

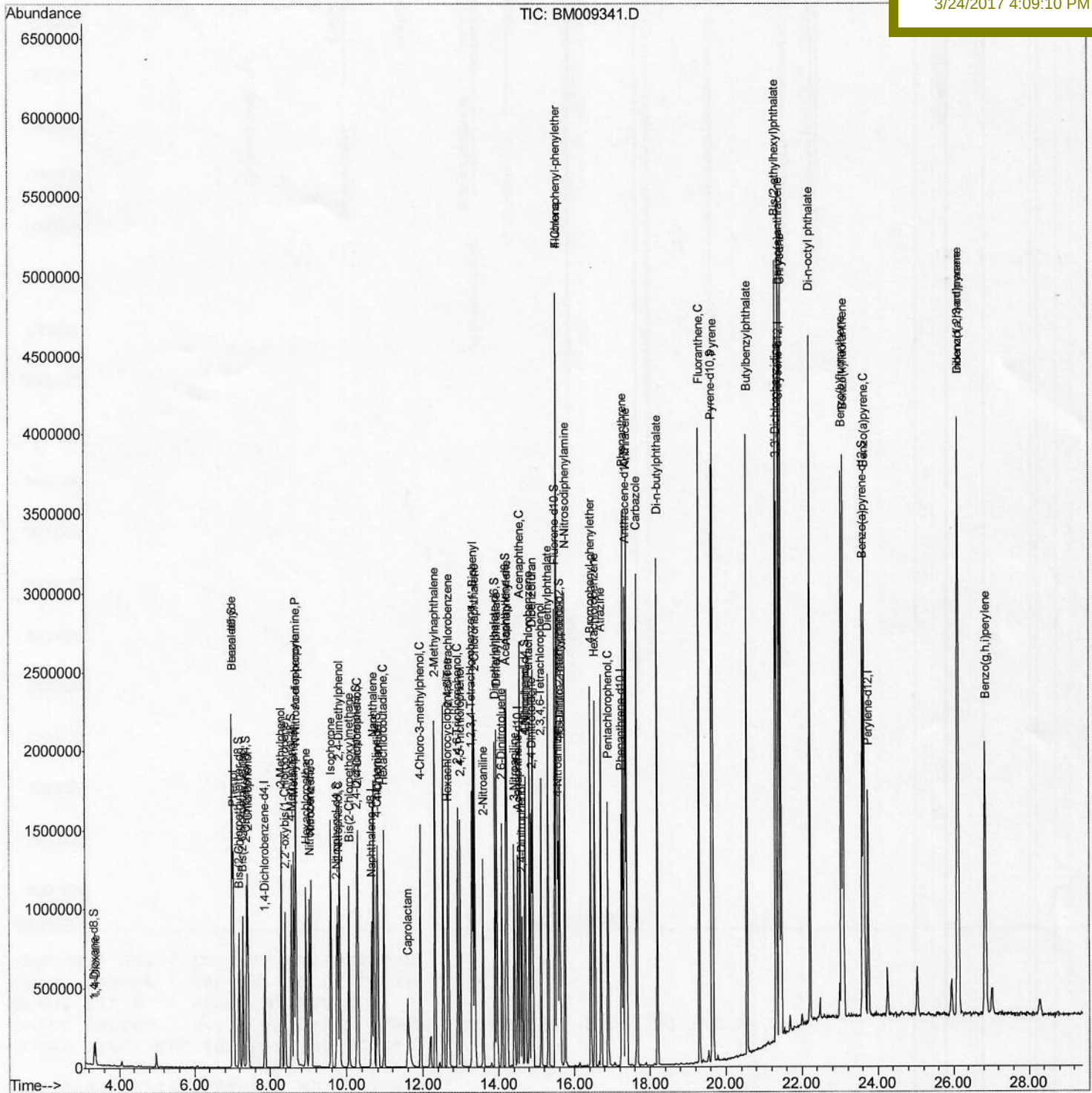
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032317\
Data File : BM009341.D
Acq On : 23 Mar 2017 13:38
Operator : SJ/MA
Sample : SSTD04054
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 23 16:13:04 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 23 14:28:17 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04054

Manual Integrations

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	155588	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	632908	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	423505	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	864610m	20.00	ng/ul	0.00
77) Chrysene-d12	21.43	240	1086676	20.00	ng/ul	0.00
85) Perylene-d12	23.75	264	1006008	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	62491	17.69	ng/uL	0.00
5) Phenol-d5	7.02	99	547561	32.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	391250m	35.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	386770	37.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	406777	30.29	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	192298	42.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	204069	40.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	406236	37.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	468963	36.70	ng/ul	0.00
43) Dimethylphthalate-d6	13.91	166	1159173	36.04	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1489836	40.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	212137	33.22	ng/ul	0.00
57) Fluorene-d10	15.50	176	1064521	37.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	215082	41.58	ng/ul	0.00
70) Anthracene-d10	17.35	188	1660221	40.57	ng/ul	0.00
78) Pyrene-d10	19.64	212	1879876	42.86	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.60	264	1919290	41.70	ng/ul	0.00

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Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.37	88	70027	18.68	ng/uL#	68
4) Benzaldehyde	7.00	77	440520	39.05	ng/ul#	80
6) Phenol	7.04	94	584958	32.54	ng/ul#	76
8) Bis(2-Chloroethyl)ether	7.29	93	456528	35.46	ng/ul#	77
10) 2-Chlorophenol	7.42	128	408809	38.54	ng/ul#	78
11) 2-Methylphenol	8.29	108	412058	31.65	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	8.39	45	740541	34.53	ng/ul#	88
14) Acetophenone	8.69	105	711473	31.54	ng/ul#	78
15) N-Nitroso-di-n-propylamine	8.66	70	422116	30.53	ng/ul#	77
16) 4-Methylphenol	8.62	108	440402	29.83	ng/ul	93
17) Hexachloroethane	8.93	117	198552	42.75	ng/ul	97
20) Nitrobenzene	9.07	77	626725	41.58	ng/ul#	82
21) Isophorone	9.59	82	1062927	35.65	ng/ul#	91
23) 2-Nitrophenol	9.77	139	220473	40.37	ng/ul#	65
24) 2,4-Dimethylphenol	9.82	107	531525	37.93	ng/ul	89
25) Bis(2-Chloroethoxy)methane	10.07	93	595063	36.41	ng/ul#	98
27) 2,4-Dichlorophenol	10.30	162	404168	38.10	ng/ul	97
28) Naphthalene	10.71	128	1258244	38.77	ng/ul	99
30) 4-Chloroaniline	10.82	127	503071	37.15	ng/ul	98
31) Hexachlorobutadiene	10.98	225	306612	41.93	ng/ul	97
32) Caprolactam	11.60	113	119627m	27.00	ng/ul	
33) 4-Chloro-3-methylphenol	11.93	107	459258	32.99	ng/ul	93
34) 2-Methylnaphthalene	12.32	142	911078	35.26	ng/ul	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
36) 1,2,4,5-Tetrachlorobenzene	12.69	216	563763	44.26	nq/ul	98
37) Hexachlorocyclopentadiene	12.66	237	343888	47.75	nq/ul	97
38) 2,4,6-Trichlorophenol	12.93	196	338841	41.96	nq/ul	97
39) 2,4,5-Trichlorophenol	13.00	196	353628	38.22	nq/ul	97
40) 1,1'-Biphenyl	13.33	154	1229966	41.45	nq/ul#	97
41) 2-Chloronaphthalene	13.37	162	940370	40.95	nq/ul	97
42) 2-Nitroaniline	13.59	65	373073	39.56	nq/ul#	65
44) Dimethylphthalate	13.96	163	1164370	36.09	nq/ul	99
45) 2,6-Dinitrotoluene	14.09	165	236028	38.03	nq/ul#	73
47) Acenaphthylene	14.22	152	1477787	39.91	nq/ul	99
48) 3-Nitroaniline	14.42	138	244553	37.00	nq/ul#	68
49) Acenaphthene	14.57	153	1009380	38.75	nq/ul	97
50) 2,4-Dinitrophenol	14.62	184	151647	37.27	nq/ul#	77
52) 4-Nitrophenol	14.71	109	249715	33.48	nq/ul#	71
53) Dibenzofuran	14.90	168	1463489	38.12	nq/ul	96
54) 2,4-Dinitrotoluene	14.87	165	352357	36.85	nq/ul#	63
55) 2,3,4,6-Tetrachlorophenol	15.13	232	331822	37.37	nq/ul#	89
56) Diethylphthalate	15.32	149	1213596	35.93	nq/ul	99
58) Fluorene	15.55	166	1221652	36.87	nq/ul	96
59) 4-Chlorophenyl-phenylether	15.54	204	635209	37.31	nq/ul	90
60) 4-Nitroaniline	15.58	138	267923	35.71	nq/ul#	68
63) 4,6-Dinitro-2-methylphenol	15.63	198	231333	42.58	nq/ul#	88
64) N-Nitrosodiphenylamine	15.76	169	1053395	43.35	nq/ul	99
65) 4-Bromophenyl-phenylether	16.44	248	395439	42.34	nq/ul	91
66) Hexachlorobenzene	16.55	284	434633	41.83	nq/ul	94
67) Atrazine	16.71	200	389045	38.30	nq/ul	93
68) Pentachlorophenol	16.90	266	261998	38.38	nq/ul	99
69) Phenanthrene	17.29	178	1931282m)	40.14	nq/ul	100
71) Anthracene	17.39	178	2011833	41.00	nq/ul	99
72) 1,2,3,4-Tetrachlorobenzene	13.30	216	502840	49.50	nq/uL	99
73) Pentachlorobenzene	14.82	250	497917	45.65	nq/uL	99
74) Carbazole	17.66	167	1773265	38.71	nq/ul	99
75) Di-n-butylphthalate	18.20	149	2024304	38.35	nq/ul#	99
76) Fluoranthene	19.30	202	2293999	37.82	nq/ul	99
79) Pvrene	19.67	202	2431687	43.07	nq/ul	99
80) Butylbenzylphthalate	20.56	149	930796	41.02	nq/ul#	79
81) 3,3'-Dichlorobenzidine	21.34	252	884306	42.96	nq/ul	98
82) Benzo(a)anthracene	21.41	228	2514517	40.48	nq/ul	99
83) Bis(2-ethylhexyl)phthalate	21.32	149	1345679	38.10	nq/ul#	98
84) Chrysene	21.46	228	2356742	40.23	nq/ul	99
86) Di-n-octyl phthalate	22.22	149	2370243	43.81	nq/ul#	86
87) Benzo(b)fluoranthene	23.04	252	2452645	41.25	nq/ul#	98
88) Benzo(k)fluoranthene	23.09	252	2430867m)	42.77	nq/ul	97
90) Benzo(a)pyrene	23.65	252	2401988	41.56	nq/ul#	97
91) Indeno(1,2,3-cd)pyrene	26.13	276	2724656	39.30	nq/ul#	92
92) Dibenzo(a,h)anthracene	26.13	278	2319918	39.56	nq/ul#	92
93) Benzo(a,h,i)perylene	26.86	276	2224309	38.76	nq/ul#	92

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

Quantitation Report (Qedit)

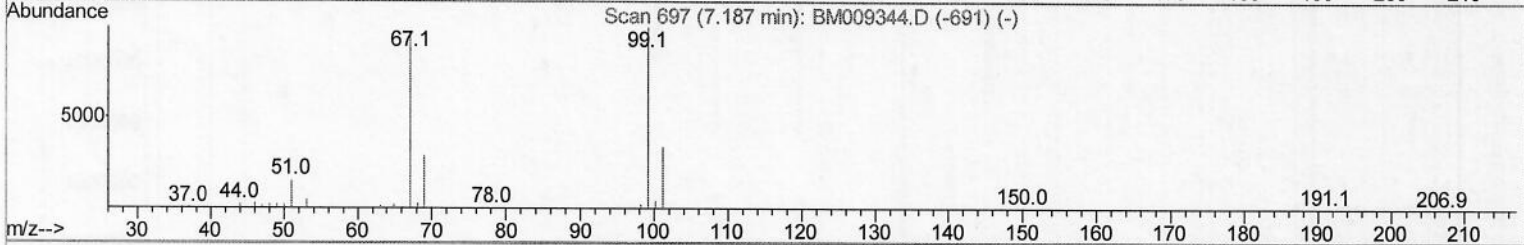
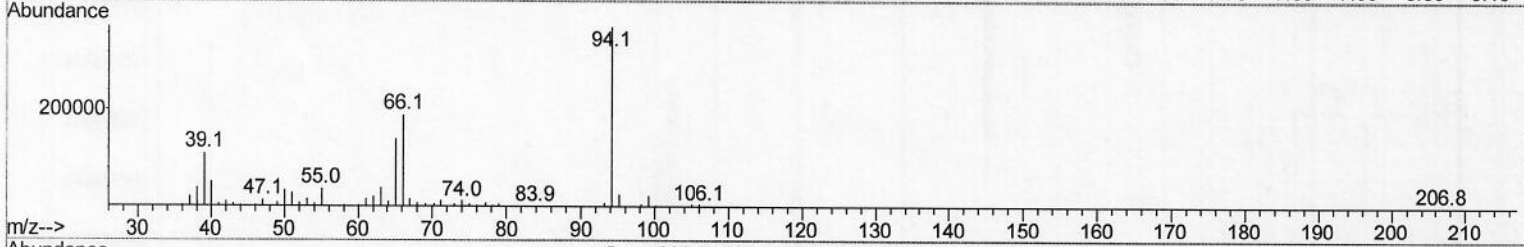
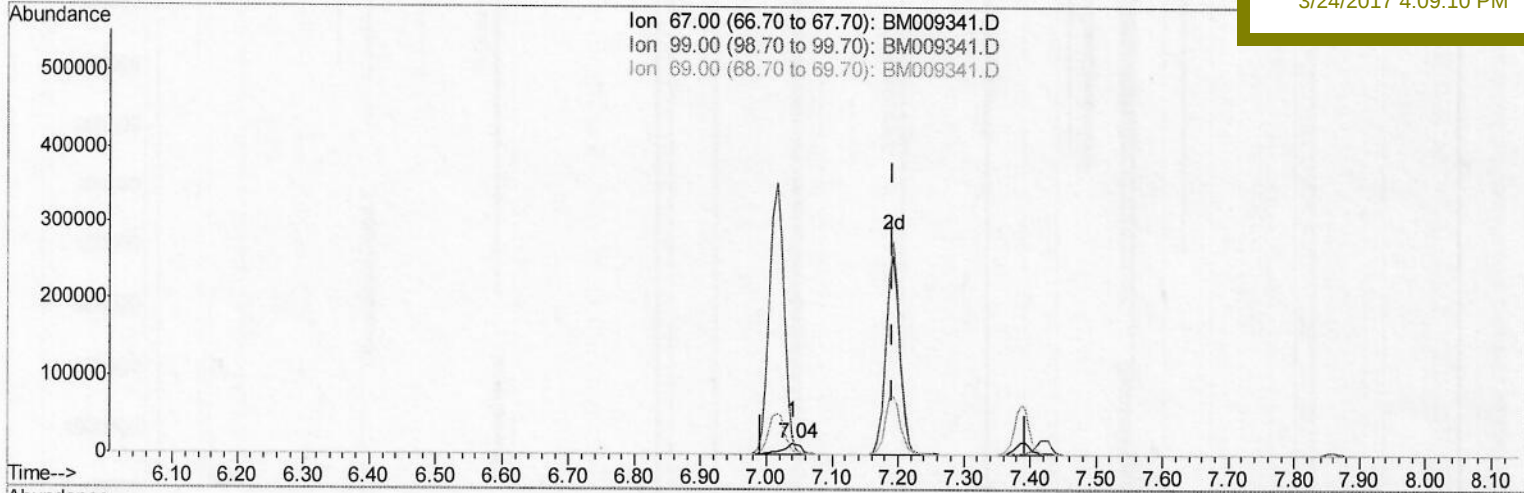
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Manual Integrations
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TIC: BM009341.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.040min (-0.153) 2.35ng/ul

response 25718

Ion	Exp%	Act%
67.00	100	100
99.00	135.60	155.32
69.00	32.50	28.91
0.00	0.00	0.00

Quantitation Report (Qedit)

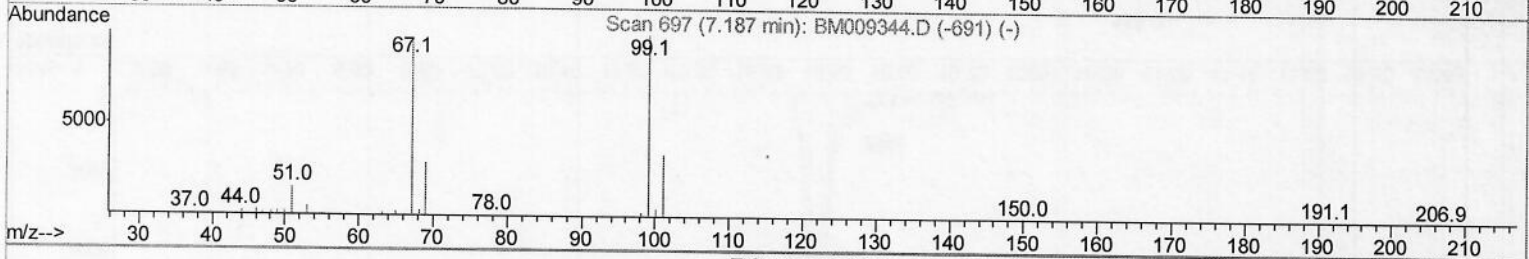
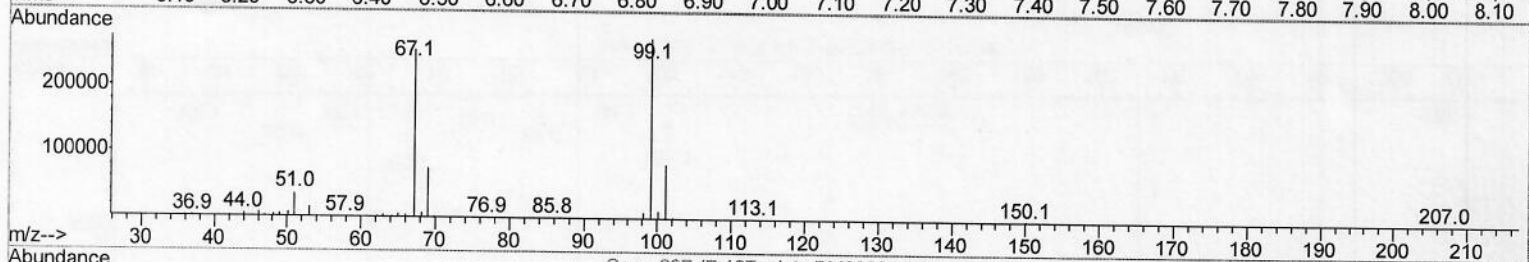
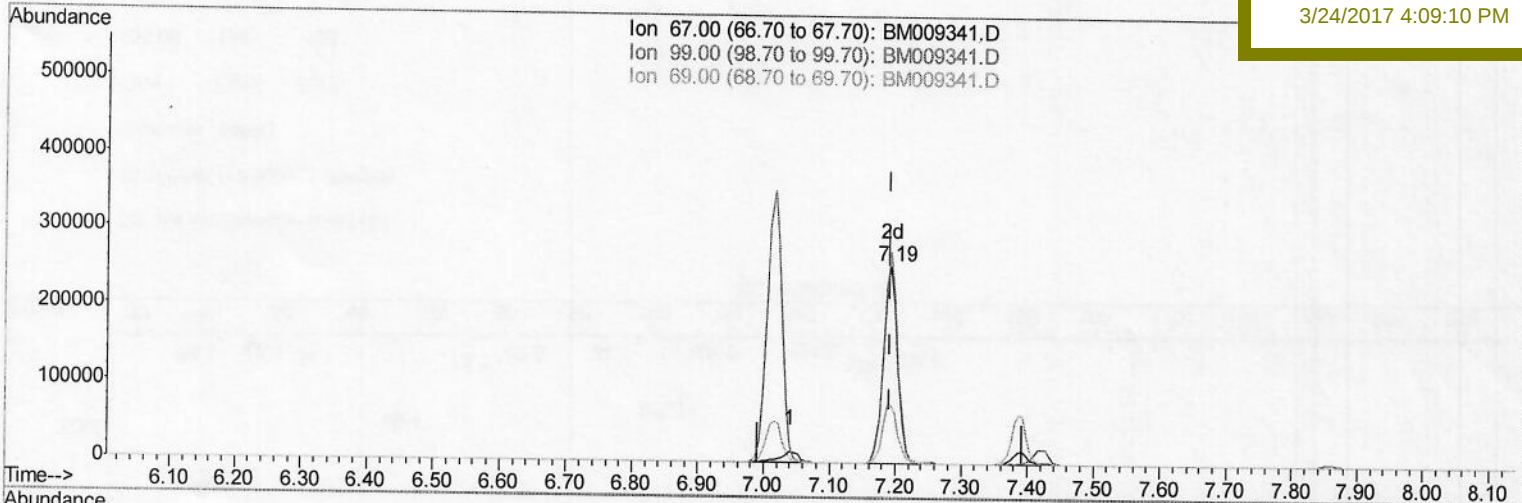
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(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.193min (+0.000) 35.69ng/ul m

response 391250

Ion	Exp%	Act%
67.00	100	100
99.00	135.60	107.51#
69.00	32.50	29.34
0.00	0.00	0.00

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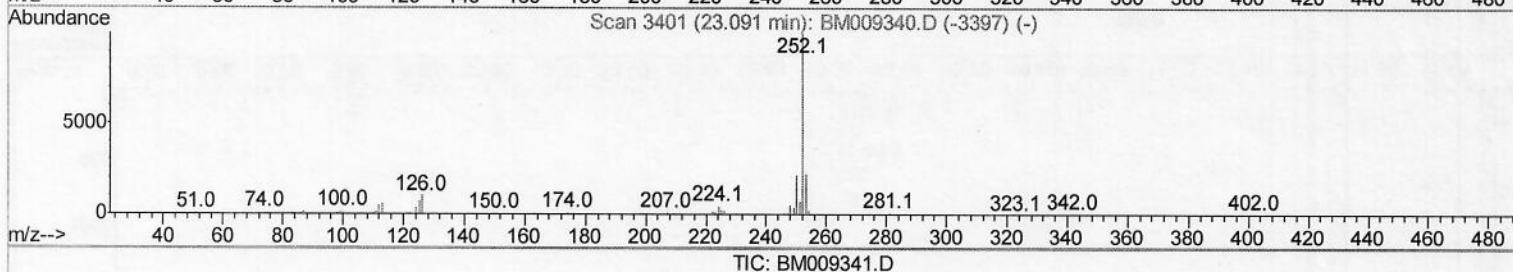
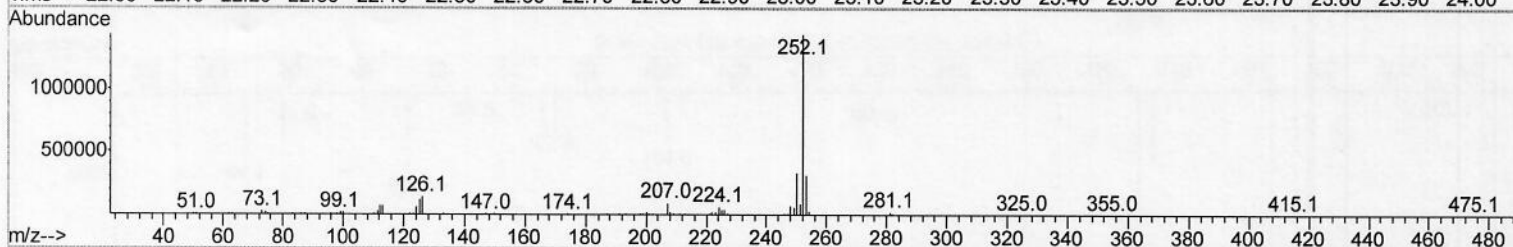
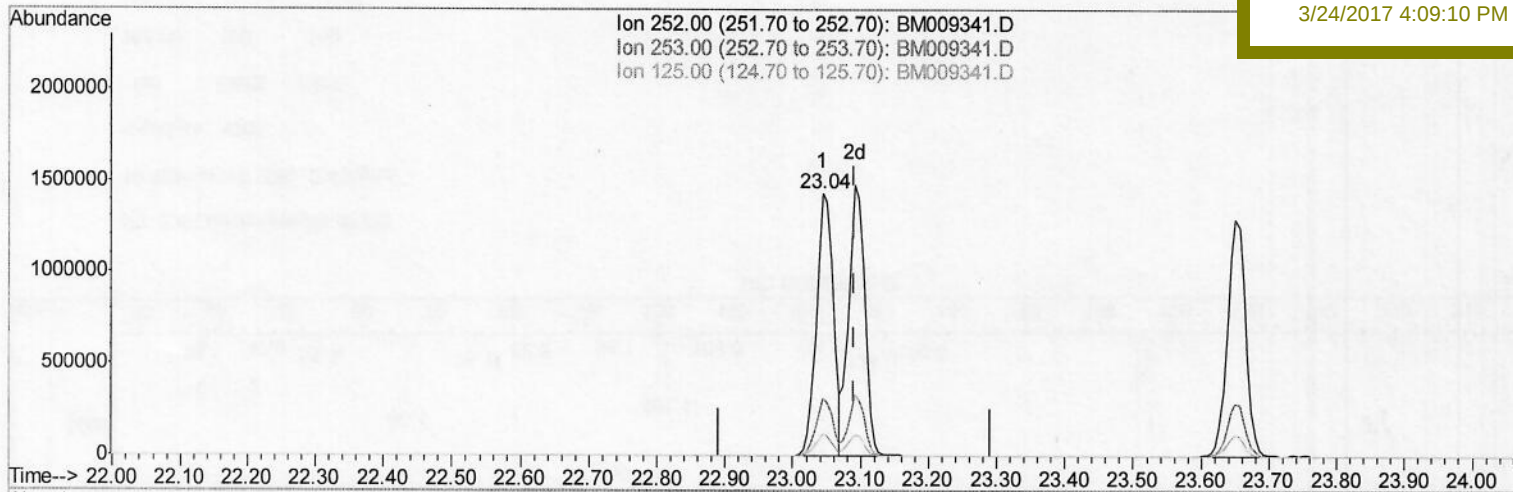
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(88) Benzo(k)fluoranthene

23.044min (-0.047) 43.15ng/ul

response 2452645

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.66
125.00	10.20	8.44
0.00	0.00	0.00

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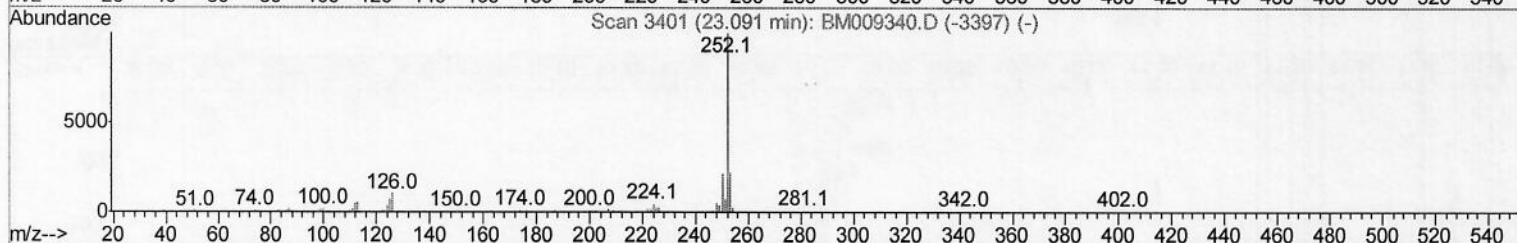
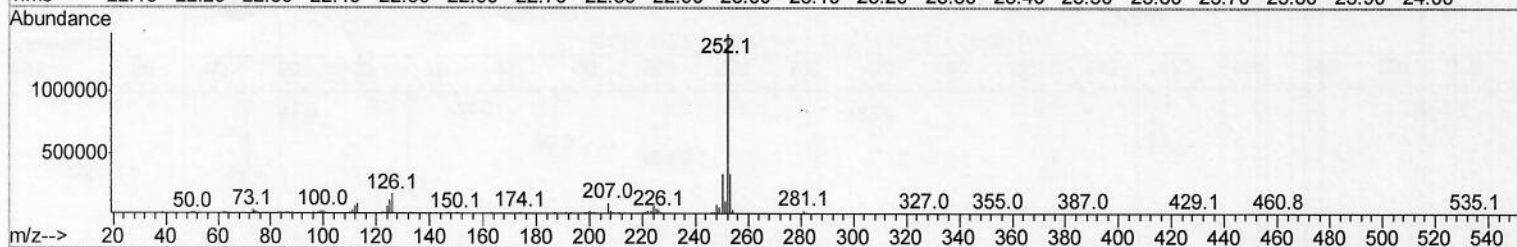
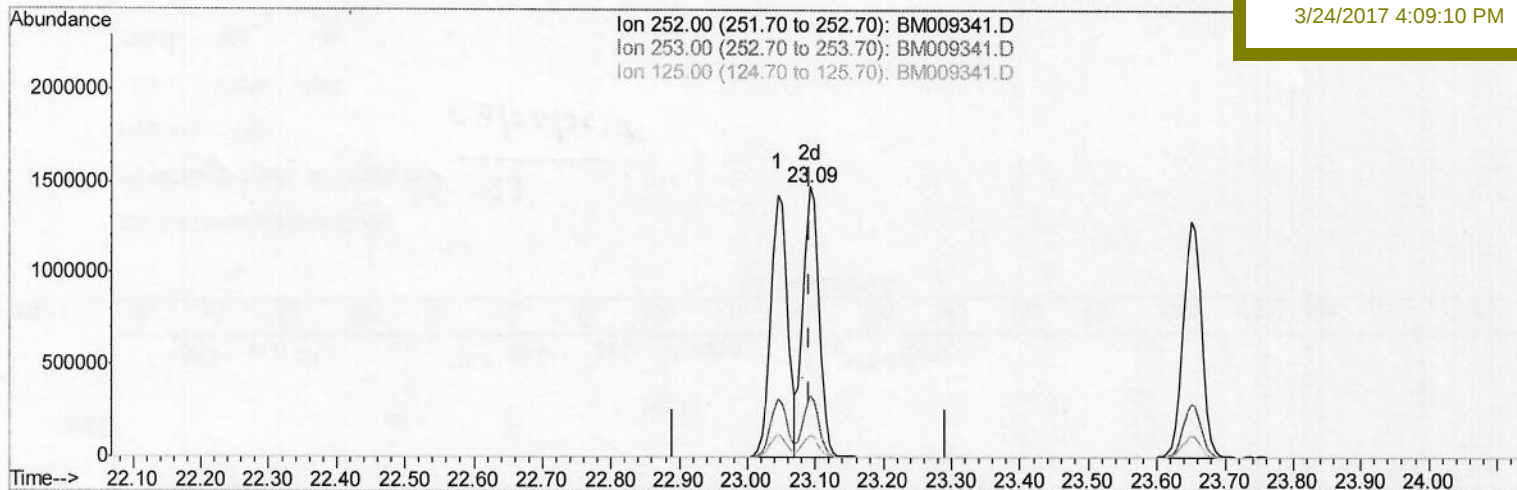
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TIC: BM009341.D

(88) Benzo(k)fluoranthene

23.092min (+0.000) 42.77ng/ul m

response 2430867

Ion Exp% Act%

252.00 100 100

253.00 21.60 22.17

125.00 10.20 7.79#

0.00 0.00 0.00

55
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Quantitation Report (Qedit)

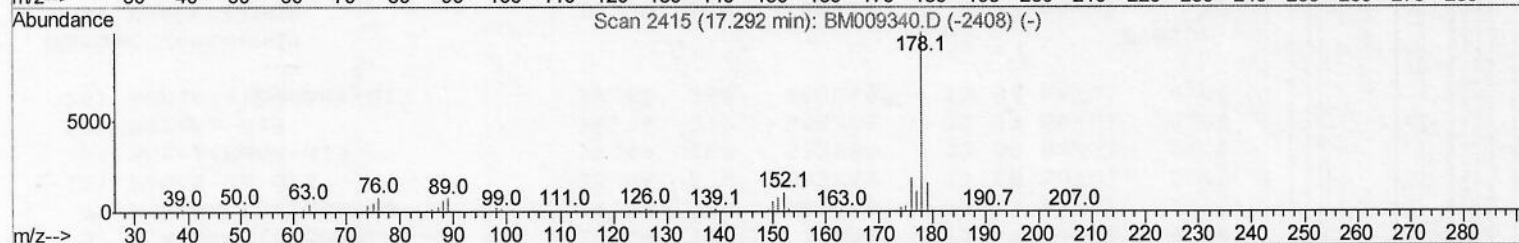
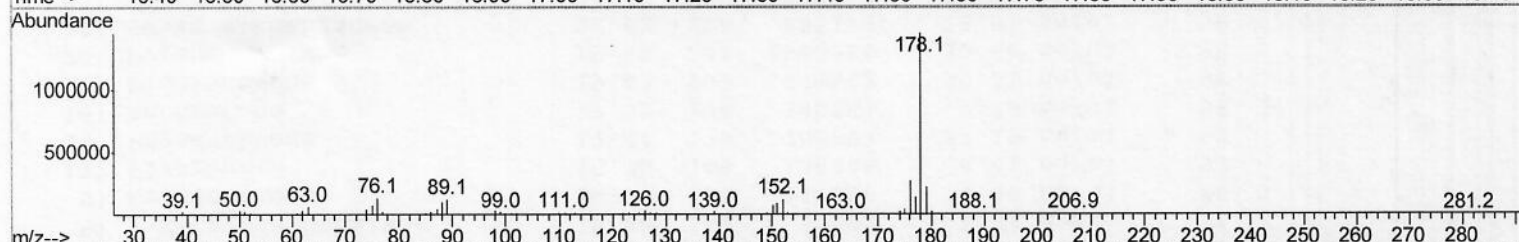
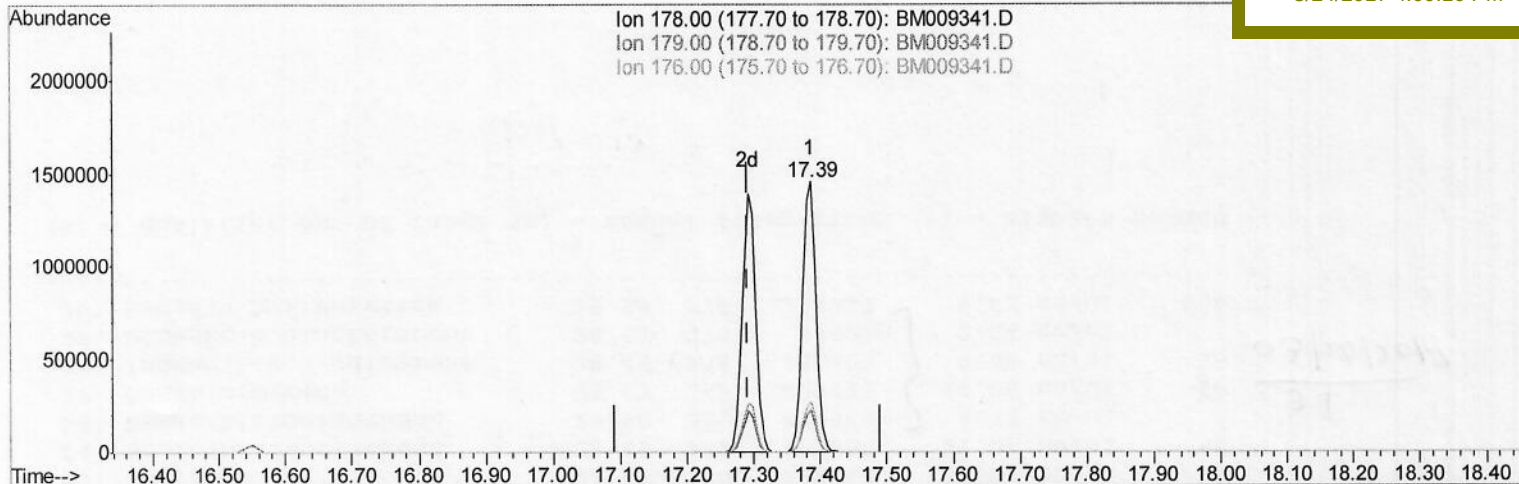
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TIC: BM009341.D

(69) Phenanthrene

17.386min (+0.094) 41.81ng/ul

response 2011833

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.14
176.00	19.50	18.21
0.00	0.00	0.00

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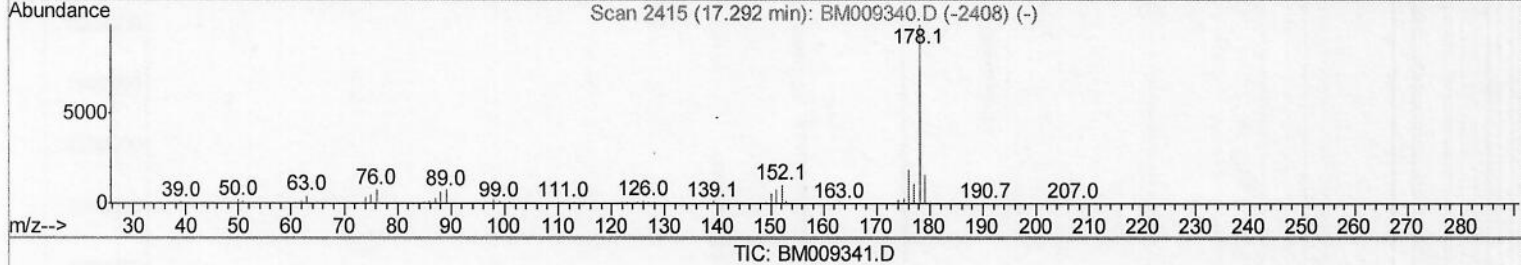
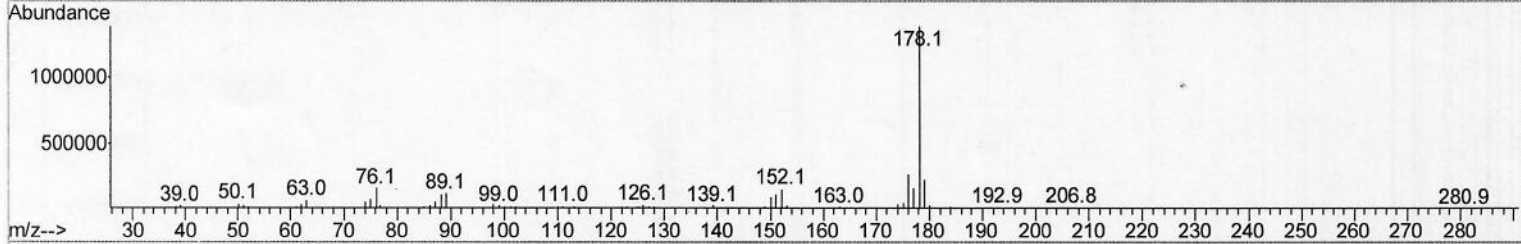
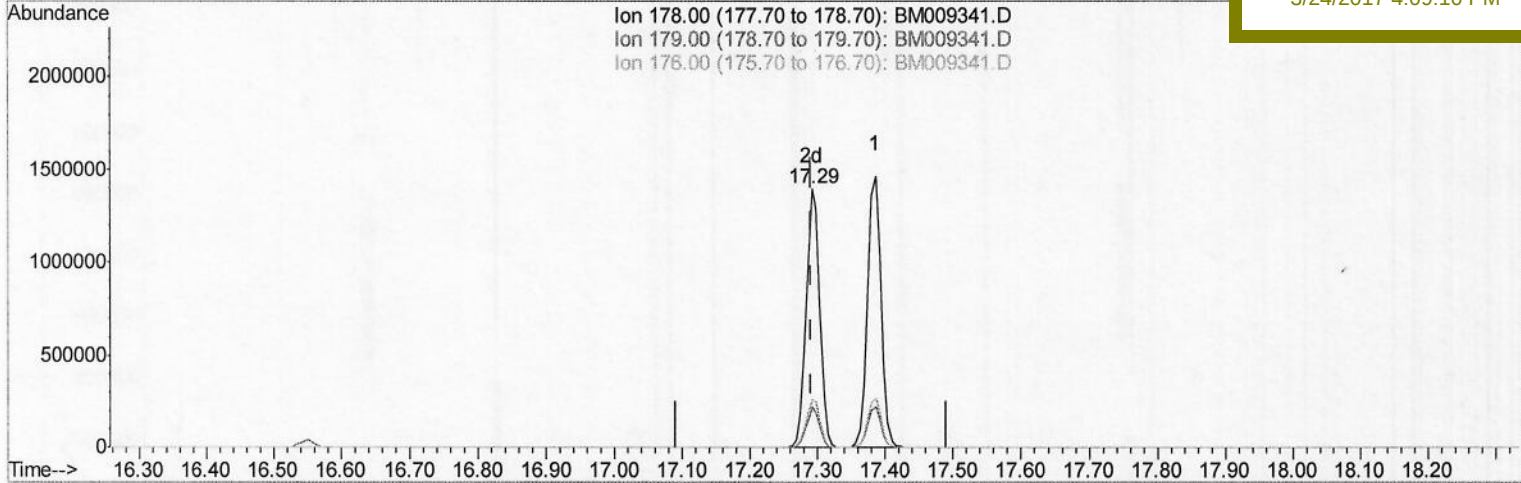
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(69) Phenanthrene

17.292min (+0.000) 40.14ng/ul m

response 1931282

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.52
176.00	19.50	18.77
0.00	0.00	0.00

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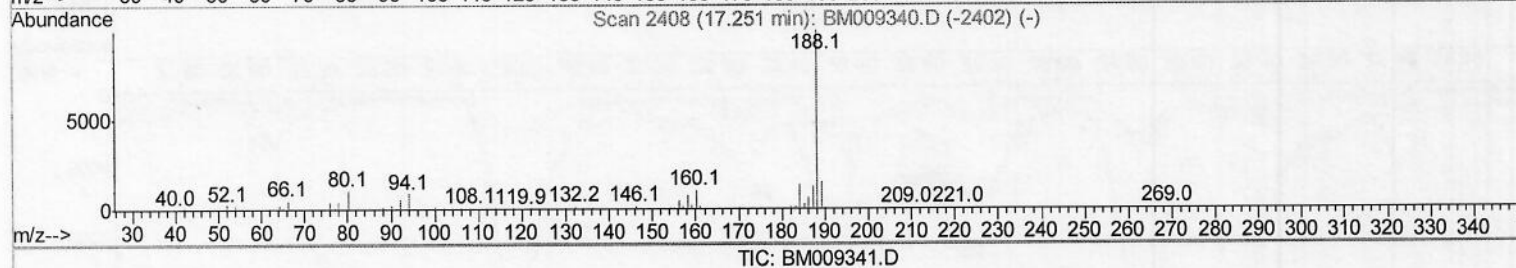
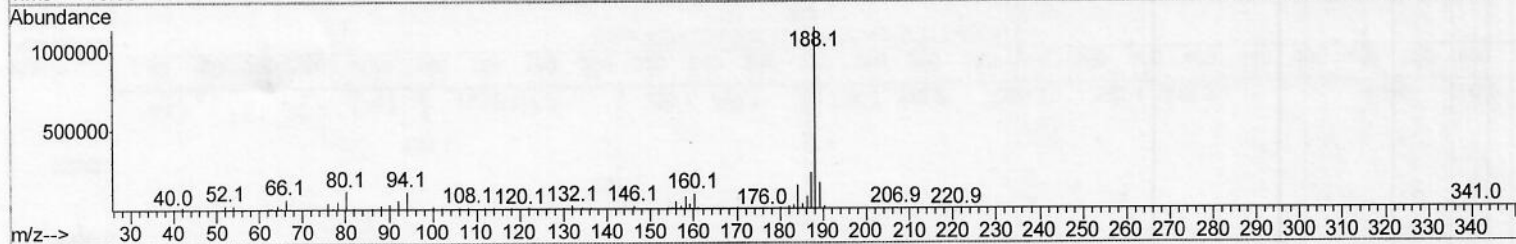
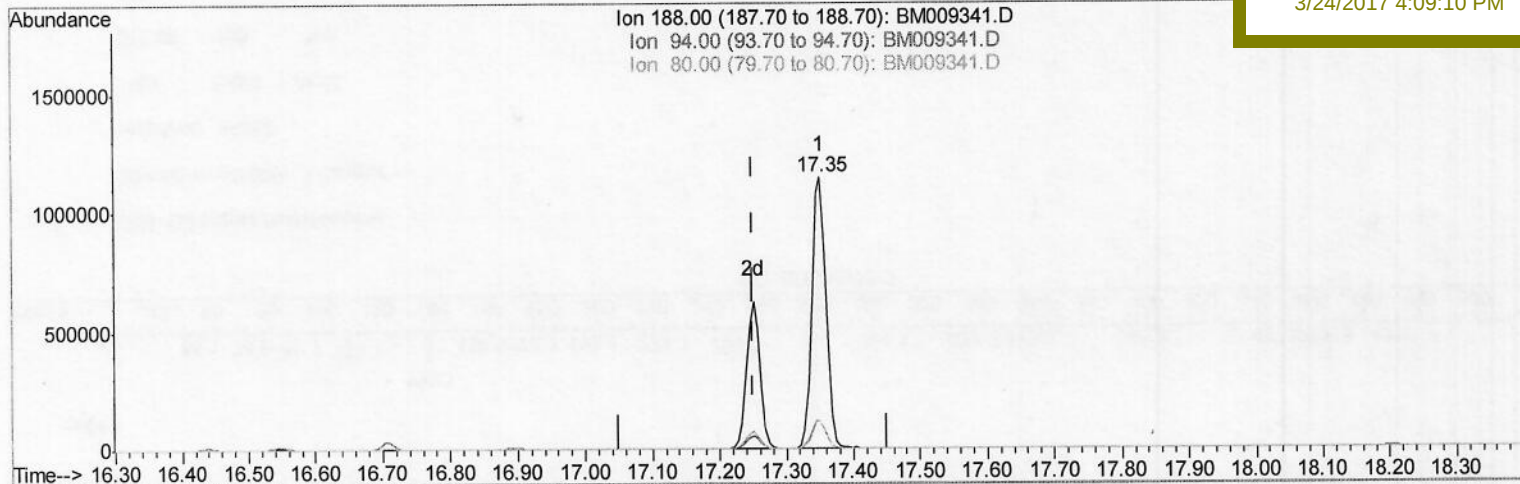
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(61) Phenanthrene-d10 (I)

17.351min (+0.100) 20.00ng/ul

response 1660221

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	9.89
80.00	9.70	10.14
0.00	0.00	0.00

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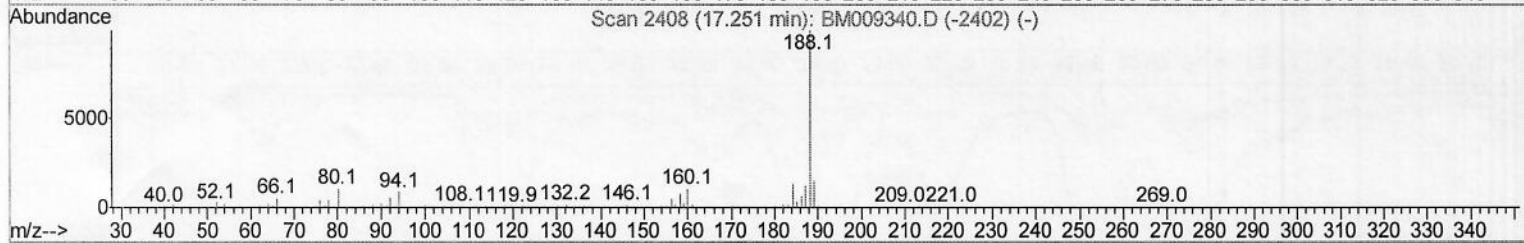
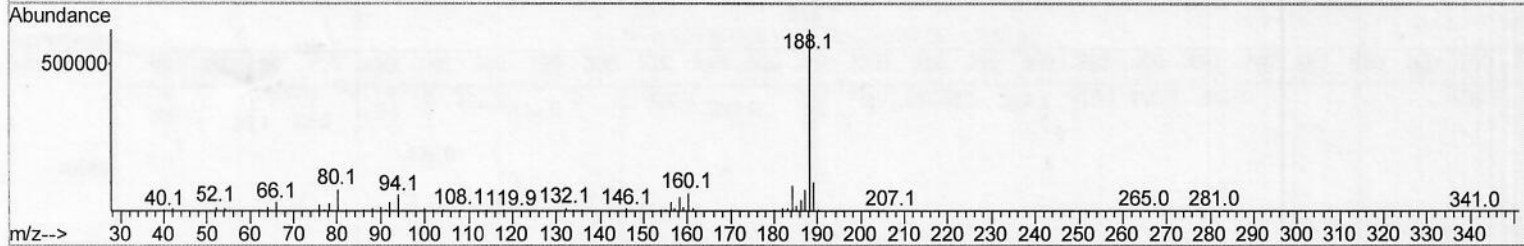
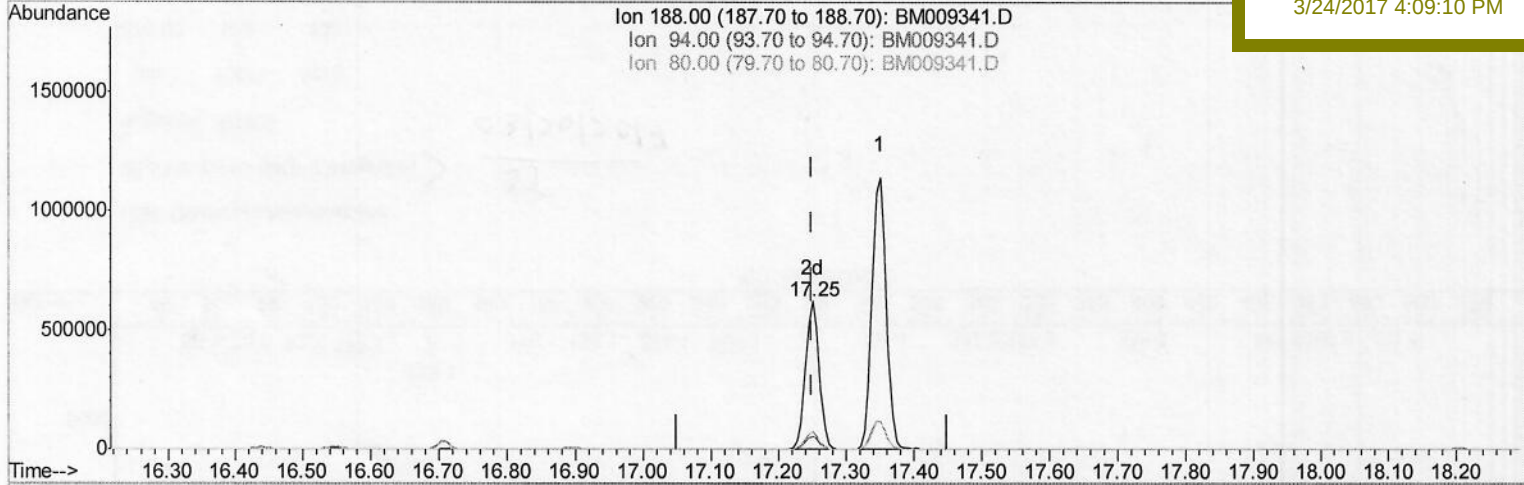
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032317\
 Data File : BM009341.D
 Acq On : 23 Mar 2017 13:38
 Operator : SJ/MA
 Sample : SSTD04054
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 23 14:33:57 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 23 14:28:17 2017
 Response via : Initial Calibration

Instrument :
 BNA_M
ClientSampleId :
 SSTD04054

Manual Integrations
APPROVED

mohammad
 3/24/2017 4:09:10 PM



TIC: BM009341.D

(61) Phenanthrene-d10 (I)

17.251min (+0.000) 20.00ng/ul m

response 864610

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	8.71
80.00	9.70	11.88#
0.00	0.00	0.00

SJ
 03/27/2017

Quantitation Report (Qedit)

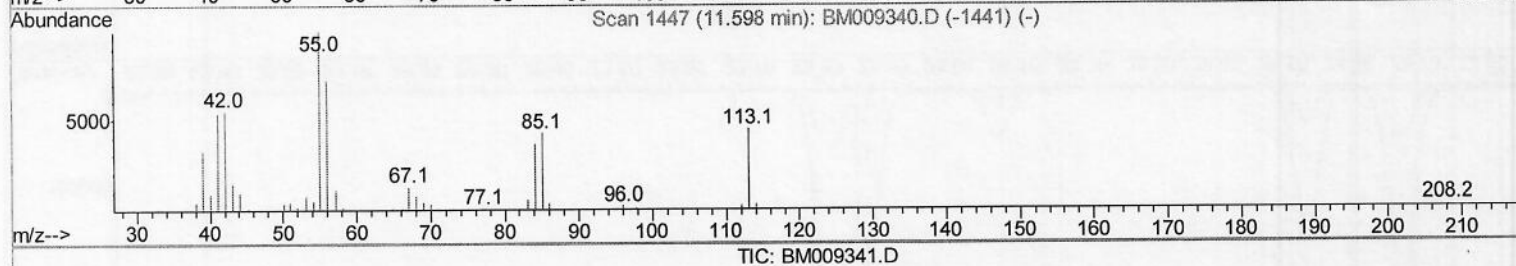
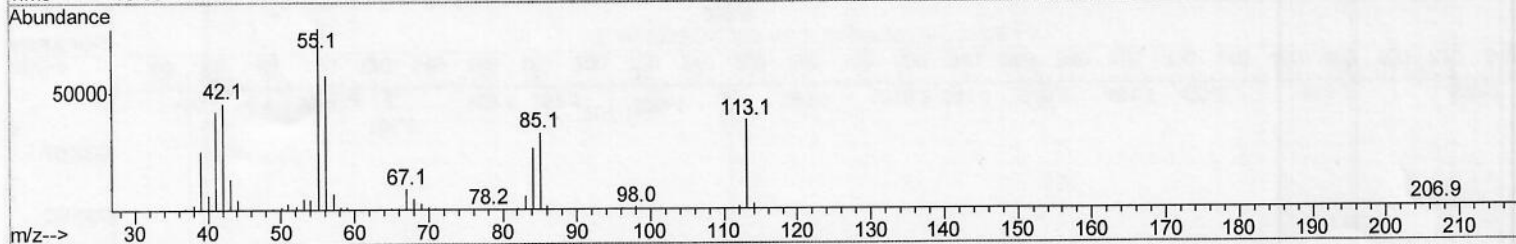
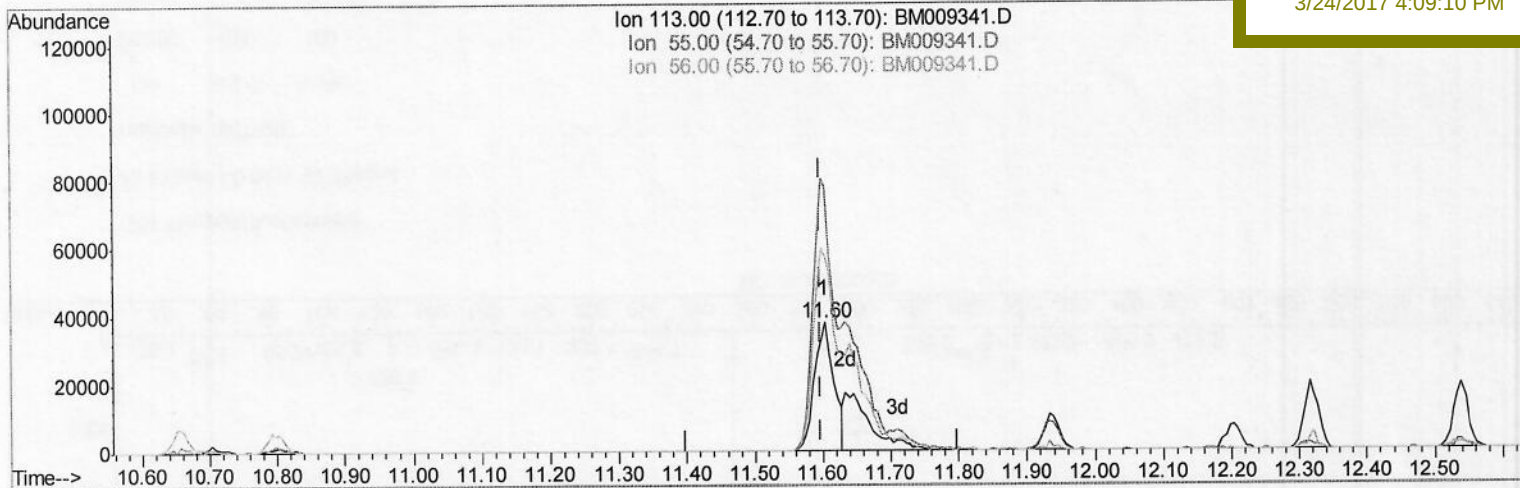
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032317\
 Data File : BM009341.D
 Acq On : 23 Mar 2017 13:38
 Operator : SJ/MA
 Sample : SSTD04054
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 SSTD04054

Manual Integrations
APPROVED

mohammad
 3/24/2017 4:09:10 PM

Quant Time: Mar 23 14:33:57 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 23 14:28:17 2017
 Response via : Initial Calibration



(32) Caprolactam

11.604min (+0.006) 16.93ng/ul

response 75019

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	205.44#
56.00	101.50	151.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

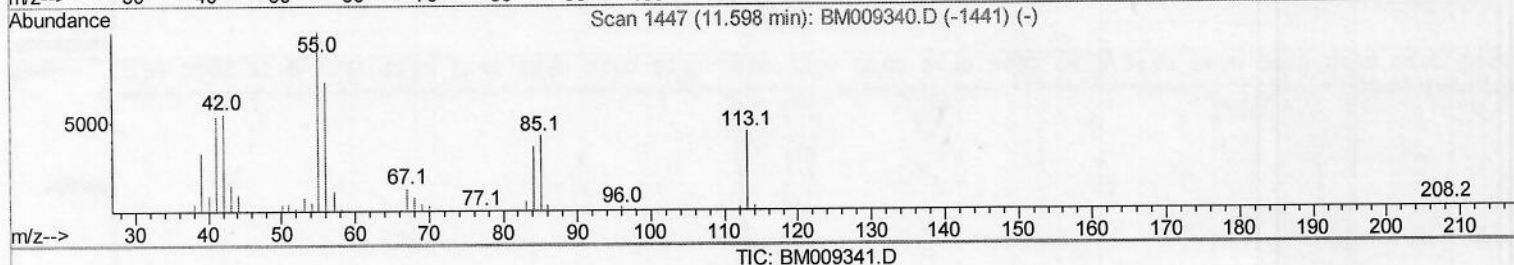
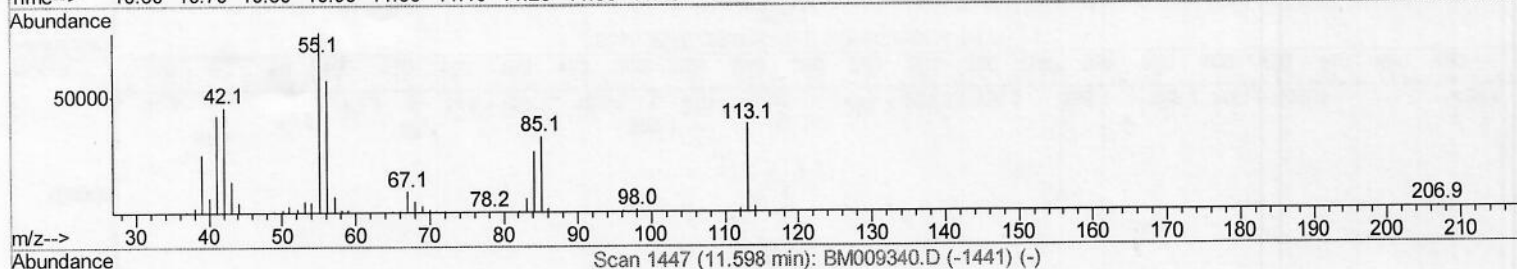
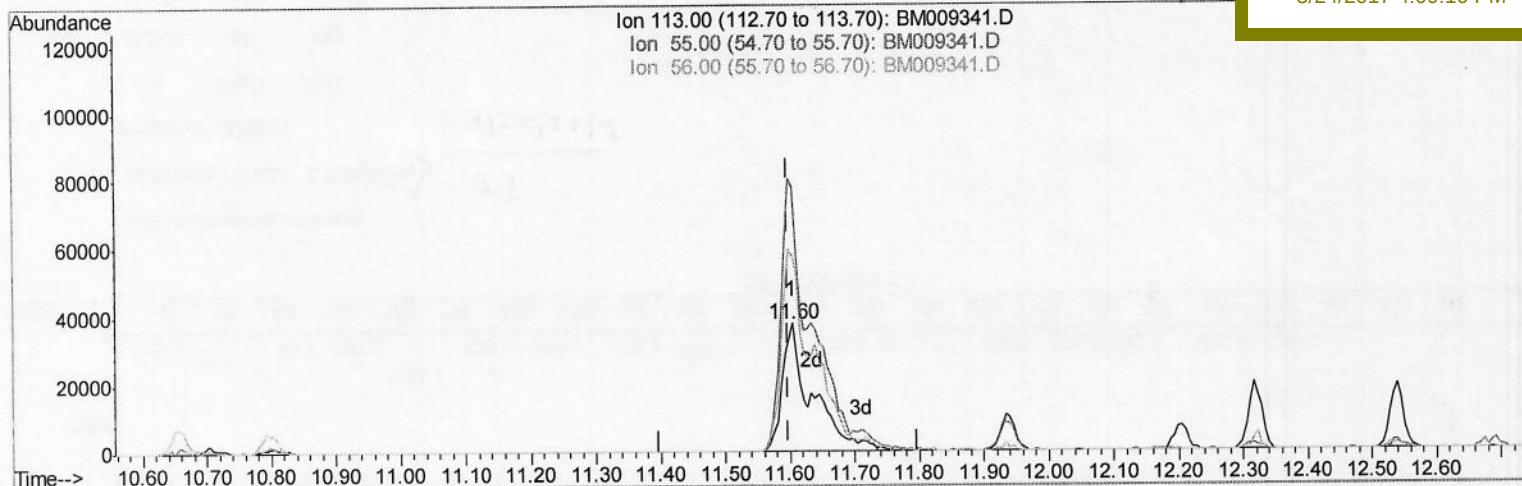
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032317\
Data File : BM009341.D
Acq On : 23 Mar 2017 13:38
Operator : SJ/MA
Sample : SSTD04054
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 23 14:33:57 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 23 14:28:17 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04054

Manual Integrations
APPROVED

mohammad
3/24/2017 4:09:10 PM



(32) Caprolactam

11.604min (+0.006) 27.00ng/ul m)

response 119627

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	205.44#
56.00	101.50	151.27#
0.00	0.00	0.00

SJ
03/27/2017