

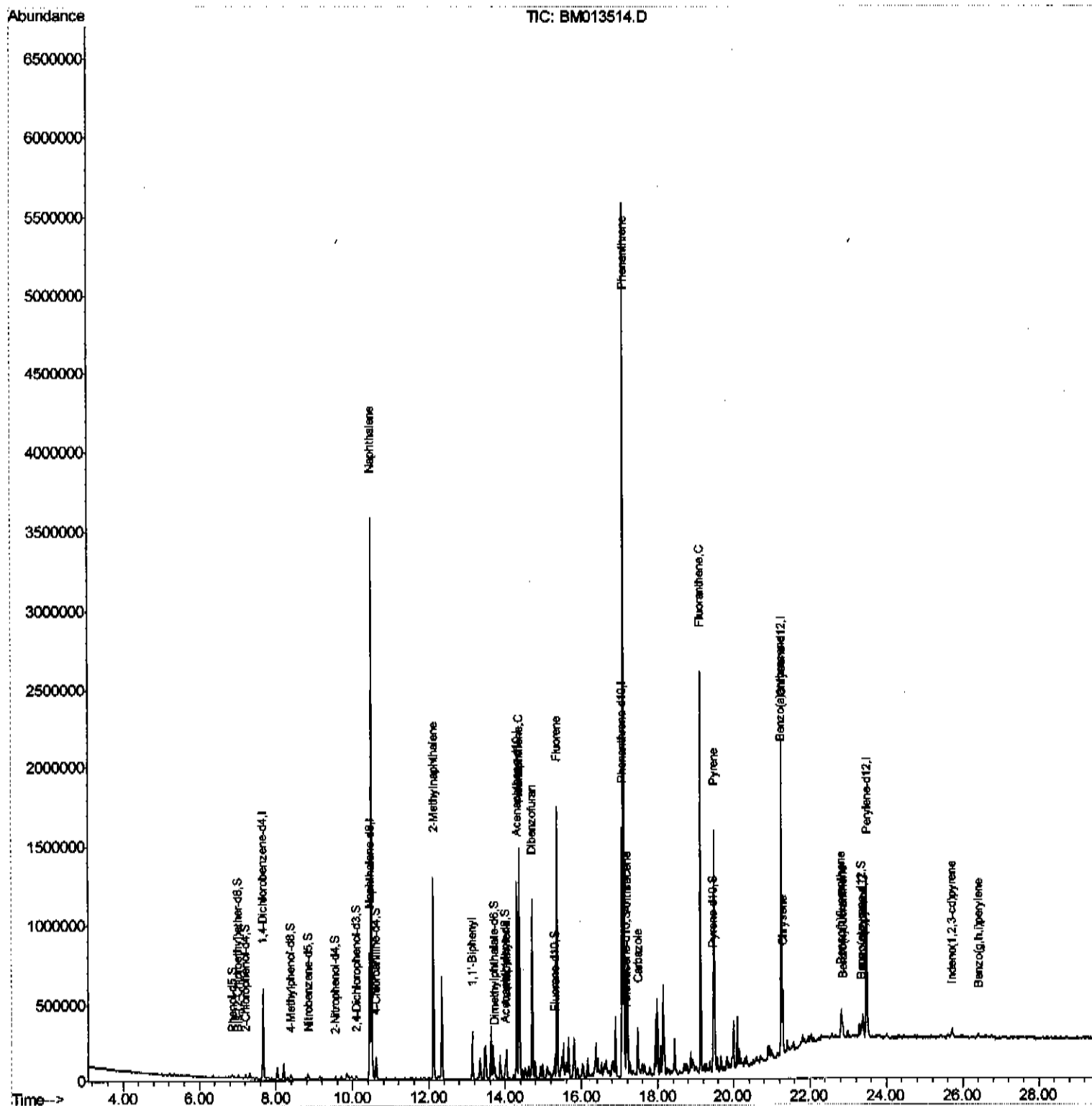
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013514.D
 Acq On : 19 Dec 2017 15:53
 Operator : SJ/JU
 Sample : I6778-13ME 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A78ME

Manual Integrations
 APPROVED

Sohil
 12/20/2017 3:49:36 PM

Quant Time: Dec 20 04:51:38 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SQM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 20 03:10:37 2017
 Response via : Initial Calibration



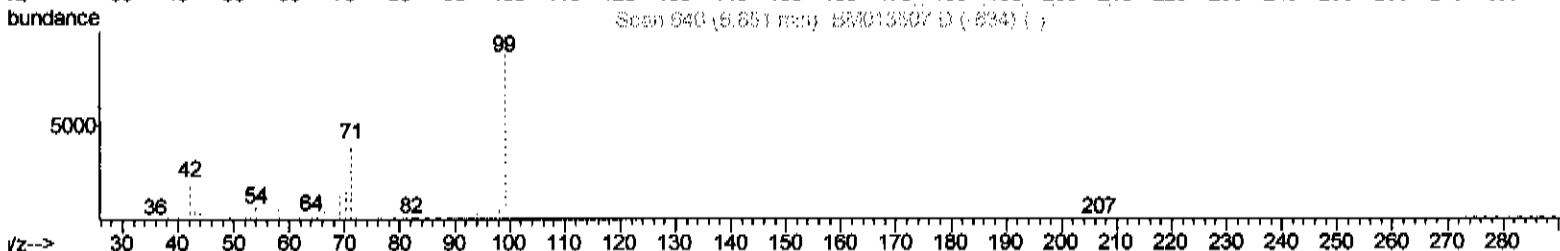
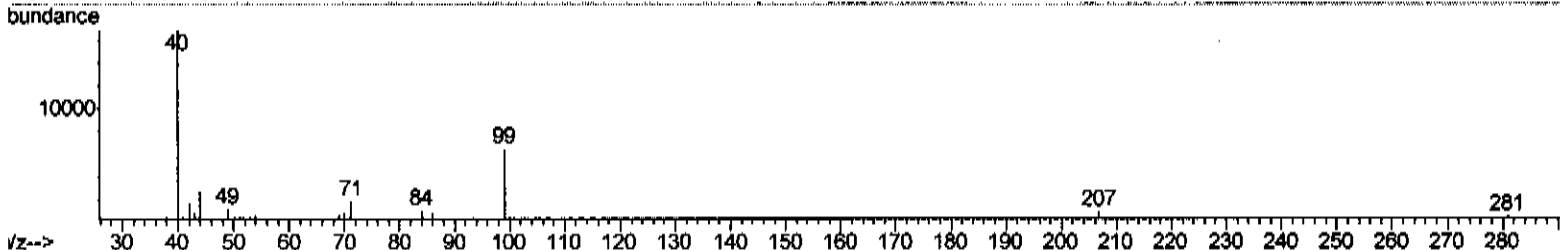
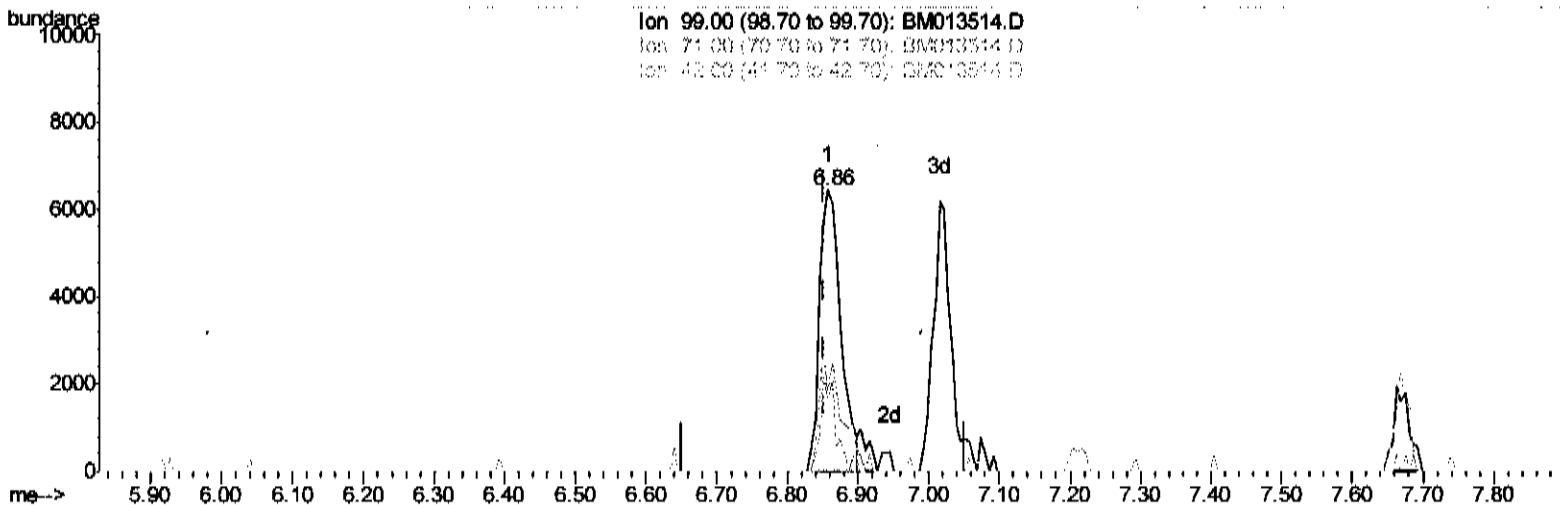
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TIC: BM013514.D

(5) Phenol-d5 (S)

6.857min (+0.006) 1.02ng/ul

response 13554

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	28.13#
42.00	24.20	25.84
0.00	0.00	0.00

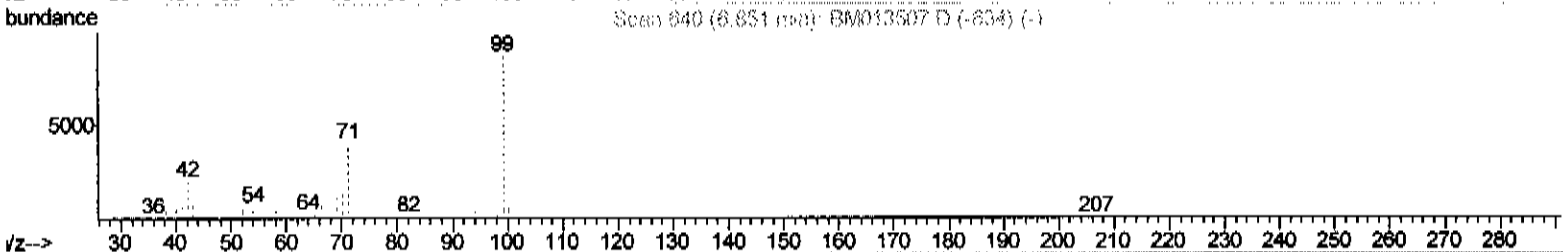
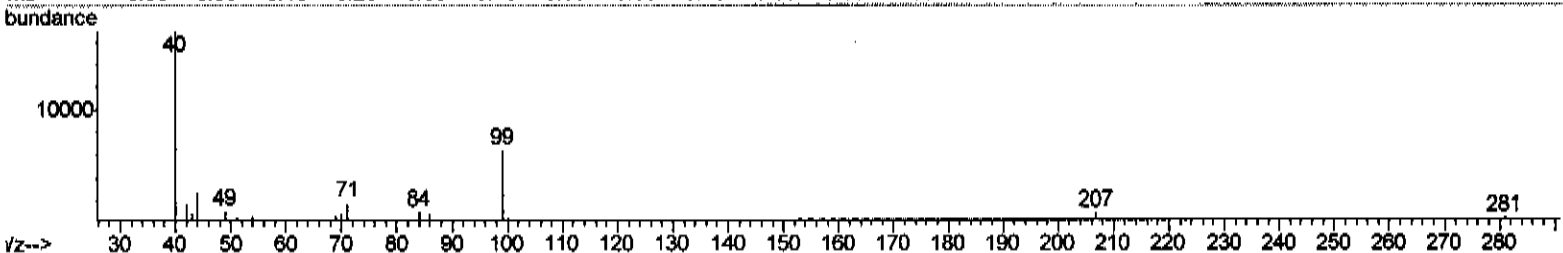
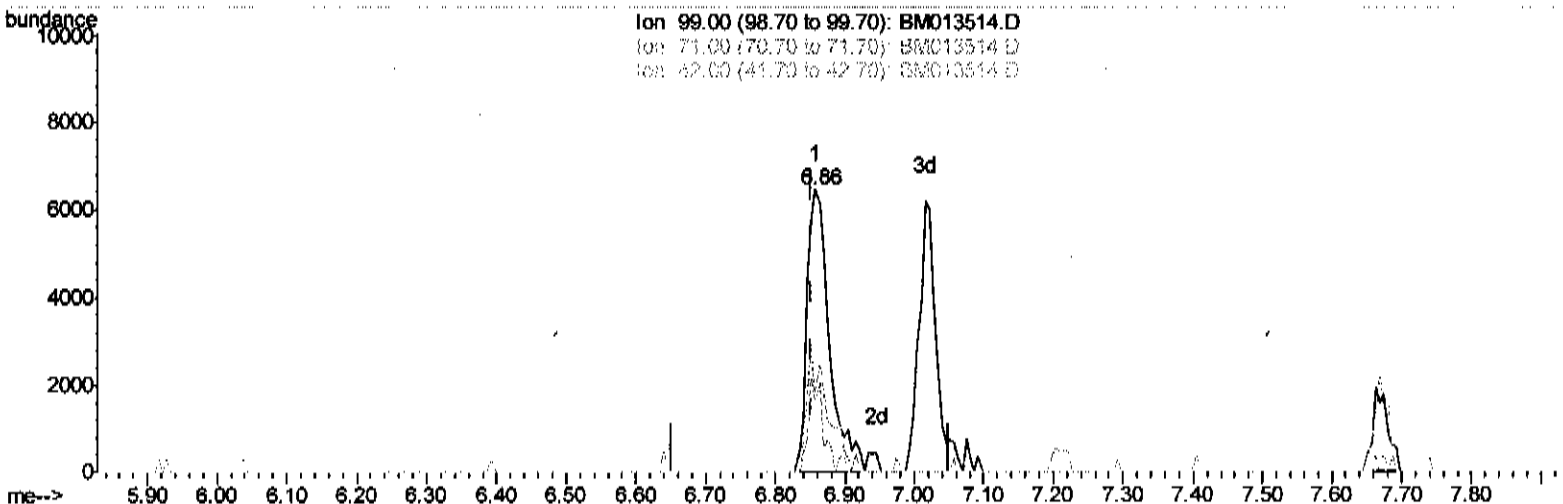
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TIC: BM013514.D

(5) Phenol-d5 (S)

6.857min (+0.006) 1.09ng/ul m

response 14463

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	28.13#
42.00	24.20	25.84
0.00	0.00	0.00

Jul 2/20/17

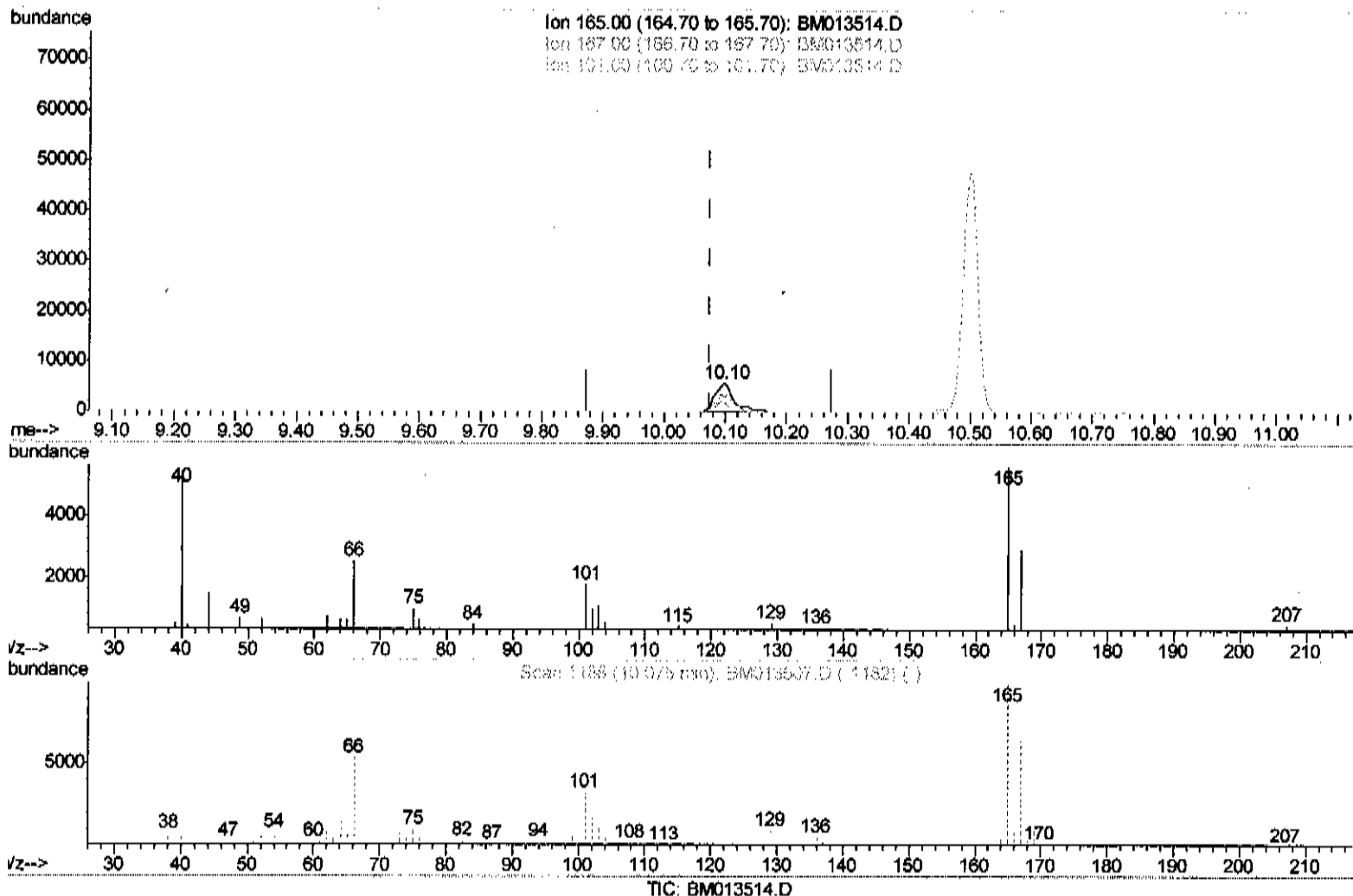
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Quant Time: Dec 20 04:48:05 2017
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(26) 2,4-Dichlorophenol-d3 (S)

10.098min (+0.023) 0.93ng/ul

response 10735

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	52.14
101.00	29.30	31.43
0.00	0.00	0.00

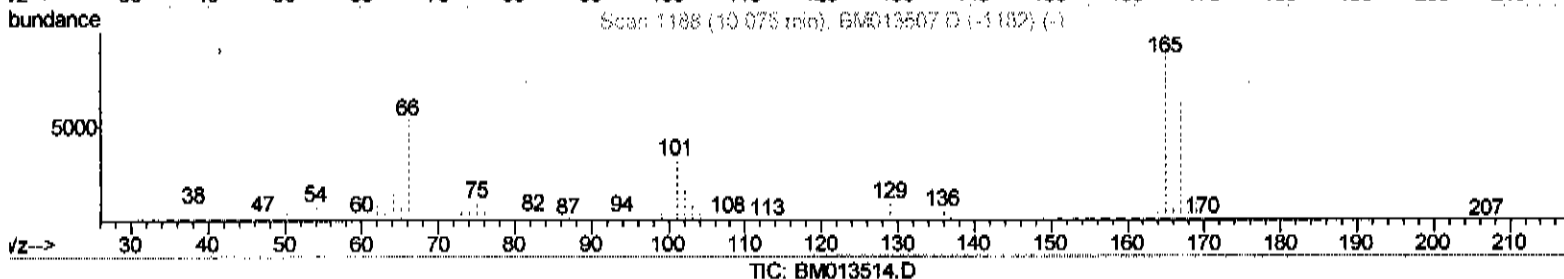
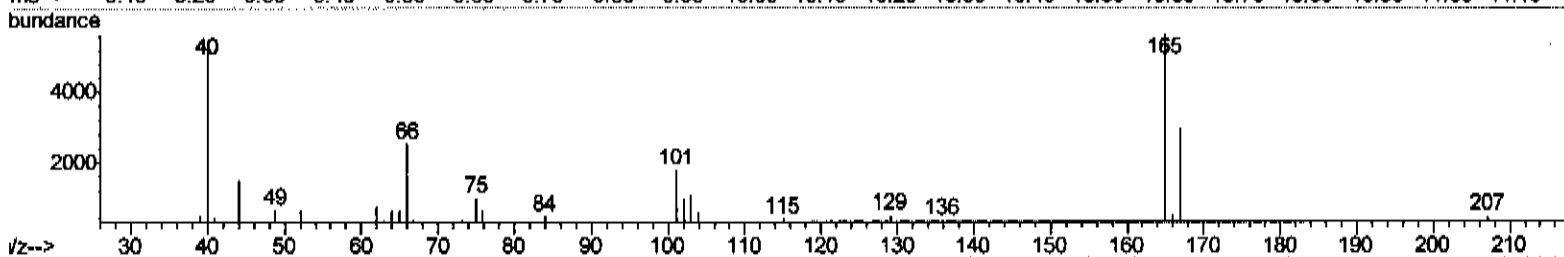
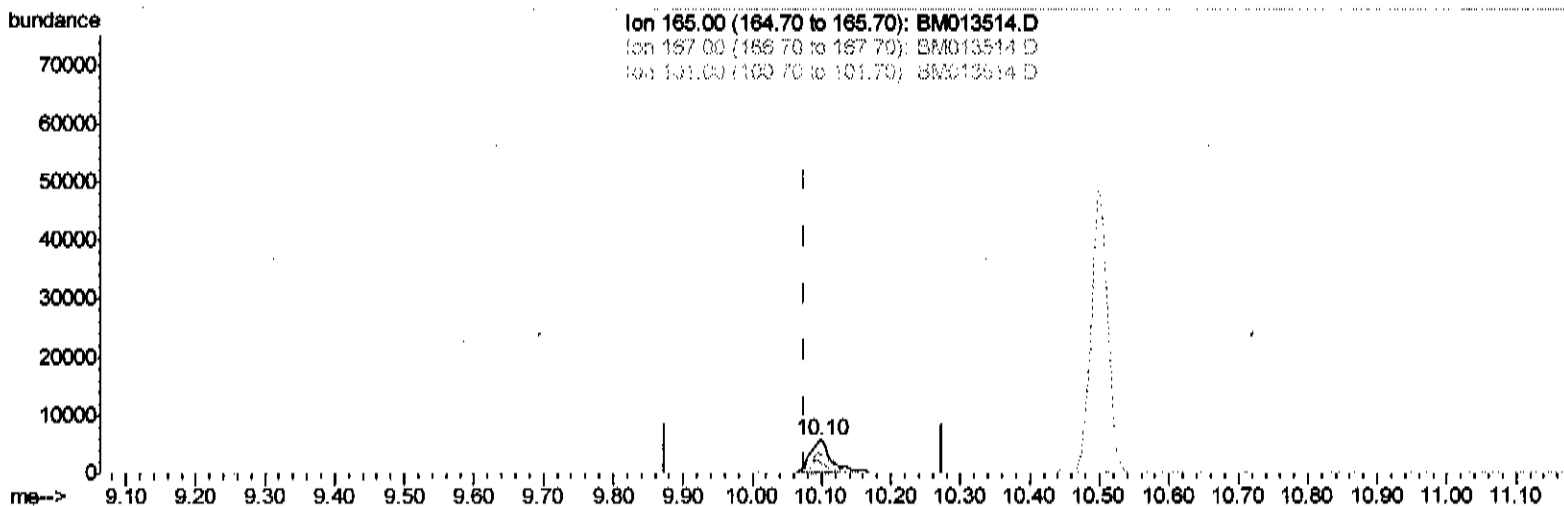
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Instrument :
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(26) 2,4-Dichlorophenol-d3 (S)

10.098min (+0.023) 1.05ng/ul m

response 12066

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	52.14
101.00	29.30	31.43
0.00	0.00	0.00

ju 12/20/17

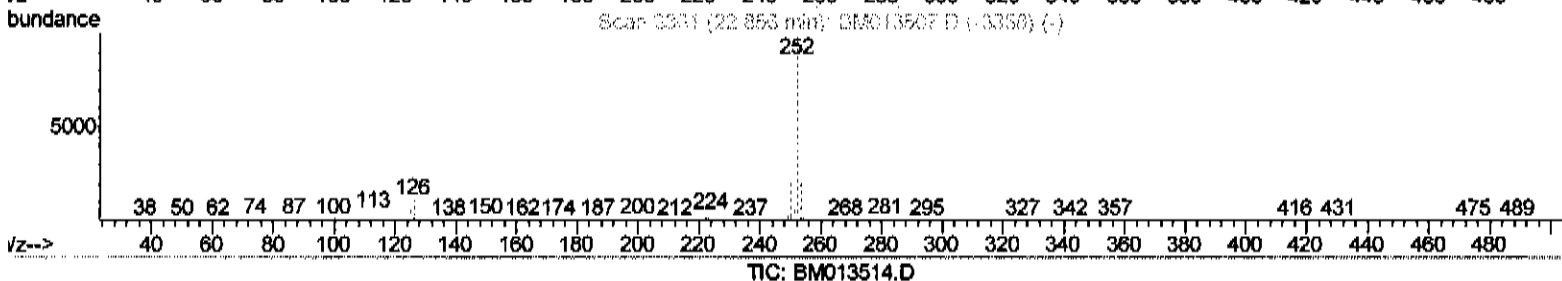
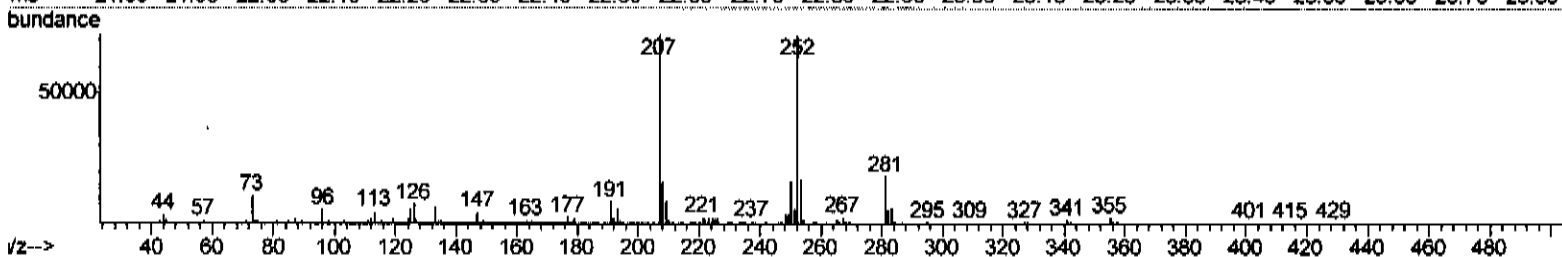
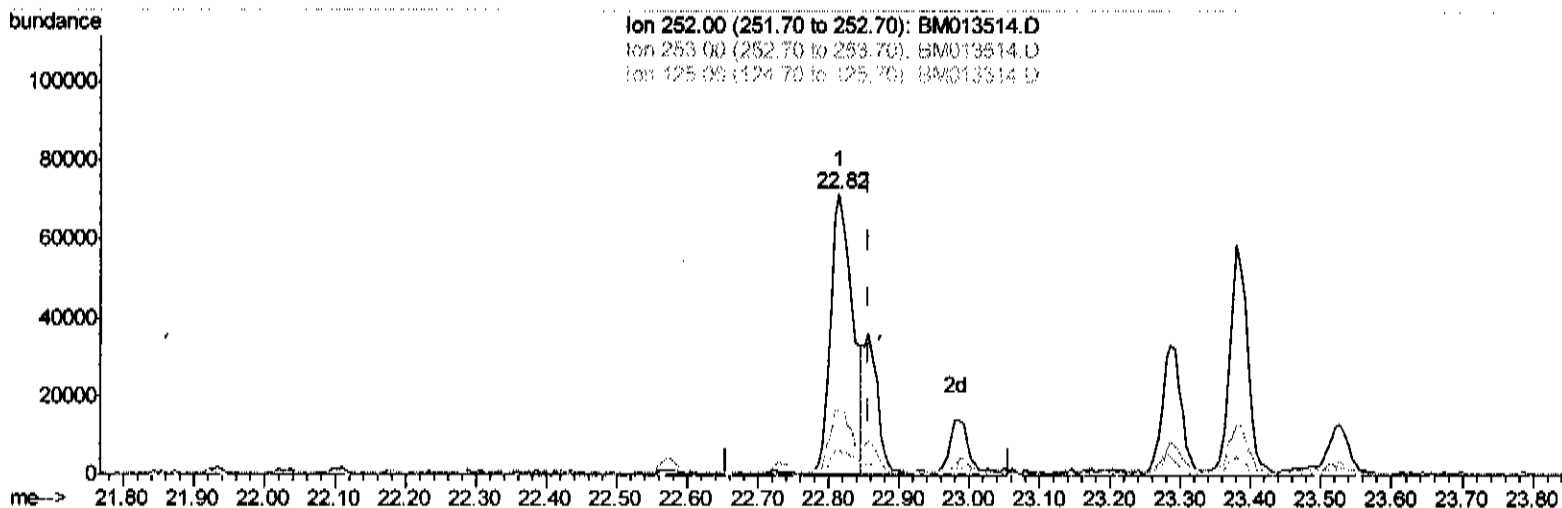
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 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

Sohil
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Quant Time: Dec 20 04:48:46 2017
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(86) Benzo(k)fluoranthene
 22.815min (-0.041) 3.38ng/ul
 response 154871

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.37
125.00	4.30	8.86#
0.00	0.00	0.00

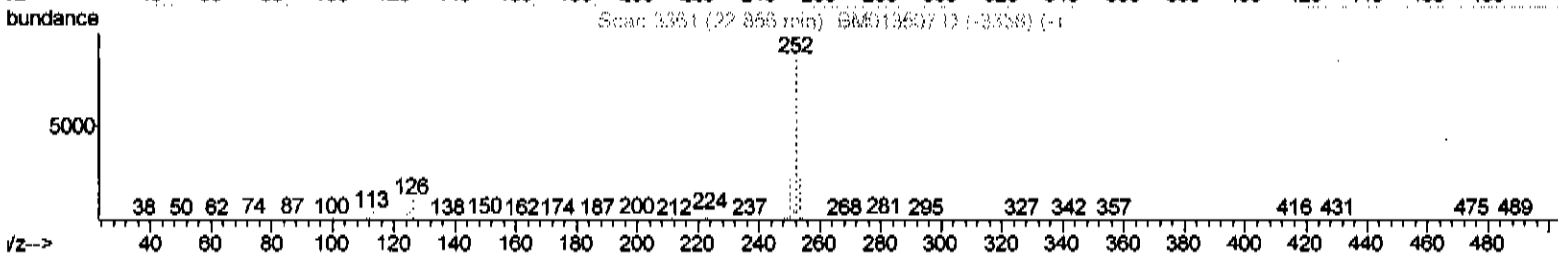
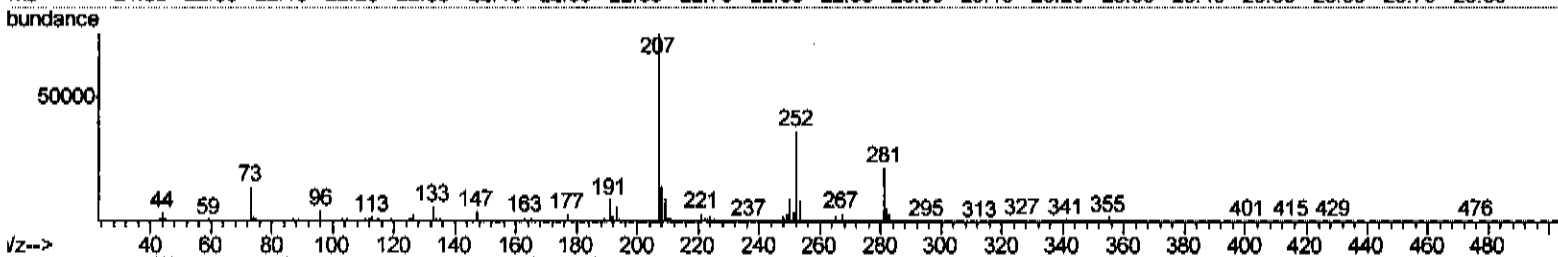
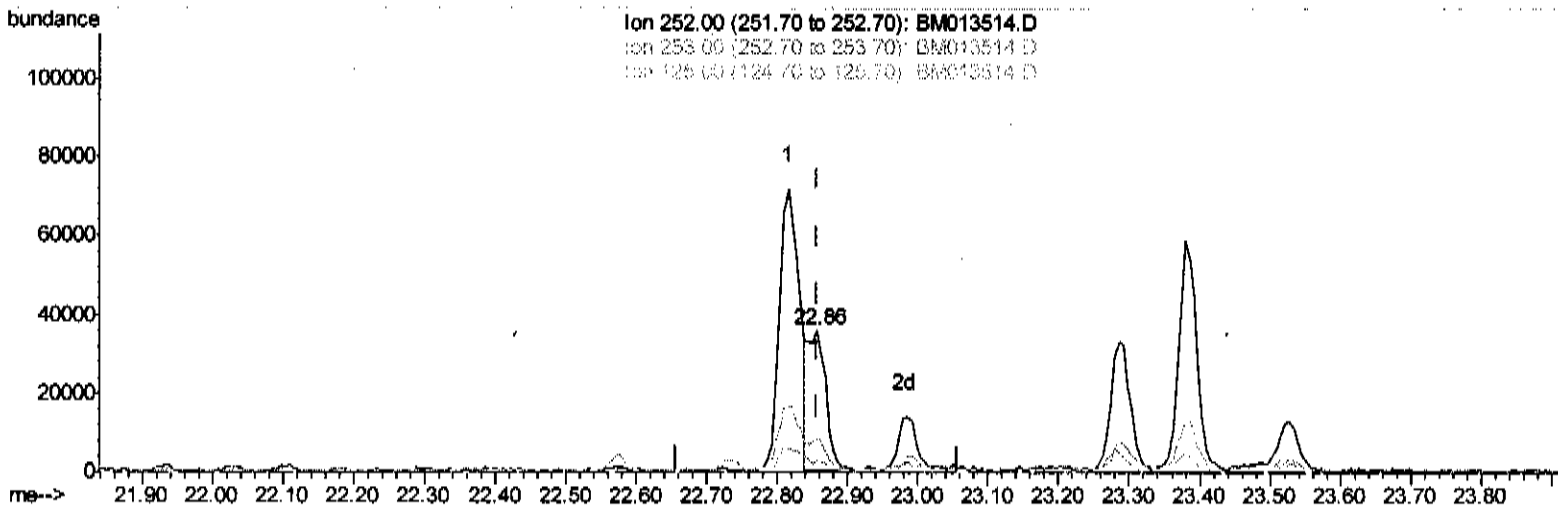
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013514.D
 Acq On : 19 Dec 2017 15:53
 Operator : SJ/JU
 Sample : I6778-13ME 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampled :
 F9A78ME

Manual Integrations
 APPROVED

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TIC: BM013514.D

(86) Benzo(k)fluoranthene

22.856min (-0.000) 1.32ng/ul m

response 60458

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.12
125.00	4.30	4.67
0.00	0.00	0.00

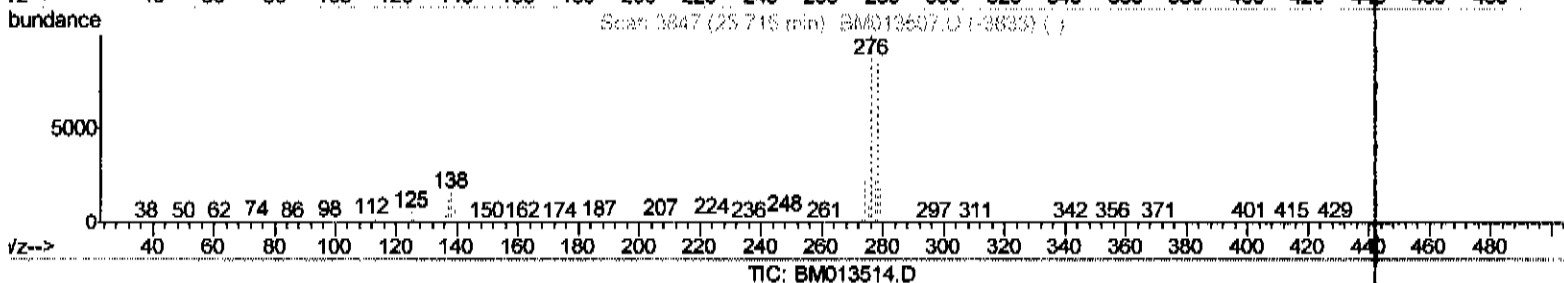
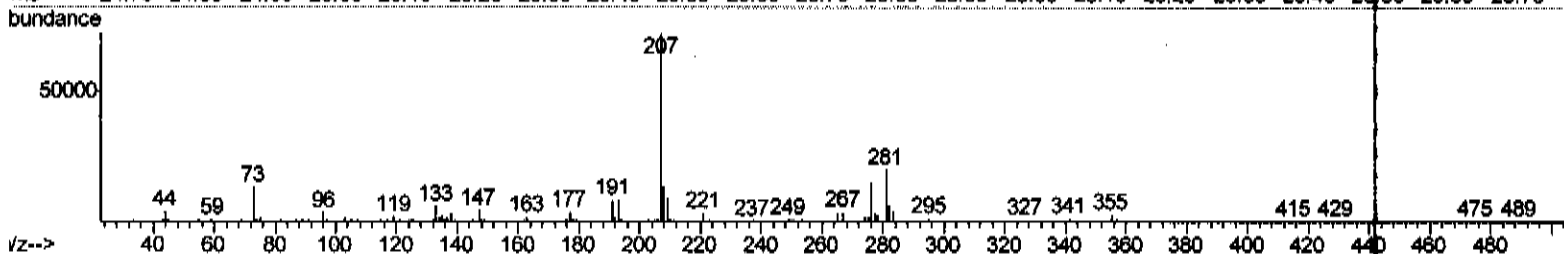
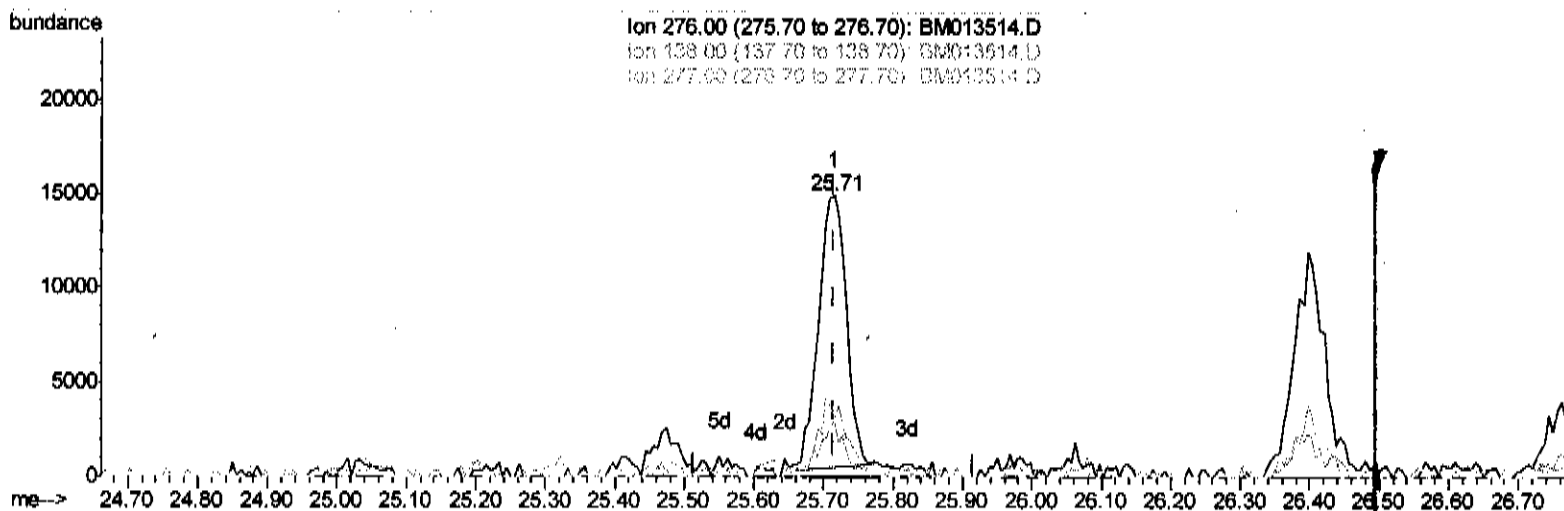
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 Data File : BM013514.D
 Acq On : 19 Dec 2017 15:53
 Operator : SJ/JU
 Sample : I6778-13ME 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 F9A78ME

Manual Integrations
 APPROVED

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(89) Indeno(1,2,3-cd)pyrene

25.715min (-0.000) 0.92ng/ul

response 39846

Ion	Exp%	Act%
276.00	100	100
138.00	11.60	20.40#
277.00	24.90	21.59
0.00	0.00	0.00

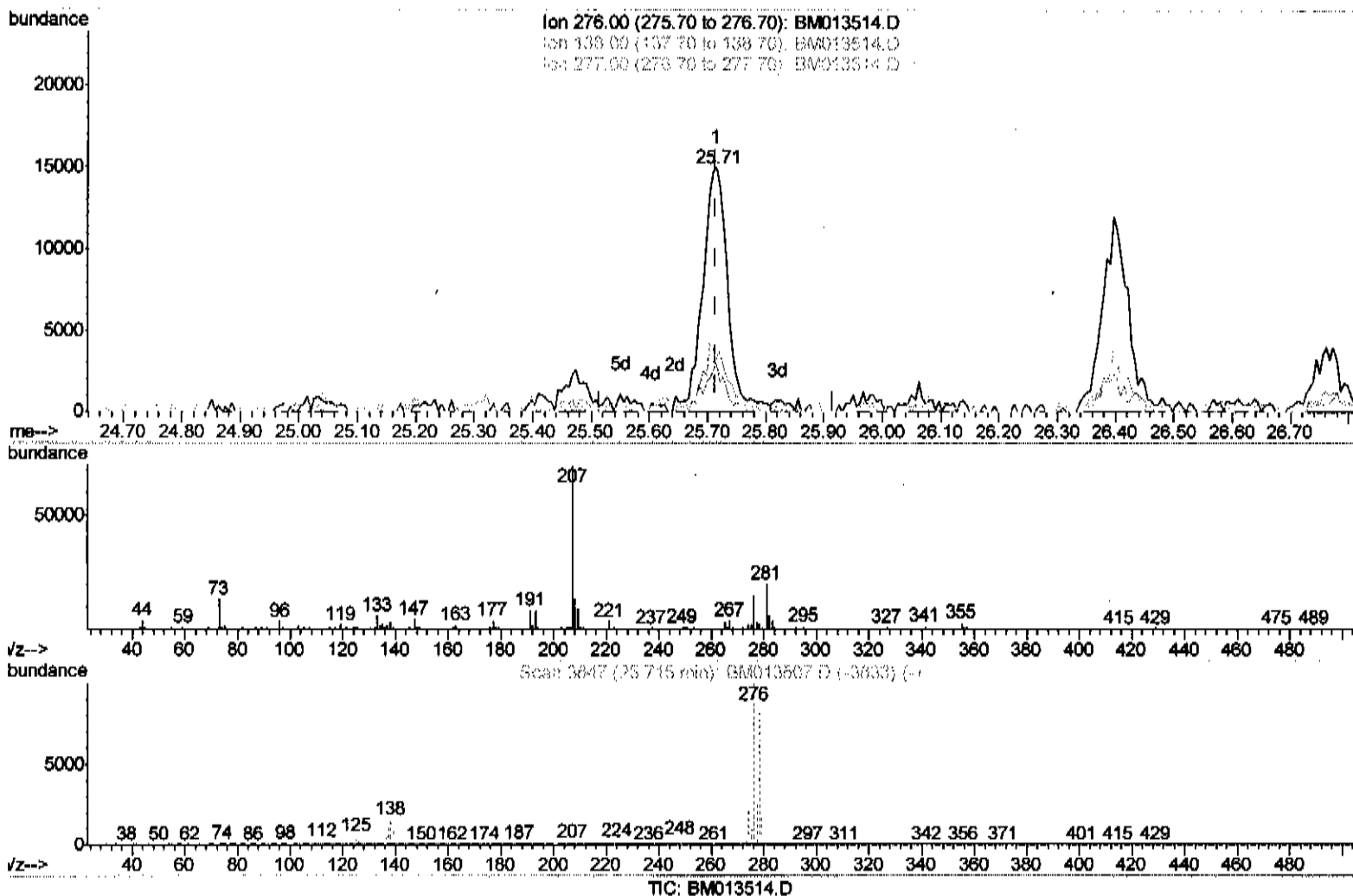
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 Acq On : 19 Dec 2017 15:53
 Operator : SJ/JU
 Sample : I6778-13ME 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A78ME

Manual Integrations
 APPROVED

Sohil
 12/20/2017 3:49:36 PM

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 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
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(89) Indeno(1,2,3-cd)pyrene

25.715min (-0.000) 1.05ng/ul m

response 45718

Ion	Exp%	Act%
276.00	100	100
138.00	11.60	20.40#
277.00	24.90	21.59
0.00	0.00	0.00

JU 12/20/17

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Manual Integrations
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Sohil
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	153250	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	658078	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	394491	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	910053	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	814889	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	722780	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	618	0.20	ng/uL	0.00
5) Phenol-d5	6.86	99	14463m	1.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	9205	1.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	12199	1.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	12208	1.08	ng/ul	0.01
19) Nitrobenzene-d5	8.83	128	7970	1.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	5688	1.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	12066m	1.05	ng/ul	0.02
29) 4-Chloroaniline-d4	10.61	131	20327	1.92	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	42621	1.21	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	52069	1.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	1046	0.17	ng/ul	0.03
57) Fluorene-d10	15.31	176	39952	1.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	1318	0.23	ng/ul	0.02
70) Anthracene-d10	17.16	188	62465	1.37	ng/ul	0.00
76) Pyrene-d10	19.46	212	61418	1.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	44207	1.20	ng/ul	0.00

Target Compounds

				Ovalue
28) Naphthalene	10.50	128	2770905	81.841 ng/ul 99
34) 2-Methylnaphthalene	12.12	142	572139	22.480 ng/ul 95
40) 1,1'-Biphenyl	13.15	154	159718	4.791 ng/ul 97
47) Acenaphthylene	14.03	152	80345	2.004 ng/ul# 95
49) Acenaphthene	14.38	153	568188	20.806 ng/ul 99
53) Dibenzofuran	14.72	168	628049	15.578 ng/ul 99
58) Fluorene	15.37	166	710085	21.291 ng/ul 98
69) Phenanthrene	17.11	178	3135055	60.637 ng/ul 98
71) Anthracene	17.20	178	458209	8.670 ng/ul 99
72) Carbazole	17.47	167	178729	3.932 ng/ul# 95
74) Fluoranthene	19.13	202	1472934	23.247 ng/ul# 93
77) Pyrene	19.49	202	969821	19.590 ng/ul# 92
80) Benzo(a)anthracene	21.24	228	252540	4.884 ng/ul 96
82) Chrysene	21.29	228	215741	4.498 ng/ul 97
85) Benzo(b)fluoranthene	22.82	252	154871	3.179 ng/ul# 96
86) Benzo(k)fluoranthene	22.86	252	60458m	1.319 ng/ul 96
88) Benzo(a)pyrene	23.38	252	102119	2.333 ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	25.71	276	45718m	1.053 ng/ul 80
91) Benzo(g,h,i)perylene	26.40	276	35252	1.029 ng/ul# 80

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