

Instrument :
BNA_G
ClientSampleId :
SSTD04029

sohil
11/28/2016 4:47:38 PM

[illegible]

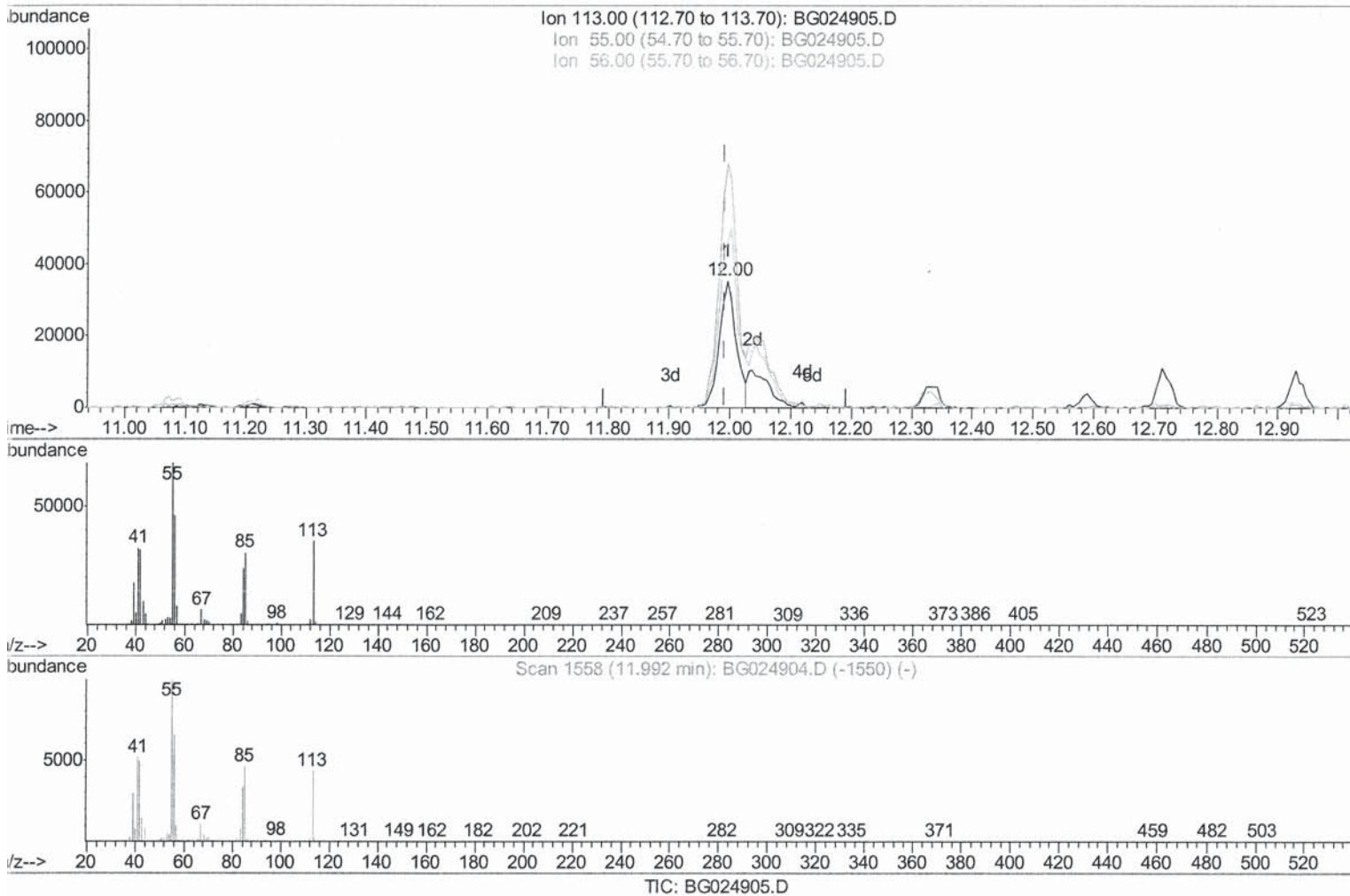
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
 Data File : BG024905.D
 Acq On : 23 Nov 2016 12:19
 Operator : UM/SJ
 Sample : SSTD04029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04029

Manual Integrations
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Quant Time: Nov 23 13:52:12 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG112316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 23 13:49:49 2016
 Response via : Initial Calibration



(32) Caprolactam

11.995min (+0.003) 30.47ng/ul

response 67905

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	192.30
56.00	160.60	130.46
0.00	0.00	0.00

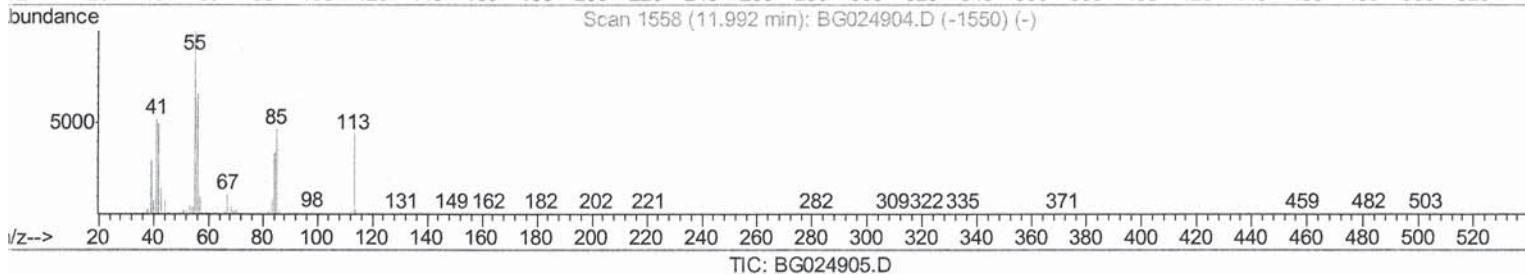
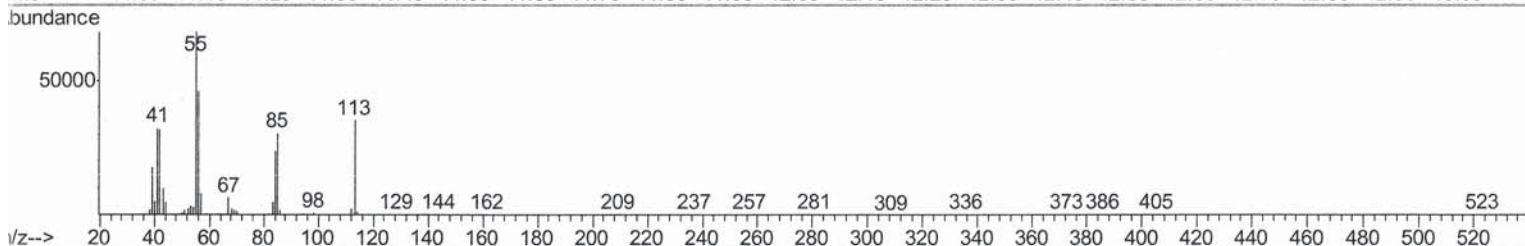
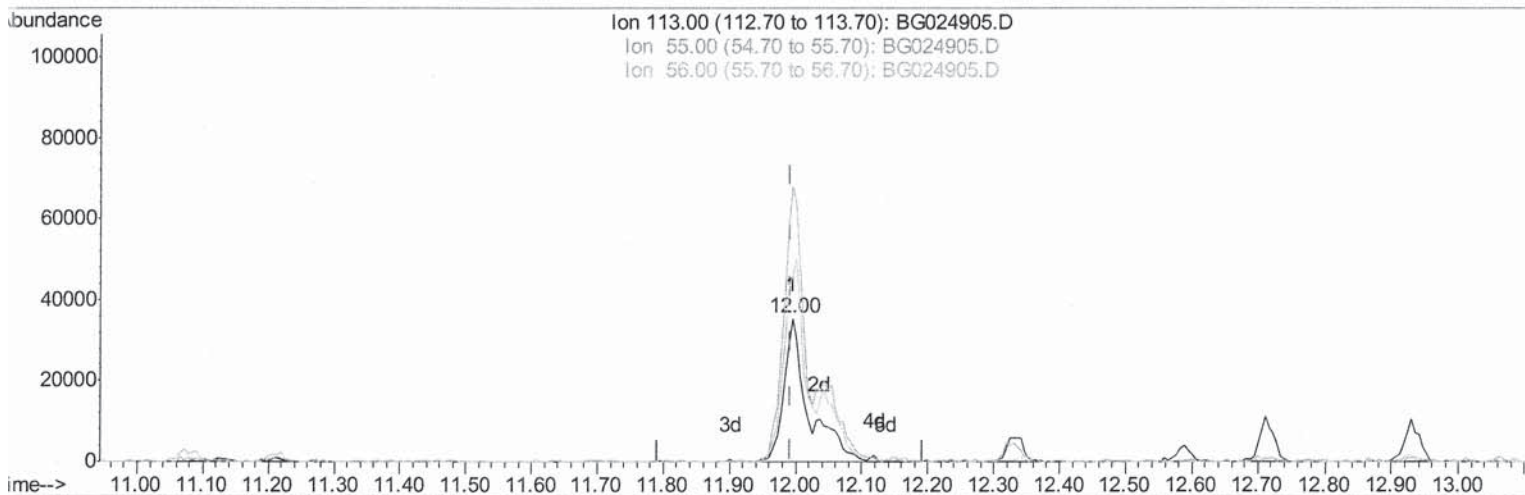
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
 Data File : BG024905.D
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 Response via : Initial Calibration



(32) Caprolactam

11.995min (+0.003) 41.87ng/ul m 0.77
 response 93307 11/28/16

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	192.30
56.00	160.60	130.46
0.00	0.00	0.00

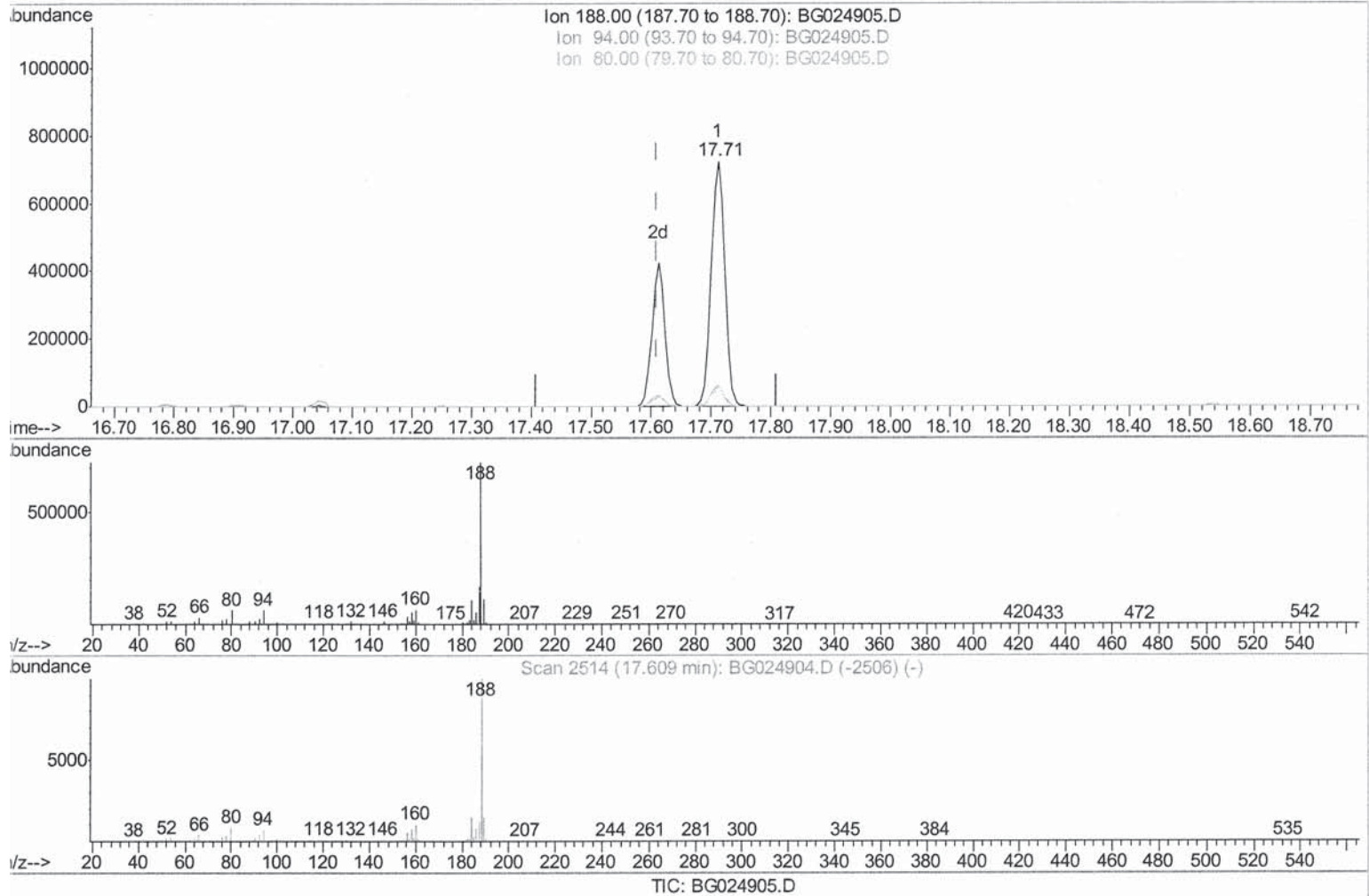
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
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(61) Phenanthrene-d10 (I)
17.712min (+0.103) 20.00ng/ul
response 1148152

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.81
80.00	9.50	8.61
0.00	0.00	0.00

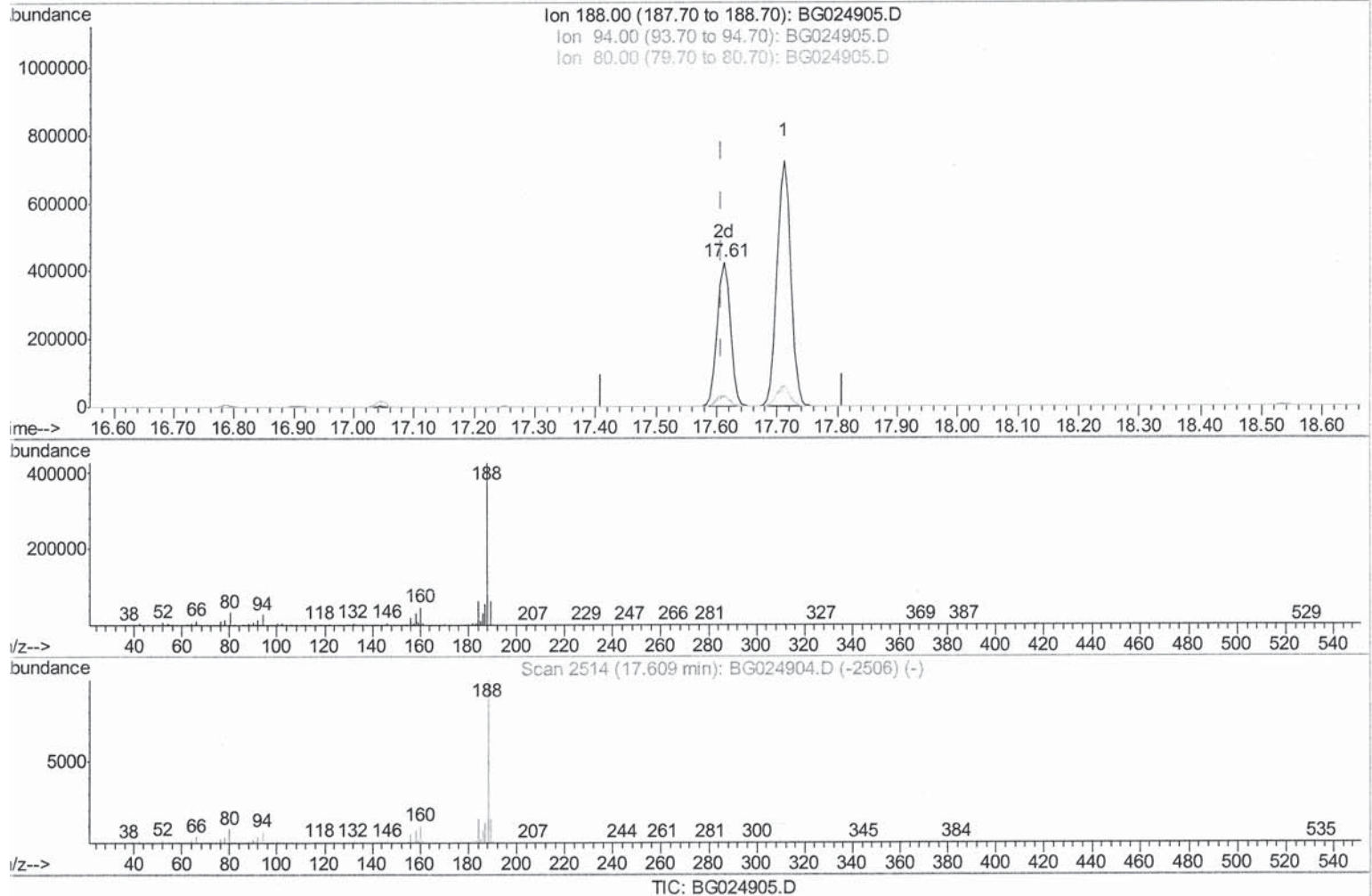
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
 Data File : BG024905.D
 Acq On : 23 Nov 2016 12:19
 Operator : UM/SJ
 Sample : SST04029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Nov 23 14:07:39 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG112316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 23 13:49:49 2016
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.612min (+0.003) 20.00ng/ul m

um

response 642696

11/28/16

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.61#
80.00	9.50	8.05
0.00	0.00	0.00

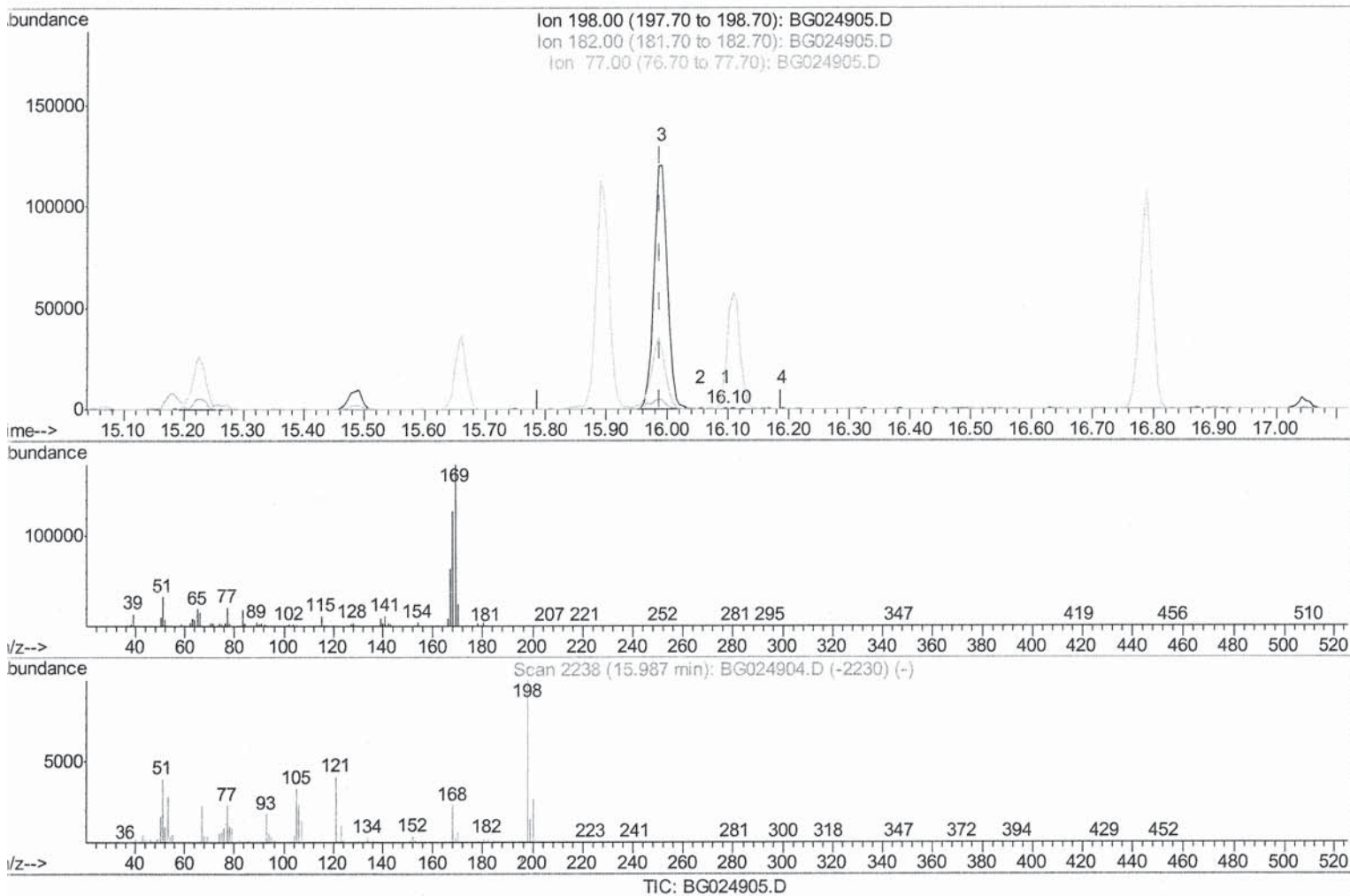
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
Data File : BG024905.D
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Operator : UM/SJ
Sample : SST04029
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Response via : Initial Calibration



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

16.096min (+0.109) 0.11ng/ul

response 505

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	0.00#
77.00	28.00	3975.98#
0.00	0.00	0.00

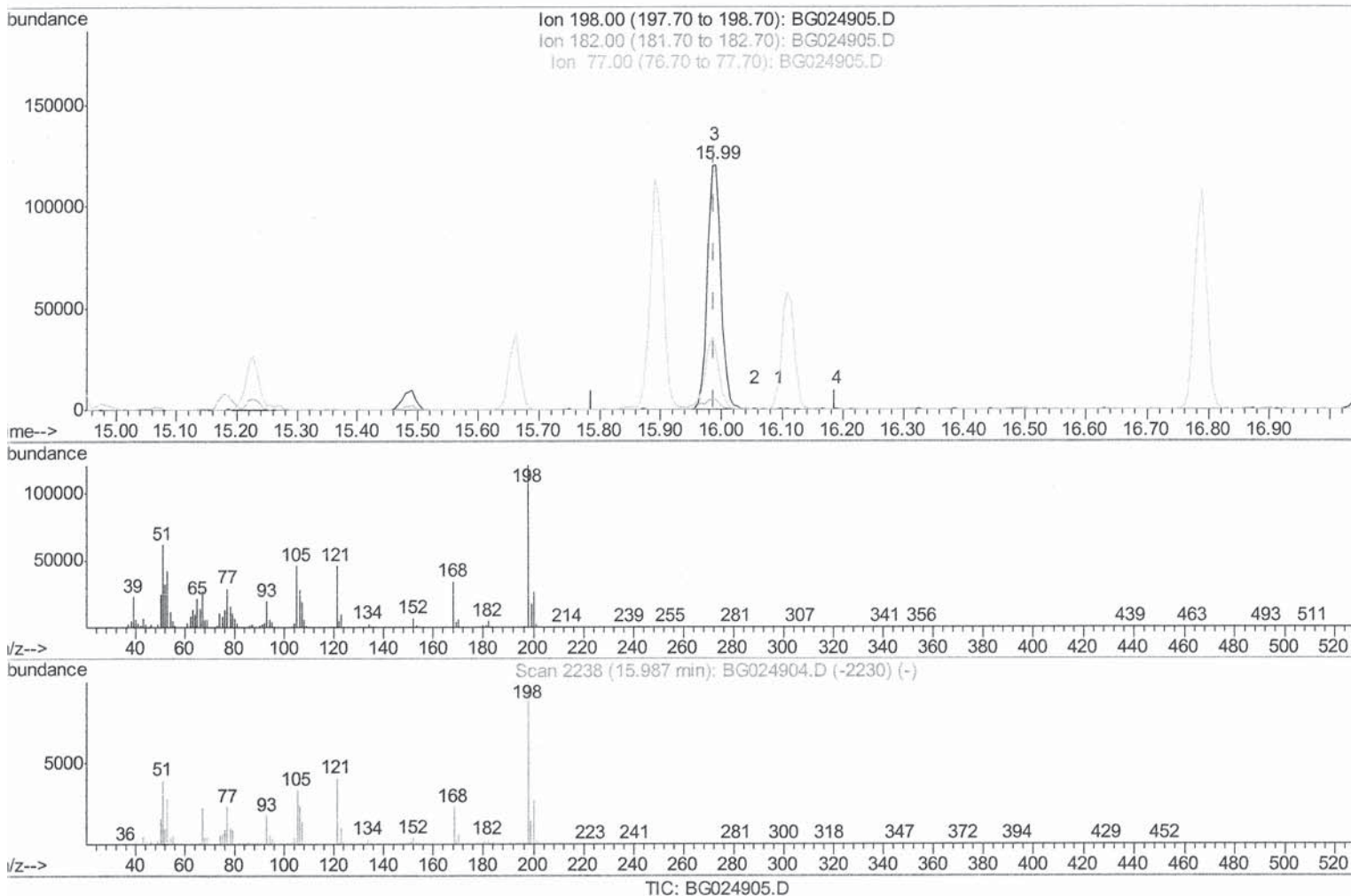
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 Response via : Initial Calibration



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

15.990min (+0.003) 41.40ng/ul m

UM

response 185486

11/28/16

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	3.97#
77.00	28.00	24.21
0.00	0.00	0.00

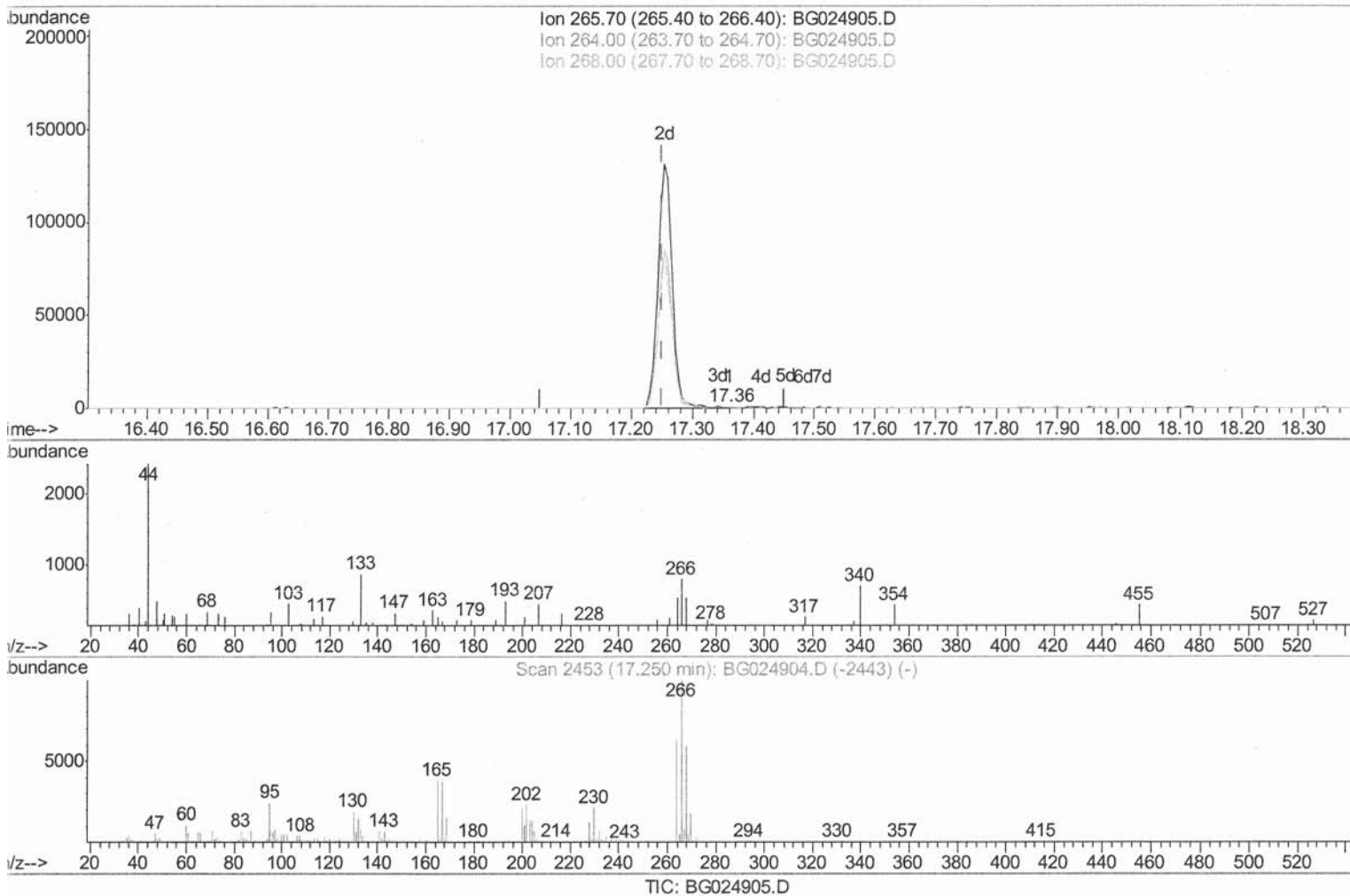
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(68) Pentachlorophenol (C)

17.359min (+0.109) 0.11ng/ul

response 581

Ion	Exp%	Act%
265.70	100	100
264.00	58.90	67.92
268.00	70.30	67.29
0.00	0.00	0.00

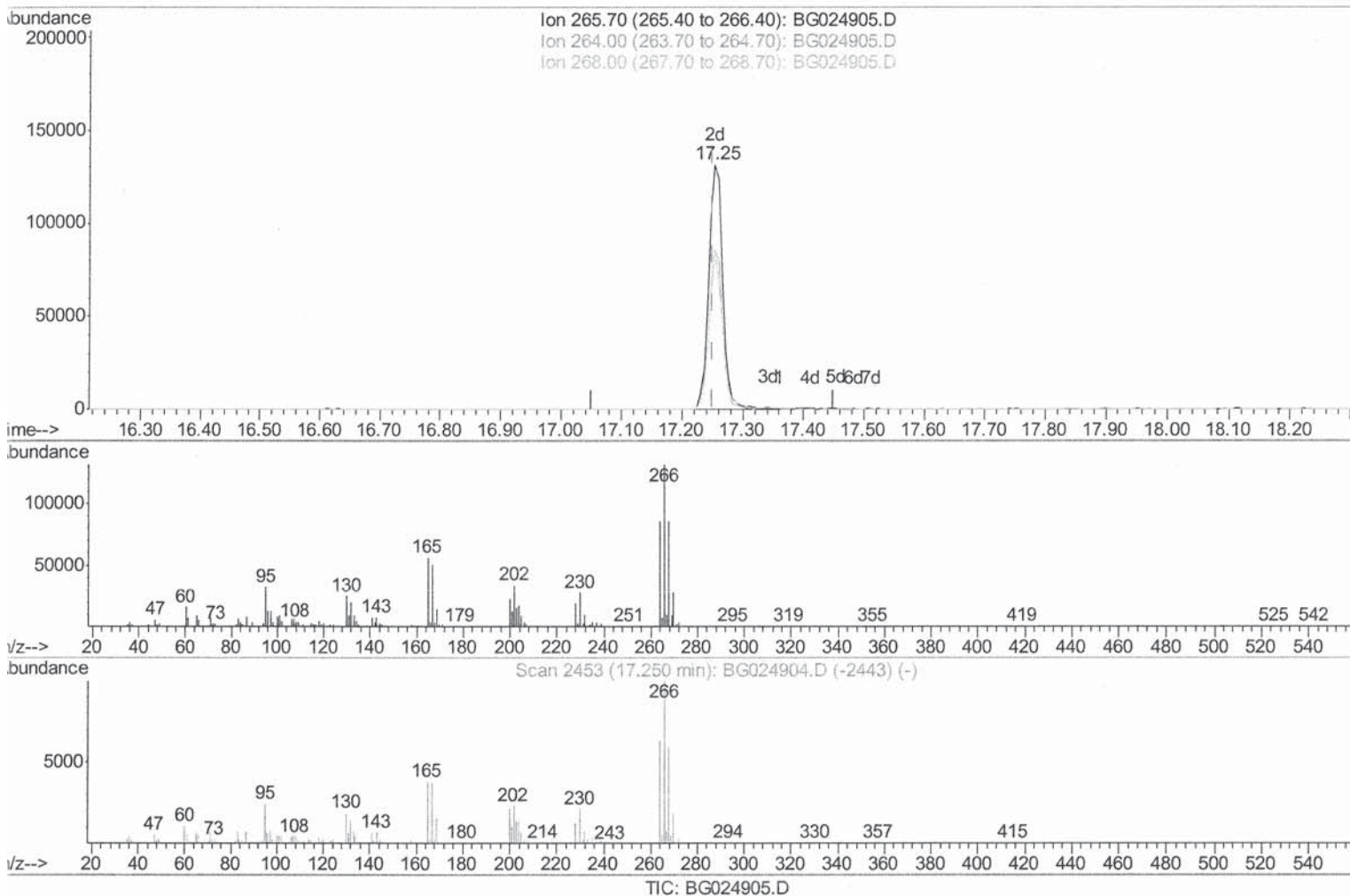
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 Data File : BG024905.D
 Acq On : 23 Nov 2016 12:19
 Operator : UM/SJ
 Sample : SSTD04029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Manual Integrations
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 Response via : Initial Calibration



(68) Pentachlorophenol (C)

17.254min (+0.003) 40.60ng/ul m UM

response 207300

11/28/16

Ion	Exp%	Act%
265.70	100	100
264.00	58.90	64.80
268.00	70.30	64.96
0.00	0.00	0.00

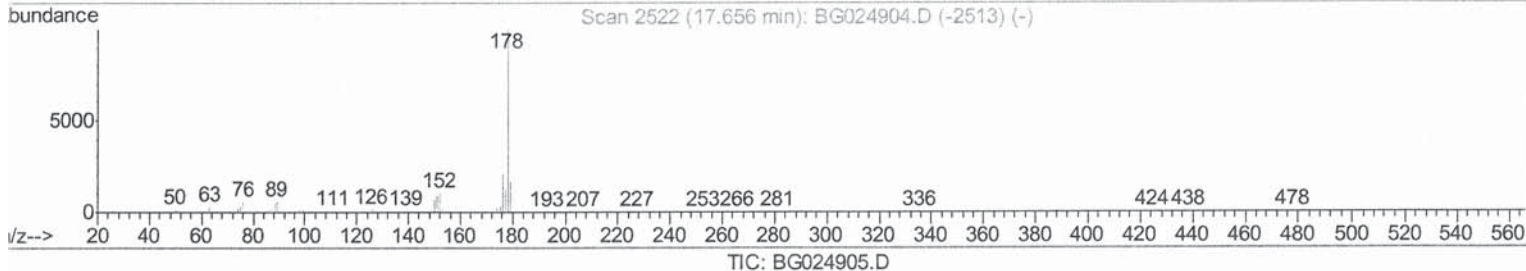
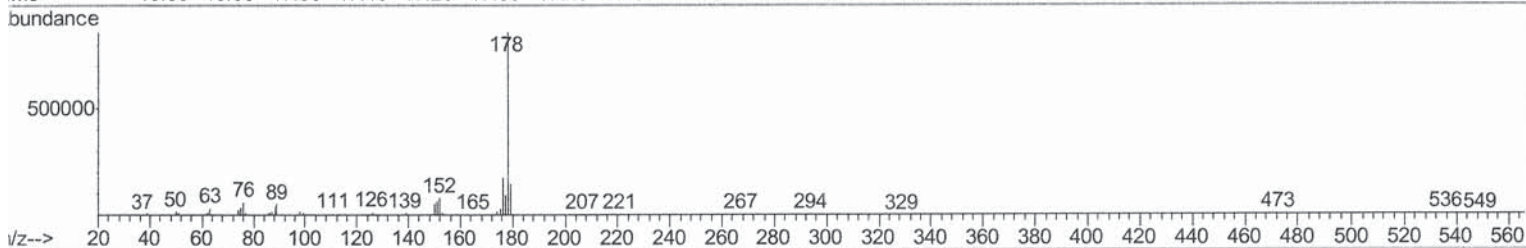
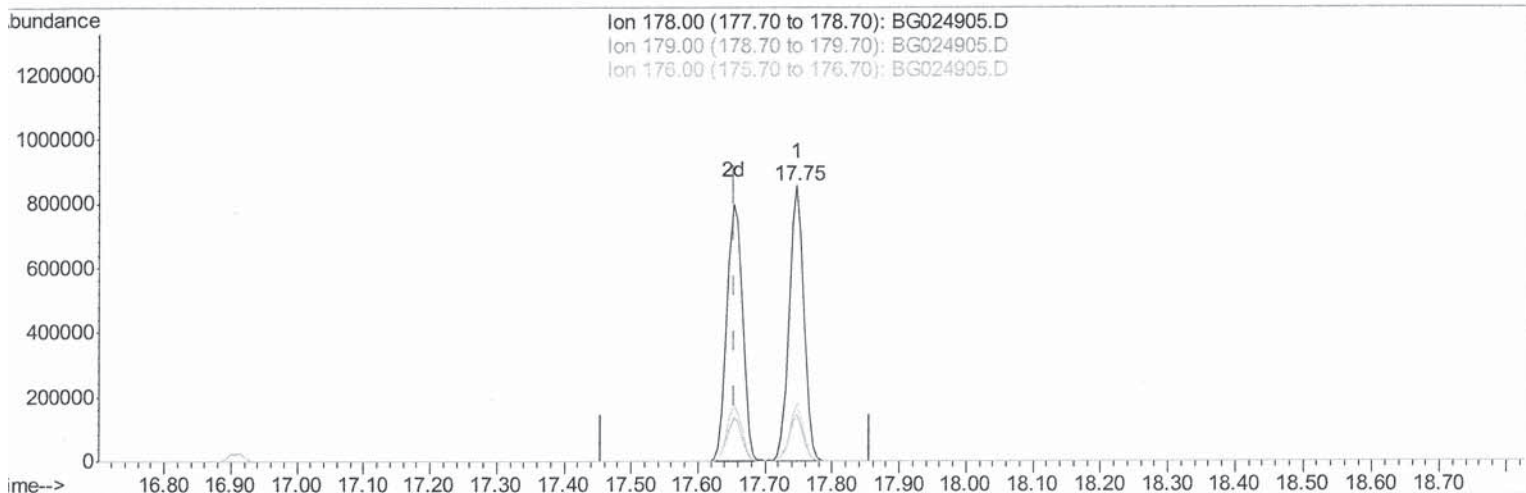
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Data File : BG024905.D
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Sample : SSTD04029
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Response via : Initial Calibration



TIC: BG024905.D

(69) Phenanthrene

17.747min (+0.091) 41.18ng/ul

response 1319321

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	16.91
176.00	20.60	20.81
0.00	0.00	0.00

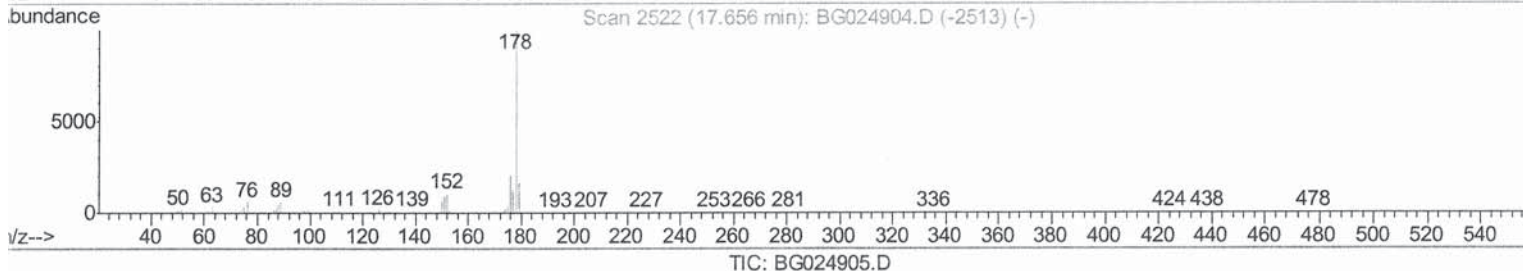
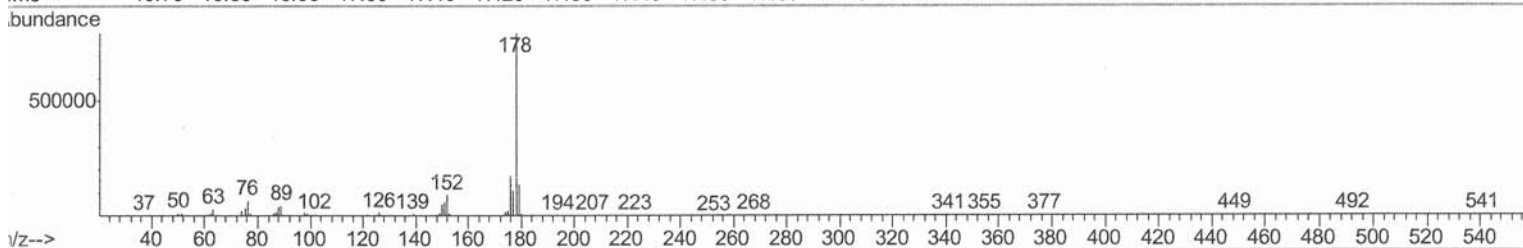
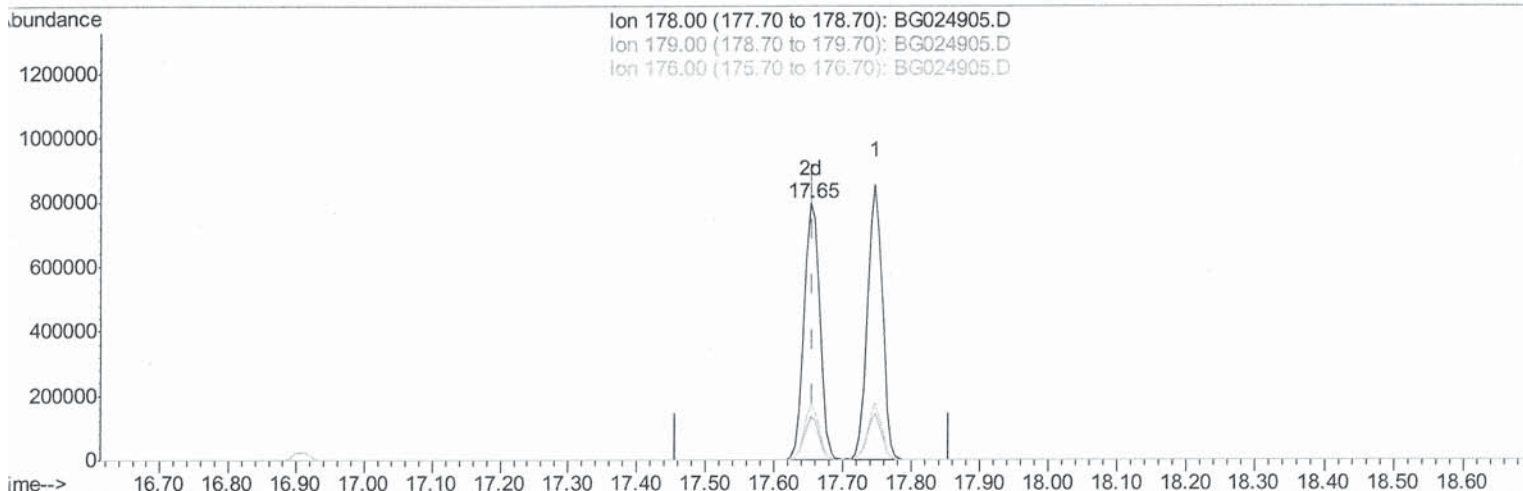
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 Data File : BG024905.D
 Acq On : 23 Nov 2016 12:19
 Operator : UM/SJ
 Sample : SST04029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
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TIC: BG024905.D

(69) Phenanthrene

17.653min (-0.003) 40.19ng/ul m *um*

response 1287723

11/28/16

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	16.89
176.00	20.60	21.68
0.00	0.00	0.00

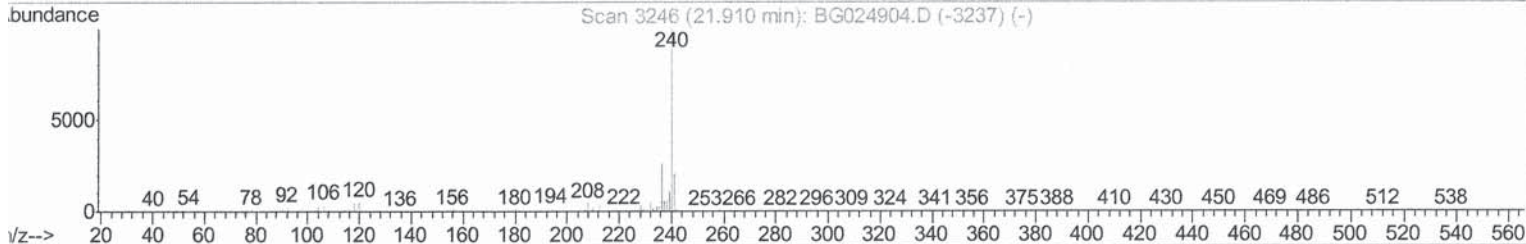
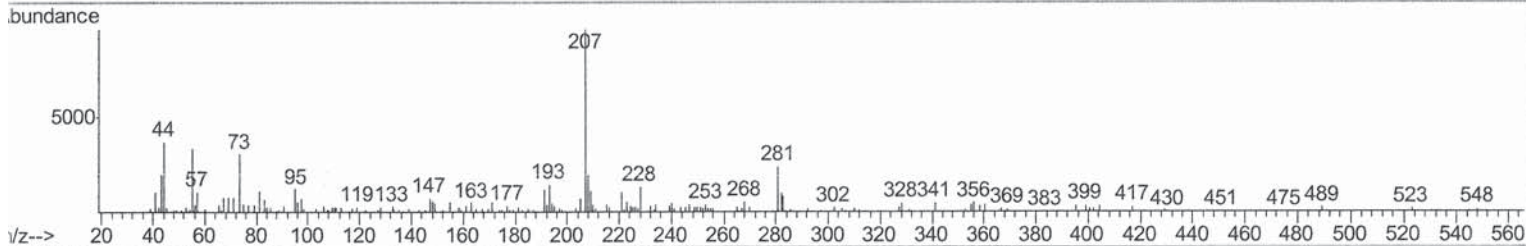
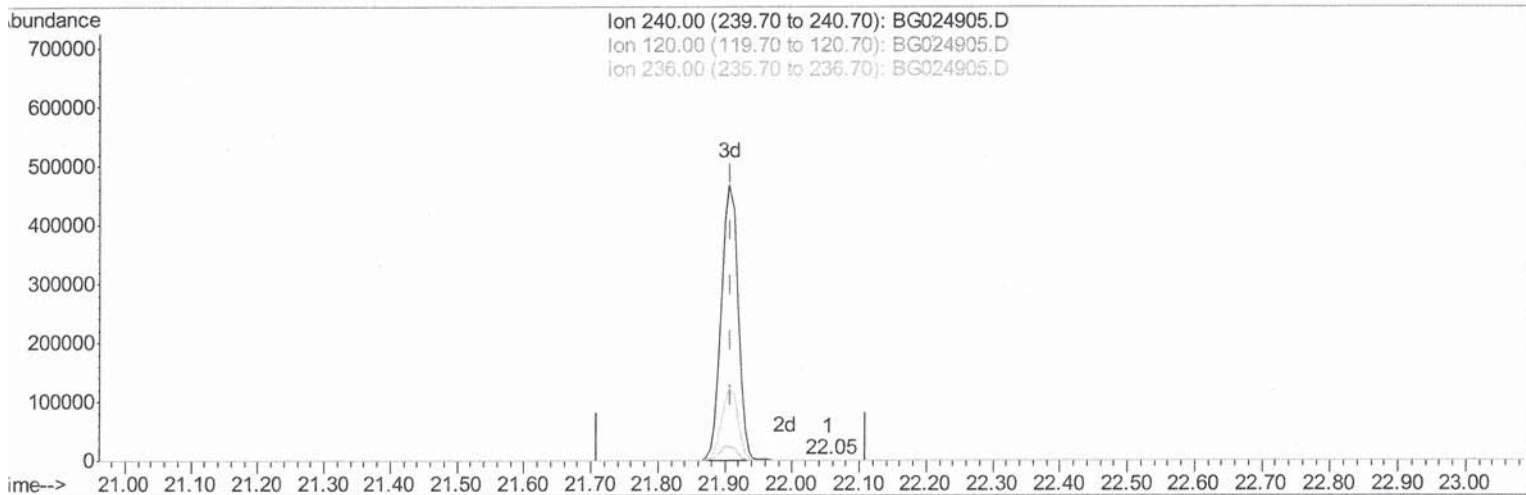
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Response via : Initial Calibration



TIC: BG024905.D

(75) Chrysene-d12 (I)

22.054min (+0.144) 20.00ng/ul

response 1061

Ion	Exp%	Act%
240.00	100	100
120.00	6.40	0.00#
236.00	27.90	29.23
0.00	0.00	0.00

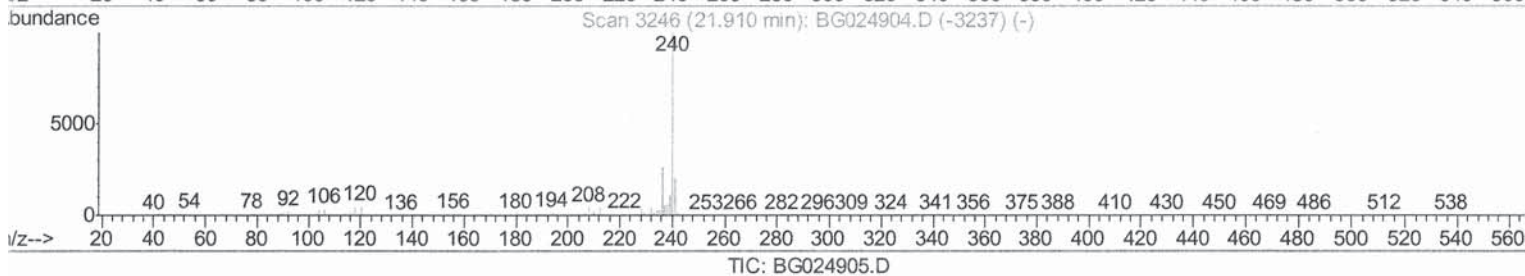
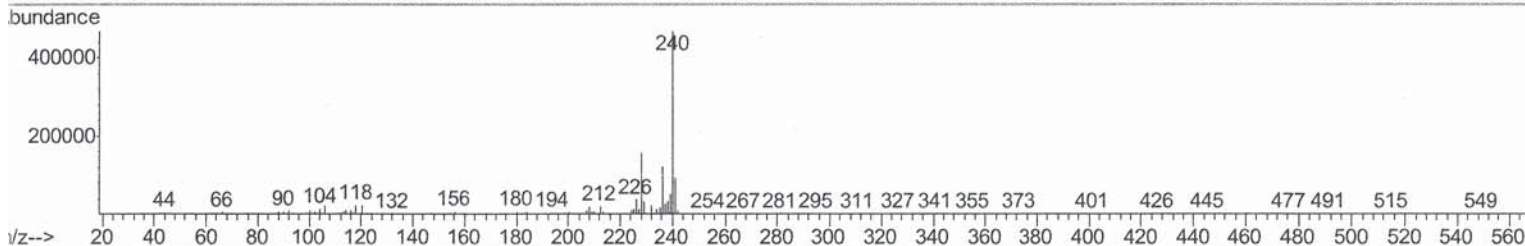
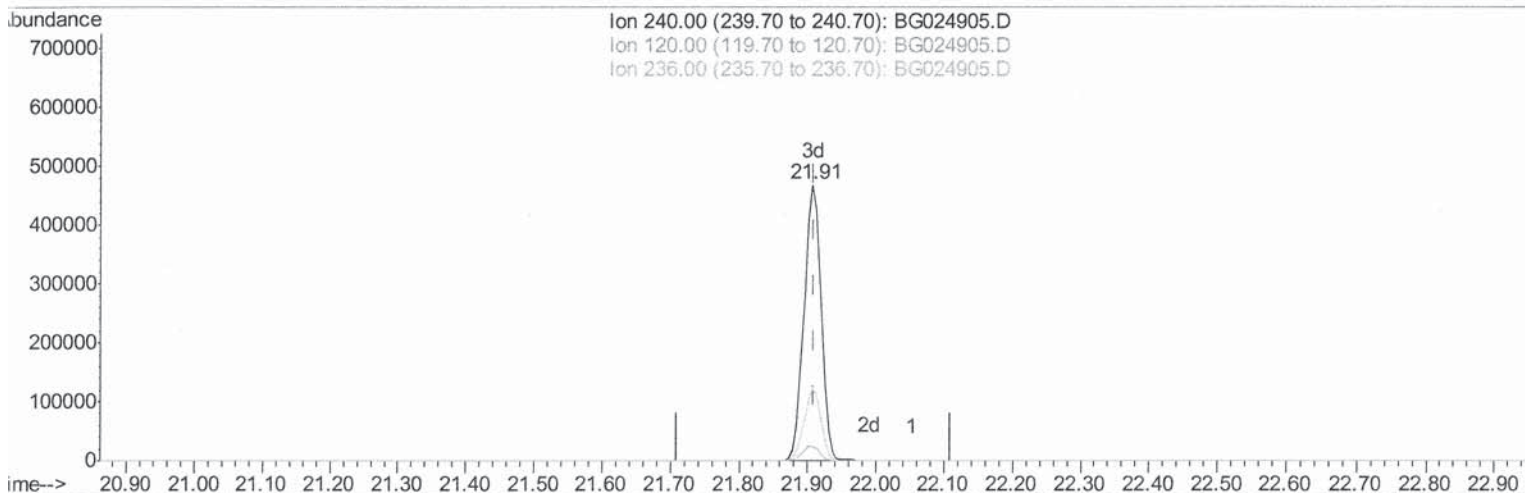
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
 Data File : BG024905.D
 Acq On : 23 Nov 2016 12:19
 Operator : UM/SJ
 Sample : SSTD04029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04029

Manual Integrations
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Quant Time: Nov 23 14:09:41 2016
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(75) Chrysene-d12 (I)

21.907min (-0.003) 20.00ng/ul m

Um

response 805697

11/28/16

Ion	Exp%	Act%
240.00	100	100
120.00	6.40	4.87#
236.00	27.90	26.24
0.00	0.00	0.00

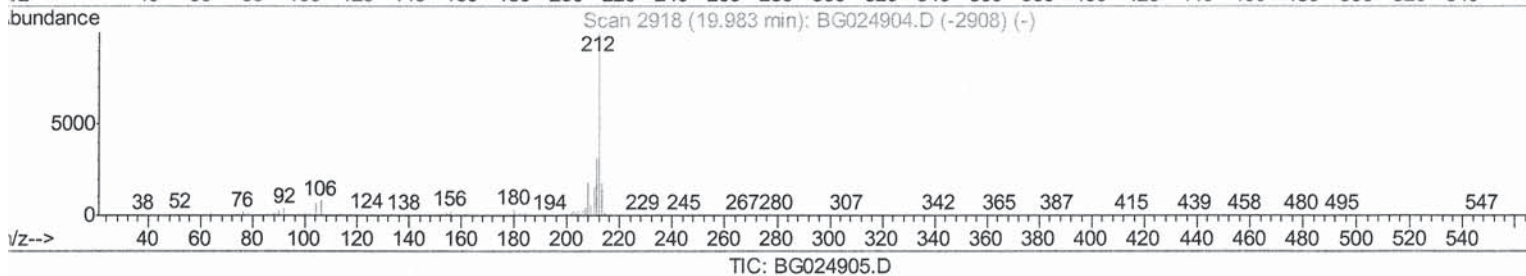
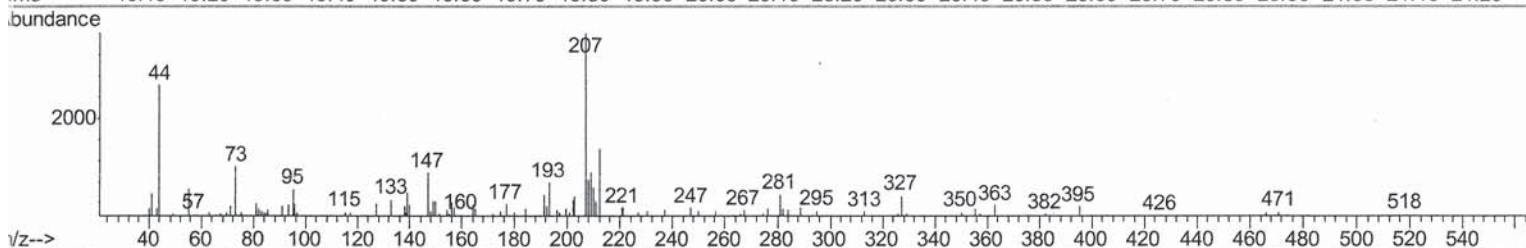
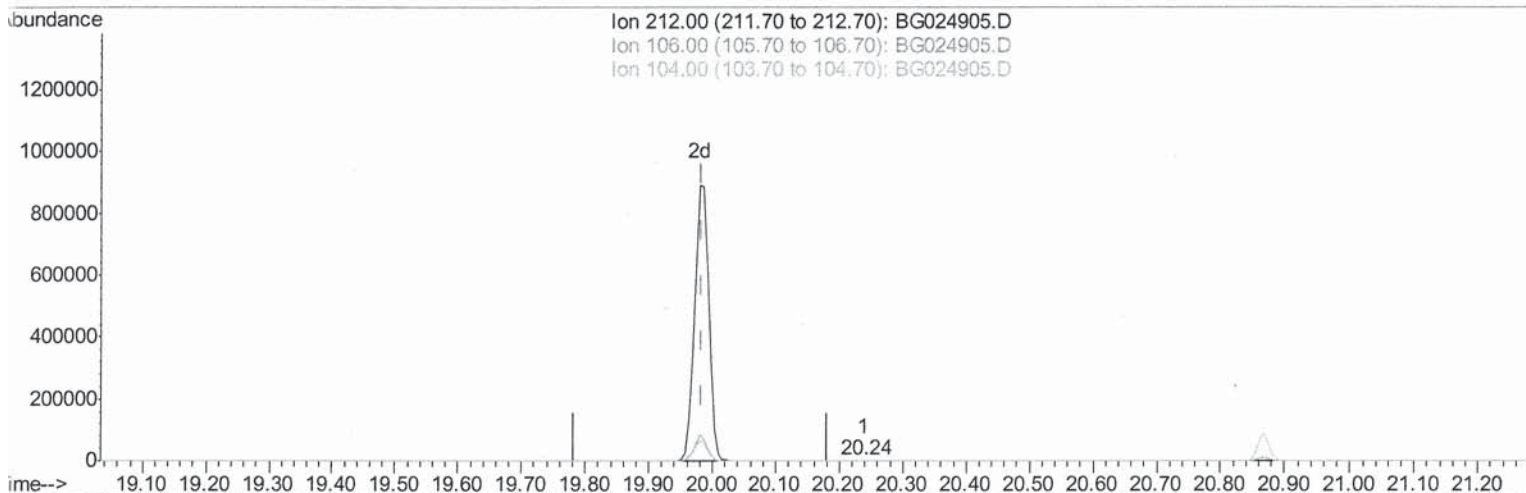
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Data File : BG024905.D
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Misc :
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ClientSampleId :
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Manual Integrations
APPROVED

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(76) Pyrene-d10 (S)

20.238min (+0.256) 0.09ng/ul

response 3195

Ion	Exp%	Act%
212.00	100	100
106.00	8.60	11.90#
104.00	6.10	0.00#
0.00	0.00	0.00

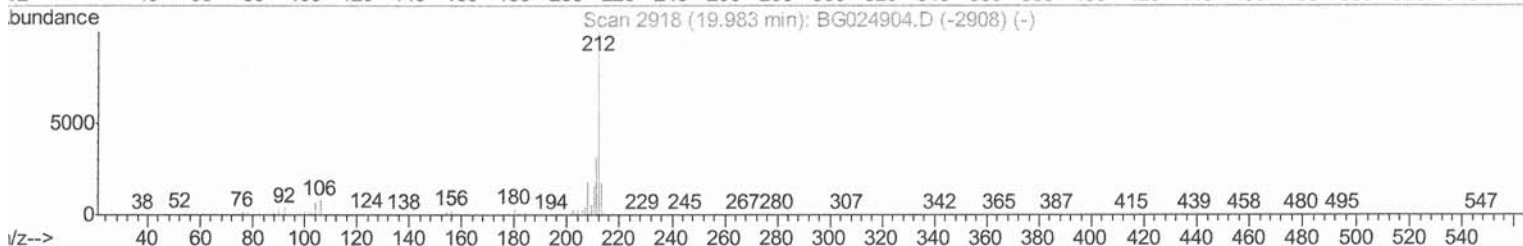
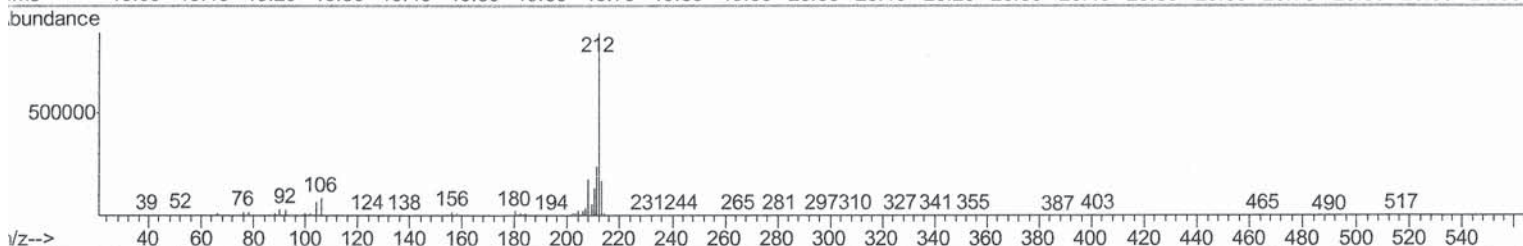
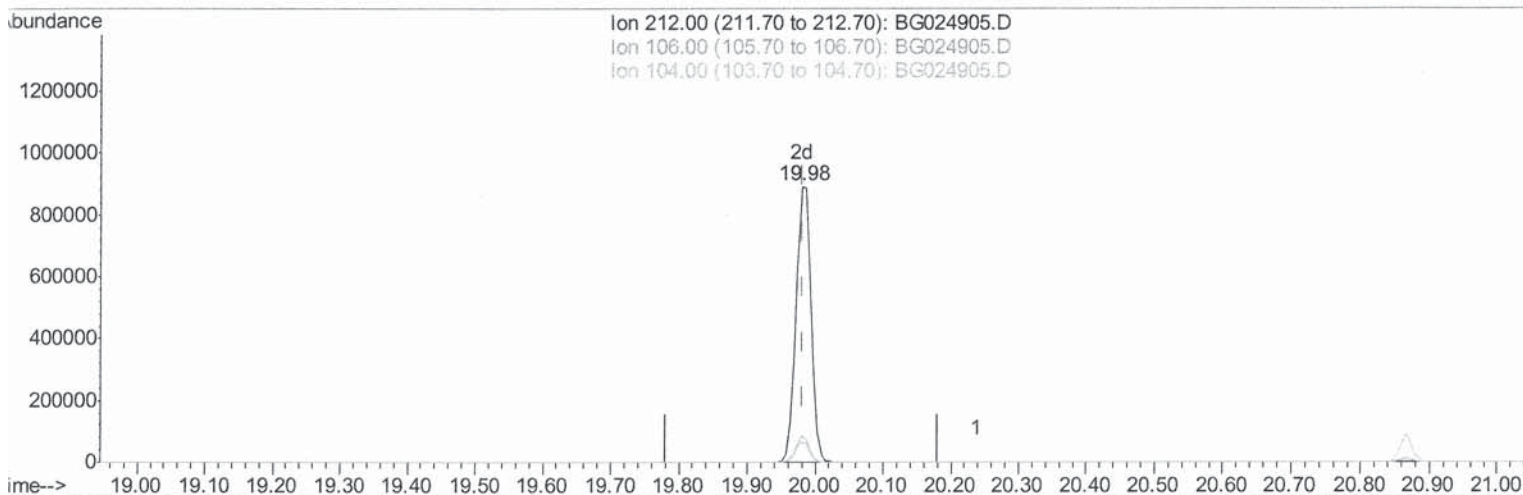
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
 Data File : BG024905.D
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 Operator : UM/SJ
 Sample : SST04029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Manual Integrations
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TIC: BG024905.D

(76) Pyrene-d10 (S)

19.980min (-0.003) 39.88ng/ul m

Um

response 1393234

11/28/16

Ion	Exp%	Act%
212.00	100	100
106.00	8.60	9.63
104.00	6.10	7.34#
0.00	0.00	0.00

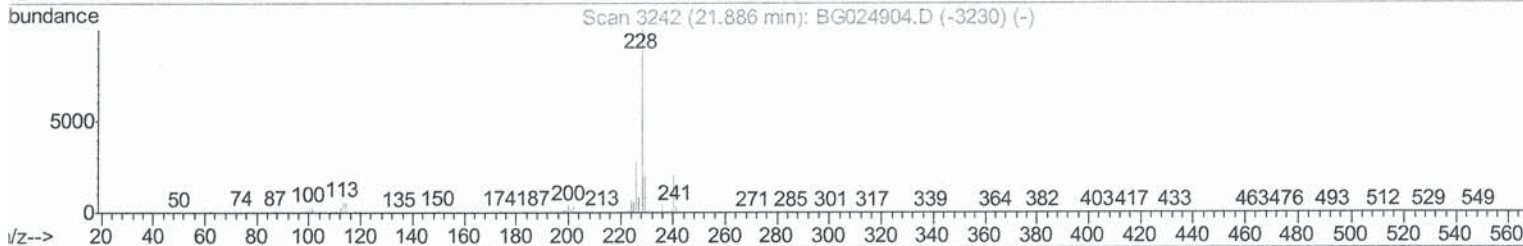
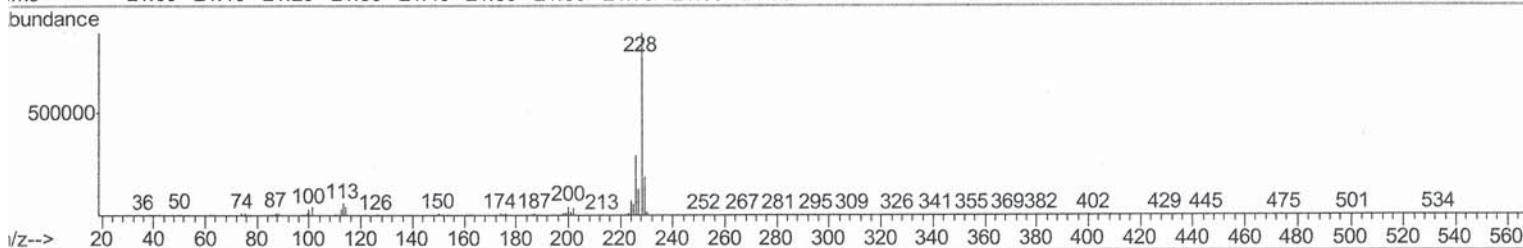
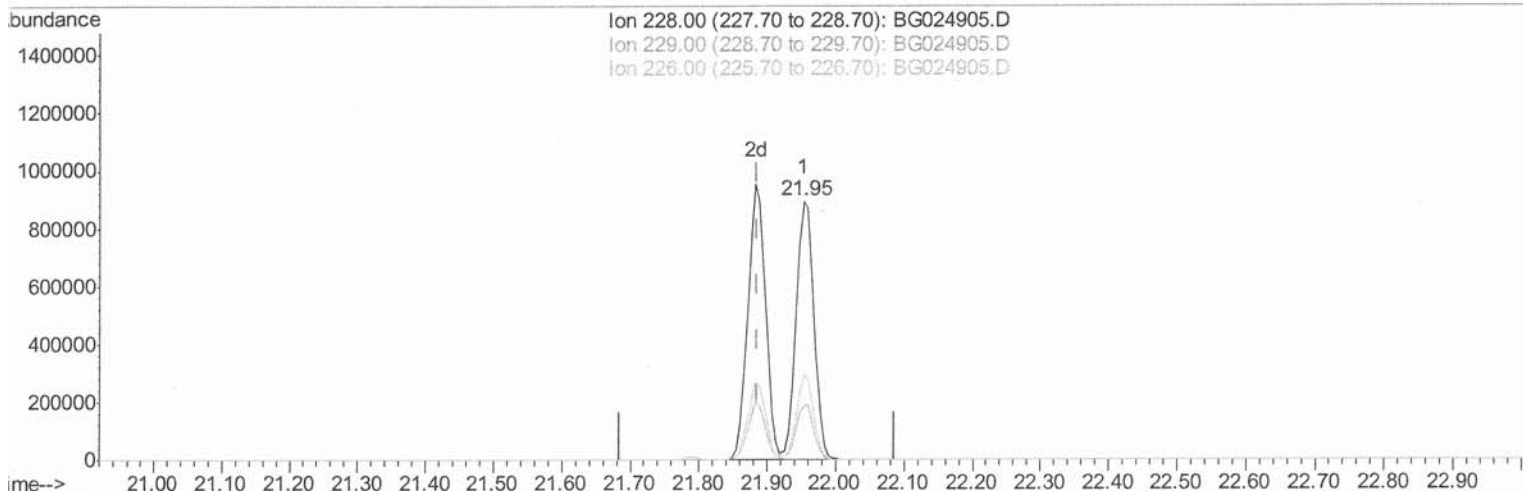
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TIC: BG024905.D

(80) Benzo(a)anthracene

21.954min (+0.068) 36.89ng/ui

response 1617532

Ion	Exp%	Act%
228.00	100	100
229.00	20.40	21.08
226.00	27.40	32.77
0.00	0.00	0.00

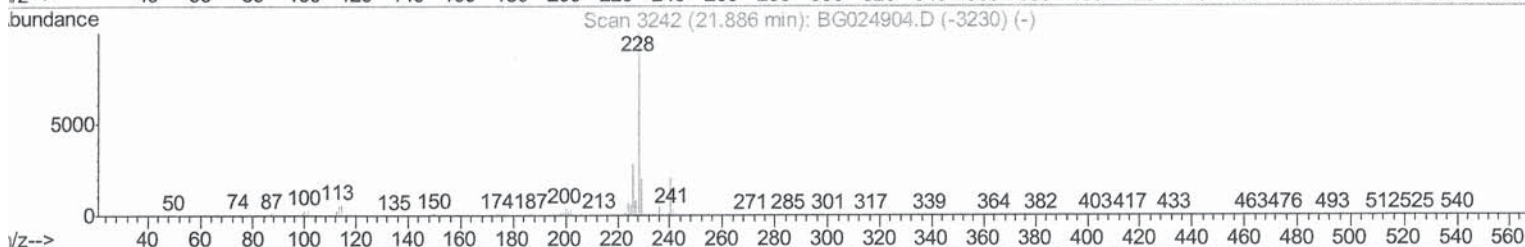
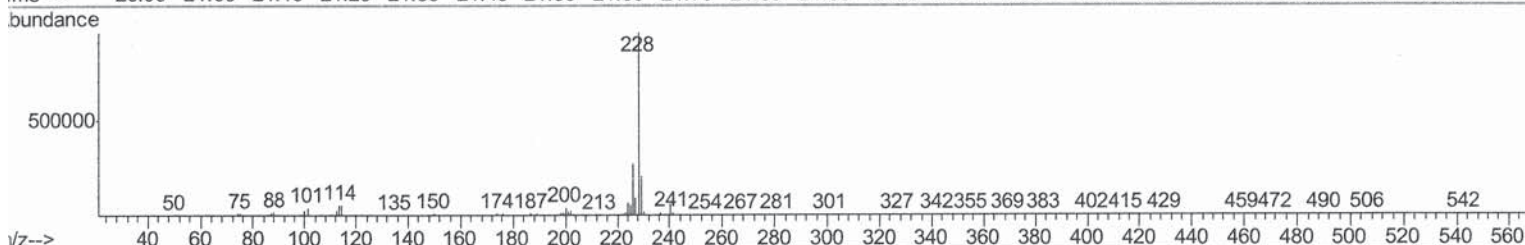
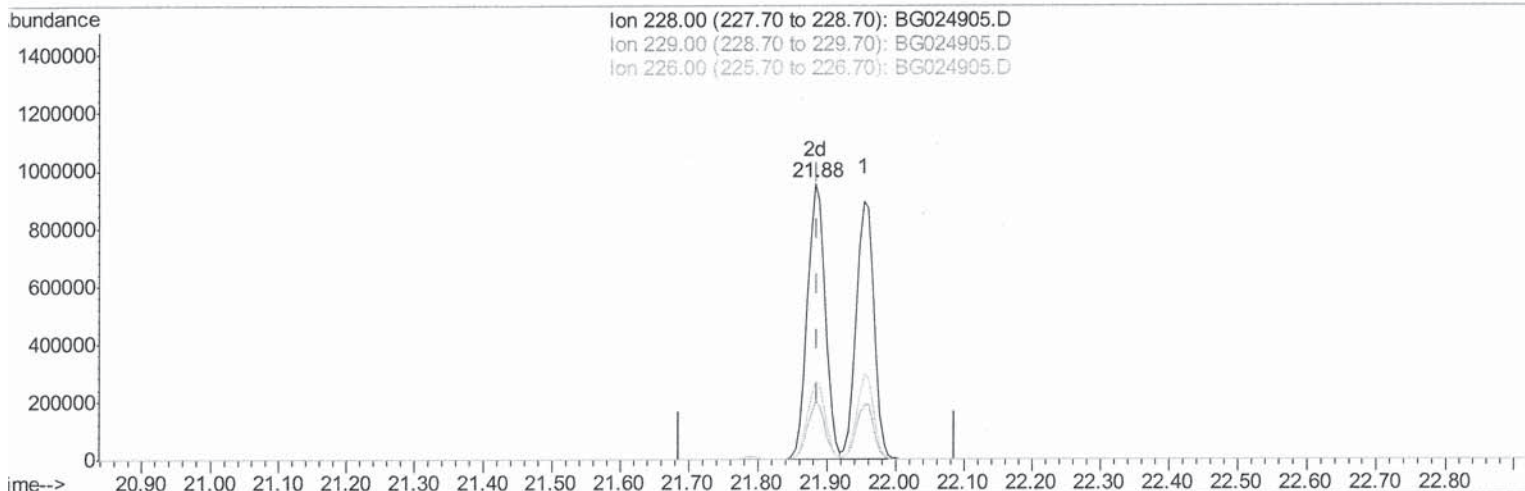
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TIC: BG024905.D

(80) Benzo(a)anthracene

21.883min (-0.003) 39.64ng/ul m

Um

response 1738063

11/28/16

Ion	Exp%	Act%
228.00	100	100
229.00	20.40	21.30
226.00	27.40	28.44
0.00	0.00	0.00

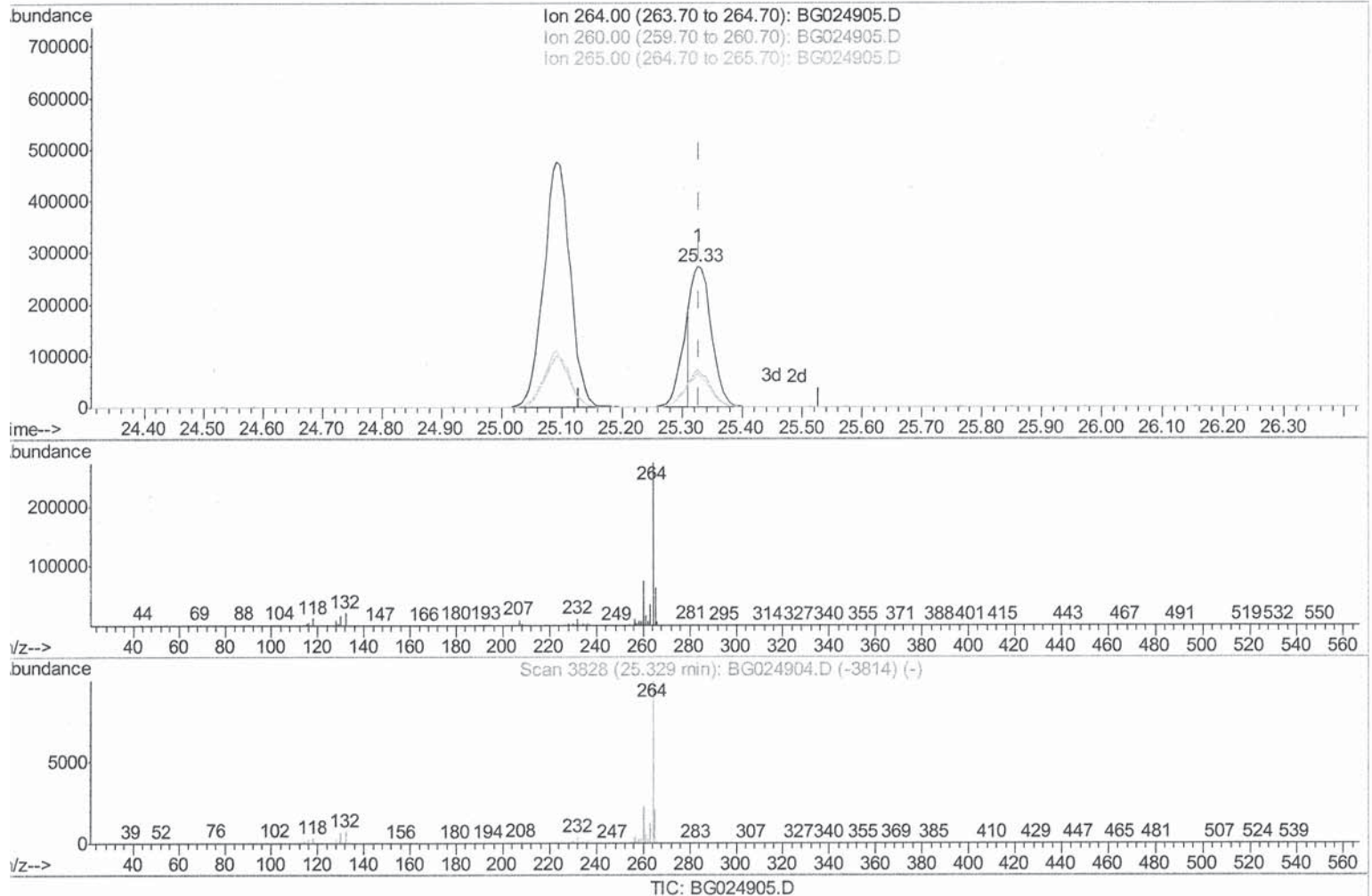
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Instrument :
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Manual Integrations
 APPROVED

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Quant Time: Nov 23 14:09:41 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG112316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 23 13:49:49 2016
 Response via : Initial Calibration



(83) Perylene-d12 (I)
 25.326min (-0.003) 20.00ng/ul
 response 635004

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	27.37
265.00	20.60	23.51
0.00	0.00	0.00

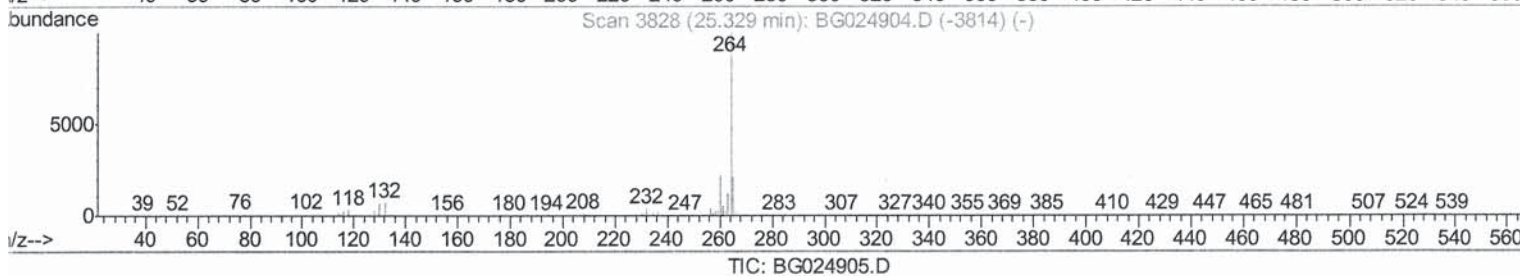
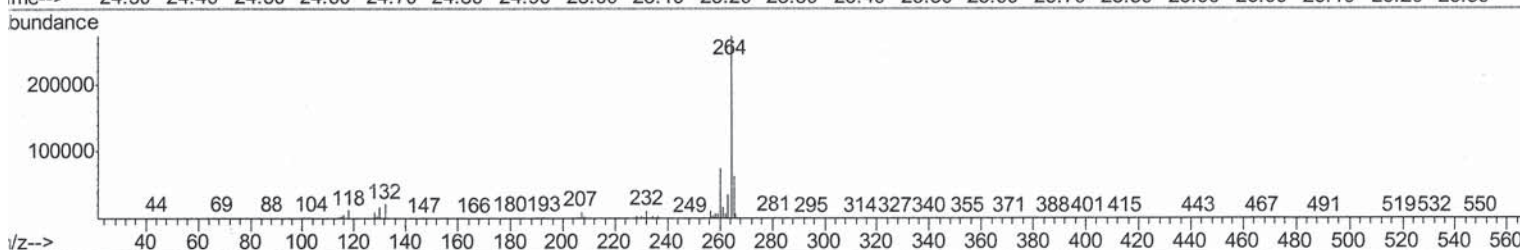
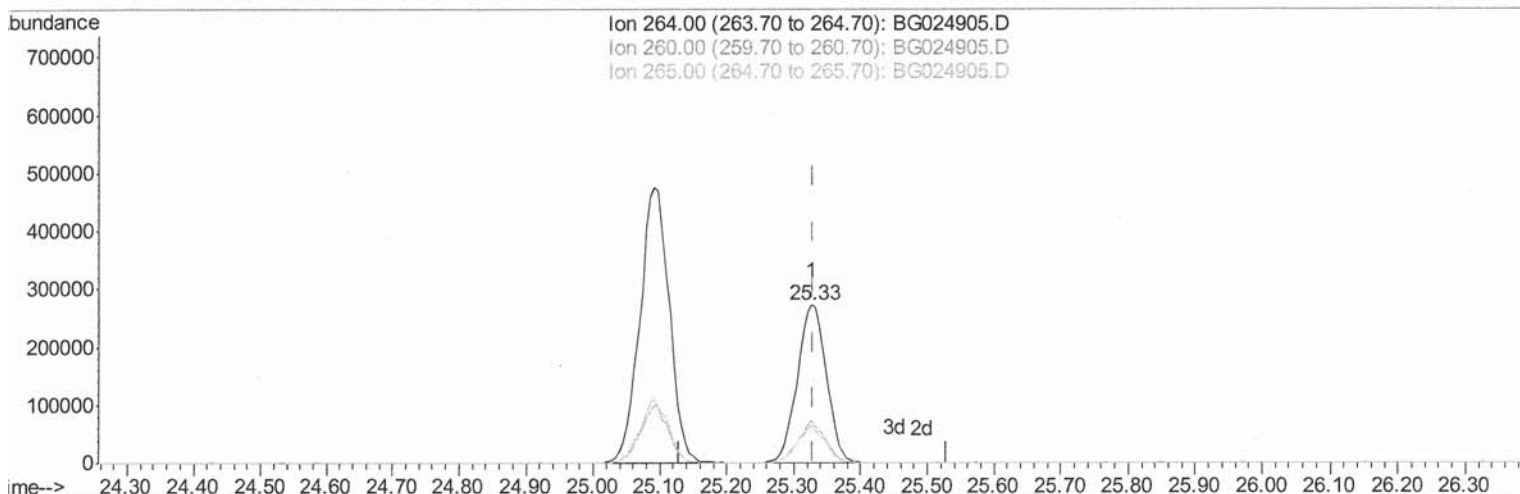
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
 Data File : BG024905.D
 Acq On : 23 Nov 2016 12:19
 Operator : UM/SJ
 Sample : SST04029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST04029

Quant Time: Nov 23 14:11:54 2016
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TIC: BG024905.D

(83) Perylene-d12 (I)

25.326min (-0.003) 20.00ng/ul m

UM

response 824311

11/28/16

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	27.37
265.00	20.60	23.51
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112316\
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 Sample : SSTD04029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	73328	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	327877	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	284327	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	642696m	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	805697m	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	824311m	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	23758	16.79	ng/uL	0.00
5) Phenol-d5	7.39	99	279775	44.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	163947	41.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.78	132	191240	42.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	235155	44.58	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	101436	40.86	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	123578	41.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	247159	41.90	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	283113	42.96	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	809374	39.04	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	902934	39.97	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	143897	39.00	ng/ul	0.00
57) Fluorene-d10	15.86	176	756028	38.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	177159	40.10	ng/ul	0.00
70) Anthracene-d10	17.71	188	1148044	40.44	ng/ul	0.00
76) Pyrene-d10	19.98	212	1393234m	39.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	1455452	40.33	ng/ul	0.00

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Target Compounds

					Ovalue
2) 1,4-Dioxane	3.65	88	27408	15.45	ng/uL 96
4) Benzaldehyde	7.38	77	208304	51.47	ng/ul 97
6) Phenol	7.42	94	282177	43.00	ng/ul 95
8) Bis(2-Chloroethyl)ether	7.66	93	196877	42.15	ng/ul 94
10) 2-Chlorophenol	7.81	128	187024	42.92	ng/ul 93
11) 2-Methylphenol	8.68	108	210105	43.71	ng/ul 95
12) 2,2'-oxybis(1-Chloropropan	8.78	45	345361	43.55	ng/ul# 97
14) Acetophenone	9.08	105	339491	42.74	ng/ul# 94
15) N-Nitroso-di-n-propylamine	9.05	70	202068	44.76	ng/ul 91
16) 4-Methylphenol	9.02	108	223229	42.92	ng/ul 96
17) Hexachloroethane	9.35	117	87796	44.02	ng/ul 87
20) Nitrobenzene	9.47	77	297726	40.39	ng/ul 97
21) Isophorone	9.99	82	567956	41.31	ng/ul 99
23) 2-Nitrophenol	10.19	139	121108	40.45	ng/ul 93
24) 2,4-Dimethylphenol	10.23	107	289020	40.65	ng/ul 95
25) Bis(2-Chloroethoxy)methane	10.46	93	299664	41.51	ng/ul 98
27) 2,4-Dichlorophenol	10.71	162	229890	40.67	ng/ul 96
28) Naphthalene	11.13	128	627186	39.88	ng/ul 98
30) 4-Chloroaniline	11.24	127	276049	43.42	ng/ul 99
31) Hexachlorobutadiene	11.40	225	187446	37.77	ng/ul 92
32) Caprolactam	12.00	113	93307m	41.87	ng/ul
33) 4-Chloro-3-methylphenol	12.33	107	292350	42.71	ng/ul 99
34) 2-Methylnaphthalene	12.71	142	506505	40.93	ng/ul 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.08	216	351599	38.11	ng/ul	96
37) Hexachlorocyclopentadiene	13.05	237	218141	36.69	ng/ul	99
38) 2,4,6-Trichlorophenol	13.31	196	233077	41.53	ng/ul	89
39) 2,4,5-Trichlorophenol	13.38	196	252667	41.43	ng/ul	97
40) 1,1'-Biphenyl	13.70	154	698320	38.16	ng/ul	98
41) 2-Chloronaphthalene	13.76	162	554306	38.99	ng/ul	98
42) 2-Nitroaniline	13.96	65	227944	40.42	ng/ul	96
44) Dimethylphthalate	14.31	163	783102	39.37	ng/ul	99
45) 2,6-Dinitrotoluene	14.45	165	173136	41.42	ng/ul#	93
47) Acenaphthylene	14.60	152	861463	39.39	ng/ul	98
48) 3-Nitroaniline	14.77	138	164137	42.49	ng/ul#	84
49) Acenaphthene	14.93	153	594649	38.41	ng/ul	95
50) 2,4-Dinitrophenol	14.98	184	120436	40.26	ng/ul	83
52) 4-Nitrophenol	15.07	109	170142	38.52	ng/ul	93
53) Dibenzofuran	15.27	168	911267	38.48	ng/ul	99
54) 2,4-Dinitrotoluene	15.23	165	257817	40.78	ng/ul#	93
55) 2,3,4,6-Tetrachlorophenol	15.49	232	257875	40.64	ng/ul#	95
56) Diethylphthalate	15.66	149	827988	39.19	ng/ul	96
58) Fluorene	15.91	166	753656	39.20	ng/ul	96
59) 4-Chlorophenyl-phenylether	15.90	204	422902	38.90	ng/ul#	85
60) 4-Nitroaniline	15.94	138	173455	39.47	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.99	198	185486m	41.40	ng/ul	
64) N-Nitrosodiphenylamine	16.11	169	706976	40.72	ng/ul	97
65) 4-Bromophenyl-phenylether	16.79	248	316623	40.51	ng/ul	94
66) Hexachlorobenzene	16.91	284	353781	40.90	ng/ul	95
67) Atrazine	17.05	200	320300	39.35	ng/ul	97
68) Pentachlorophenol	17.25	266	207300m	40.60	ng/ul	
69) Phenanthrene	17.65	178	1287723m	40.19	ng/ul	
71) Anthracene	17.75	178	1318549	39.79	ng/ul	98
72) Carbazole	18.02	167	1151465	42.36	ng/ul	96
73) Di-n-butylphthalate	18.53	149	1373542	40.10	ng/ul	99
74) Fluoranthene	19.65	202	1574881	42.32	ng/ul	99
77) Pyrene	20.01	202	1590847	40.17	ng/ul	99
78) Butylbenzylphthalate	20.87	149	638692	39.40	ng/ul	94
79) 3,3'-Dichlorobenzidine	21.79	252	634068	40.92	ng/ul	96
80) Benzo(a)anthracene	21.88	228	1738063m	39.64	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.74	149	885811	39.94	ng/ul	97
82) Chrysene	21.95	228	1617532	39.35	ng/ul	97
84) Di-n-octyl phthalate	23.01	149	1523502	43.66	ng/ul	100
85) Benzo(b)fluoranthene	24.23	252	1738659	40.04	ng/ul	98
86) Benzo(k)fluoranthene	24.30	252	1632455	39.57	ng/ul	98
88) Benzo(a)pyrene	25.17	252	1666857	39.66	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.27	276	2069885	39.39	ng/ul	96
90) Dibenzo(a,h)anthracene	29.33	278	1770034	40.42	ng/ul	98
91) Benzo(g,h,i)perylene	30.50	276	1722542	39.80	ng/ul	97

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