

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (QT Reviewed)

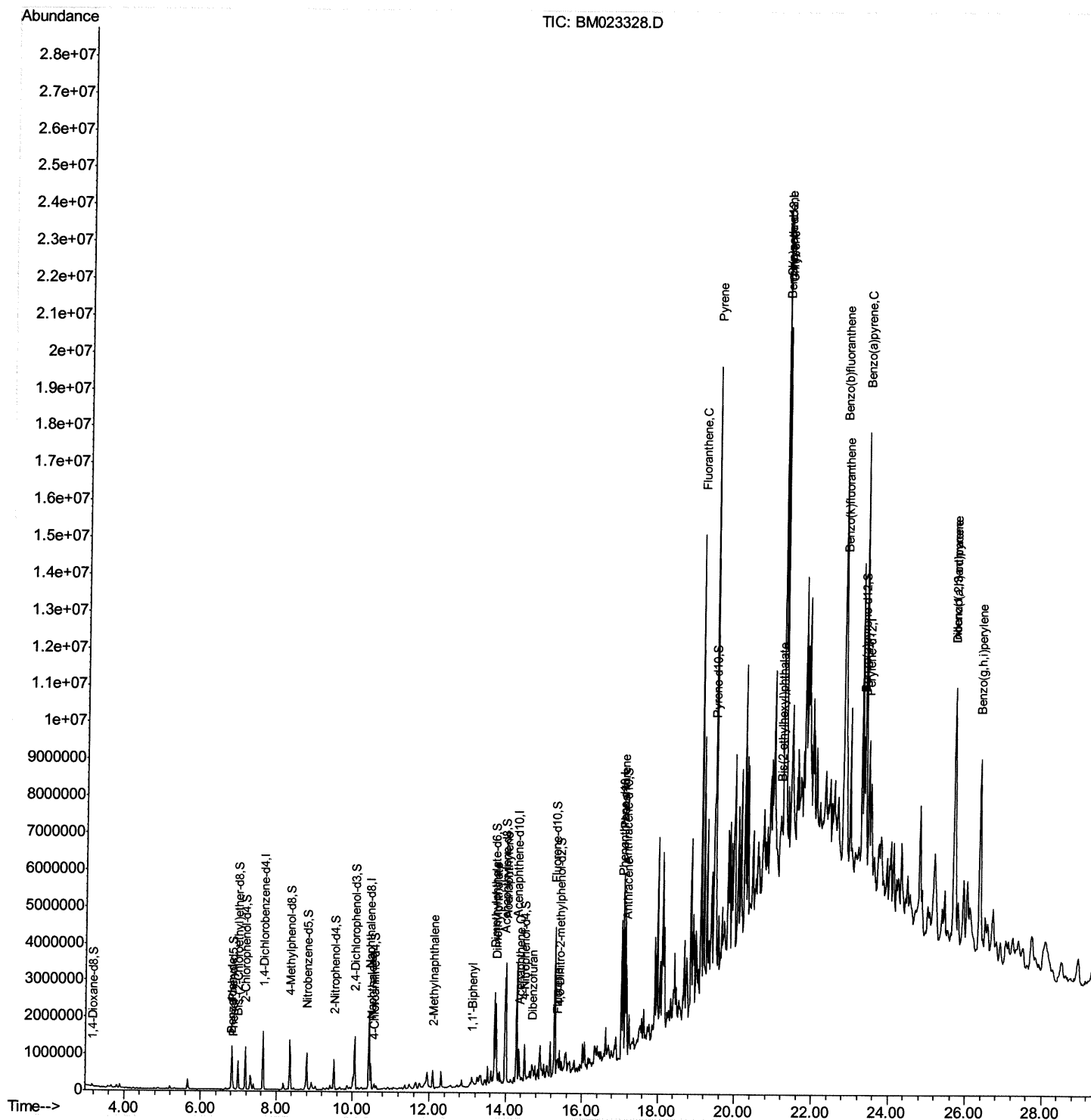
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:49:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

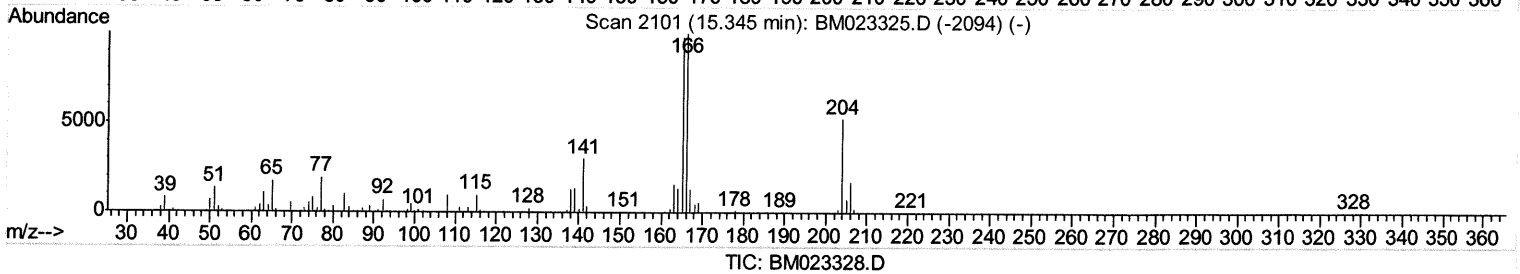
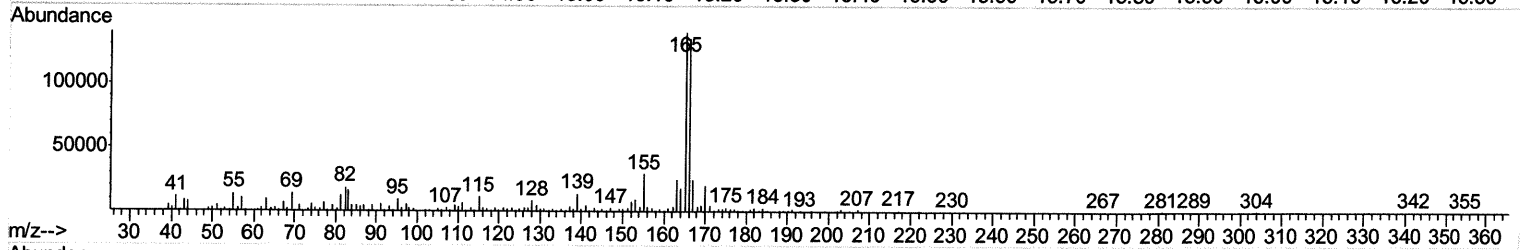
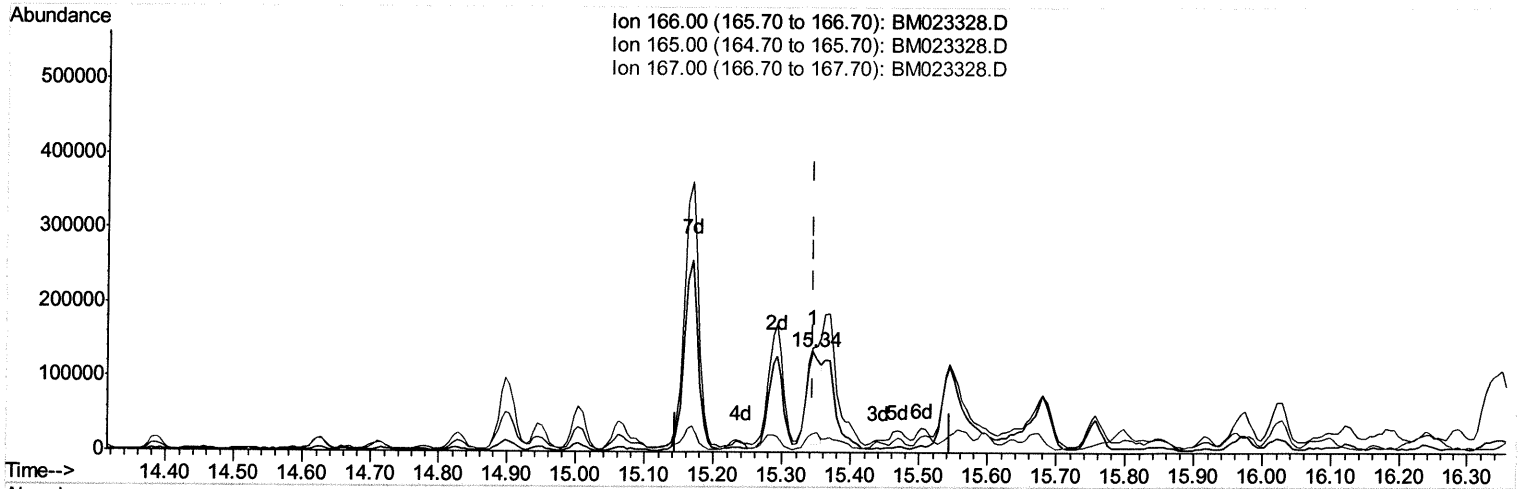
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 01:42:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(59) Fluorene

15.345min (-0.000) 2.30ng/ul

response 183729

Ion	Exp%	Act%
166.00	100	100
165.00	97.90	103.61
167.00	13.40	18.48#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

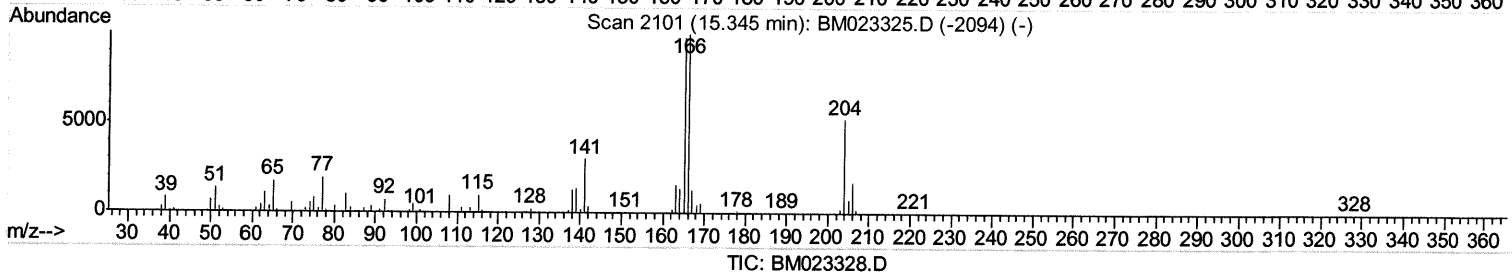
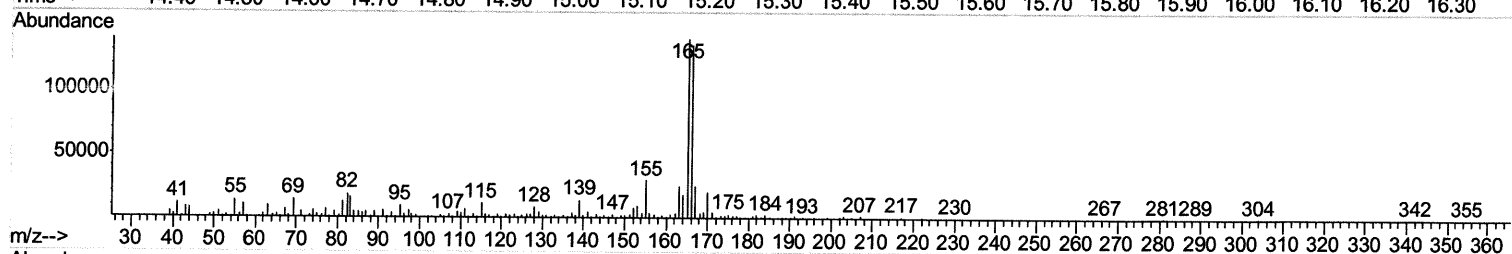
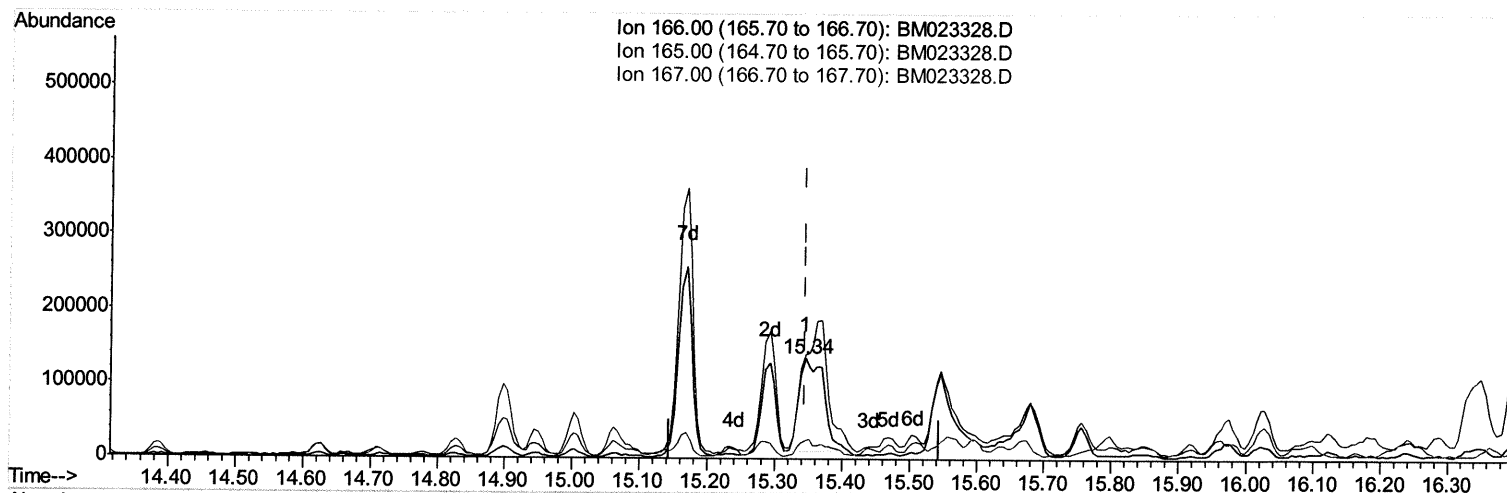
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 01:42:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(59) Fluorene

15.345min (-0.000) 3.96ng/ul m *JU 10.23.19*

response 315688

Ion	Exp%	Act%
166.00	100	100
165.00	97.90	103.61
167.00	13.40	18.48#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

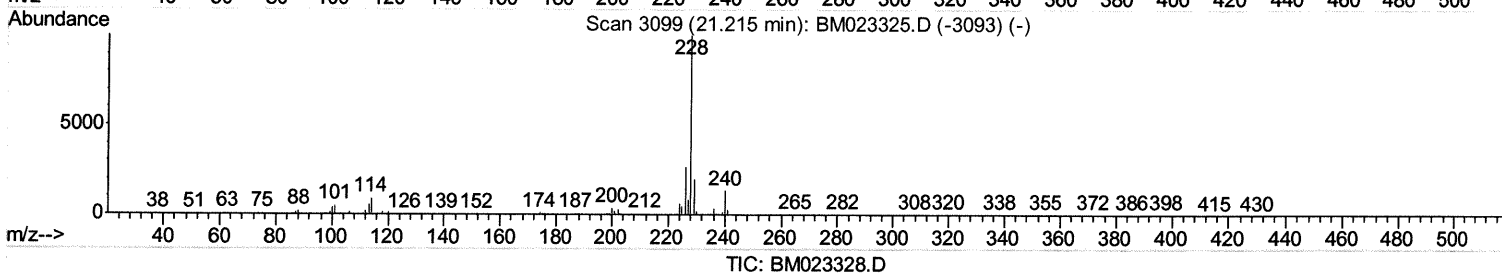
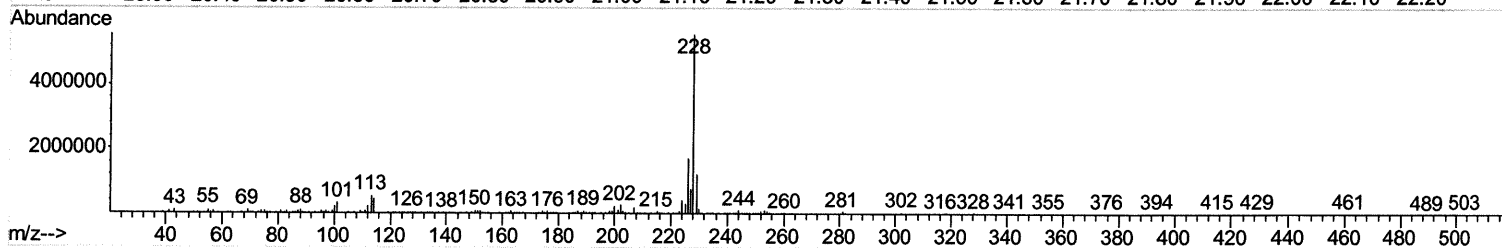
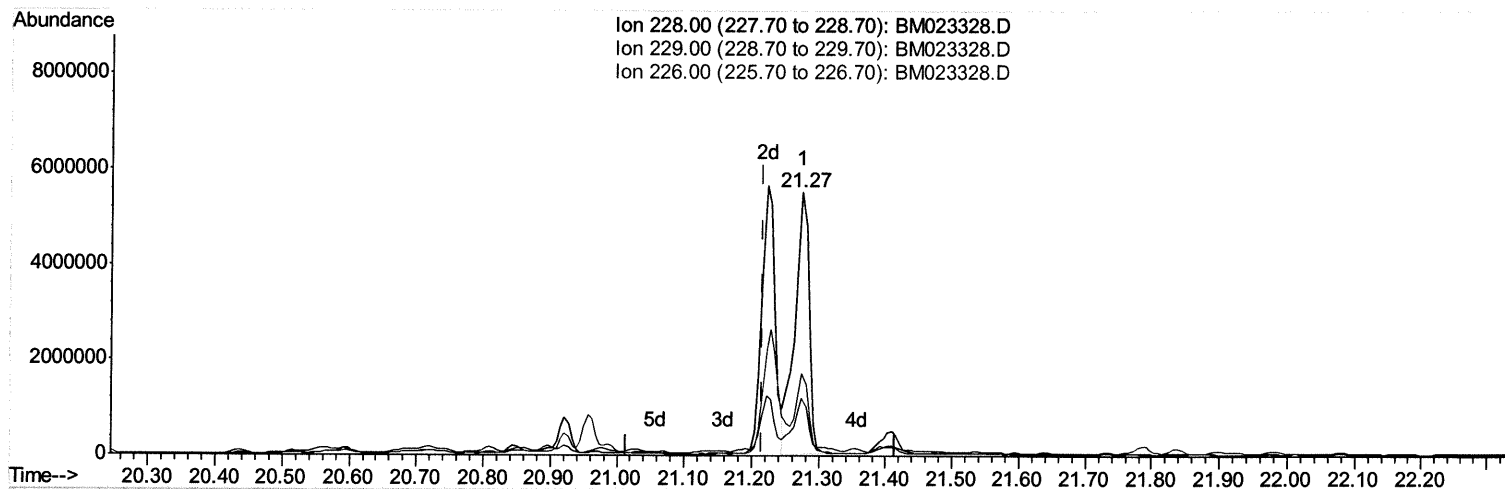
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
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Quant Time: Oct 23 01:42:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(83) Benzo(a)anthracene

21.274min (+0.059) 53.06ng/ul

response 8056890

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	21.92
226.00	26.90	31.02
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

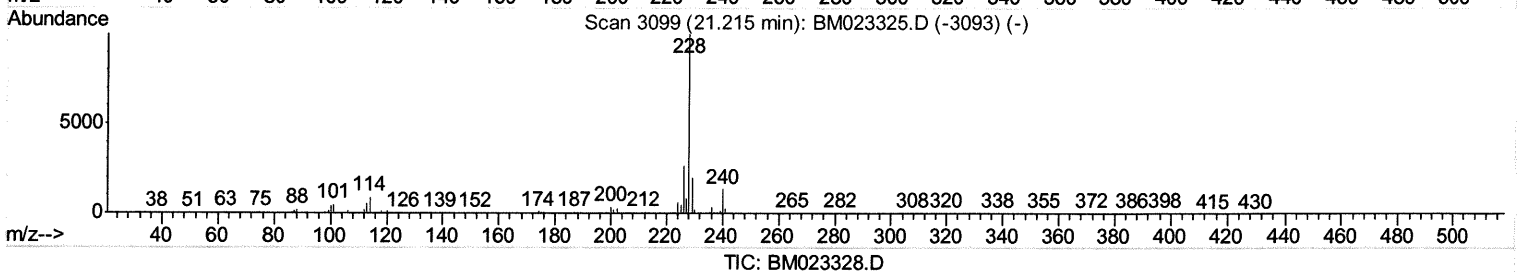
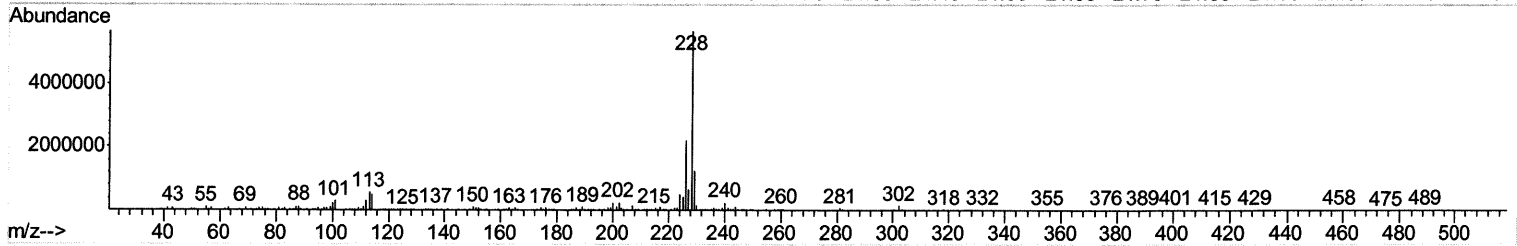
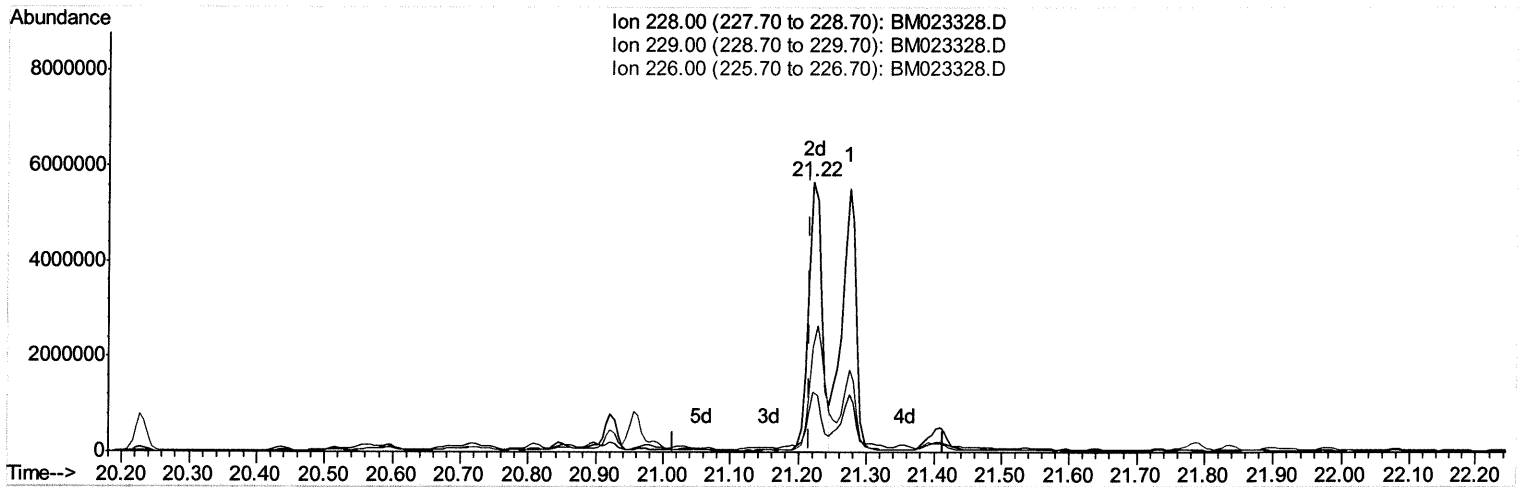
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 01:42:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(83) Benzo(a)anthracene

21.221min (+0.006) 51.51ng/ul m *31 10.23.19*

response 7820765

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	22.23
226.00	26.90	38.81#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

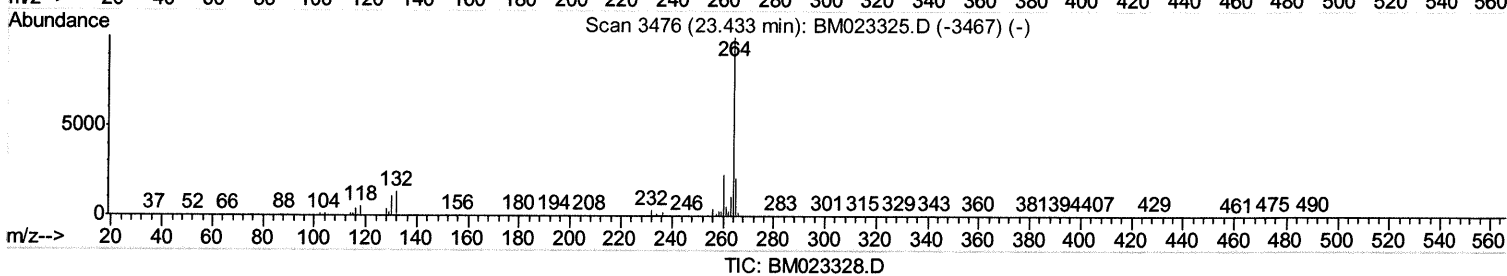
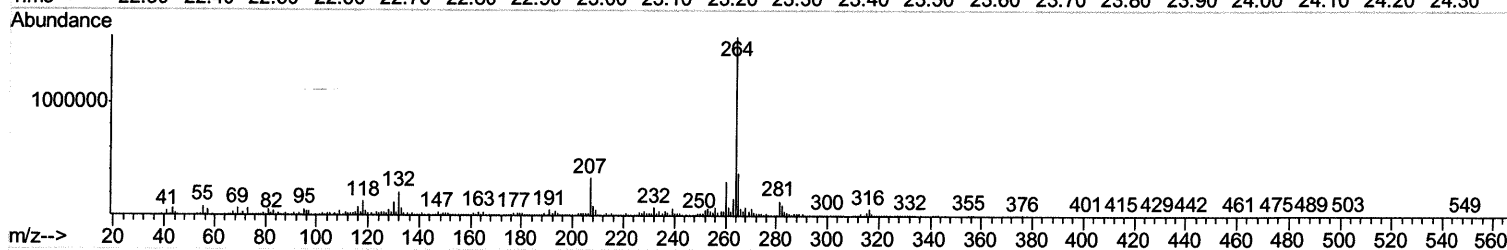
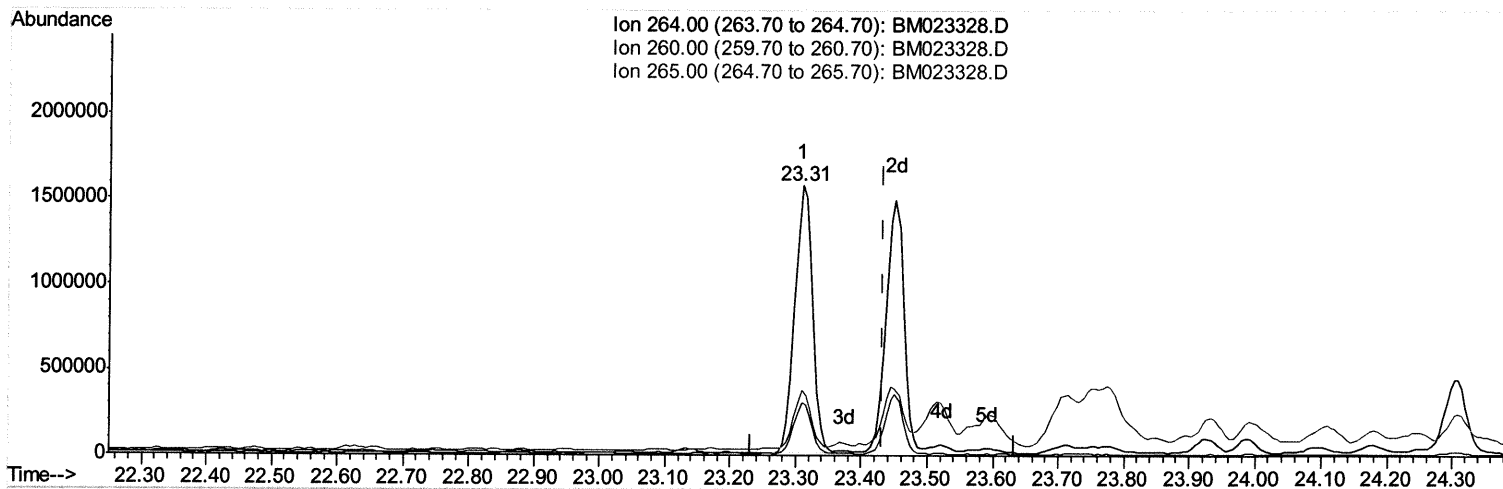
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 01:42:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(86) Perylene-d12 (I)

23.309min (-0.124) 20.00ng/ul

response 2956567

Ion	Exp%	Act%
264.00	100	100
260.00	23.20	19.51
265.00	21.60	24.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

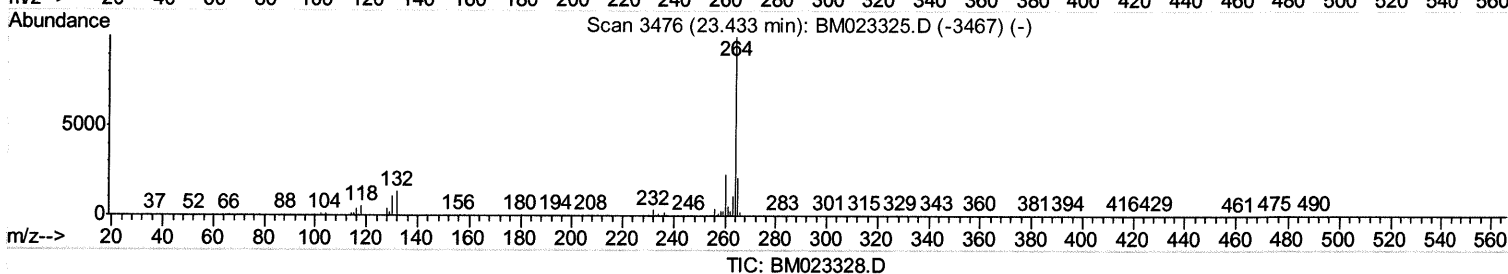
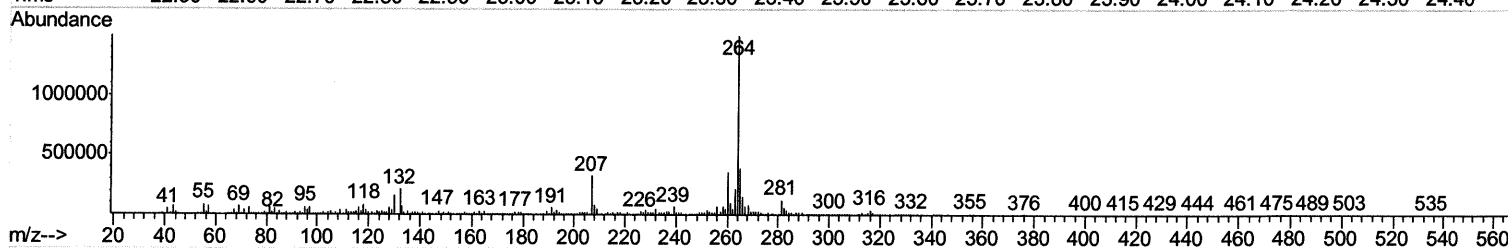
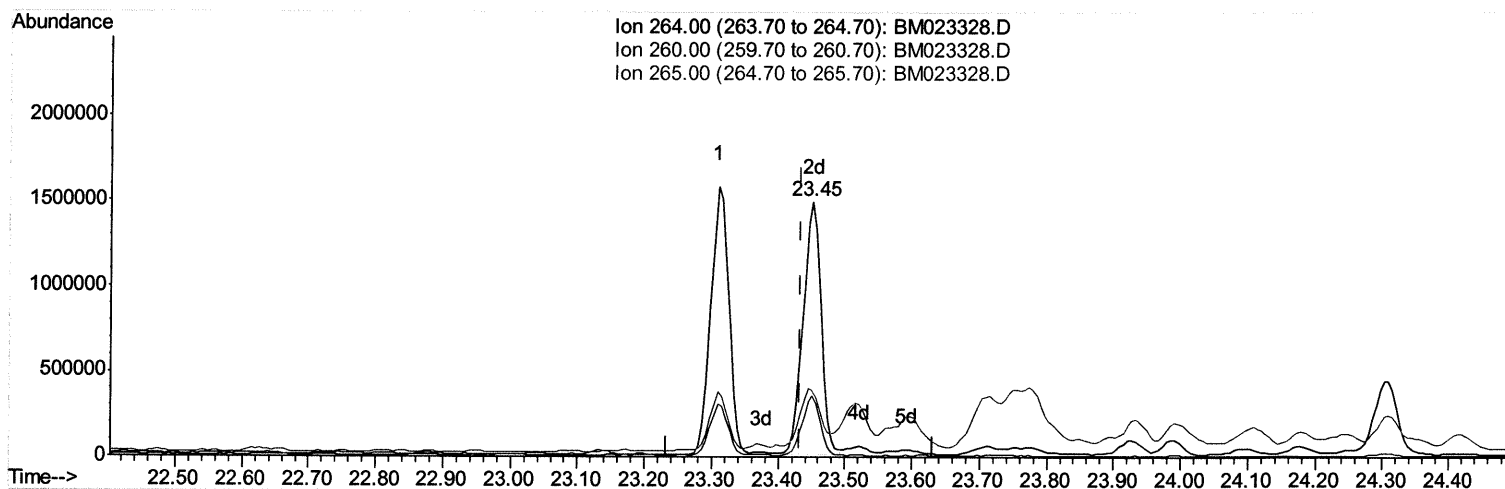
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 01:42:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(86) Perylene-d12 (I)

23.450min (+0.018) 20.00ng/ul m 34 10.23.19

response 2772418

Ion	Exp%	Act%
264.00	100	100
260.00	23.20	23.77
265.00	21.60	26.02#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

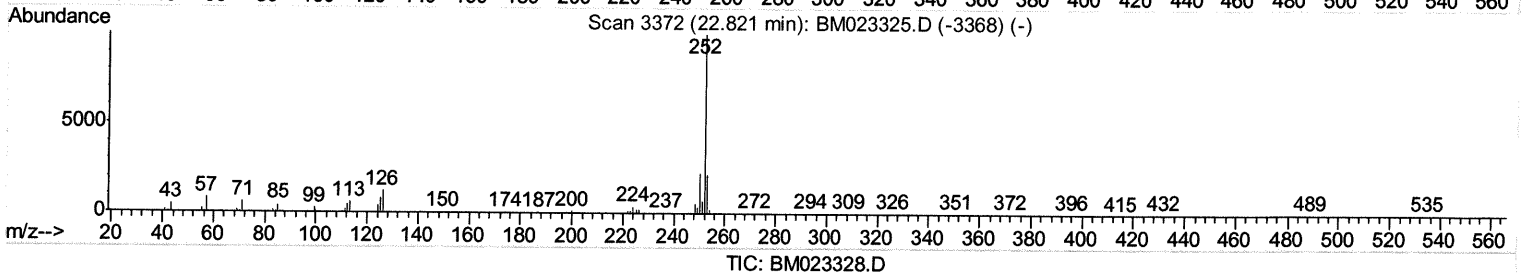
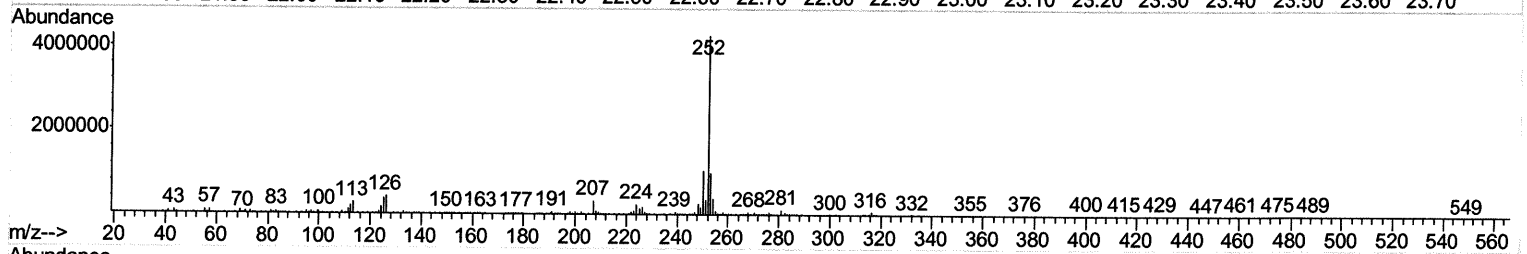
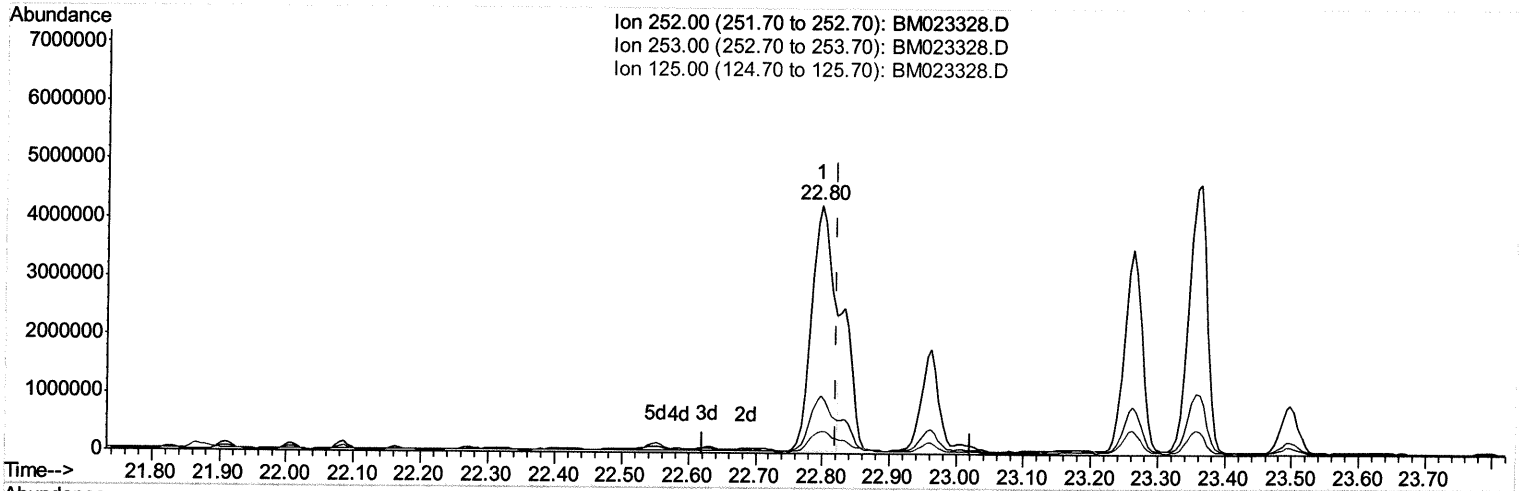
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:40:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.797min (-0.024) 58.98ng/ui

response 9519708

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.19
125.00	8.20	8.87
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

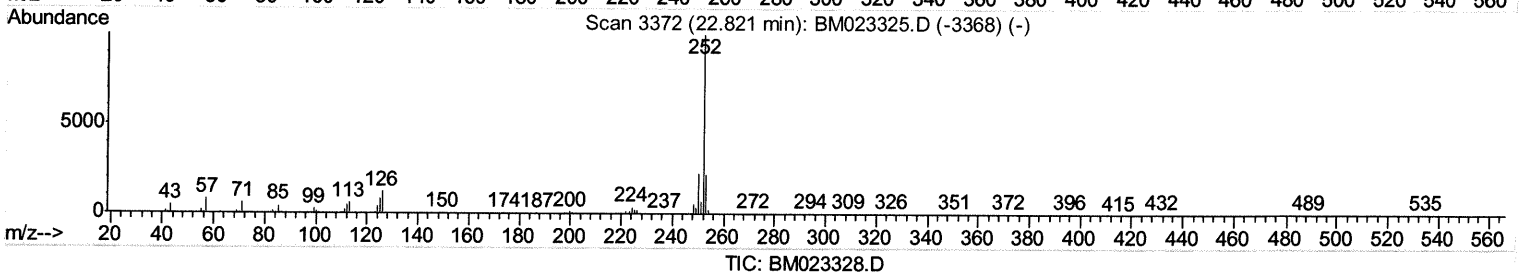
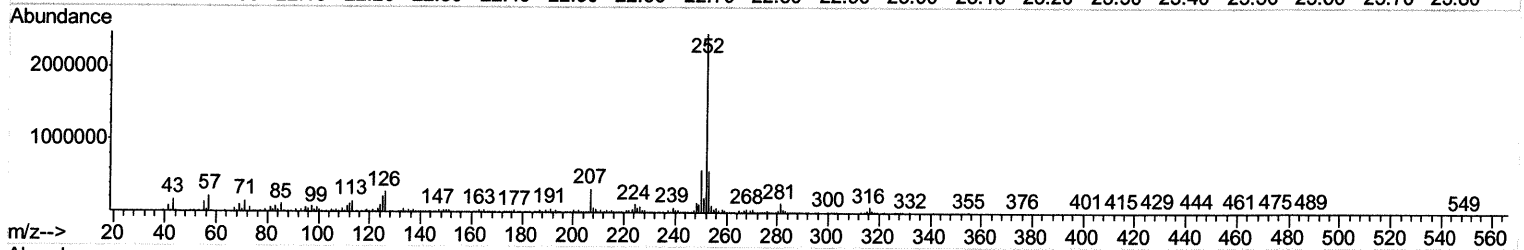
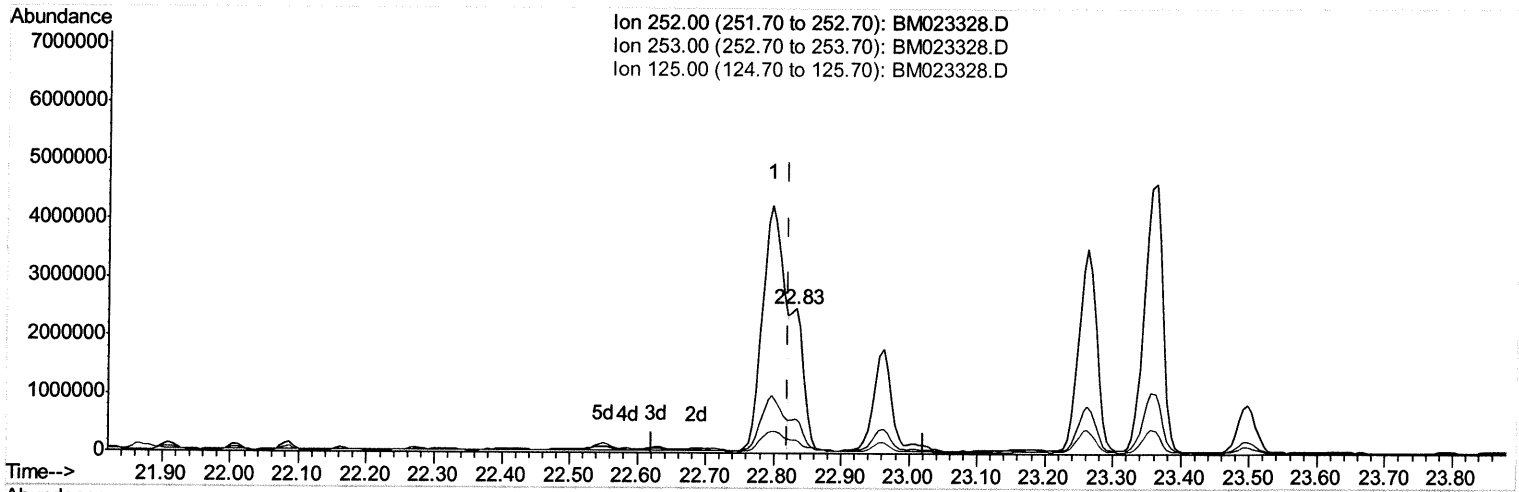
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:40:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.833min (+0.012) 20.51ng/ul m

response 3310098

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.38
125.00	8.20	9.00
0.00	0.00	0.00

JU 10.23.19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

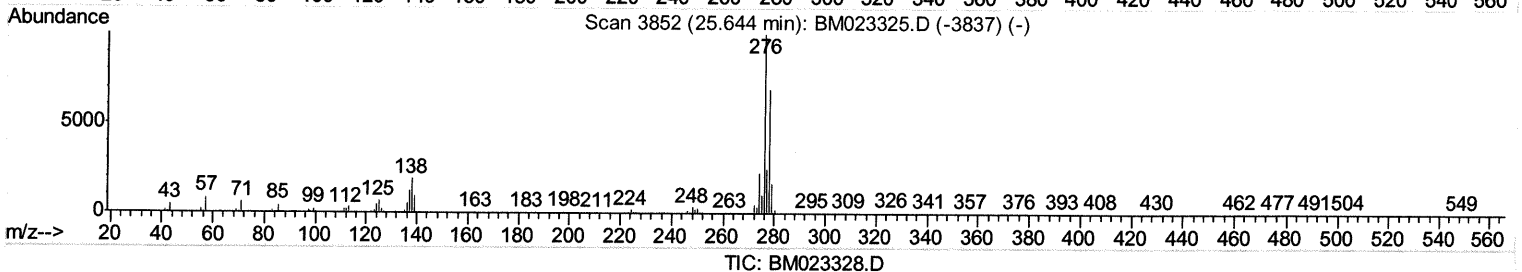
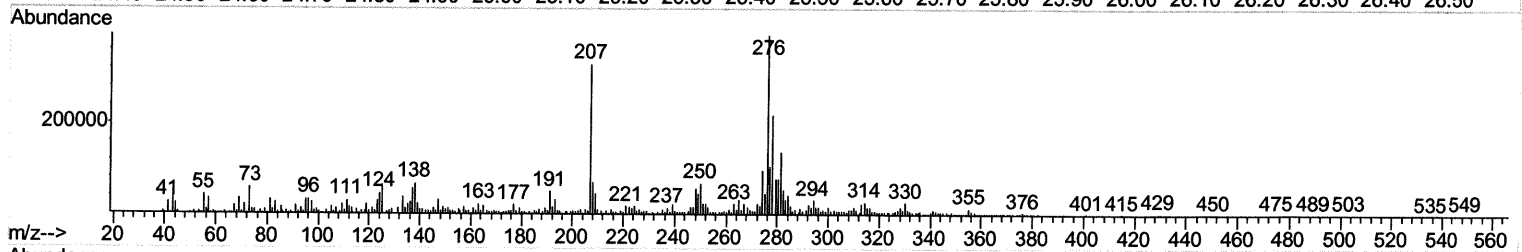
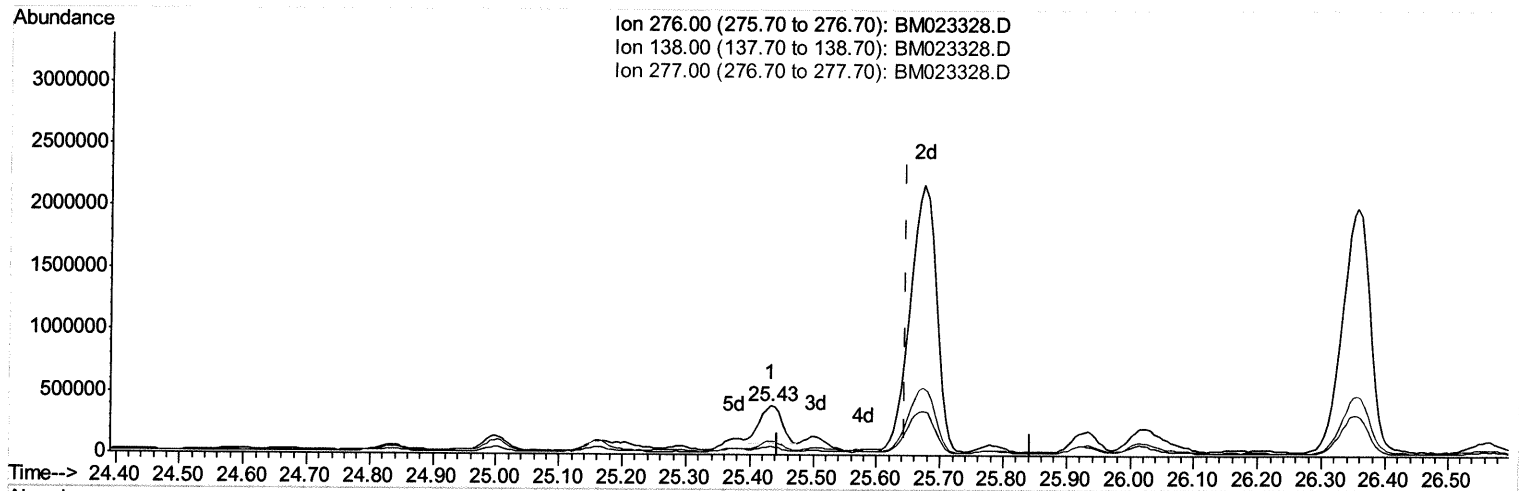
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:40:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



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

25.432min (-0.212) 3.84ng/ul

response 736669

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	17.50
277.00	24.80	27.09
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

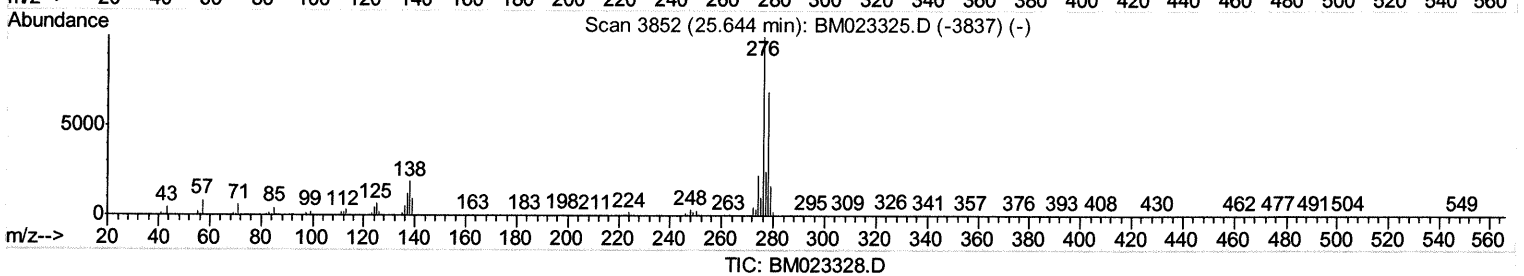
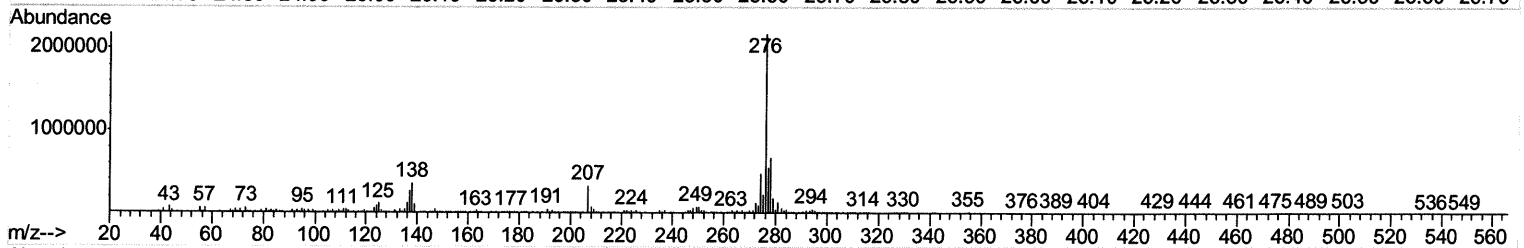
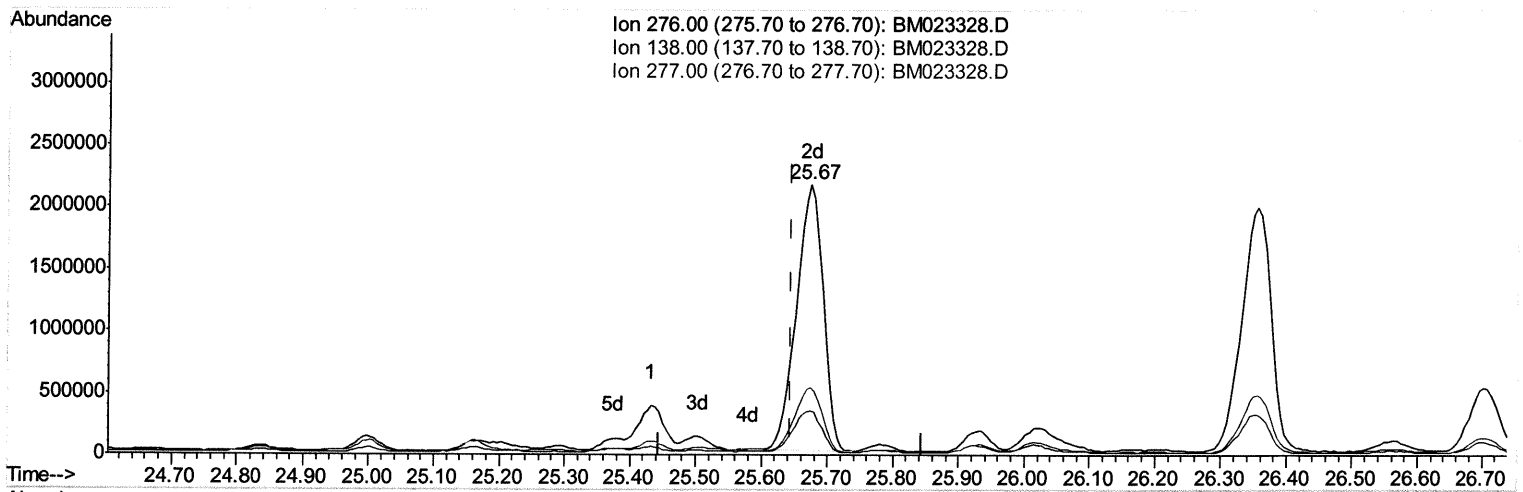
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:40:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



TIC: BM023328.D

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

25.674min (+0.029) 31.76ng/ul m 24 10.23.19

response 6093233

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	16.52
277.00	24.80	25.23
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

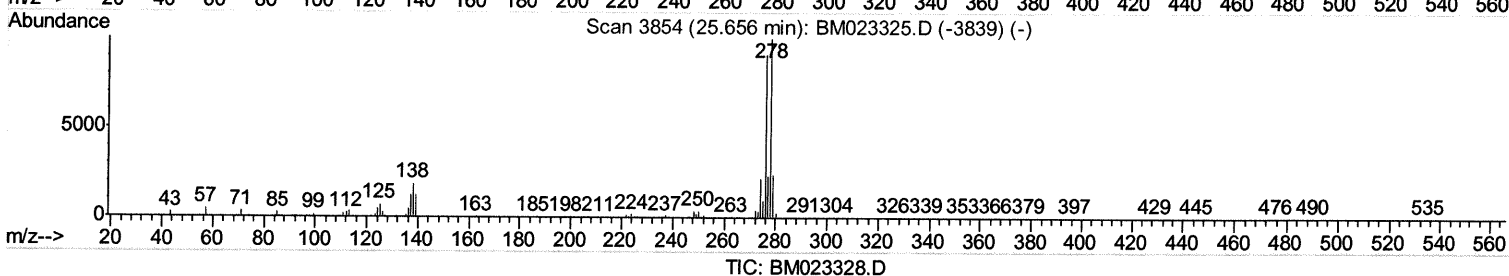
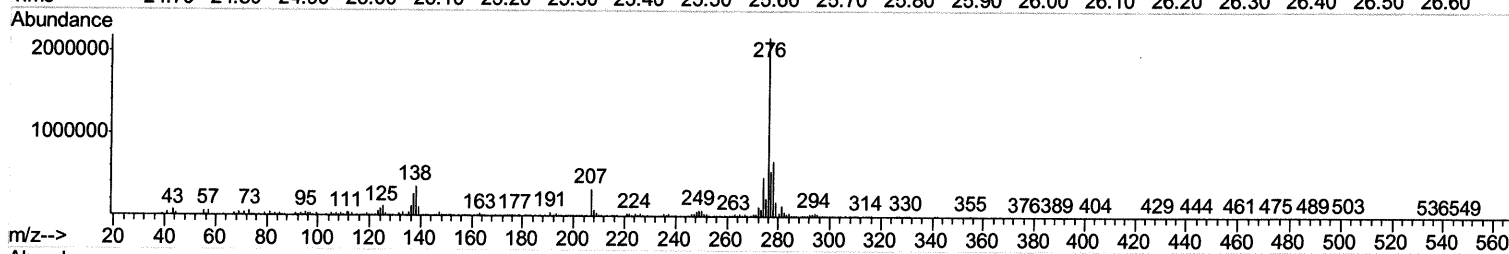
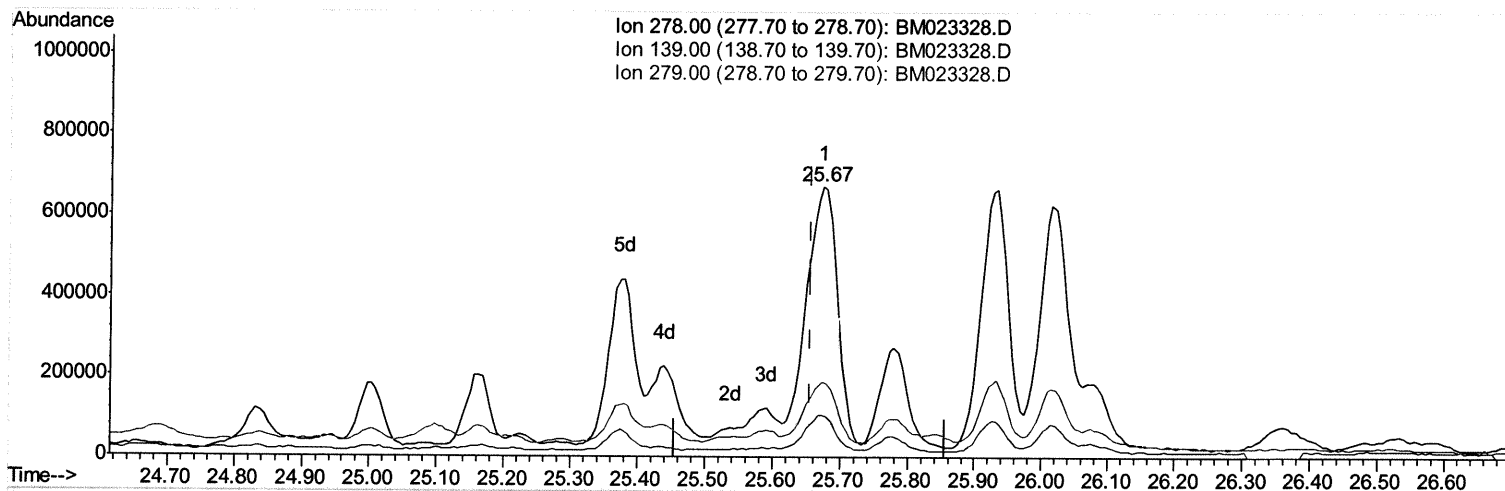
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:40:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(93) Dibenzo(a,h)anthracene

25.674min (+0.018) 10.28ng/ul

response 1649199

Ion	Exp%	Act%
278.00	100	100
139.00	13.10	15.40
279.00	24.60	27.71
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

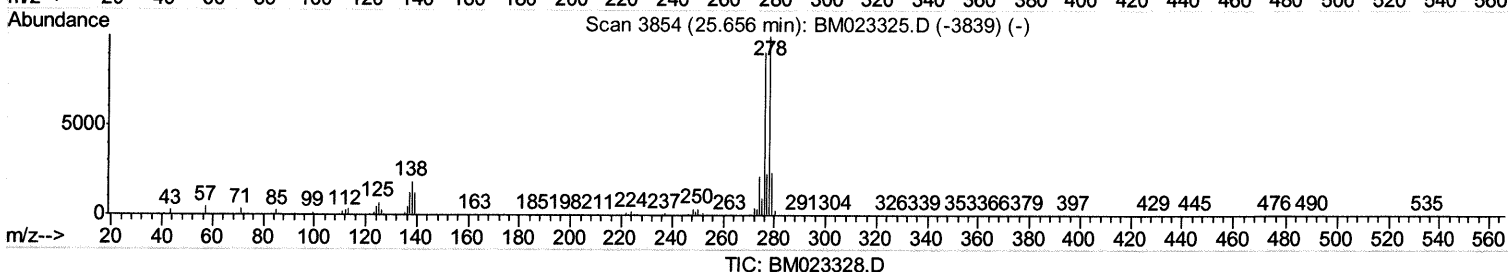
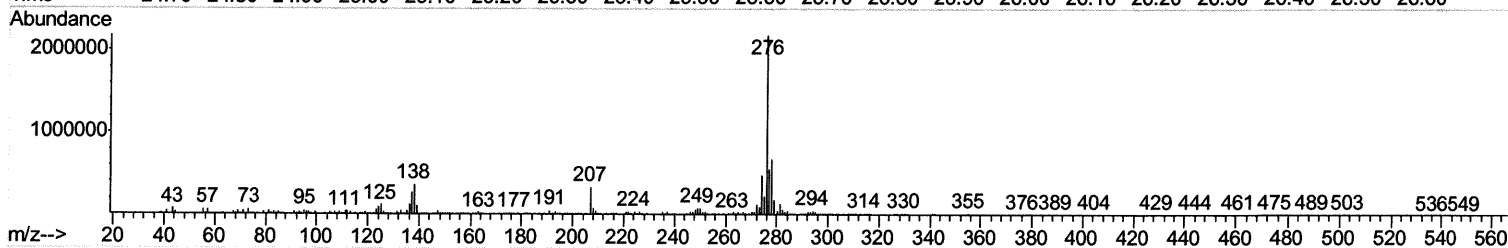
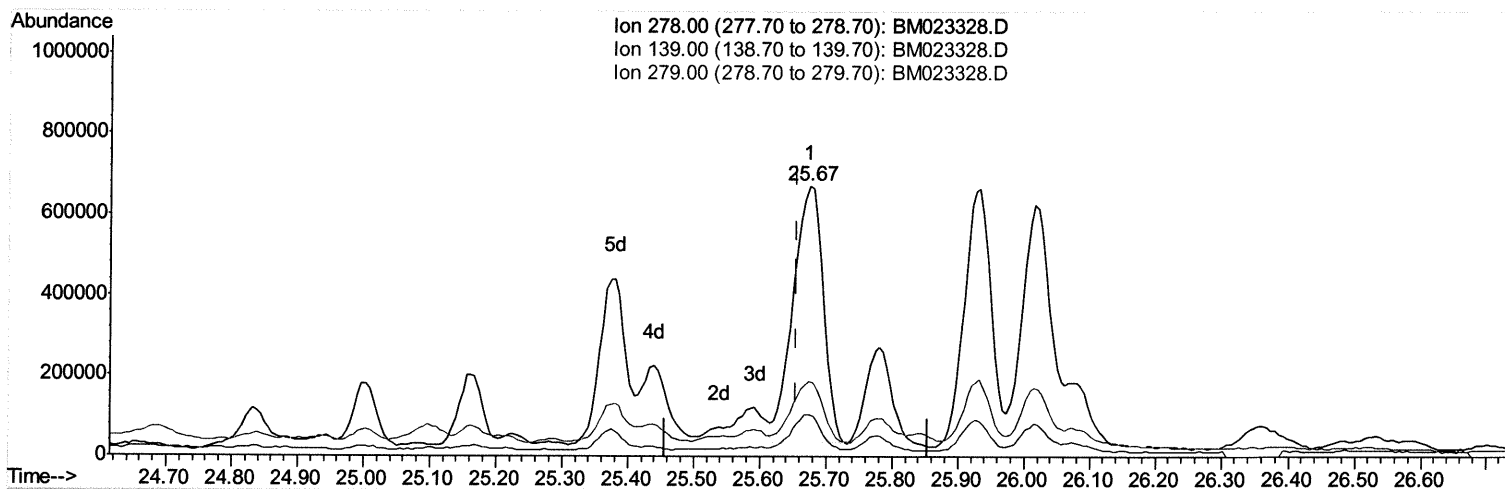
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:40:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



TIC: BM023328.D

(93) Dibenzo(a,h)anthracene

25.674min (+0.018) 12.65ng/ul m

Da 10.23.19

response 2029238

Ion	Exp%	Act%
278.00	100	100
139.00	13.10	15.40
279.00	24.60	27.71
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

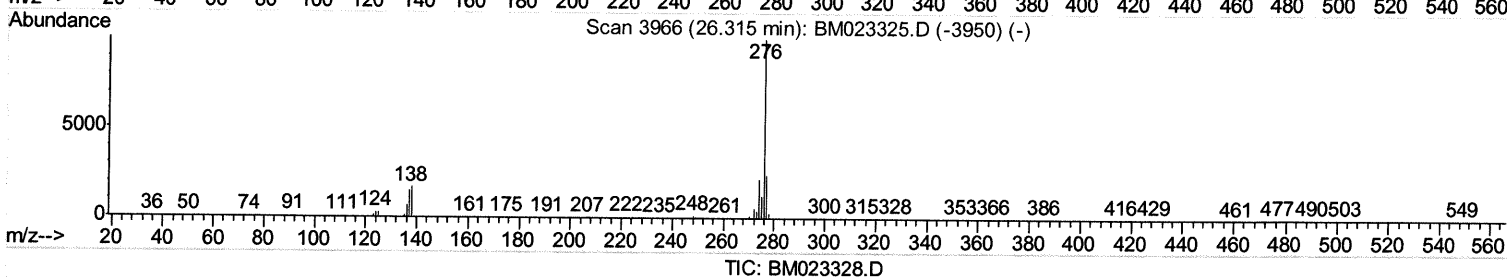
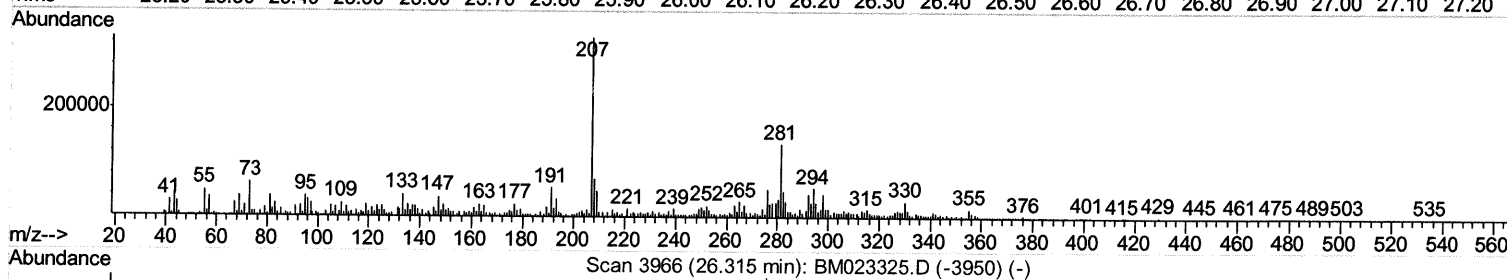
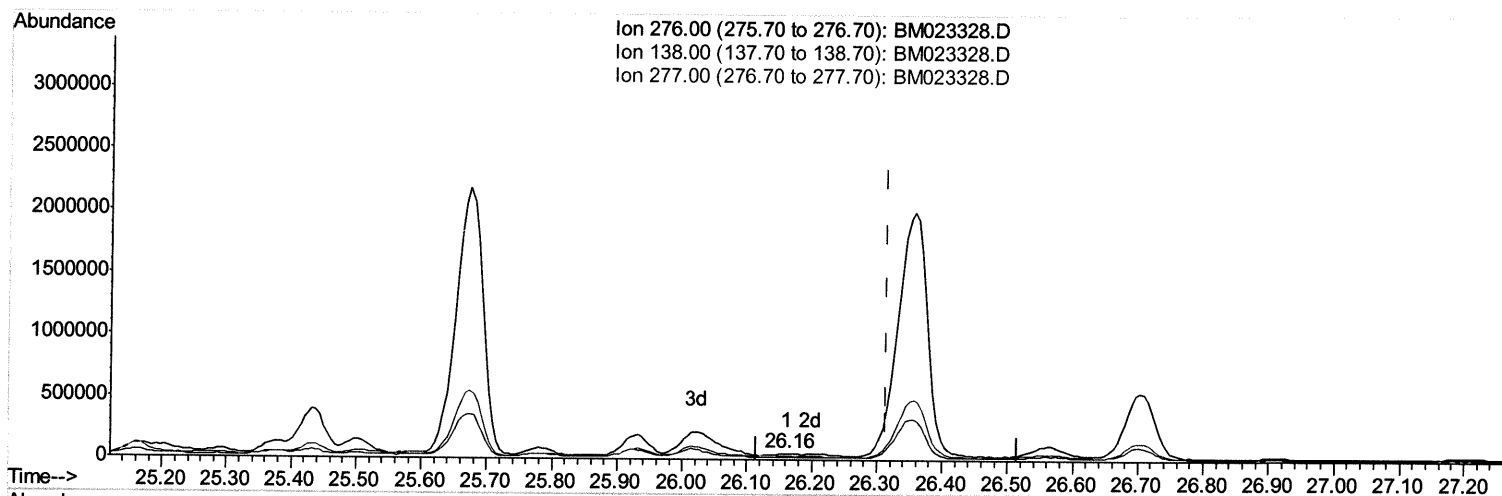
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:40:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(94) Benzo(g,h,i)perylene

26.162min (-0.153) 0.30ng/ul

response 47471

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	39.75#
277.00	23.40	49.50#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Qedit)

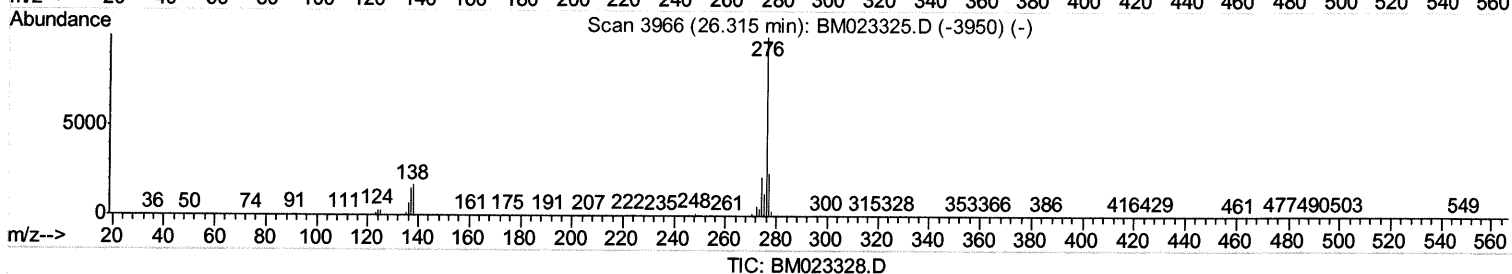
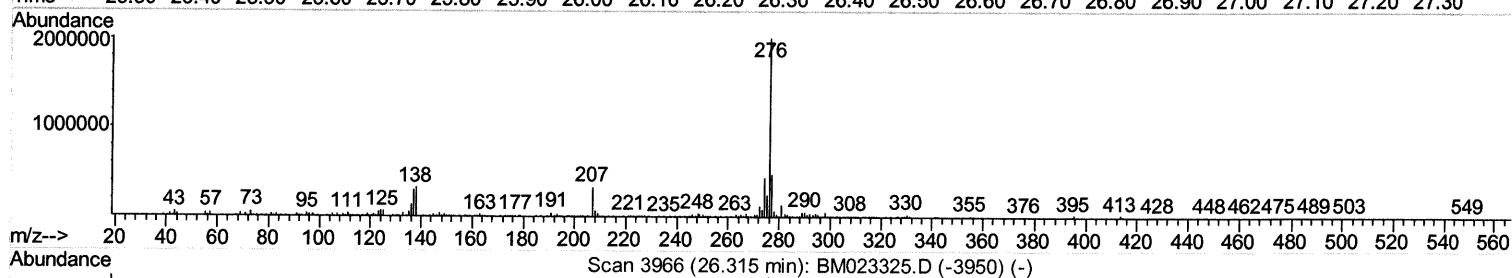
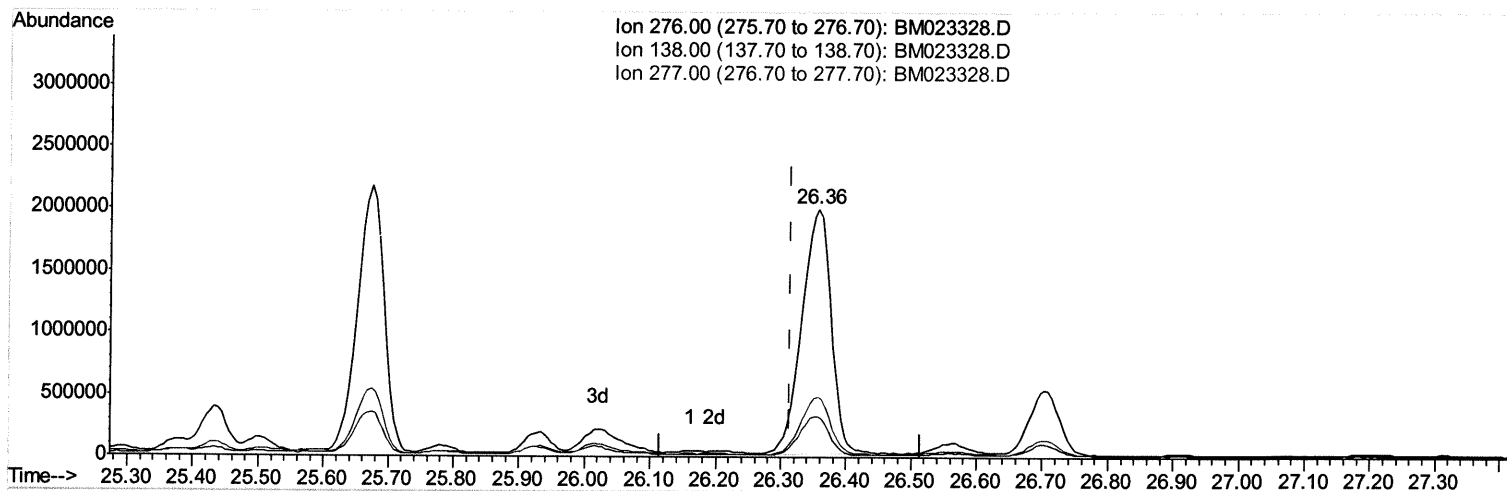
Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:48 AM

Quant Time: Oct 23 02:40:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration



(94) Benzo(g,h,i)perylene

26.356min (+0.041) 39.11ng/ul m *Ja 10-23-19*

response 6178046

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	16.38
277.00	23.40	24.15
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	423909	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1690362	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	1069961	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2138088	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2240996	20.00	ng/ul	0.00
86) Perylene-d12	23.45	264	2772418m	20.00	ng/ul	0.02

JU 10-23-19

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	33184	3.45	ng/uL	0.00
5) Phenol-d5	6.82	99	634713	17.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	344666	16.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	510858	18.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	521365	17.58	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	243035	21.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	275086	25.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	542087	19.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	85399	2.53	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1638043	19.98	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1944454	20.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	245986	18.53	ng/ul	0.00
58) Fluorene-d10	15.29	176	1437257	20.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	139880	16.50	ng/ul	0.00
71) Anthracene-d10	17.14	188	2226111	21.59	ng/ul	0.00
79) Pyrene-d10	19.44	212	2405696	22.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2950872	21.00	ng/ul	0.02

Target Compounds

					Qvalue
4) Benzaldehyde	6.80	77	25923	1.069 ng/ul#	48
6) Phenol	6.85	94	65432	1.719 ng/ul	92
28) Naphthalene	10.47	128	547533	6.267 ng/ul	99
34) 2-Methylnaphthalene	12.10	142	218666	3.363 ng/ul	96
41) 1,1'-Biphenyl	13.12	154	100477	1.234 ng/ul	100
45) Dimethylphthalate	13.76	163	720682	8.781 ng/ul	99
48) Acenaphthylene	14.01	152	2285564	23.244 ng/ul	99
50) Acenaphthene	14.36	153	367915	5.373 ng/ul	97
54) Dibenzofuran	14.69	168	105560	1.086 ng/ul	96
59) Fluorene	15.34	166	315688m	3.959 ng/ul	96
70) Phenanthrene	17.08	178	2951781	24.600 ng/ul	98
72) Anthracene	17.17	178	1605127	12.945 ng/ul	99
77) Fluoranthene	19.10	202	7024299	49.223 ng/ul	99
80) Pyrene	19.47	202	10108429	72.003 ng/ul	99
83) Benzo(a)anthracene	21.22	228	7820765m	51.505 ng/ul	90
84) Bis(2-ethylhexyl)phthalate	21.18	149	122722	1.581 ng/ul#	90
85) Chrysene	21.27	228	8044815	57.058 ng/ul	96
88) Benzo(b)fluoranthene	22.80	252	9519708	56.633 ng/ul	97
89) Benzo(k)fluoranthene	22.83	252	3310098m	20.508 ng/ul	98
91) Benzo(a)pyrene	23.36	252	8563129	53.098 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.67	276	6093233m	31.760 ng/ul	98
93) Dibenzo(a,h)anthracene	25.67	278	2029238m	12.650 ng/ul	98
94) Benzo(g,h,i)perylene	26.36	276	6178046m	39.112 ng/ul	98

JU 10-23-19

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed