

(QT Reviewed)

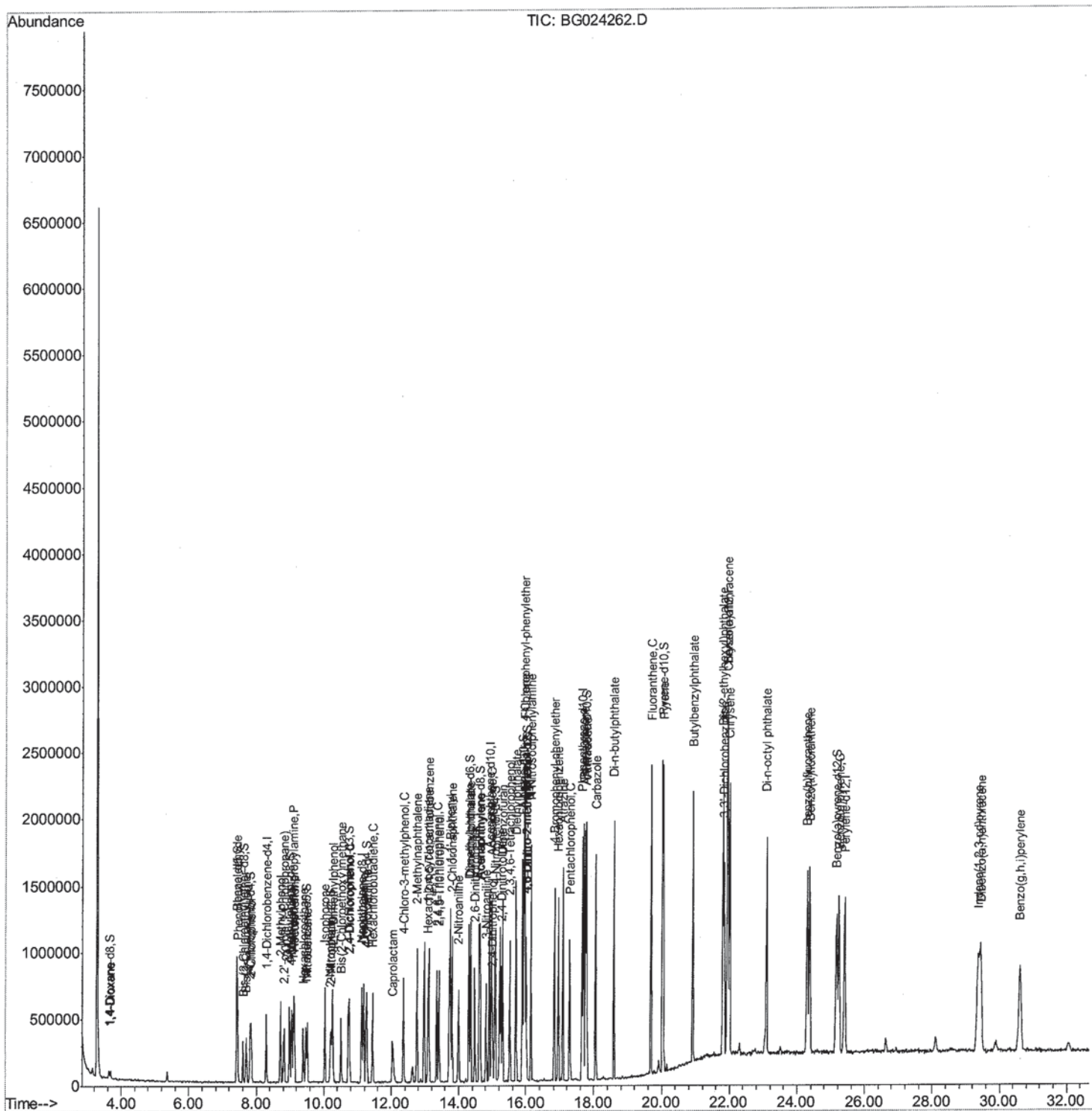
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
Data File : BG024262.D
Acq On : 11 Oct 2016 6:42
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02014

Manual Integrations
APPROVED

sohil
10/11/2016 7:06:32 PM

Quant Time: Oct 11 12:19:31 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 10:18:36 2016
Response via : Initial Calibration



Quantitation Report (Qedit)

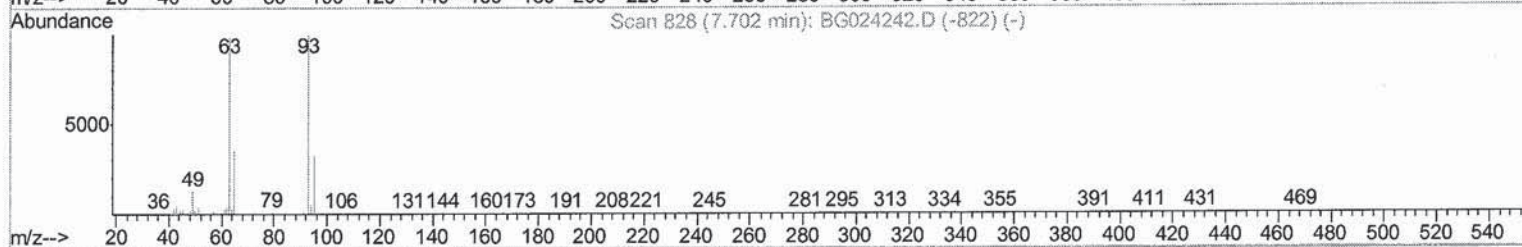
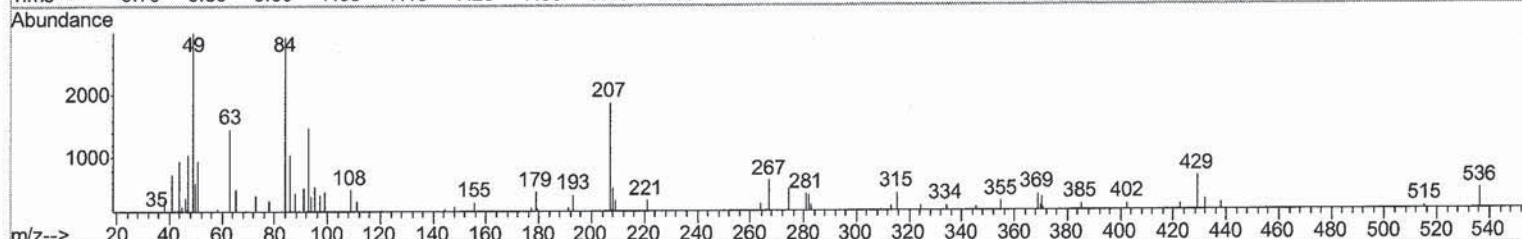
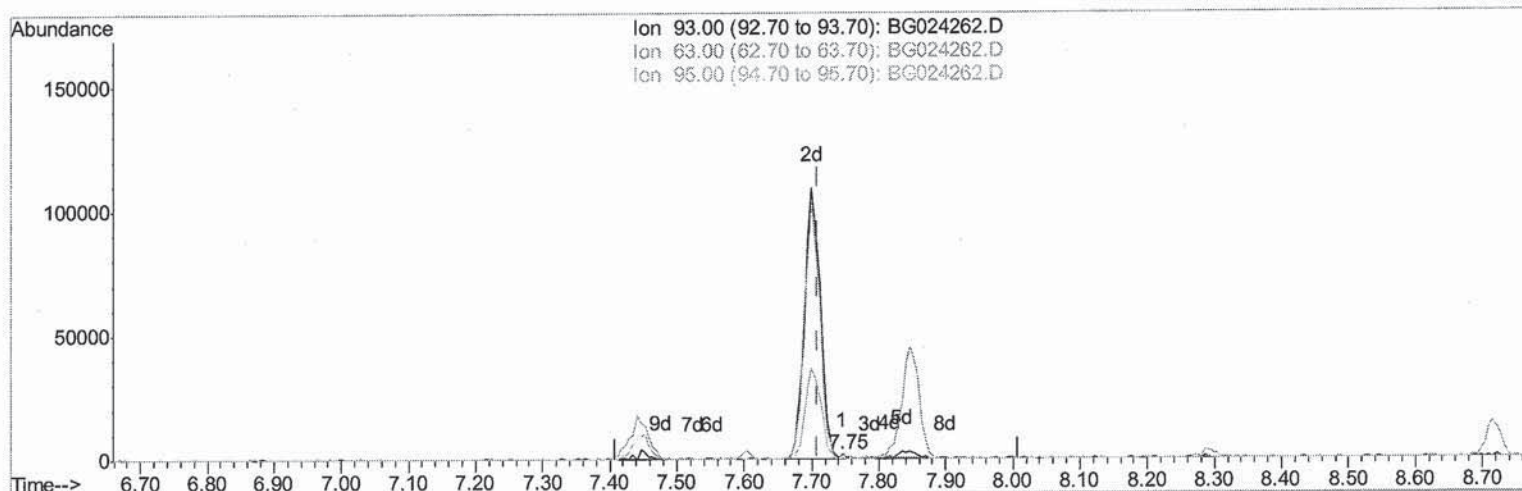
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TIC: BG024262.D

(8) Bis(2-Chloroethyl)ether

7.746min (+0.037) 0.13ng/ul

response 1212

Ion	Exp%	Act%
93.00	100	100
63.00	70.00	78.63
95.00	34.60	29.22
0.00	0.00	0.00

Quantitation Report (Qedit)

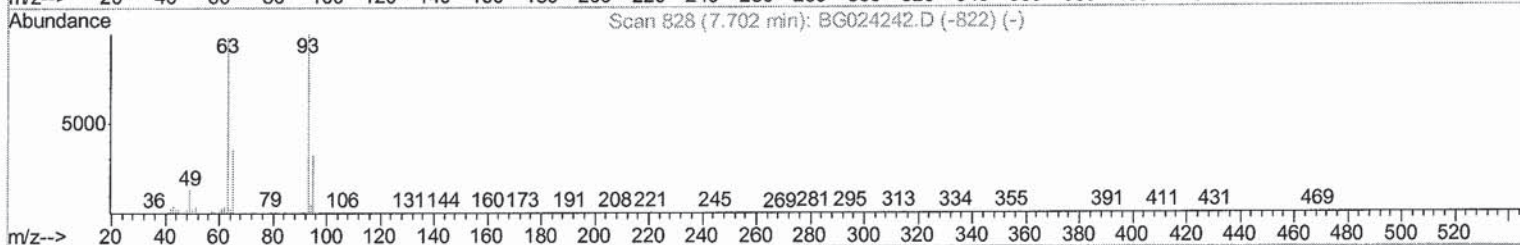
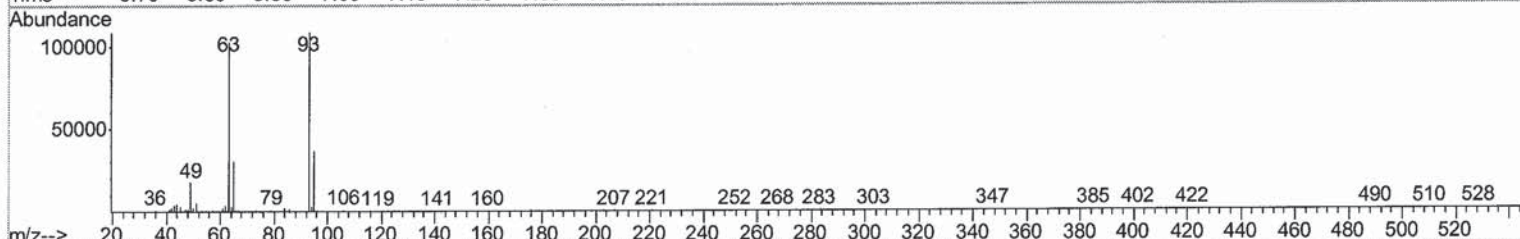
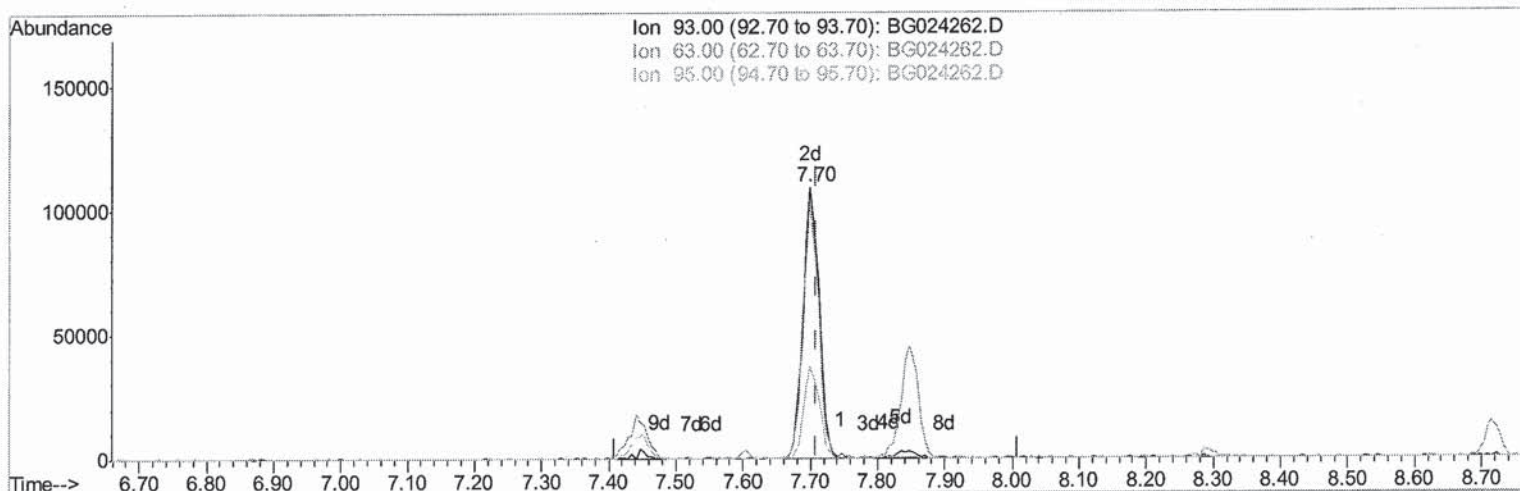
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TIC: BG024262.D

(8) Bis(2-Chloroethyl)ether

7.699min (-0.010) 19.44ng/ul m

response 180373

UM
 10/12/16

Ion	Exp%	Act%
93.00	100	100
63.00	70.00	94.40#
95.00	34.60	33.85
0.00	0.00	0.00

Quantitation Report (Qedit)

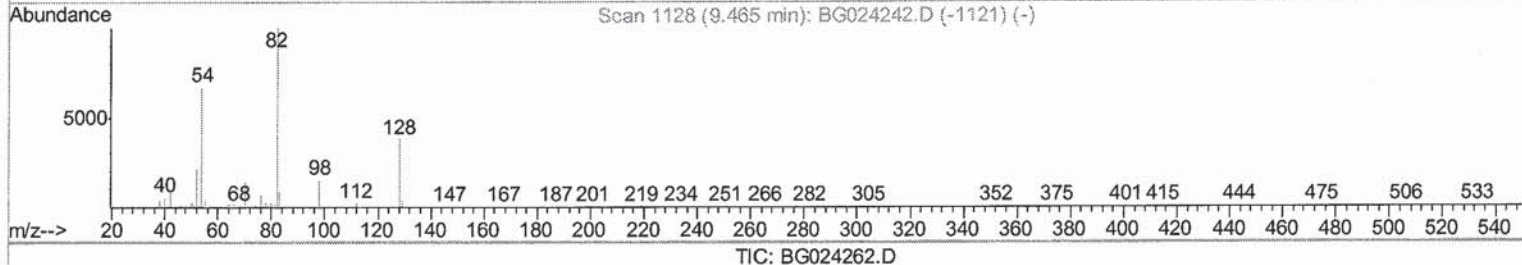
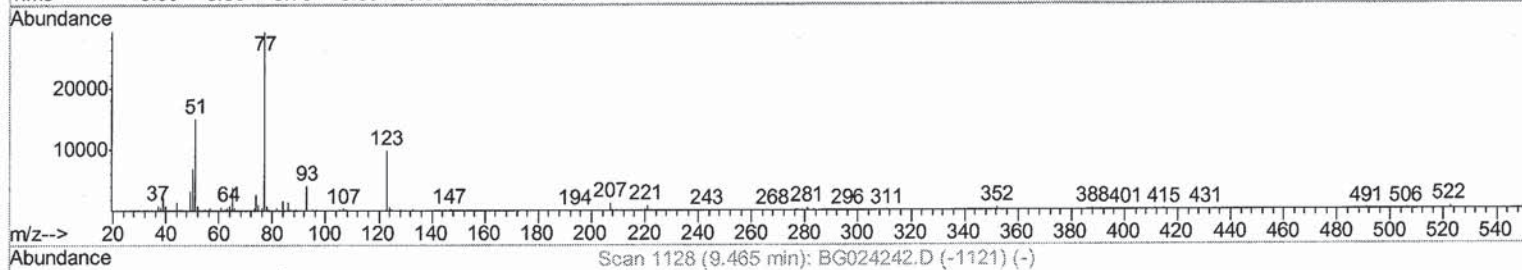
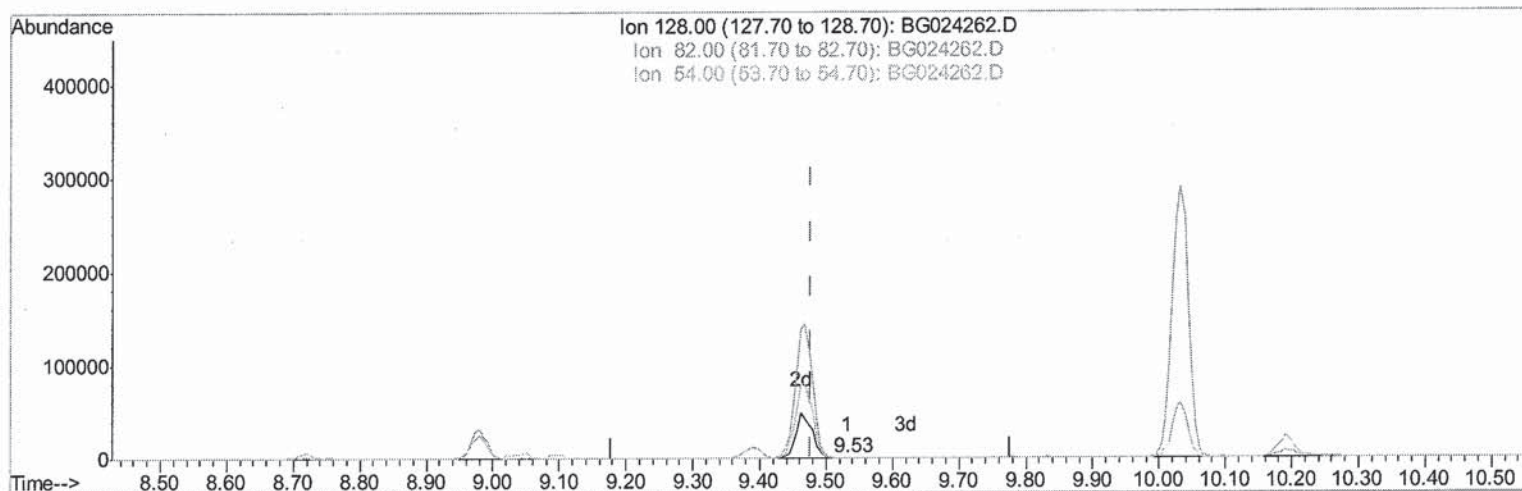
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(19) Nitrobenzene-d5 (S)

9.532min (+0.055) 0.04ng/ul

response 149

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	205.64
54.00	78.50	78.57
0.00	0.00	0.00

Quantitation Report (Qedit)

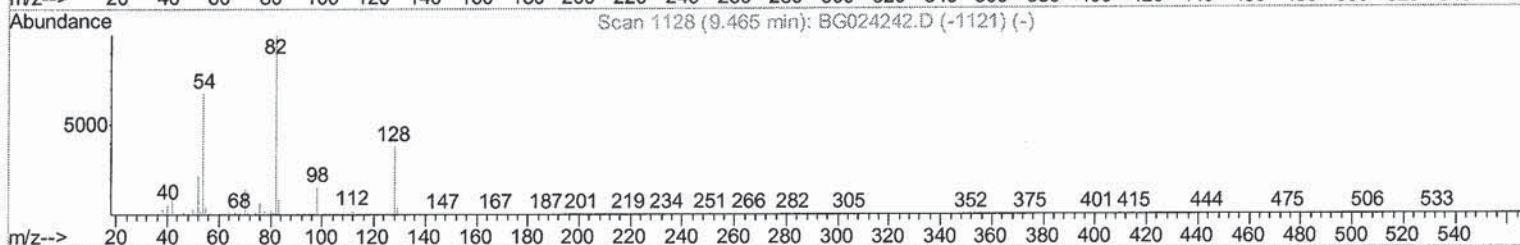
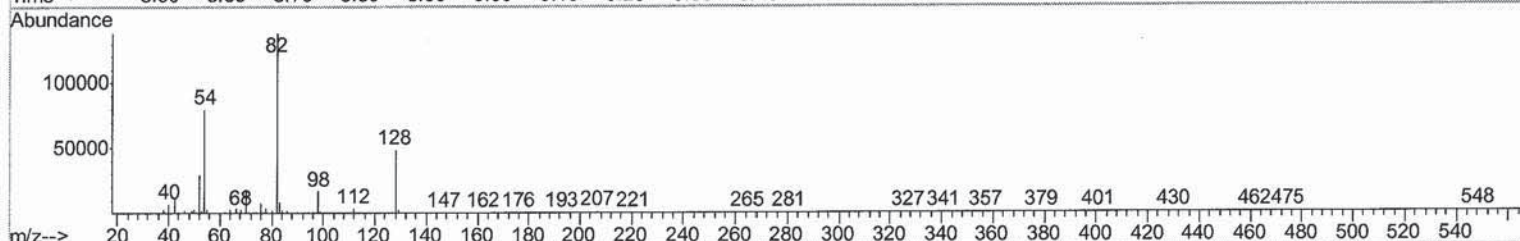
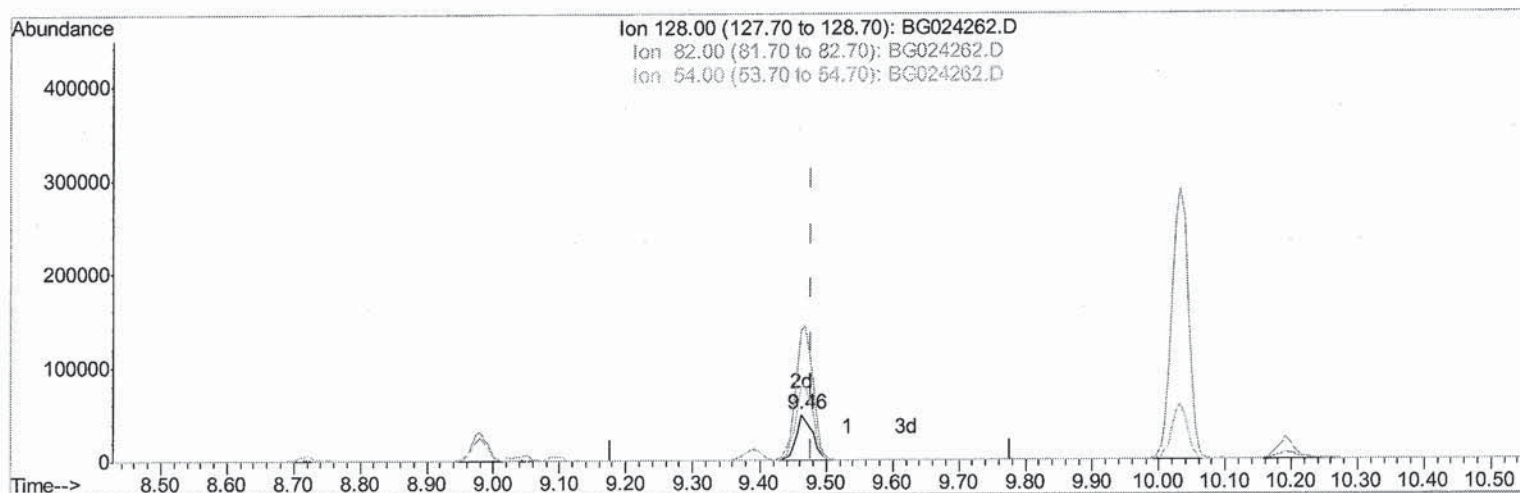
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(19) Nitrobenzene-d5 (S)

9.462min (-0.016) 20.45ng/ul m

response 84292

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	282.78#
54.00	78.50	163.46#
0.00	0.00	0.00

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Quantitation Report (Qedit)

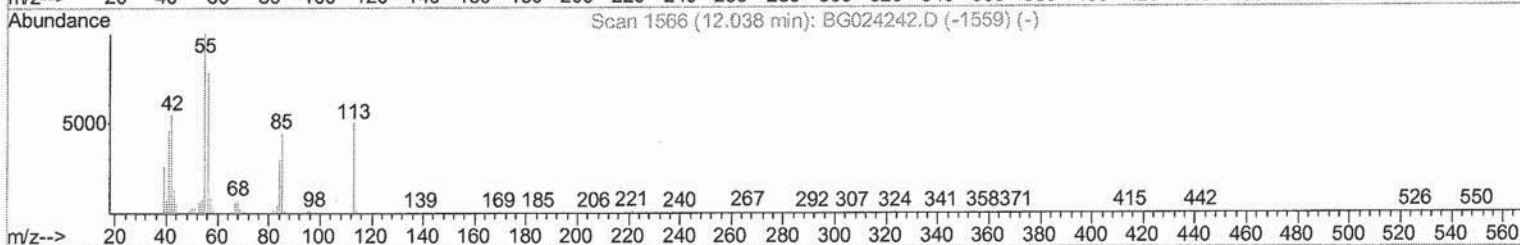
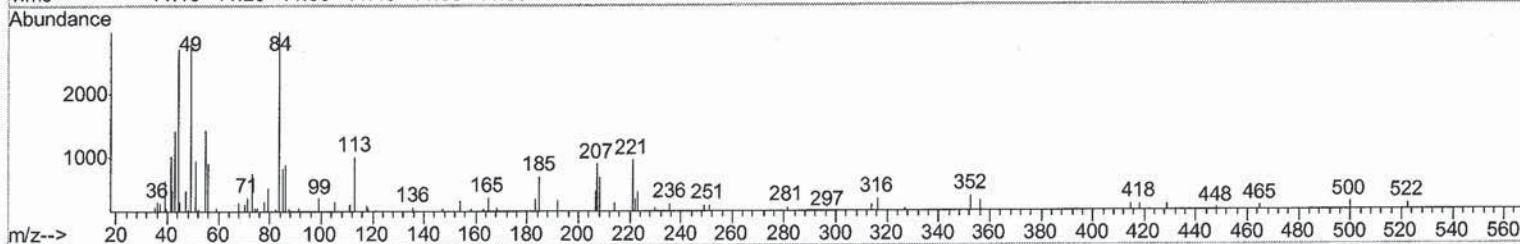
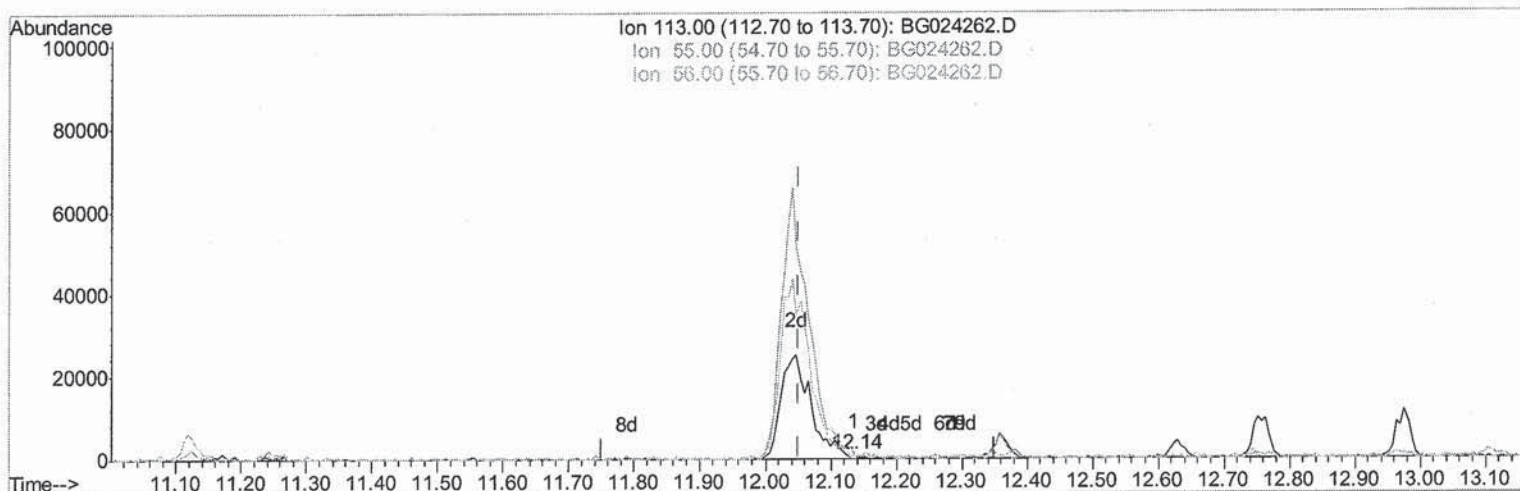
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TIC: BG024262.D

(32) Caprolactam

12.135min (+0.084) 0.19ng/ul

response 688

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	142.14
56.00	83.00	90.11
0.00	0.00	0.00

Quantitation Report (Qedit)

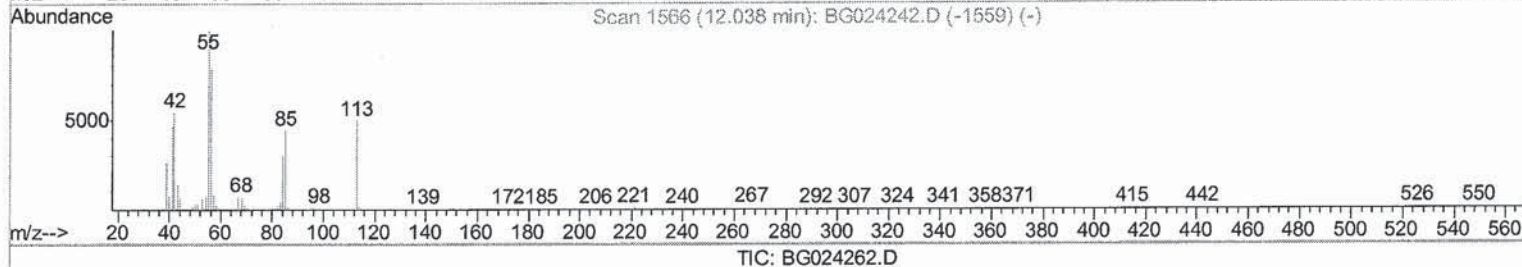
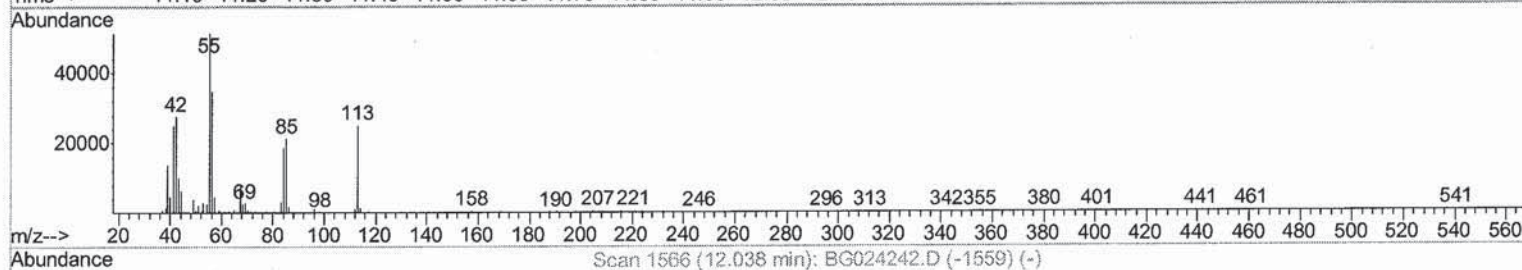
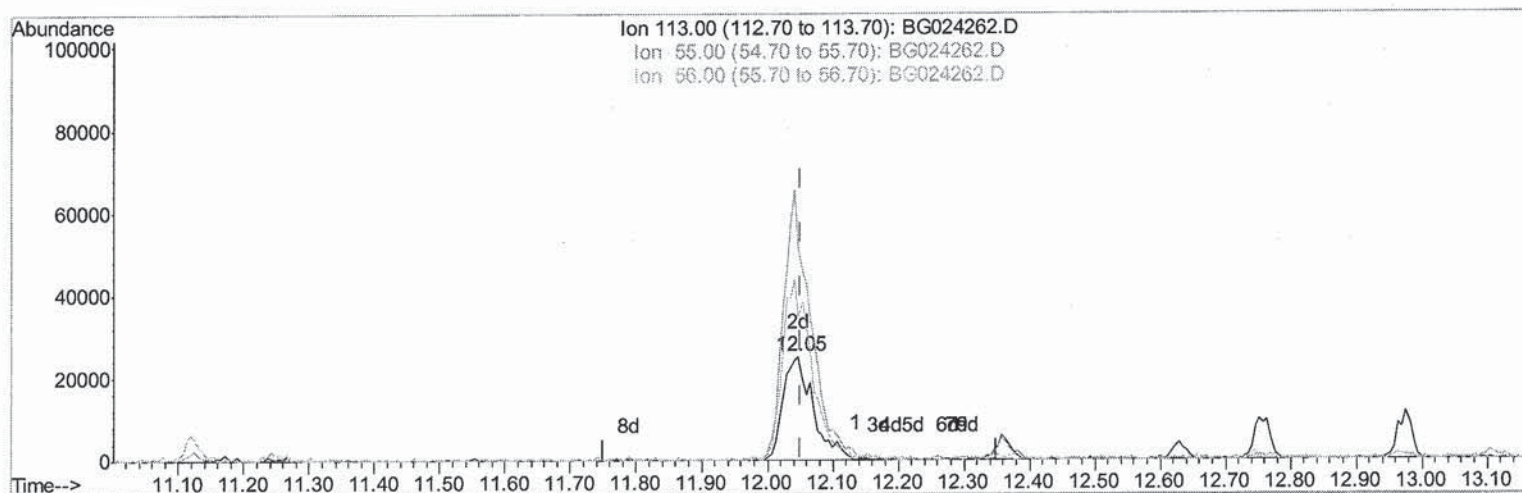
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(32) Caprolactam

12.047min (-0.004) 21.77ng/ul m

response 79667

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	204.00#
56.00	83.00	138.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

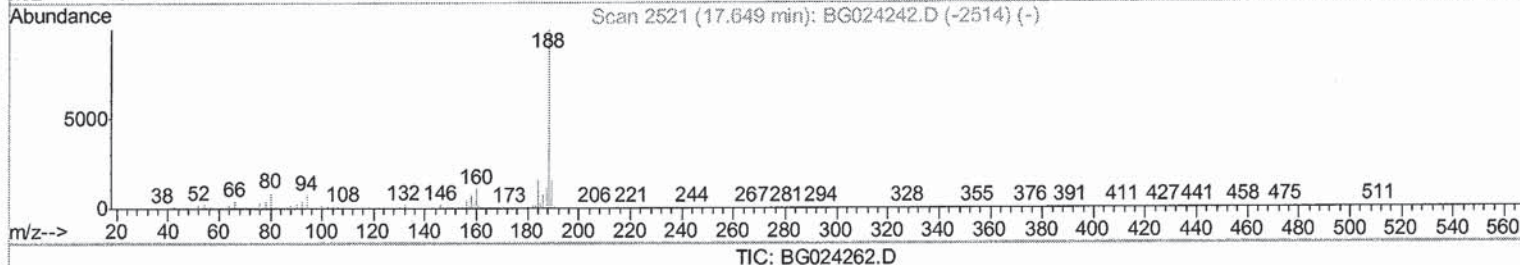
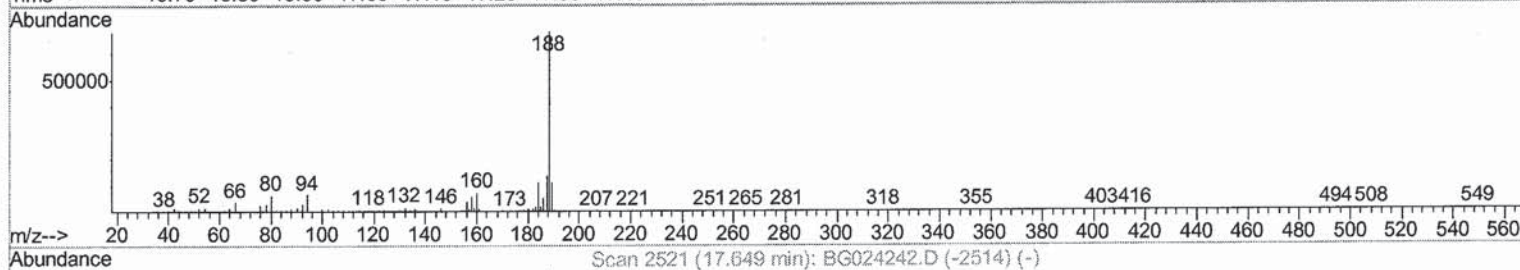
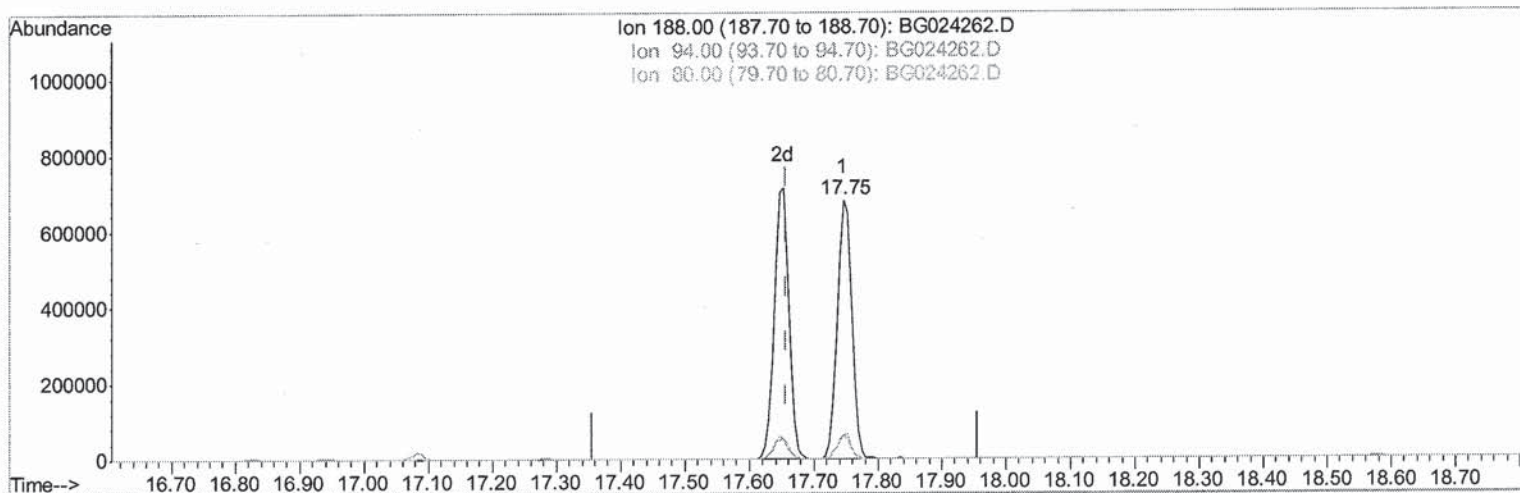
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(61) Phenanthrene-d10 (I)

17.746min (+0.090) 20.00ng/ul

response 1094363

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	9.56
80.00	10.90	9.24
0.00	0.00	0.00

Quantitation Report (Qedit)

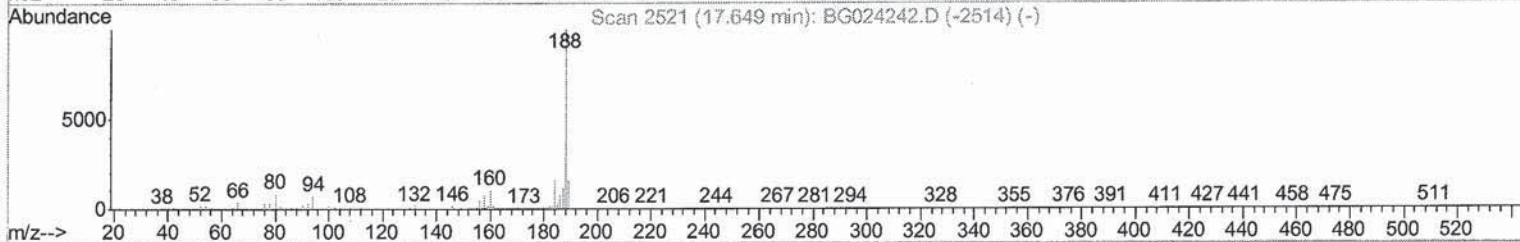
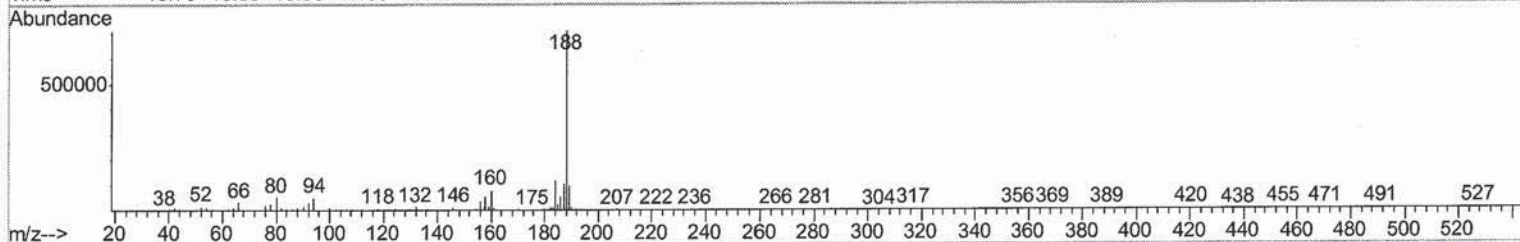
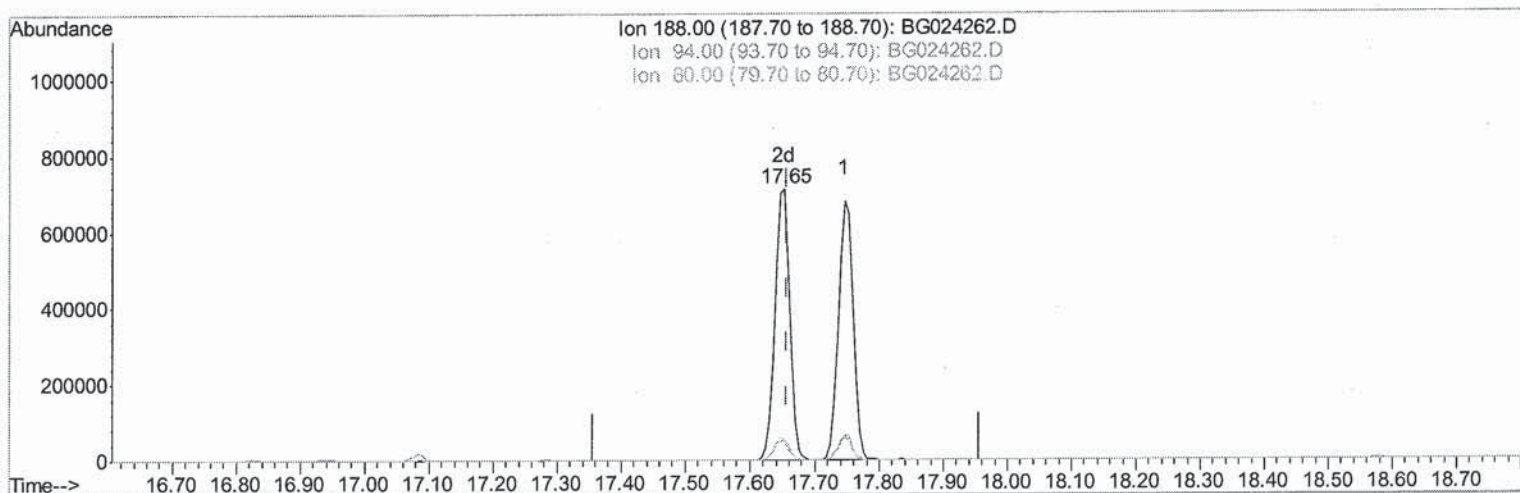
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Instrument :
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Manual Integrations
 APPROVED

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(61) Phenanthrene-d10 (I)

17.652min (-0.004) 20.00ng/ul m

response 1146554

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	7.08#
80.00	10.90	7.31#
0.00	0.00	0.00

UM
 10/12/16

Quantitation Report (Qedit)

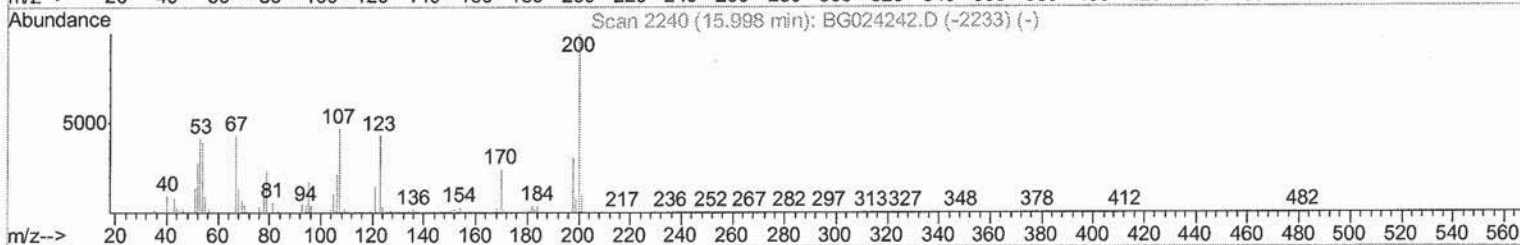
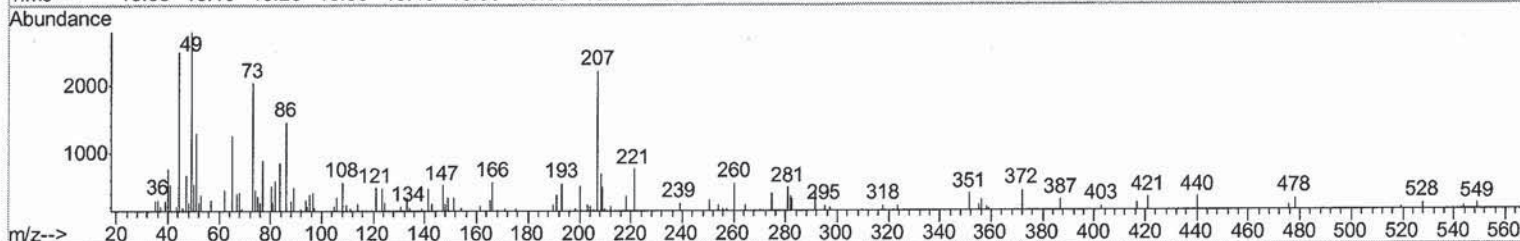
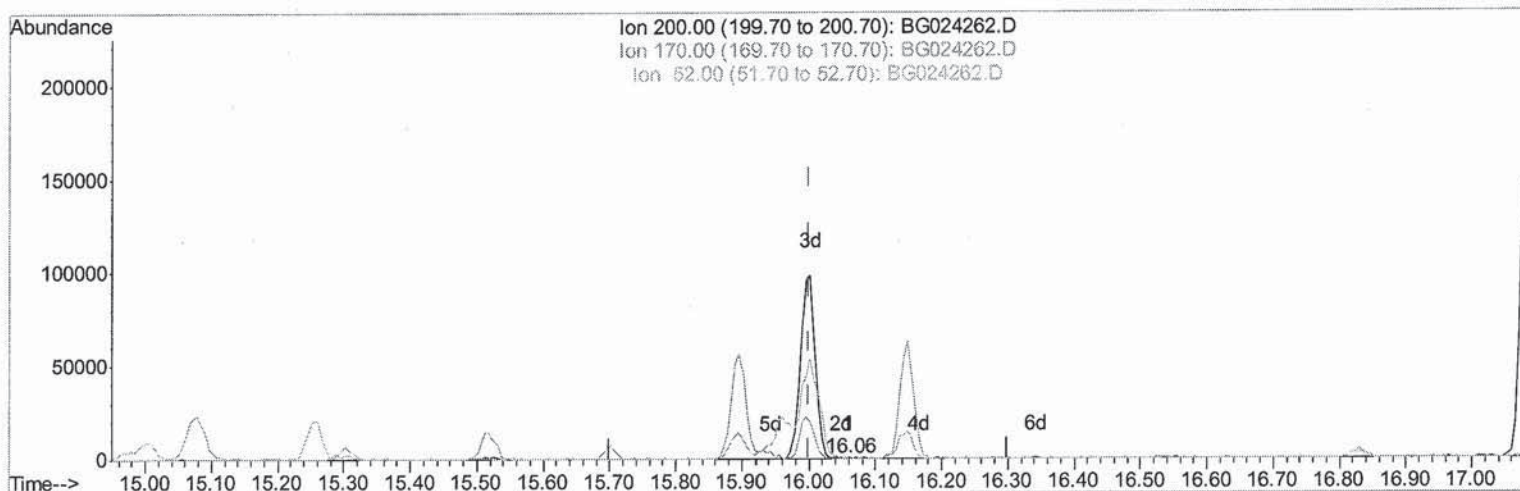
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TIC: BG024262.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.060min (+0.060) 0.06ng/ul

response 437

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	0.00#
52.00	32.20	53.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

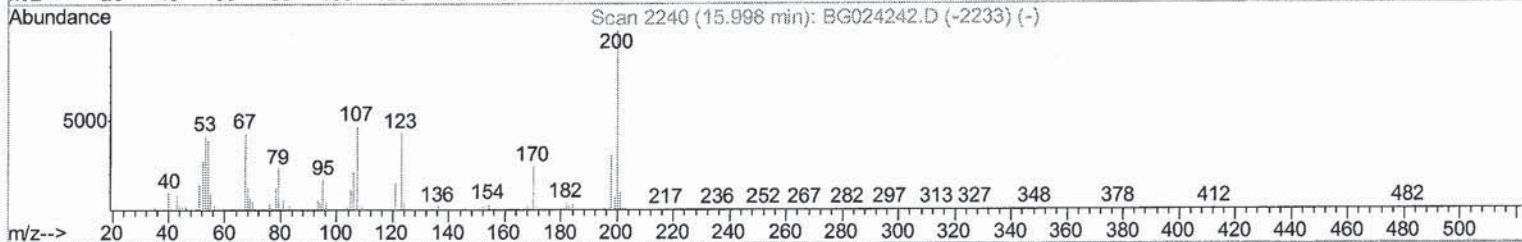
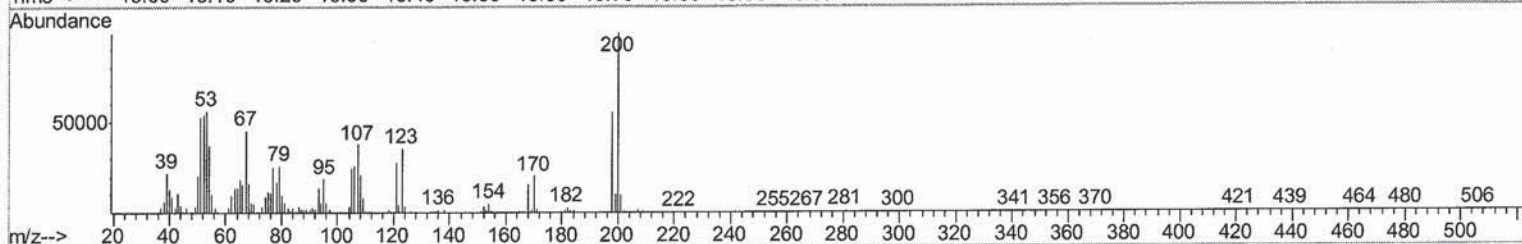
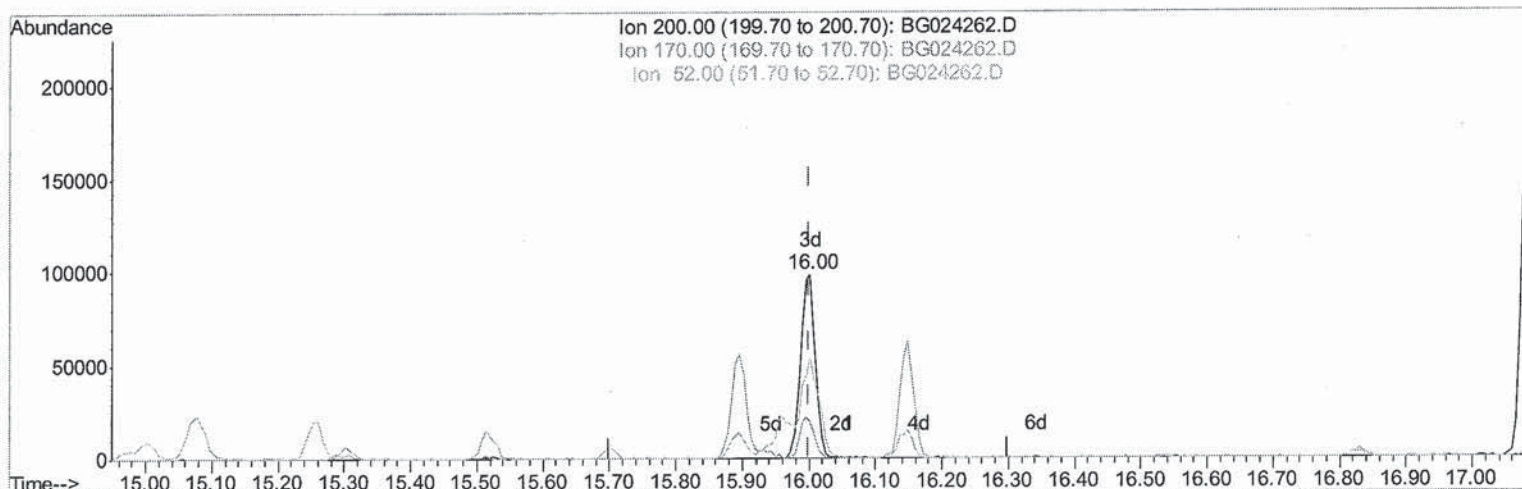
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Manual Integrations
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TIC: BG024262.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.001min (+0.002) 21.95ng/ul m

response 151271

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	20.36#
52.00	32.20	55.12#
0.00	0.00	0.00

UM
 10/12/16

Quantitation Report (Qedit)

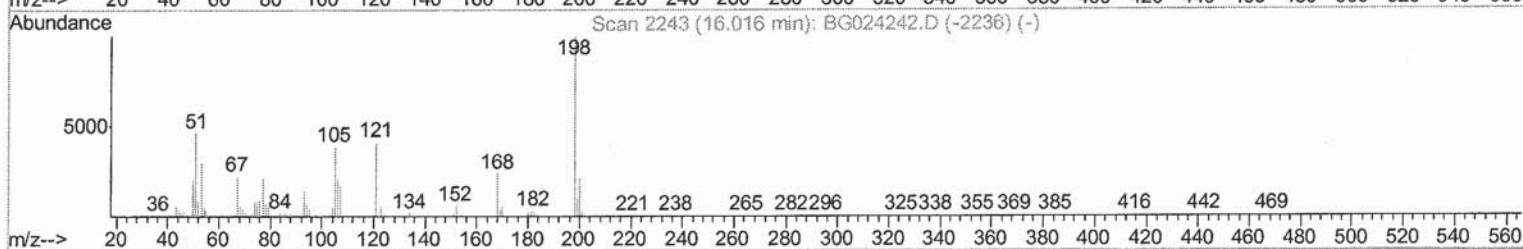
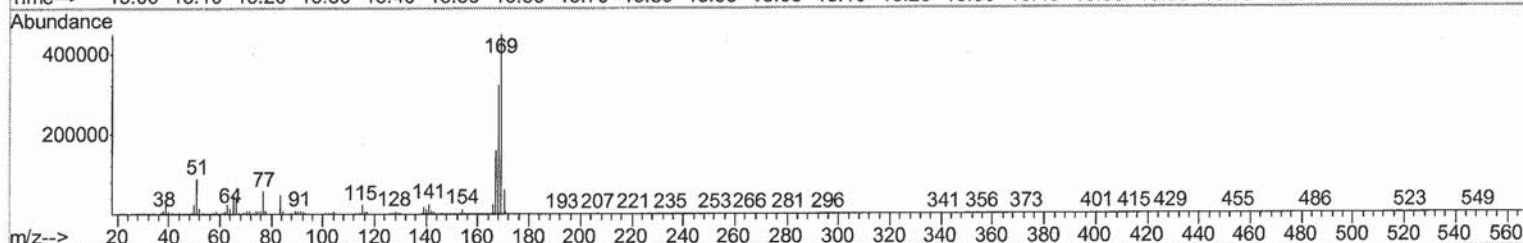
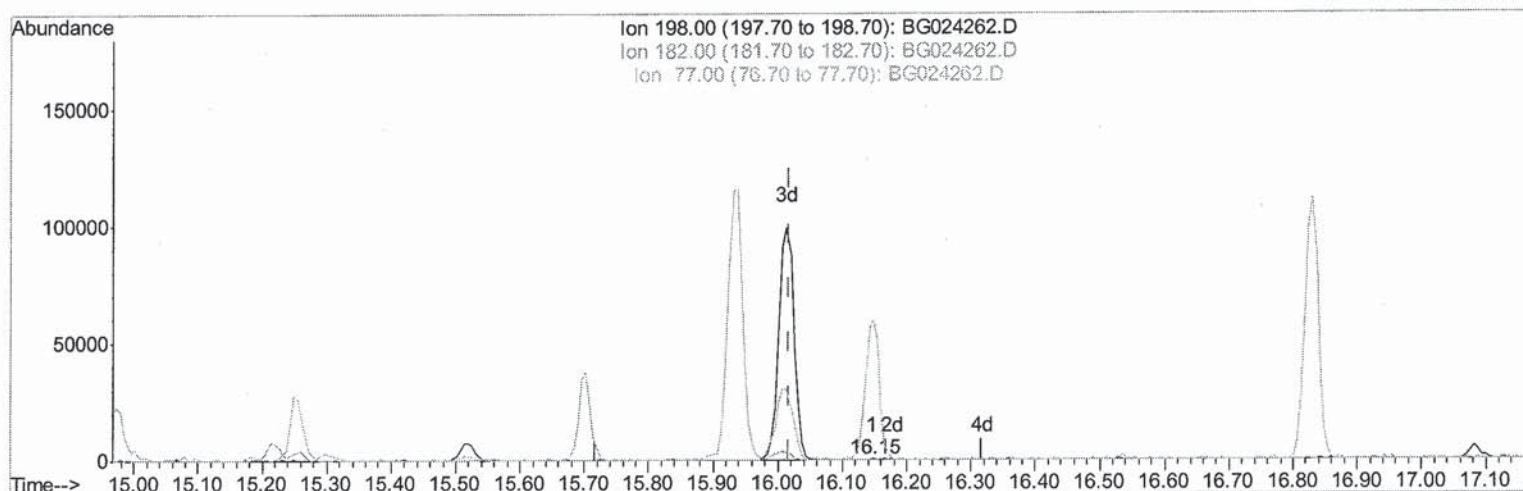
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TIC: BG024262.D

(63) 4,6-Dinitro-2-methylphenol

16.148min (+0.131) 0.03ng/ul

response 186

Ion	Exp%	Act%
198.00	100	100
182.00	5.20	49.15#
77.00	20.90	16684.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

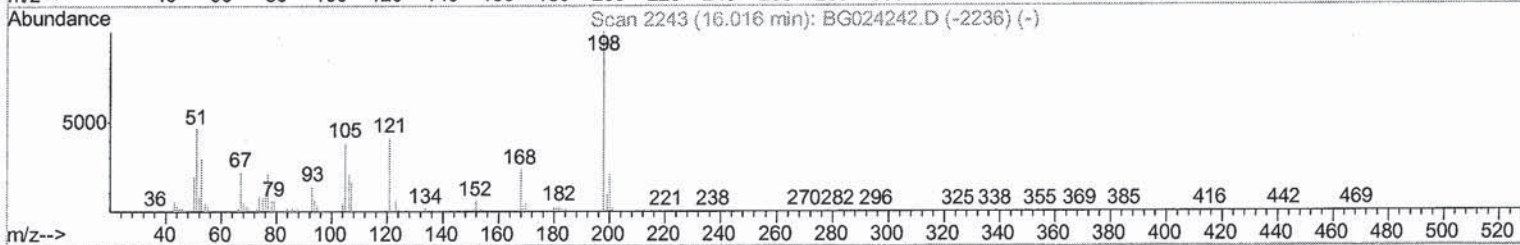
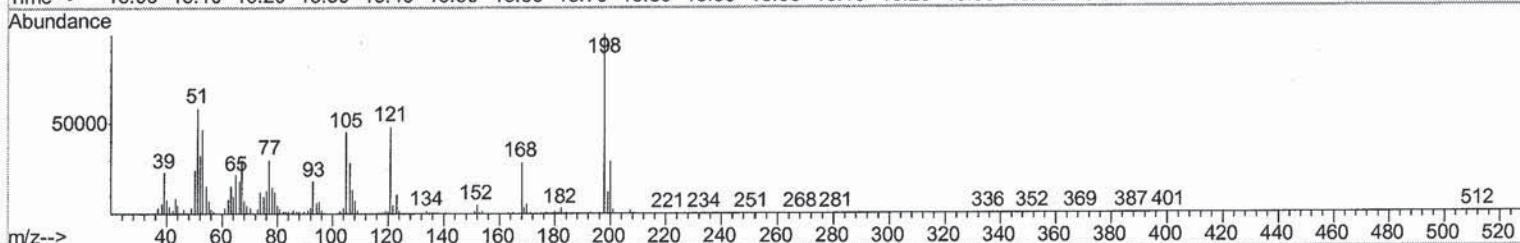
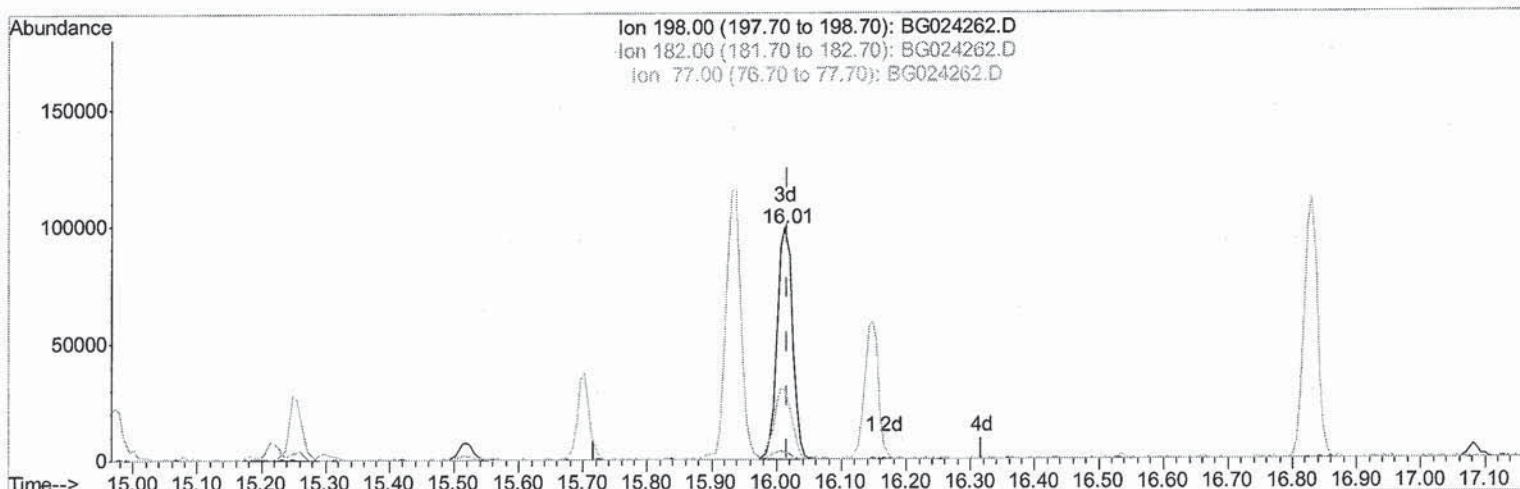
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TIC: BG024262.D

(63) 4,6-Dinitro-2-methylphenol

16.013min (-0.004) 21.73ng/ul m

response 156961

Ion	Exp%	Act%
198.00	100	100
182.00	5.20	3.44#
77.00	20.90	30.46#
0.00	0.00	0.00

UM
 10/12/16

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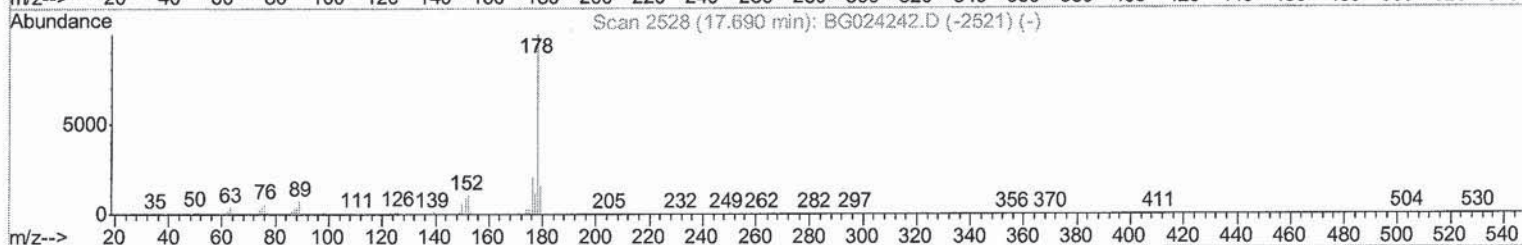
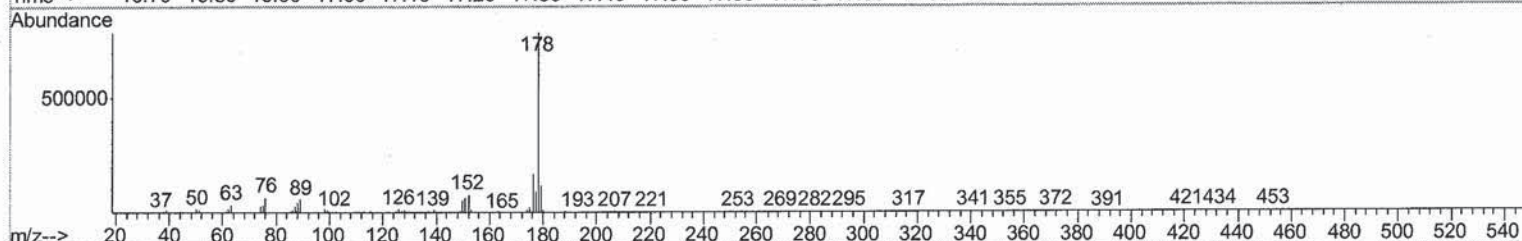
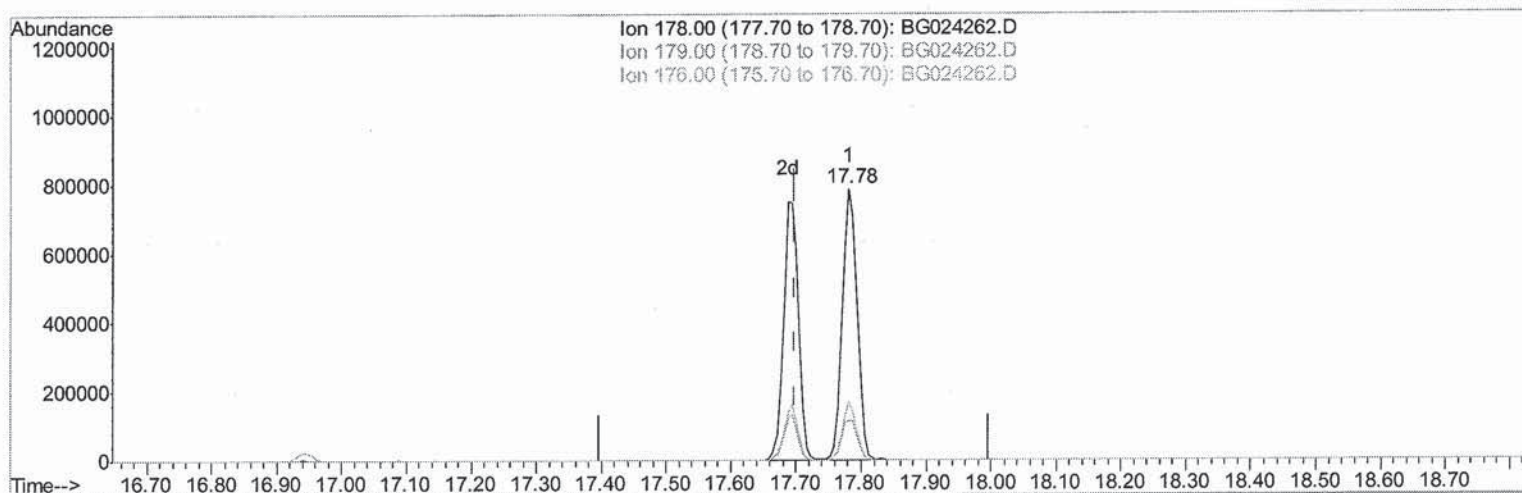
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(69) Phenanthrene

17.781min (+0.084) 21.16ng/ul

response 1224969

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	14.78
176.00	19.80	21.33
0.00	0.00	0.00

Quantitation Report (Qedit)

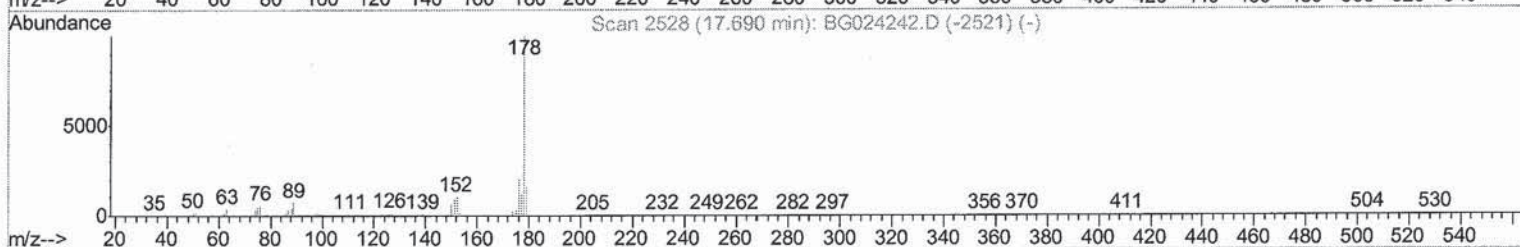
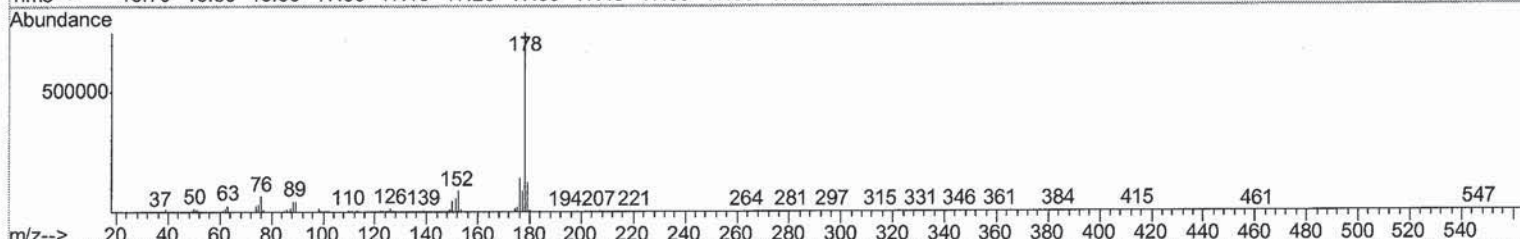
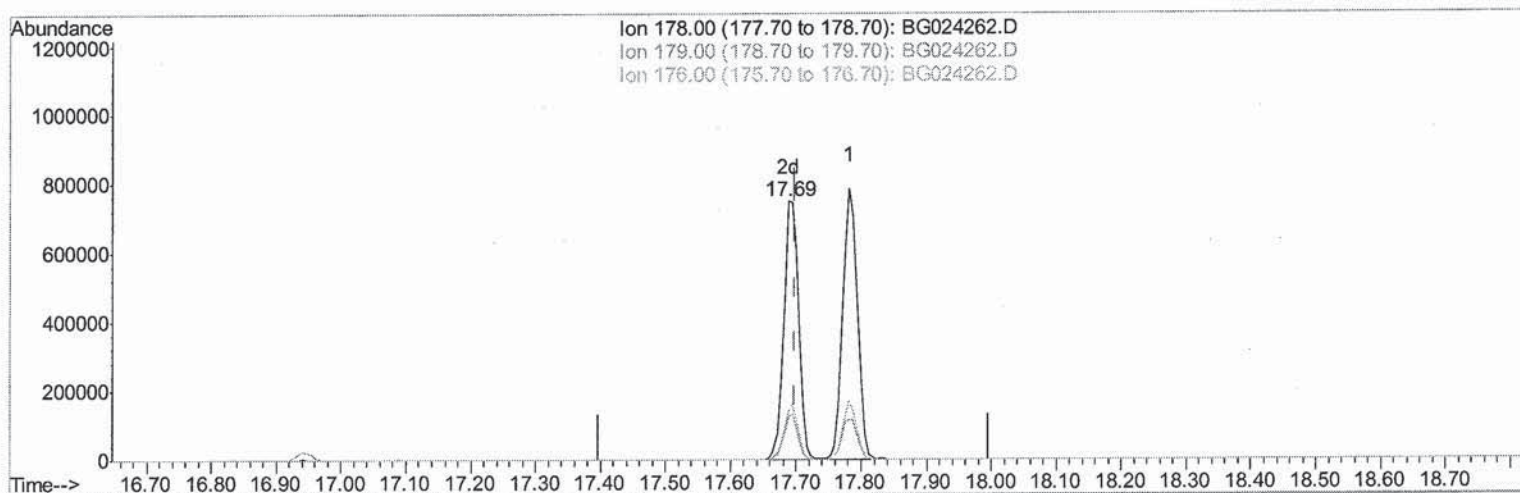
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
Data File : BG024262.D
Acq On : 11 Oct 2016 6:42
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02014

Manual Integrations
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10/11/2016 7:06:32 PM

Quant Time: Oct 11 12:16:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 10:18:36 2016
Response via : Initial Calibration



TIC: BG024262.D

(69) Phenanthrene

17.687min (-0.010) 21.08ng/ul m

response 1220104

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.38
176.00	19.80	18.47
0.00	0.00	0.00

LM
10/12/16

Quantitation Report (Qedit)

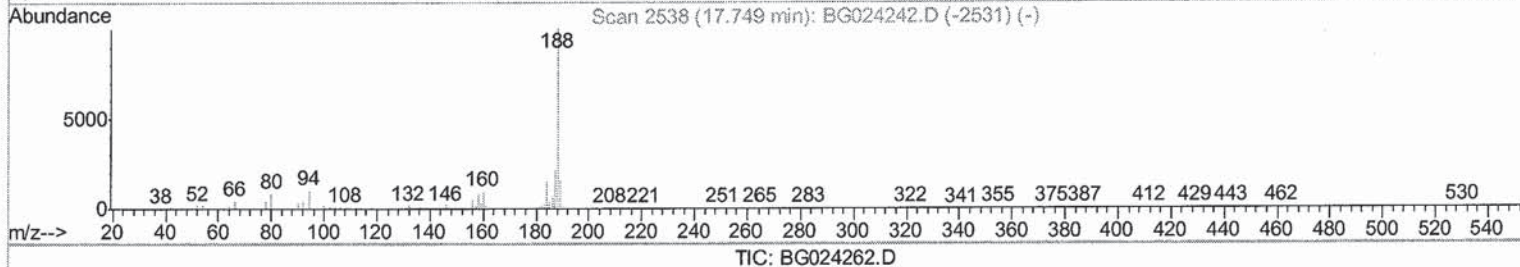
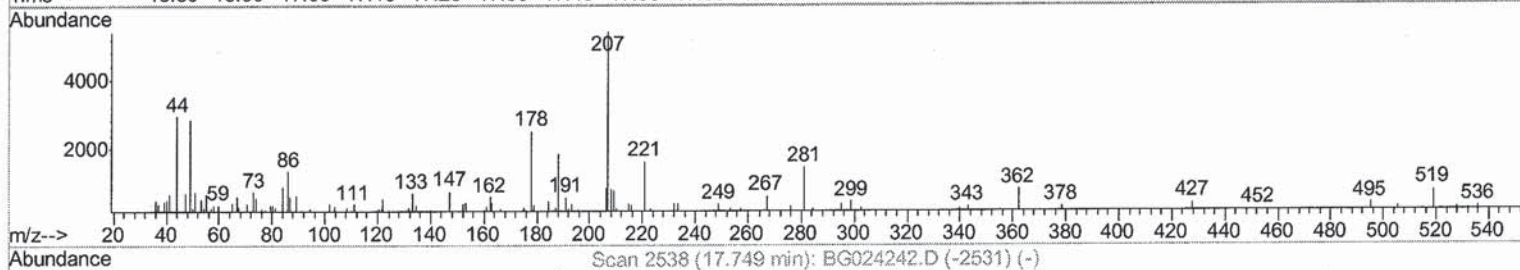
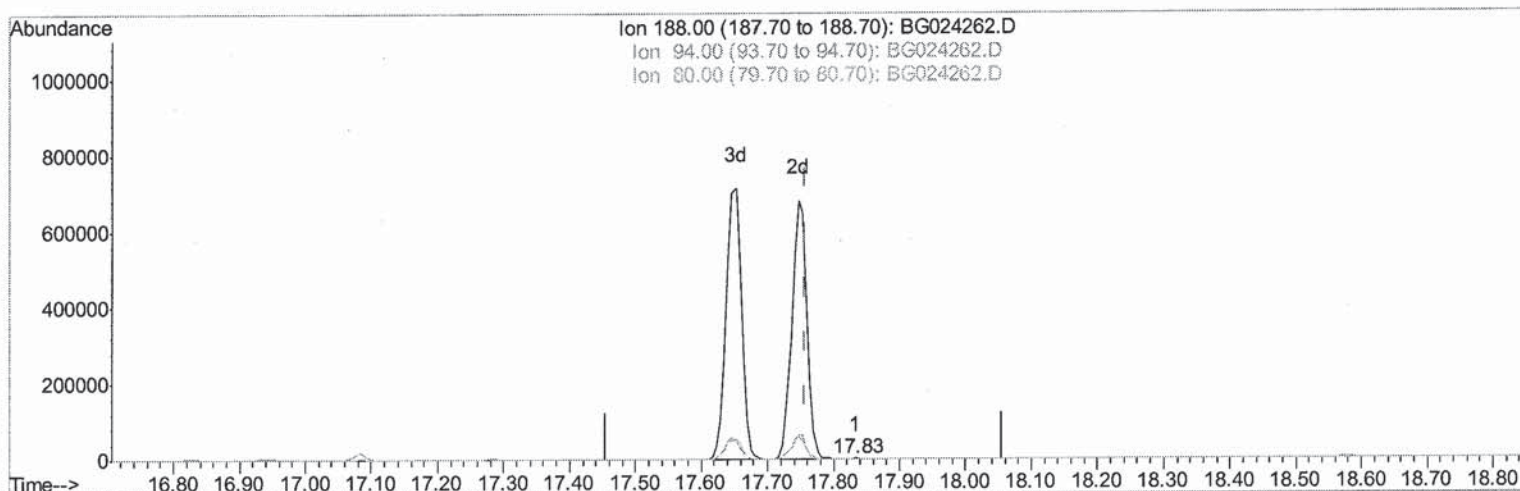
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
Data File : BG024262.D
Acq On : 11 Oct 2016 6:42
Operator : UM/SJ
Sample : SSTDCCC020EC
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(70) Anthracene-d10 (S)

17.834min (+0.078) 0.03ng/ul

response 1296

Ion	Exp%	Act%
188.00	100	100
94.00	12.80	11.80
80.00	11.90	17.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

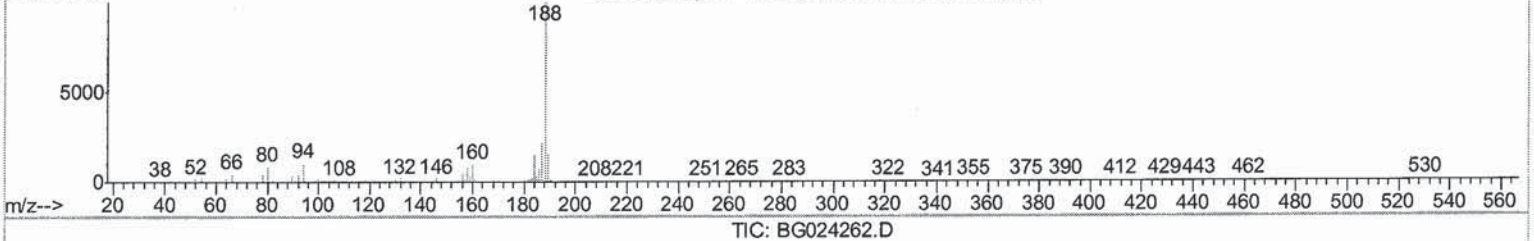
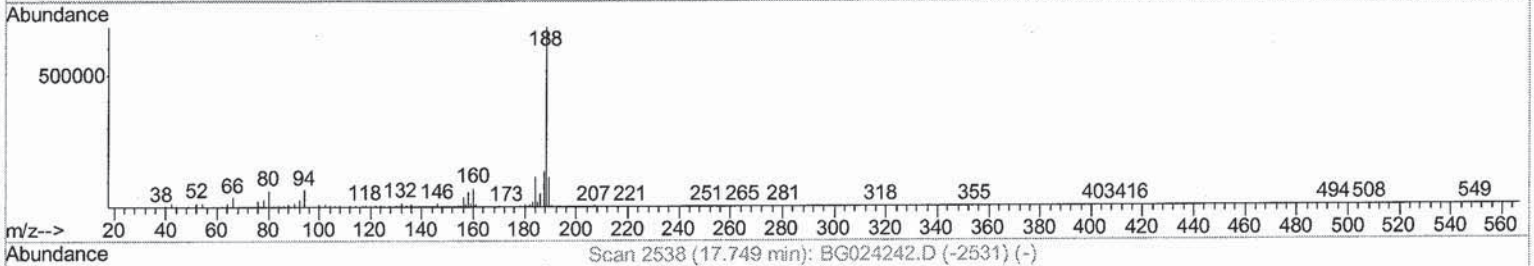
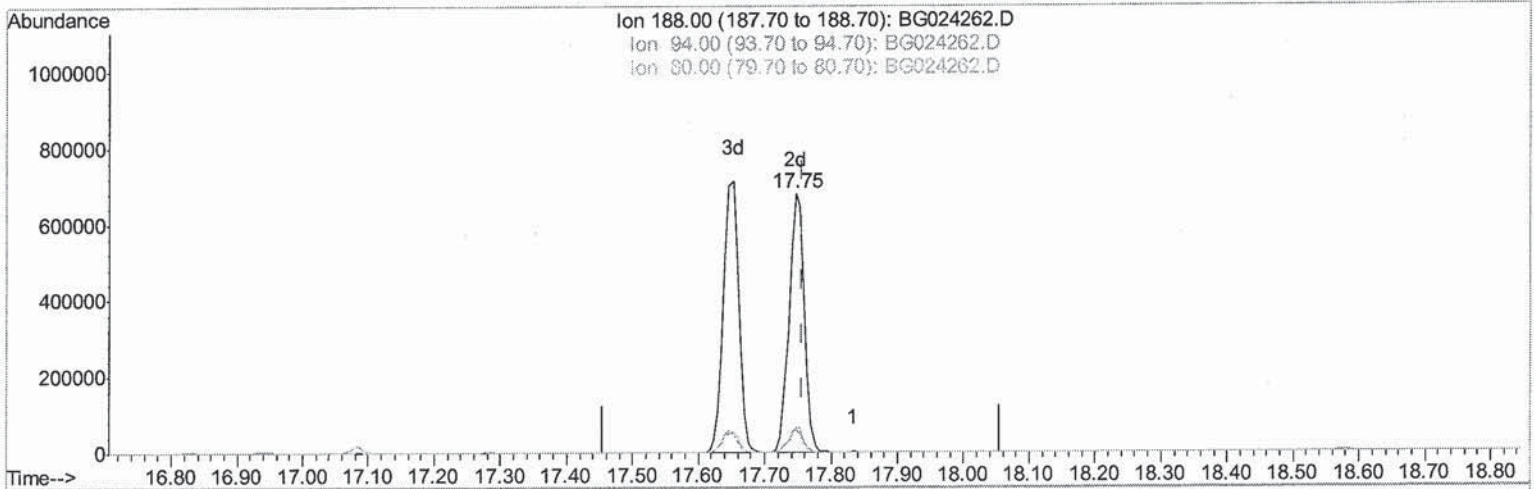
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
 Data File : BG024262.D
 Acq On : 11 Oct 2016 6:42
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Oct 11 12:16:21 2016
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 QLast Update : Tue Oct 11 10:18:36 2016
 Response via : Initial Calibration



(70) Anthracene-d10 (S)

17.746min (-0.010) 21.20ng/ul m

response 1097698

cr
 10/12/16

Ion	Exp%	Act%
188.00	100	100
94.00	12.80	9.56#
80.00	11.90	9.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

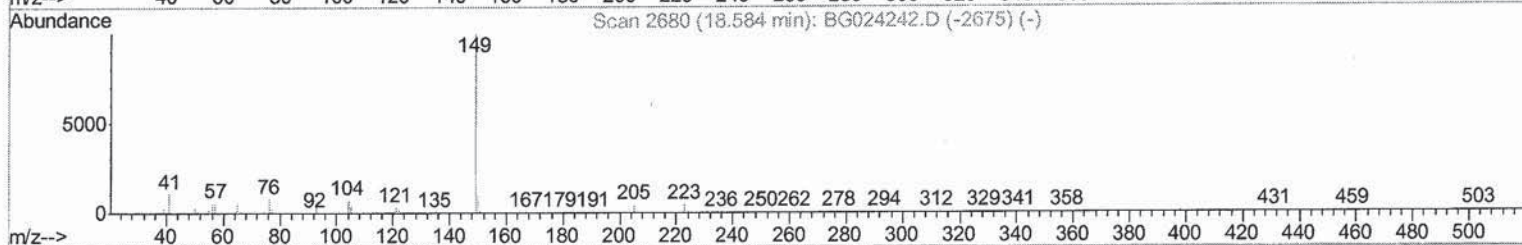
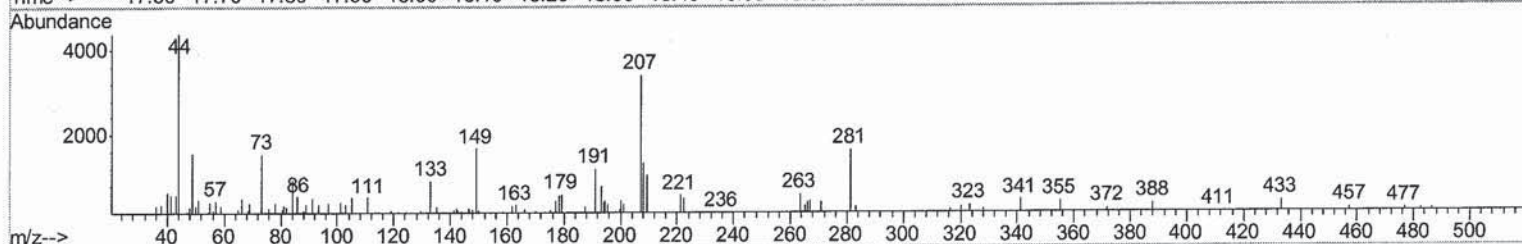
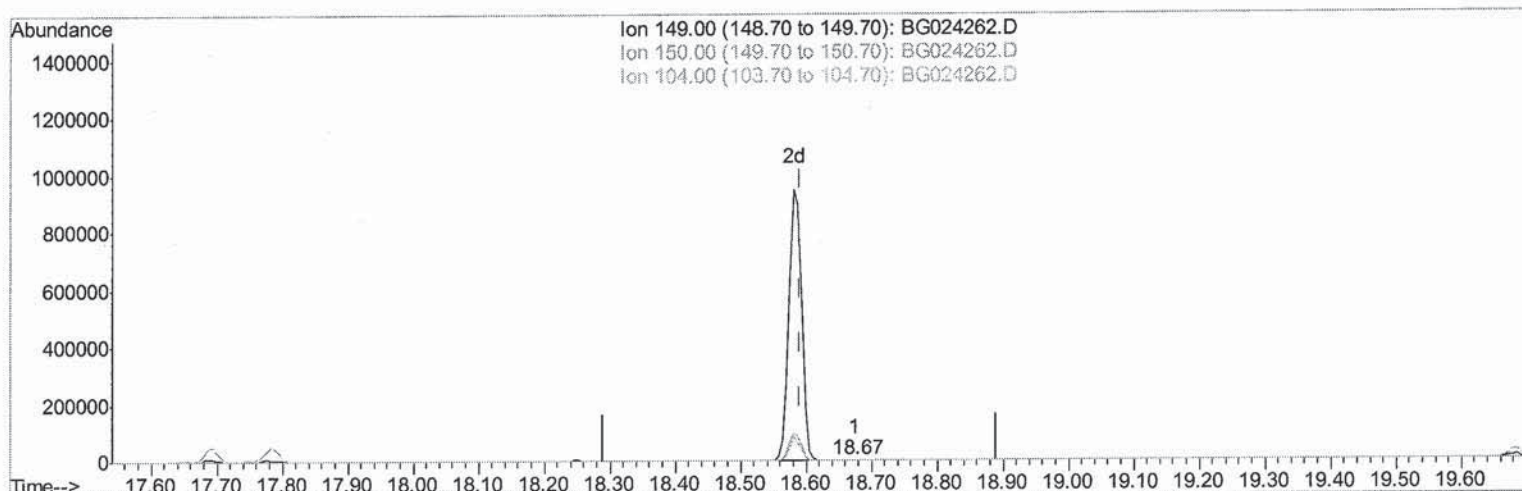
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
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 Acq On : 11 Oct 2016 6:42
 Operator : UM/SJ
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TIC: BG024262.D

(73) Di-n-butylphthalate

18.674min (+0.084) 0.03ng/ul

response 1589

Ion	Exp%	Act%
149.00	100	100
150.00	8.90	12.10#
104.00	4.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

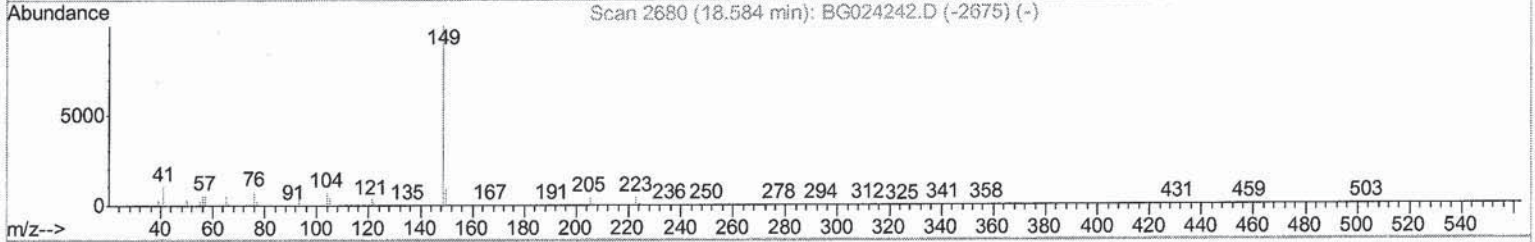
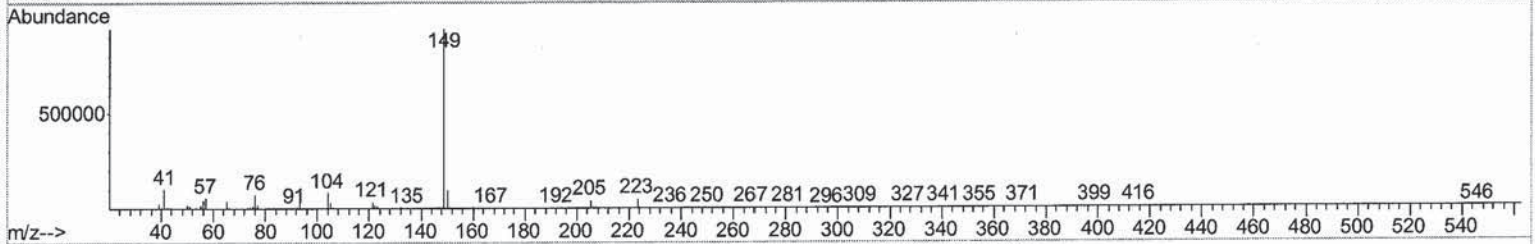
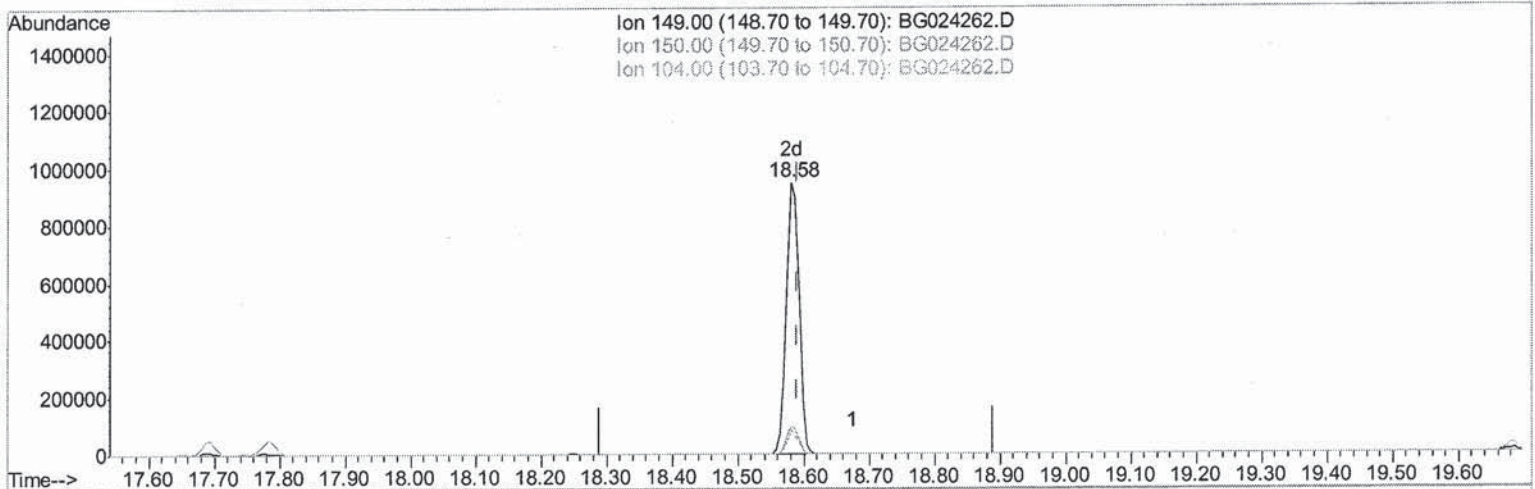
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
 Data File : BG024262.D
 Acq On : 11 Oct 2016 6:42
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02014

Manual Integrations
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Quant Time: Oct 11 12:16:21 2016
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 QLast Update : Tue Oct 11 10:18:36 2016
 Response via : Initial Calibration



(73) Di-n-butylphthalate

18.580min (-0.010) 22.40ng/ul m

response 1266505

Ion	Exp%	Act%
149.00	100	100
150.00	8.90	10.10
104.00	4.10	8.63#
0.00	0.00	0.00

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Quantitation Report (Qedit)

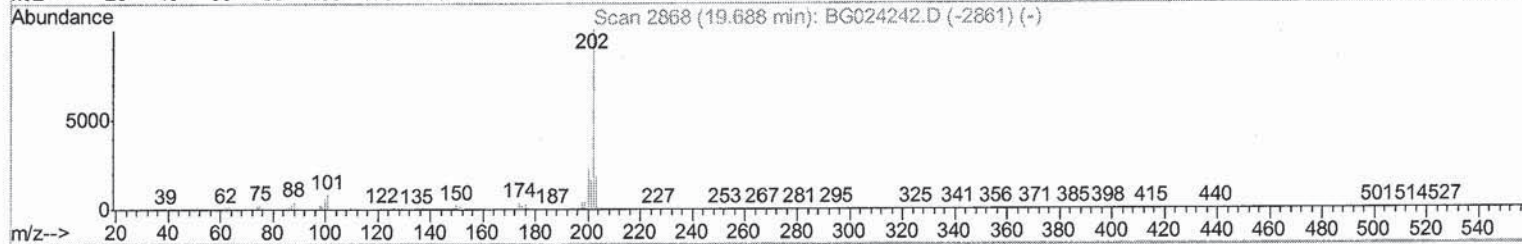
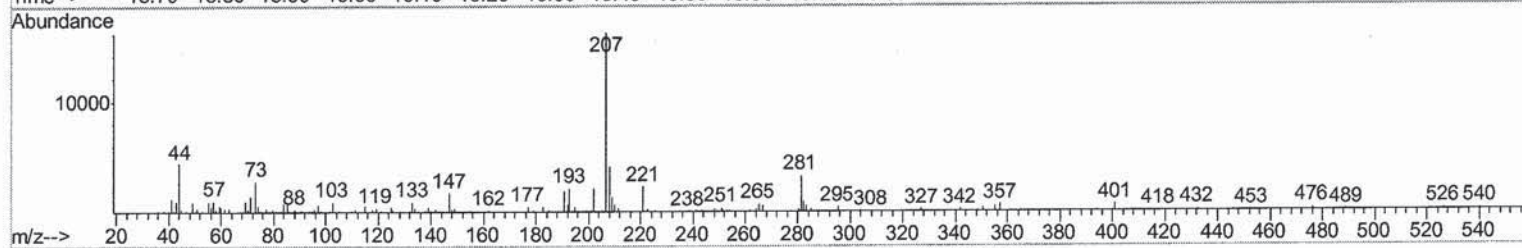
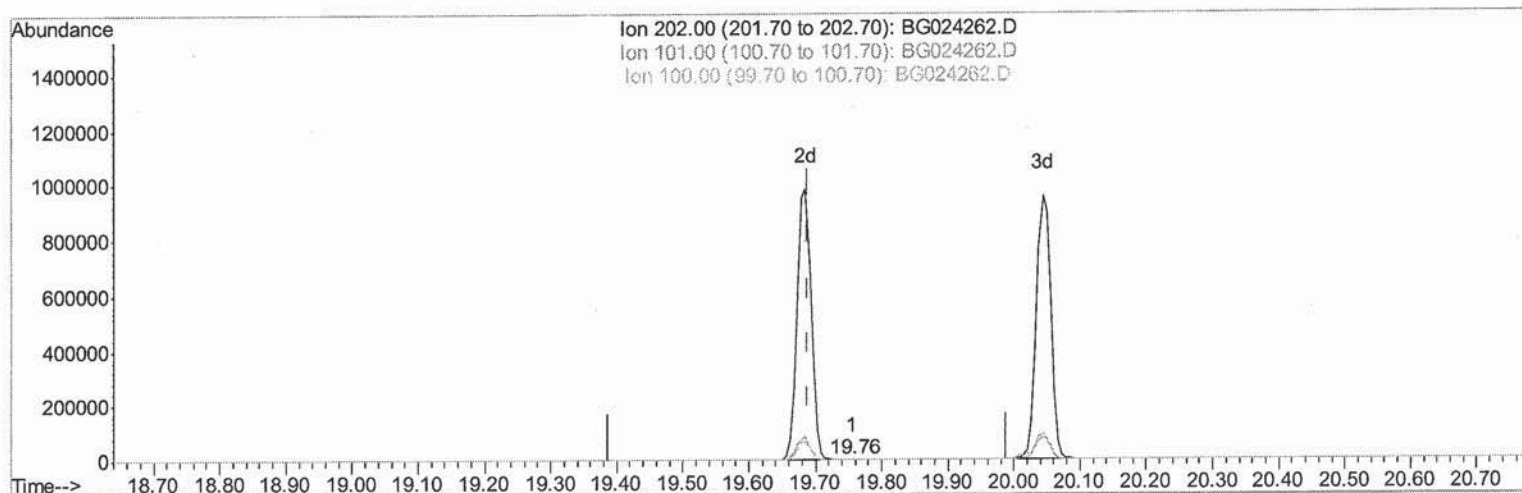
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
Data File : BG024262.D
Acq On : 11 Oct 2016 6:42
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02014

Manual Integrations
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Response via : Initial Calibration



TIC: BG024262.D

(74) Fluoranthene (C)

19.756min (+0.066) 0.03ng/ul

response 1694

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	7.24#
100.00	10.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

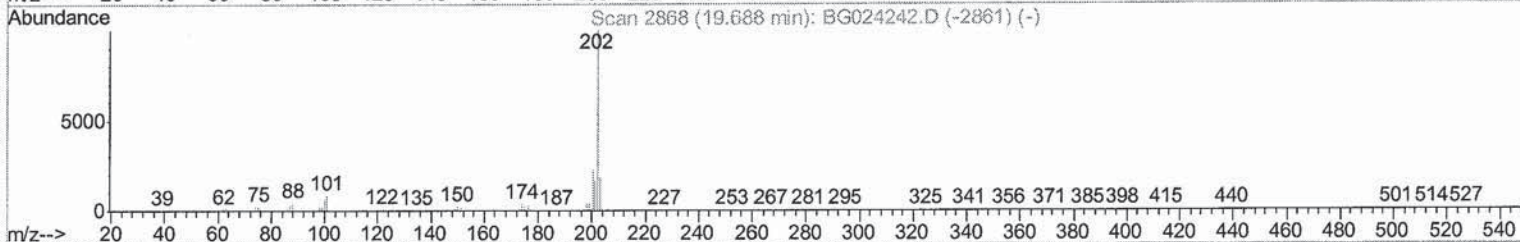
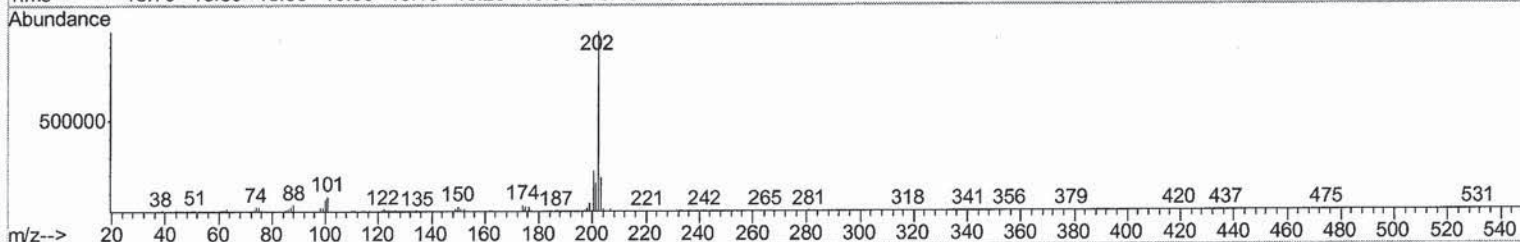
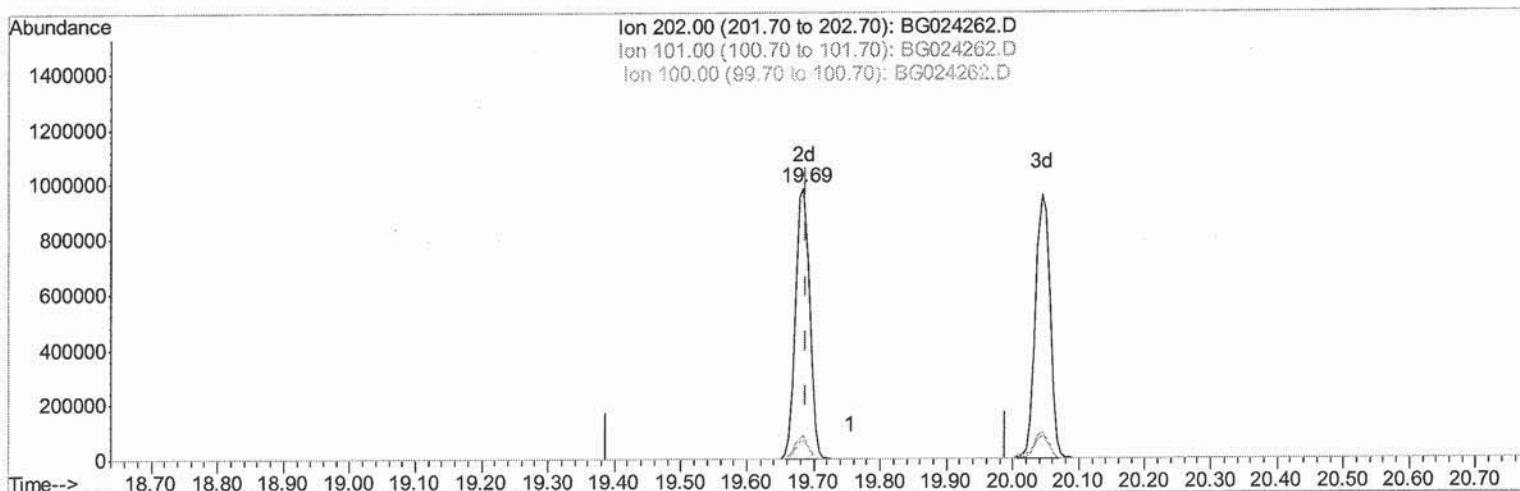
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
 Data File : BG024262.D
 Acq On : 11 Oct 2016 6:42
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integrations
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 Response via : Initial Calibration



(74) Fluoranthene (C)

19.685min (-0.004) 24.83ng/ul m

response 1451774

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	8.51#
100.00	10.90	6.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

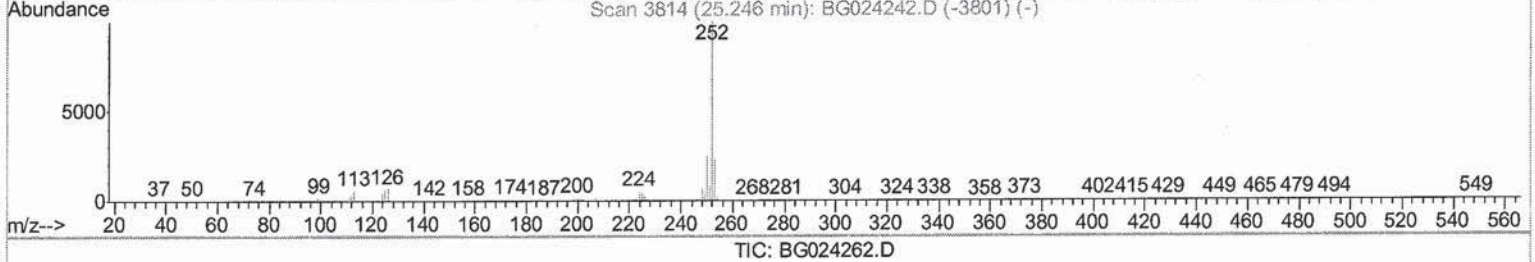
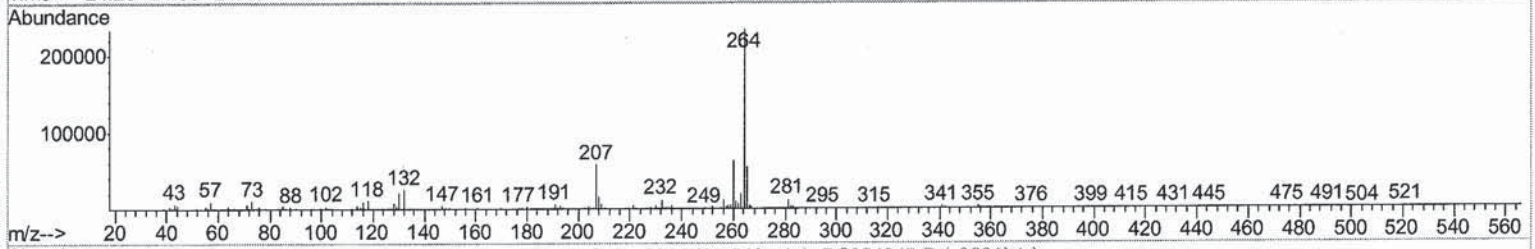
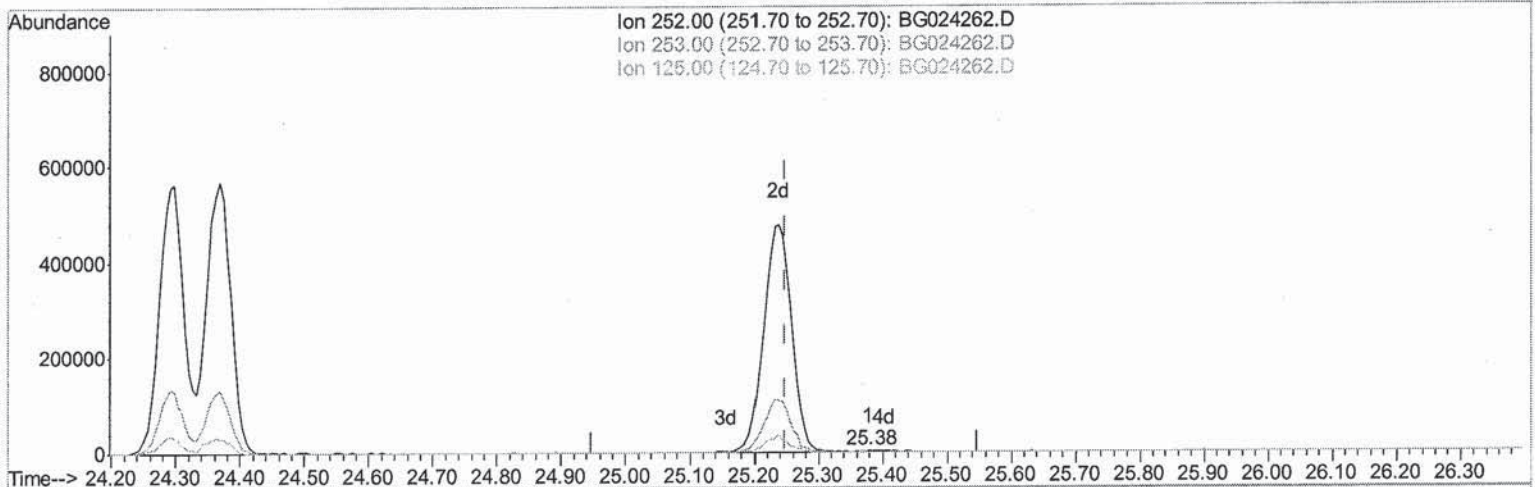
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
 Data File : BG024262.D
 Acq On : 11 Oct 2016 6:42
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 LabSampleId :
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Manual Integrations
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(88) Benzo(a)pyrene (C)

25.378min (+0.131) 0.05ng/ul

response 3680

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	21.49
125.00	15.00	12.72
0.00	0.00	0.00

Quantitation Report (Qedit)

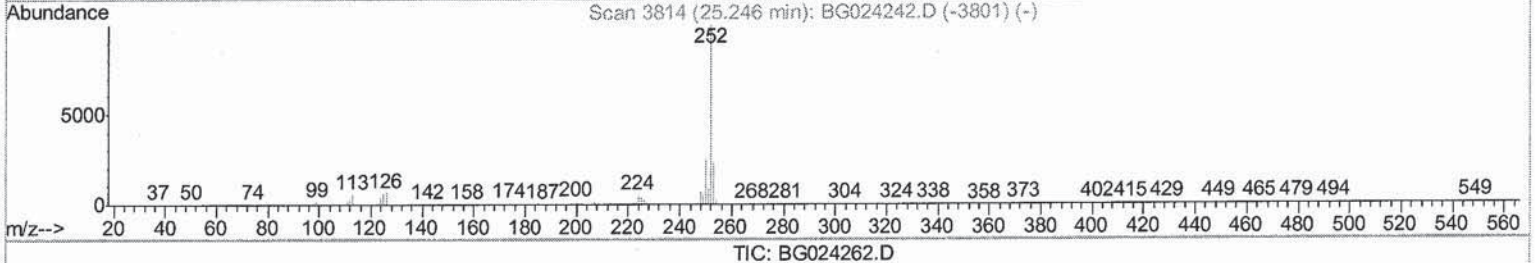
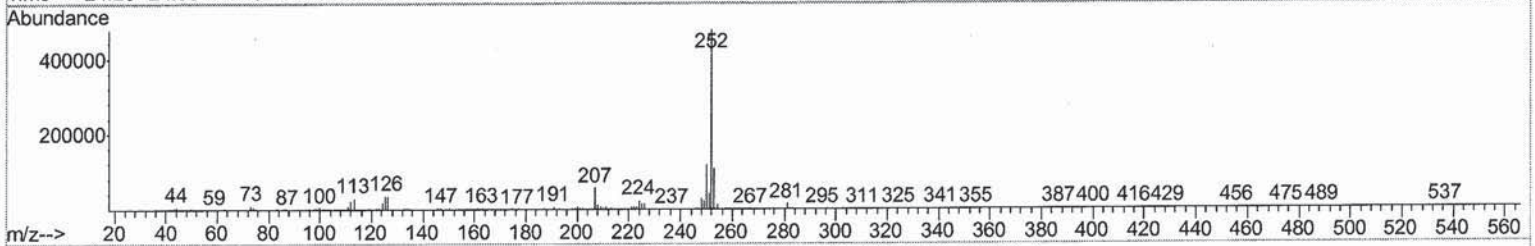
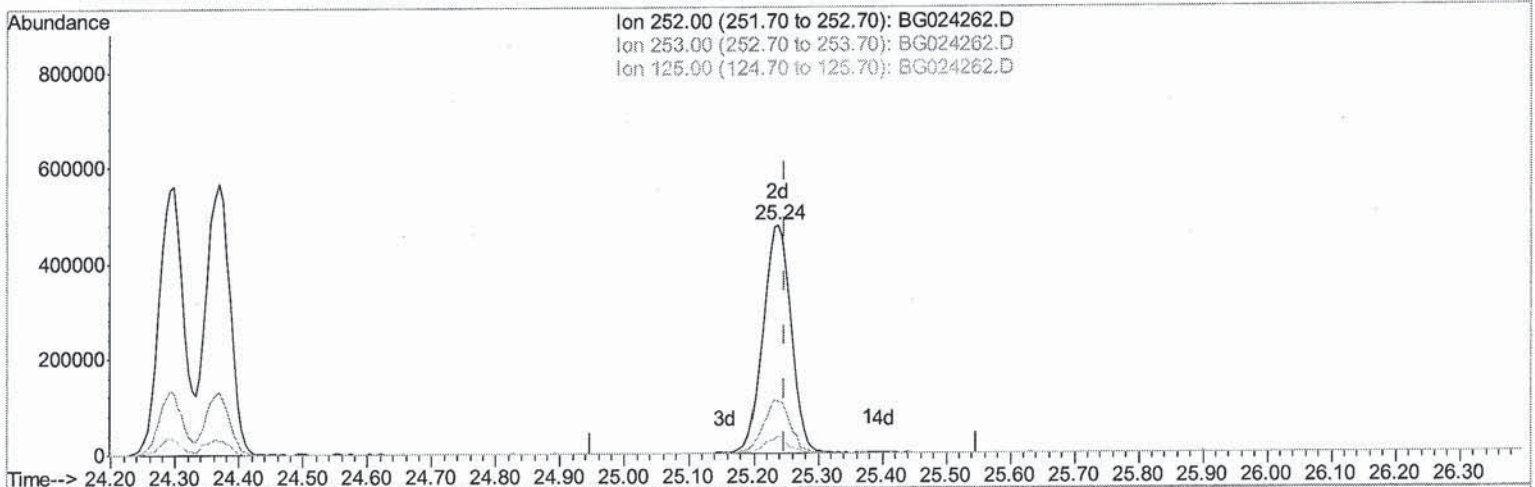
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
 Data File : BG024262.D
 Acq On : 11 Oct 2016 6:42
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integrations
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 QLast Update : Tue Oct 11 10:18:36 2016
 Response via : Initial Calibration



(88) Benzo(a)pyrene (C)

25.237min (-0.010) 20.65ng/ul m

response 1463655

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	22.73
125.00	15.00	7.42#
0.00	0.00	0.00

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 10/12/16

Quantitation Report (Qedit)

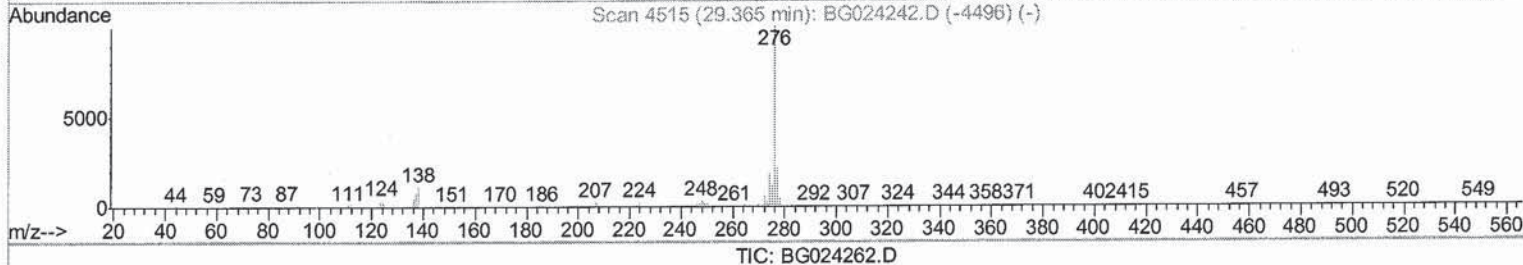
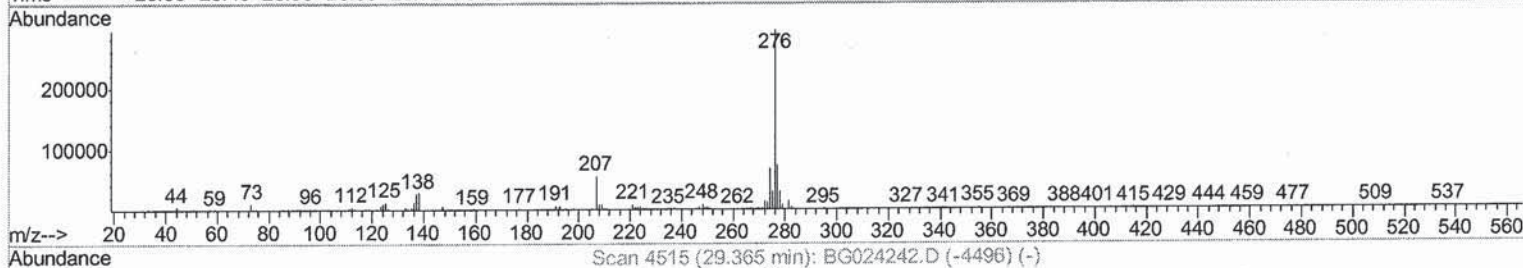
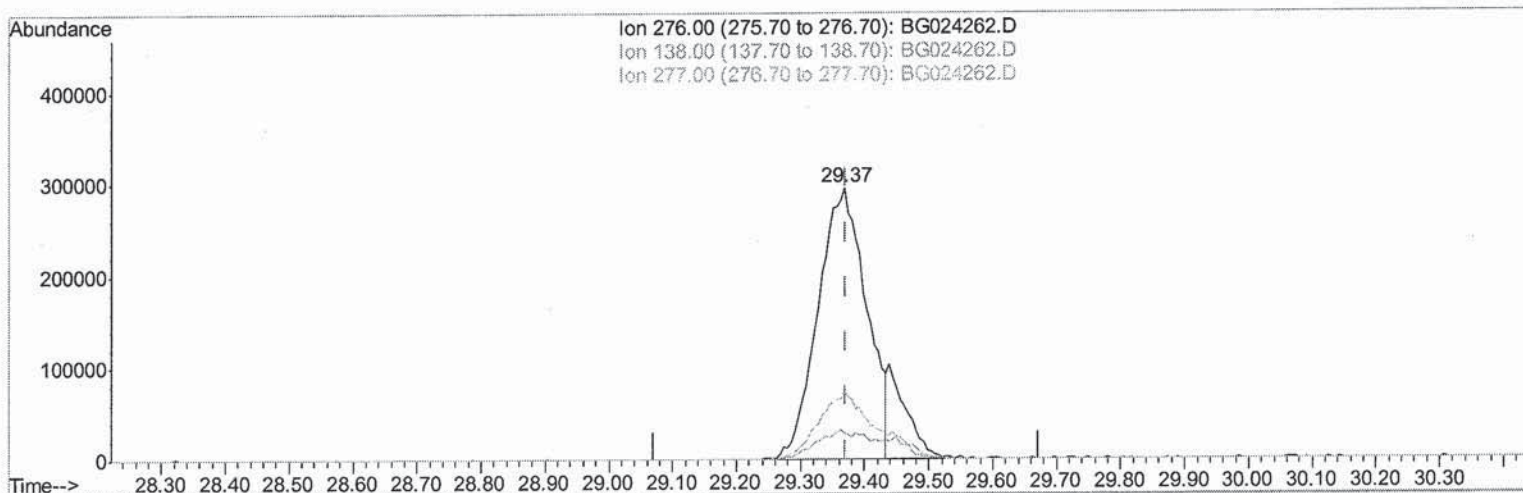
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
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 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Manual Integrations
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(89) Indeno(1,2,3-cd)pyrene

29.368min (-0.004) 18.51ng/ul

response 1553610

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	9.55#
277.00	22.00	24.46
0.00	0.00	0.00

Quantitation Report (Qedit)

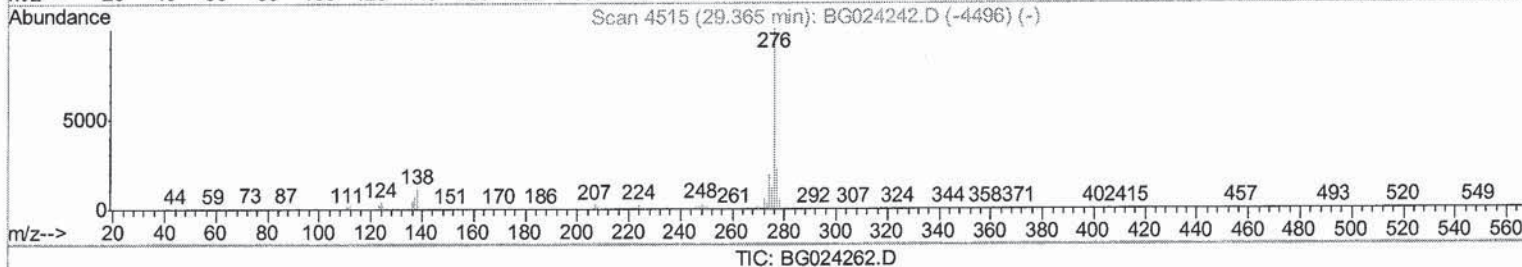
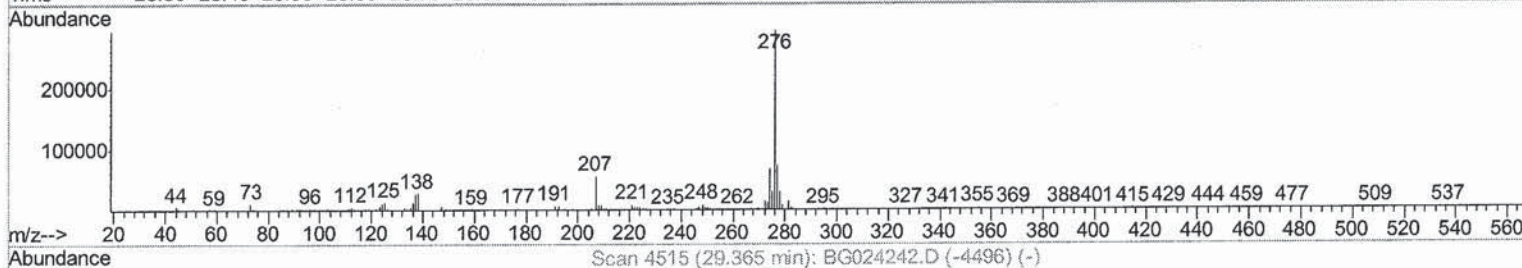
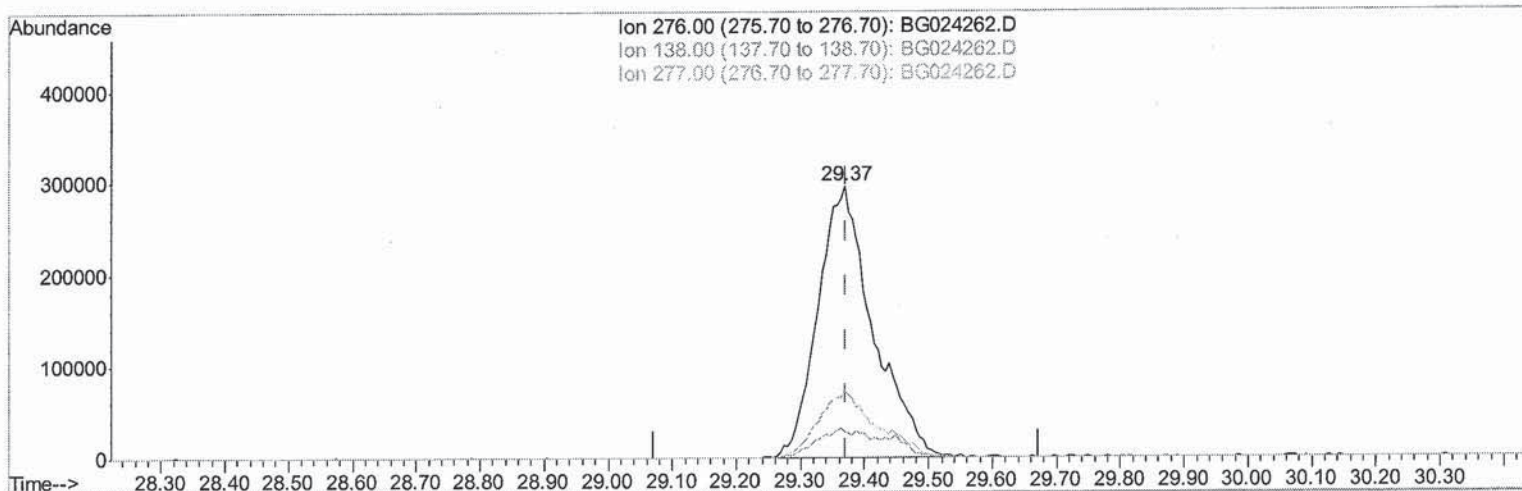
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
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Manual Integrations
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(89) Indeno(1,2,3-cd)pyrene

29.368min (-0.004) 20.95ng/ul m

response 1758576

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	9.55#
277.00	22.00	24.46
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG101016\
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Manual Integrations
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	133068	20.00	ng/ul	-0.01
18) Naphthalene-d8	11.12	136	580735	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.91	164	496393	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.65	188	1146554m	20.00	ng/ul	0.00
75) Chrysene-d12	21.95	240	1287132	20.00	ng/ul	0.00
83) Perylene-d12	25.40	264	1340323	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	22060	7.87	ng/uL	0.00
5) Phenol-d5	7.42	99	235306	18.95	ng/ul	-0.01
7) Bis-(2-Chloroethyl) ether-d	7.61	67	156900	18.69	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.82	132	166168	19.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.98	113	205327	20.46	ng/ul	-0.01
19) Nitrobenzene-d5	9.46	128	84292m	20.45	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.20	143	94142	20.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.72	165	198665	19.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.25	131	248532	23.56	ng/ul	0.00
43) Dimethylphthalate-d6	14.30	166	733895	21.17	ng/ul	0.00
46) Acenaphthylene-d8	14.60	160	841238	21.19	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.07	143	139681	22.73	ng/ul	0.00
57) Fluorene-d10	15.90	176	683310	20.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.00	200	151271m	21.95	ng/ul	0.00
70) Anthracene-d10	17.75	188	1097698m	21.20	ng/ul	-0.01
76) Pyrene-d10	20.01	212	1264952	21.06	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.16	264	1230703	20.41	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.69	88	25906	8.53	ng/uL# 73
4) Benzaldehyde	7.42	77	182105	20.84	ng/ul# 78
6) Phenol	7.45	94	252852	20.07	ng/ul# 46
8) Bis(2-Chloroethyl) ether	7.70	93	180373m	19.44	ng/ul 79
10) 2-Chlorophenol	7.85	128	166752	19.25	ng/ul# 79
11) 2-Methylphenol	8.72	108	183099	19.62	ng/ul 95
12) 2,2'-oxybis(1-Chloropropan	8.82	45	365131	19.71	ng/ul# 87
14) Acetophenone	9.12	105	300389	20.15	ng/ul# 68
15) N-Nitroso-di-n-propylamine	9.09	70	178281	19.84	ng/ul# 66
16) 4-Methylphenol	9.04	108	193708	19.57	ng/ul 94
17) Hexachloroethane	9.39	117	81176	20.26	ng/ul# 83
20) Nitrobenzene	9.51	77	265484	20.36	ng/ul# 77
21) Isophorone	10.03	82	505746	21.33	ng/ul# 90
23) 2-Nitrophenol	10.23	139	105038	20.90	ng/ul# 44
24) 2,4-Dimethylphenol	10.26	107	246474	19.91	ng/ul 88
25) Bis(2-Chloroethoxy)methane	10.51	93	263348	20.27	ng/ul# 97
27) 2,4-Dichlorophenol	10.75	162	197307	20.49	ng/ul 96
28) Naphthalene	11.17	128	569153	20.35	ng/ul 98
30) 4-Chloroaniline	11.27	127	246552	23.03	ng/ul 97
31) Hexachlorobutadiene	11.44	225	155555	20.17	ng/ul 99
32) Caprolactam	12.05	113	79667m	21.77	ng/ul 79
33) 4-Chloro-3-methylphenol	12.36	107	258222	21.92	ng/ul# 79
34) 2-Methylnaphthalene	12.76	142	462337	20.80	ng/ul 95

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 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 LabSampleId :
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Manual Integrations
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Quant Time: Oct 11 12:19:31 2016
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
36) 1,2,4,5-Tetrachlorobenzene	13.11	216	297556	20.33	ng/ul	99
37) Hexachlorocyclopentadiene	13.09	237	206923	19.28	ng/ul	92
38) 2,4,6-Trichlorophenol	13.35	196	199522	21.02	ng/ul	99
39) 2,4,5-Trichlorophenol	13.41	196	214297	20.55	ng/ul	97
40) 1,1'-Biphenyl	13.74	154	646833	20.12	ng/ul	96
41) 2-Chloronaphthalene	13.79	162	522366	20.73	ng/ul	98
42) 2-Nitroaniline	13.99	65	219508	22.89	ng/ul#	55
44) Dimethylphthalate	14.35	163	712862	20.98	ng/ul#	97
45) 2,6-Dinitrotoluene	14.47	165	151617	22.99	ng/ul#	76
47) Acenaphthylene	14.63	152	794039	20.78	ng/ul	99
48) 3-Nitroaniline	14.80	138	151197	24.27	ng/ul#	65
49) Acenaphthene	14.97	153	563992	20.65	ng/ul	97
50) 2,4-Dinitrophenol	15.00	184	106132	23.99	ng/ul#	64
52) 4-Nitrophenol	15.08	109	172174	23.12	ng/ul#	56
53) Dibenzofuran	15.30	168	852735	21.22	ng/ul#	88
54) 2,4-Dinitrotoluene	15.25	165	221524	22.67	ng/ul#	62
55) 2,3,4,6-Tetrachlorophenol	15.51	232	232534	22.71	ng/ul	93
56) Diethylphthalate	15.70	149	772012	21.55	ng/ul	97
58) Fluorene	15.95	166	702858	21.15	ng/ul	96
59) 4-Chlorophenyl-phenylether	15.94	204	385925	20.92	ng/ul	95
60) 4-Nitroaniline	15.97	138	160565	22.38	ng/ul#	36
63) 4,6-Dinitro-2-methylphenol	16.01	198	156961m	21.73	ng/ul	um 10/11/16
64) N-Nitrosodiphenylamine	16.15	169	652658	20.12	ng/ul	97
65) 4-Bromophenyl-phenylether	16.83	248	269971	20.33	ng/ul	95
66) Hexachlorobenzene	16.94	284	310470	20.95	ng/ul	99
67) Atrazine	17.08	200	285388	21.52	ng/ul	94
68) Pentachlorophenol	17.29	266	197602	21.94	ng/ul	93
69) Phenanthrene	17.69	178	1220104m	21.08	ng/ul	um
71) Anthracene	17.78	178	1224969	20.79	ng/ul	98
72) Carbazole	18.05	167	1074415	23.24	ng/ul	97 } um 10/11/16
73) Di-n-butylphthalate	18.58	149	1266505m	22.40	ng/ul	
74) Fluoranthene	19.69	202	1451774m	24.83	ng/ul	
77) Pyrene	20.04	202	1457517	21.20	ng/ul#	87
78) Butylbenzylphthalate	20.91	149	583339	21.12	ng/ul#	80
79) 3,3'-Dichlorobenzidine	21.84	252	535063	22.32	ng/ul#	95
80) Benzo(a)anthracene	21.93	228	1533056	21.46	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.80	149	800455	20.49	ng/ul#	97
82) Chrysene	22.00	228	1418938	20.87	ng/ul	97
84) Di-n-octyl phthalate	23.09	149	1360555	21.64	ng/ul	100
85) Benzo(b)fluoranthene	24.30	252	1522882	20.46	ng/ul#	92
86) Benzo(k)fluoranthene	24.37	252	1429092	19.94	ng/ul#	88
88) Benzo(a)pyrene	25.24	252	1463655m	20.65	ng/ul	um 10/11/16
89) Indeno(1,2,3-cd)pyrene	29.37	276	1758576m	20.95	ng/ul	
90) Dibenzo(a,h)anthracene	29.45	278	1479085	20.83	ng/ul#	88
91) Benzo(g,h,i)perylene	30.61	276	1446050	20.48	ng/ul#	77

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