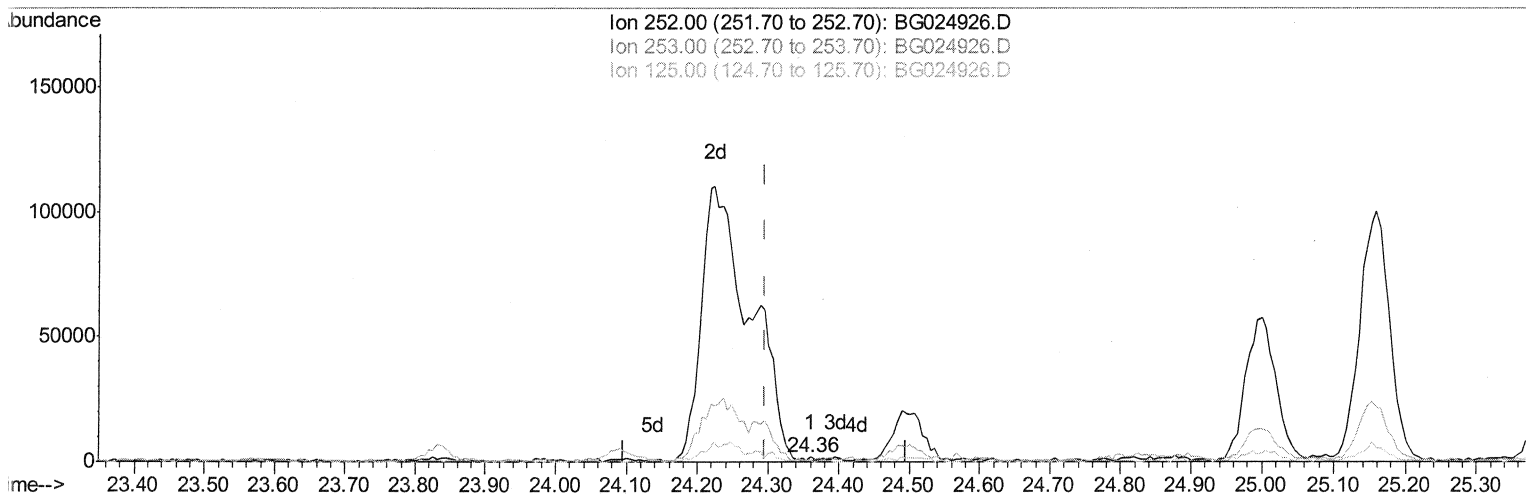
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Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
APPROVED

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11/28/2016 4:50:02 PM

Quant Time: Nov 24 05:00:20 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.360min (+0.063) 0.01ng/ul

response 638

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	39.88#
125.00	5.10	26.57#
0.00	0.00	0.00

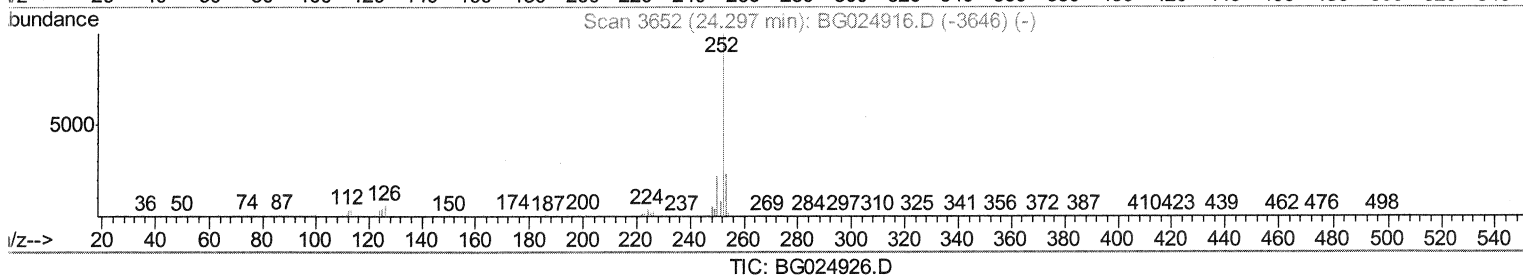
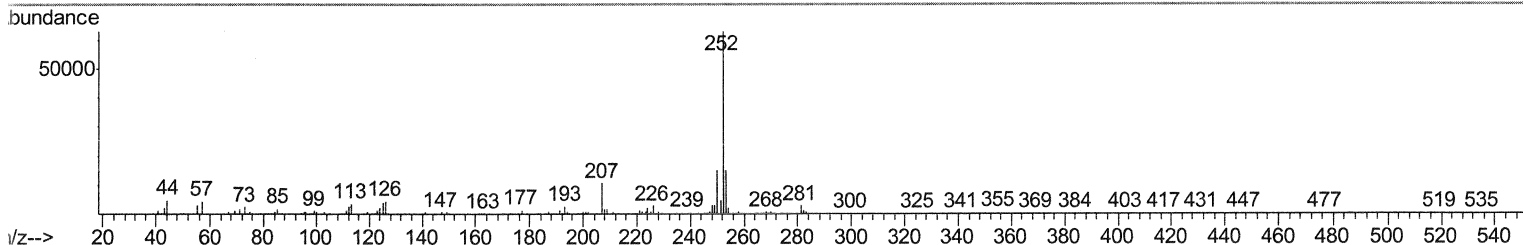
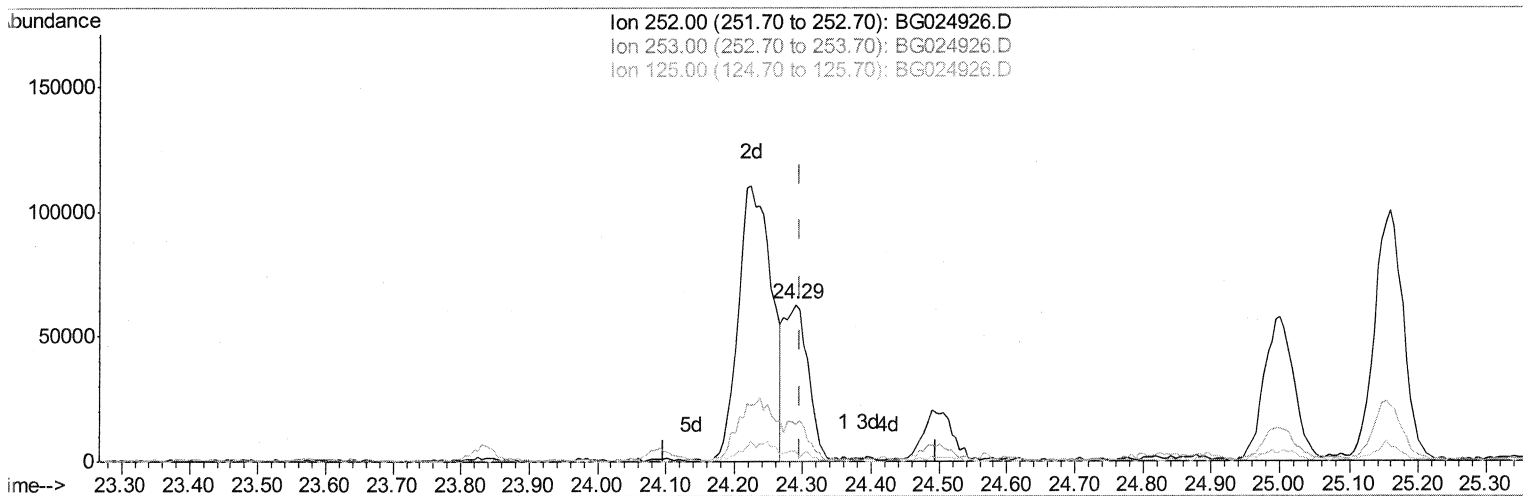
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Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
APPROVED

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Quant Time: Nov 24 05:00:20 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.289min (-0.007) 3.13ng/ul m

UM

response 156577

11/28/16

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	23.93
125.00	5.10	6.24#
0.00	0.00	0.00

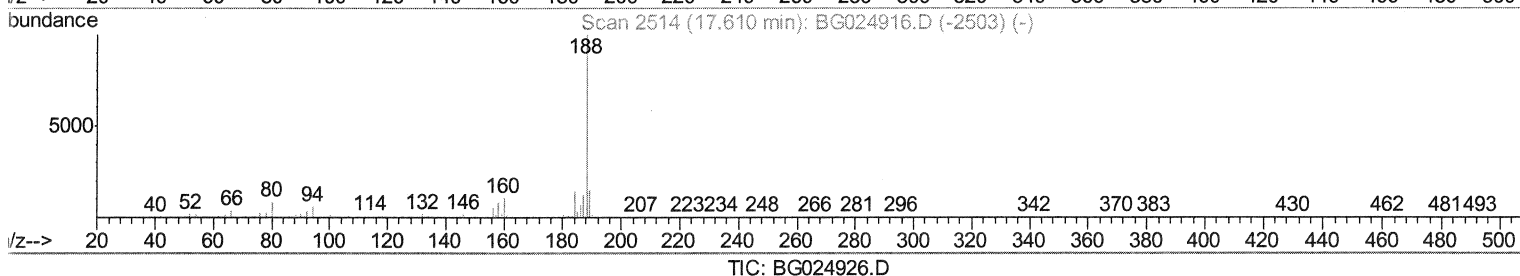
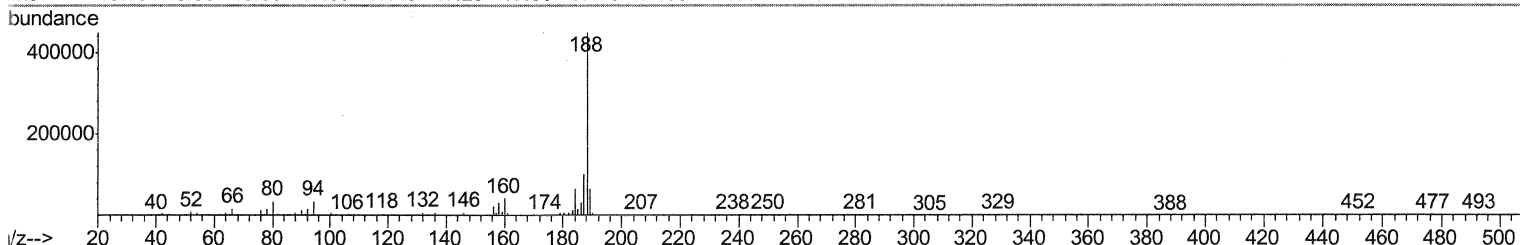
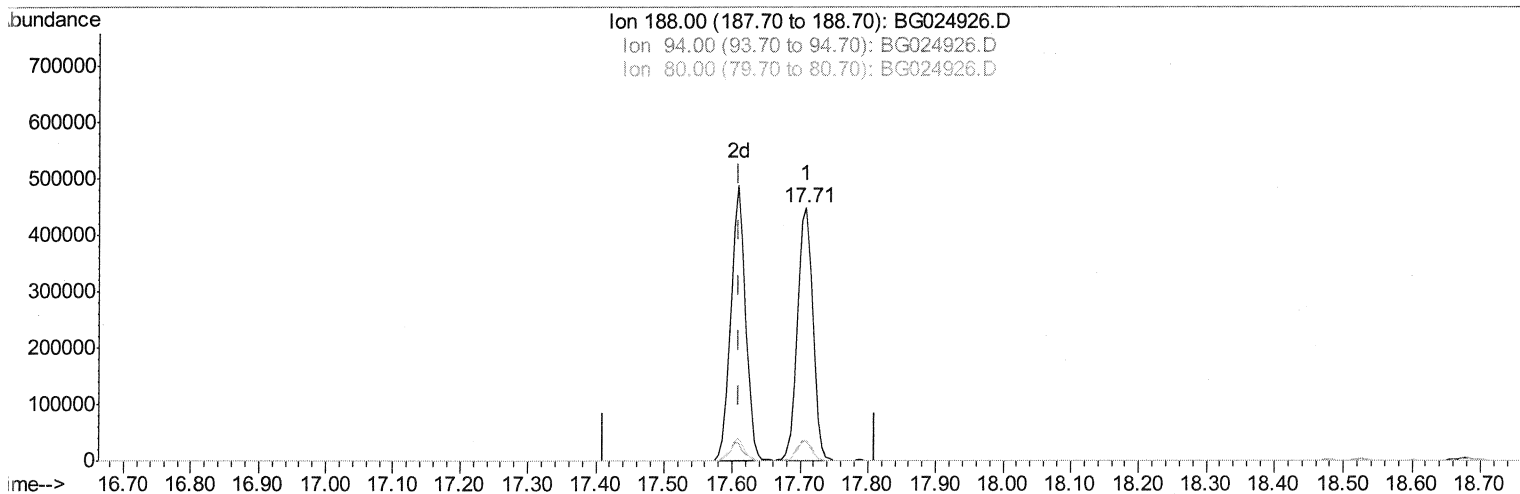
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Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WD7MS

Manual Integrations
APPROVED

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11/28/2016 4:50:02 PM

Quant Time: Nov 24 04:48:51 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.709min (+0.098) 20.00ng/ul

response 706400

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	7.75
80.00	9.50	7.79
0.00	0.00	0.00

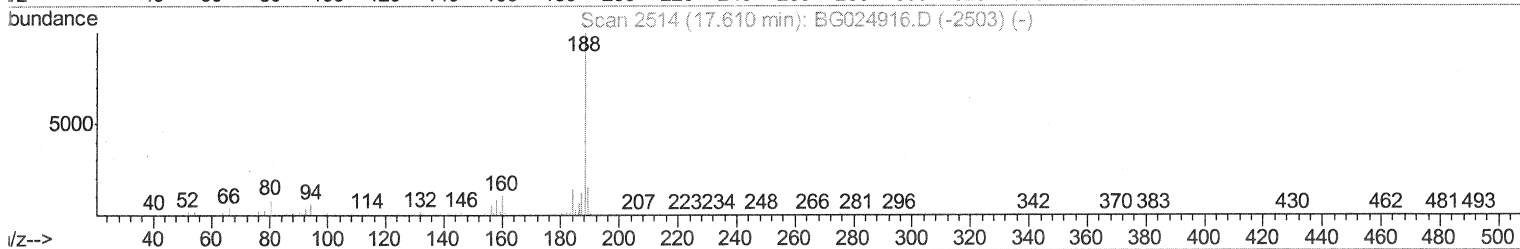
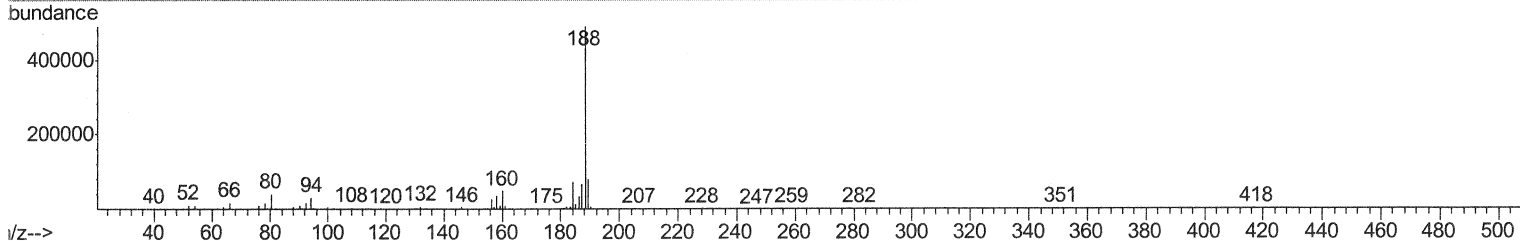
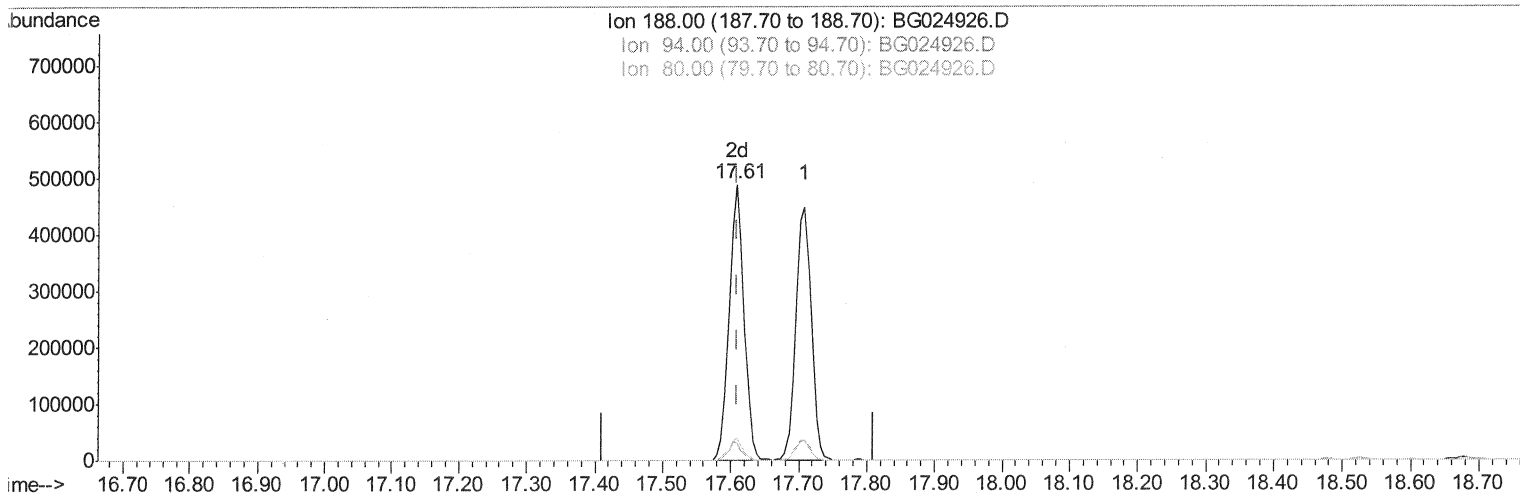
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WD7MS

Manual Integrations
APPROVED

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11/28/2016 4:50:02 PM

Quant Time: Nov 24 04:48:51 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



TIC: BG024926.D

(61) Phenanthrene-d10 (I)

17.609min (-0.001) 20.00ng/ul m

response 742977

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.21#
80.00	9.50	8.33
0.00	0.00	0.00

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11/28/16

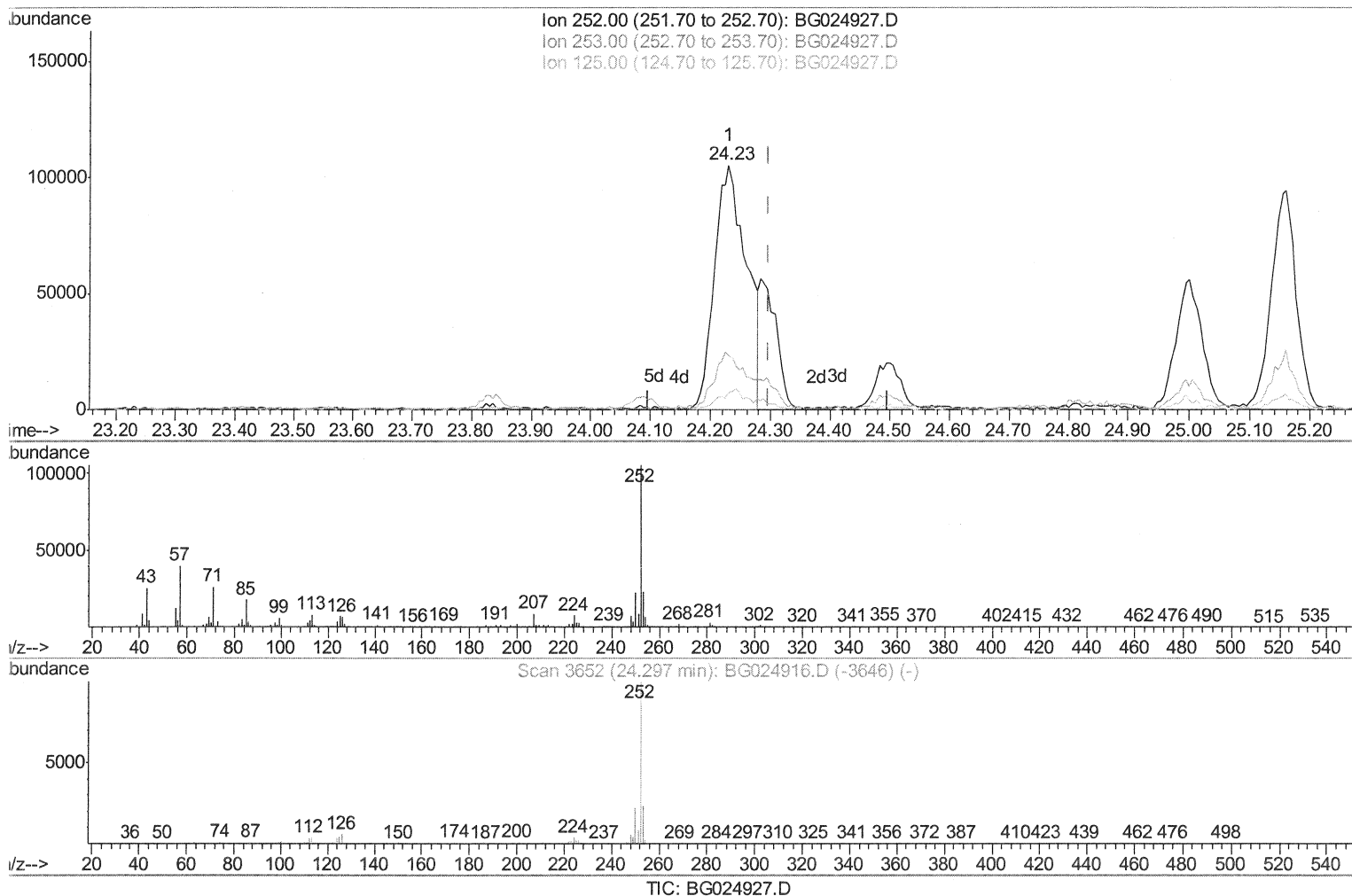
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Data File : BG024927.D
Acq On : 24 Nov 2016 4:17
Operator : UM/SJ
Sample : H5701-10MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WD7MS

Manual Integrations
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Quant Time: Nov 24 05:57:02 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.230min (-0.067) 8.27ng/ul

response 384783

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	22.29
125.00	5.10	7.05#
0.00	0.00	0.00

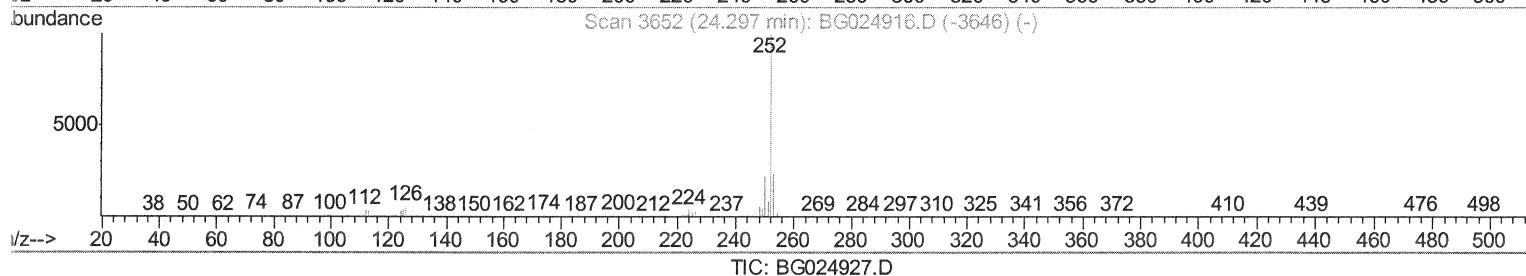
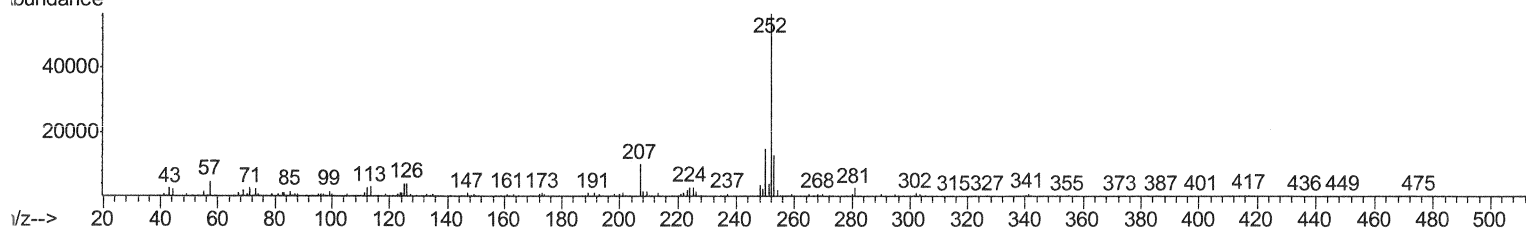
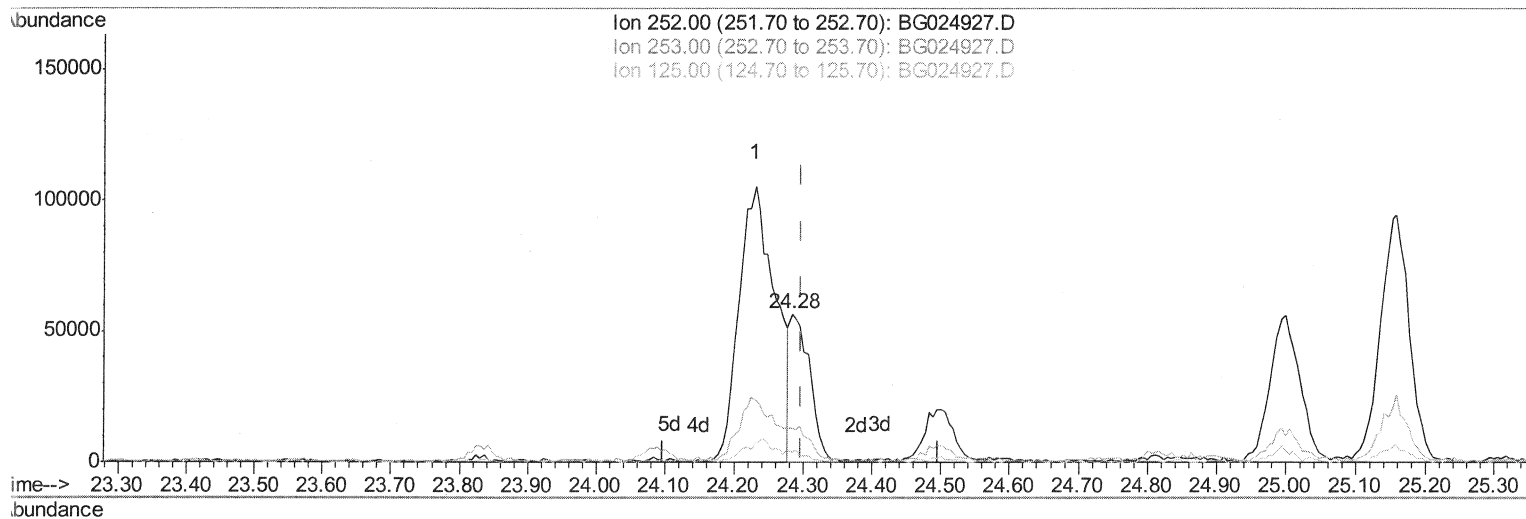
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024927.D
Acq On : 24 Nov 2016 4:17
Operator : UM/SJ
Sample : H5701-10MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WD7MS

Manual Integrations
APPROVED

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11/28/2016 4:50:02 PM

Quant Time: Nov 24 05:57:02 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.283min (-0.014) 2.39ng/ul m

6m

response 111081

11/28/16

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	22.55
125.00	5.10	6.85#
0.00	0.00	0.00

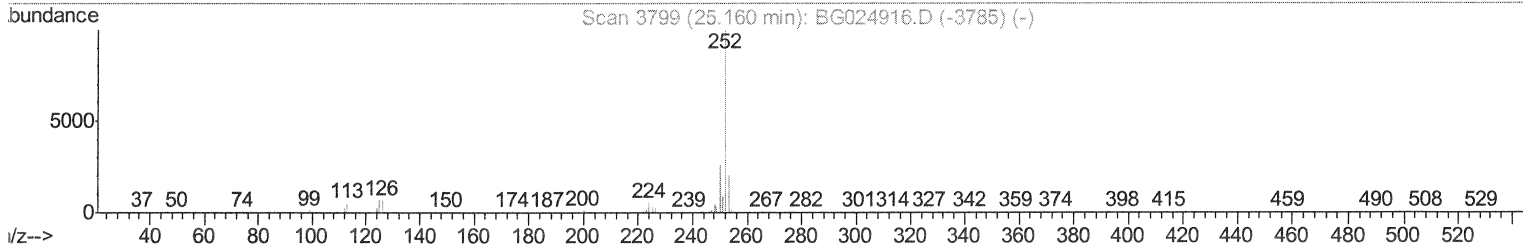
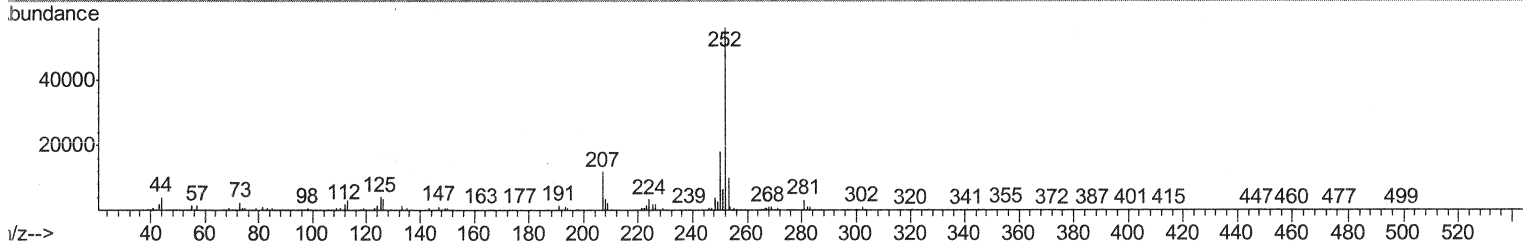
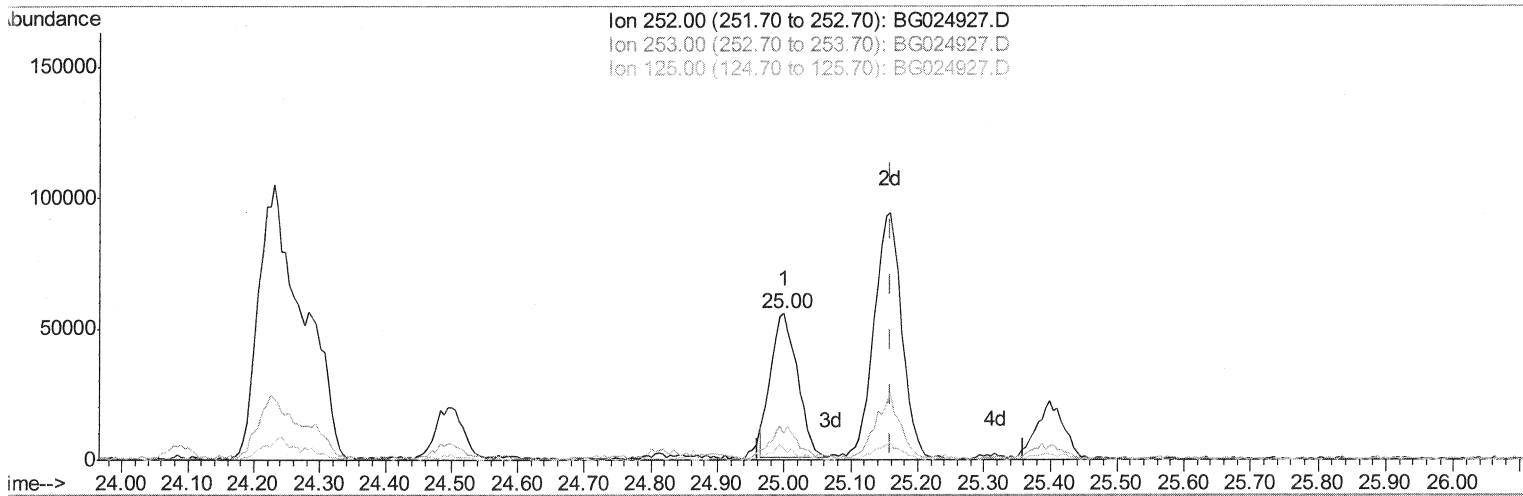
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024927.D
Acq On : 24 Nov 2016 4:17
Operator : UM/SJ
Sample : H5701-10MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WD7MS

Manual Integrations
APPROVED

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11/28/2016 4:50:02 PM

Quant Time: Nov 24 05:57:02 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration



TIC: BG024927.D

(88) Benzo(a)pyrene (C)

25.000min (-0.161) 3.23ng/ul

response 152509

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	17.84
125.00	6.70	7.51
0.00	0.00	0.00

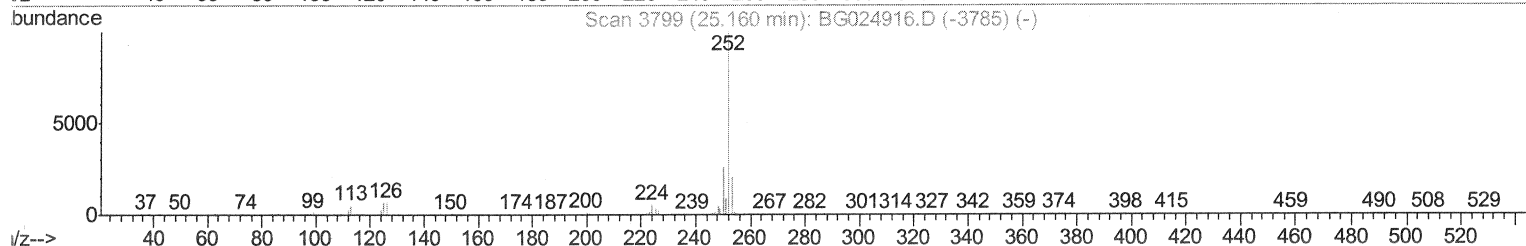
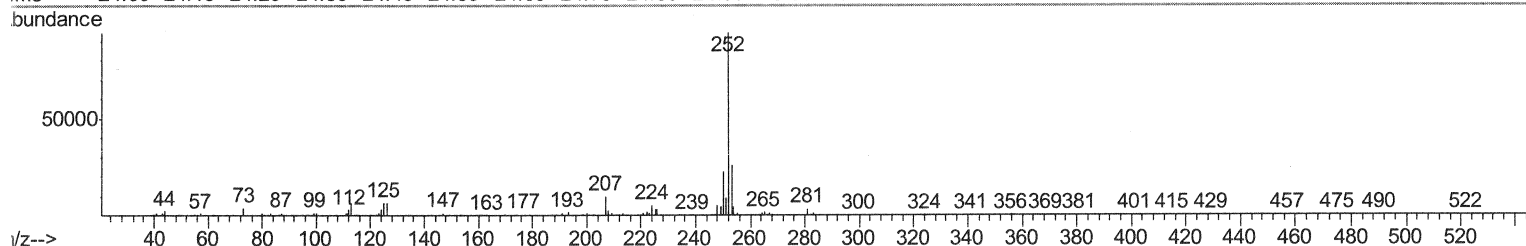
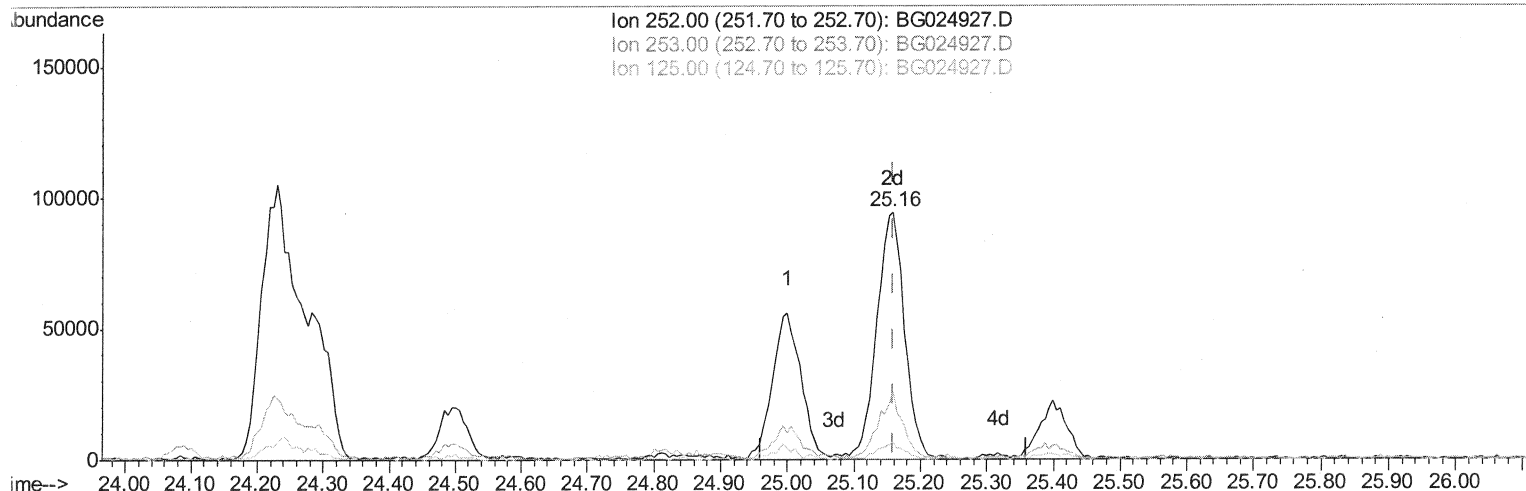
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 Acq On : 24 Nov 2016 4:17
 Operator : UM/SJ
 Sample : H5701-10MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 A4WD7MS

Manual Integrations
 APPROVED

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 11/28/2016 4:50:02 PM

Quant Time: Nov 24 05:57:02 2016
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 QLast Update : Thu Nov 24 01:29:39 2016
 Response via : Initial Calibration



(88) Benzo(a)pyrene (C)

25.158min (-0.002) 5.82ng/ul m

response 275026

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	27.22#
125.00	6.70	7.02
0.00	0.00	0.00

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 11/28/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
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 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	85603	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	369019	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	312190	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	712867	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	872398	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	911164	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	7028	3.89	ng/uL	0.00
5) Phenol-d5	7.39	99	164658	20.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	104089	21.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	112014	20.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	123135	18.08	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	60328	20.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	70447	20.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	133424	19.46	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	131088	17.30	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	499458	21.76	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	557909	22.09	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	67762	16.78	ng/ul	0.00
57) Fluorene-d10	15.86	176	449194	21.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	73621	14.55	ng/ul	0.00
70) Anthracene-d10	17.71	188	696946	21.49	ng/ul	0.00
76) Pyrene-d10	19.98	212	829865	21.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	848689	20.95	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.41	94	237459	29.10	ng/ul	97
10) 2-Chlorophenol	7.81	128	129799	23.88	ng/ul	91
15) N-Nitroso-di-n-propylamine	9.05	70	155652	26.57	ng/ul#	86
28) Naphthalene	11.13	128	27923	1.55	ng/ul#	89
33) 4-Chloro-3-methylphenol	12.33	107	205427	24.61	ng/ul	99
44) Dimethylphthalate	14.31	163	81284	3.62	ng/ul#	97
49) Acenaphthene	14.93	153	480233	28.59	ng/ul	99
52) 4-Nitrophenol	15.06	109	98740	20.96	ng/ul	90
53) Dibenzofuran	15.26	168	33044	1.27	ng/ul#	85
54) 2,4-Dinitrotoluene	15.22	165	191560	26.43	ng/ul#	91
56) Diethylphthalate	15.65	149	151700	6.59	ng/ul	98
58) Fluorene	15.90	166	39682	1.86	ng/ul	89
68) Pentachlorophenol	17.25	266	145759	25.26	ng/ul	95
69) Phenanthrene	17.65	178	483794	13.19	ng/ul	97
71) Anthracene	17.74	178	127194	3.37	ng/ul	97
72) Carbazole	18.01	167	49757	1.60	ng/ul	99
74) Fluoranthene	19.65	202	637129	15.06	ng/ul#	97
77) Pyrene	20.01	202	1646562	36.42	ng/ul	98
80) Benzo(a)anthracene	21.88	228	342024	7.13	ng/ul	97
82) Chrysene	21.95	228	307828	6.81	ng/ul	99
85) Benzo(b)fluoranthene	24.23	252	384783	7.92	ng/ul#	99
86) Benzo(k)fluoranthene	24.28	252	111081m	2.39	ng/ul	
88) Benzo(a)pyrene	25.16	252	275026m	5.82	ng/ul	

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 Sample : H5701-10MS
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 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
 APPROVED

sohil
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Quant Time: Nov 24 06:01:34 2016
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	29.23	276	179259	3.09	ng/ul#	92
91) Benzo(g,h,i)perylene	30.47	276	132677	2.78	ng/ul#	87

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