

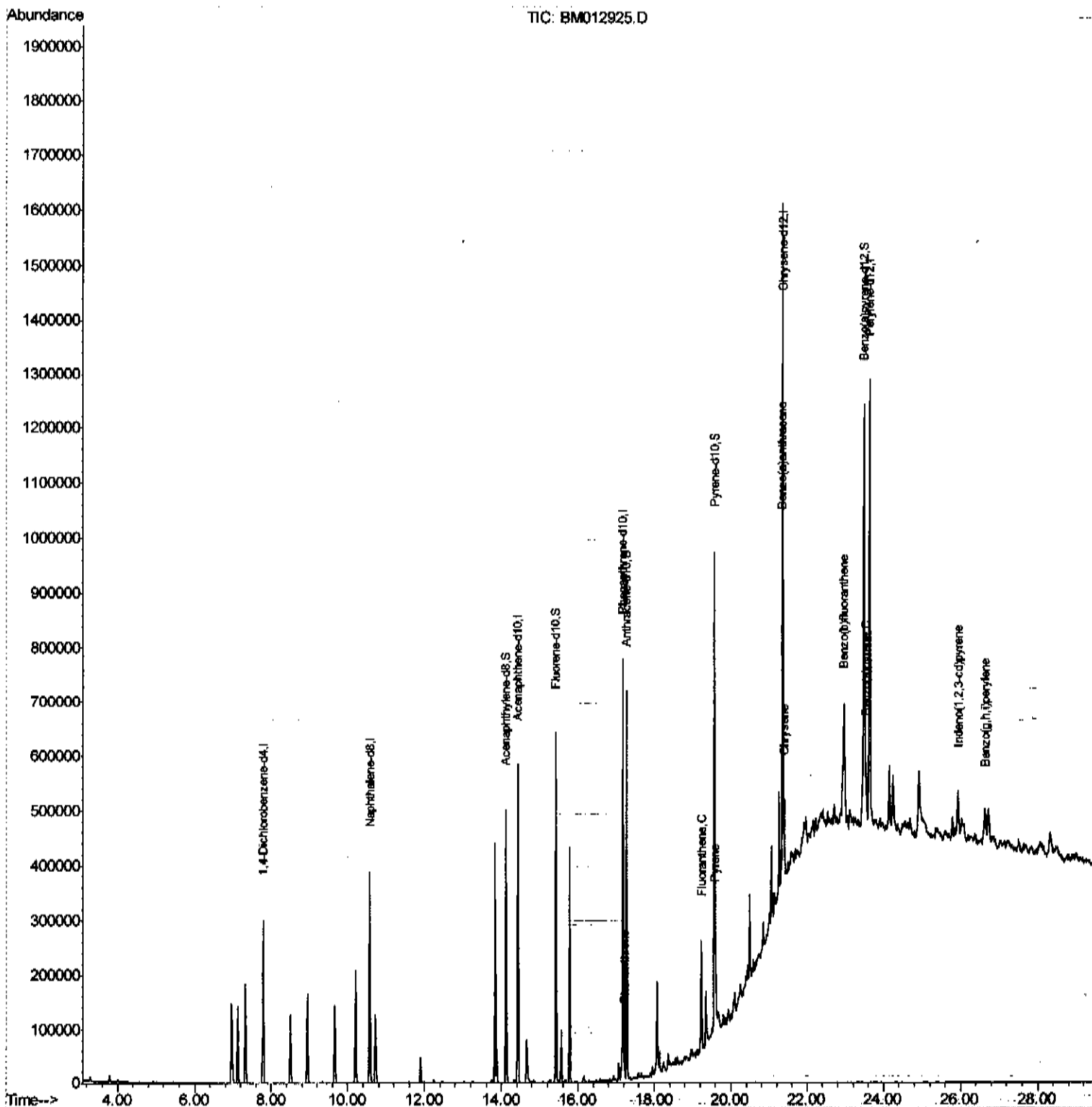
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012925.D
Acq On : 12 Nov 2017 04:51
Operator : SJ/JU
Sample : I6317-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
Client Sampled :
DAHJ9

Manual Integrations
APPROVED

SOHIL
11/13/2017 4:50:07 PM

Quant Time: Nov 13 03:54:00 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration



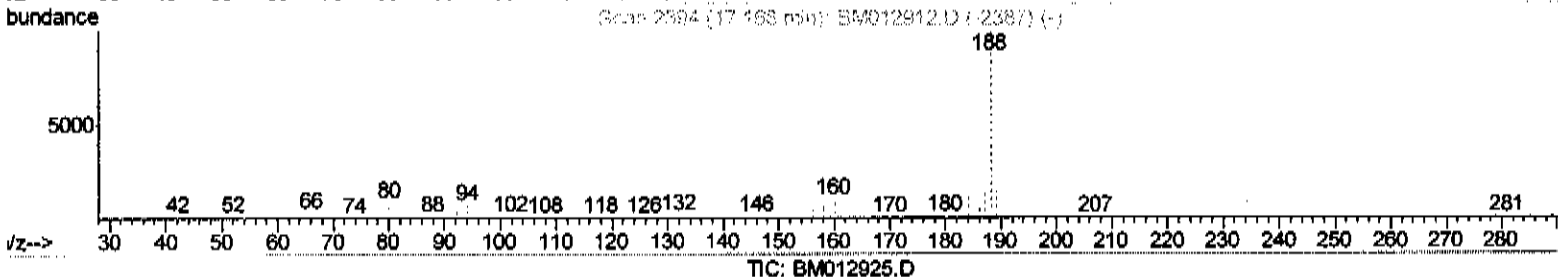
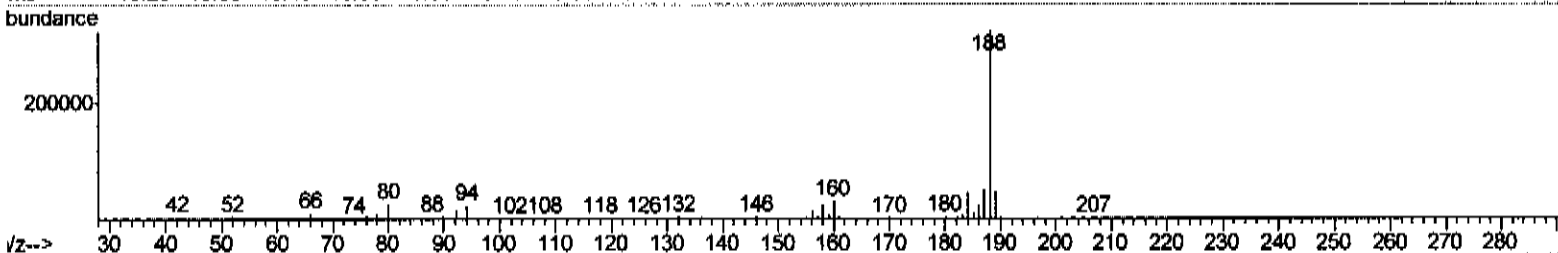
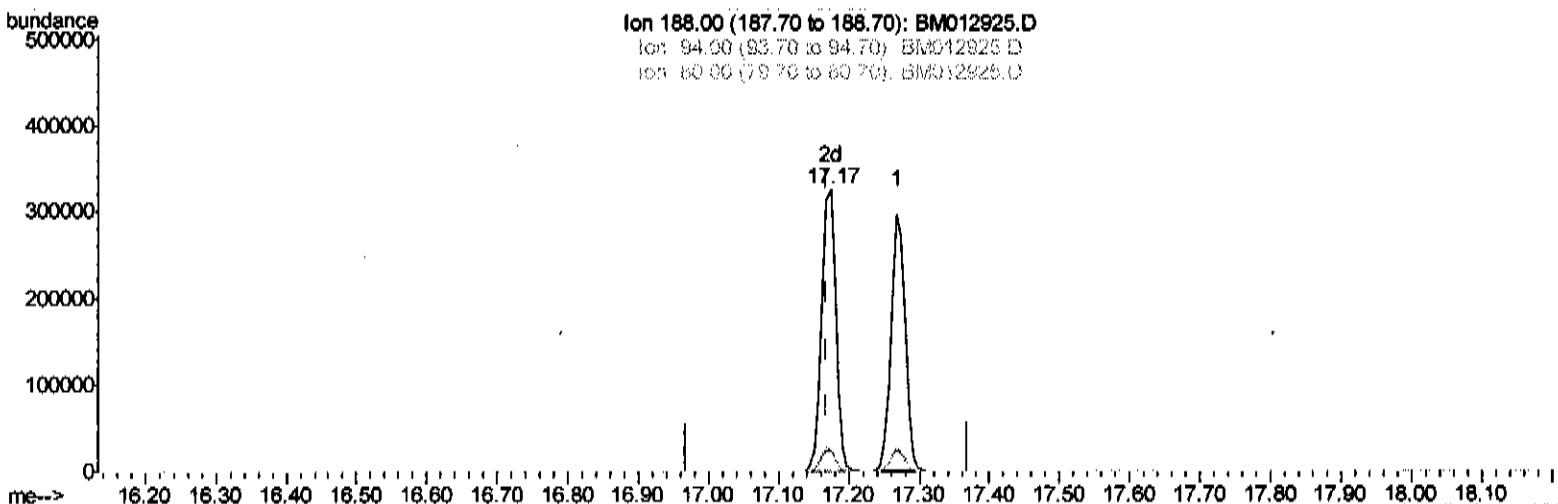
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
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Manual Integrations
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Quant Time: Nov 13 03:47:41 2017
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(12) Phenanthrene-d10 (I)

17.174min (+0.006) 20.00ng/ul m

response 464269

Ion	Exp%	Act%
188.00	100	100
94.00	9.30	7.12#
80.00	10.60	7.86#
0.00	0.00	0.00

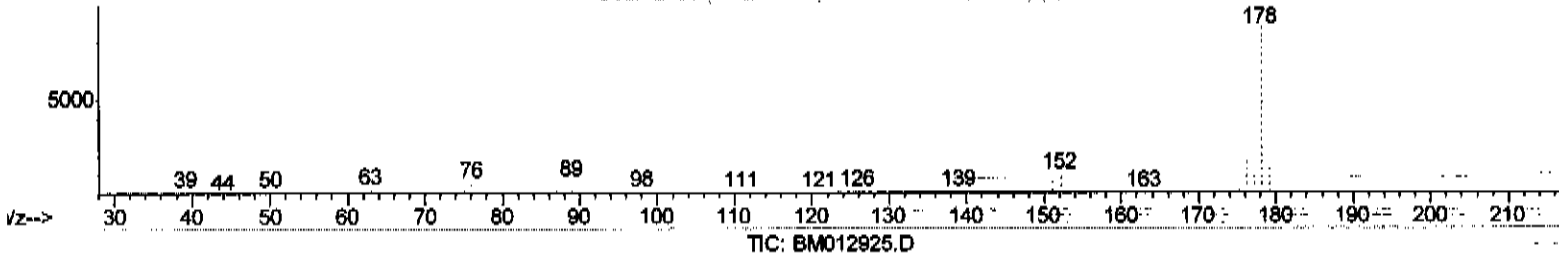
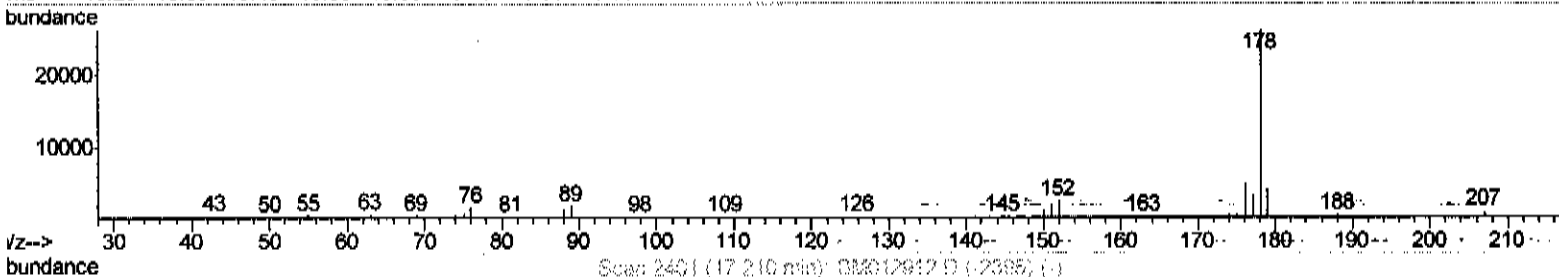
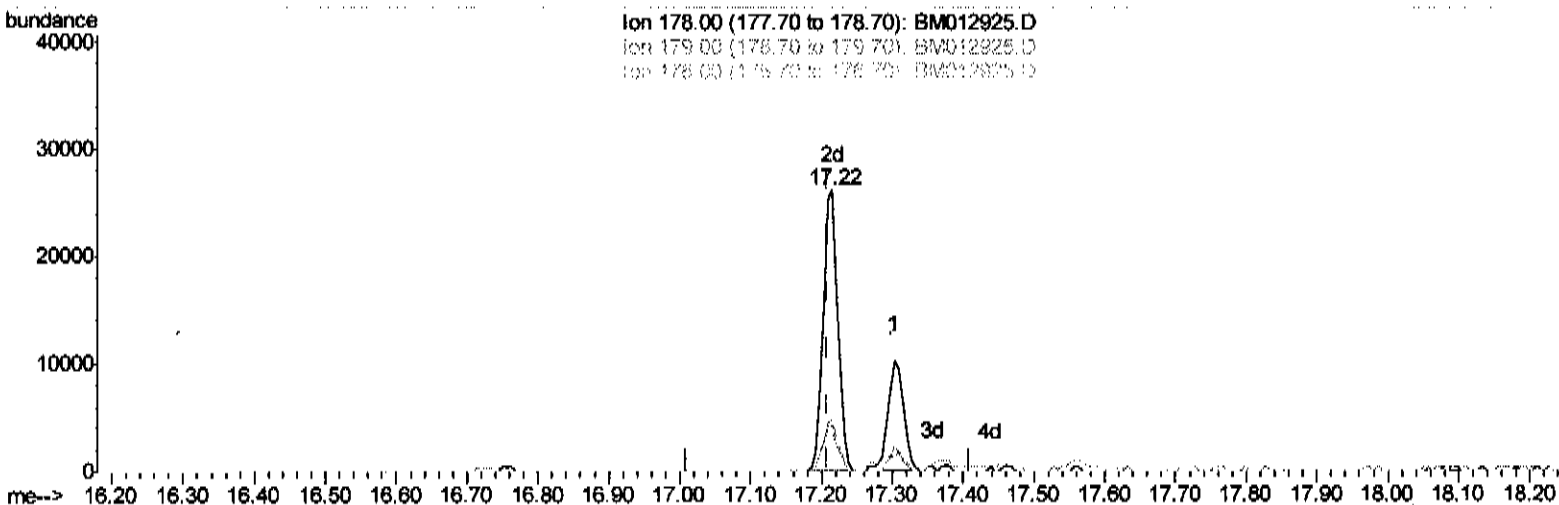
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 Data File : BM012925.D
 Acq On : 12 Nov 2017 04:51
 Operator : SJ/JU
 Sample : I6317-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

SOHIL
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TIC: BM012925.D

(13) Phenanthrene

17.215min (+0.006) 1.46ng/ul m

response 37422

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.02
176.00	18.90	18.67
0.00	0.00	0.00

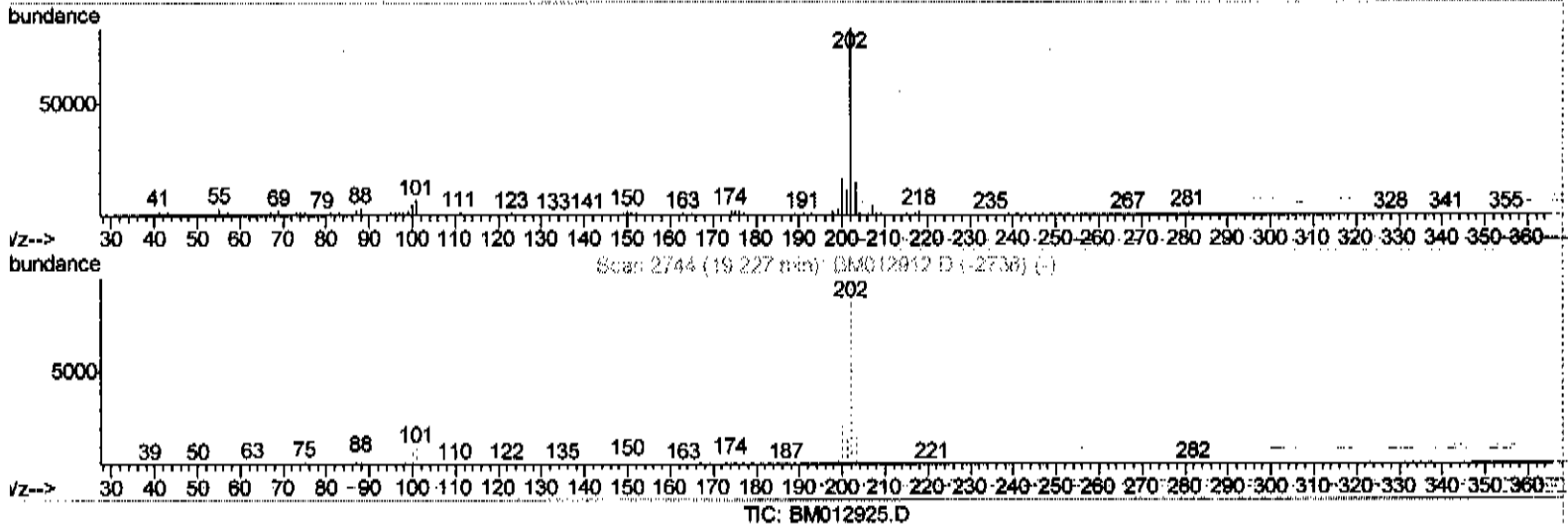
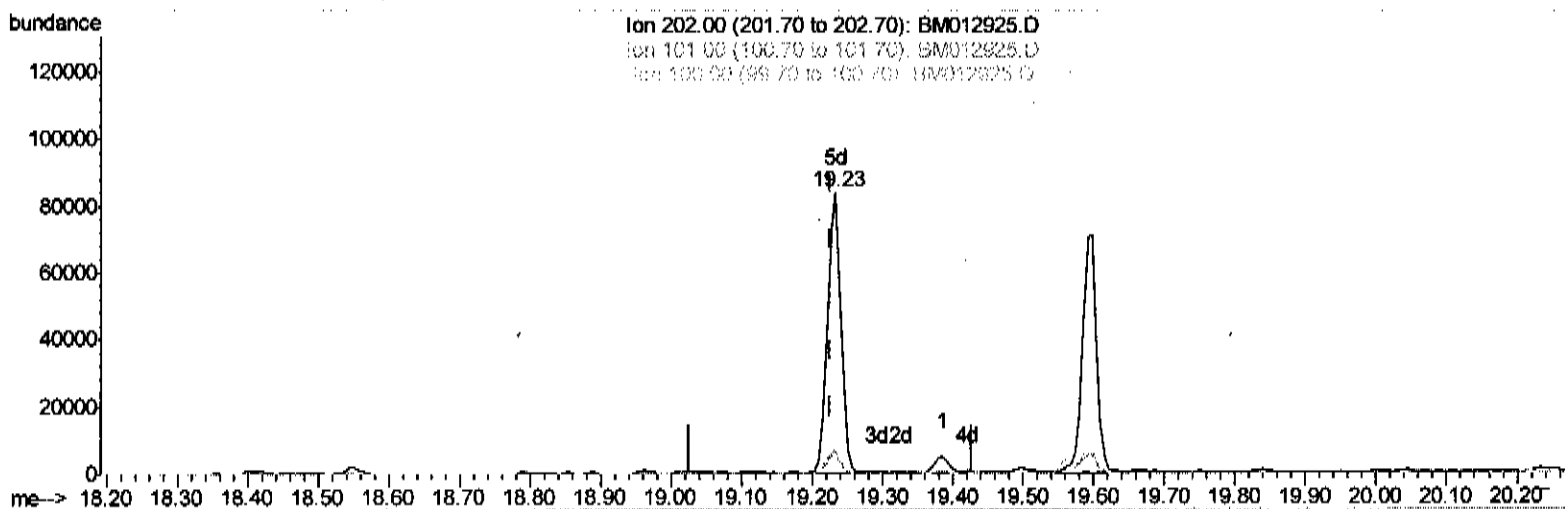
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012925.D
Acq On : 12 Nov 2017 04:51
Operator : SJ/JU
Sample : I6317-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
DAHJ9

Manual Integrations
APPROVED

SOHIL
11/13/2017 4:50:07 PM

Quant Time: Nov 13 03:47:41 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
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(16) Fluoranthene (C)

19.233min (+0.006) 3.52ng/ul m

response 110950

Ion	Exp%	Act%
202.00	100	100
101.00	12.40	8.29#
100.00	9.20	5.55#
0.00	0.00	0.00

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 Data File : BM012925.D
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 Operator : SJ/JU
 Sample : I6317-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

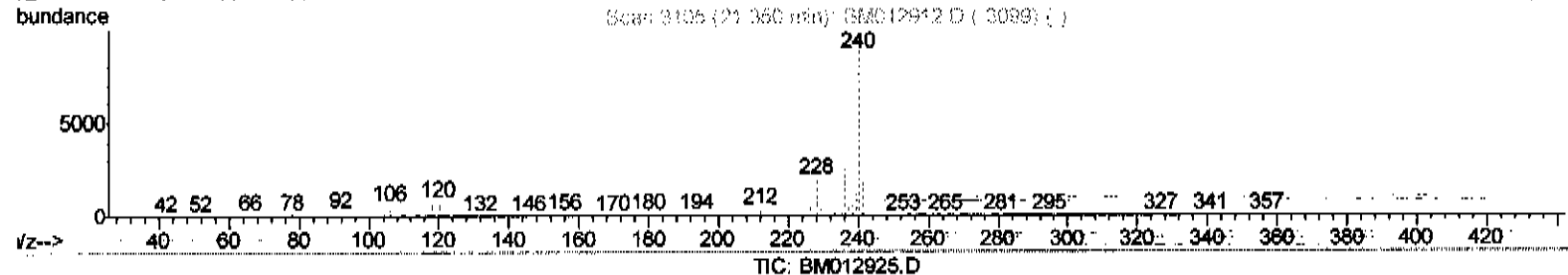
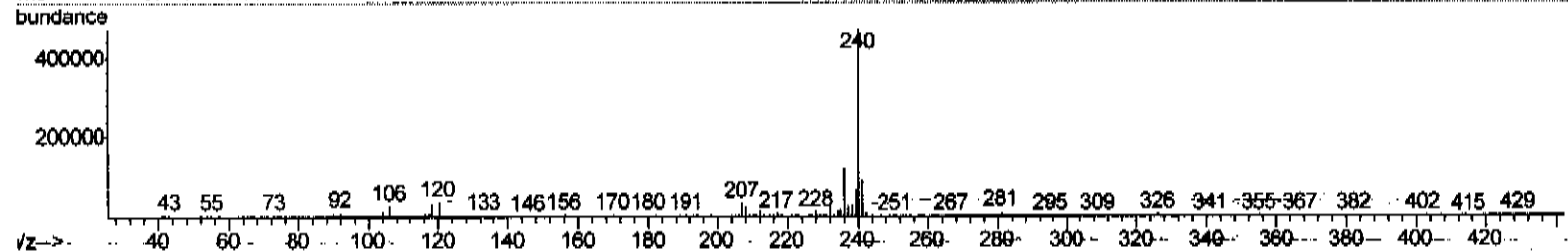
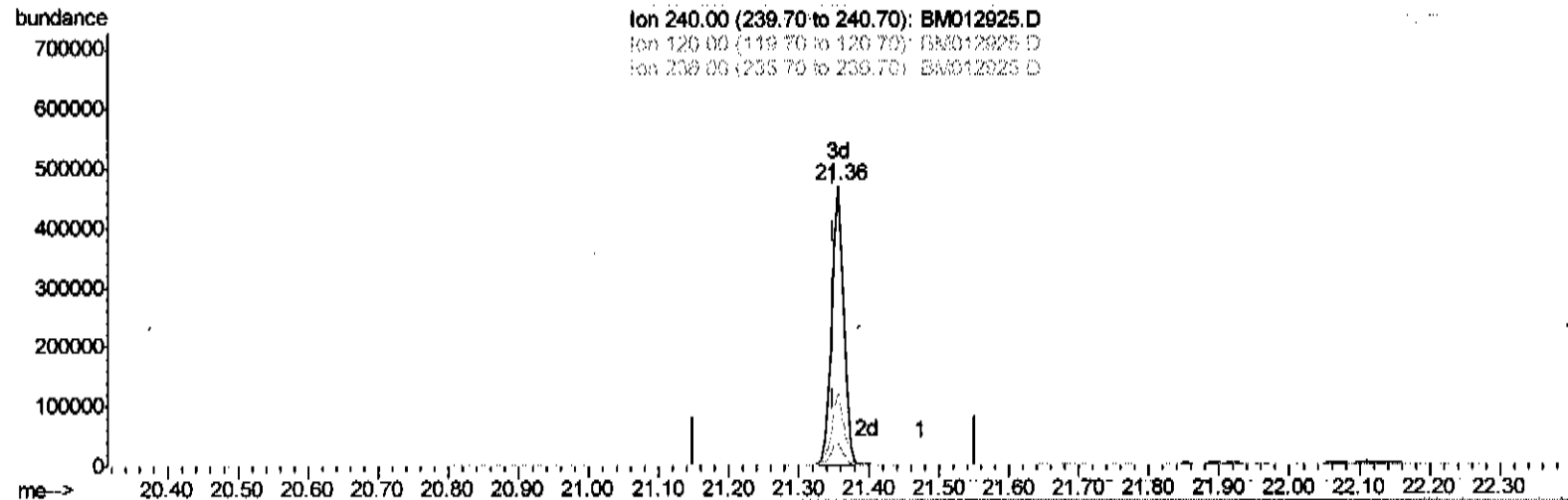
Instrument :
 BNA_M
 ClientSampleId :
 DAHJ9

Manual Integrations
 APPROVED

SOHIL
 11/13/2017 4:50:07 PM

Quant Time: Nov 13 03:47:41 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
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Ion 240.00 (239.70 to 240.70): BM012925.D
 Ion 120.00 (119.70 to 120.70): BM012925.D
 Ion 236.00 (235.70 to 236.70): BM012925.D



TIC: BM012925.D

(17) Chrysene-d12 (I)

21.356min (+0.006) 20.00ng/ul m

response 553156

Ion	Exp%	Act%
240.00	100	100
120.00	10.20	7.71#
236.00	27.20	25.26
0.00	0.00	0.00

Handwritten signature: SJ 11/13/17

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012925.D
 Acq On : 12 Nov 2017 04:51
 Operator : SJ/JU
 Sample : I6317-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DAHJ9

Manual Integrations
 APPROVED

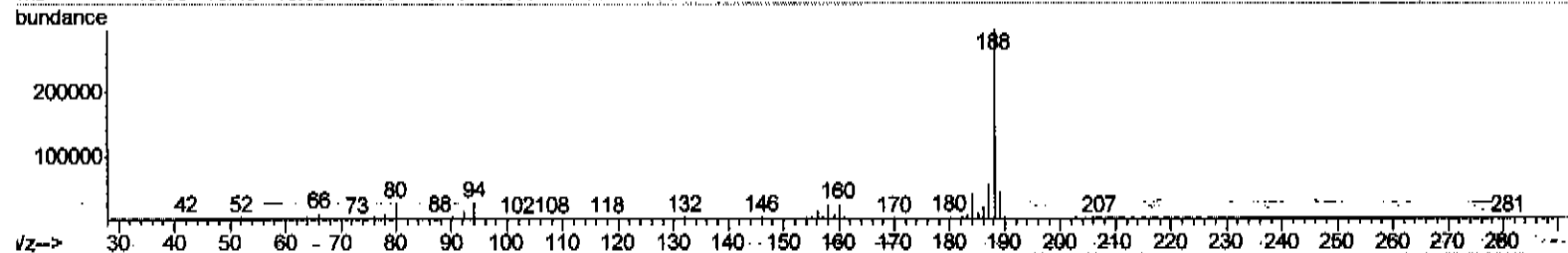
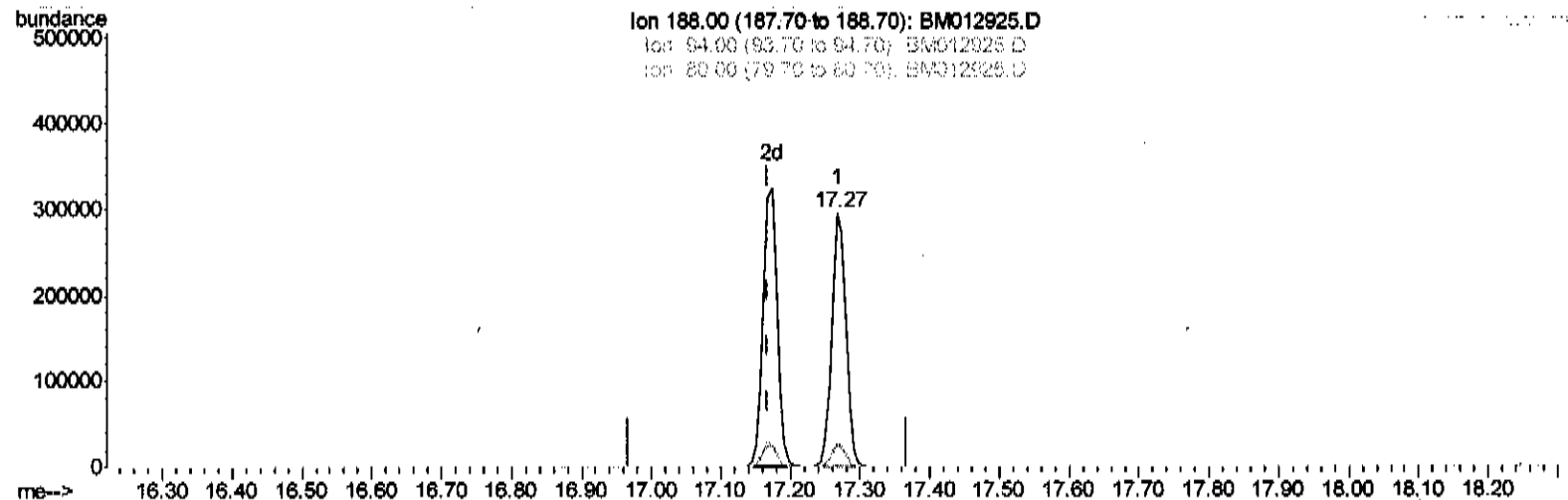
SOHIL
 11/13/2017 4:50:07 PM

Quant Time: Nov 13 03:51:28 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 13 02:06:47 2017
 Response via : Initial Calibration

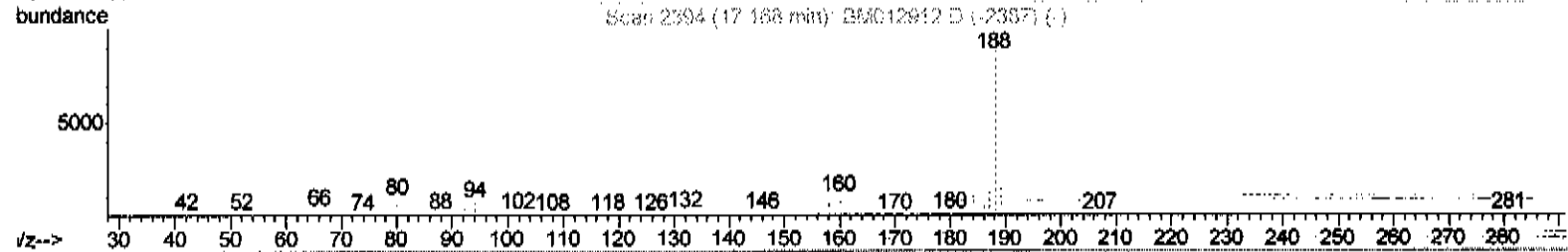
Ion 188.00 (187.70 to 188.70): BM012925.D

Ion 94.00 (93.70 to 94.70): BM012925.D

Ion 80.00 (79.70 to 80.70): BM012925.D



Scan 2394 (17.188 min): BM012925.D (-2387) (-)



TIC: BM012925.D

(12) Phenanthrene-d10 (I)

17.268min (+0.100) 20.00ng/ul

response 408897

Ion	Exp%	Act%
188.00	100	100
94.00	9.30	8.79
80.00	10.60	8.59
0.00	0.00	0.00

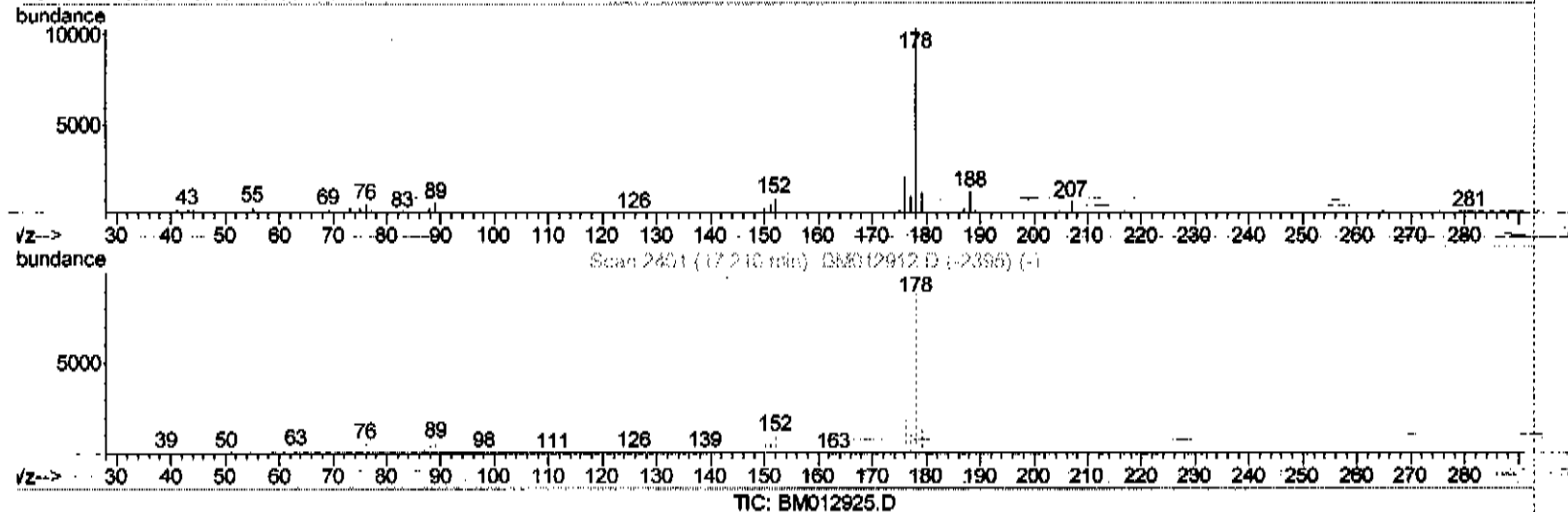
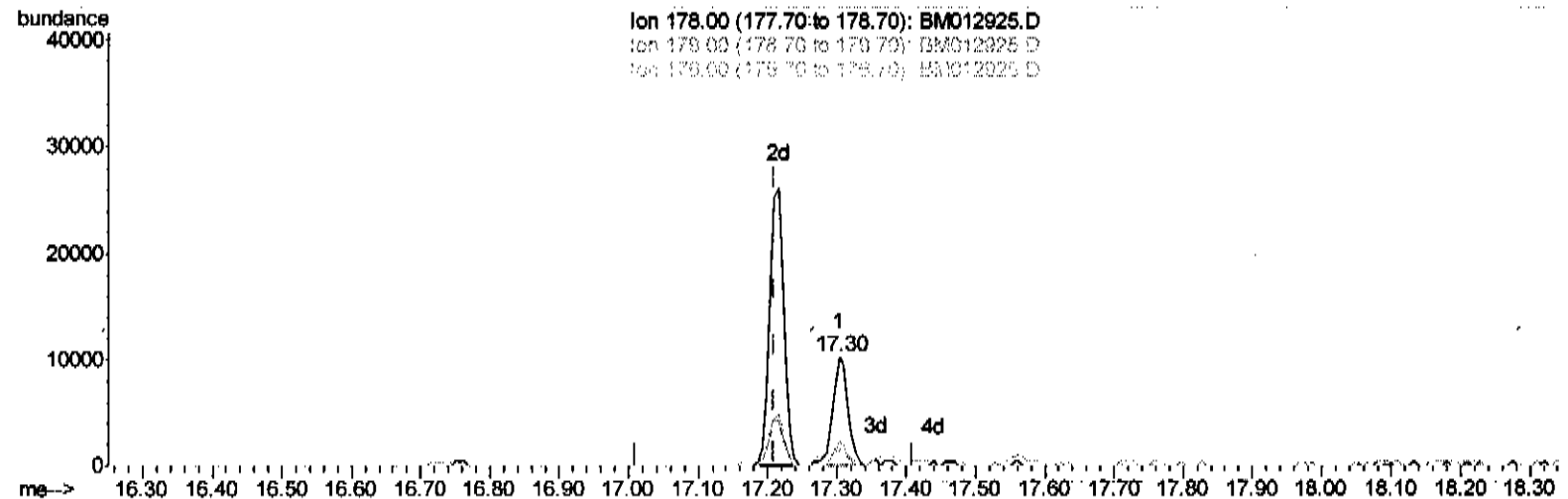
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012925.D
 Acq On : 12 Nov 2017 04:51
 Operator : SJ/JU
 Sample : I6317-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 DAHJ9

Manual Integrations
 APPROVED

SOHIL
 11/13/2017 4:50:07 PM

Quant Time: Nov 13 03:51:28 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
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 Response via : Initial Calibration



(13) Phenanthrene

17.304min (+0.094) 0.69ng/ul

response 15591

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	13.51
176.00	18.90	21.69
0.00	0.00	0.00

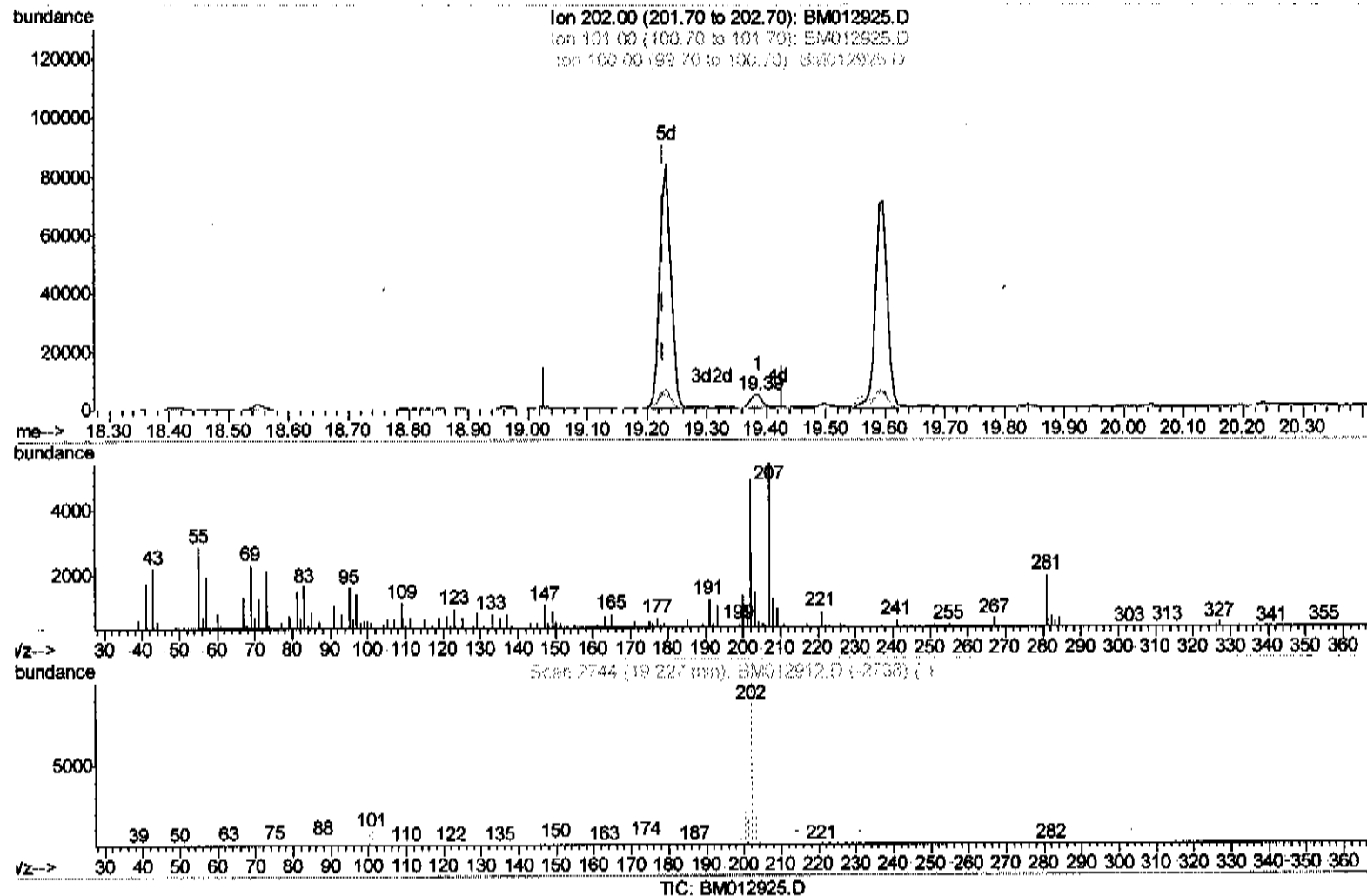
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012925.D
 Acq On : 12 Nov 2017 04:51
 Operator : SJ/JU
 Sample : I6317-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 DAHJ9

Manual Integrations
 APPROVED

SOHIL
 11/13/2017 4:50:07 PM

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 Response via : Initial Calibration



(16) Fluoranthene (C)

19.386min (+0.159) 0.23ng/ul

response 6353

Ion	Exp%	Act%
202.00	100	100
101.00	12.40	10.03
100.00	9.20	10.44
0.00	0.00	0.00

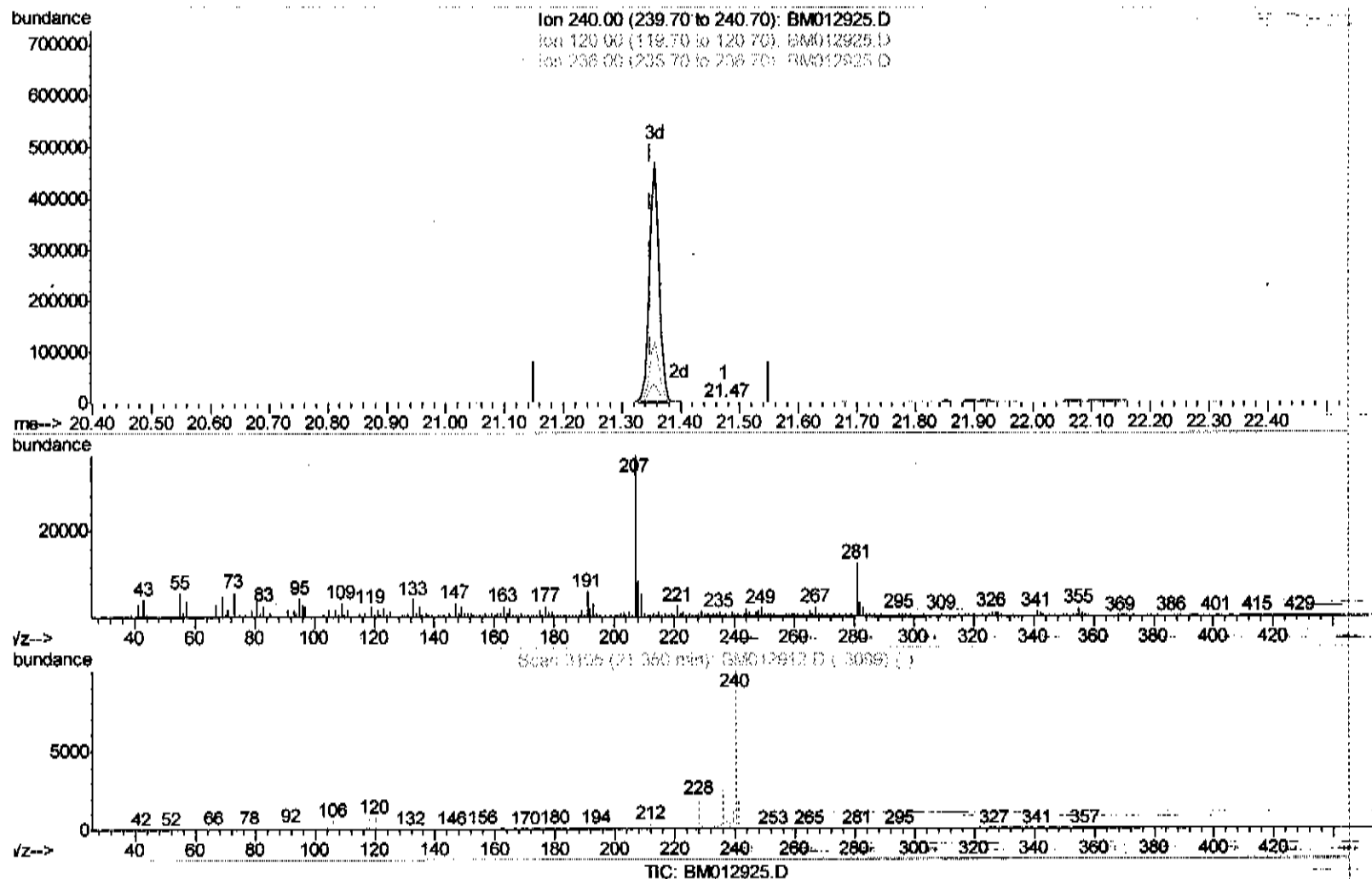
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012925.D
 Acq On : 12 Nov 2017 04:51
 Operator : SJ/JU
 Sample : I6317-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 DAHJ9

Manual Integrations
 APPROVED

SOHIL
 11/13/2017 4:50:07 PM

Quant Time: Nov 13 03:51:28 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 13 02:06:47 2017
 Response via : Initial Calibration



(17) Chrysene-d12 (I)

21.474min (+0.123) 20.00ng/ul

response 656

Ion	Exp%	Act%
240.00	100	100
120.00	10.20	101.52#
236.00	27.20	65.27#
0.00	0.00	0.00

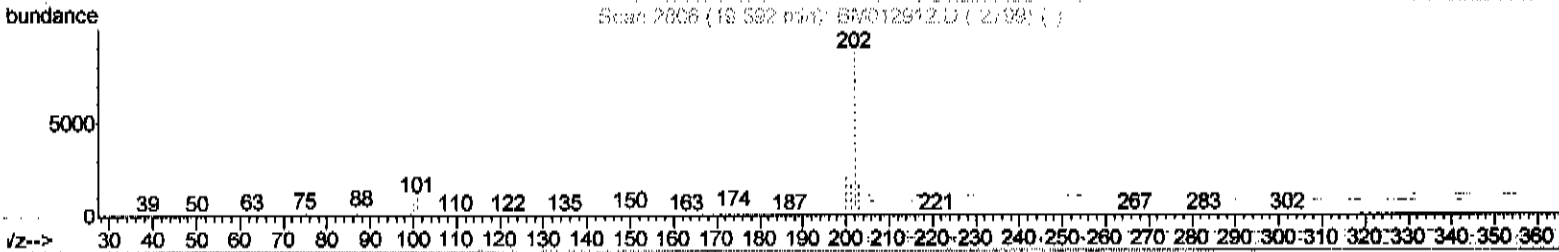
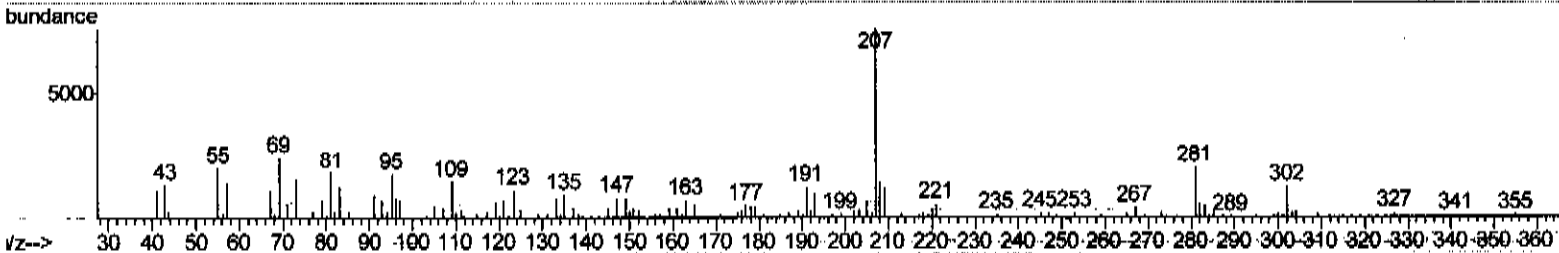
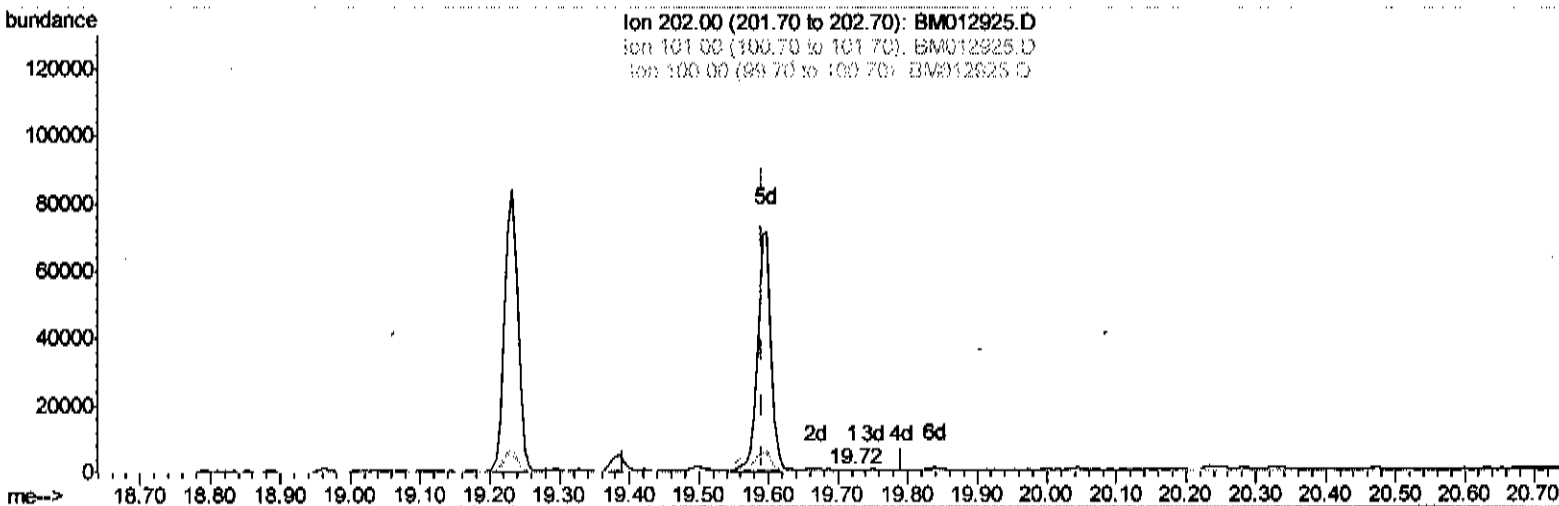
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012925.D
 Acq On : 12 Nov 2017 04:51
 Operator : SJ/JU
 Sample : I6317-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 DAHJ9

Manual Integrations
 APPROVED

SOHIL
 11/13/2017 4:50:07 PM

Quant Time: Nov 13 03:47:41 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
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TIC: BM012925.D

(19) Pyrene

19.721min (+0.129) 0.02ng/ui

response 495

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	0.00#
100.00	10.10	0.00#
0.00	0.00	0.00

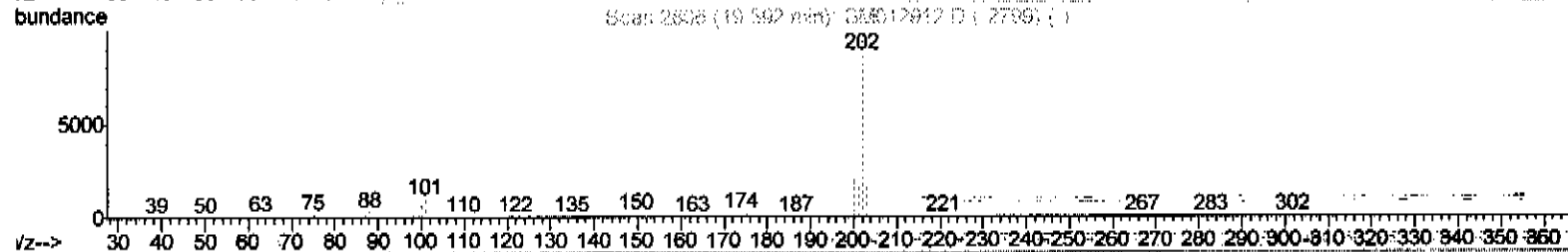
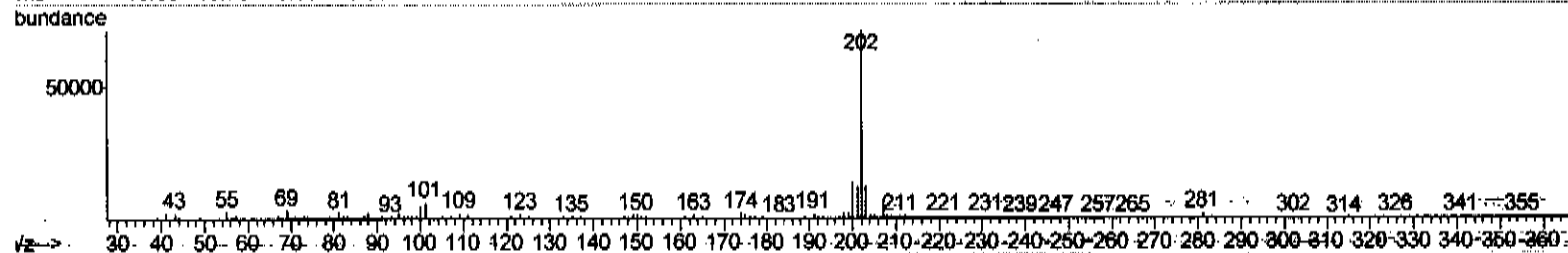
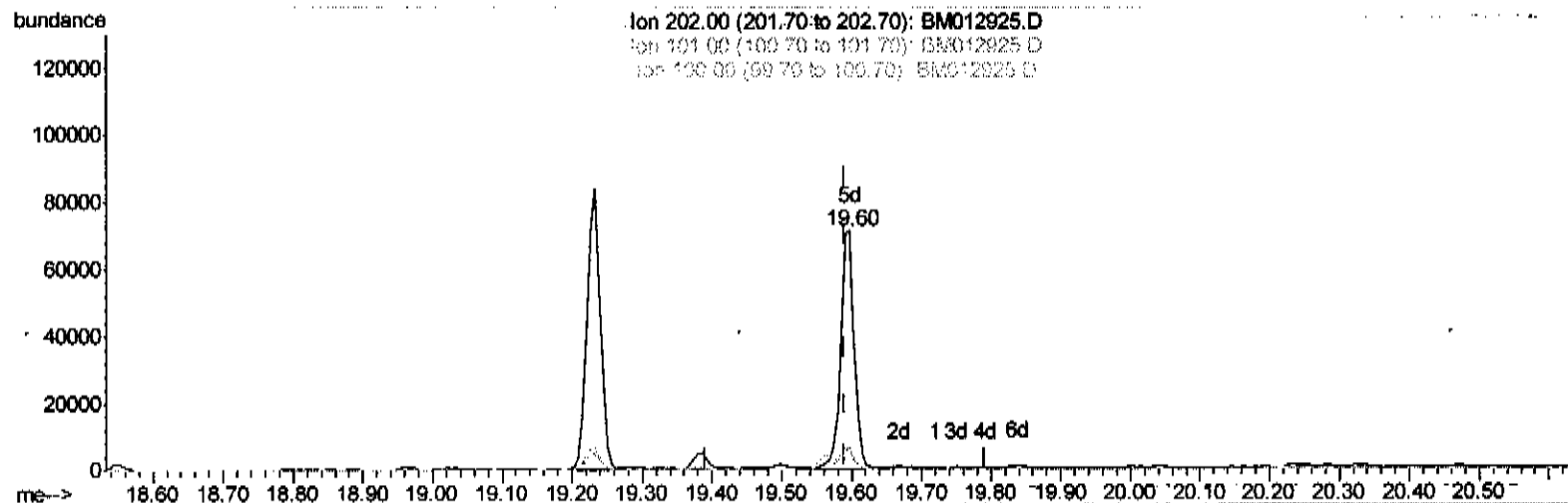
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012925.D
 Acq On : 12 Nov 2017 04:51
 Operator : SJ/JU
 Sample : I6317-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

SOHIL
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TIC: BM012925.D

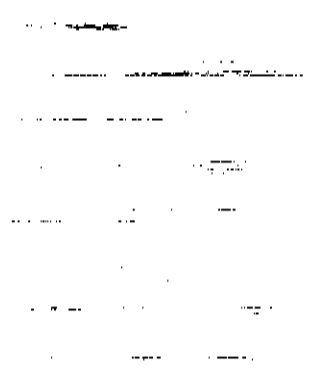
(19) Pyrene

19.598min (+0.006) 3.06ng/ul m

response 97109

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	8.92#
100.00	10.10	7.46#
0.00	0.00	0.00

3911/13/12



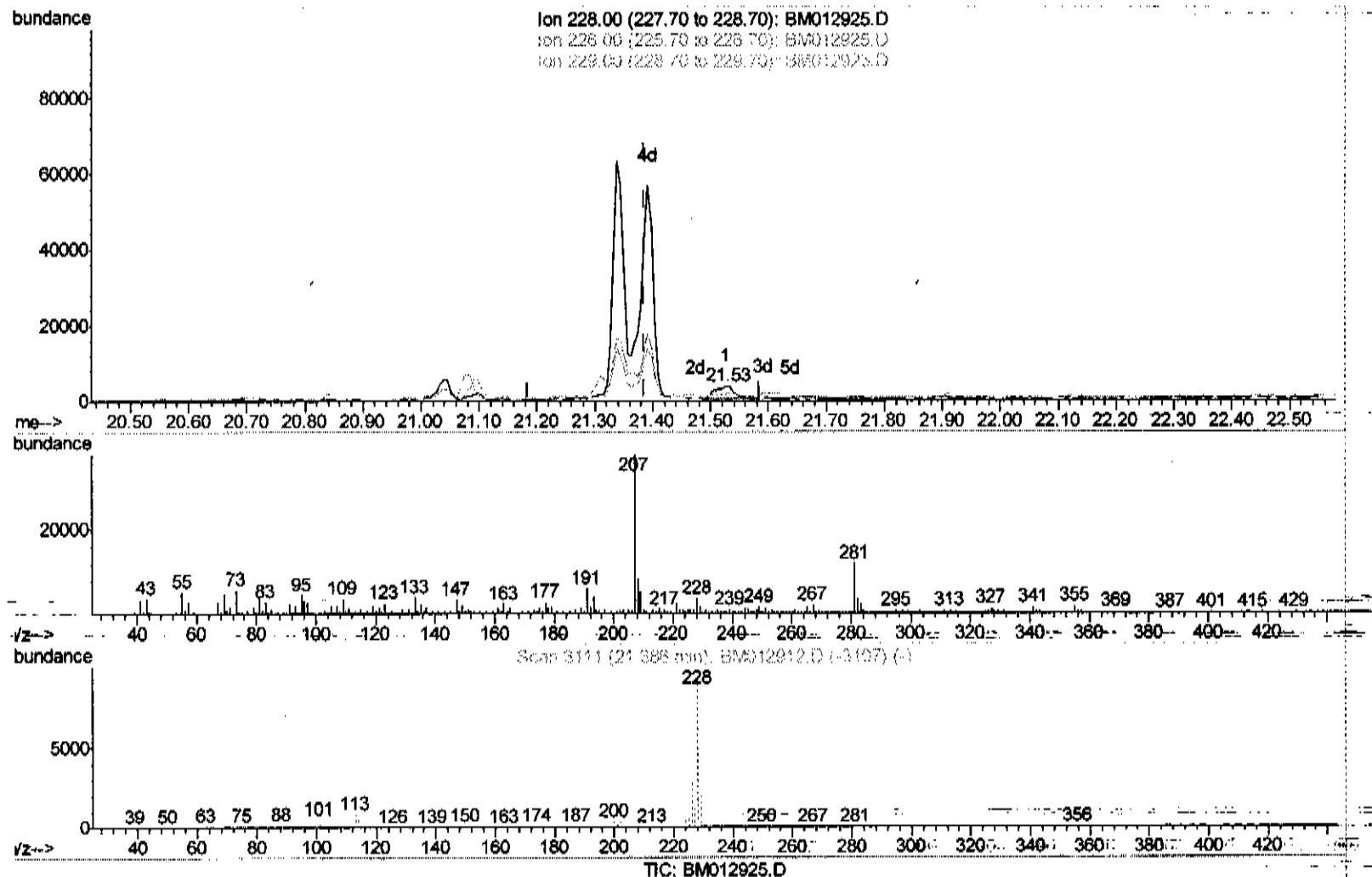
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 DAHJ9

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(21) Chrysene

21.527min (+0.141) 0.25ng/ul

response 7733

Ion	Exp%	Act%
228.00	100	100
226.00	30.60	35.23
229.00	19.80	48.10#
0.00	0.00	0.00

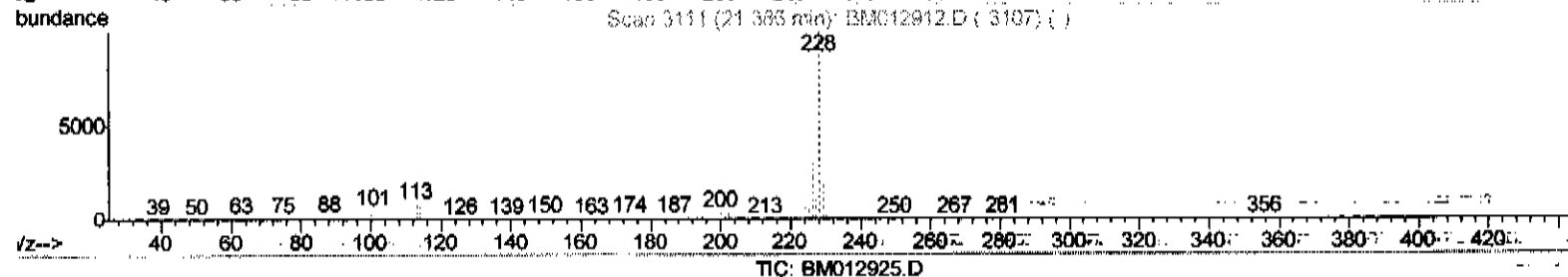
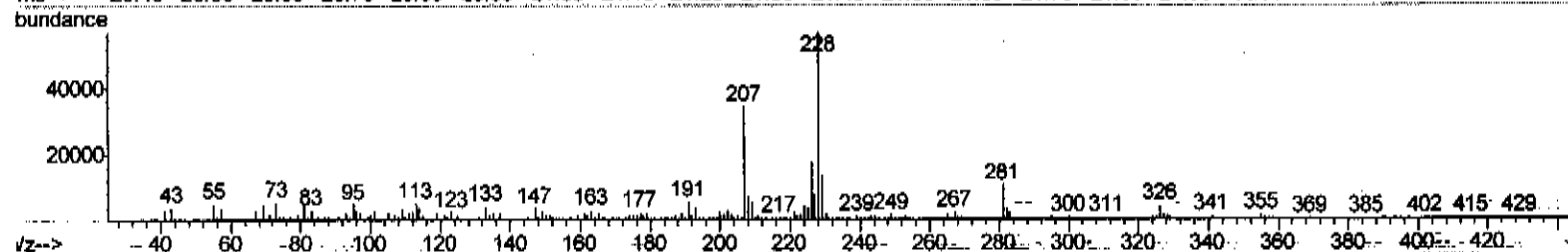
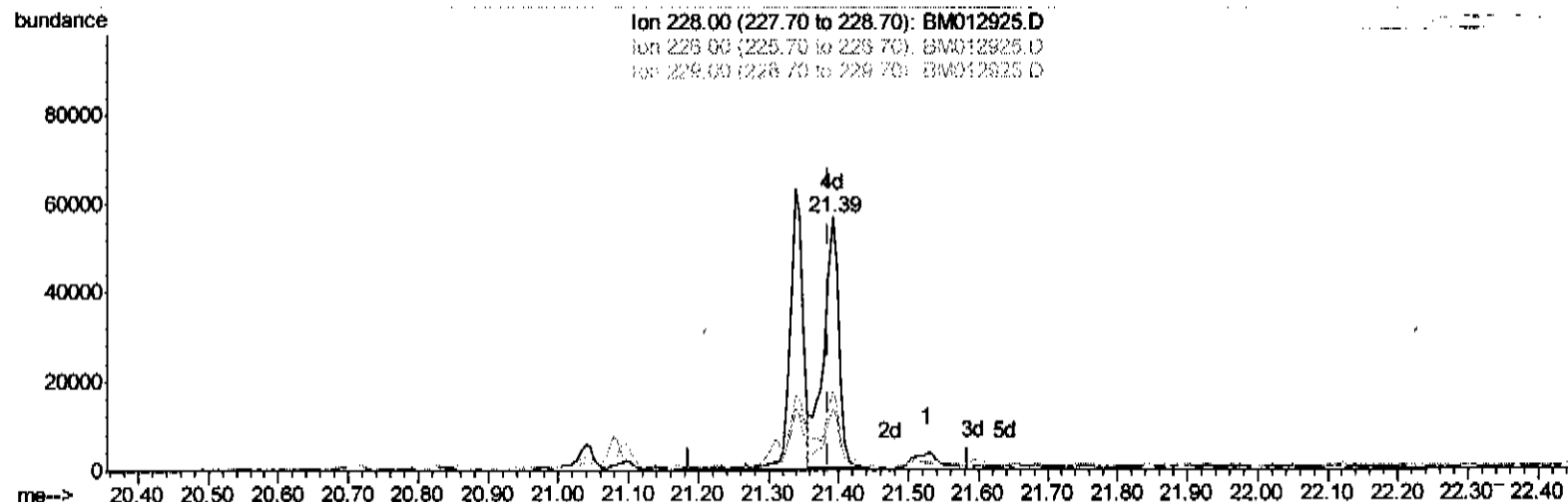
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Manual Integrations
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 Response via : Initial Calibration



(21) Chrysene

21.392min (+0.006) 2.78ng/ul m

response 84557

Ion	Exp%	Act%
228.00	100	100
226.00	30.60	31.13
229.00	19.80	24.21#
0.00	0.00	0.00

21.392min

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012925.D
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 ALS Vial : 32 Sample Multiplier: 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	87267	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	333752	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	196867	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	464269m	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	553156m	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	622178	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.12	160	361819	17.67	ng/ul	0.00
10) Fluorene-d10	15.42	176	262057	18.71	ng/ul	0.00
14) Anthracene-d10	17.27	188	408897	18.22	ng/ul	0.00
18) Pvrene-d10	19.56	212	449386	18.16	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	536128	18.25	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	17.22	178	37422m	1.46	ng/ul	
16) Fluoranthene	19.23	202	110950m	3.52	ng/ul	
19) Pyrene	19.60	202	97109m	3.06	ng/ul	
20) Benzo(a)anthracene	21.34	228	75194	2.21	ng/ul	98
21) Chrysene	21.39	228	84557m	2.78	ng/ul	96
23) Benzo(b)fluoranthene	22.95	252	136465	3.69	ng/ul	94
26) Benzo(a)pyrene	23.53	252	81428	2.27	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.94	276	69496	1.50	ng/ul	94
29) Benzo(a,h,i)perylene	26.65	276	57315	1.48	ng/ul	

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