

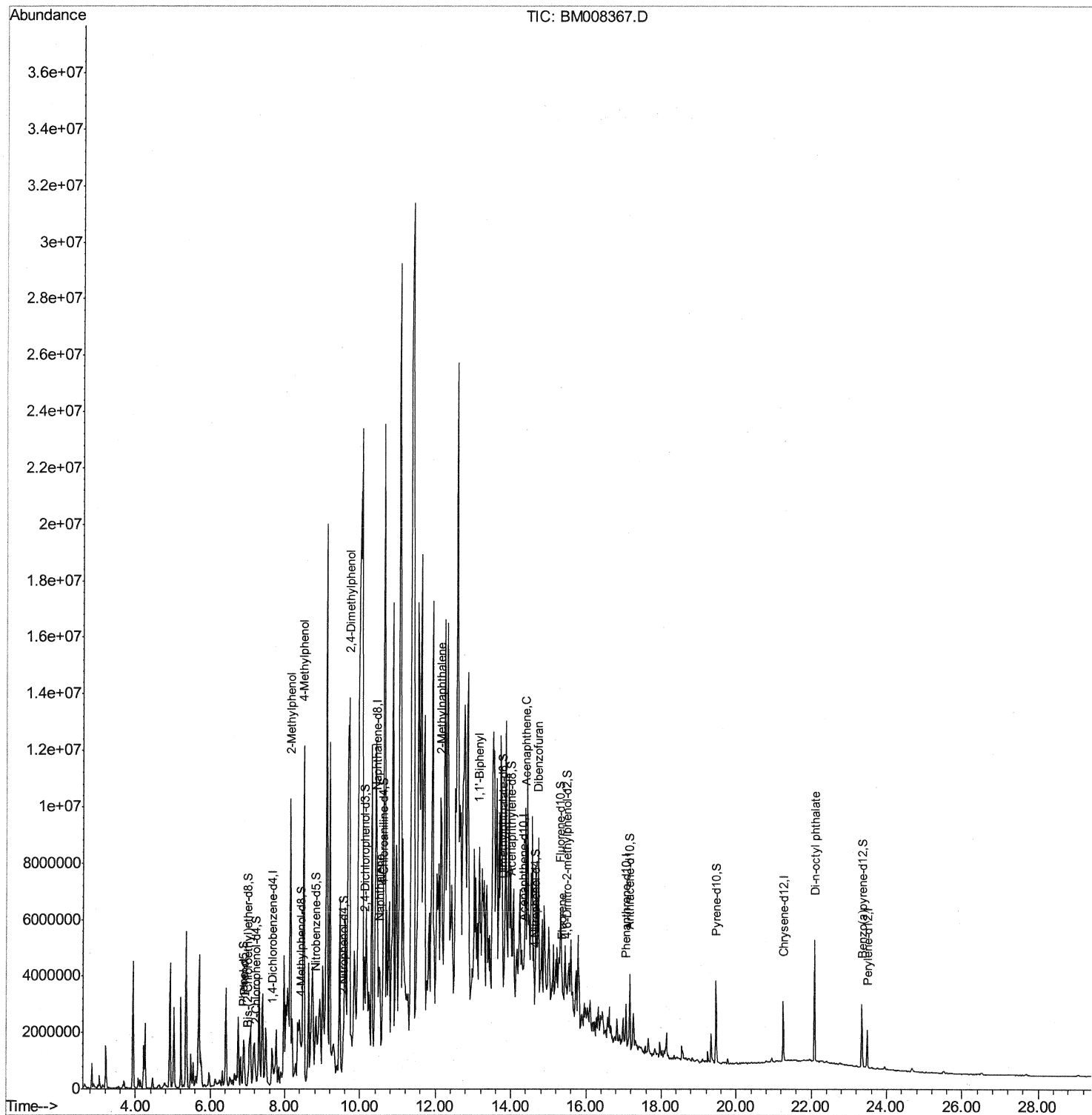
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3

Manual Integrations
APPROVED

sohil
12/16/2016 6:22:34 PM

Quant Time: Dec 16 12:23:13 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration



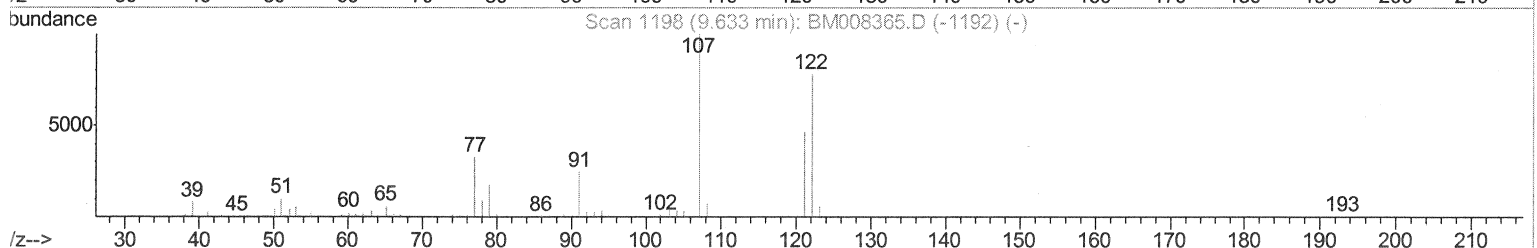
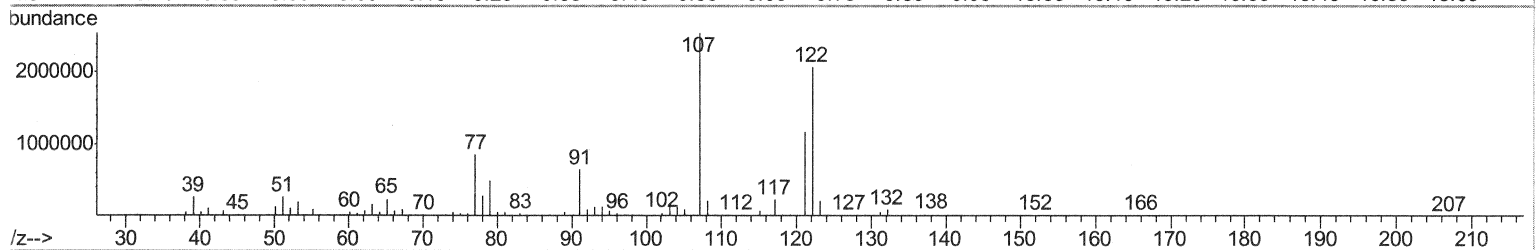
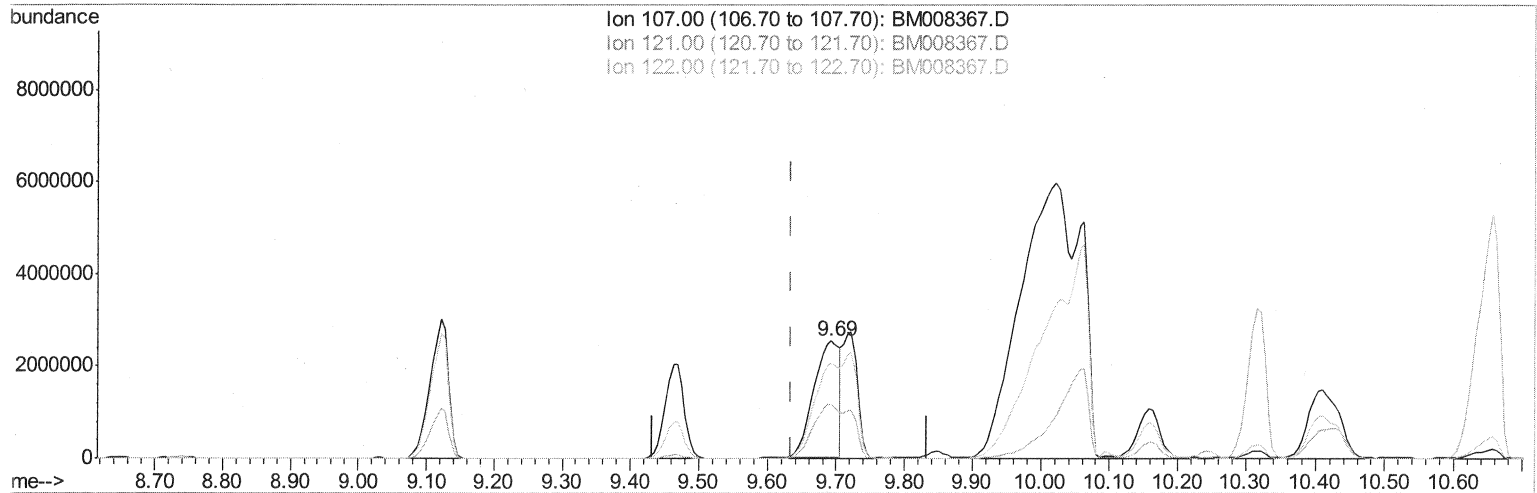
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3

Manual Integrations
APPROVED

sohil
12/16/2016 6:22:34 PM

Quant Time: Dec 16 06:35:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration



TIC: BM008367.D

(24) 2,4-Dimethylphenol

9.692min (+0.059) 457.73ng/ul

response 6533610

Ion	Exp%	Act%
107.00	100	100
121.00	46.60	46.12
122.00	72.80	81.48
0.00	0.00	0.00

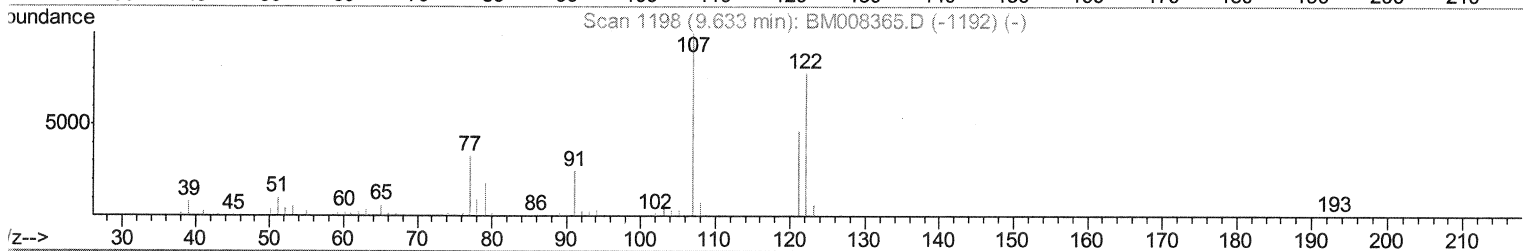
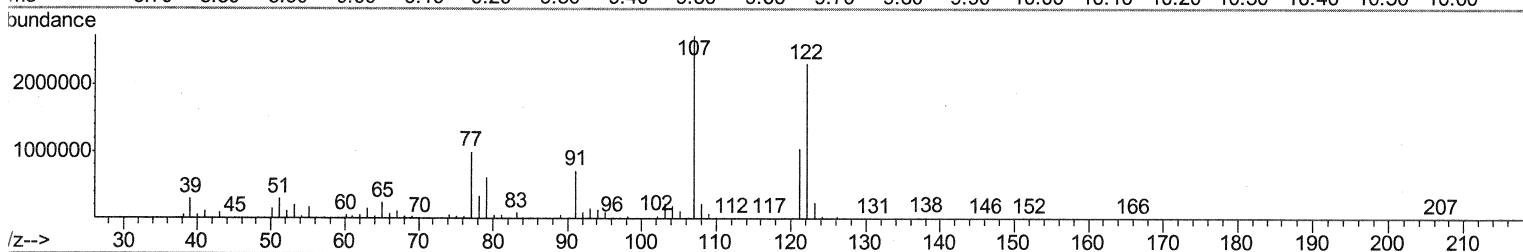
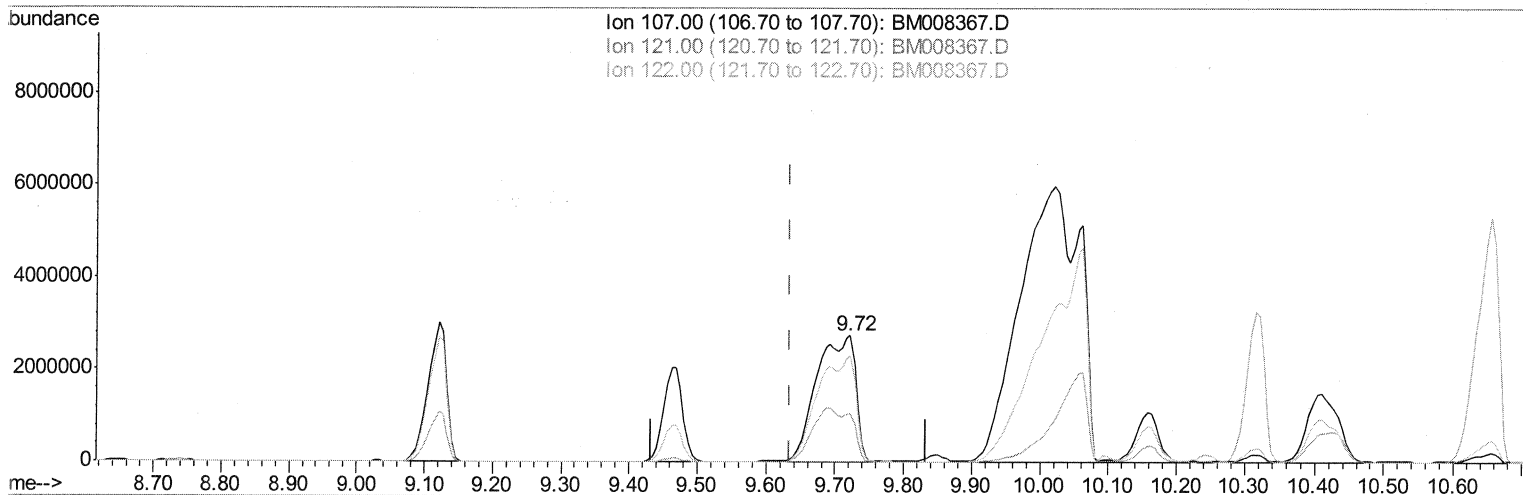
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3

Manual Integrations
APPROVED

sohil
12/16/2016 6:22:34 PM

Quant Time: Dec 16 06:35:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration



TIC: BM008367.D

(24) 2,4-Dimethylphenol

9.722min (+0.088) 754.19ng/ul m

SJ 12/20/16

response 10765094

Ion	Exp%	Act%
107.00	100	100
121.00	46.60	38.62
122.00	72.80	84.86
0.00	0.00	0.00

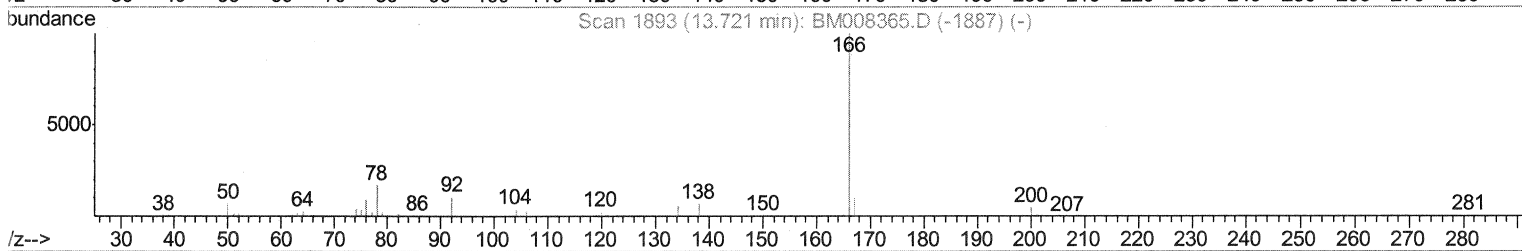
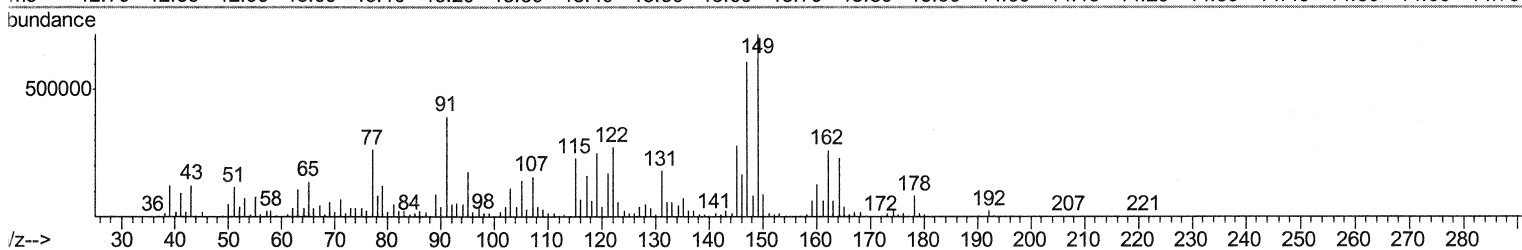
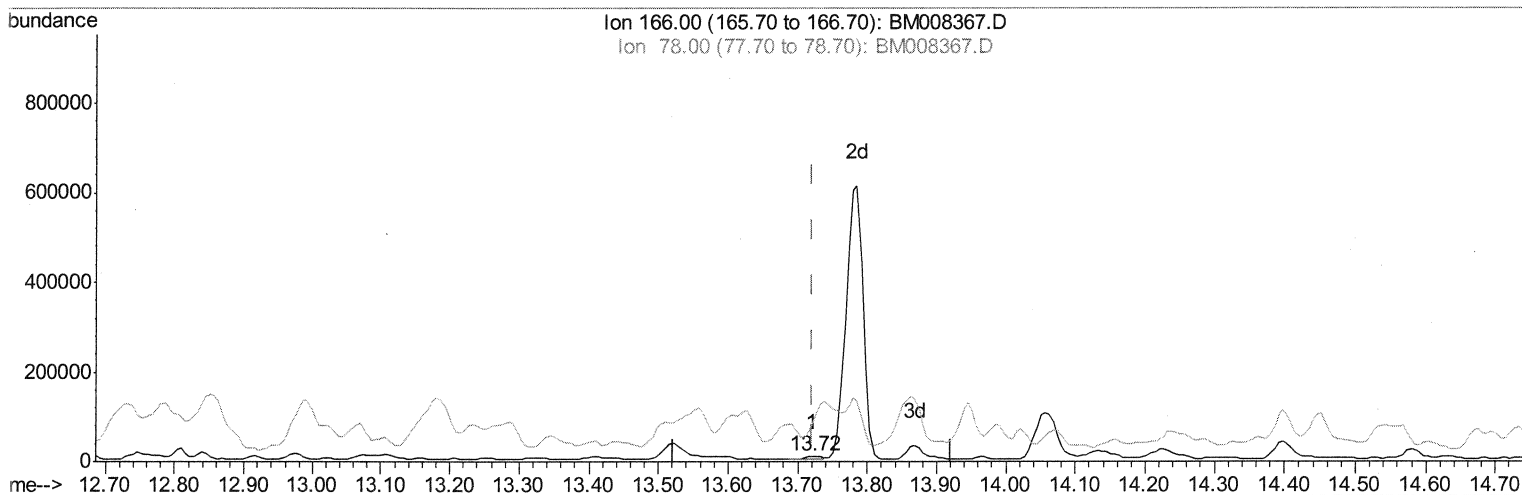
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3

Manual Integrations
APPROVED

sohil
12/16/2016 6:22:34 PM

Quant Time: Dec 16 06:46:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration



TIC: BM008367.D

(43) Dimethylphthalate-d6 (S)

13.721min (-0.000) 0.49ng/ul

response 13612

Ion	Exp%	Act%
166.00	100	100
78.00	17.90	706.19#
0.00	0.00	0.00
0.00	0.00	0.00

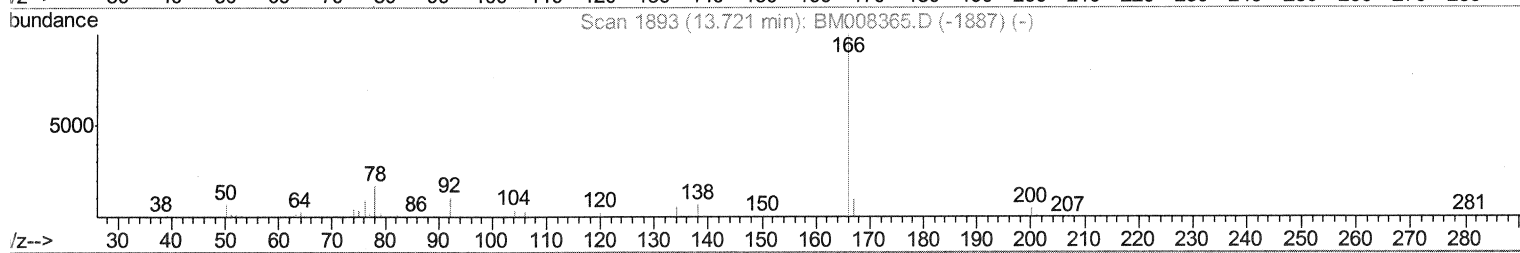
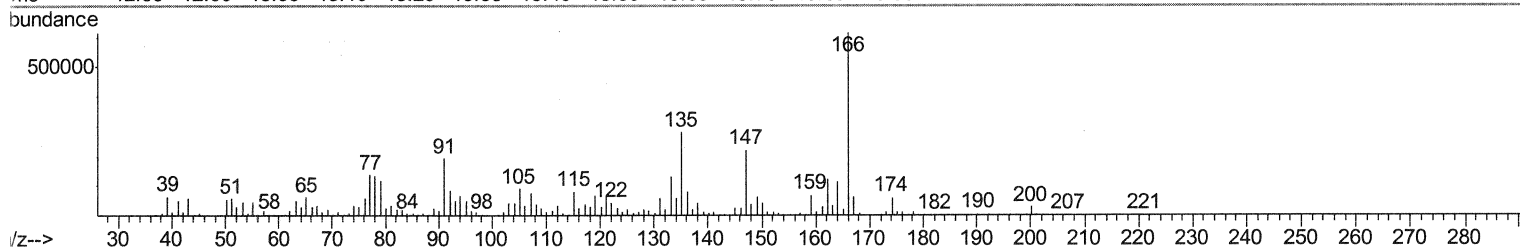
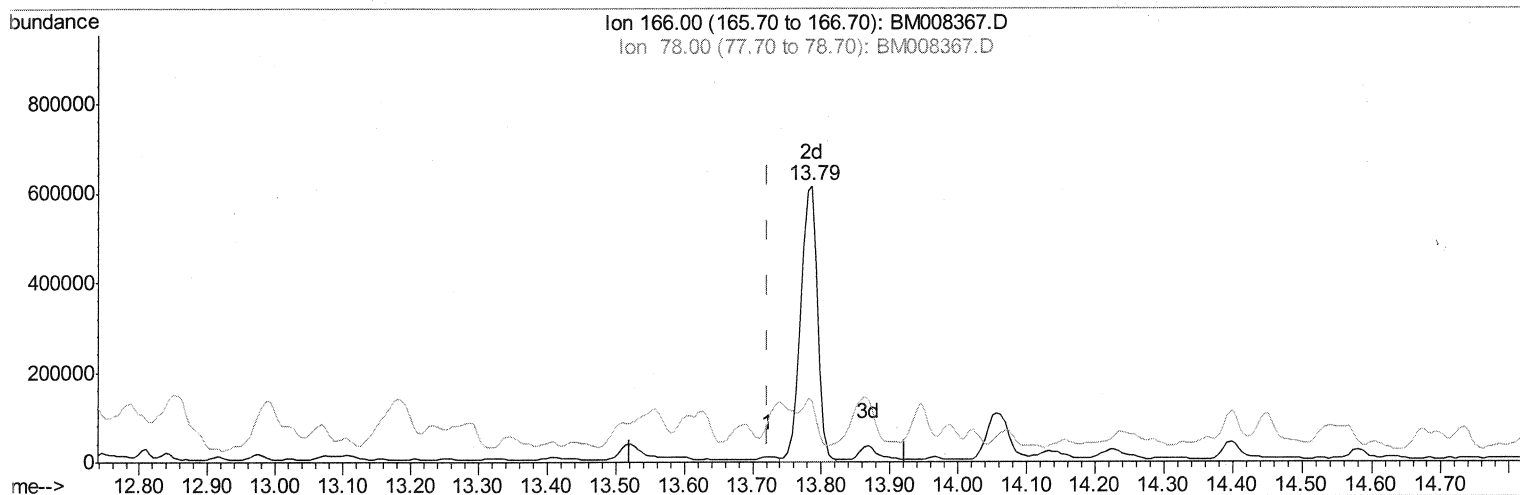
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3

Manual Integrations
APPROVED

sohil
12/16/2016 6:22:34 PM

Quant Time: Dec 16 06:46:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration



TIC: BM008367.D

(43) Dimethylphthalate-d6 (S)

13.786min (+0.065) 38.07ng/ul m

SJ 12/20/16

response 1063415

Ion	Exp%	Act%
166.00	100	100
78.00	17.90	22.01#
0.00	0.00	0.00
0.00	0.00	0.00

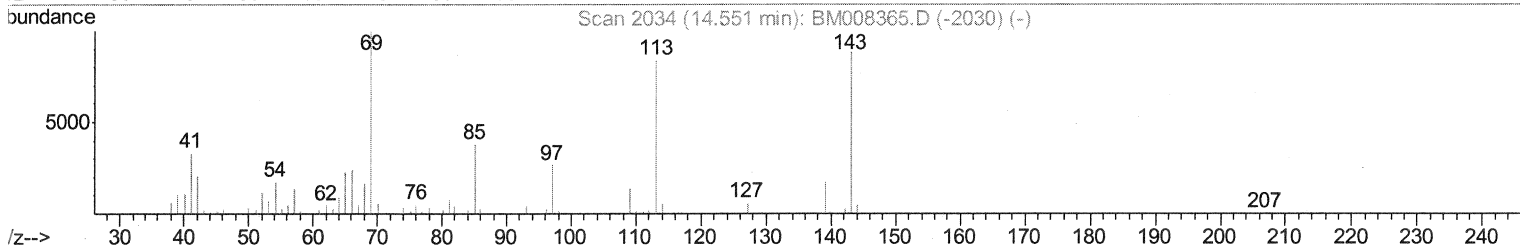
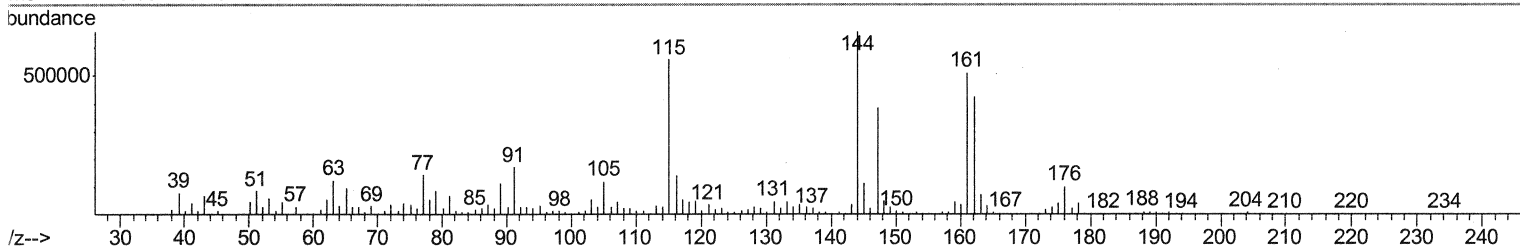
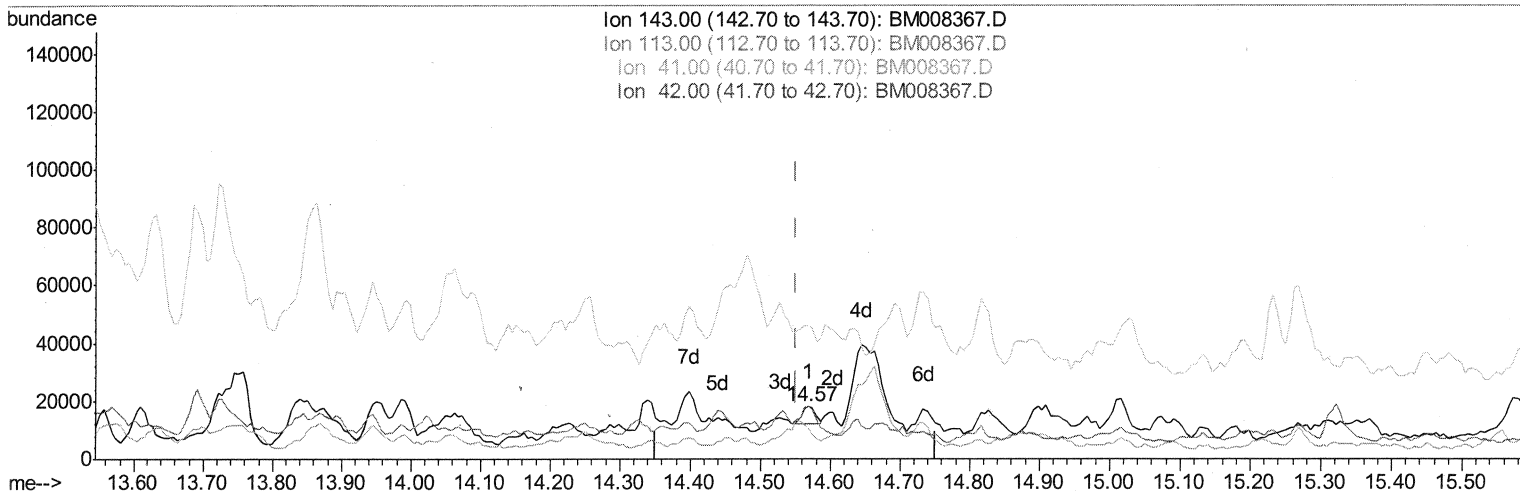
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
 Data File : BM008367.D
 Acq On : 16 Dec 2016 05:40
 Operator : UM/SJ
 Sample : H6039-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3

Manual Integrations
 APPROVED

sohil
 12/16/2016 6:22:34 PM

Quant Time: Dec 16 06:46:44 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:34:14 2016
 Response via : Initial Calibration



TIC: BM008367.D

(51) 4-Nitrophenol-d4 (S)

14.568min (+0.018) 1.97ng/ul

response 8095

Ion	Exp%	Act%
143.00	100	100
113.00	101.20	59.84#
41.00	39.40	252.93#
42.00	27.40	99.34#

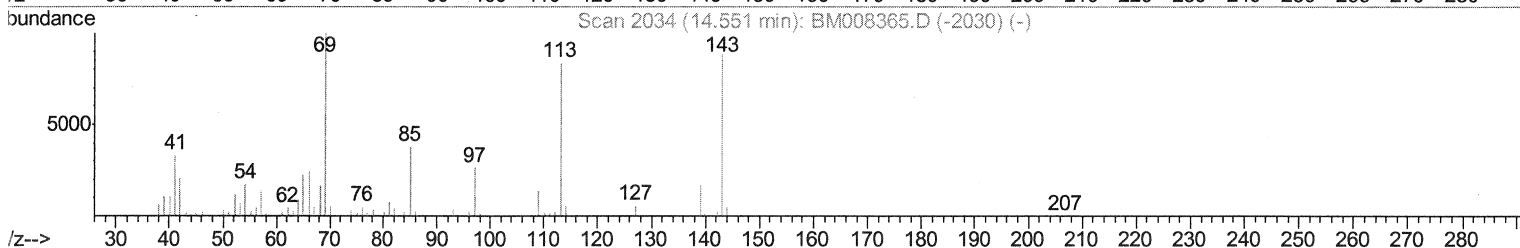
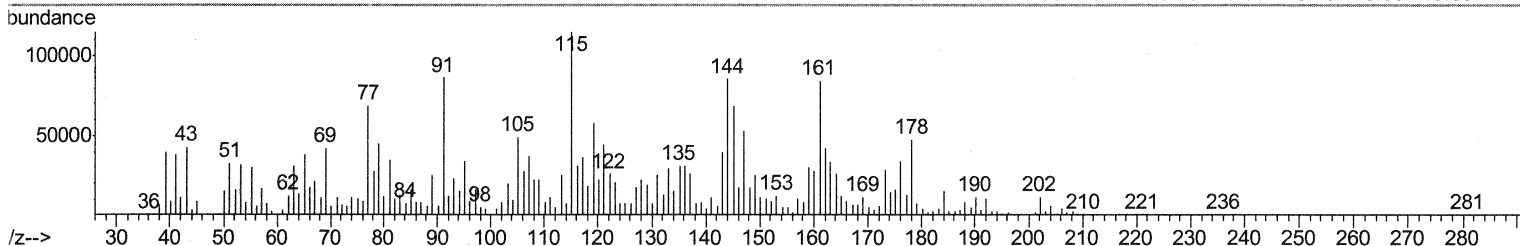
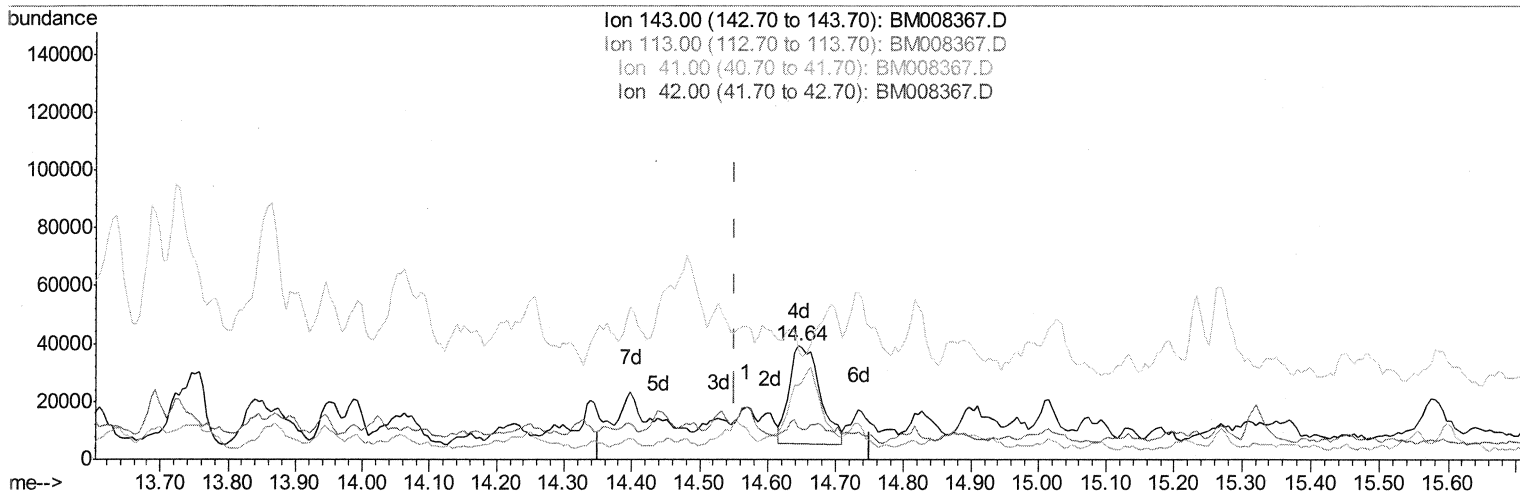
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
 Data File : BM008367.D
 Acq On : 16 Dec 2016 05:40
 Operator : UM/SJ
 Sample : H6039-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3

Manual Integrations
 APPROVED

sohil
 12/16/2016 6:22:34 PM

Quant Time: Dec 16 06:46:44 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:34:14 2016
 Response via : Initial Calibration



TIC: BM008367.D

(51) 4-Nitrophenol-d4 (S)

14.645min (+0.094) 26.23ng/ul m

53 12/20/16

response 107941

Ion	Exp%	Act%
143.00	100	100
113.00	101.20	65.35#
41.00	39.40	96.46#
42.00	27.40	28.44

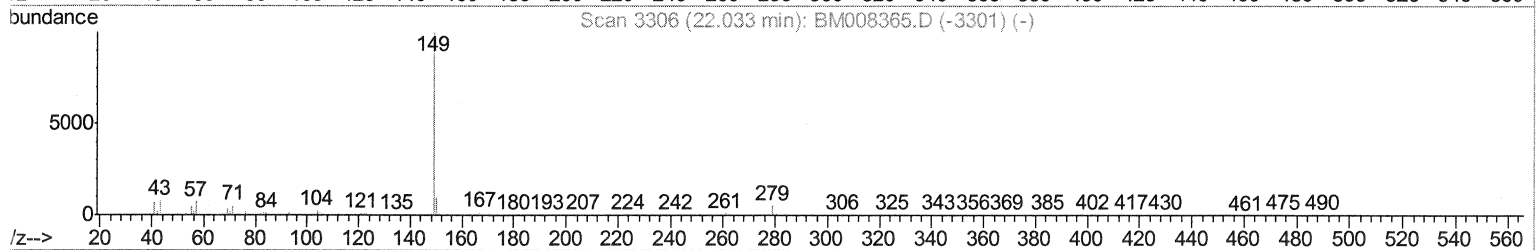
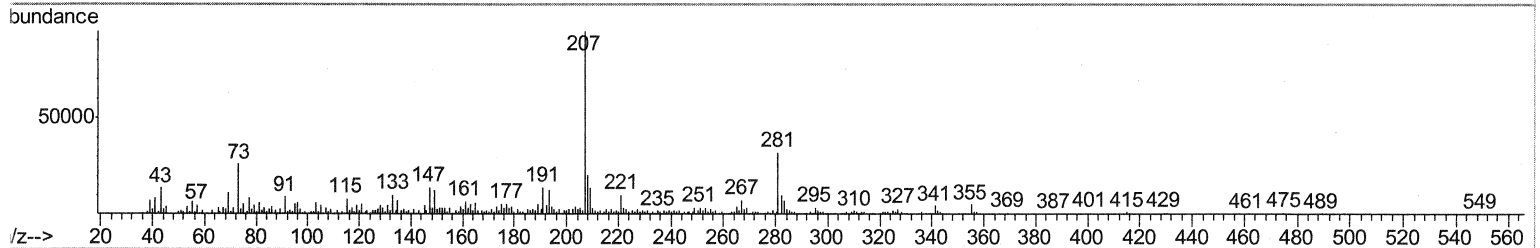
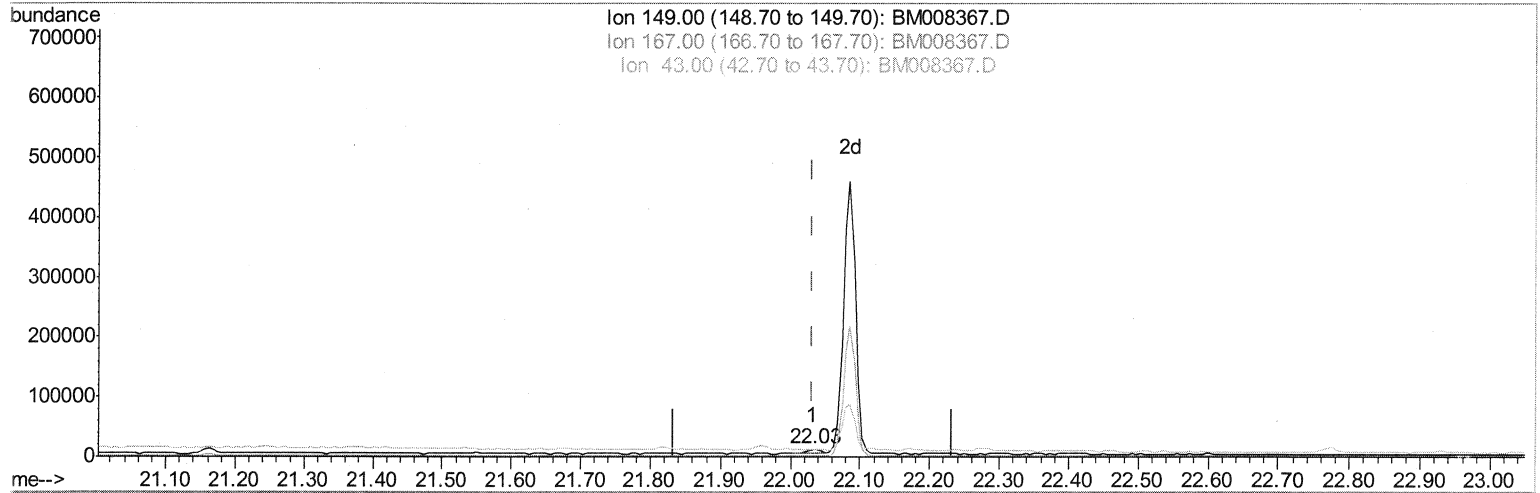
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3

Manual Integrations
APPROVED

sohil
12/16/2016 6:22:34 PM

Quant Time: Dec 16 06:46:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration



TIC: BM008367.D

(84) Di-n-octyl phthalate

22.033min (-0.000) 0.23ng/ul

response 10815

Ion	Exp%	Act%
149.00	100	100
167.00	1.60	16.59#
43.00	8.40	106.69#
0.00	0.00	0.00

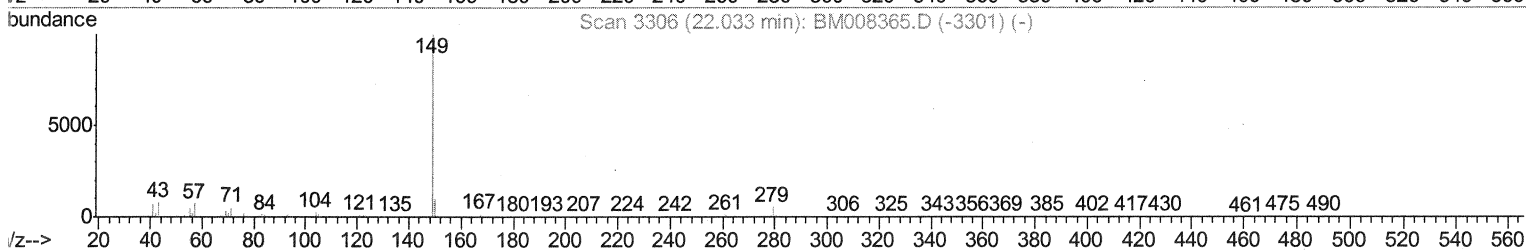
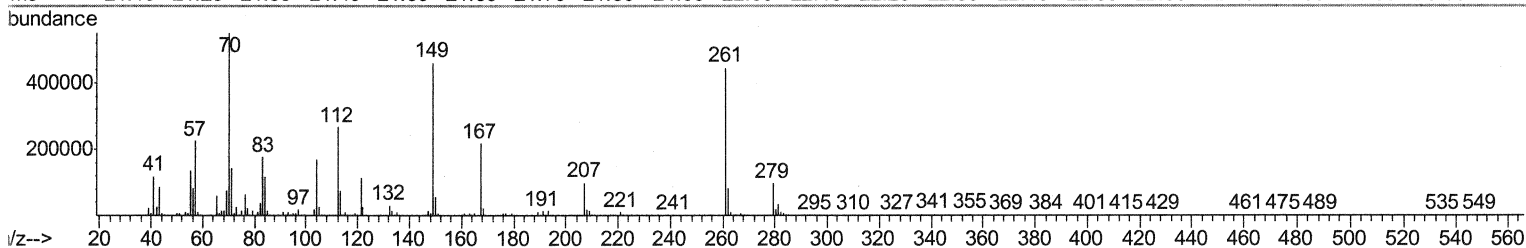
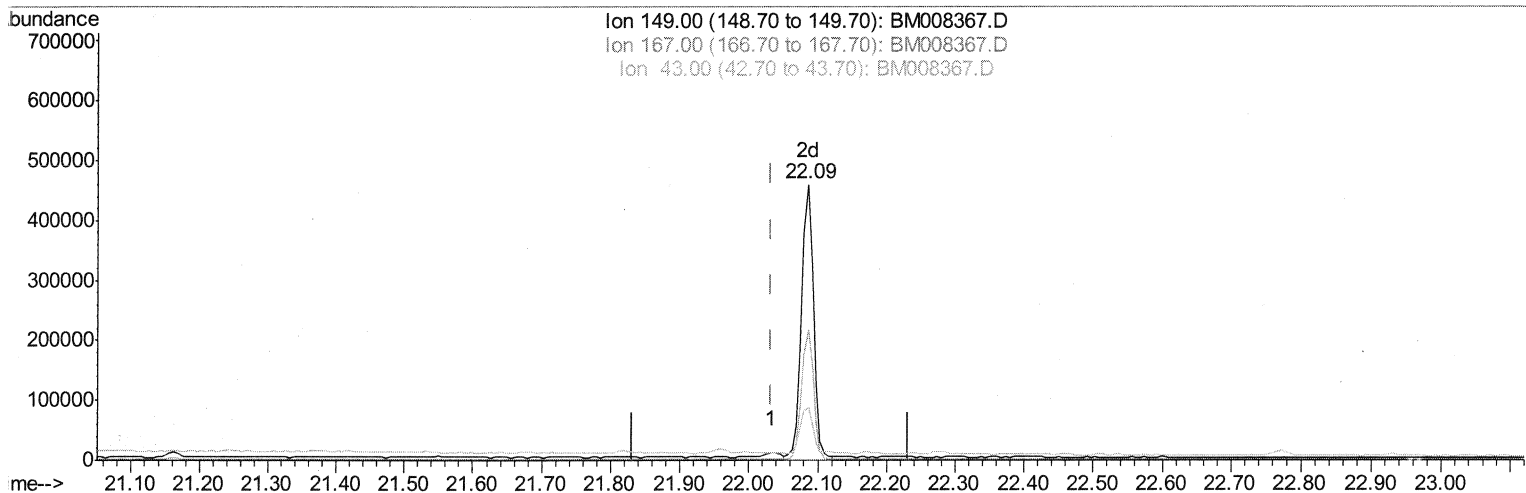
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3

Manual Integrations
APPROVED

sohil
12/16/2016 6:22:34 PM

Quant Time: Dec 16 06:46:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration



TIC: BM008367.D

(84) Di-n-octyl phthalate

22.086min (+0.053) 11.86ng/ul m

SJ 12/20/16

response 568631

Ion	Exp%	Act%
149.00	100	100
167.00	1.60	47.46#
43.00	8.40	19.23#
0.00	0.00	0.00

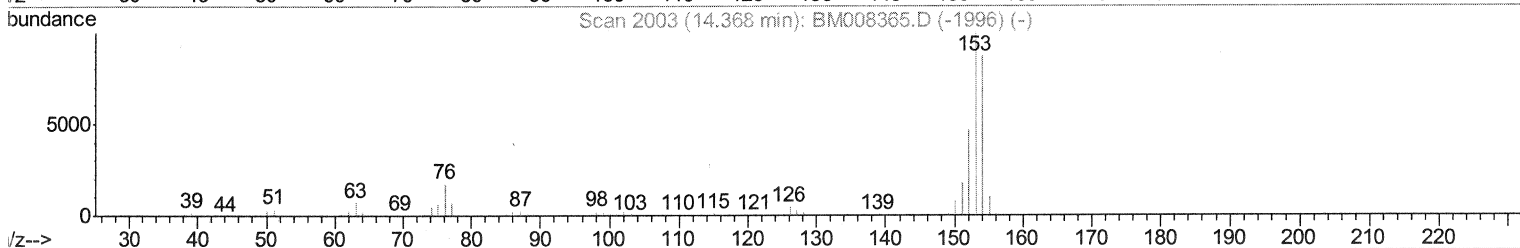
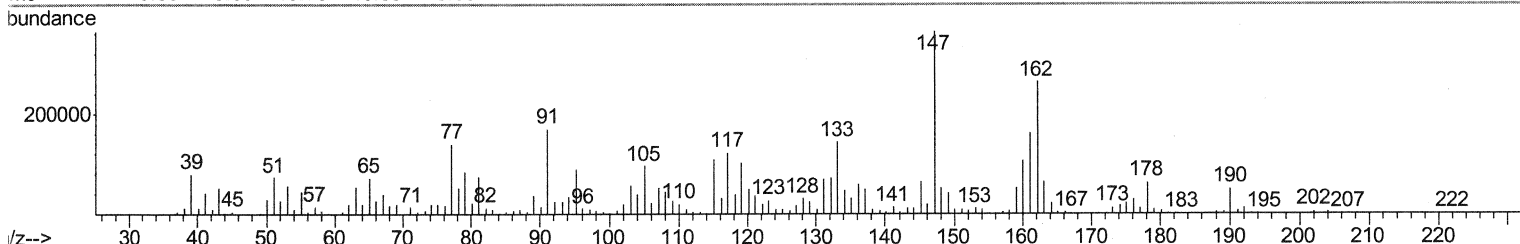
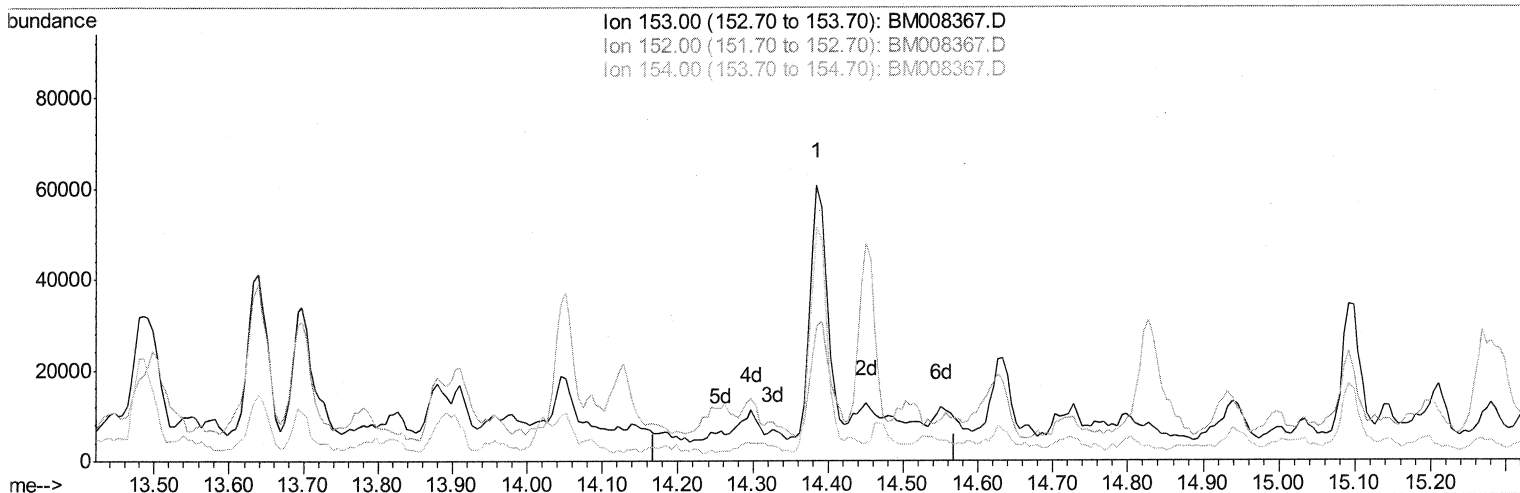
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121616\
 Data File : BM008367.D
 Acq On : 16 Dec 2016 05:40
 Operator : UM/SJ
 Sample : H6039-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3

Manual Integrations
 APPROVED

sohil
 12/16/2016 6:22:34 PM

Quant Time: Dec 16 07:18:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:34:14 2016
 Response via : Initial Calibration



TIC: BM008367.D

(49) Acenaphthene (C)

14.368min (-14.368) 0.00ng/ul d

response 0

Ion	Exp%	Act%
153.00	100	0.00
152.00	45.70	0.00
154.00	89.30	0.00
0.00	0.00	0.00

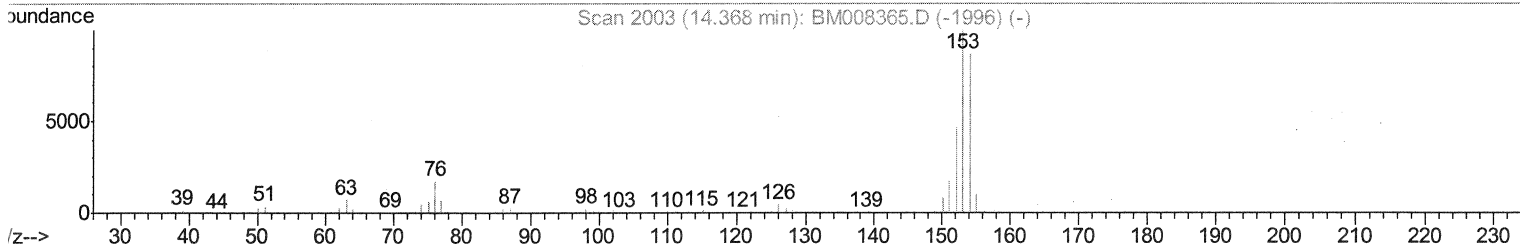
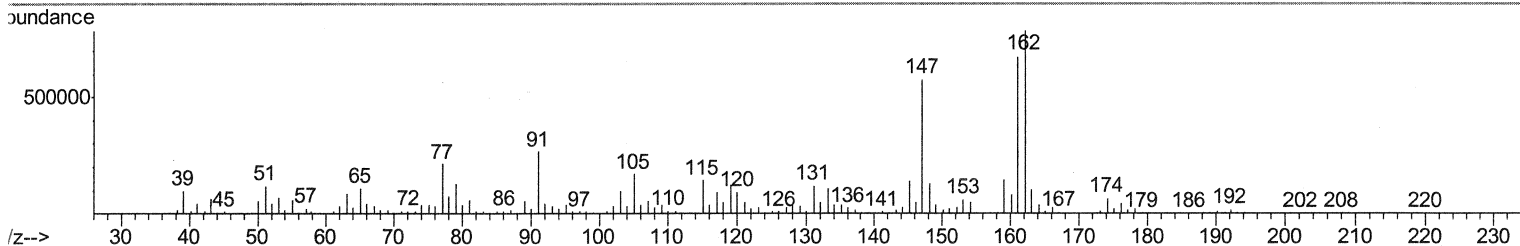
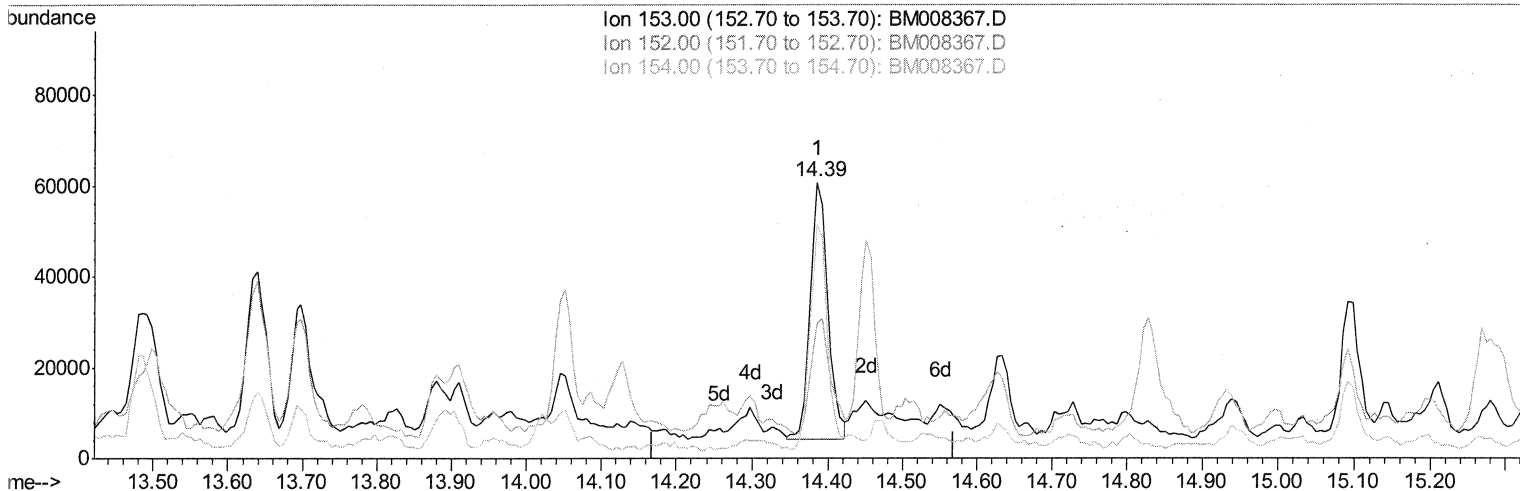
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121616\
 Data File : BM008367.D
 Acq On : 16 Dec 2016 05:40
 Operator : UM/SJ
 Sample : H6039-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3

Manual Integrations
 APPROVED

sohil
 12/16/2016 6:22:34 PM

Quant Time: Dec 16 07:18:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:34:14 2016
 Response via : Initial Calibration



TIC: BM008367.D

(49) Acenaphthene (C)

14.386min (+0.018) 3.97ng/ul m SJ 12/20/16

response 91598

Ion	Exp%	Act%
153.00	100	100
152.00	45.70	48.75
154.00	89.30	84.78
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121616\
 Data File : BM008367.D
 Acq On : 16 Dec 2016 05:40
 Operator : UM/SJ
 Sample : H6039-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3

Manual Integrations
 APPROVED

sohil
 12/16/2016 6:22:34 PM

Quant Time: Dec 16 12:23:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:34:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	145497	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	780200	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.33	164	420219	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.07	188	854479	20.00	ng/ul	0.01
75) Chrysene-d12	21.26	240	1024966	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	999509	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.88	99	97463	8.64	ng/ul	0.03
7) Bis-(2-Chloroethyl) ether-d	7.02	67	191362	29.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	235826	27.77	ng/ul	0.01
13) 4-Methylphenol-d8	8.43	113	185321	21.20	ng/ul	0.05
19) Nitrobenzene-d5	8.84	128	156292	27.72	ng/ul	0.02
22) 2-Nitrophenol-d4	9.55	143	171219	27.40	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.12	165	297242	25.96	ng/ul	0.04
29) 4-Chloroaniline-d4	10.60	131	361726	27.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	1063415m	38.07	ng/ul	0.06
46) Acenaphthylene-d8	14.02	160	1320384	40.00	ng/ul	0.02
51) 4-Nitrophenol-d4	14.64	143	107941m	26.23	ng/ul	0.09
57) Fluorene-d10	15.32	176	1479409	60.93	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.49	200	156551	30.78	ng/ul	0.02
70) Anthracene-d10	17.17	188	1412293	37.94	ng/ul	0.01
76) Pyrene-d10	19.46	212	1593902	40.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1543760	36.78	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.91	94	783243	66.83	ng/ul	96
11) 2-Methylphenol	8.16	108	3876142	451.86	ng/ul	99
16) 4-Methylphenol	8.51	108	5760944	619.26	ng/ul	89
24) 2,4-Dimethylphenol	9.72	107	10765094m	754.19	ng/ul	
28) Naphthalene	10.50	128	1733185	46.93	ng/ul	98
34) 2-Methylnaphthalene	12.13	142	1715862	64.30	ng/ul	99
40) 1,1'-Biphenyl	13.15	154	391786	13.98	ng/ul#	91
49) Acenaphthene	14.39	153	91598m	3.97	ng/ul	
53) Dibenzofuran	14.73	168	164544	4.89	ng/ul#	82
58) Fluorene	15.37	166	142182	5.14	ng/ul#	89
84) Di-n-octyl phthalate	22.09	149	568631m	11.86	ng/ul	

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