

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (QT Reviewed)

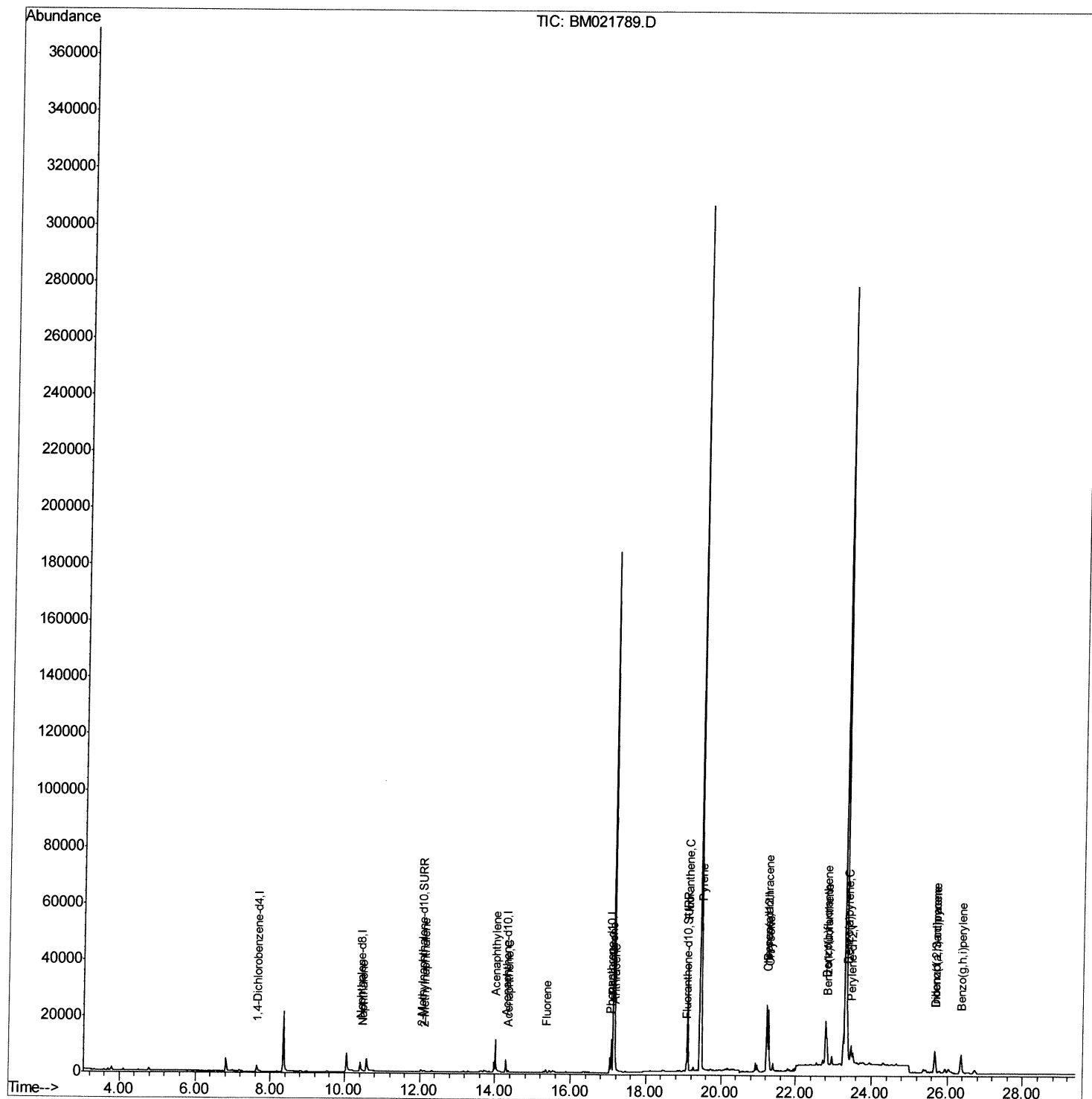
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:57:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

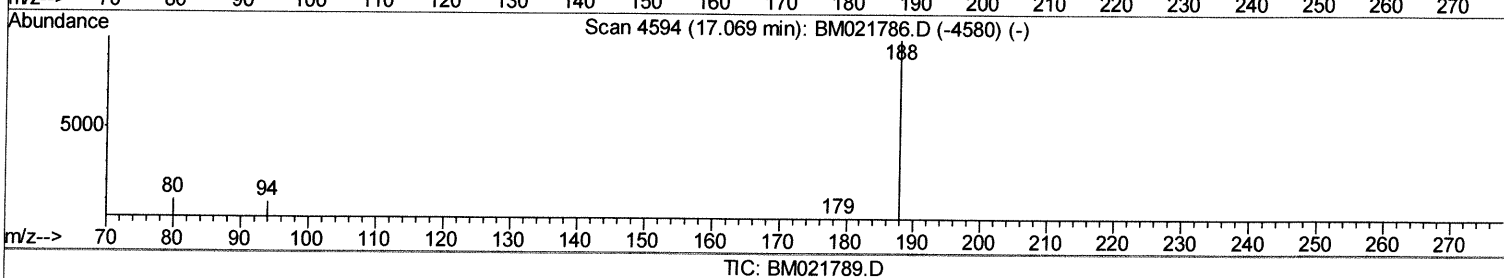
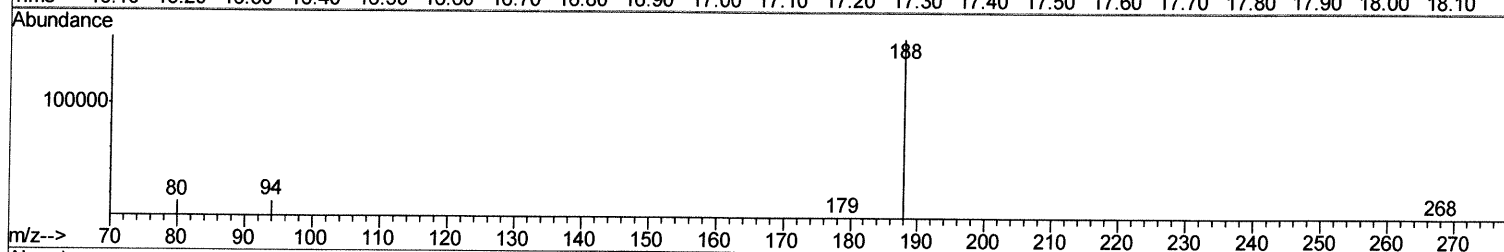
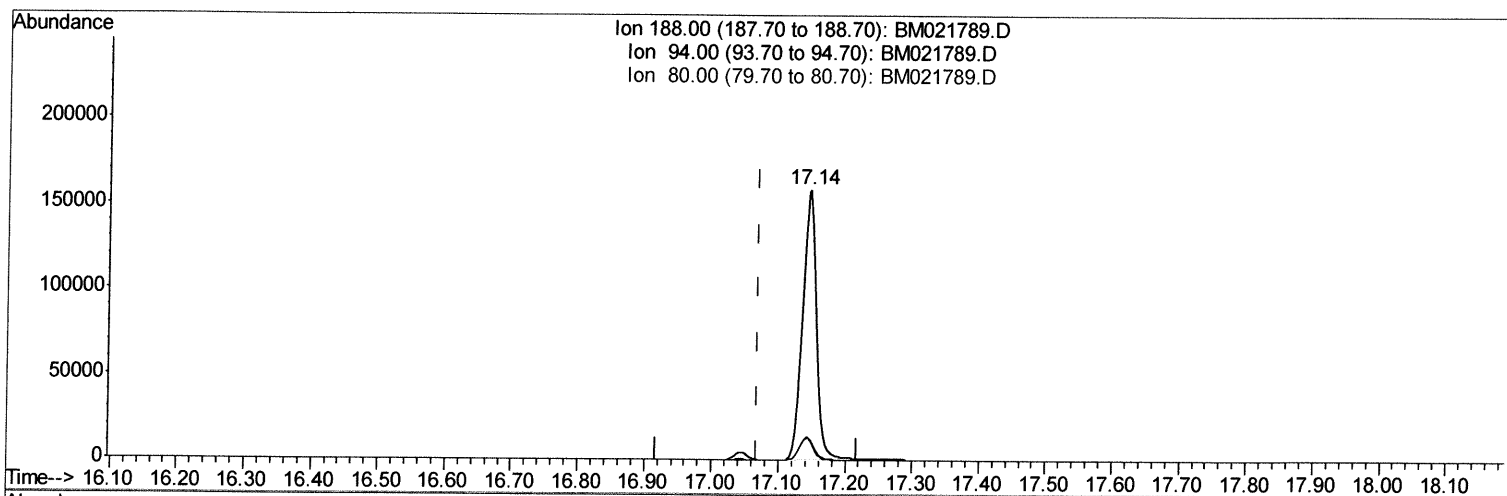
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:27:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)
17.145min (+0.076) 0.40ng/ul
response 231397

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.35
80.00	11.40	7.98#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

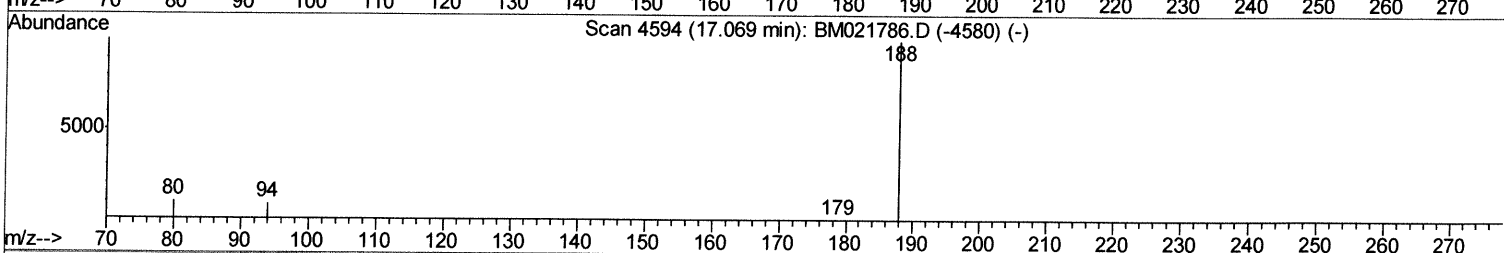
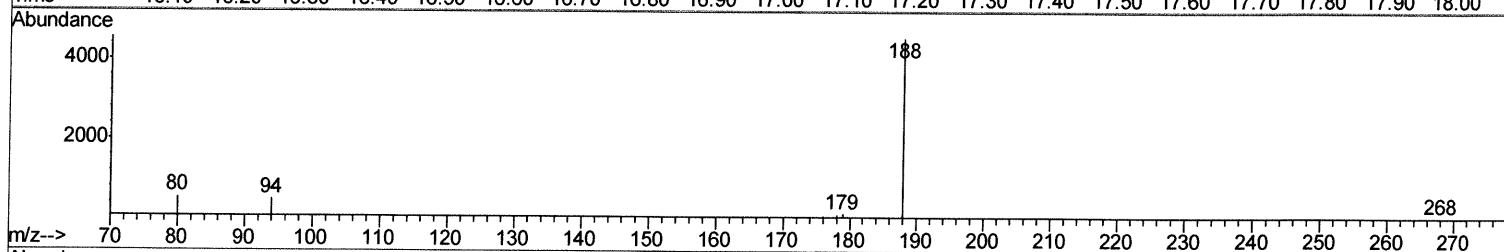
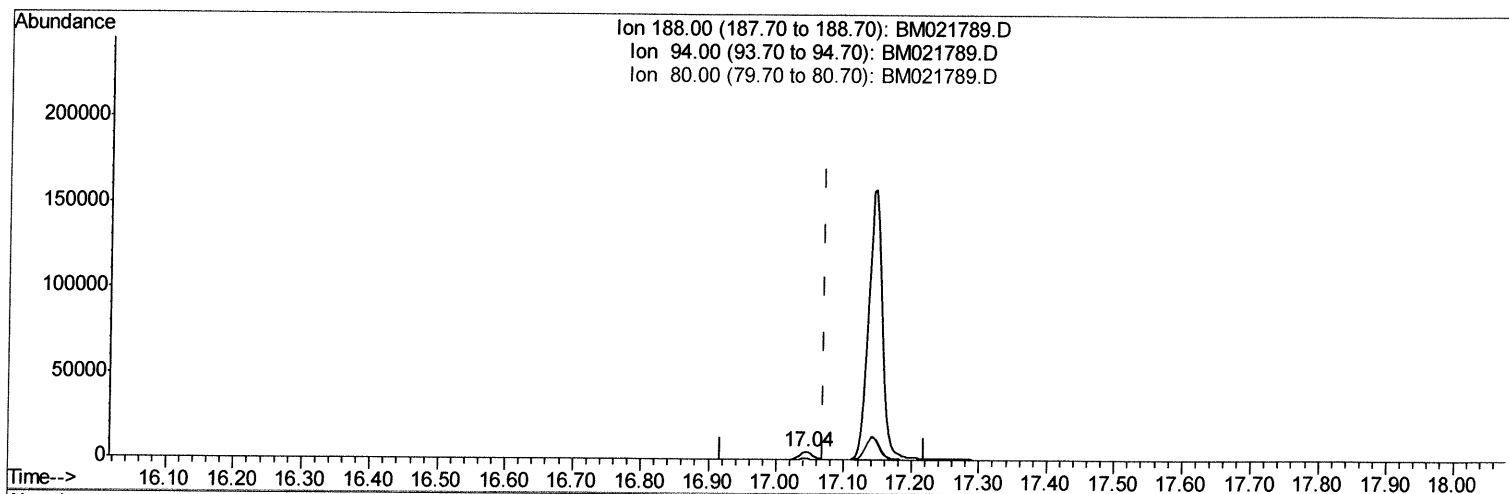
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

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Quant Time: Aug 04 04:27:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(10) Phenanthrene-d10 (I)

17.044min (-0.024) 0.40ng/ul m *JU* 08/05/19

response 6438

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.35
80.00	11.40	11.30
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

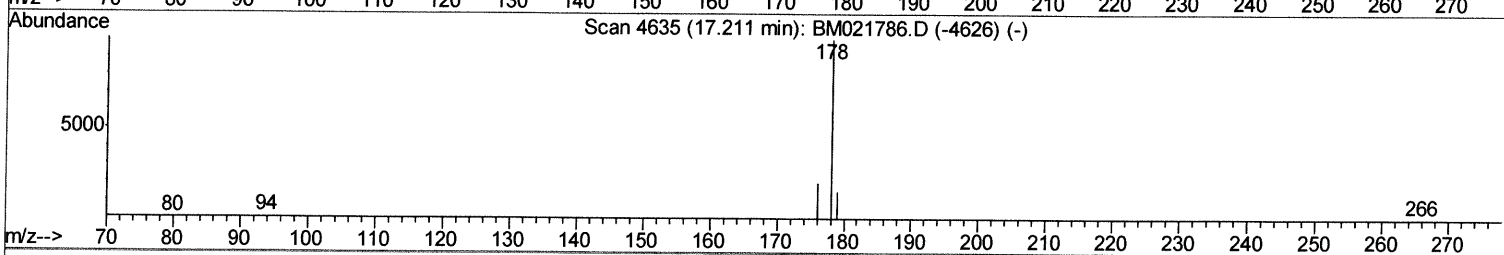
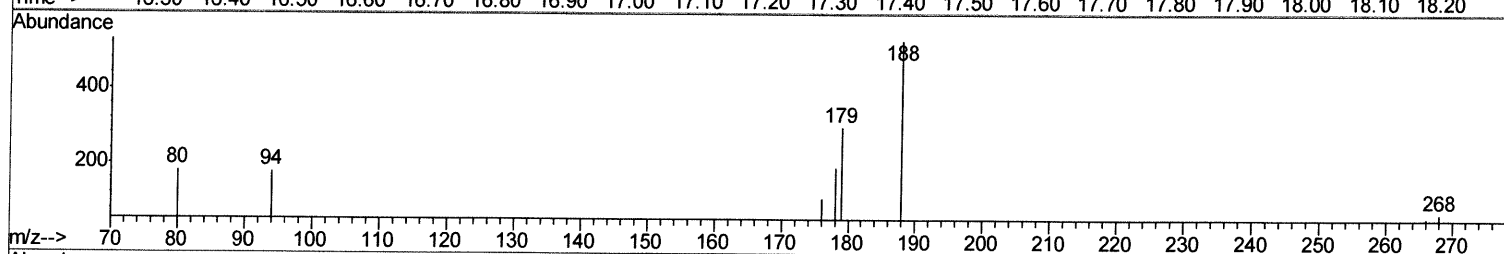
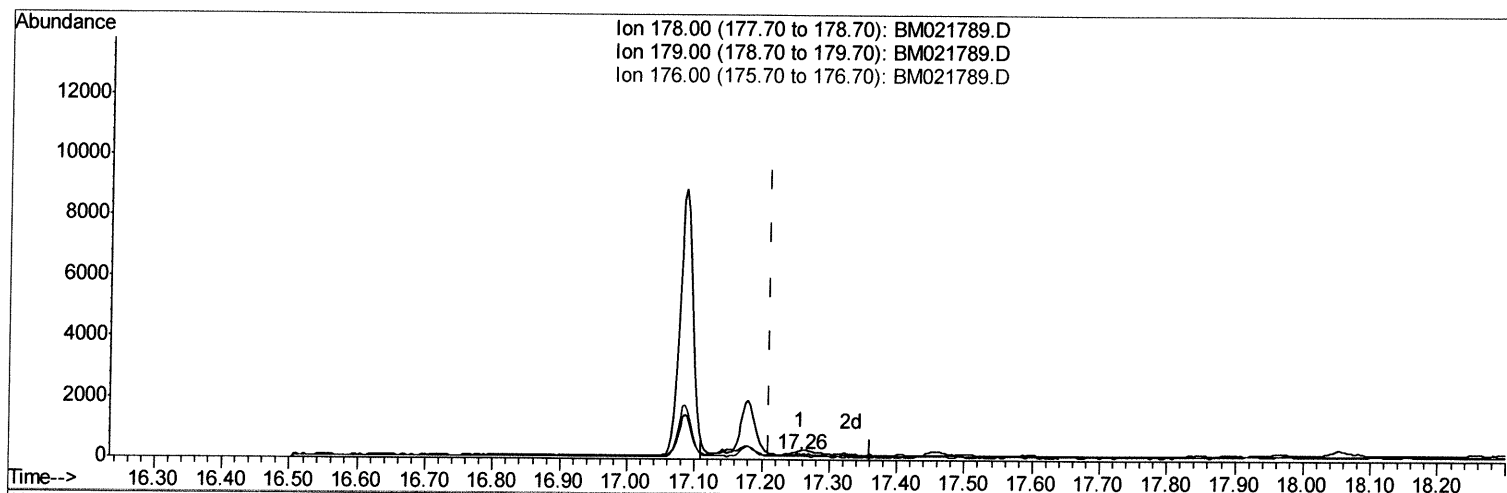
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:27:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(13) Anthracene

17.256min (+0.045) 0.01ng/ul

response 130

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	158.20#
176.00	20.80	56.61#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

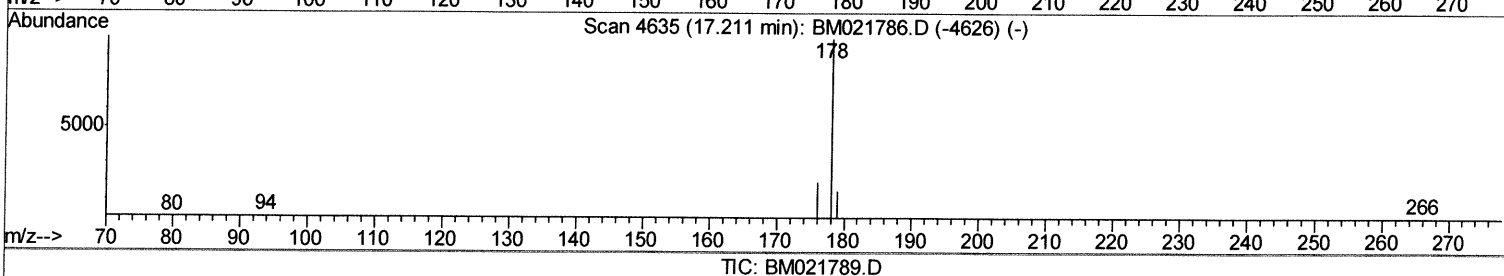
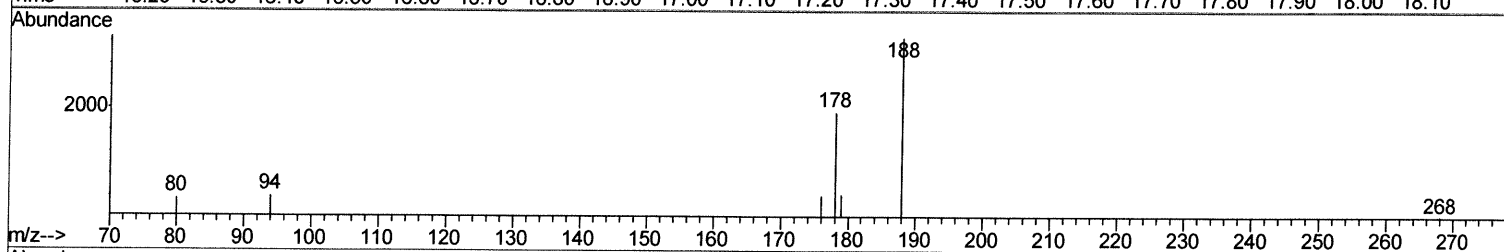
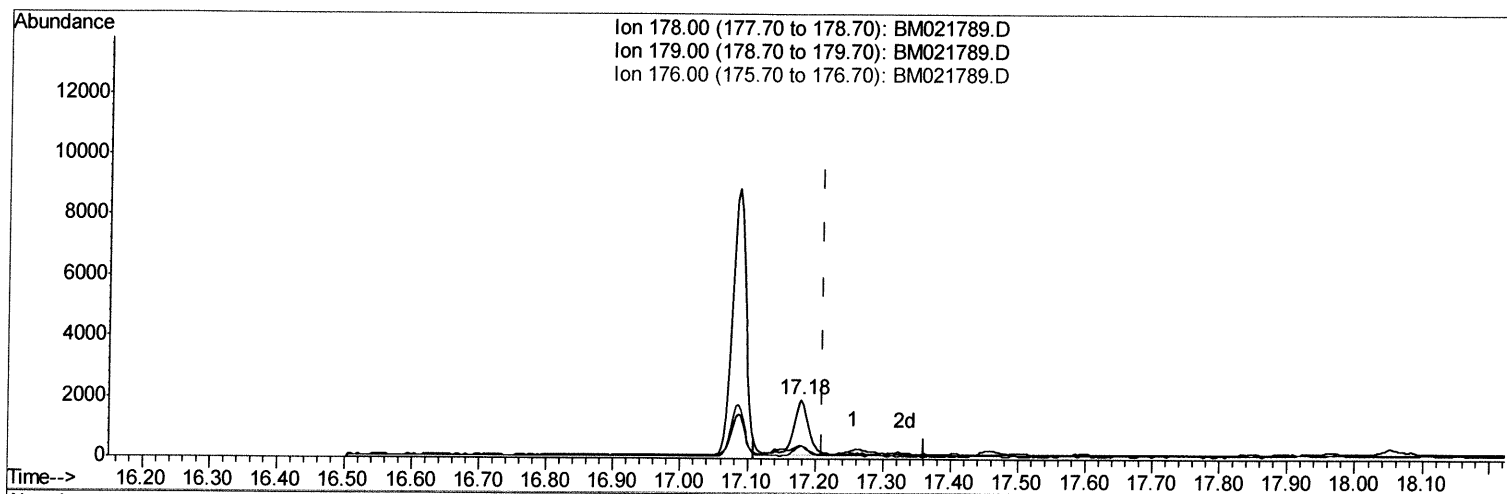
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:27:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(13) Anthracene

17.180min (-0.031) 0.17ng/ul m *JU* 08/05/19

response 2786

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	23.05
176.00	20.80	22.69
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

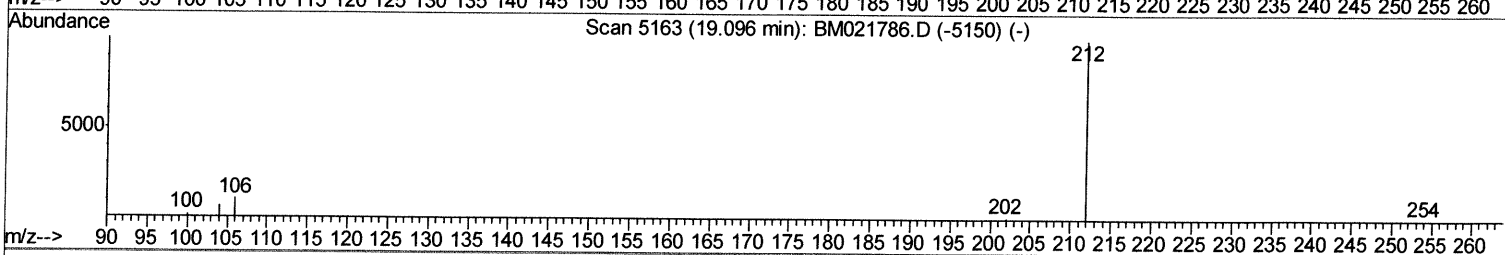
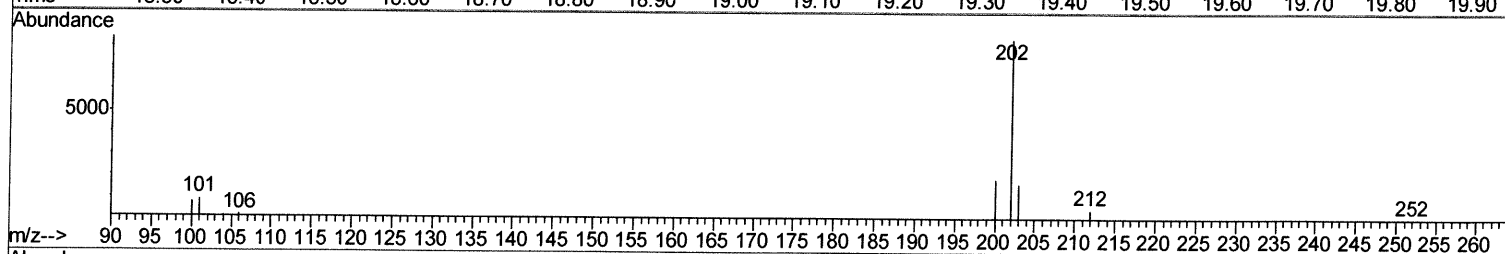
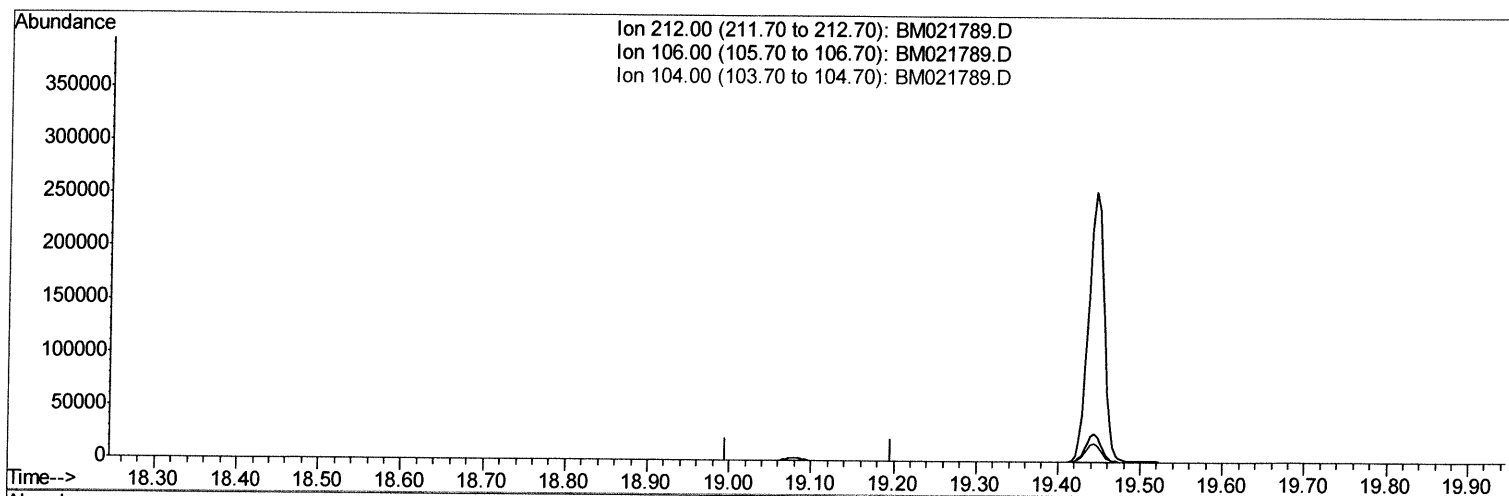
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:27:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(14) Fluoranthene-d10 (SURR)

19.096min (-19.096) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

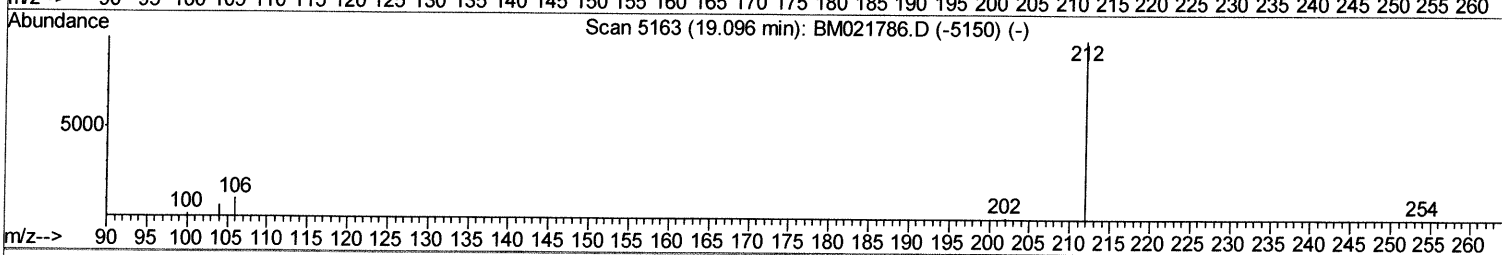
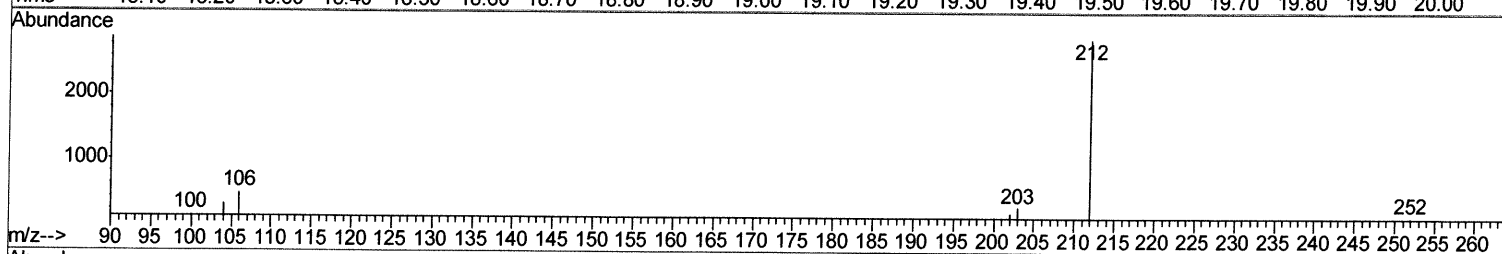
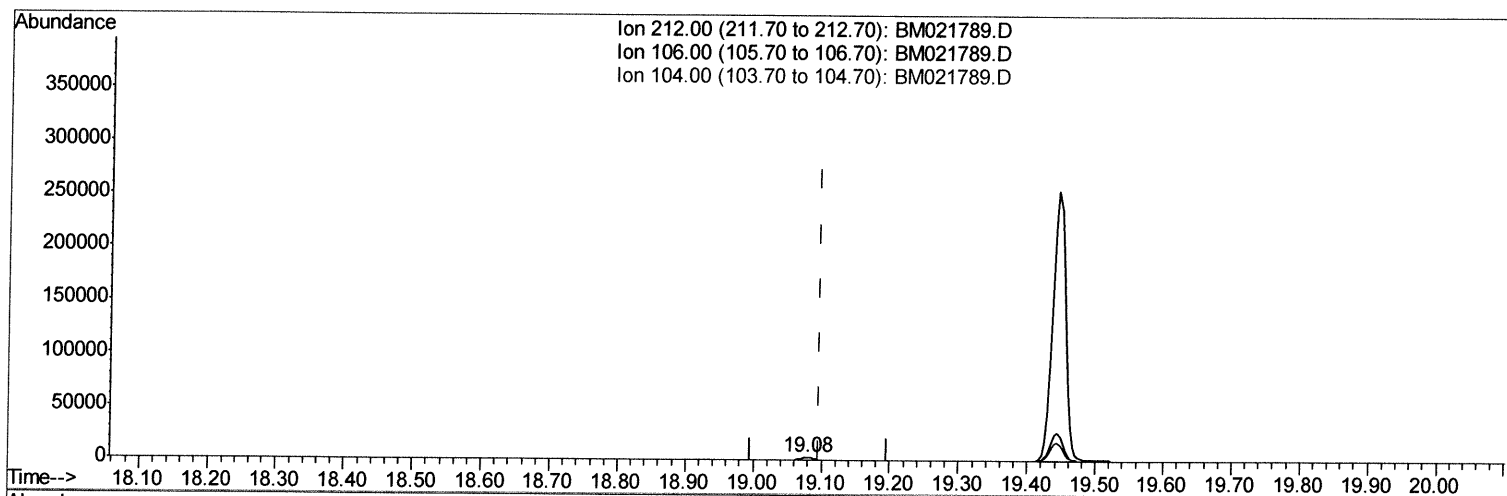
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:54:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(14) Fluoranthene-d10 (SURR)

19.077min (-0.019) 0.18ng/ul m *Jo 08/05/19*

response 3812

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

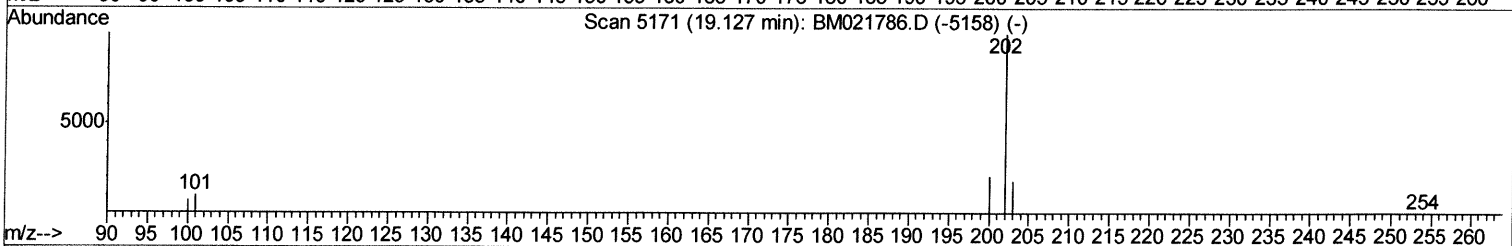
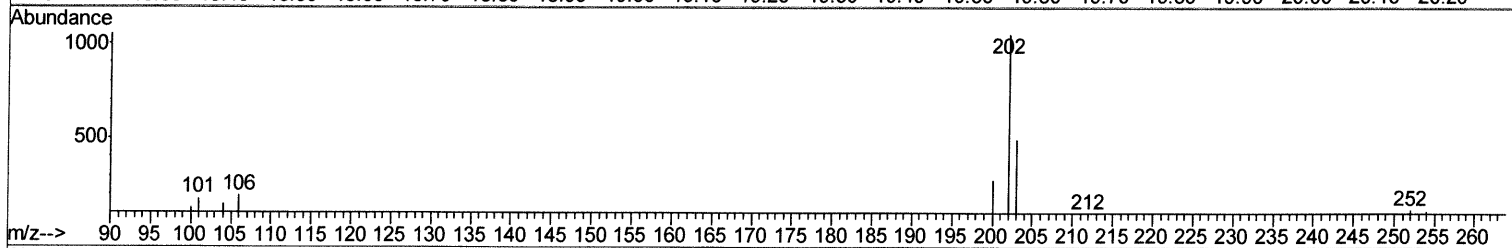
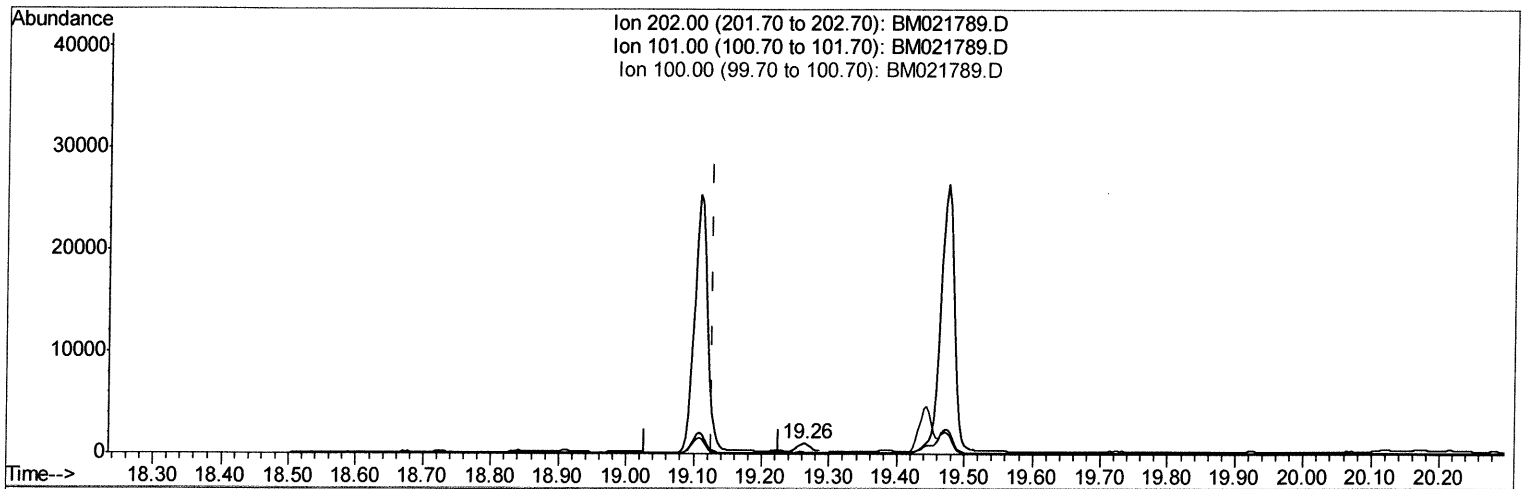
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
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mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:54:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(15) Fluoranthene (C)

19.264min (+0.137) 0.04ng/ul

response 1085

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	16.71
100.00	8.10	12.35
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

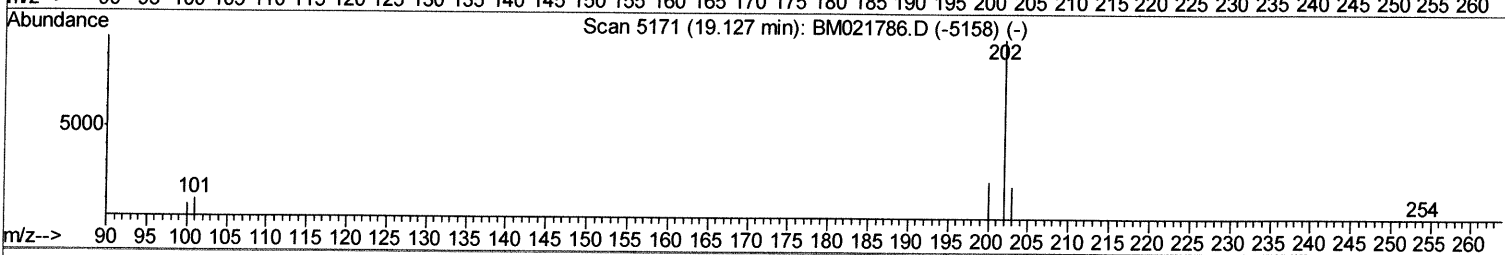
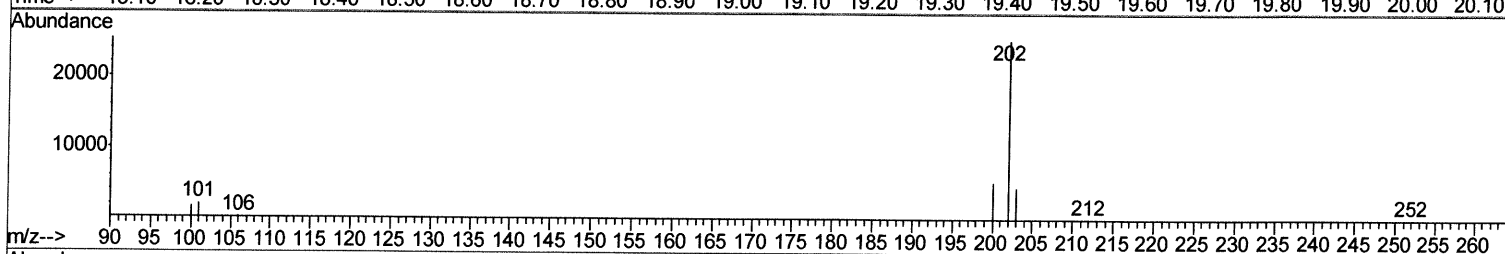
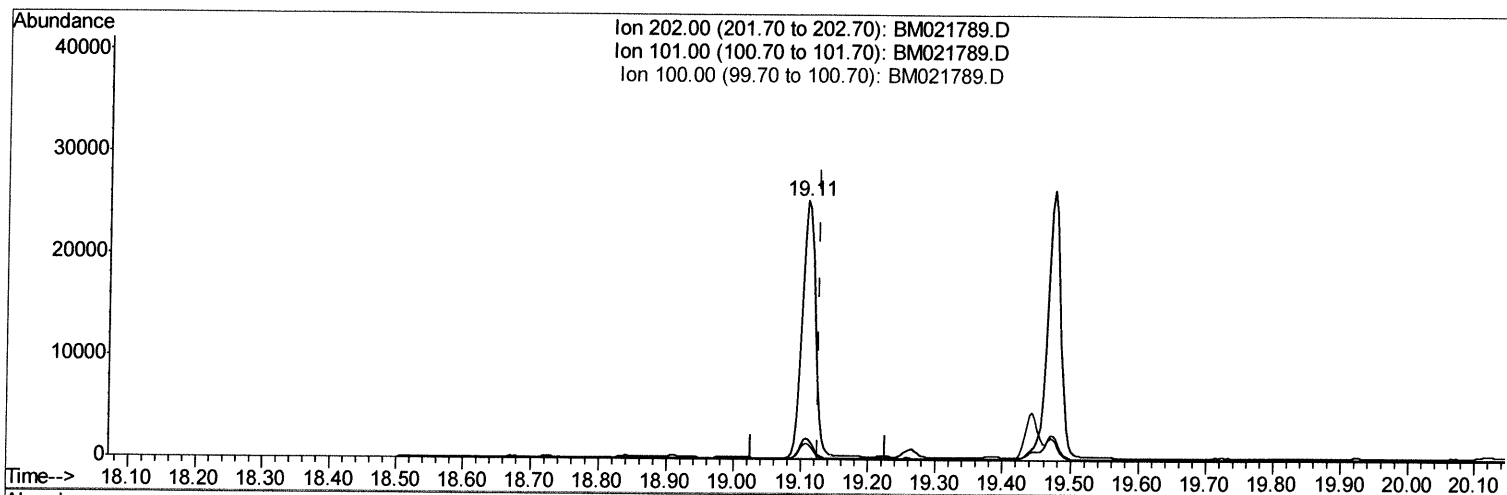
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:54:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(15) Fluoranthene (C)

19.108min (-0.019) 1.36ng/ul m *JU* 08/05/19

response 34012

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	8.15
100.00	8.10	6.38
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

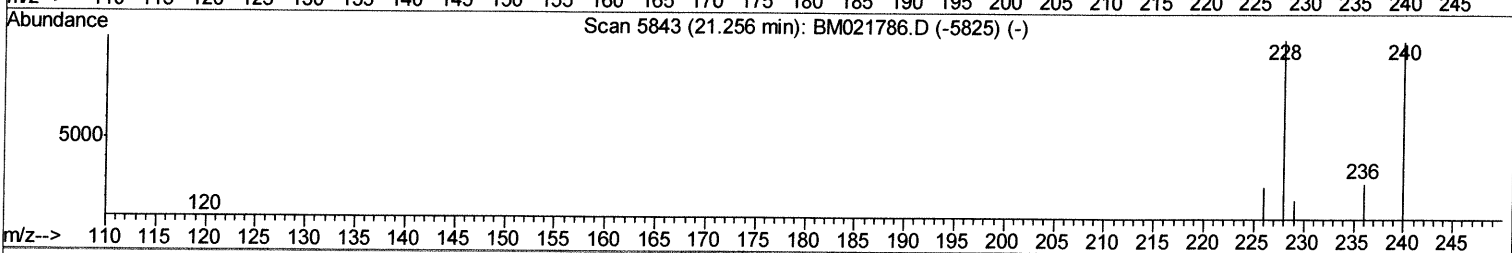
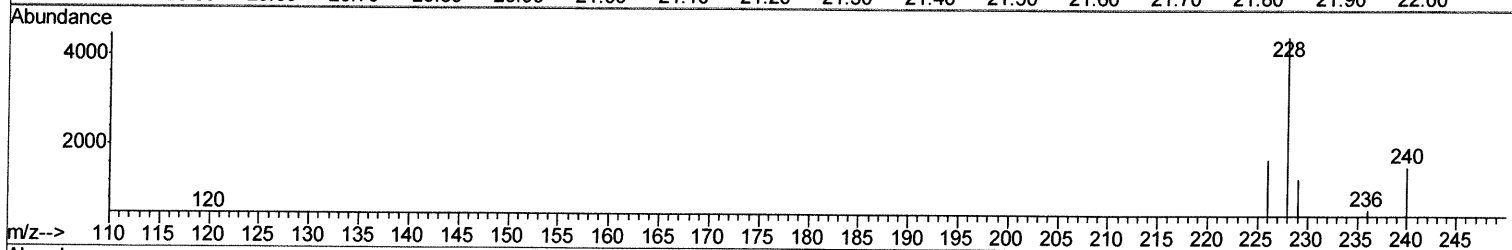
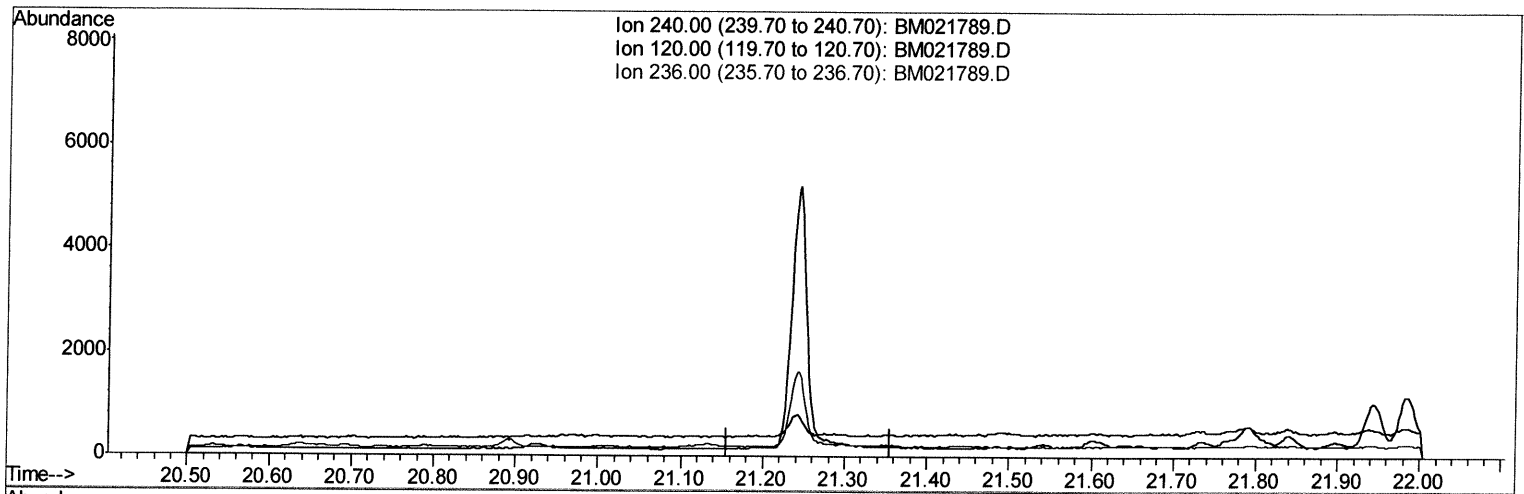
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:54:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(16) Chrysene-d12 (I)

21.256min (-21.256) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.20	0.00#
236.00	32.30	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

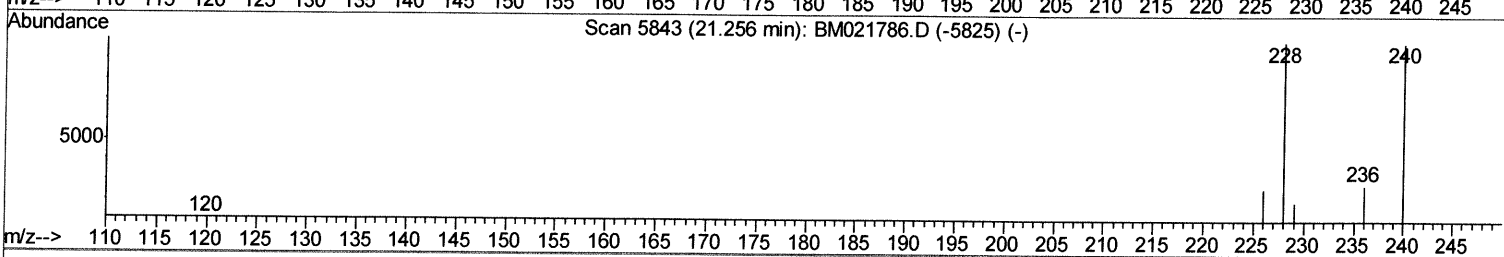
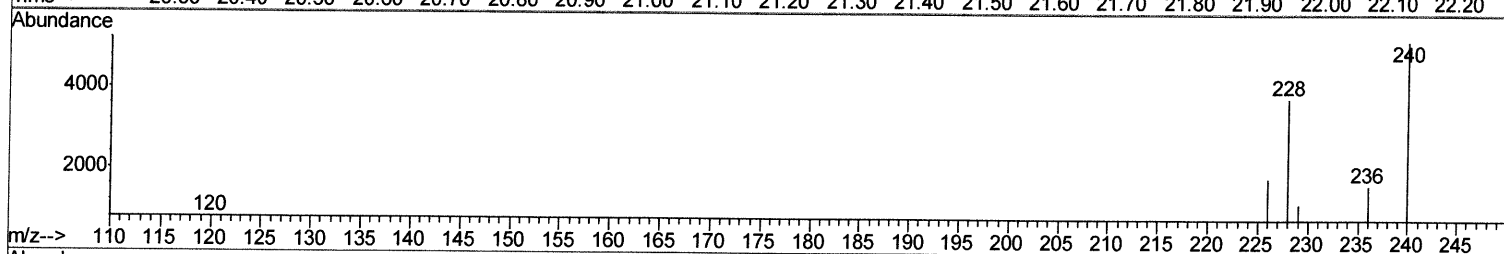
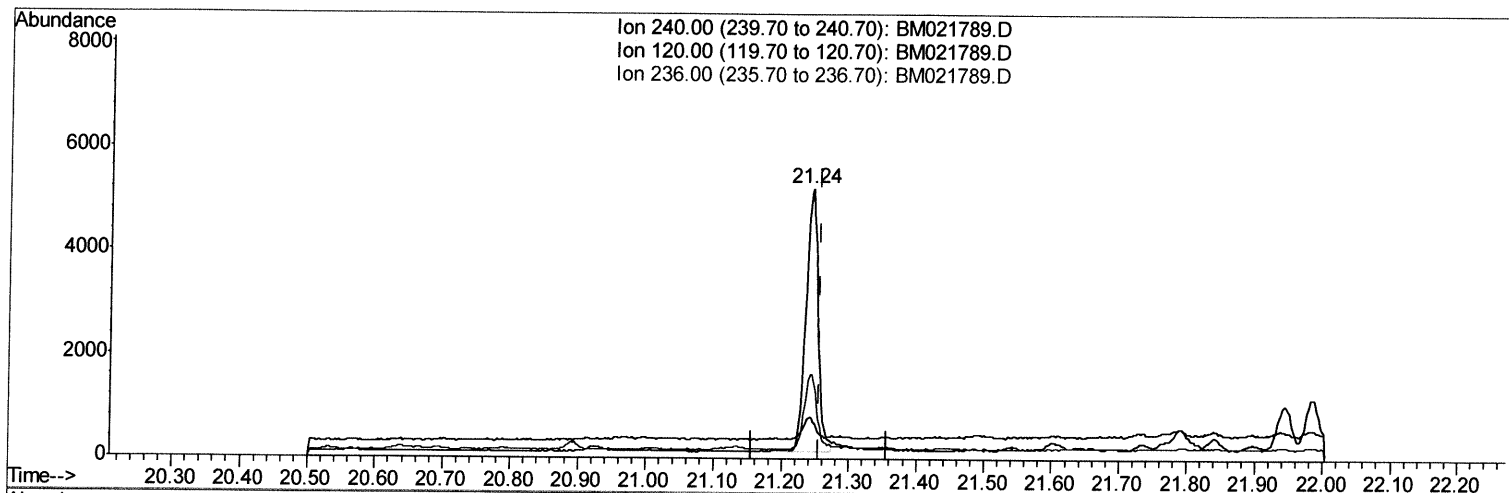
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:54:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(16) Chrysene-d12 (I)

21.244min (-0.012) 0.40ng/ul m *JU* 08/05/19

response 6457

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.15
236.00	32.30	31.37
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

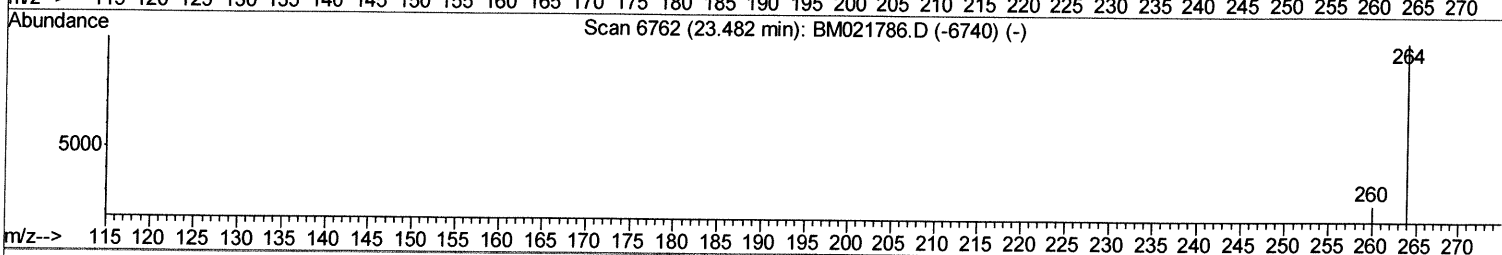
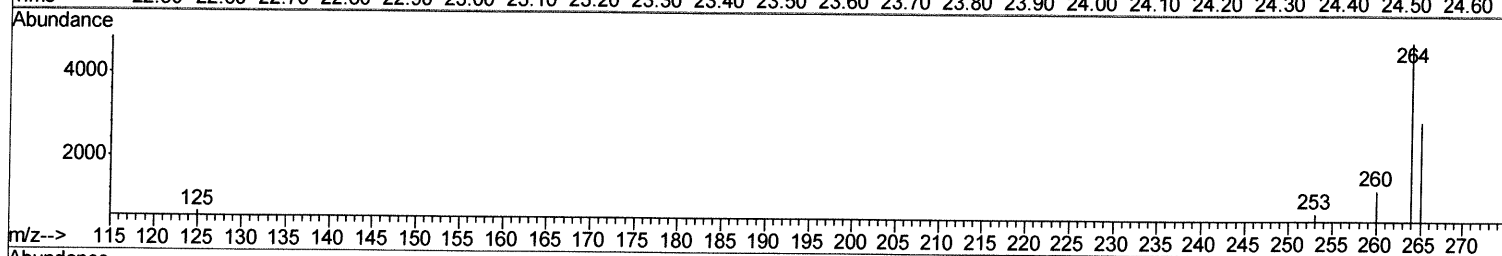
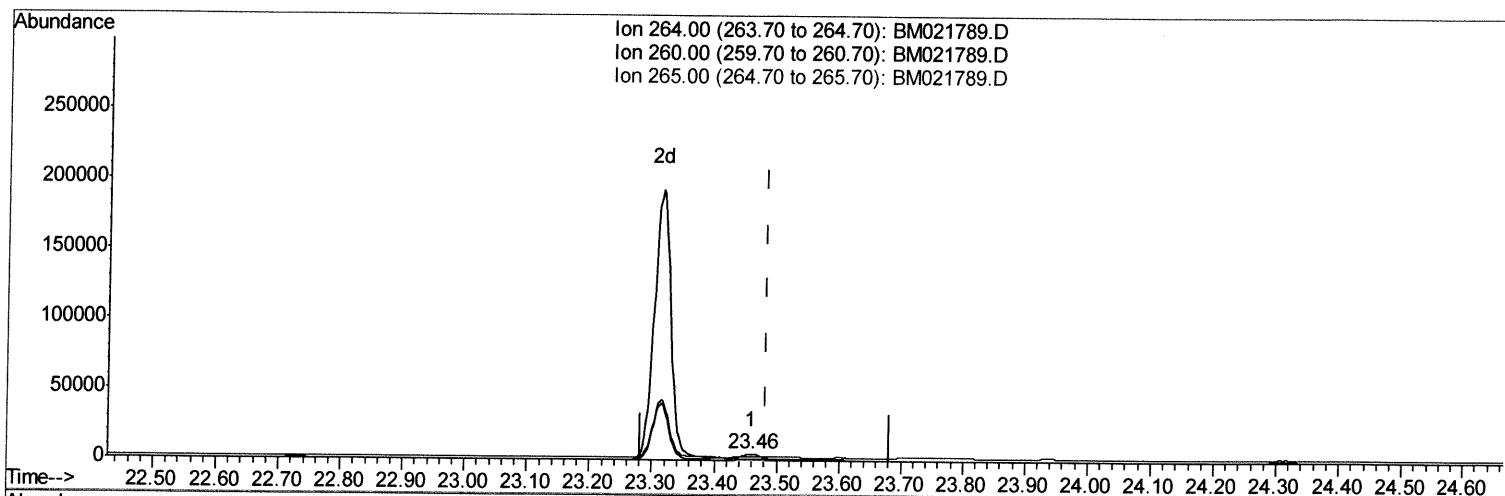
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:56:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(20) Perylene-d12 (I)

23.460min (-0.022) 0.40ng/ul

response 11478

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.65
265.00	117.00	60.64#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

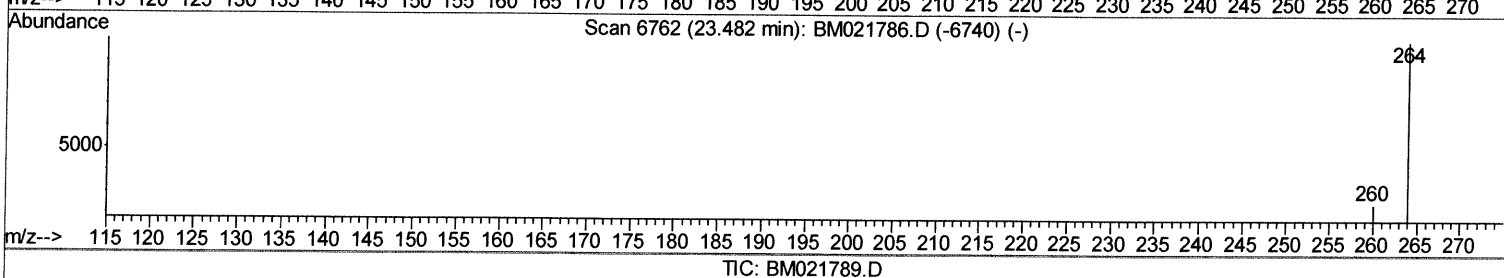
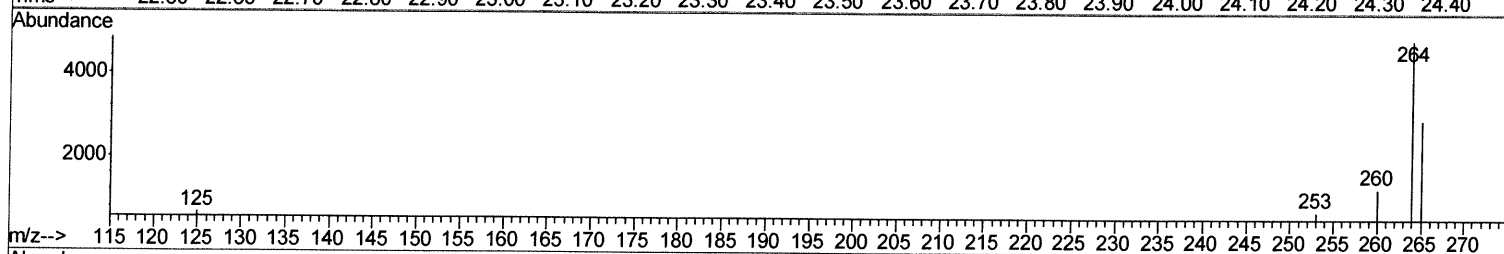
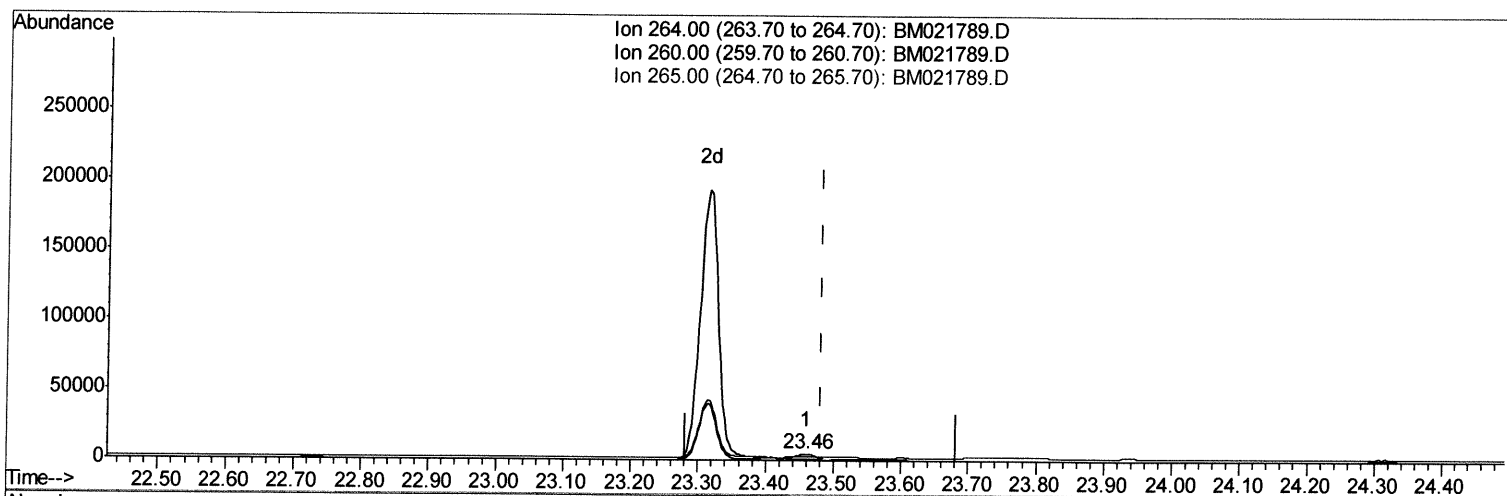
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:56:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(20) Perylene-d12 (I)

23.460min (-0.022) 0.40ng/ul m *JU* 08/05/19

response 7360

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.65
265.00	117.00	60.64#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

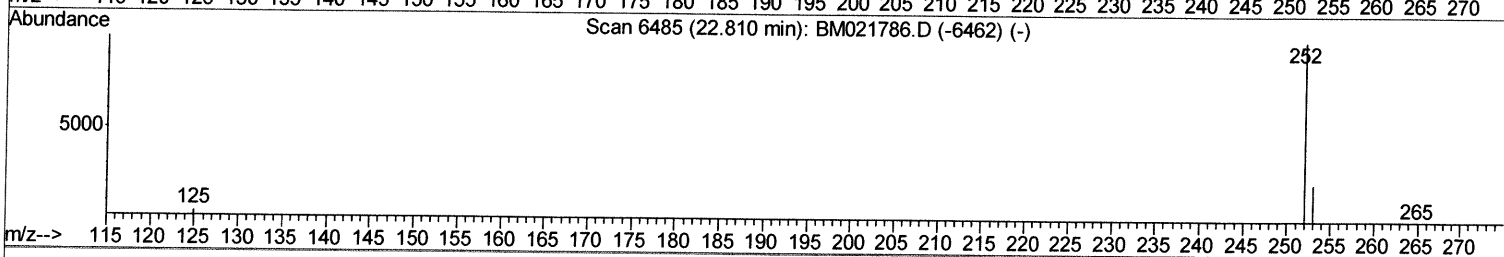
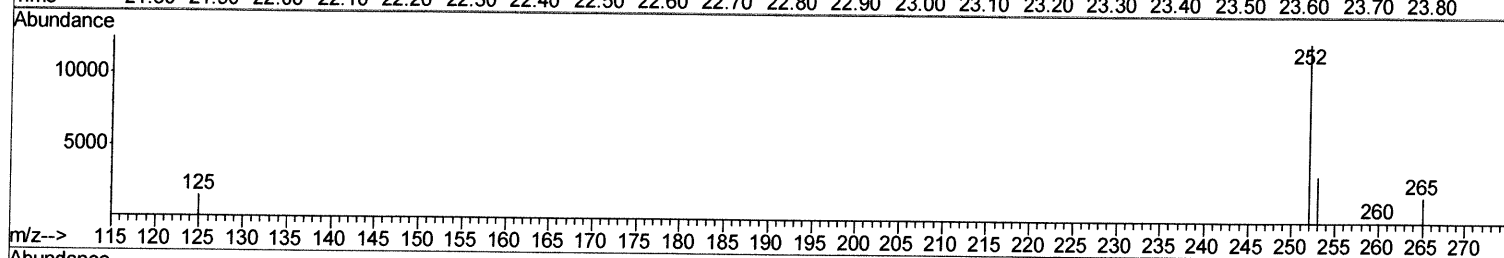
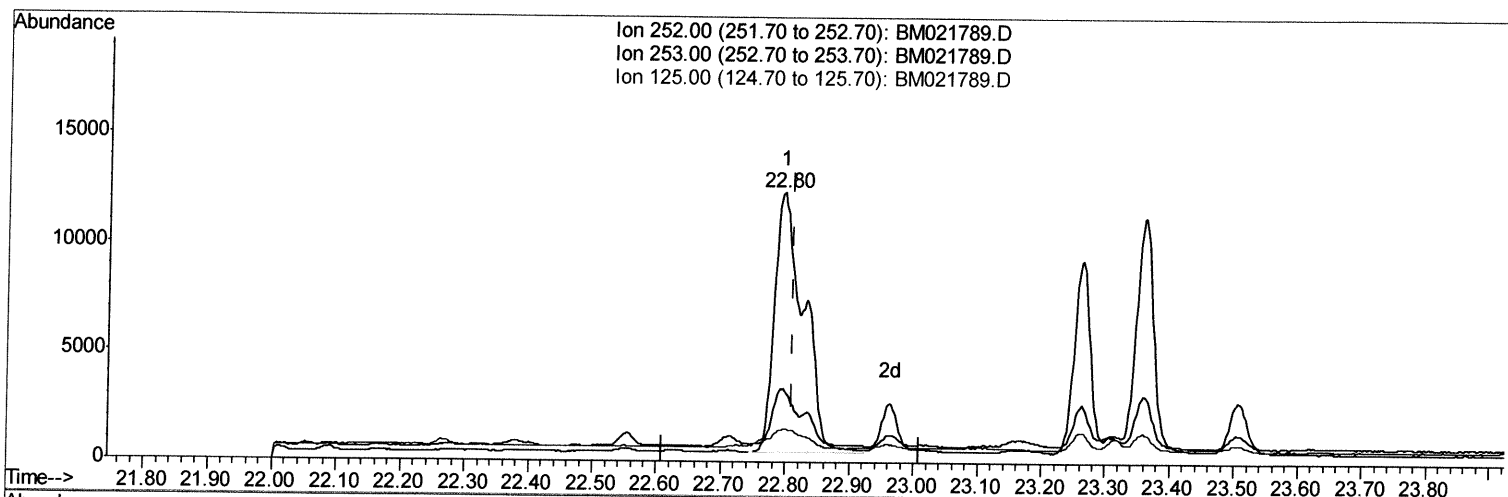
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:56:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(21) Benzo(b)fluoranthene

22.796min (-0.015) 1.51ng/ul

response 37577

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	27.18
125.00	15.50	12.46
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

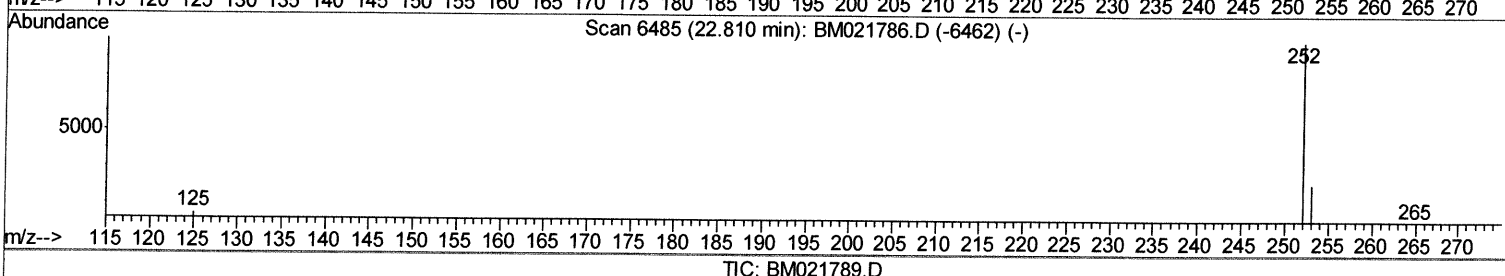
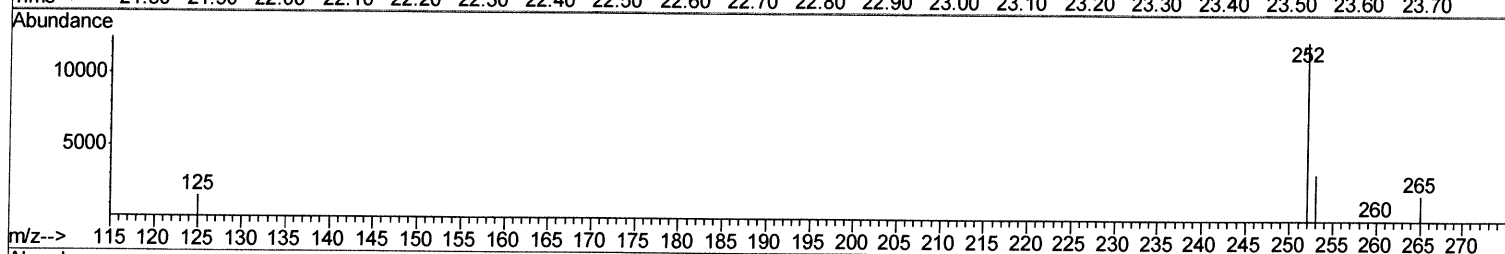
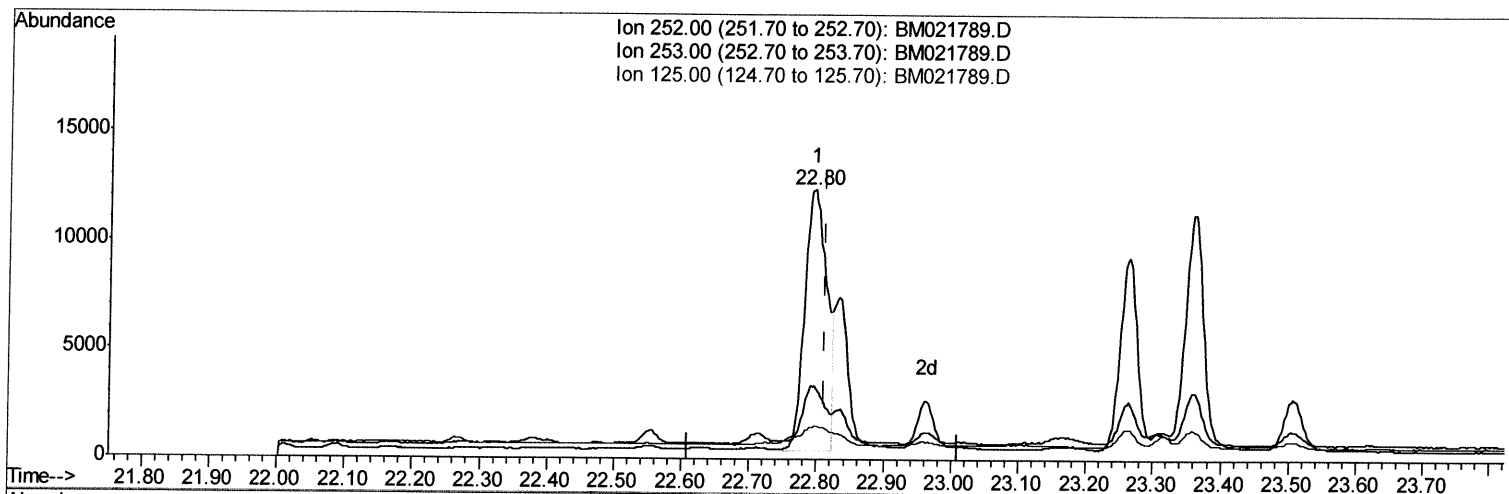
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:56:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.796min (-0.015) 1.10ng/ul m *JU* 08/05/19

response 27289

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	27.18
125.00	15.50	12.46
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

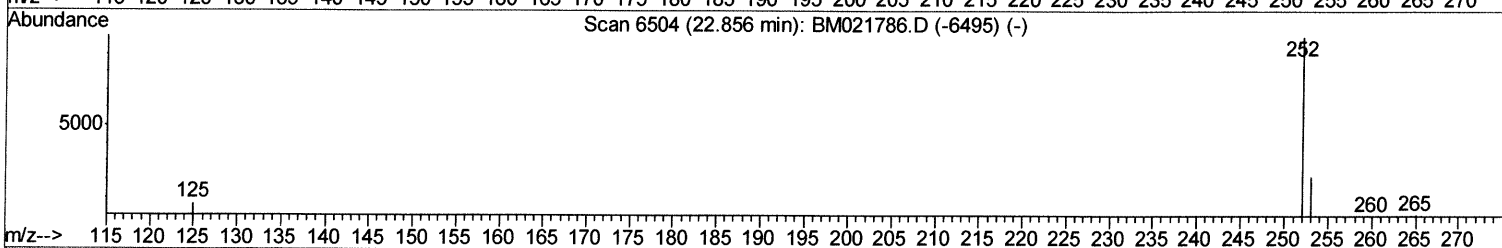
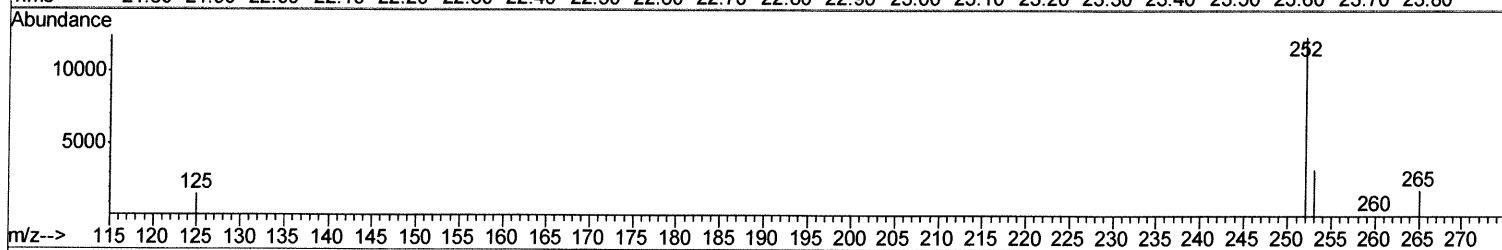
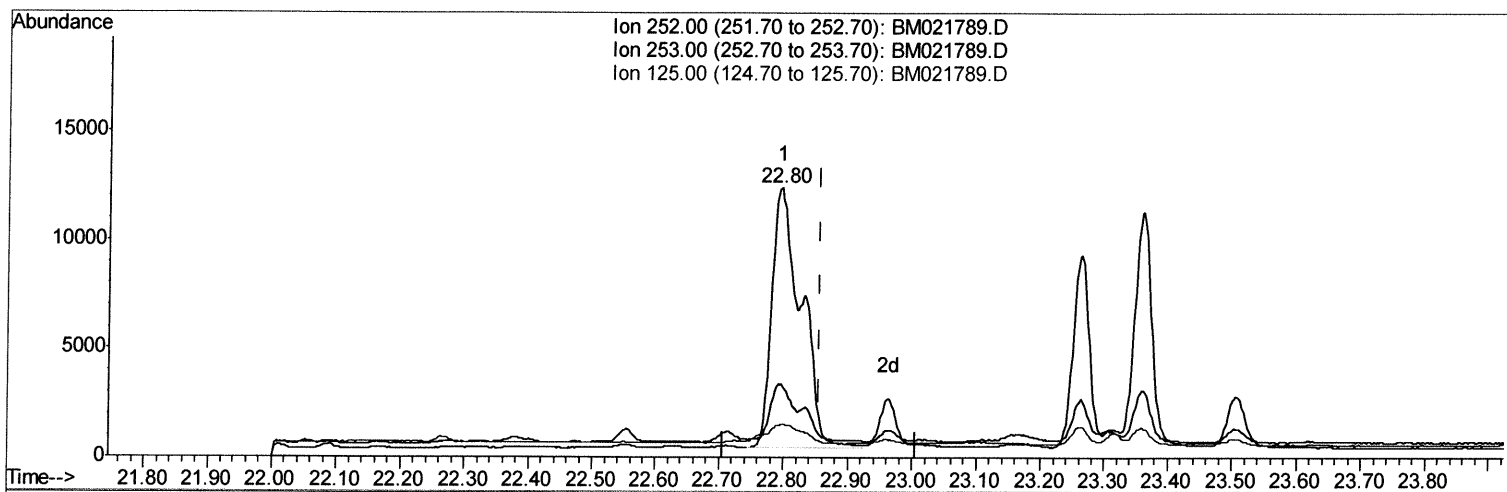
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:56:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(22) Benzo(k)fluoranthene

22.796min (-0.061) 1.34ng/ul

response 37577

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	27.18
125.00	15.20	12.46
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

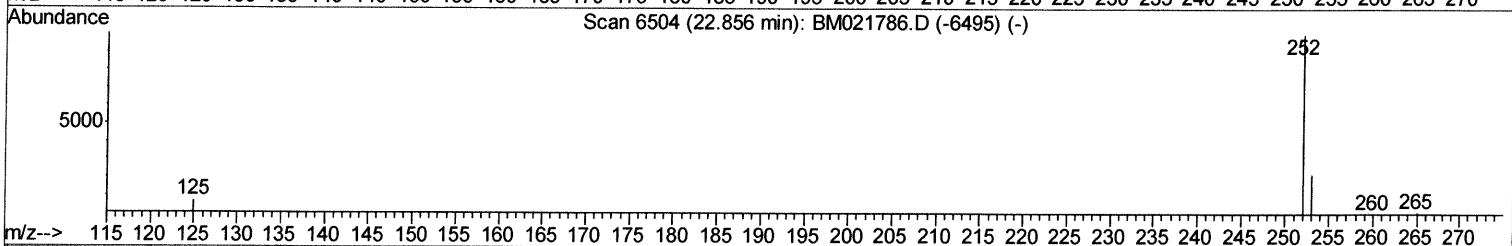
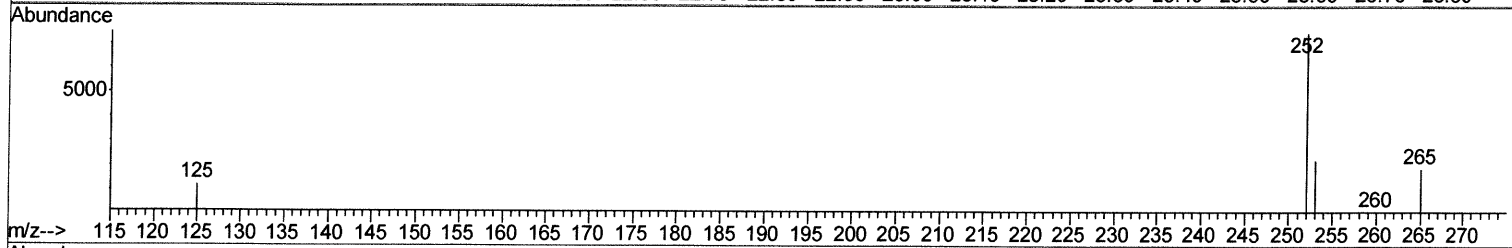
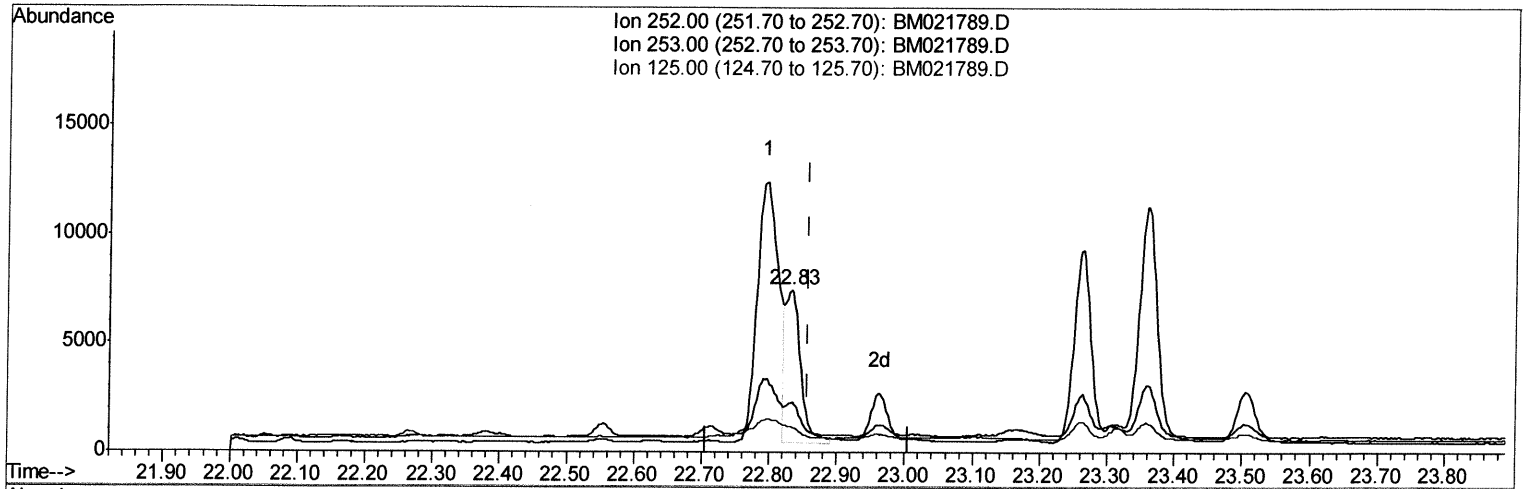
Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:56:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration



TIC: BM021789.D

(22) Benzo(k)fluoranthene

22.832min (-0.024) 0.41ng/ul m

JU 08/05/19

response 11414

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.28
125.00	15.20	15.98
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (QT Reviewed)

Data File : BM021789.D
Acq On : 04 Aug 2019 00:48
Operator : HP/JU
Sample : K3850-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENR7

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:06 PM

Quant Time: Aug 04 04:57:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 04 04:24:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1168	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.42	136	4373	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.29	164	2487	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	6438m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	6457m	0.40	ng/ul	-0.01
20) Perylene-d12	23.46	264	7360m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1009	0.14	ng/ul	-0.02
14) Fluoranthene-d10	19.08	212	3812m	0.18	ng/ul	-0.02
Target Compounds						
					Qvalue	
3) Naphthalene	10.47	128	480	0.039	ng/ul#	71
5) 2-Methylnaphthalene	12.11	142	232	0.028	ng/ul	93
7) Acenaphthylene	14.01	152	1257	0.108	ng/ul#	91
8) Acenaphthene	14.35	153	361	0.038	ng/ul#	93
9) Fluorene	15.35	166	632	0.060	ng/ul#	92
12) Phenanthrene	17.09	178	12413	0.663	ng/ul	97
13) Anthracene	17.18	178	2786m	0.174	ng/ul	97
15) Fluoranthene	19.11	202	34012m	1.355	ng/ul	97
17) Pyrene	19.47	202	36873	1.390	ng/ul	97
18) Benzo(a)anthracene	21.23	228	20214	0.875	ng/ul	98
19) Chrysene	21.28	228	23478	0.790	ng/ul	98
21) Benzo(b)fluoranthene	22.80	252	27289m	1.100	ng/ul	98
22) Benzo(k)fluoranthene	22.83	252	11414m	0.406	ng/ul	98
23) Benzo(a)pyrene	23.36	252	20226	0.801	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.68	276	13988	0.464	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.68	278	3403	0.140	ng/ul#	79
26) Benzo(g,h,i)perylene	26.36	276	14463	0.533	ng/ul	98

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