

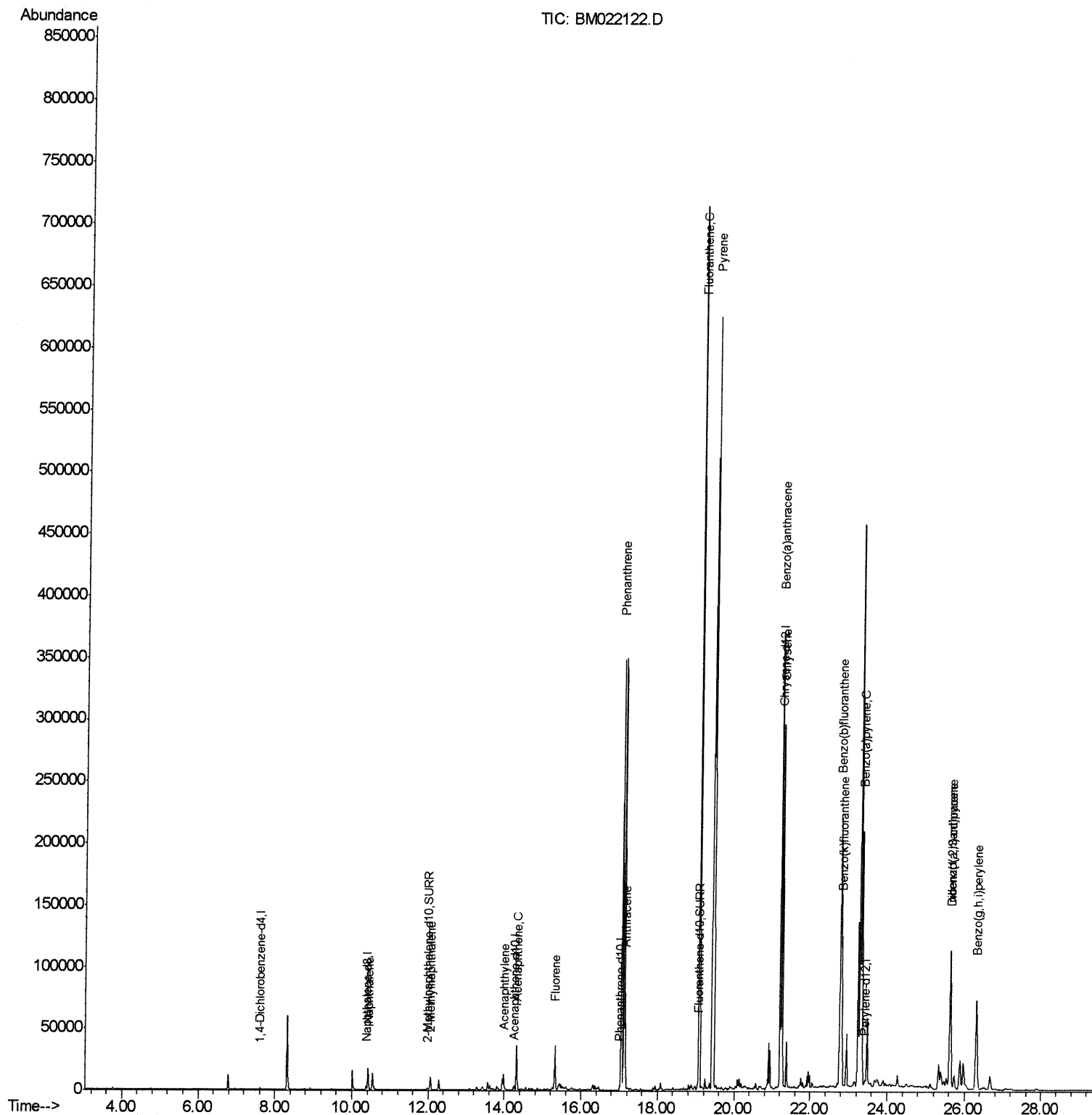
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:32:56 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



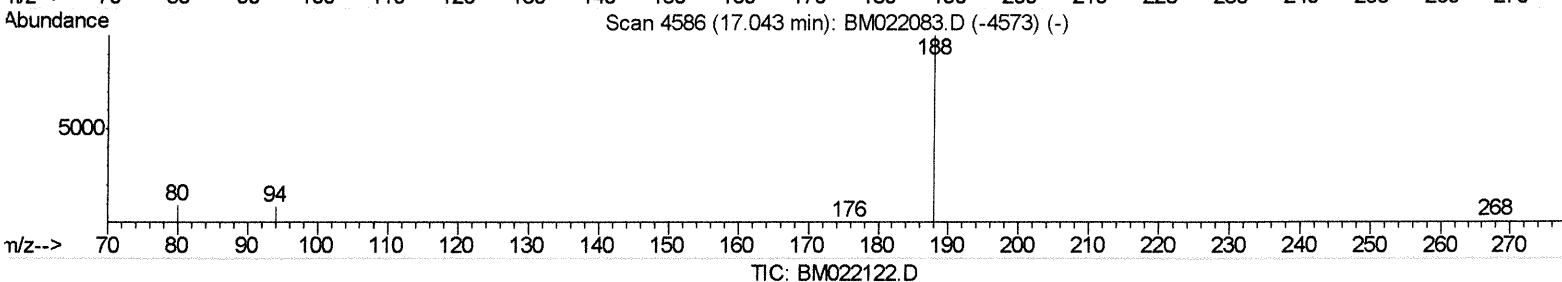
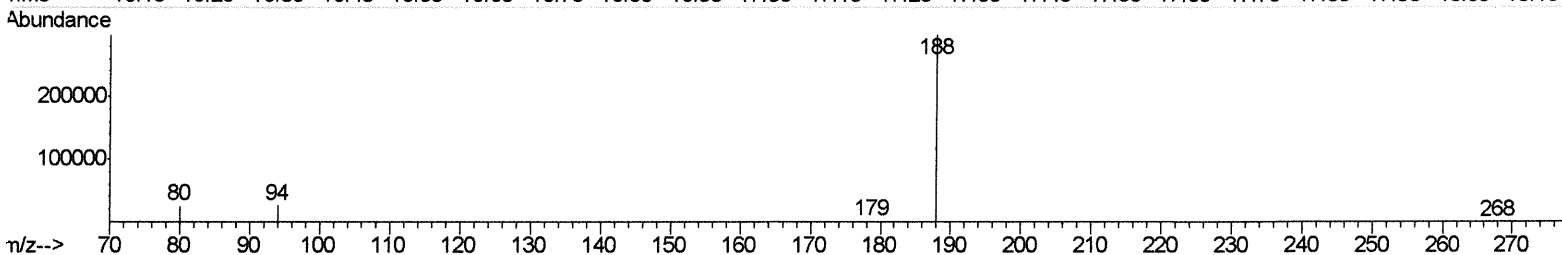
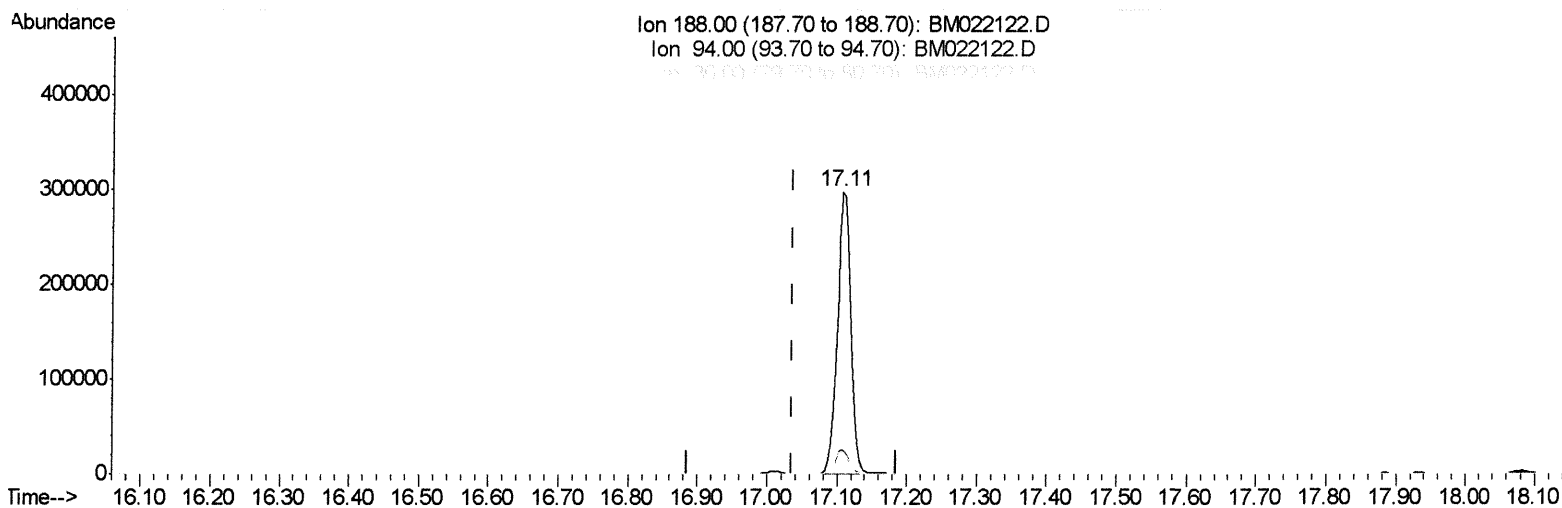
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
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Instrument :
 BNA_M
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Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:27 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)
 17.107min (+0.071) 0.40ng/ul
 response 400909

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.81
80.00	11.40	8.36#
0.00	0.00	0.00

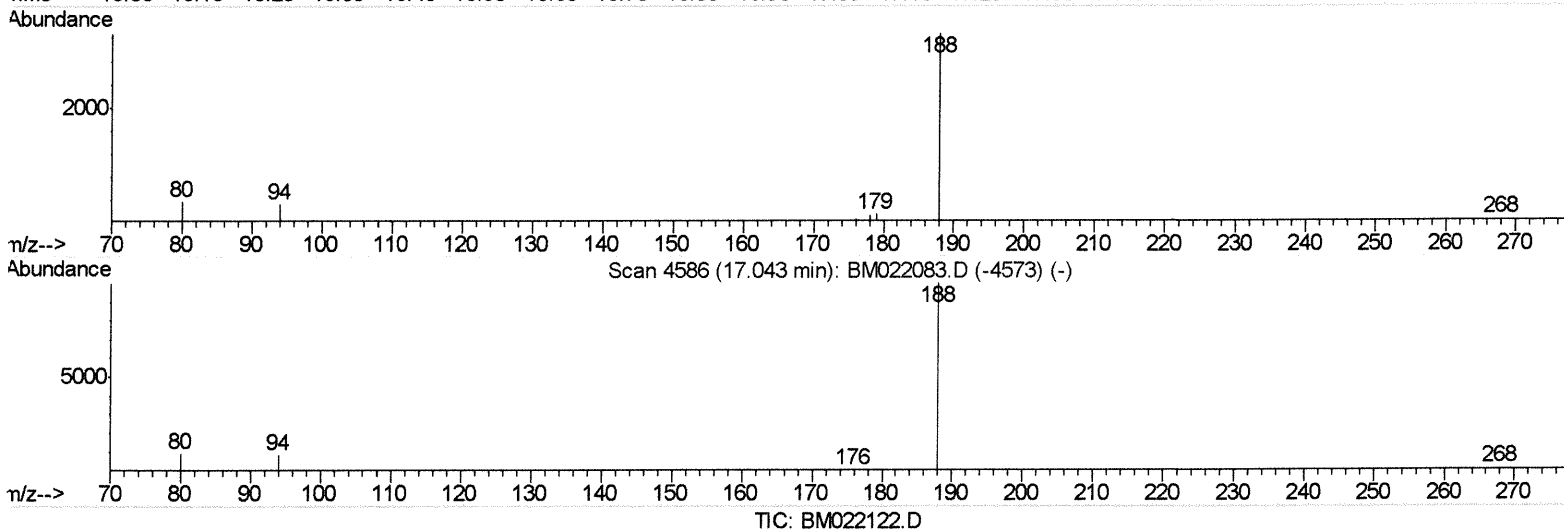
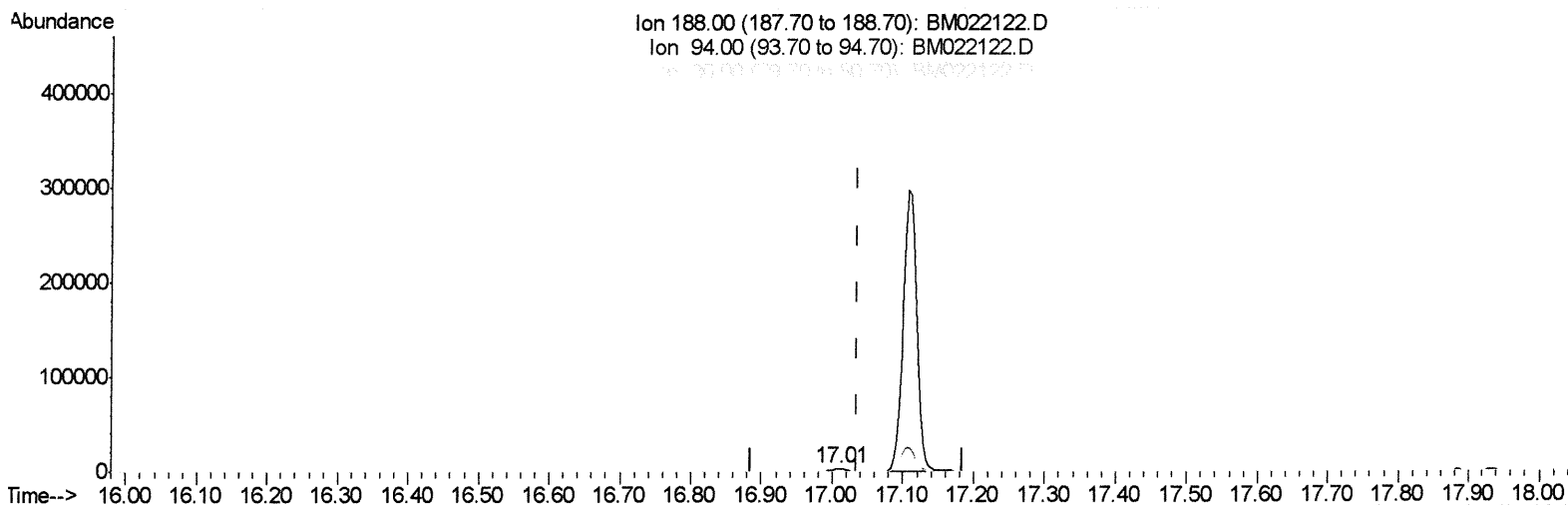
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:27 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.010min (-0.026) 0.40ng/ul m

JU
 08/15/19

response 4725

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.29
80.00	11.40	11.33
0.00	0.00	0.00

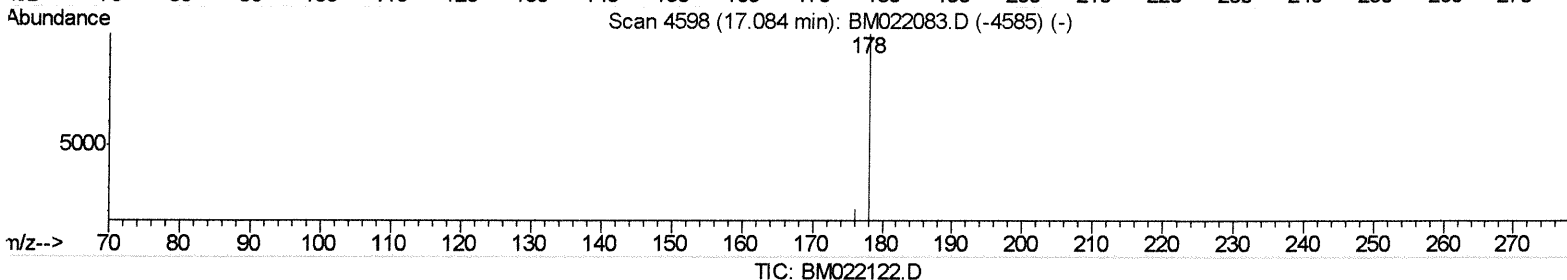
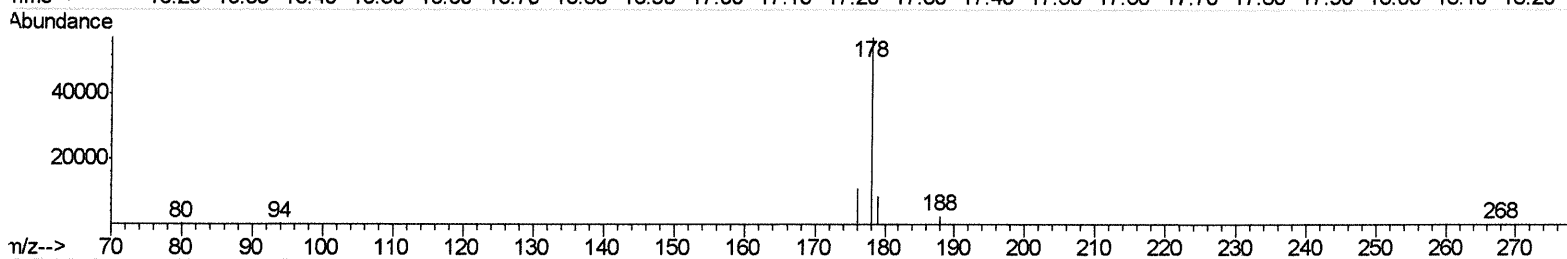
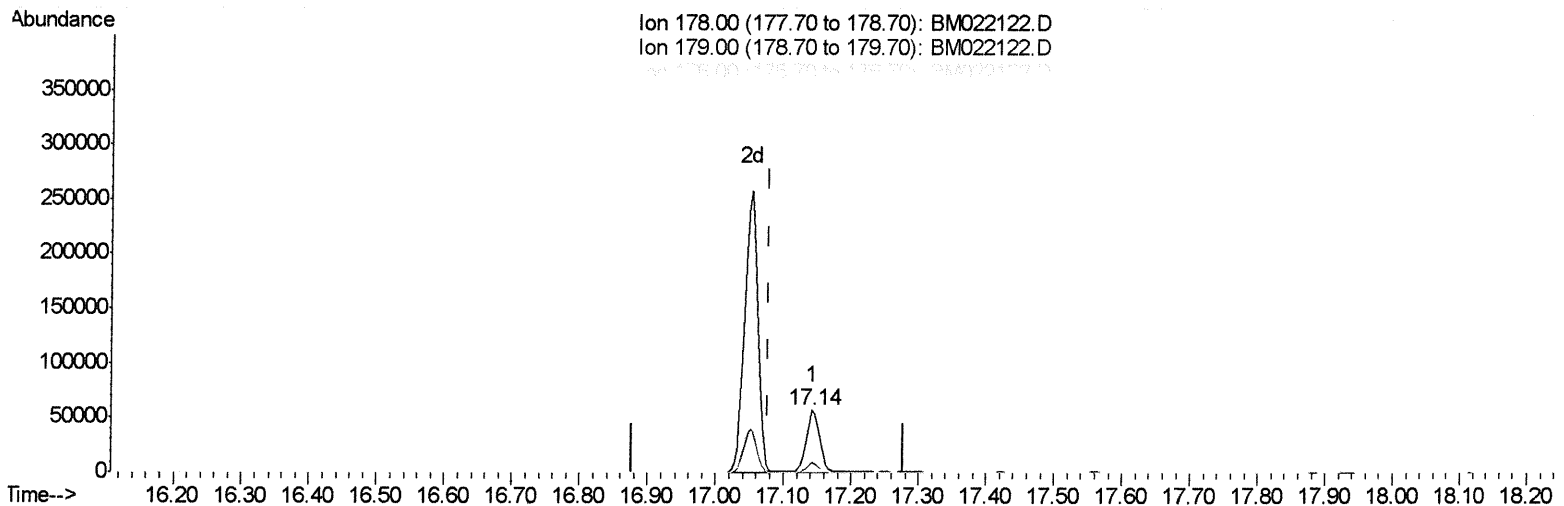
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.142min (+0.064) 5.89ng/ul

response 80932

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.42
176.00	21.00	19.18
0.00	0.00	0.00

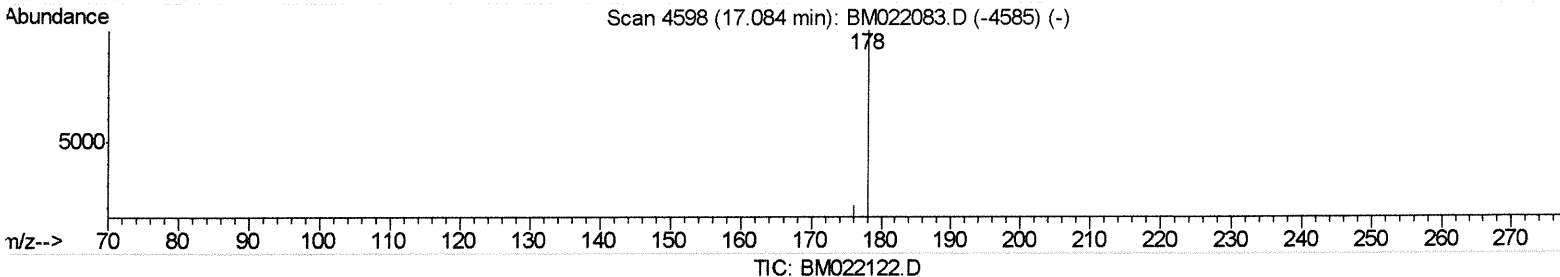
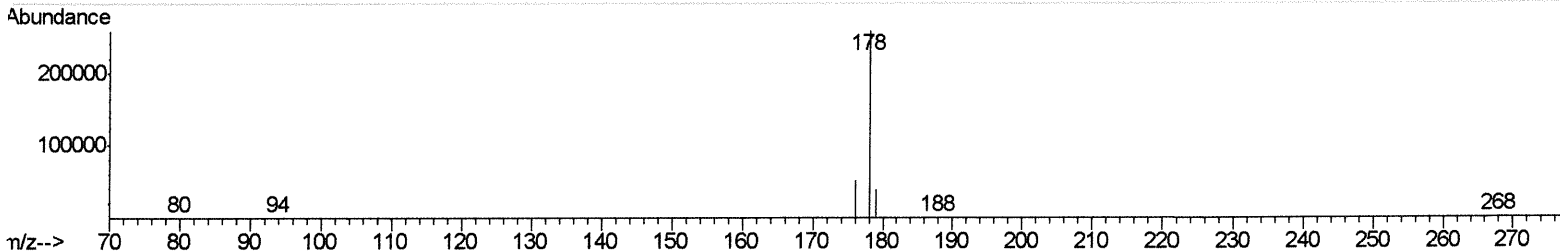
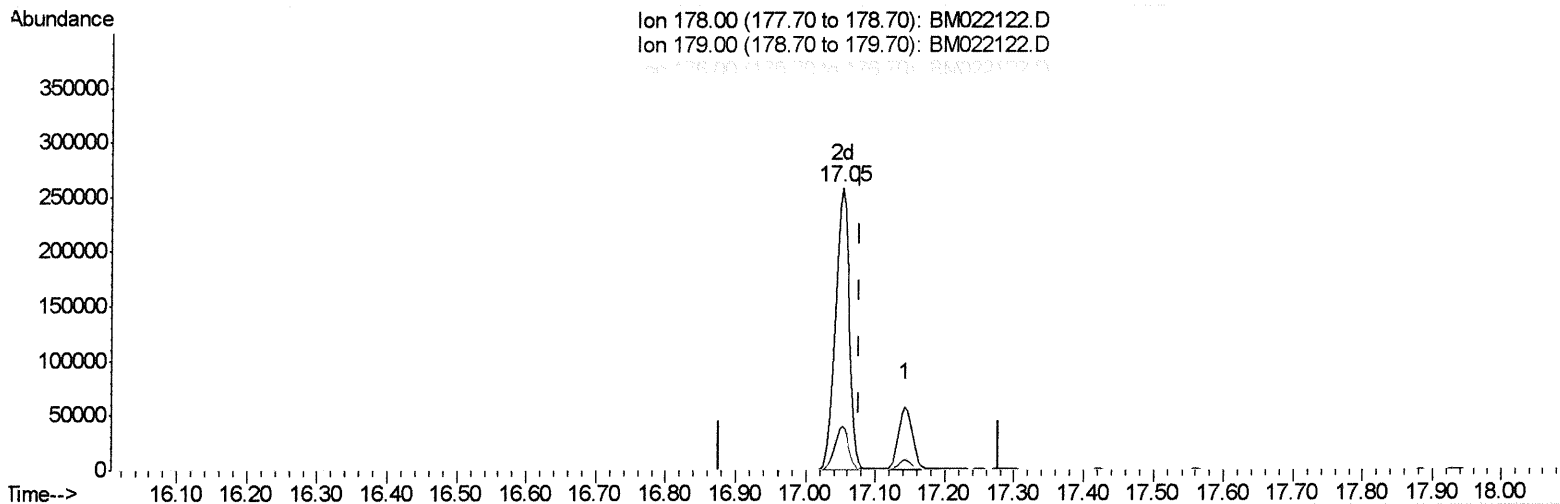
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.051min (-0.026) 25.79ng/ul m

JU
 08/15/19

response 354561

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.38
176.00	21.00	19.67
0.00	0.00	0.00

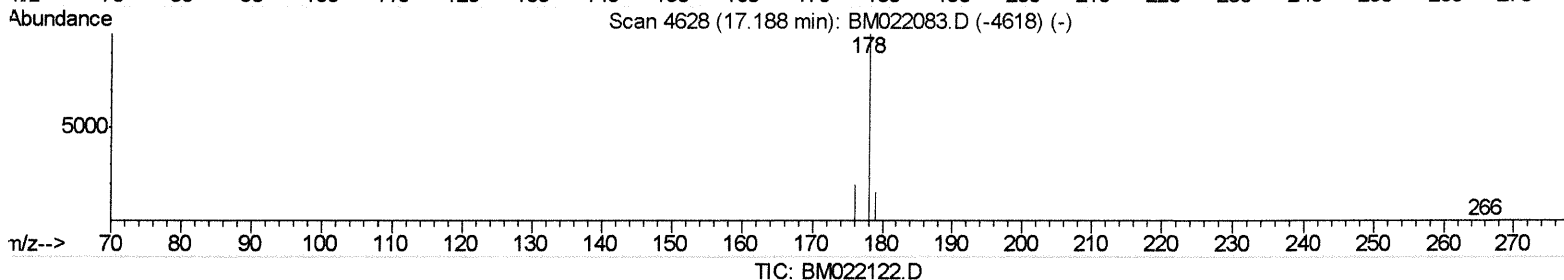
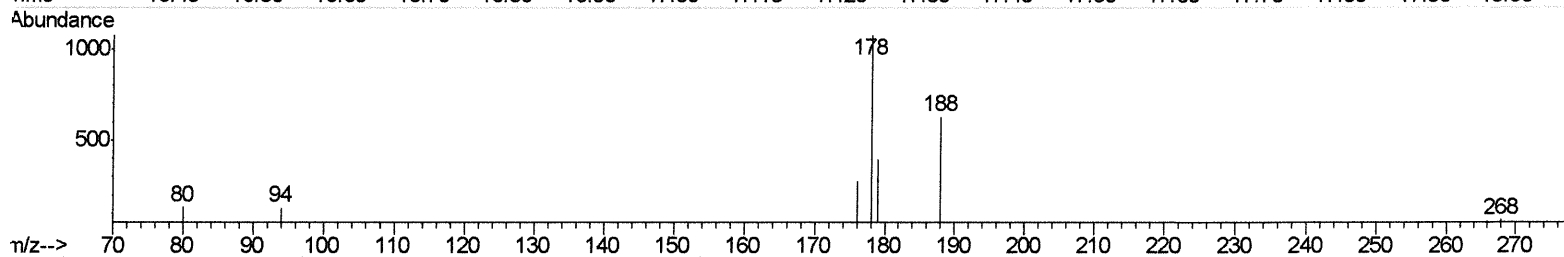
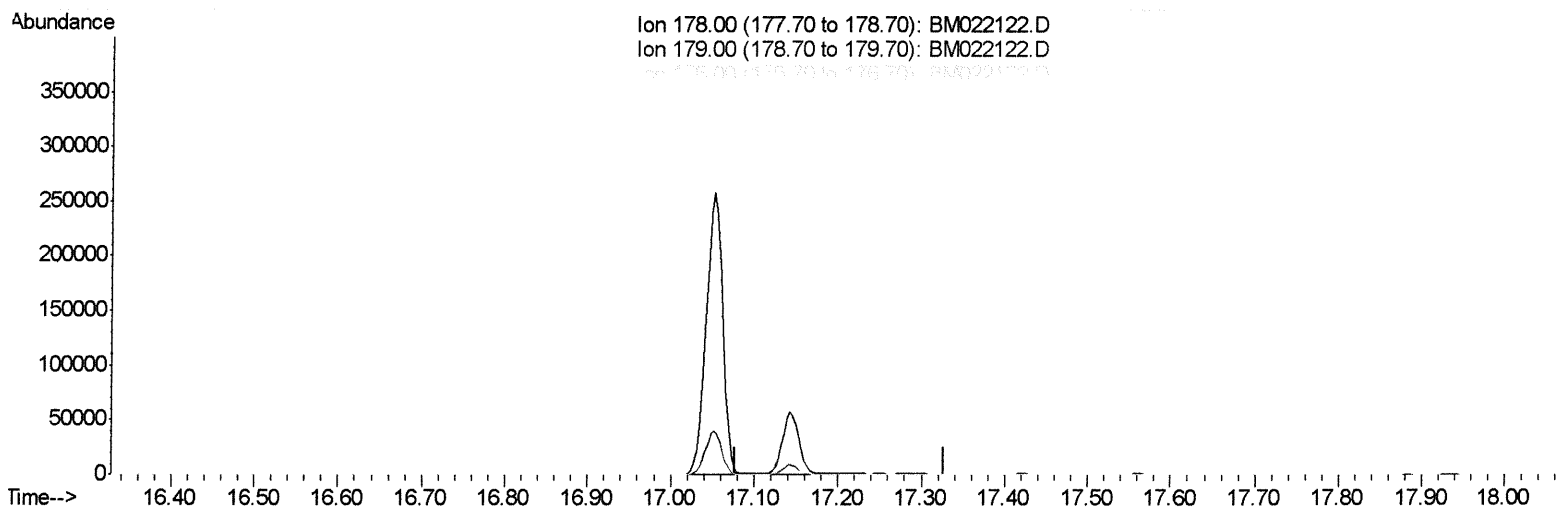
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022122.D
Acq On : 14 Aug 2019 23:43
Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations
APPROVED

mohammad
8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



(13) Anthracene

17.178min (-17.178) 0.00ng/ul

response 0

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

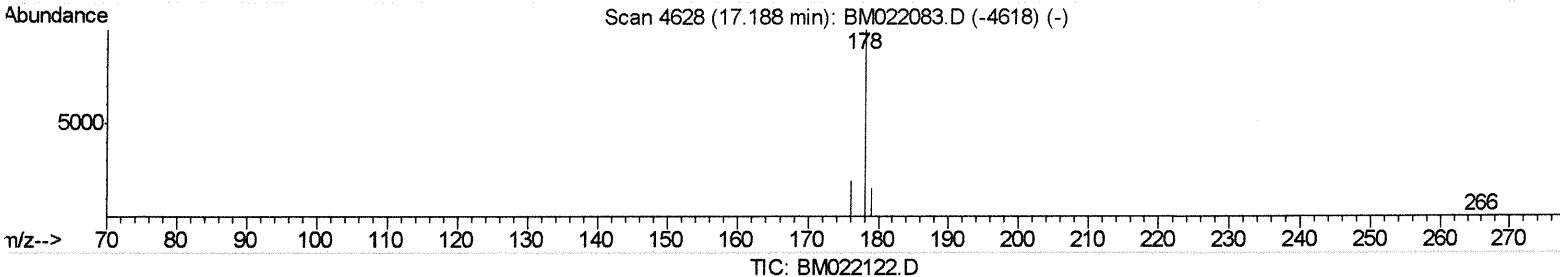
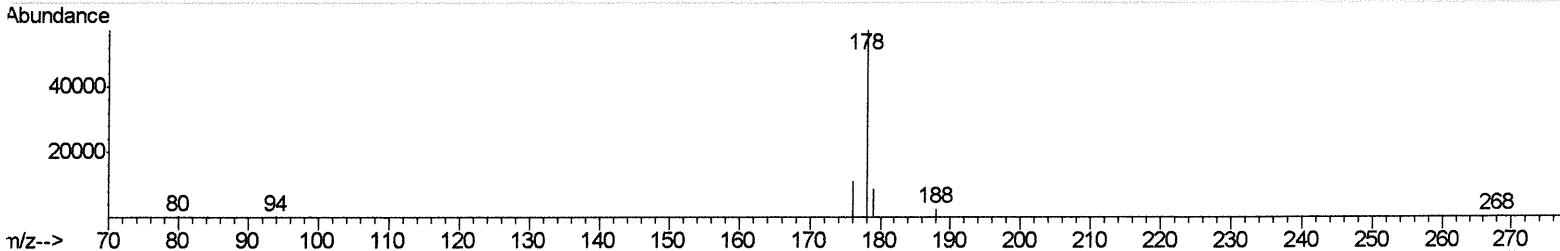
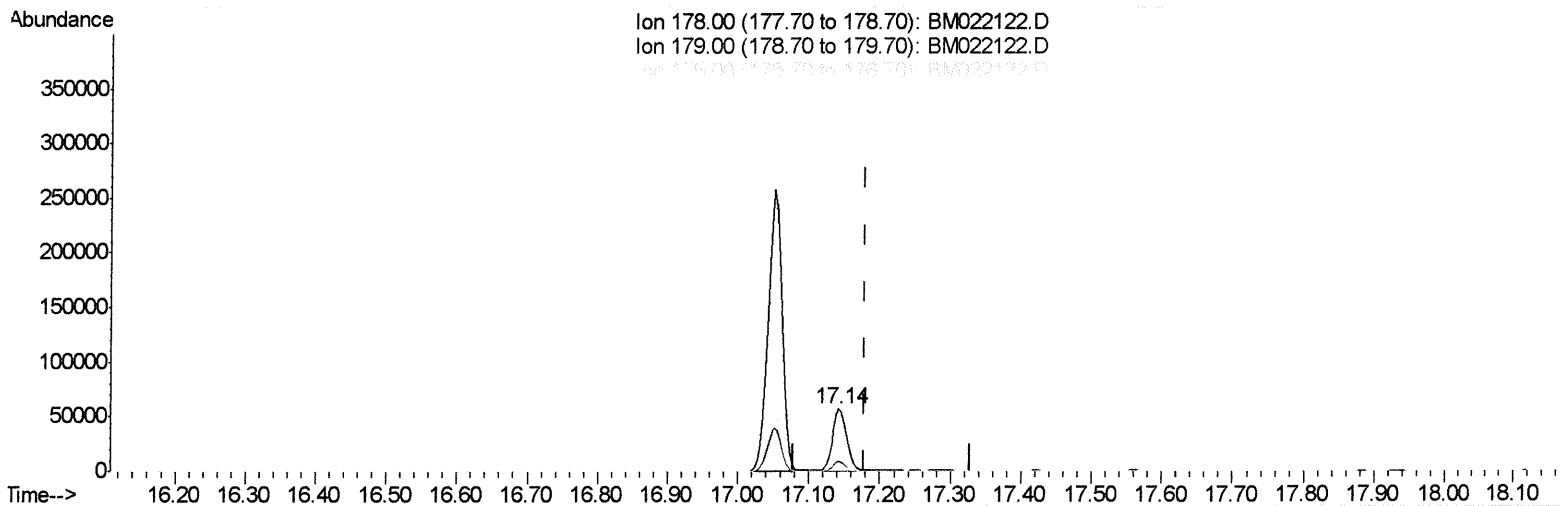
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(13) Anthracene

17.142min (-0.036) 6.85ng/ul m

JU 08/15/19

response 80277

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	15.42#
176.00	20.80	19.18
0.00	0.00	0.00

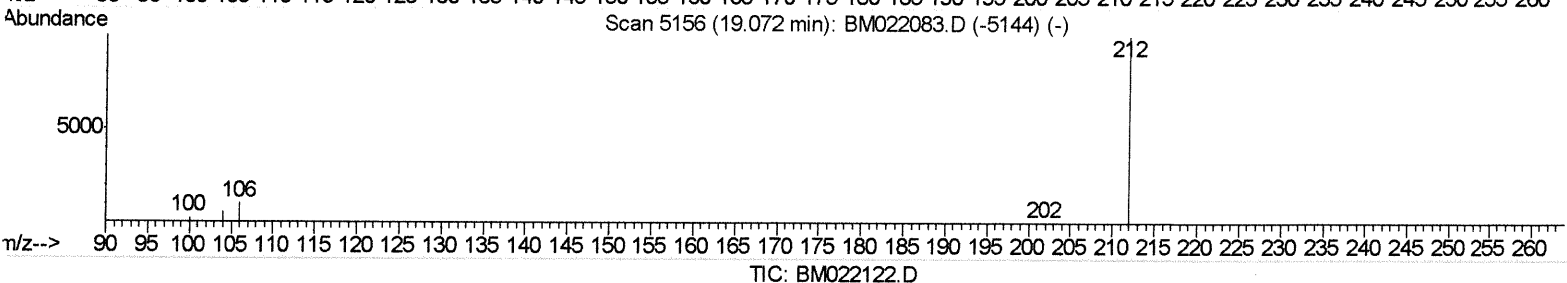
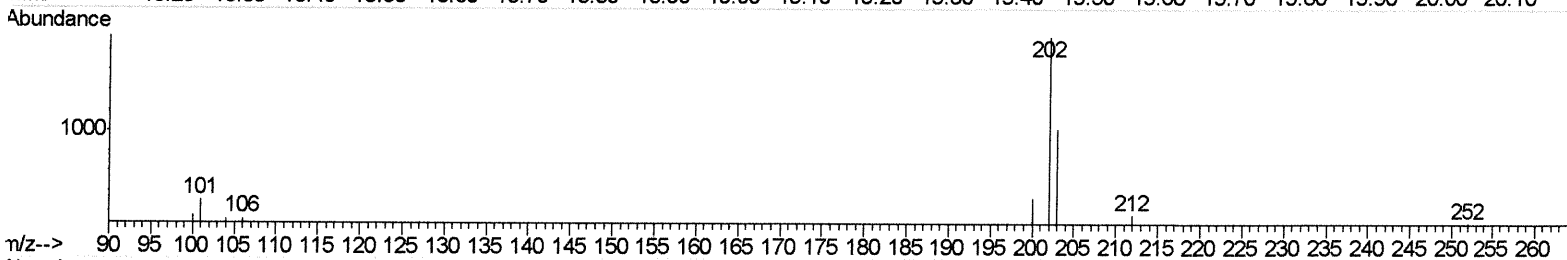
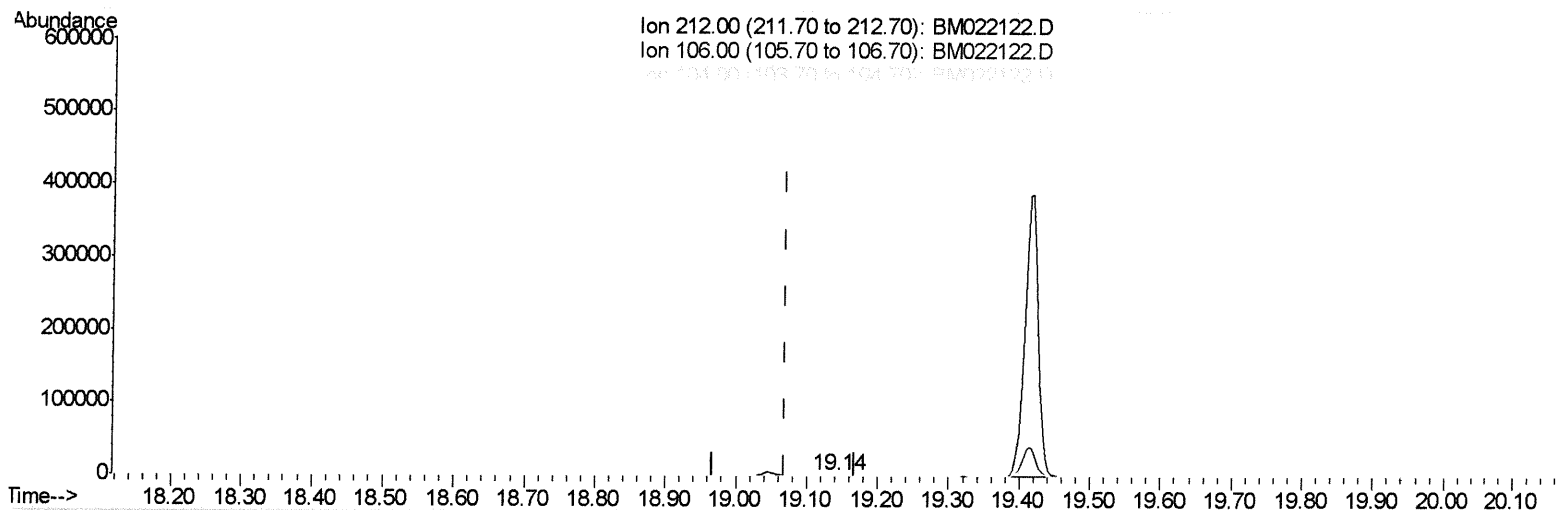
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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 QLast Update : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



TIC: BM022122.D

(14) Fluoranthene-d10 (SURR)

19.142min (+0.074) 0.01ng/ul

response 158

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.00#
104.00	6.00	24.05#
0.00	0.00	0.00

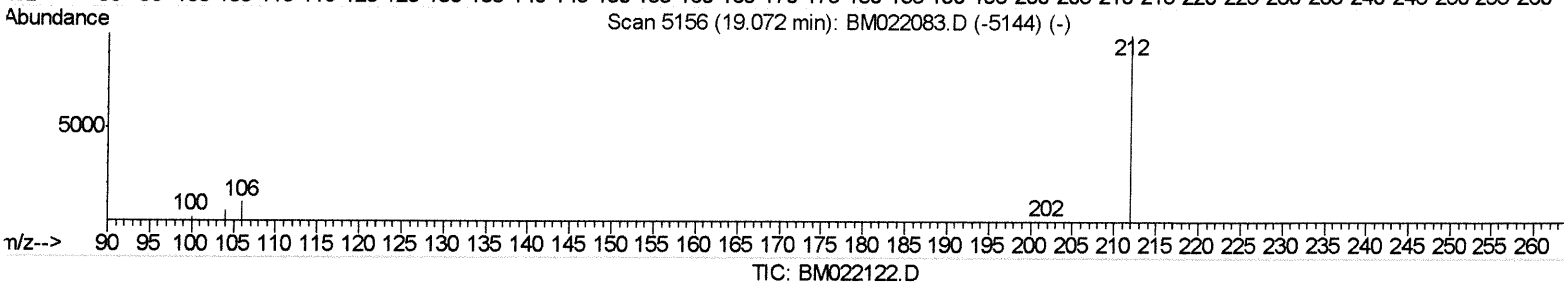
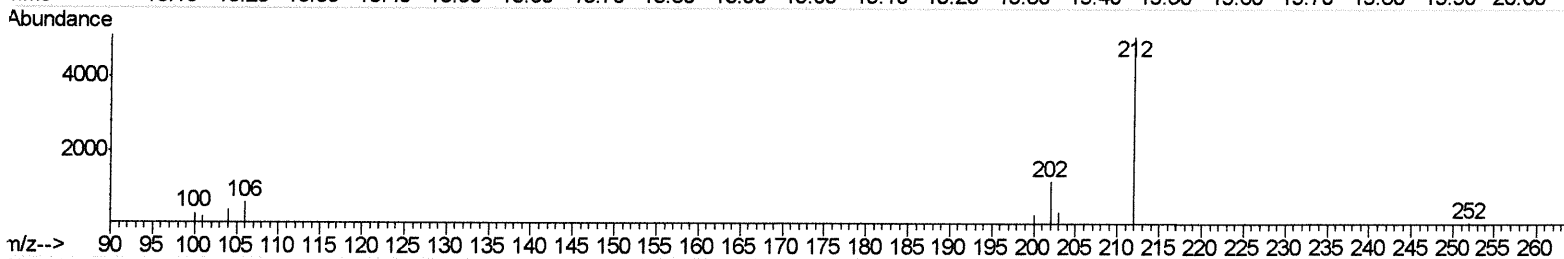
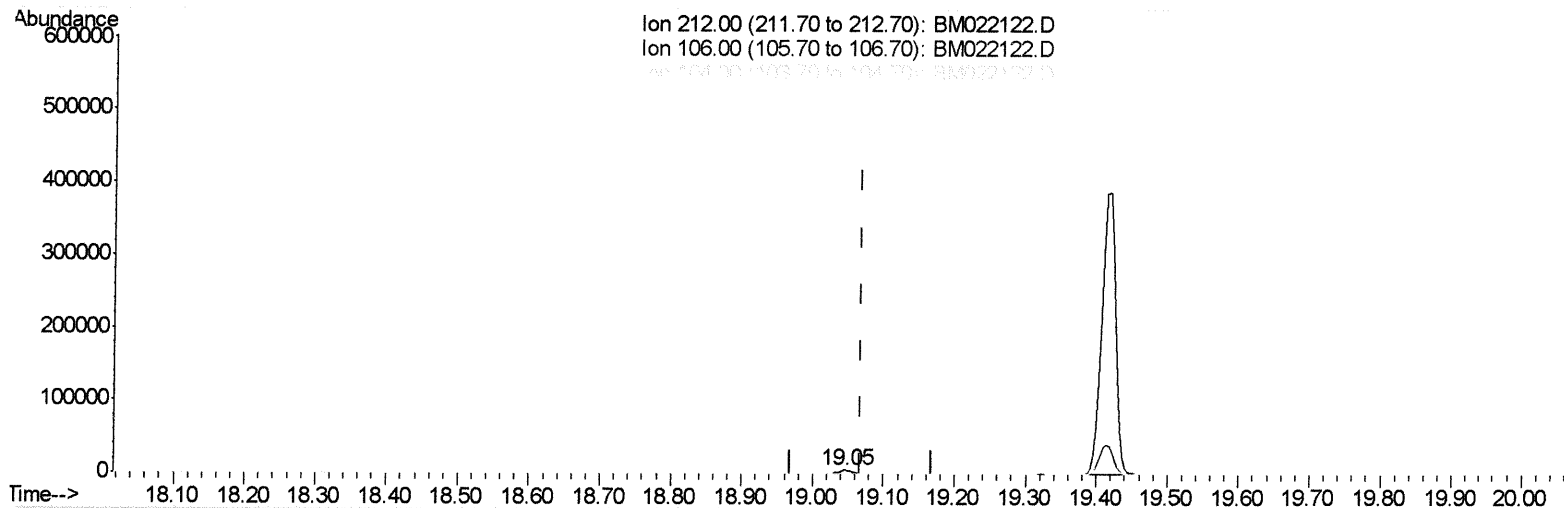
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.047min (-0.021) 0.44ng/ul m

JU
 8/15/19

response 7026

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.00#
104.00	6.00	0.54#
0.00	0.00	0.00

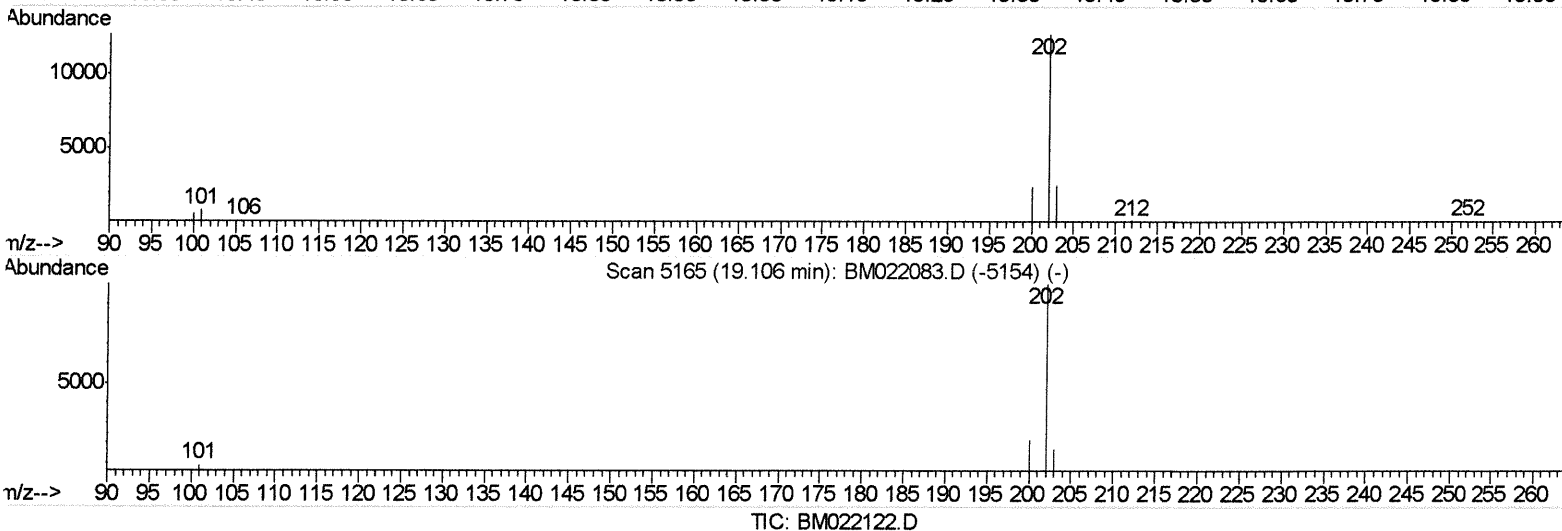
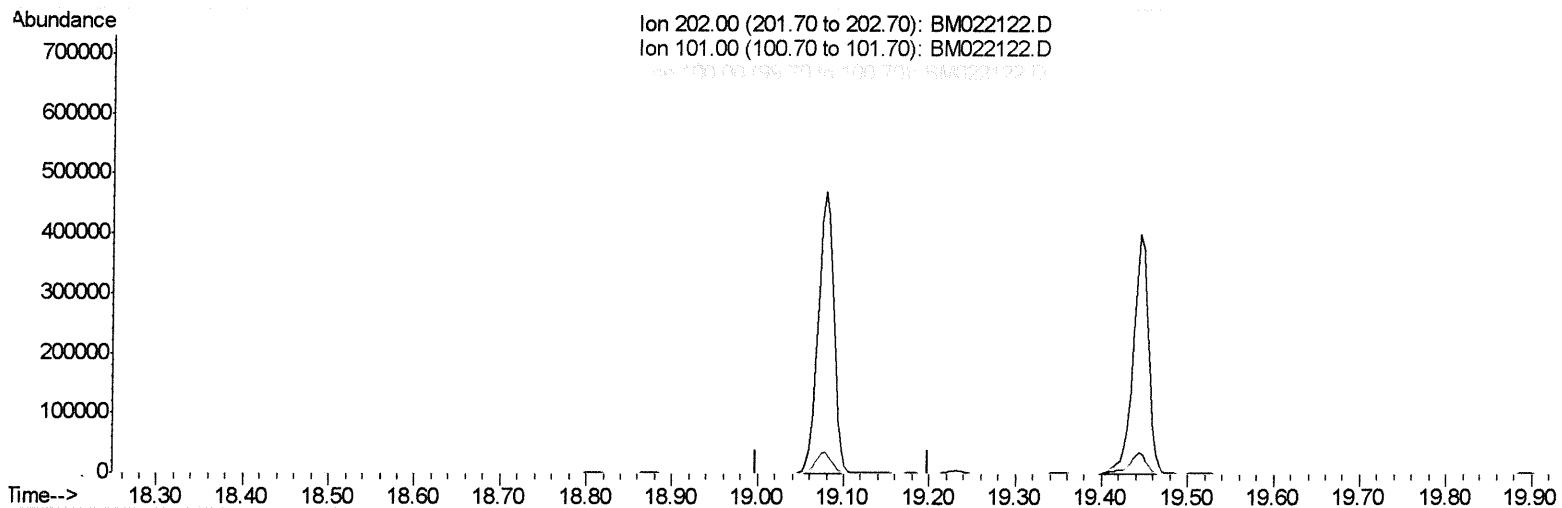
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.098min (-19.098) 0.00ng/ul

response 0

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

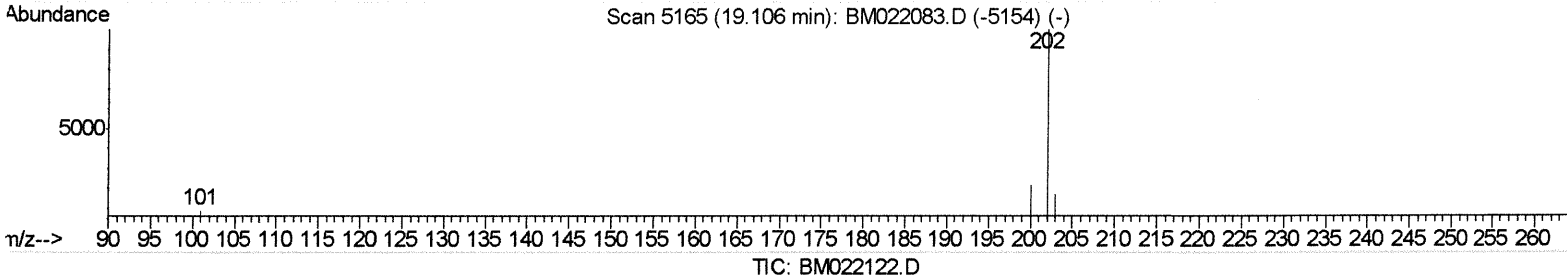
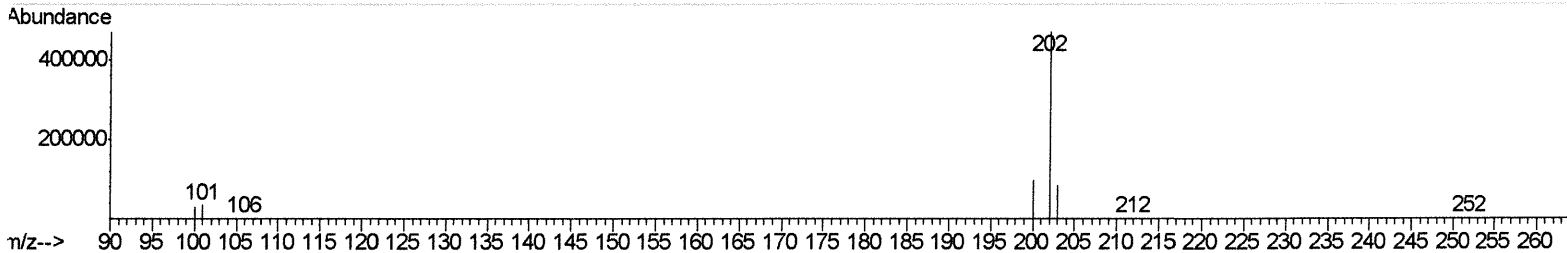
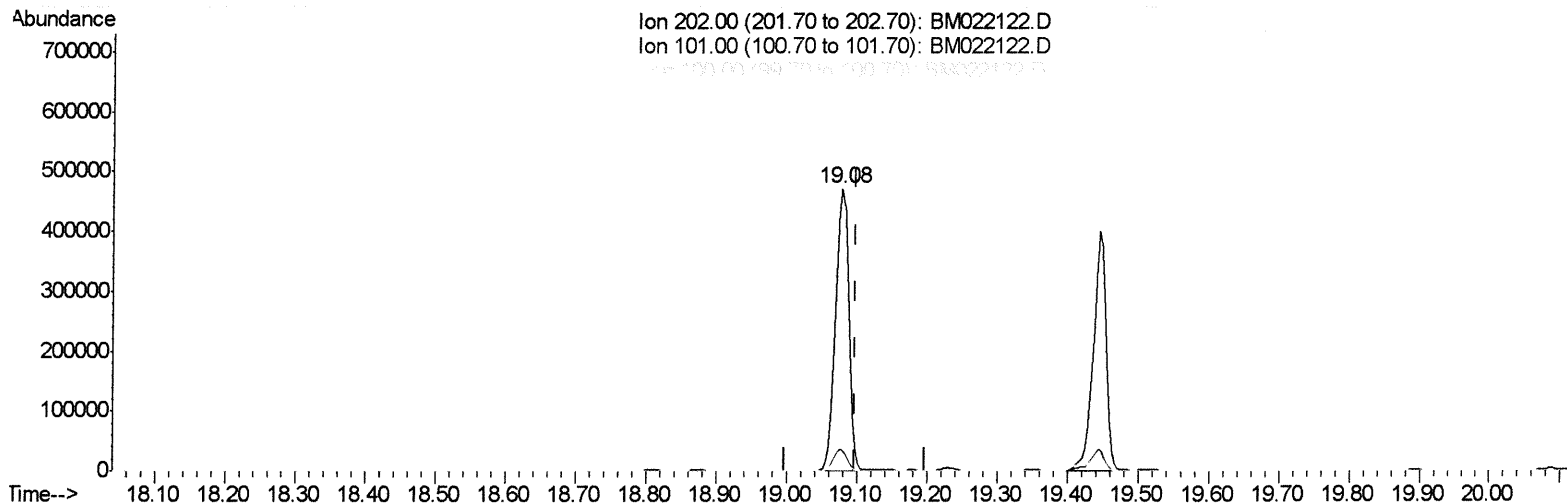
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.077min (-0.021) 32.83ng/ul m

JU
 08/15/19

response 604567

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	7.54
100.00	8.10	5.93
0.00	0.00	0.00

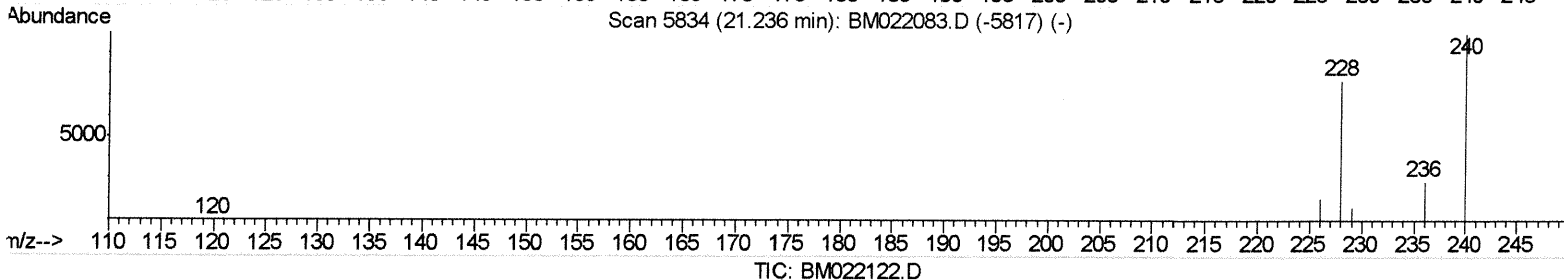
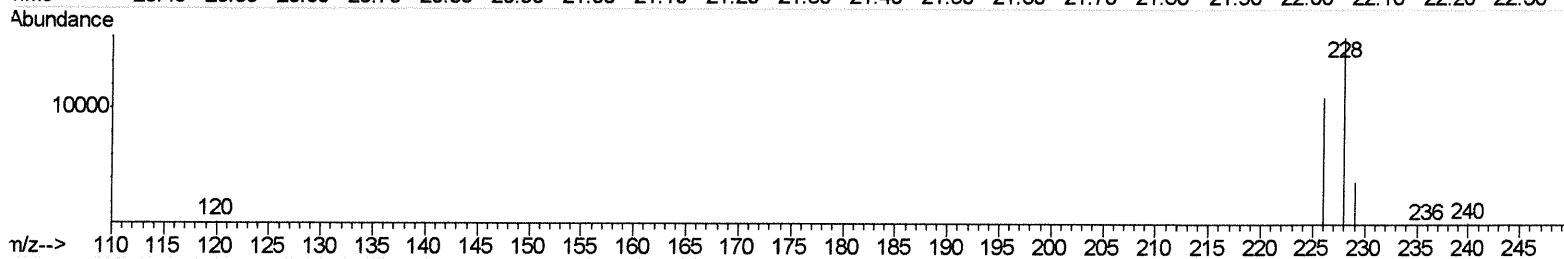
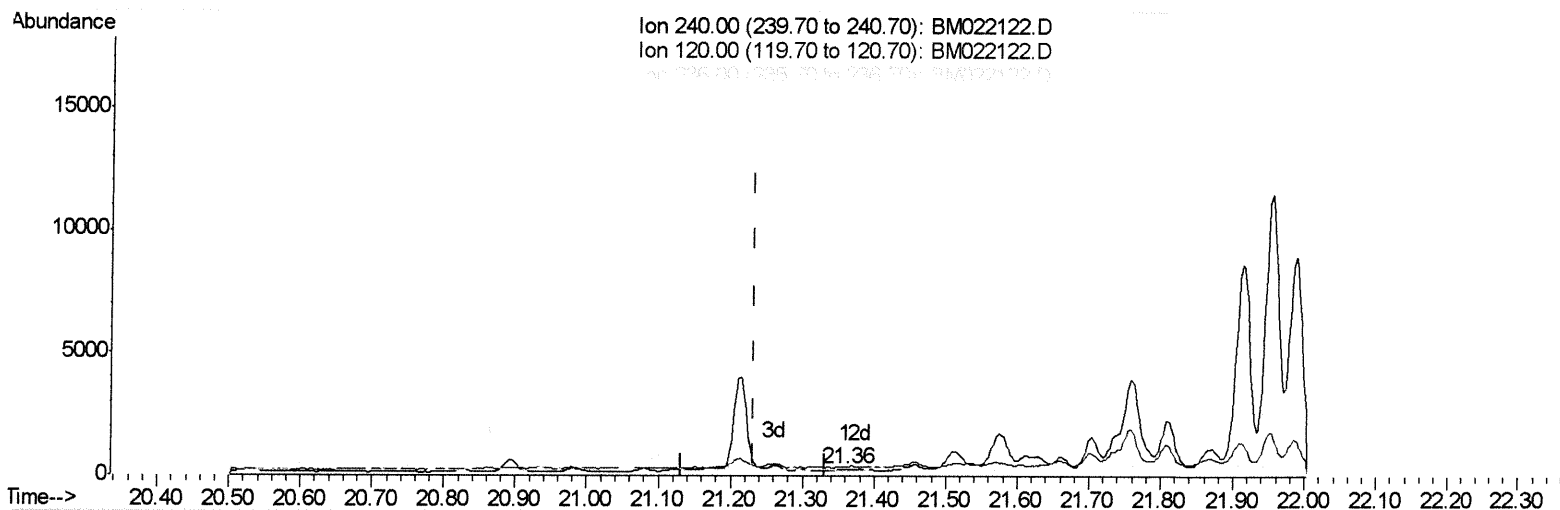
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.360min (+0.129) 0.40ng/ul

response 104

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	131.25#
236.00	32.30	79.86#
0.00	0.00	0.00

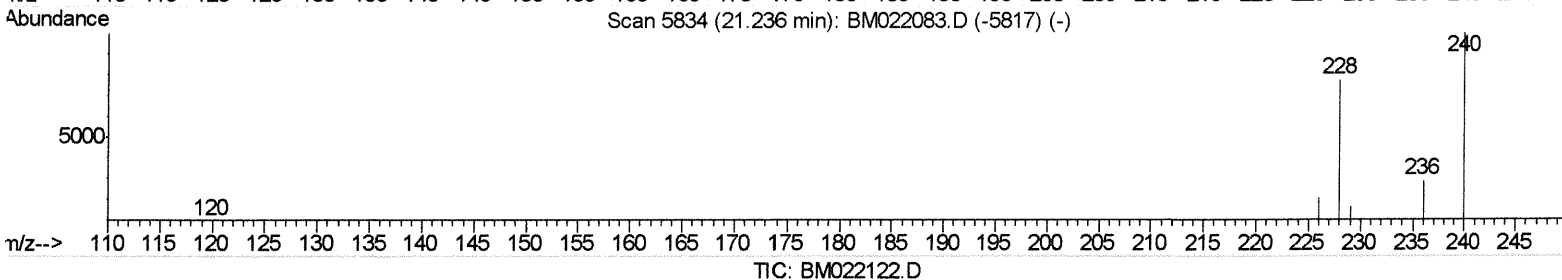
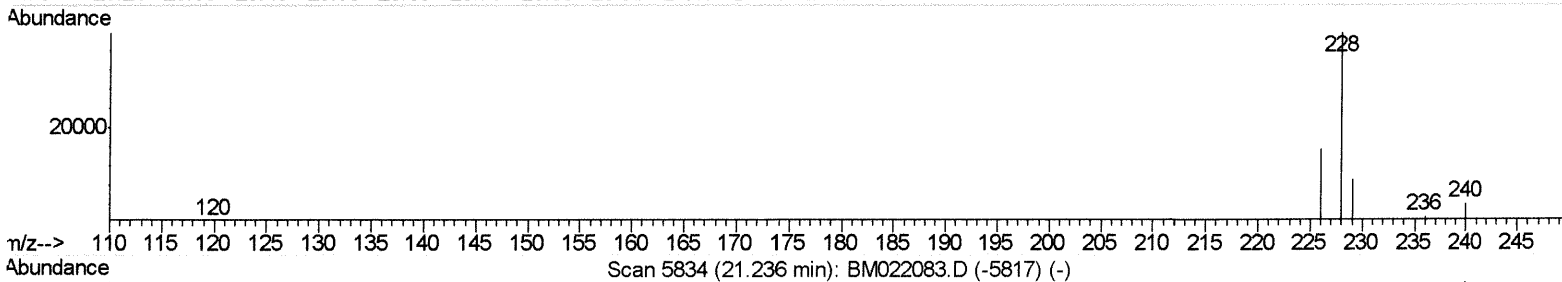
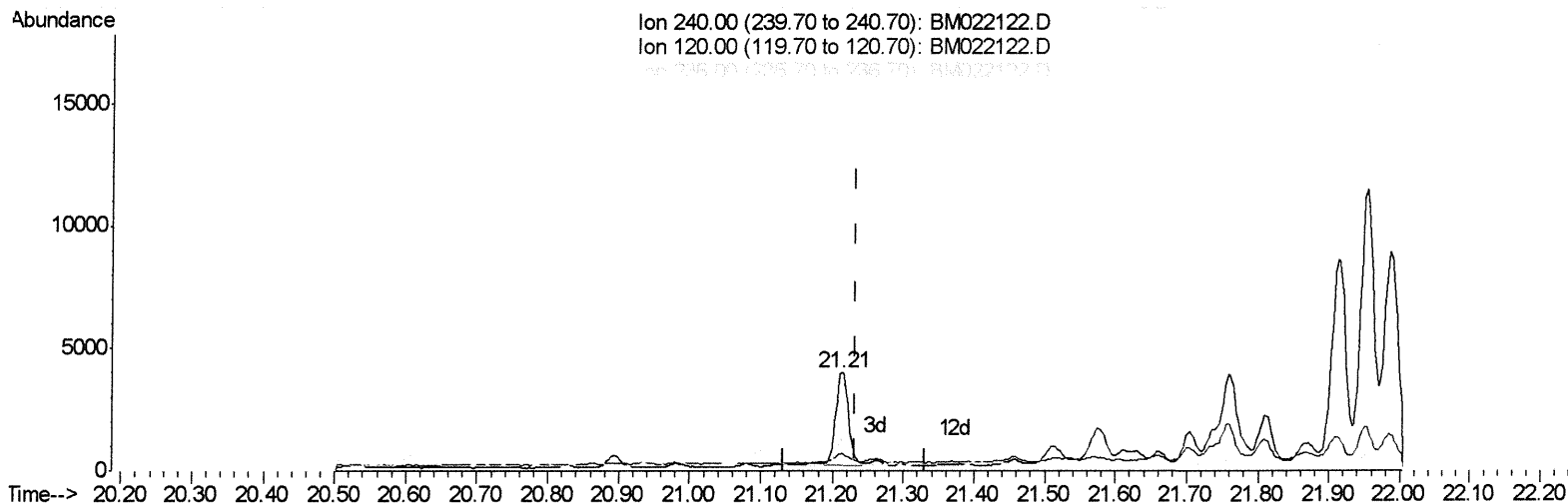
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:26:53 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.212min (-0.019) 0.40ng/ul m

JU
 08/15/19

response 4750

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	17.84
236.00	32.30	32.53
0.00	0.00	0.00

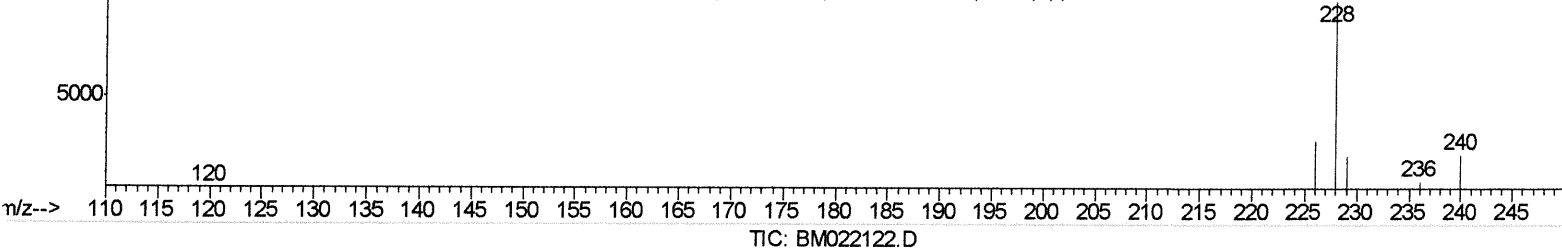
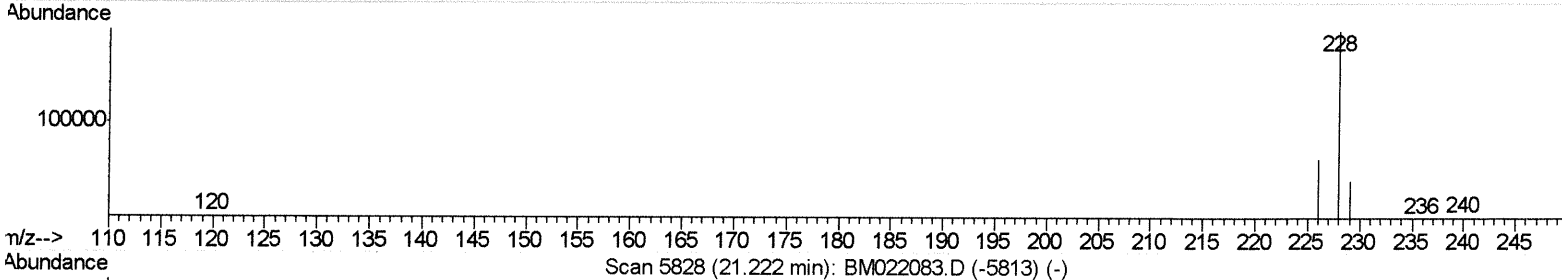
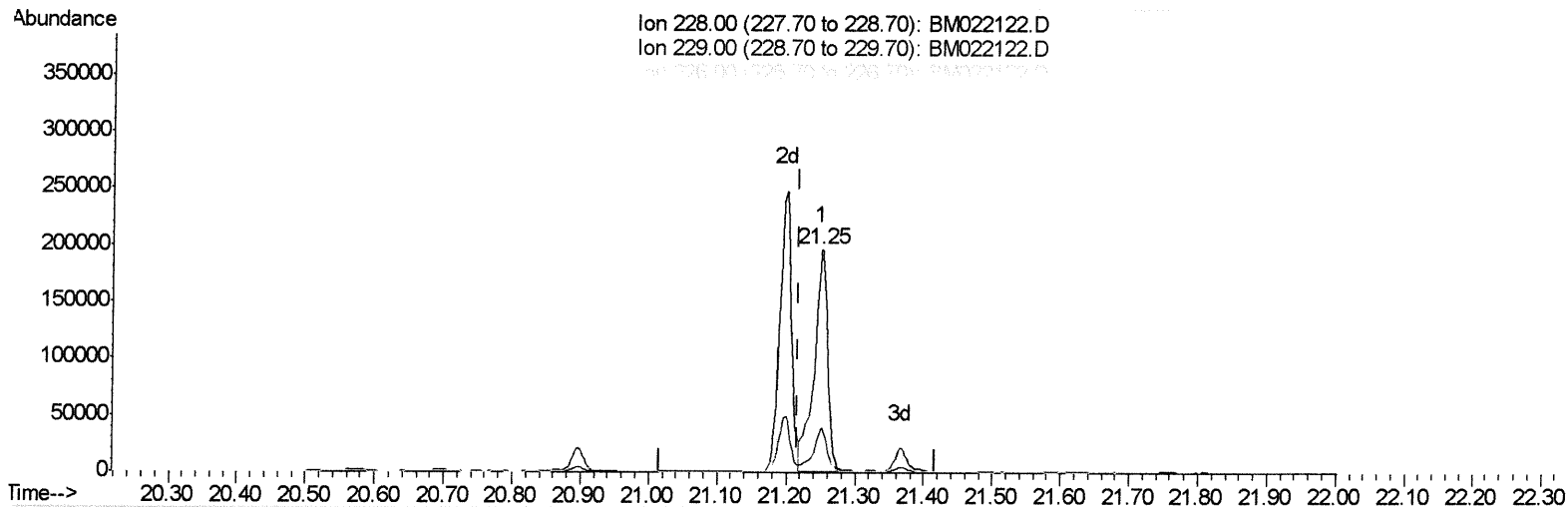
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:28:33 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.249min (+0.032) 16.22ng/ul

response 275557

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	19.73
226.00	28.30	31.30
0.00	0.00	0.00

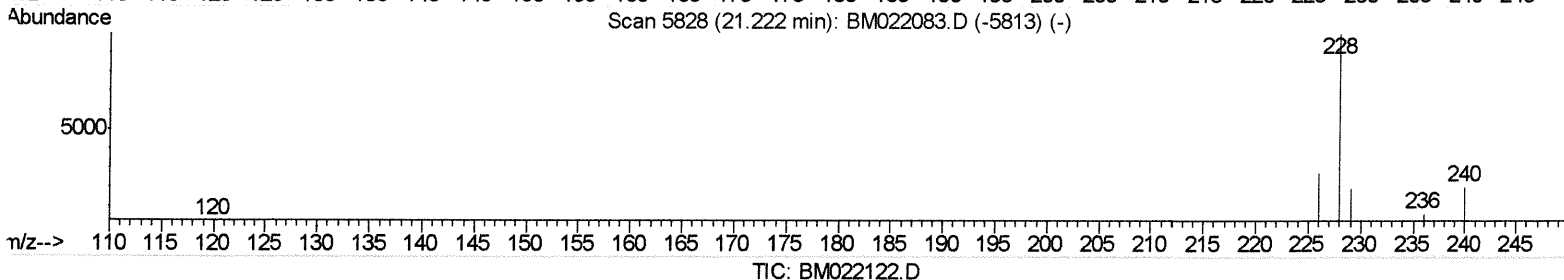
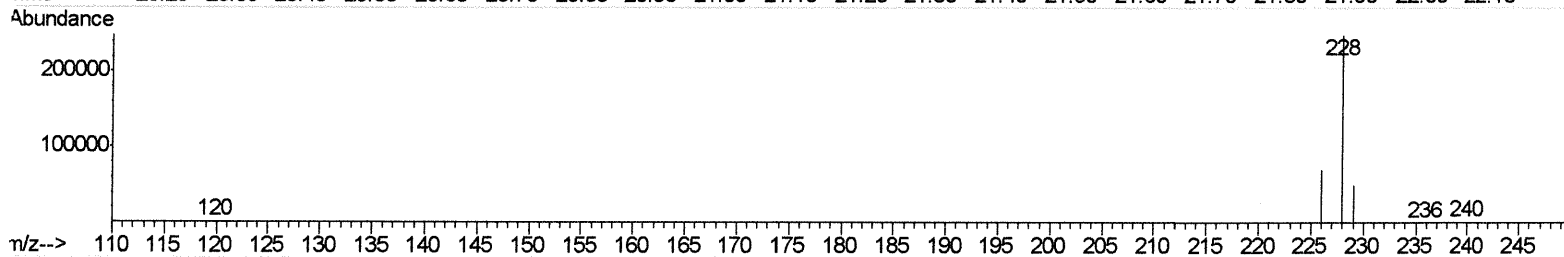
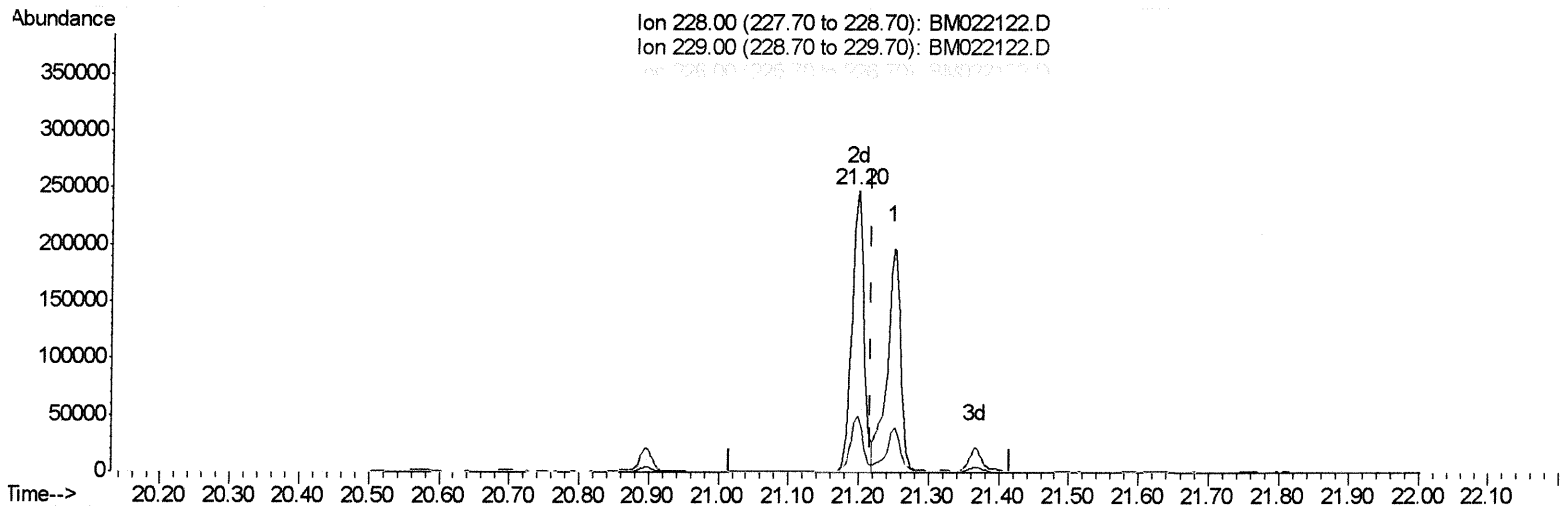
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:28:33 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.198min (-0.019) 17.42ng/ul m

JU
 08/15/19

response 295963

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	20.20
226.00	28.30	28.37
0.00	0.00	0.00

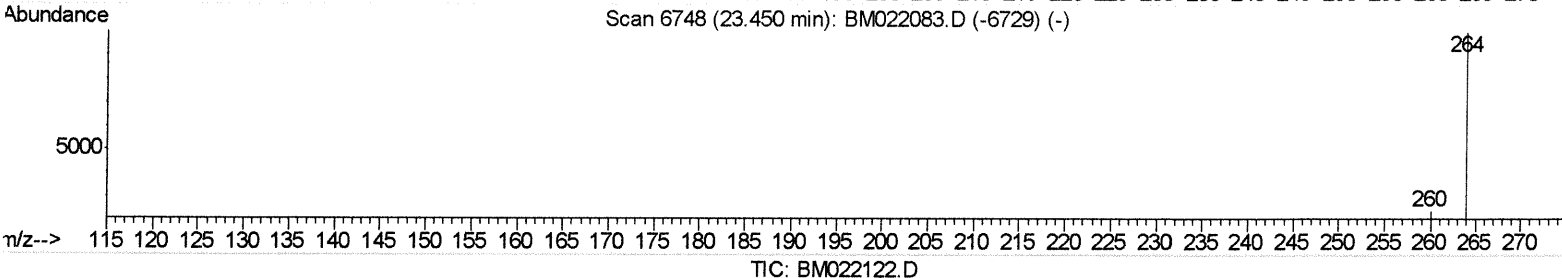
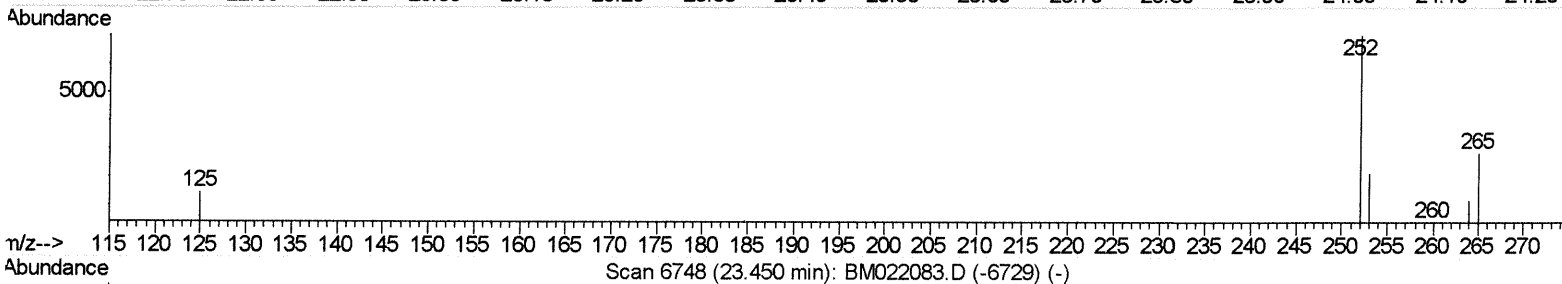
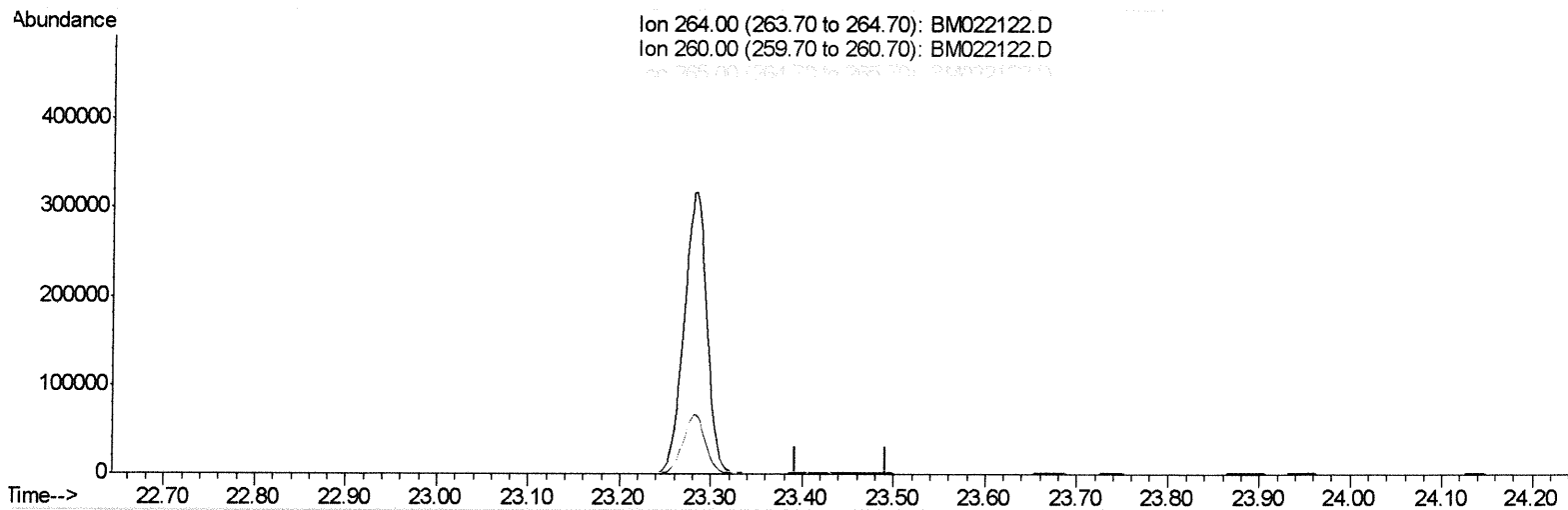
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:28:33 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.442min (-23.442) 0.00ng/ul

response 0

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

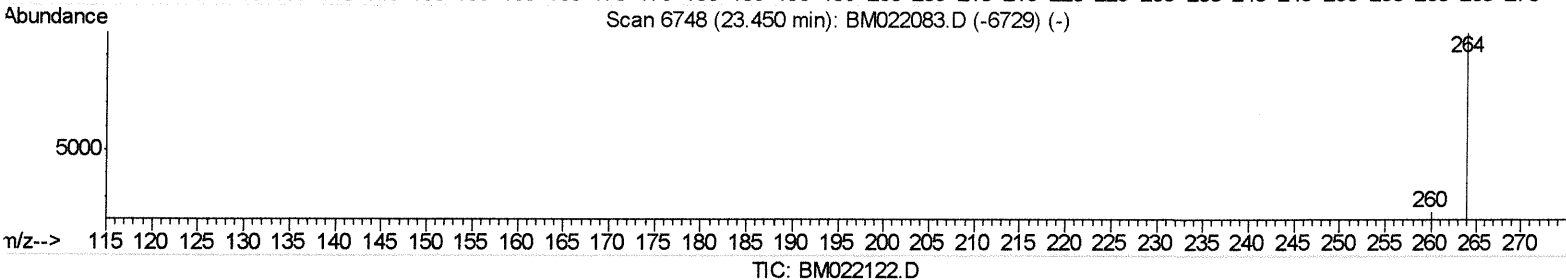
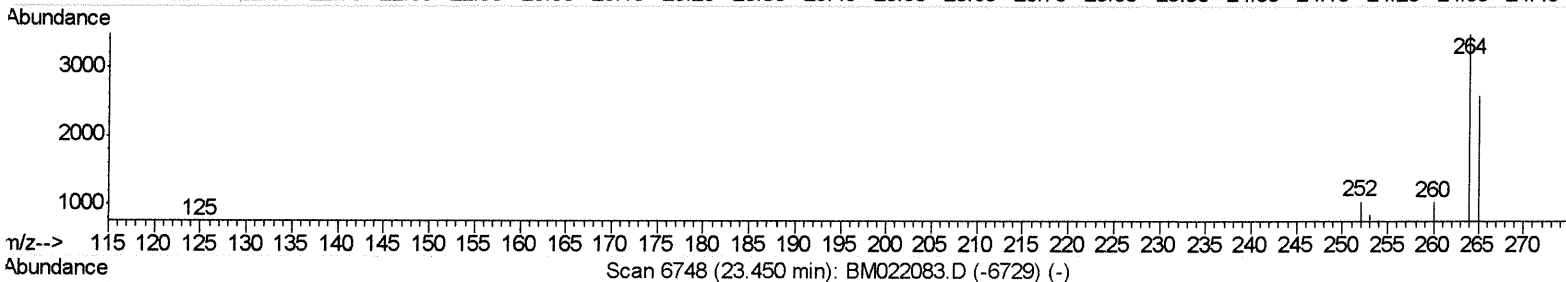
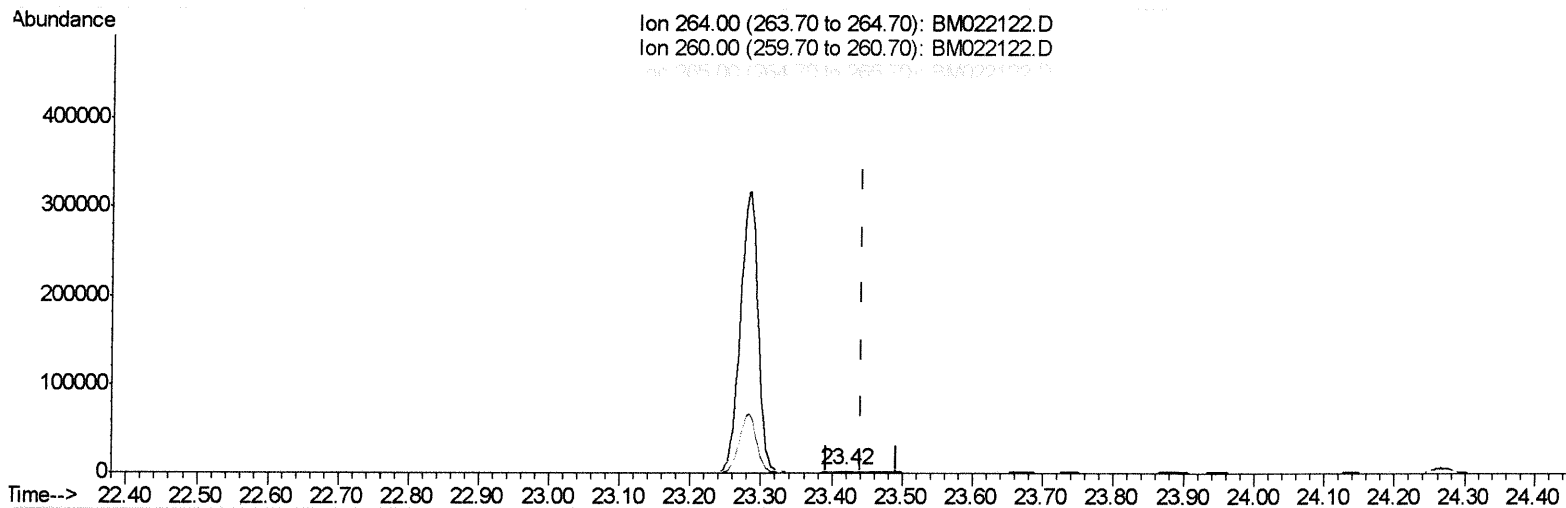
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:28:33 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.419min (-0.024) 0.40ng/ul m

JU
 08/15/19

response 4789

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	29.82
265.00	117.00	74.64#
0.00	0.00	0.00

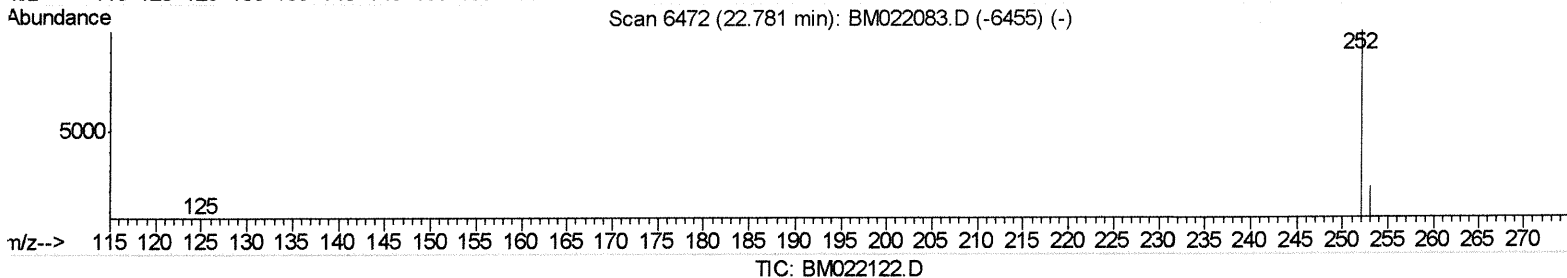
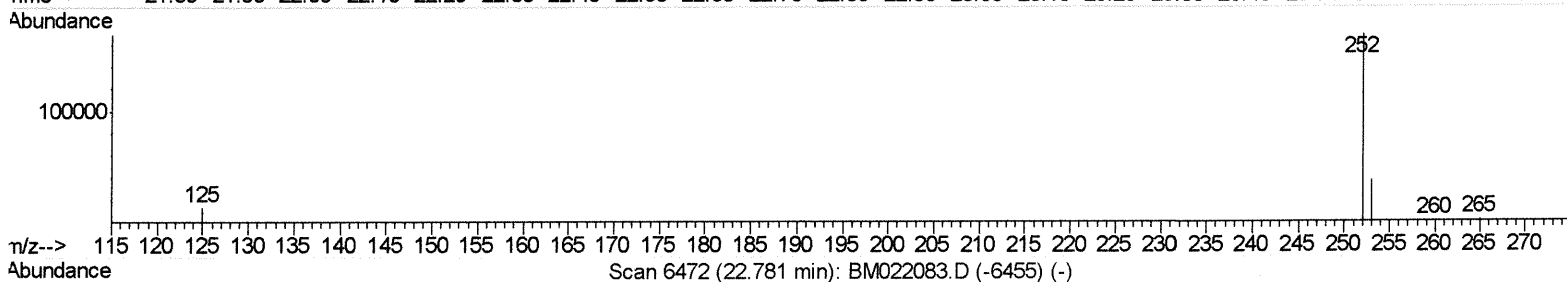
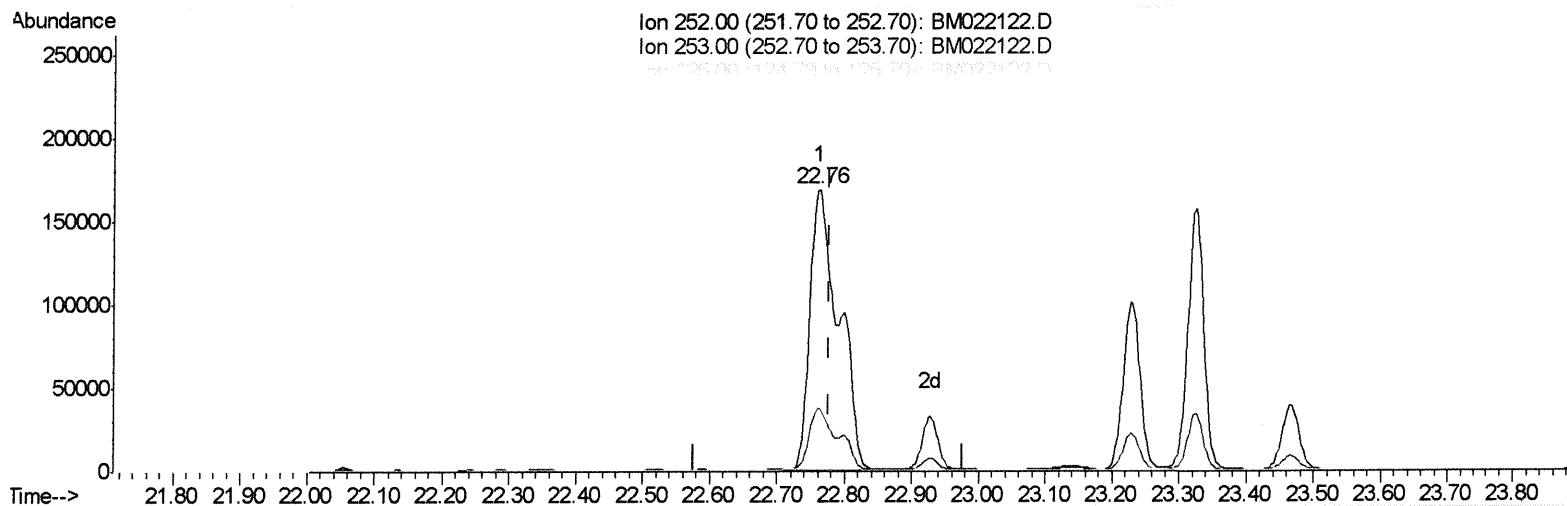
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:30:42 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.762min (-0.014) 31.16ng/ul

response 503233

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.25
125.00	15.50	7.93
0.00	0.00	0.00

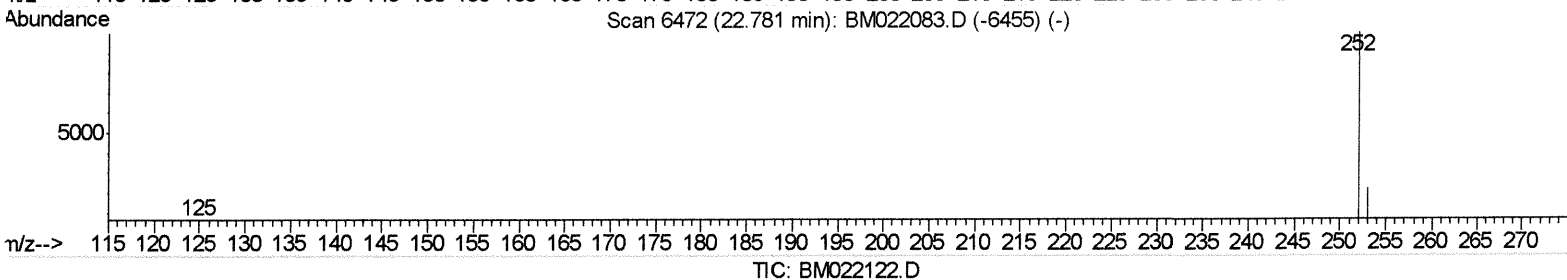
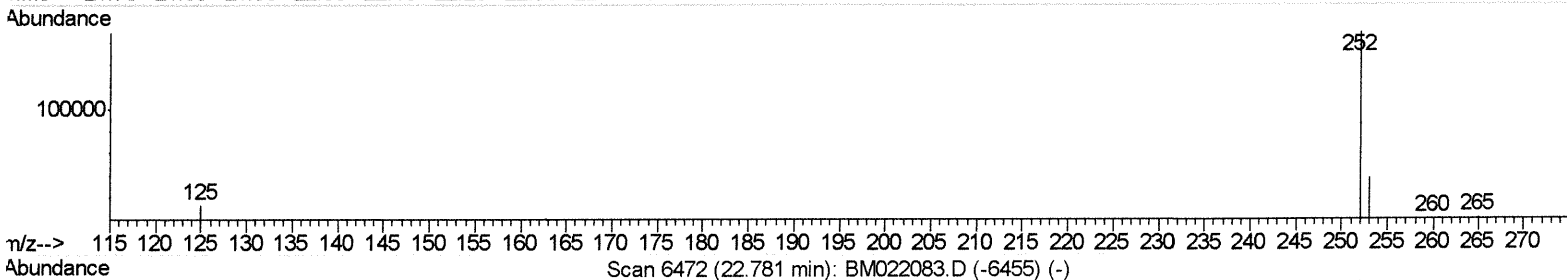
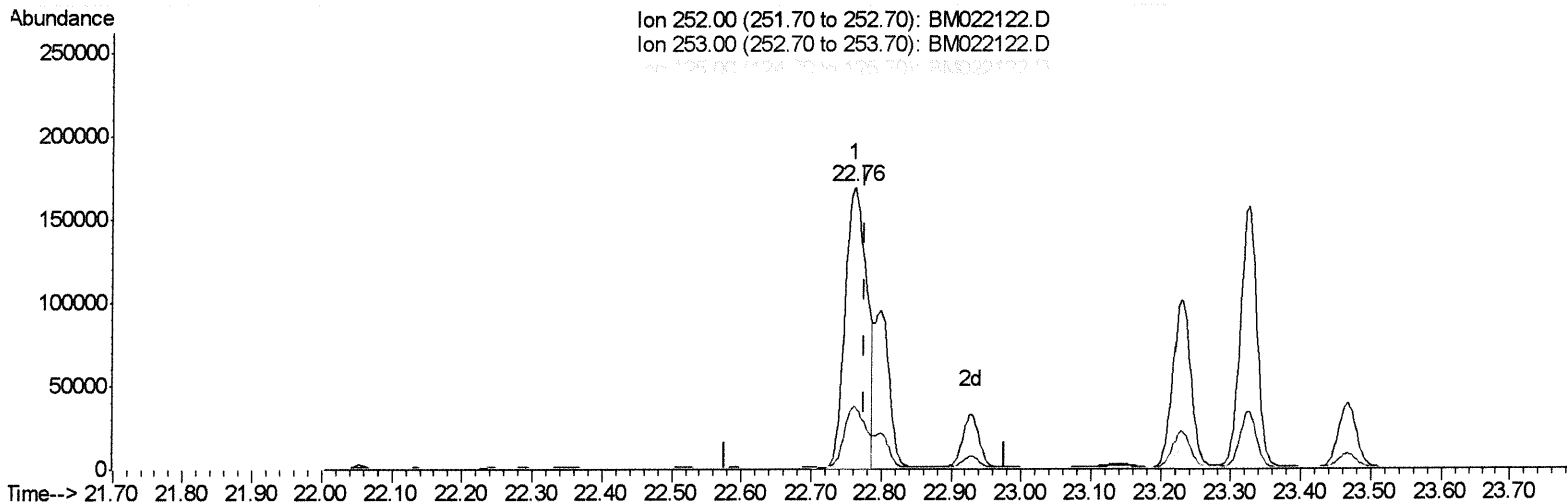
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:30:42 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.762min (-0.014) 22.61ng/ul m *JU 08/15/19*

response 365132

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.25
125.00	15.50	7.93
0.00	0.00	0.00

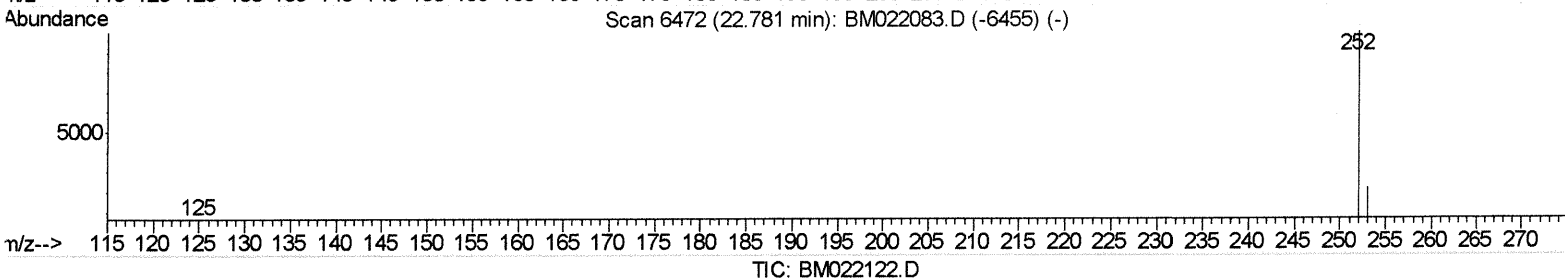
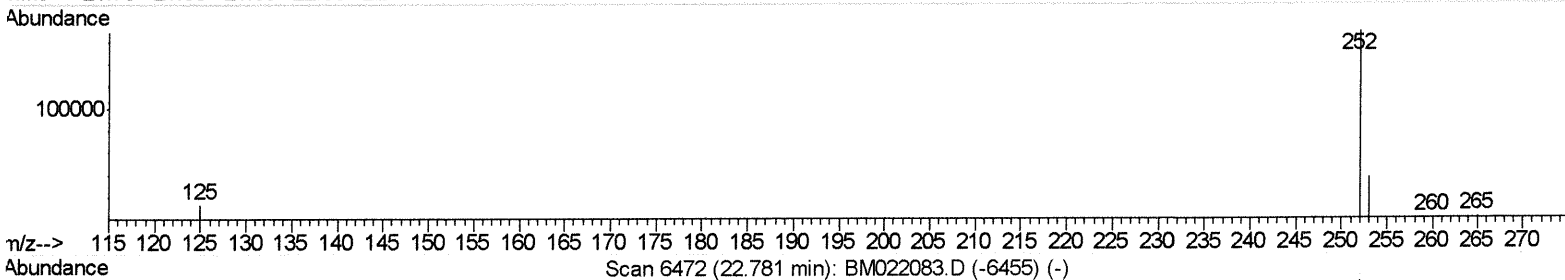
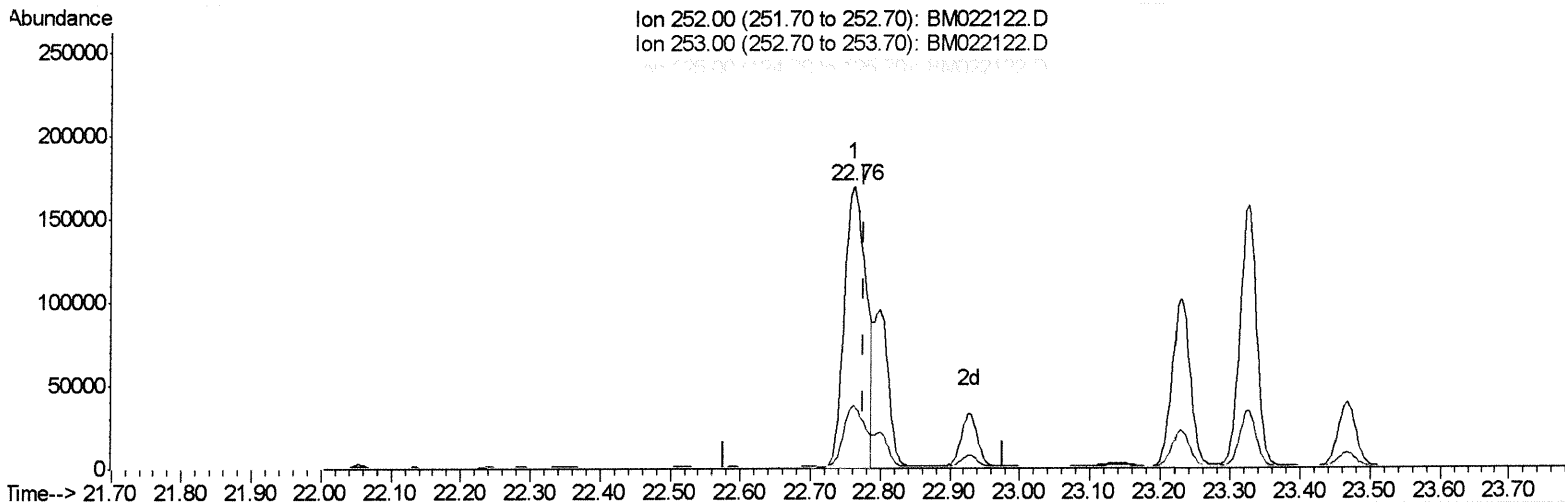
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:30:42 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.762min (-0.014) 22.61ng/ul m *JU 08/15/19*

response 365132

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.25
125.00	15.50	7.93
0.00	0.00	0.00

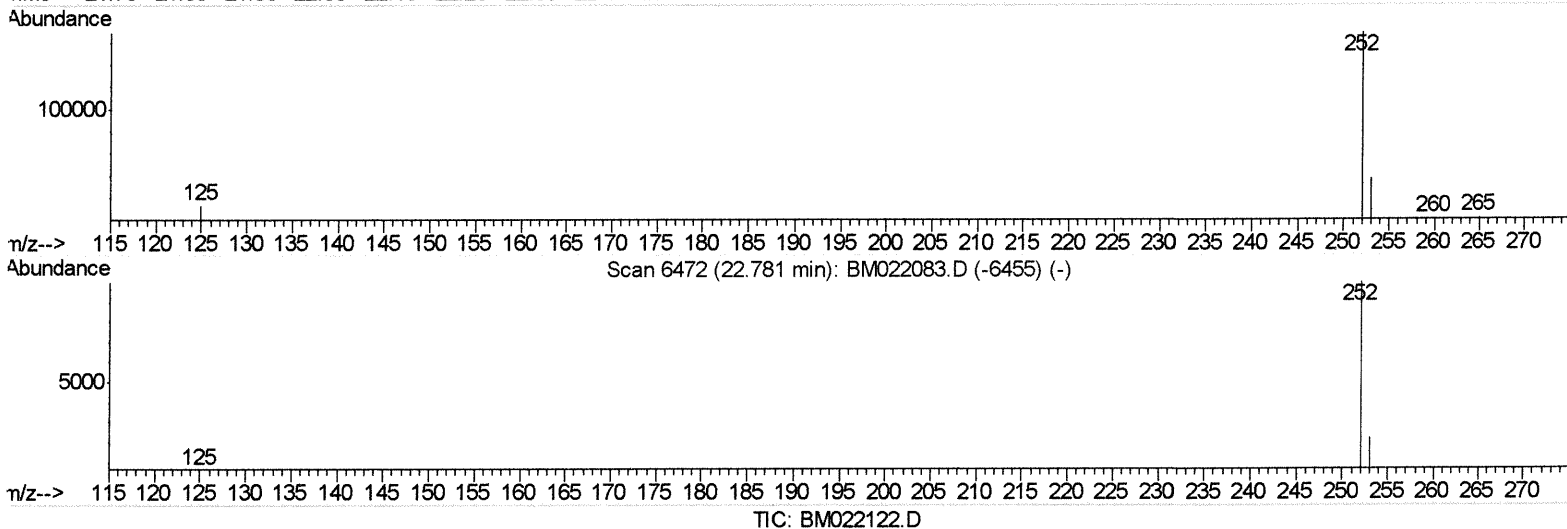
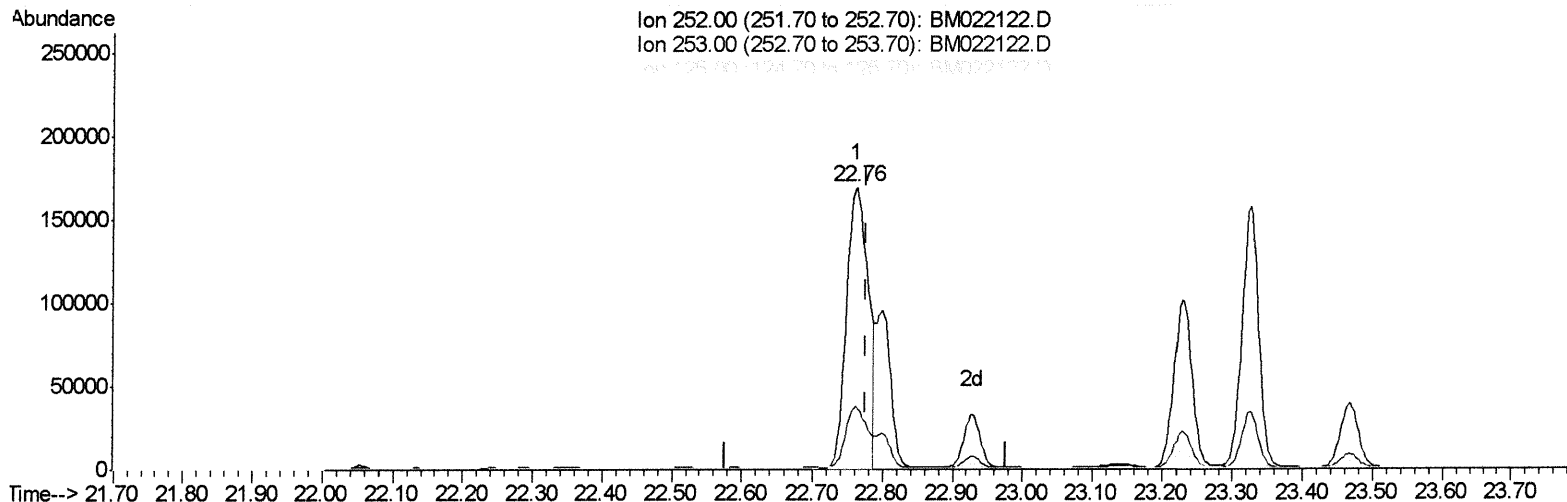
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:30:42 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.762min (-0.014) 22.61ng/ul m *JU 08/15/19*

response 365132

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.25
125.00	15.50	7.93
0.00	0.00	0.00

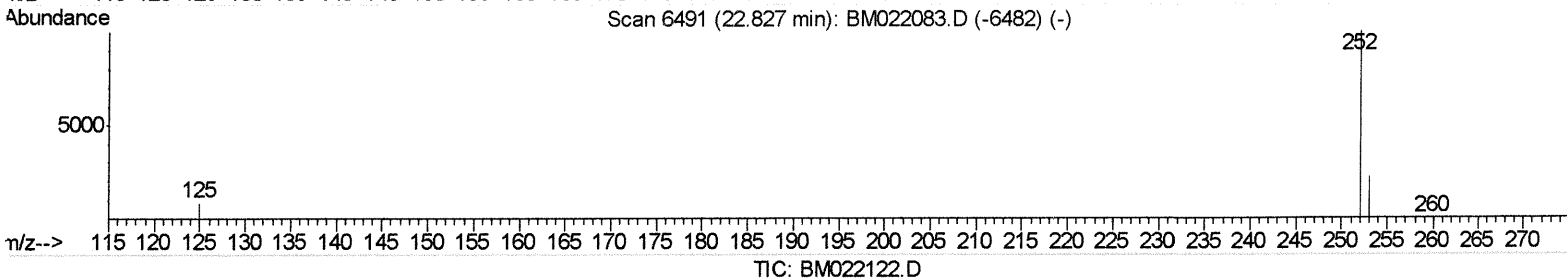
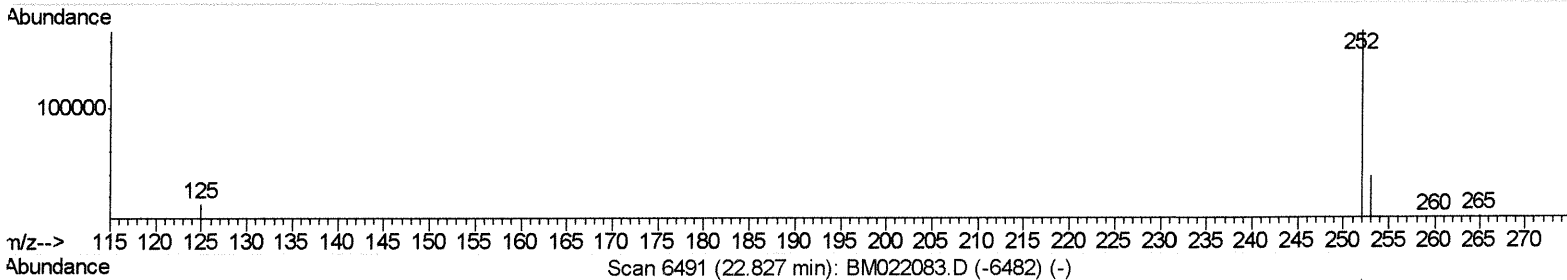
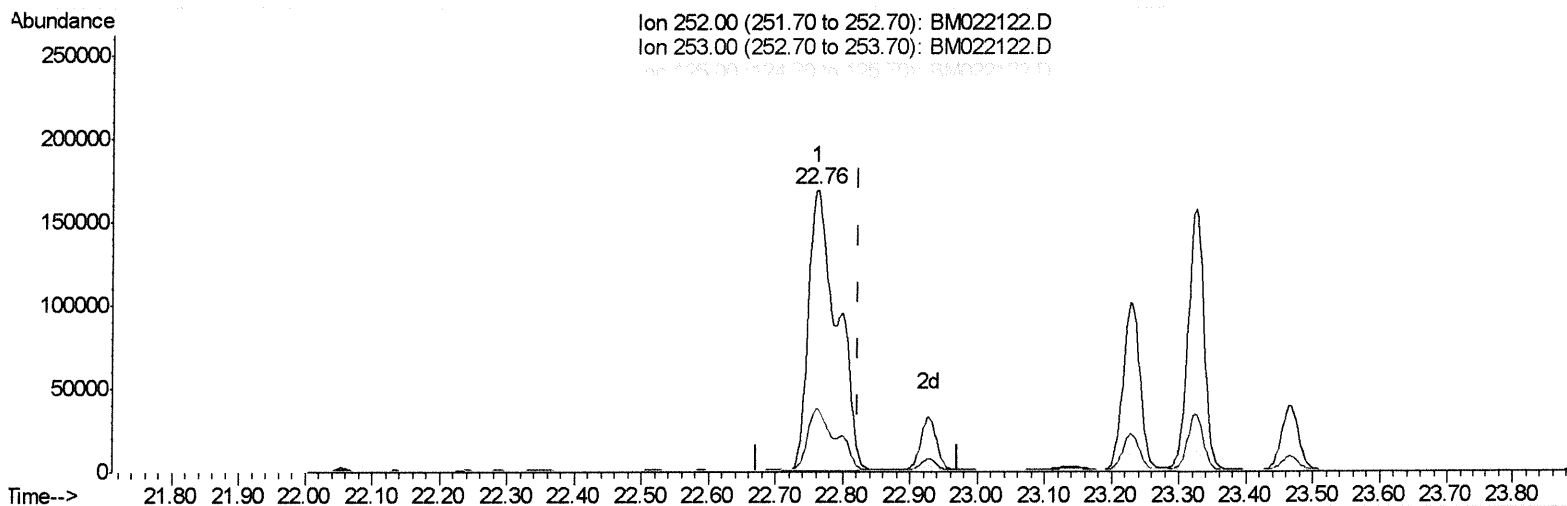
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:31:14 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.762min (-0.060) 27.54ng/ul

response 503233

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.25#
125.00	15.20	7.93#
0.00	0.00	0.00

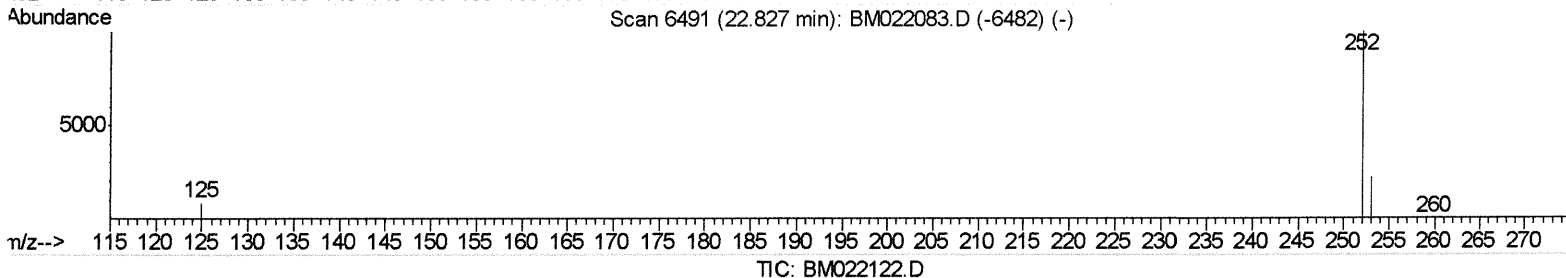
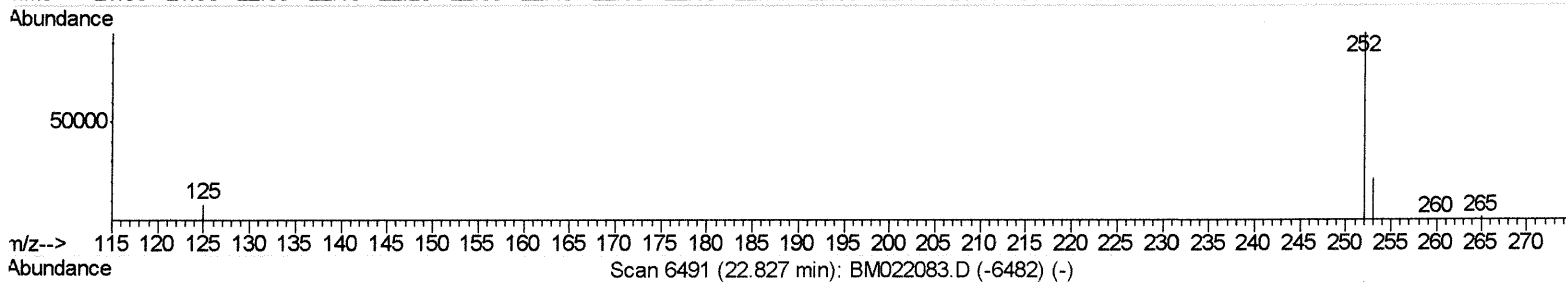
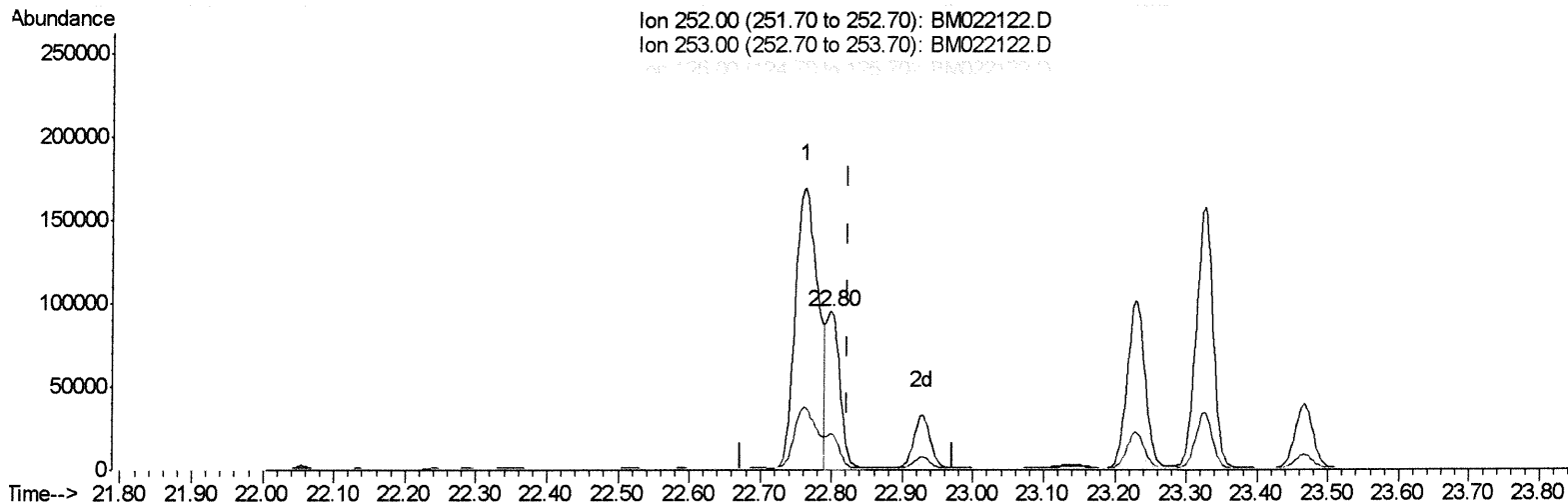
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:31:14 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.798min (-0.024) 7.19ng/ul m

JU
 08/15/19

response 131370

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.44#
125.00	15.20	8.72#
0.00	0.00	0.00

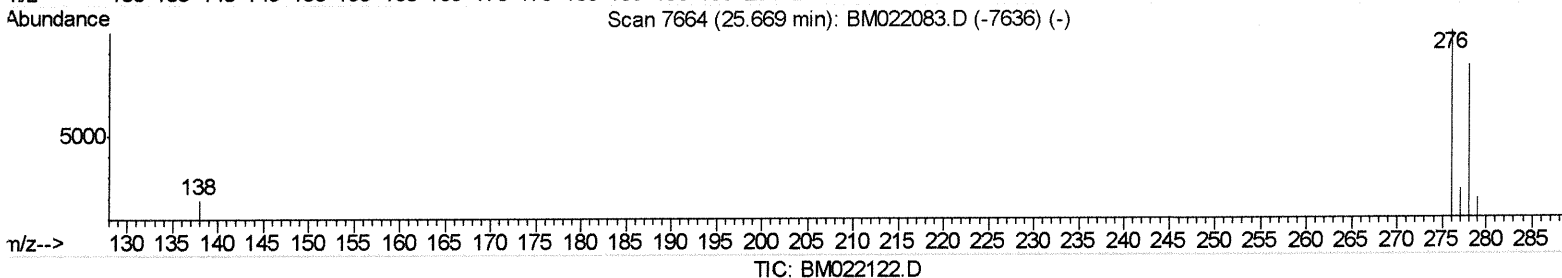
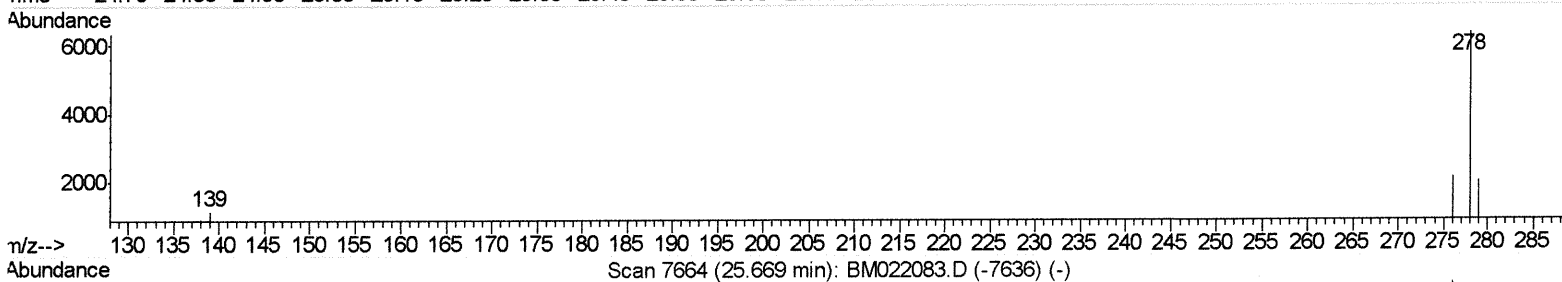
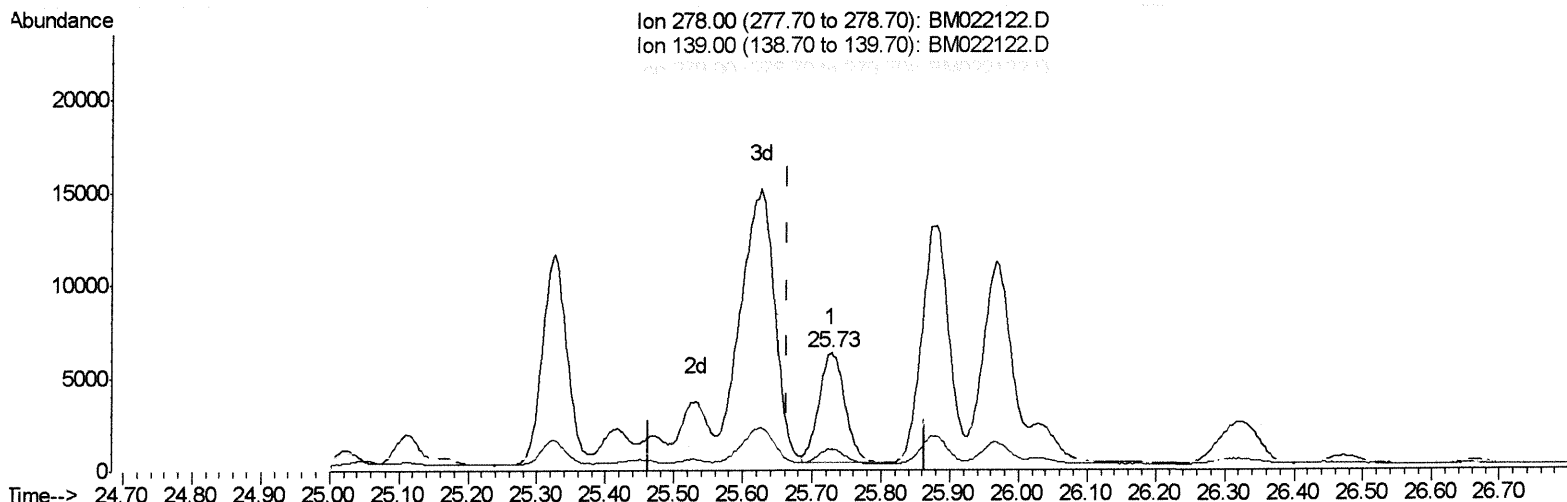
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:31:14 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.728min (+0.063) 0.98ng/ul

response 15566

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	18.41
279.00	35.40	31.58
0.00	0.00	0.00

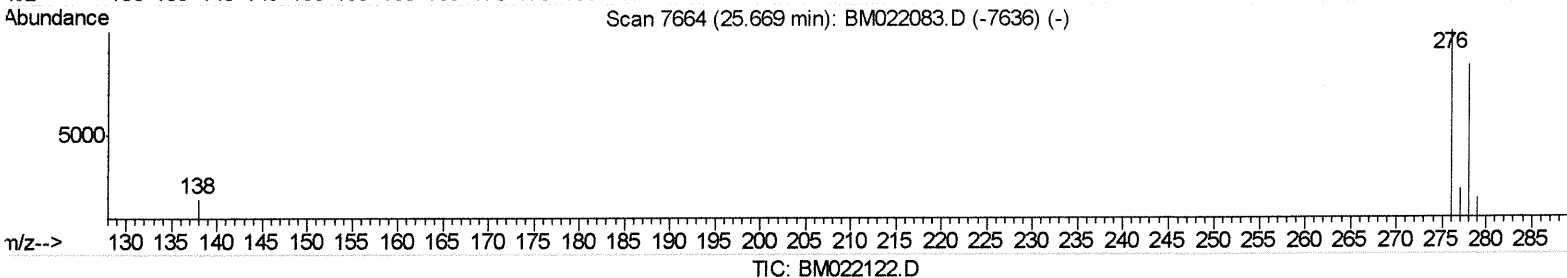
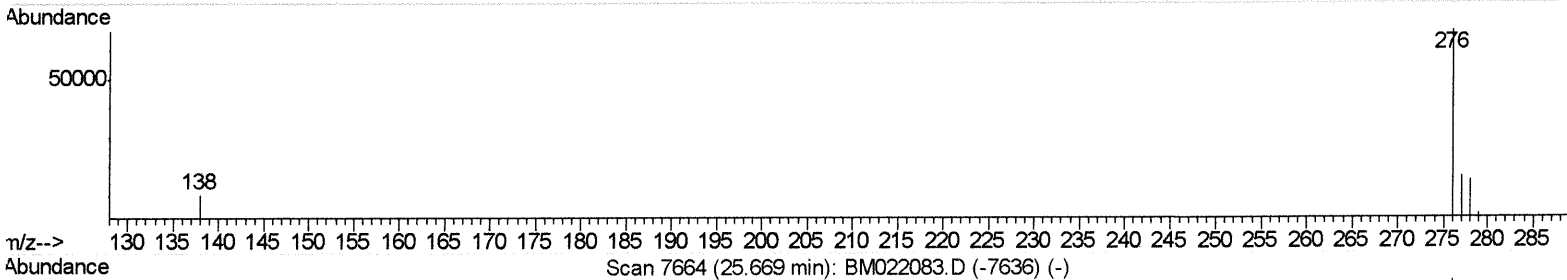
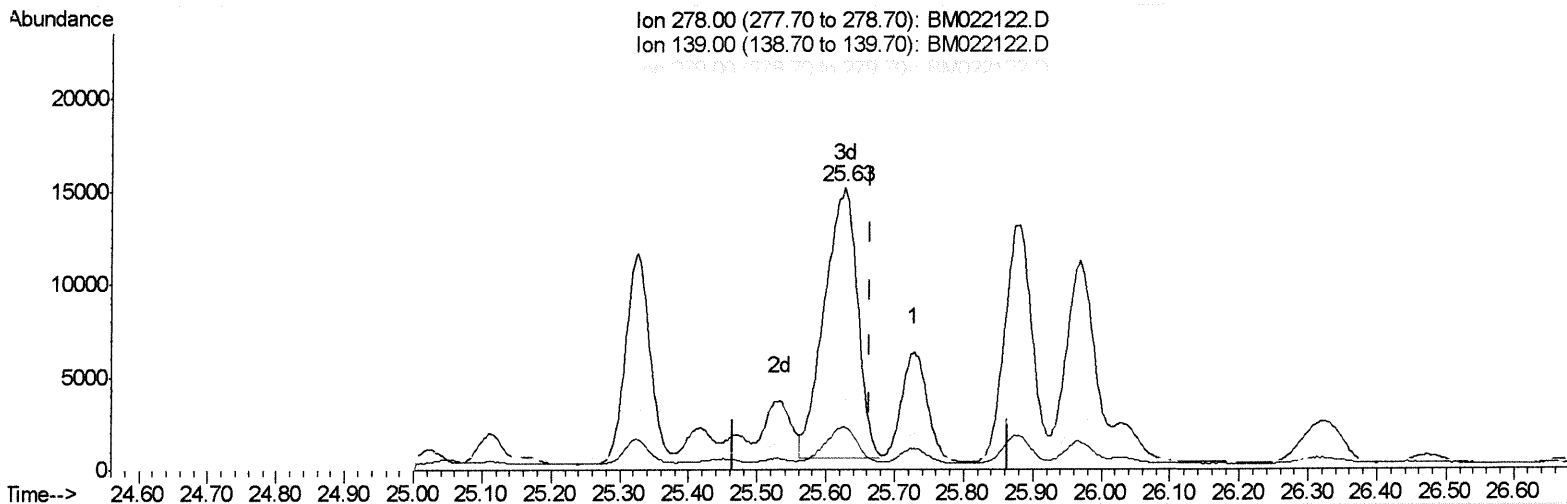
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:31:14 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.626min (-0.038) 3.09ng/ul m

JU
 08/15/19

response 48912

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	15.44
279.00	35.40	25.33#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022122.D
 Acq On : 14 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4304-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N8

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:32:56 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 : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	875	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3672	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	2066	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4725m →	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4750m →	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4789m →	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	2754	0.45	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	7026m →	0.44	ng/ul	-0.02
Target Compounds						
					Qvalue	
3) Naphthalene	10.42	128	23085	2.226	ng/ul#	92
5) 2-Methylnaphthalene	12.05	142	8338	1.207	ng/ul	97
7) Acenaphthylene	13.97	152	13490	1.400	ng/ul#	82
8) Acenaphthene	14.31	153	21201	2.689	ng/ul	96
9) Fluorene	15.31	166	22373	2.555	ng/ul	99
12) Phenanthrene	17.05	178	354561m →	25.790	ng/ul	97
13) Anthracene	17.14	178	80277m →	6.845	ng/ul	97
15) Fluoranthene	19.08	202	604567m →	32.827	ng/ul	97
17) Pyrene	19.44	202	508165	26.034	ng/ul	97
18) Benzo(a)anthracene	21.20	228	295963m →	17.419	ng/ul	97
19) Chrysene	21.25	228	269532	12.335	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	365132m →	22.610	ng/ul	97
22) Benzo(k)fluoranthene	22.80	252	131370m →	7.188	ng/ul	97
23) Benzo(a)pyrene	23.32	252	258770	15.756	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.63	276	176707	9.011	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.63	278	48912m →	3.086	ng/ul	97
26) Benzo(g,h,i)perylene	26.30	276	148899	8.434	ng/ul	95

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