

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

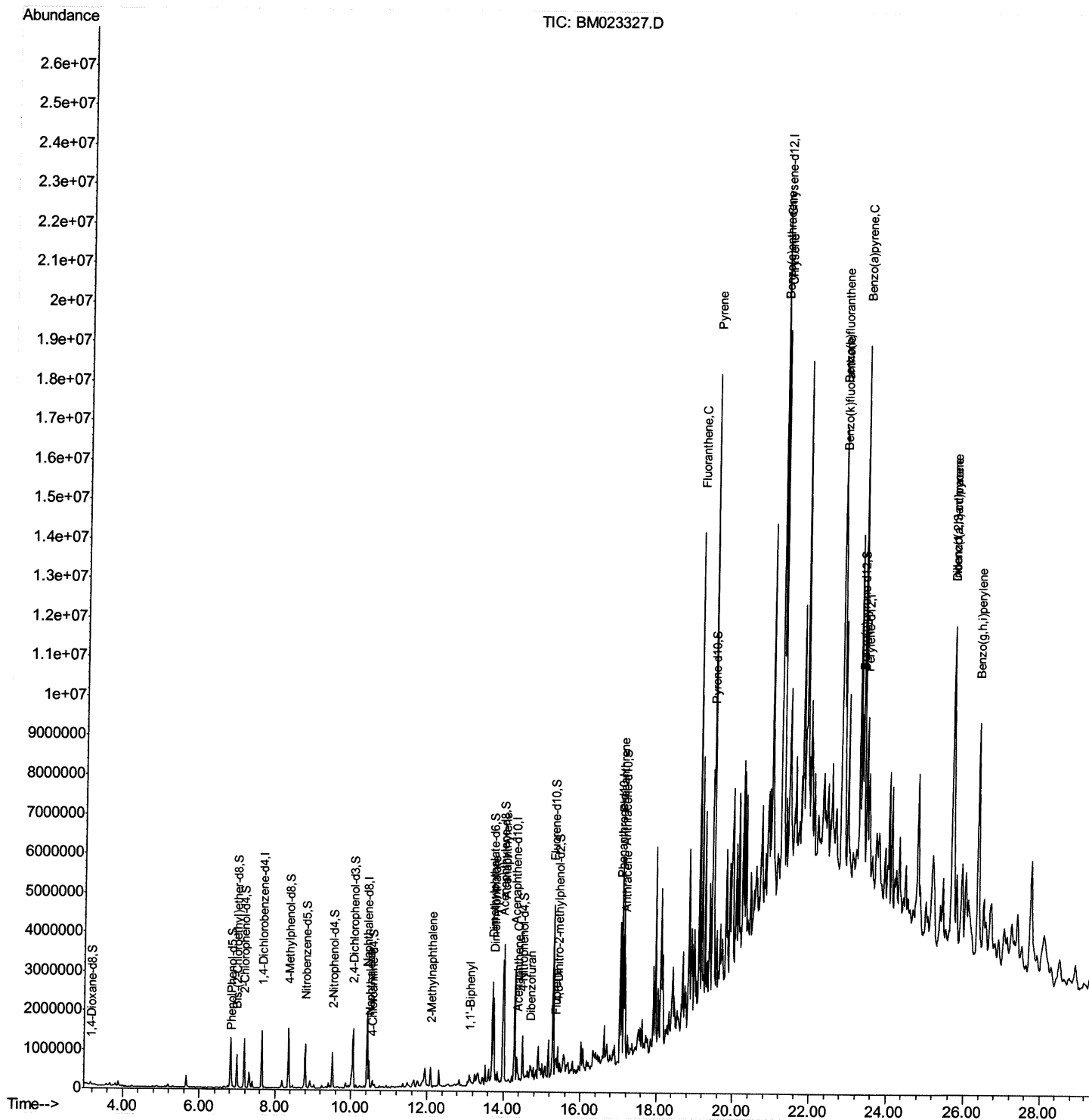
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:03:44 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)

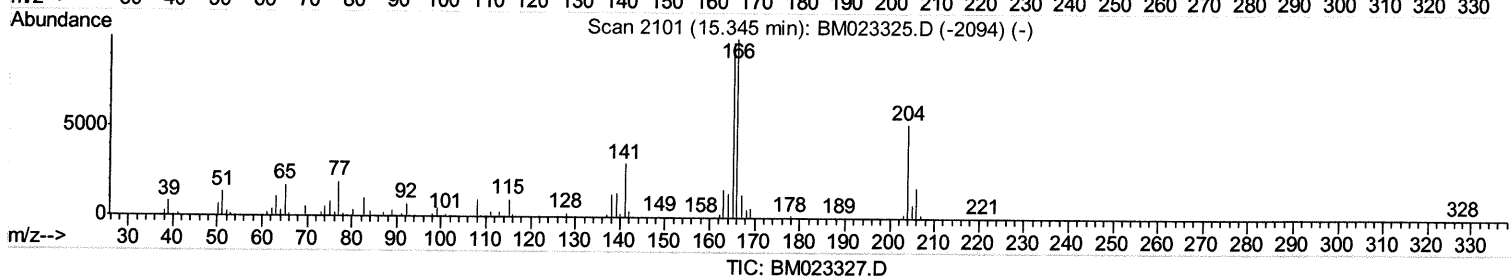
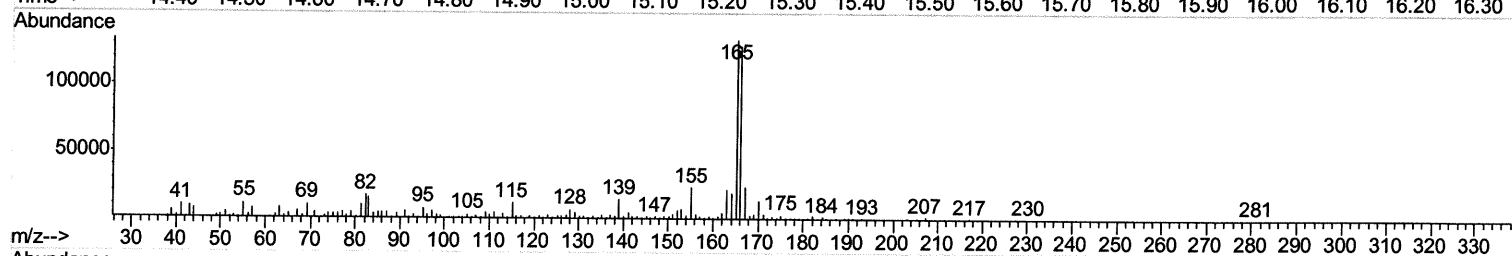
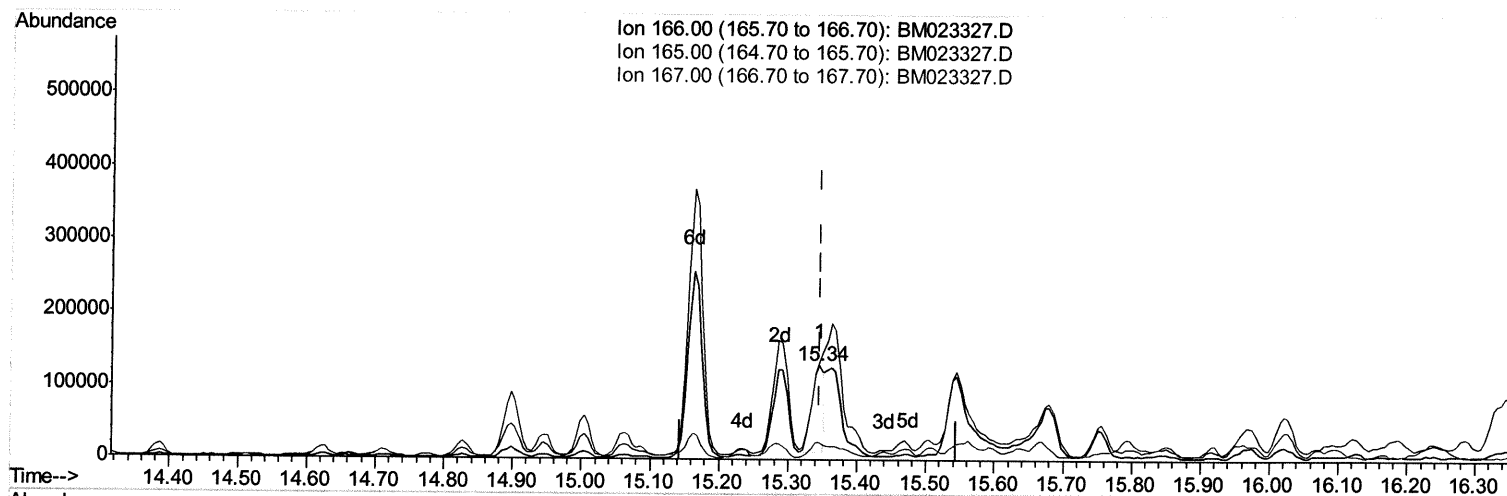
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 01:42:17 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) 2.11ng/ul

response 152308

Ion	Exp%	Act%
166.00	100	100
165.00	97.90	103.58
167.00	13.40	18.90#
0.00	0.00	0.00

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

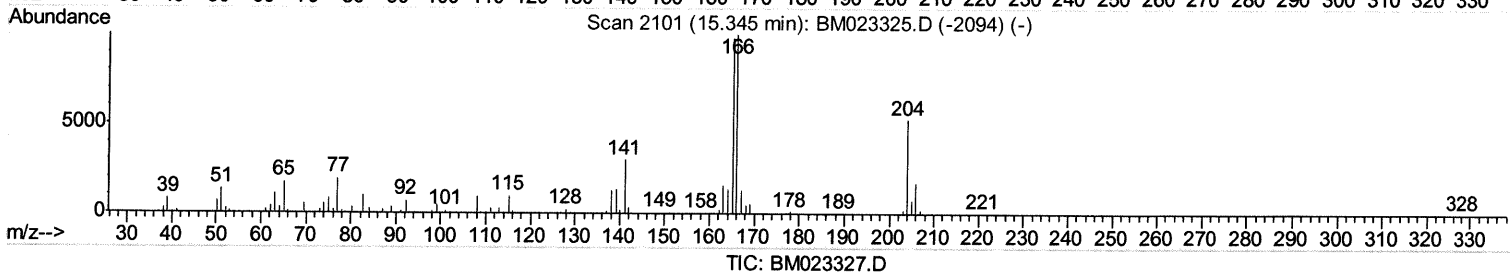
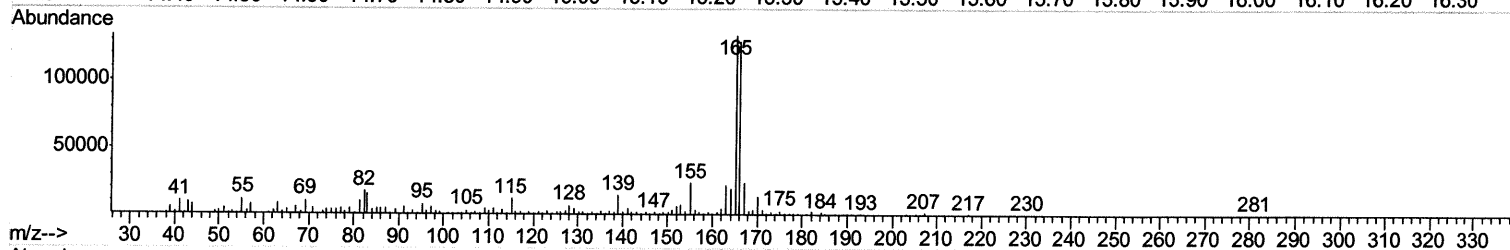
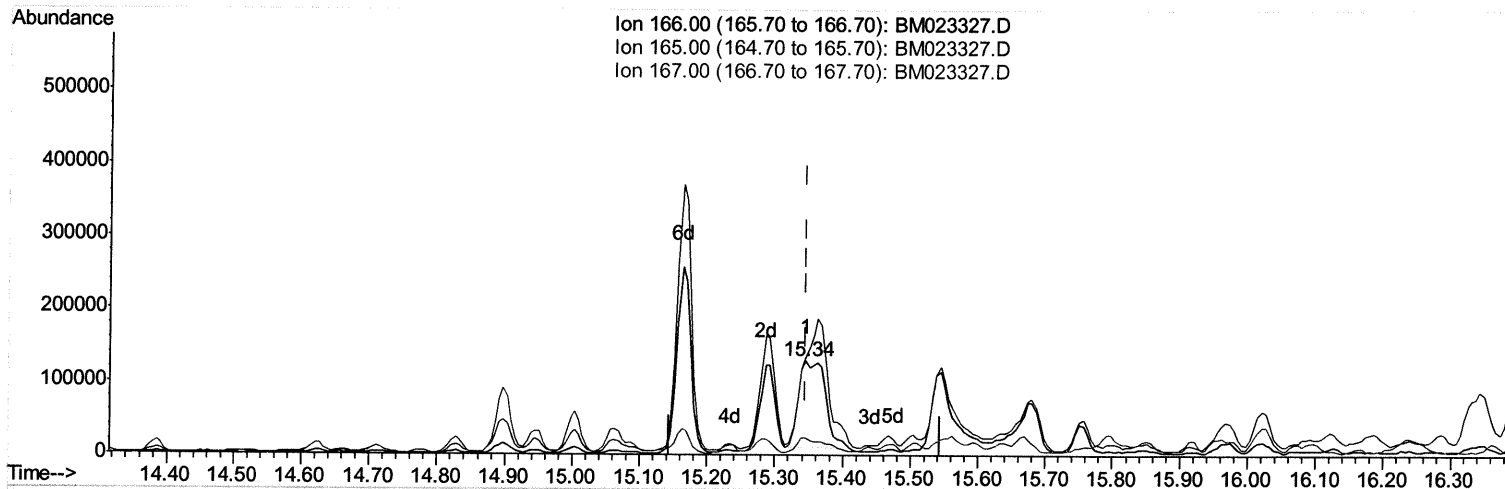
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 01:42:17 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) 4.31ng/ul m

JU 10.23.19

response 311172

Ion	Exp%	Act%
166.00	100	100
165.00	97.90	103.58
167.00	13.40	18.90#
0.00	0.00	0.00

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

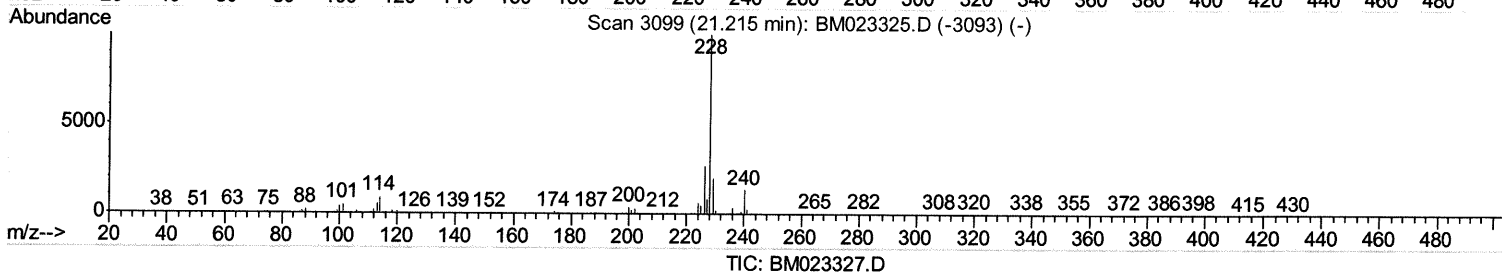
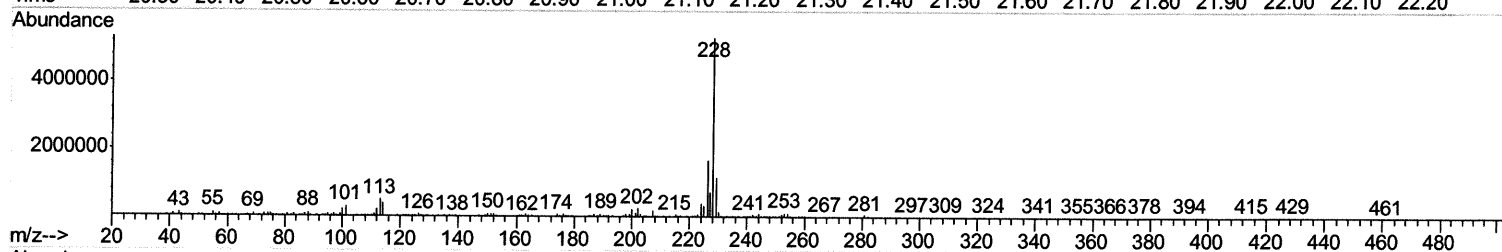
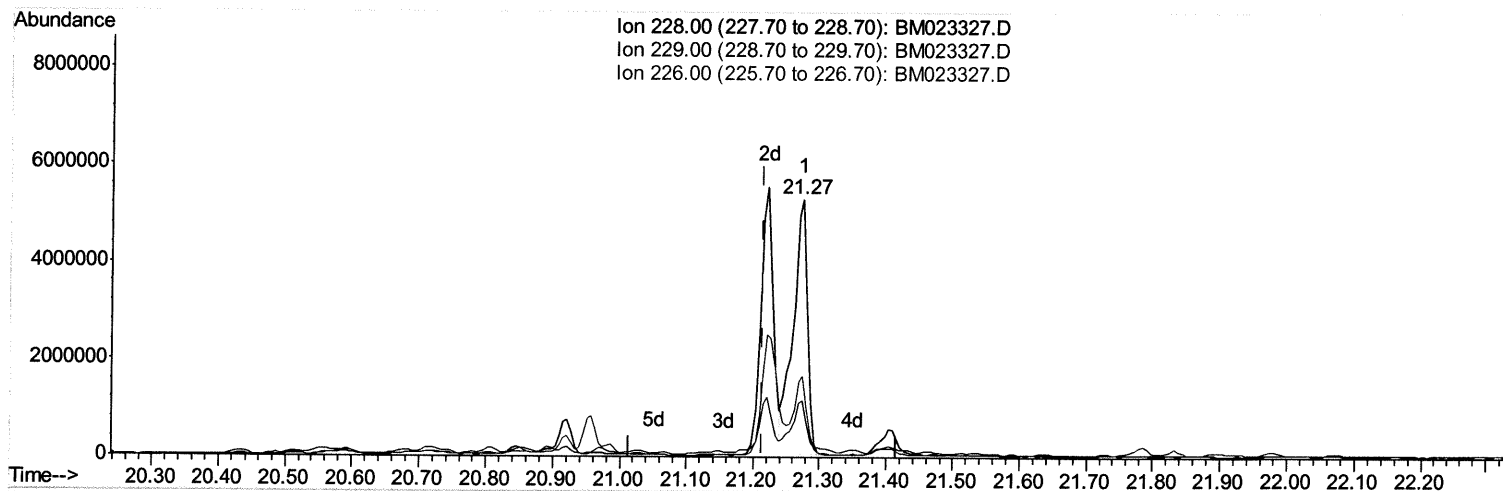
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 01:42:17 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) 51.34ng/ul

response 8054347

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	22.02
226.00	26.90	31.52
0.00	0.00	0.00

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

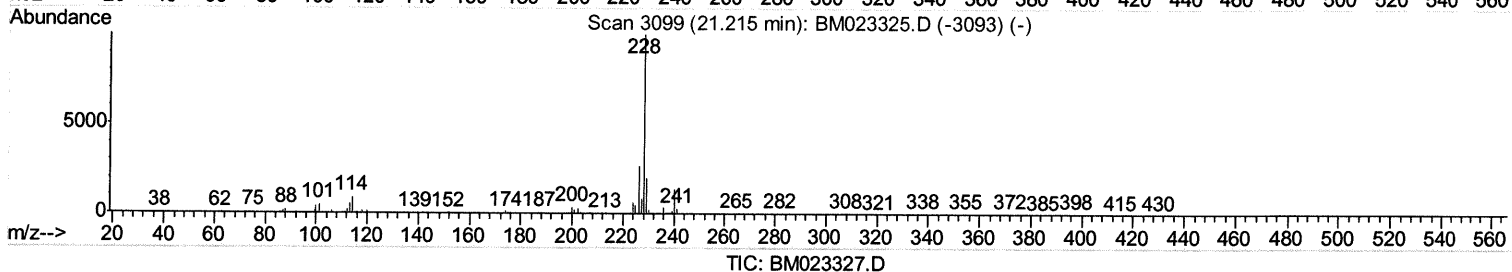
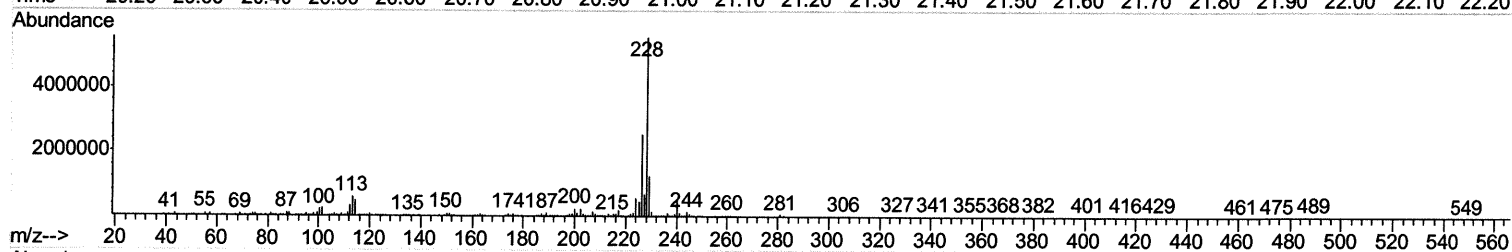
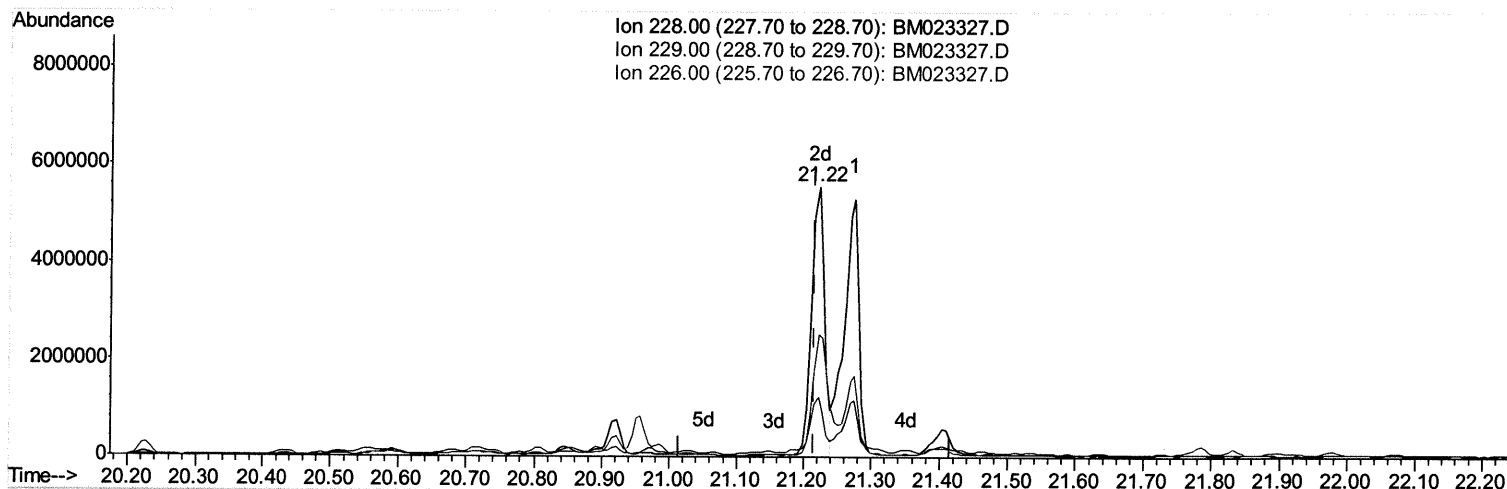
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 01:42:17 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) 46.79ng/ul m

response 7339137

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	22.34
226.00	26.90	45.68#
0.00	0.00	0.00

JU 10-23-19

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

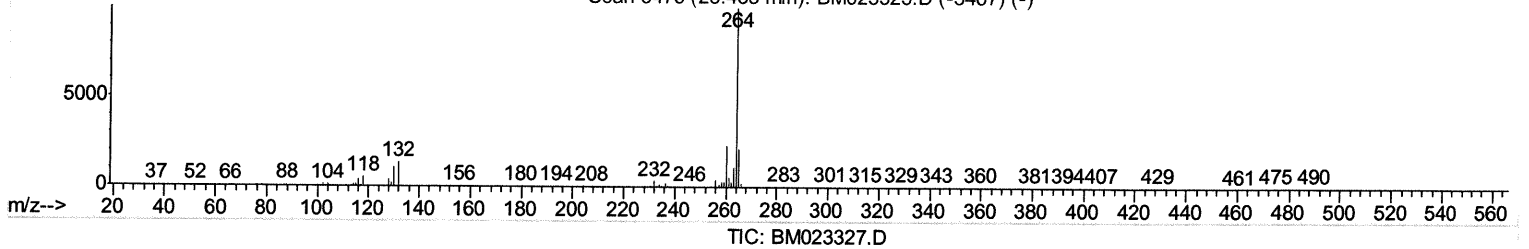
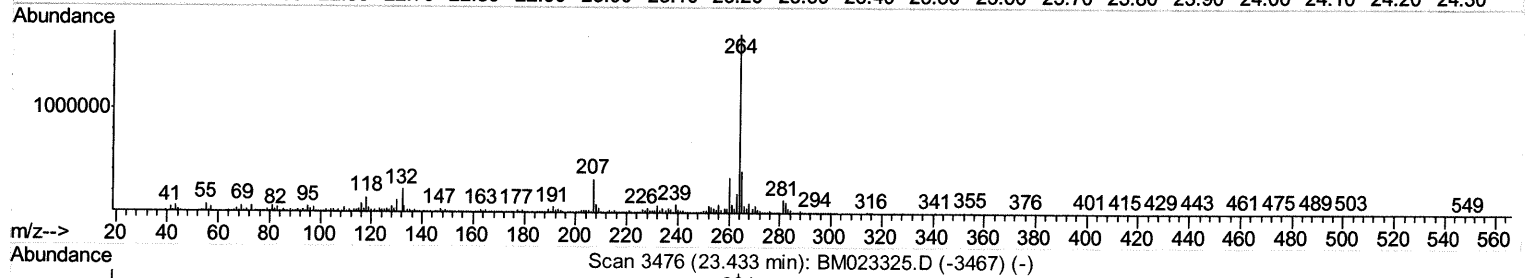
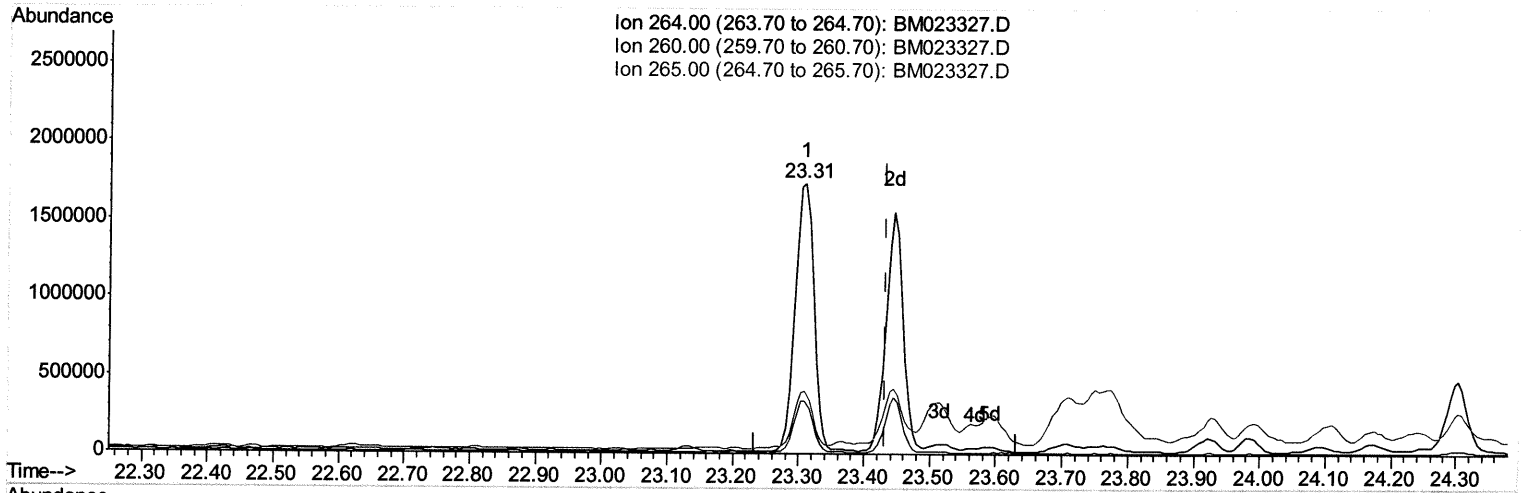
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 01:42:17 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 (-0.123) 20.00ng/ul

response 3440983

Ion	Exp%	Act%
264.00	100	100
260.00	23.20	19.68
265.00	21.60	23.41
0.00	0.00	0.00

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

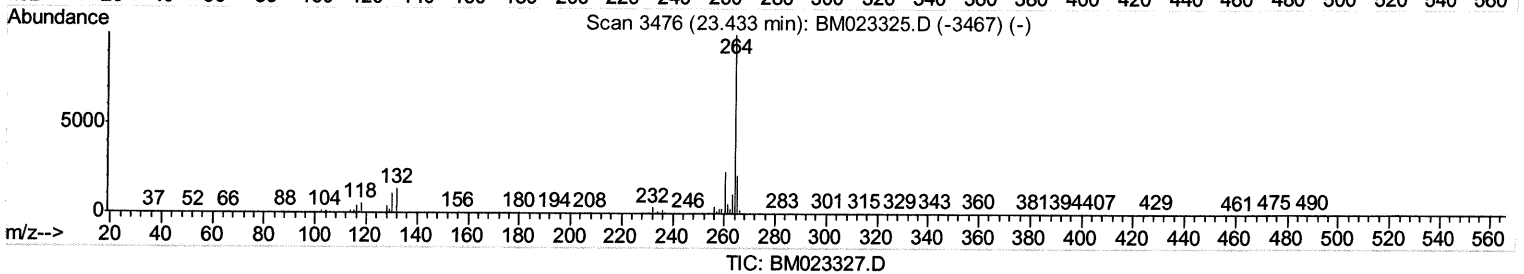
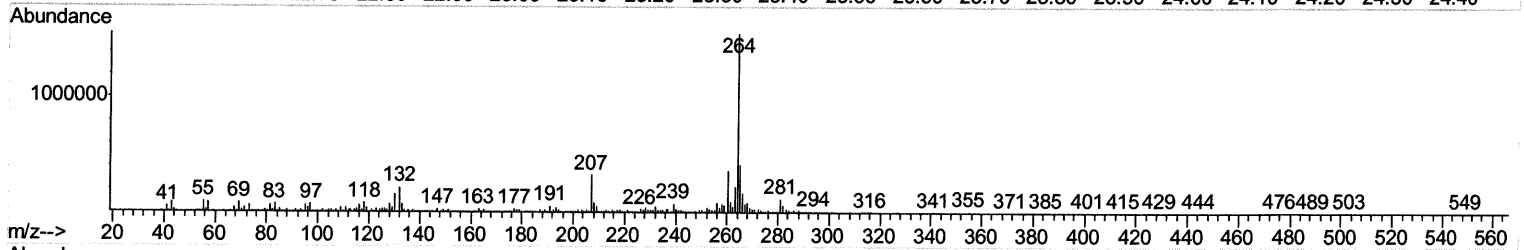
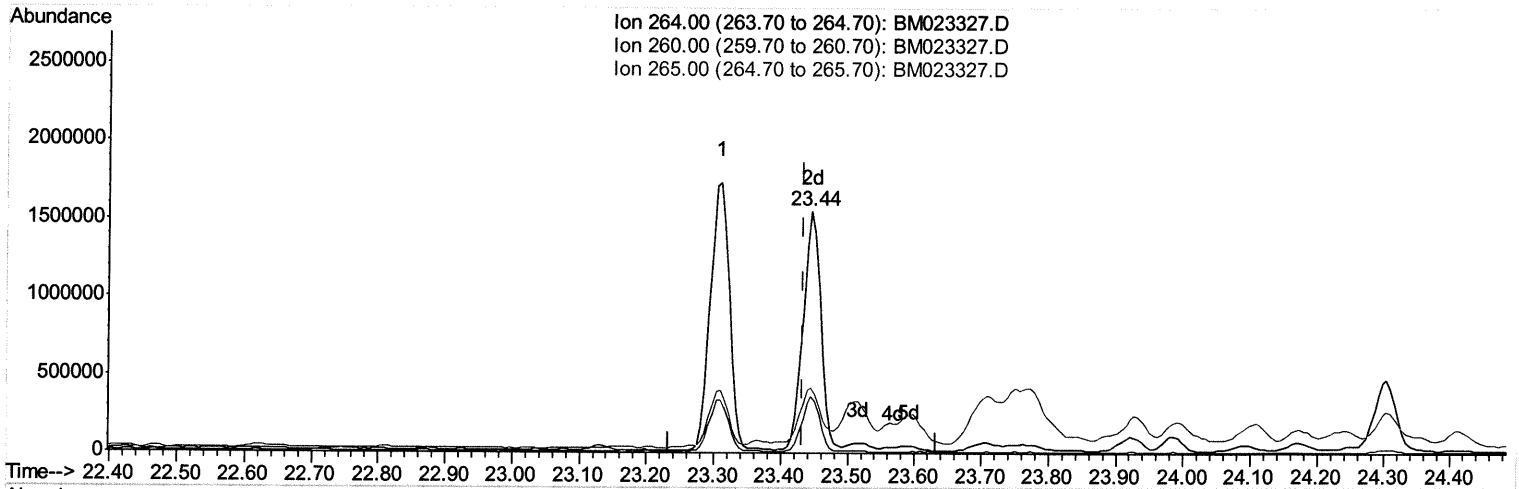
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 01:42:17 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)

23.444min (+0.012) 20.00ng/ul m 34 10.23.19

response 2820214

Ion	Exp%	Act%
264.00	100	100
260.00	23.20	23.56
265.00	21.60	26.91#
0.00	0.00	0.00

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

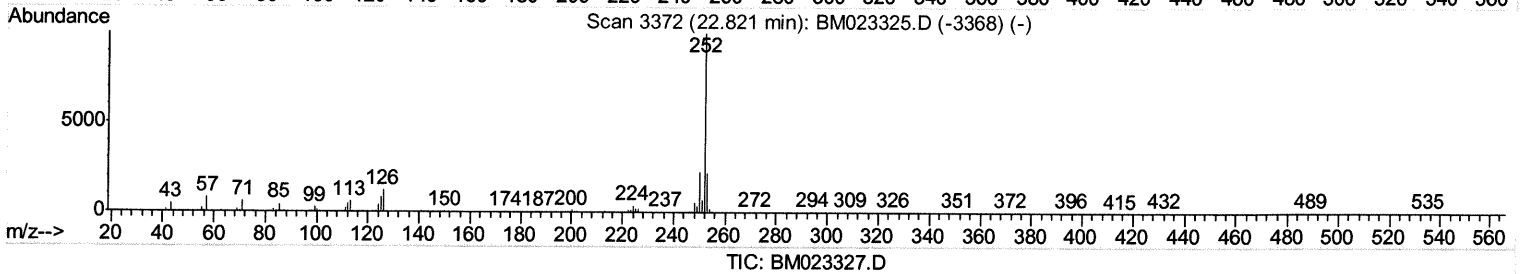
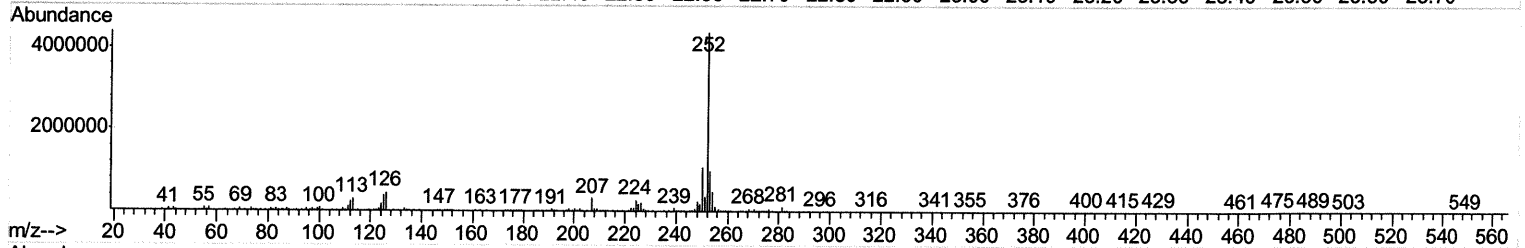
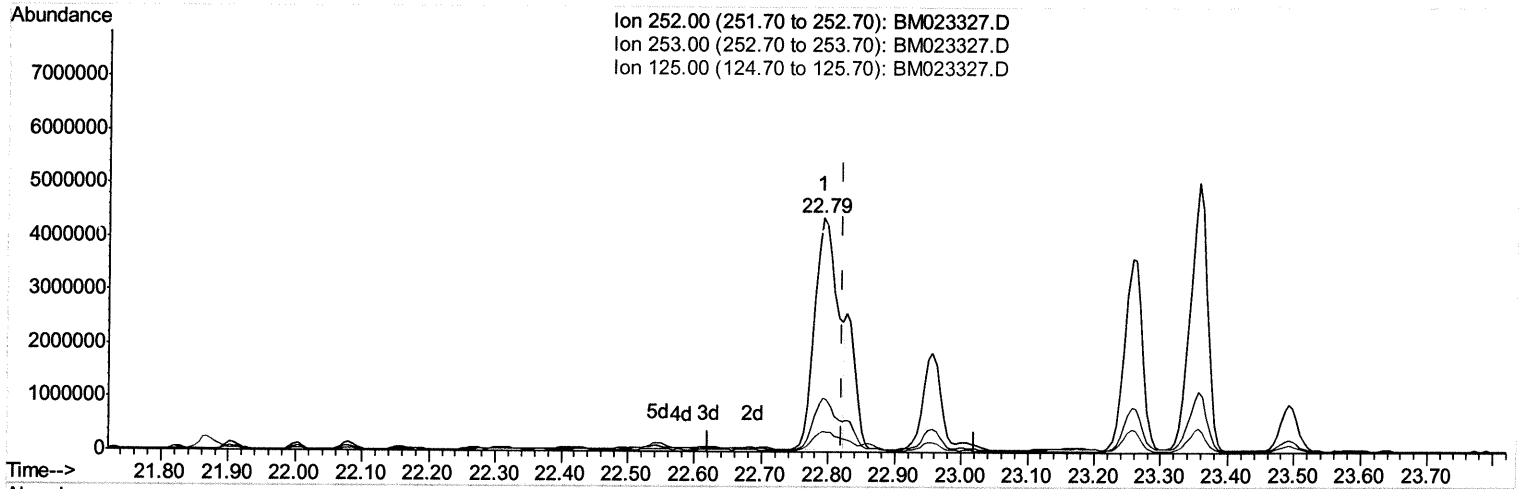
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:01:33 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



(89) Benzo(k)fluoranthene

22.792min (-0.029) 63.69ng/ul

response 10457813

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.84
125.00	8.20	9.11
0.00	0.00	0.00

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

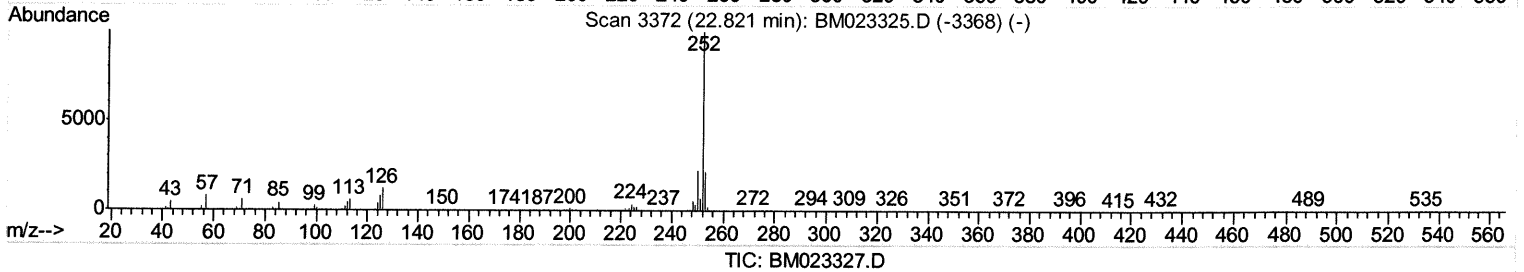
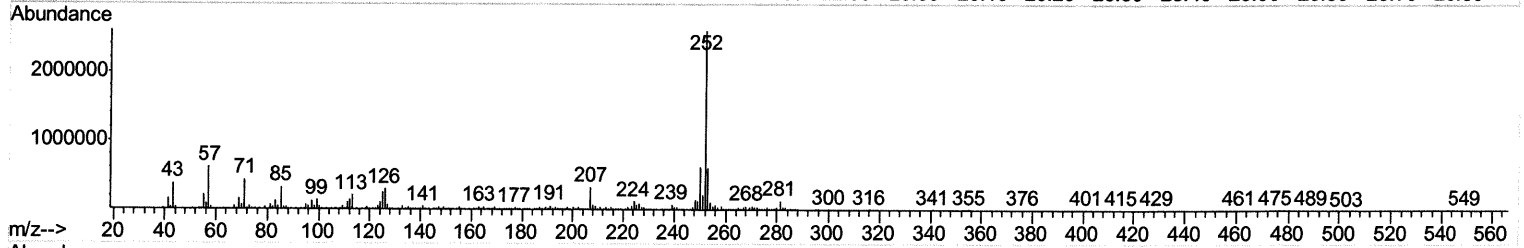
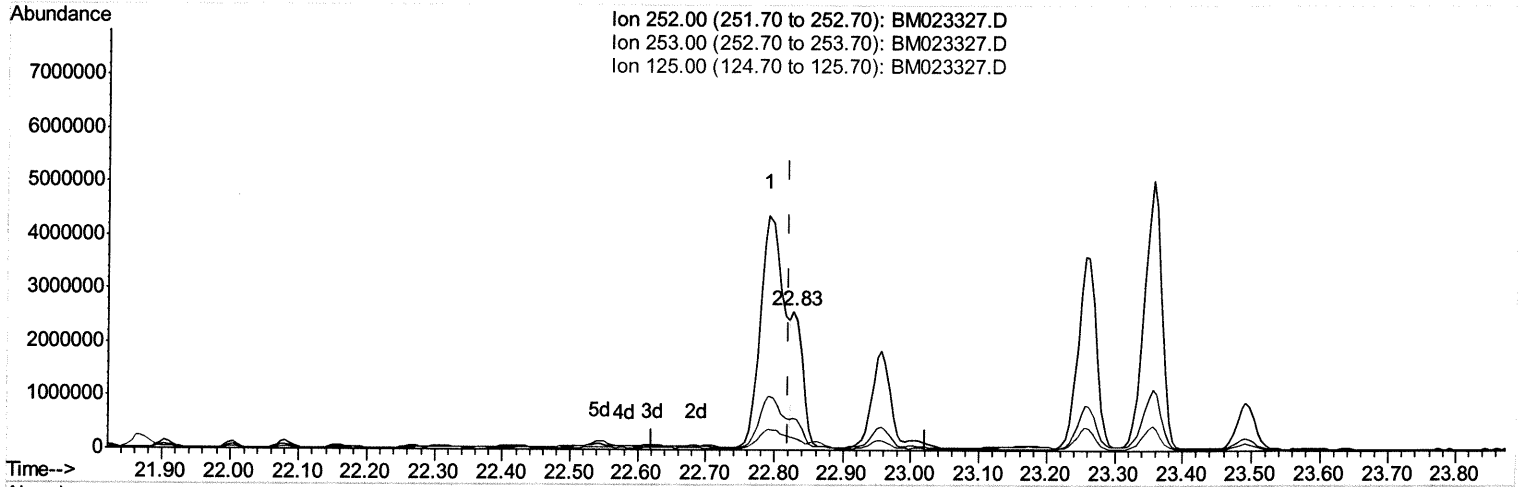
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:01:33 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



(89) Benzo(k)fluoranthene

22.827min (+0.006) 17.49ng/ul m

response 2872451

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.98
125.00	8.20	9.28
0.00	0.00	0.00

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

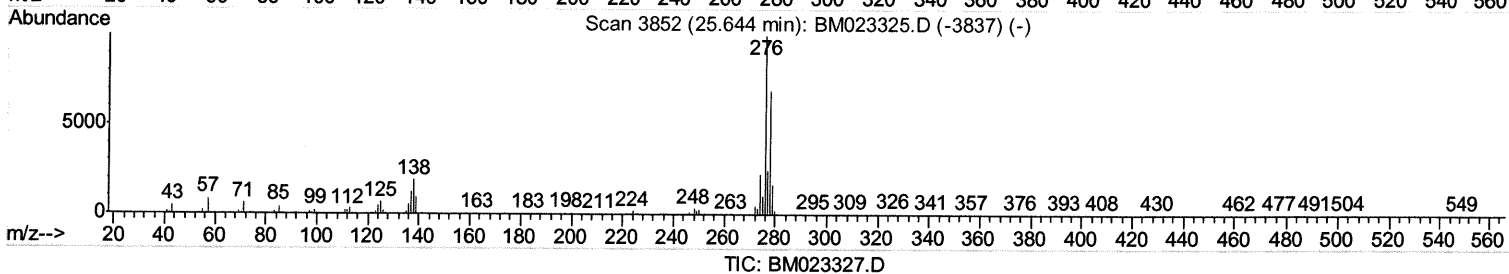
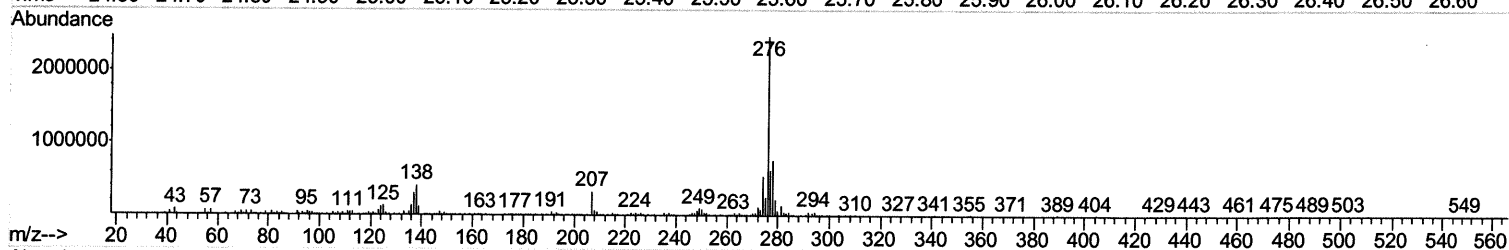
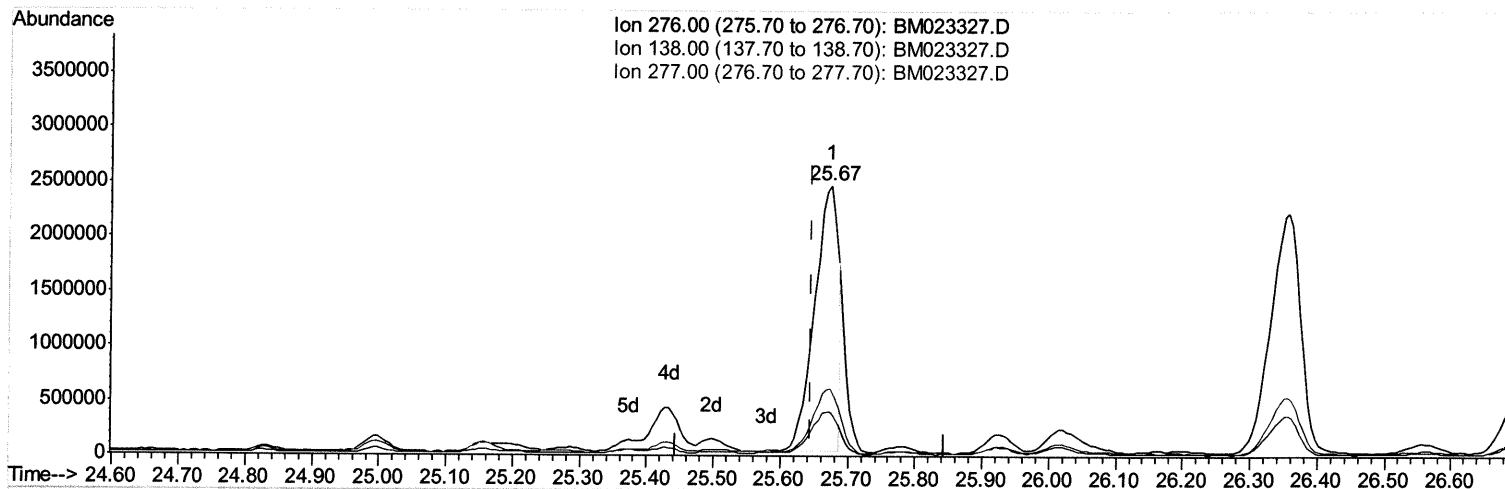
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:01:33 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



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

25.674min (+0.029) 30.01ng/ul

response 5856477

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	16.57
277.00	24.80	25.08
0.00	0.00	0.00

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

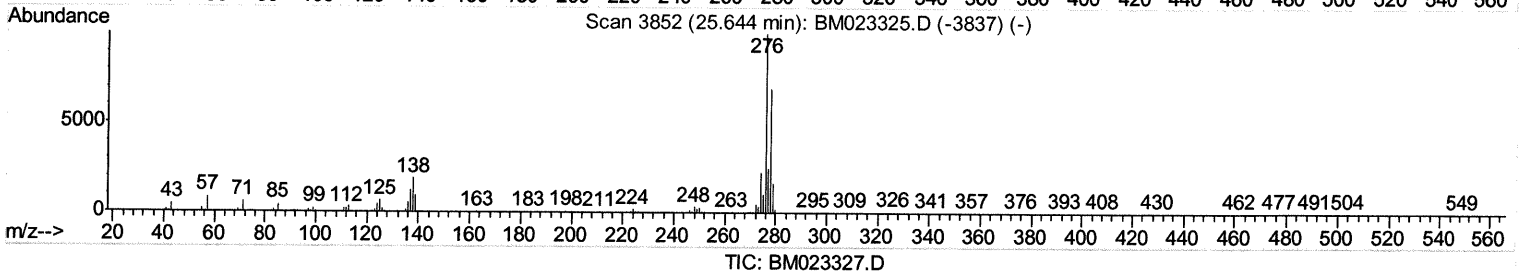
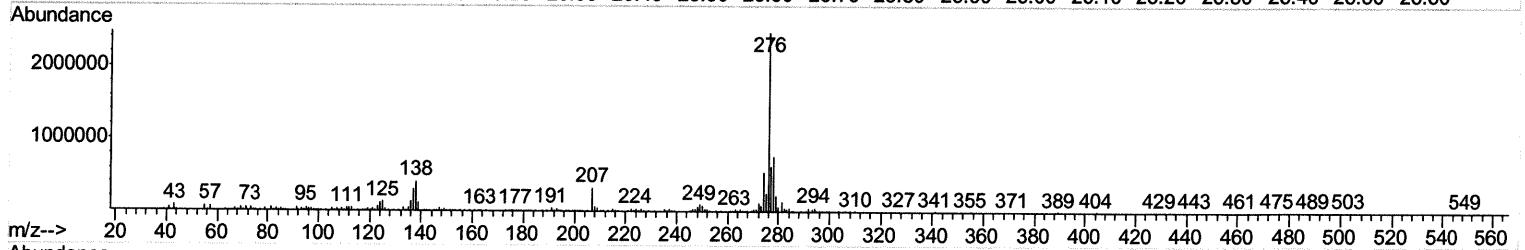
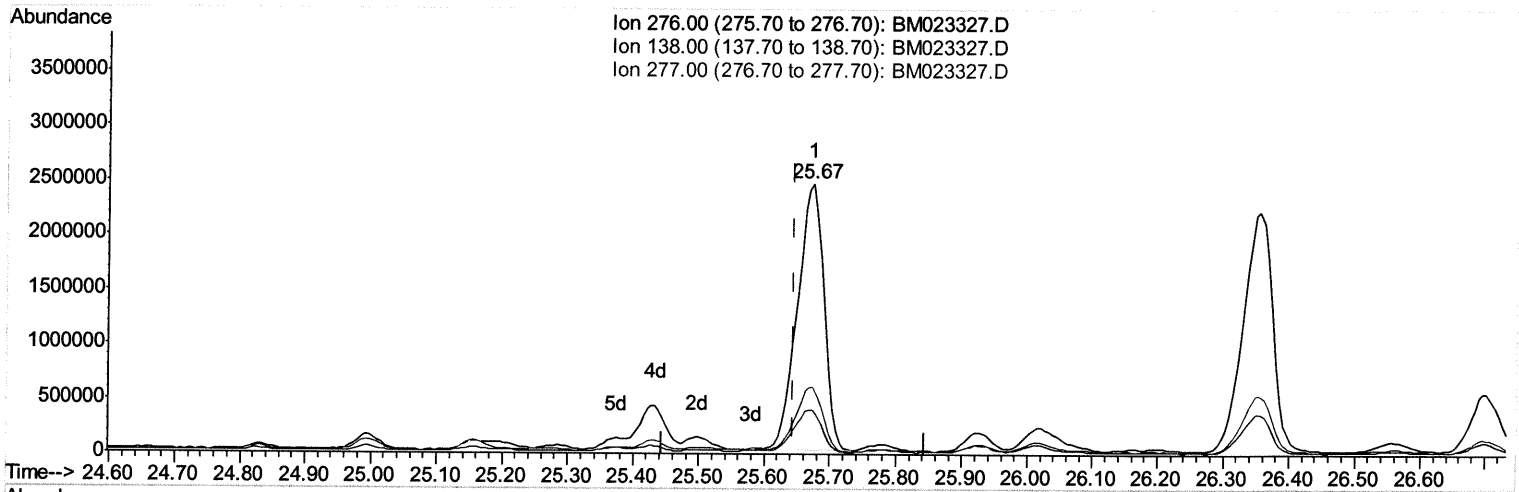
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:01:33 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



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

25.674min (+0.029) 34.95ng/ul m

24 10.23.15

response 6820677

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	16.57
277.00	24.80	25.08
0.00	0.00	0.00

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

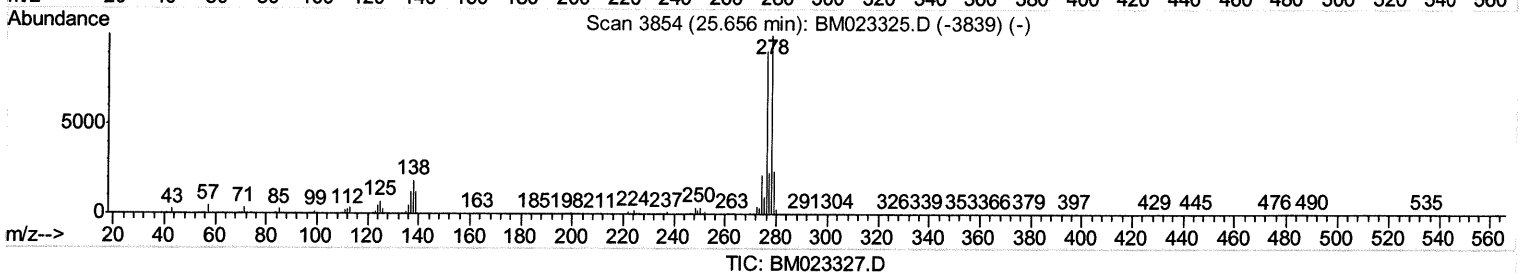
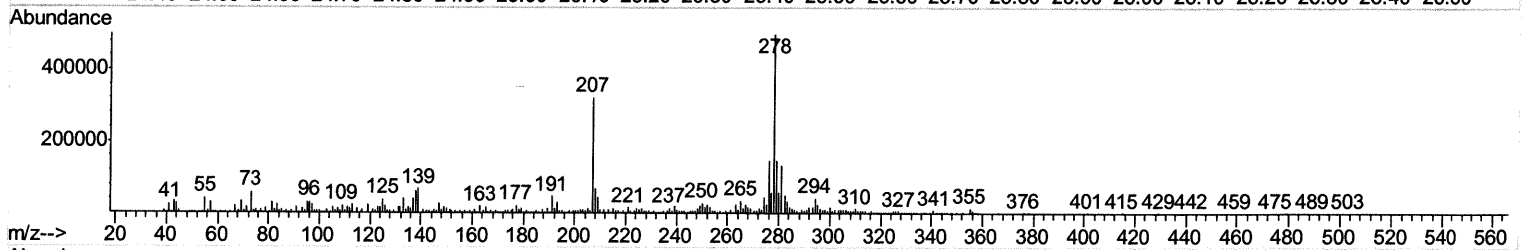
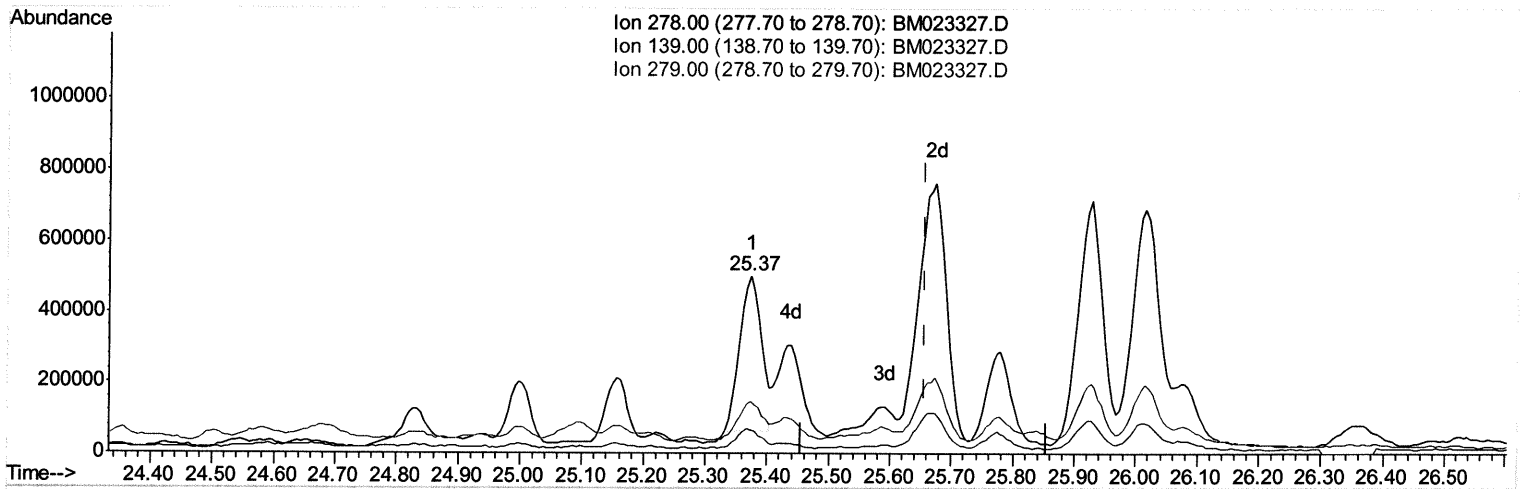
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:01:33 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



(93) Dibenzo(a,h)anthracene

25.374min (-0.282) 6.48ng/ul

response 1057895

Ion	Exp%	Act%
278.00	100	100
139.00	13.10	13.46
279.00	24.60	29.37
0.00	0.00	0.00

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

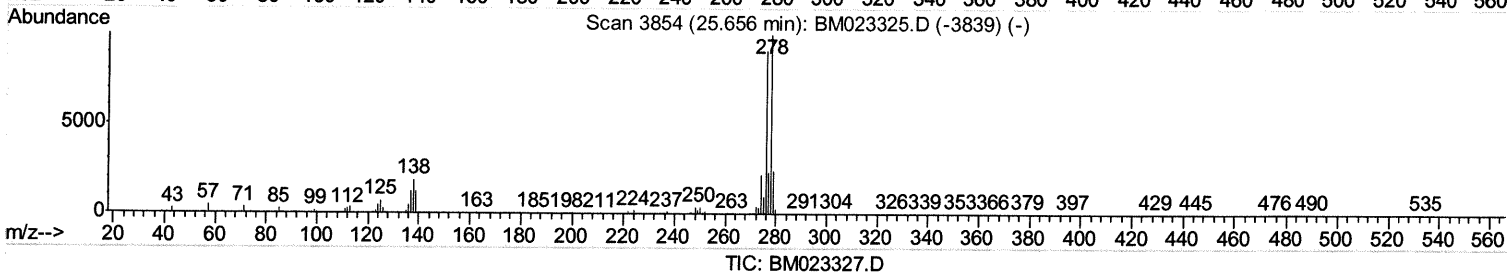
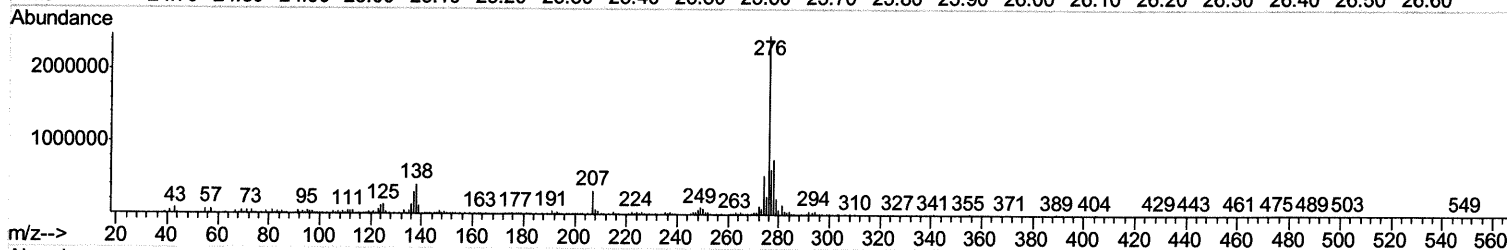
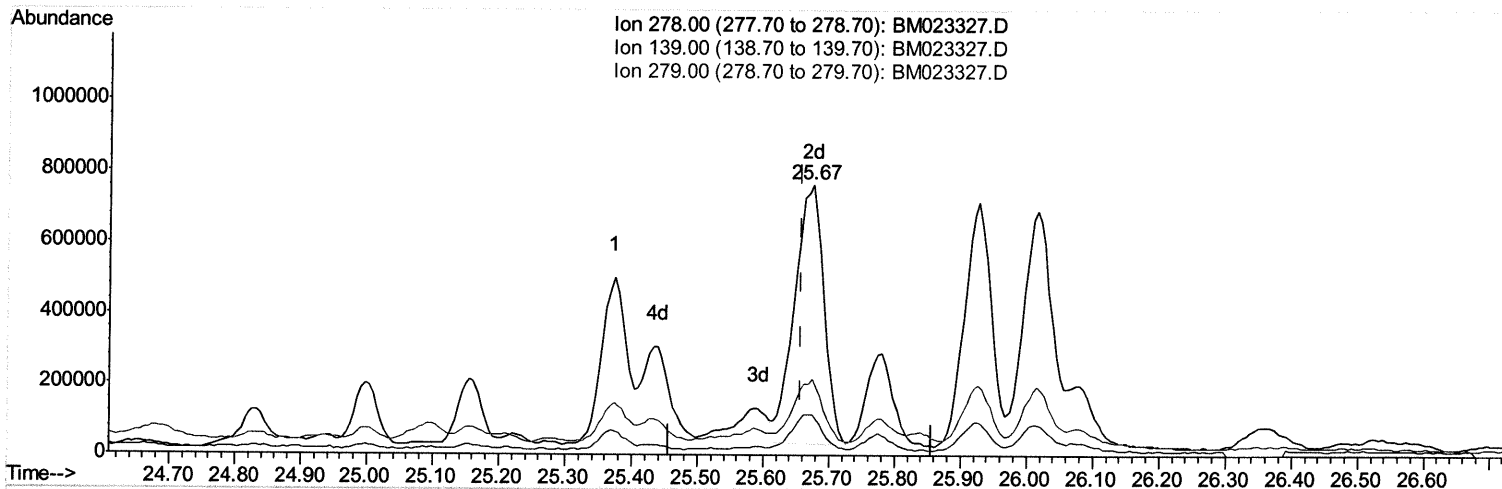
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:01:33 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



(93) Dibenzo(a,h)anthracene

25.674min (+0.018) 14.07ng/ul m

response 2295135

Ion	Exp%	Act%
278.00	100	100
139.00	13.10	15.11
279.00	24.60	28.01
0.00	0.00	0.00

JU 10.23.19

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

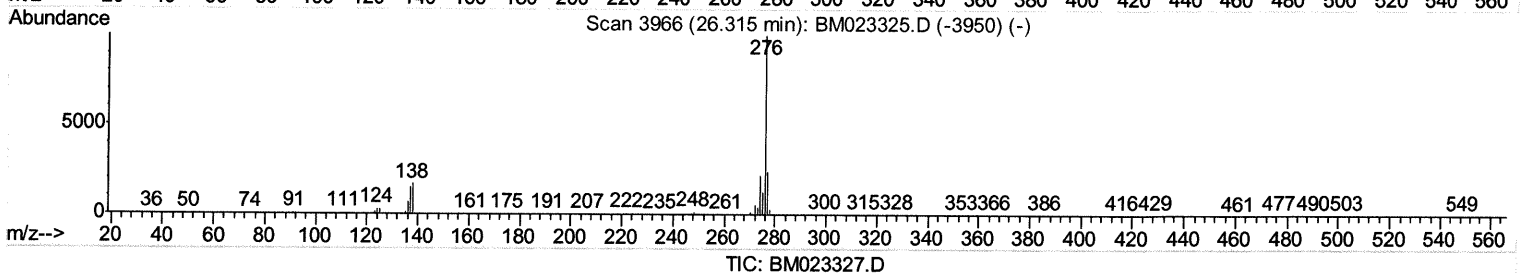
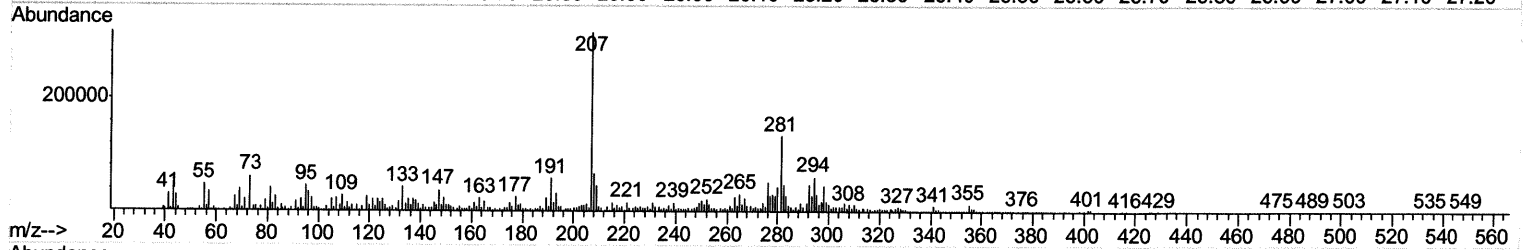
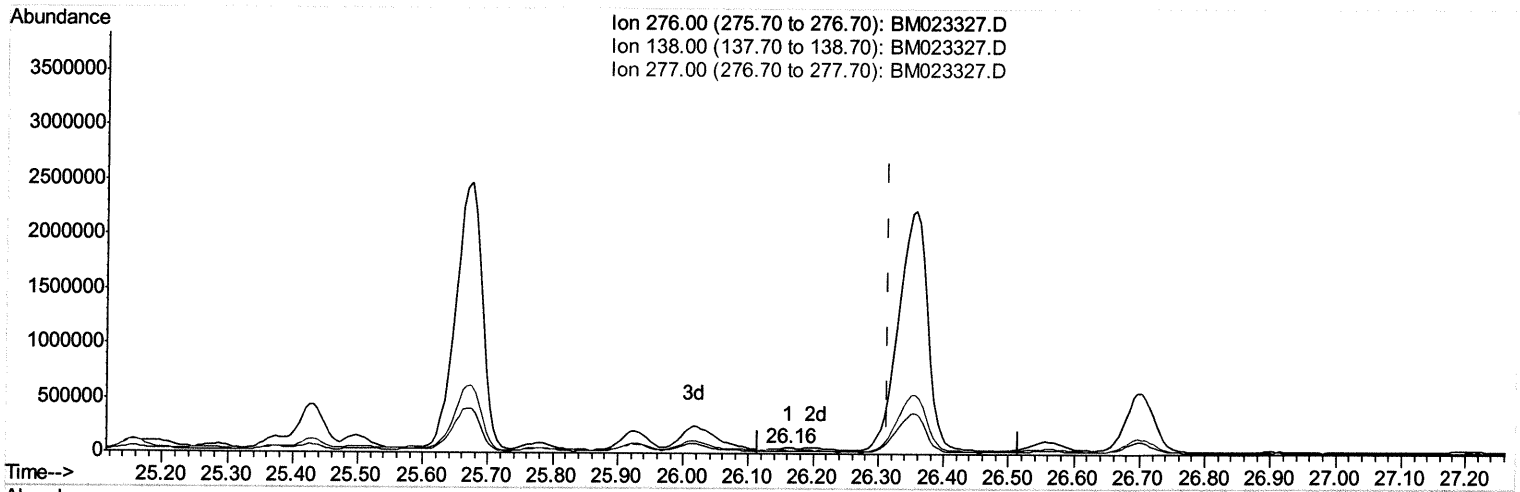
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:01:33 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



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

26.162min (-0.153) 0.31ng/ul

response 49389

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	38.96#
277.00	23.40	53.83#
0.00	0.00	0.00

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

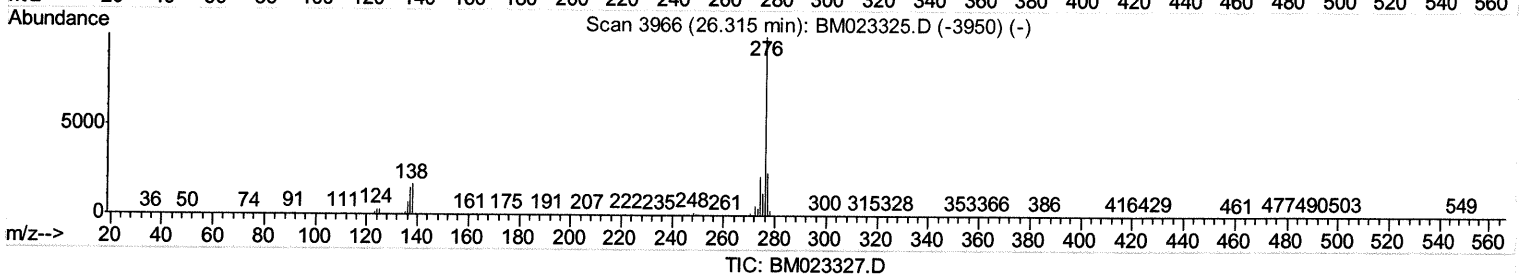
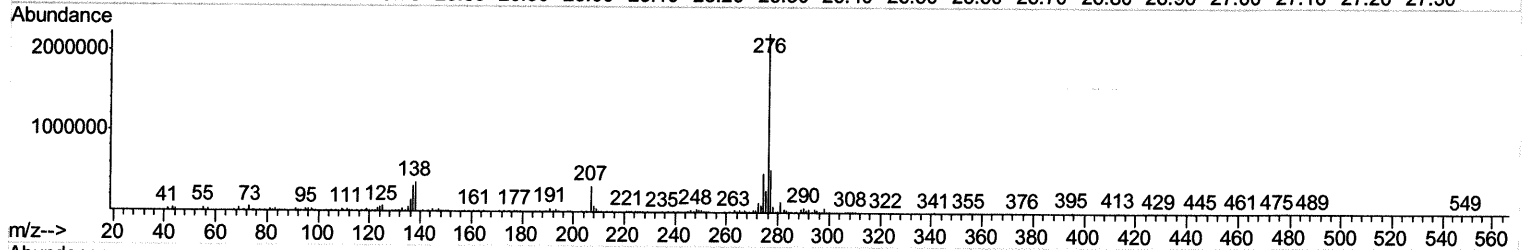
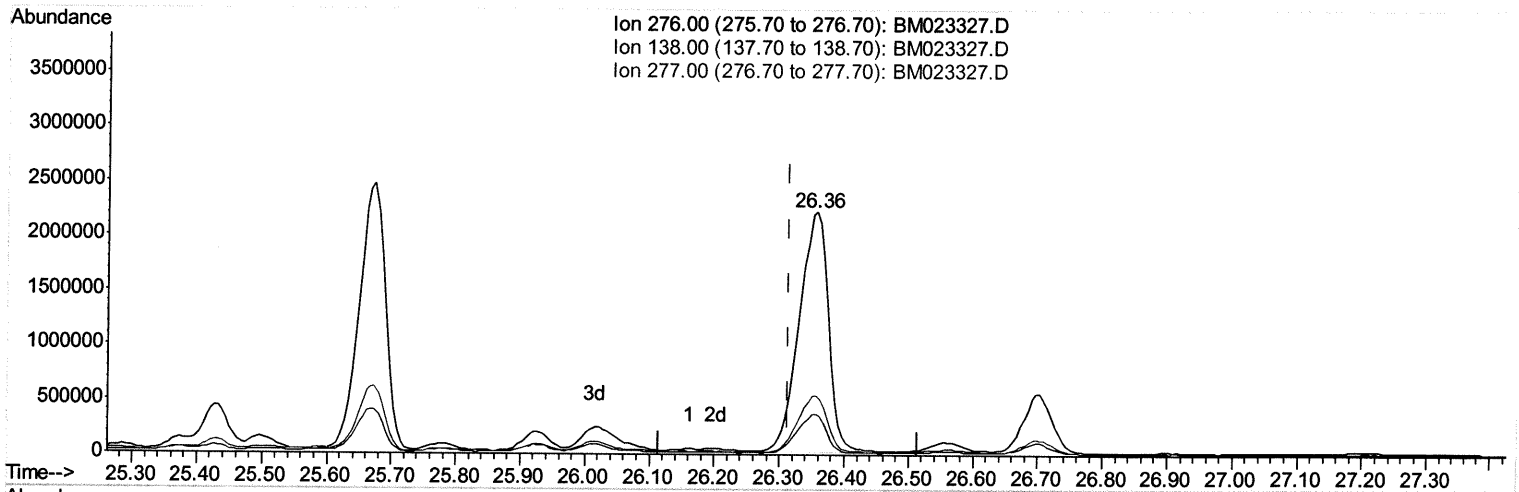
Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB85

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:01:33 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



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

26.356min (+0.041) 43.29ng/ul m

response 6956221

JU 10.23.19

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	16.68
277.00	23.40	24.16
0.00	0.00	0.00

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

Data File : BM023327.D
Acq On : 22 Oct 2019 20:08
Operator : JU
Sample : K5354-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

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Manual Integrations
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mohammad
10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:03:44 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	397701	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	1563382	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	969596	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2081910	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2315150	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	2820214m	20.00	ng/ul	0.01

JU 10.23.19

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	33857	3.75	ng/uL	0.00
5) Phenol-d5	6.82	99	704225	20.33	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.98	67	393651	20.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	560153	21.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	562400	20.21	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	264990	25.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	290596	28.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	564666	22.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	114125	3.66	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1694720	22.81	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	2051661	23.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	268522	22.32	ng/ul	0.00
58) Fluorene-d10	15.29	176	1520972	24.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	157667	19.10	ng/ul	0.00
71) Anthracene-d10	17.13	188	2433031	24.24	ng/ul	0.00
79) Pyrene-d10	19.44	212	2716021	24.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	3436952	24.04	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	6.85	94	73514	2.058 ng/ul	97
28) Naphthalene	10.47	128	576660	7.136 ng/ul	99
34) 2-Methylnaphthalene	12.09	142	230147	3.827 ng/ul	100
41) 1,1'-Biphenyl	13.12	154	107764	1.461 ng/ul	96
45) Dimethylphthalate	13.76	163	780294	10.492 ng/ul	99
48) Acenaphthylene	14.01	152	2535704	28.458 ng/ul	100
50) Acenaphthene	14.36	153	265883	4.285 ng/ul	98
54) Dibenzofuran	14.69	168	103568	1.176 ng/ul	90
59) Fluorene	15.34	166	311172m	4.306 ng/ul	97
70) Phenanthrene	17.08	178	3109545	26.614 ng/ul	98
72) Anthracene	17.17	178	1624446	13.454 ng/ul	99
77) Fluoranthene	19.10	202	6715592	48.329 ng/ul	99
80) Pyrene	19.47	202	9698732	66.872 ng/ul	99
83) Benzo(a)anthracene	21.22	228	7339137m	46.785 ng/ul	97
85) Chrysene	21.27	228	8043090	55.219 ng/ul	95
88) Benzo(b)fluoranthene	22.79	252	10457813	61.160 ng/ul	98
89) Benzo(k)fluoranthene	22.83	252	2872451m	17.495 ng/ul	97
91) Benzo(a)pyrene	23.36	252	8838418	53.876 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.67	276	6820677m	34.949 ng/ul	97
93) Dibenzo(a,h)anthracene	25.67	278	2295135m	14.065 ng/ul	97
94) Benzo(g,h,i)perylene	26.36	276	6956221m	43.292 ng/ul	97

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