

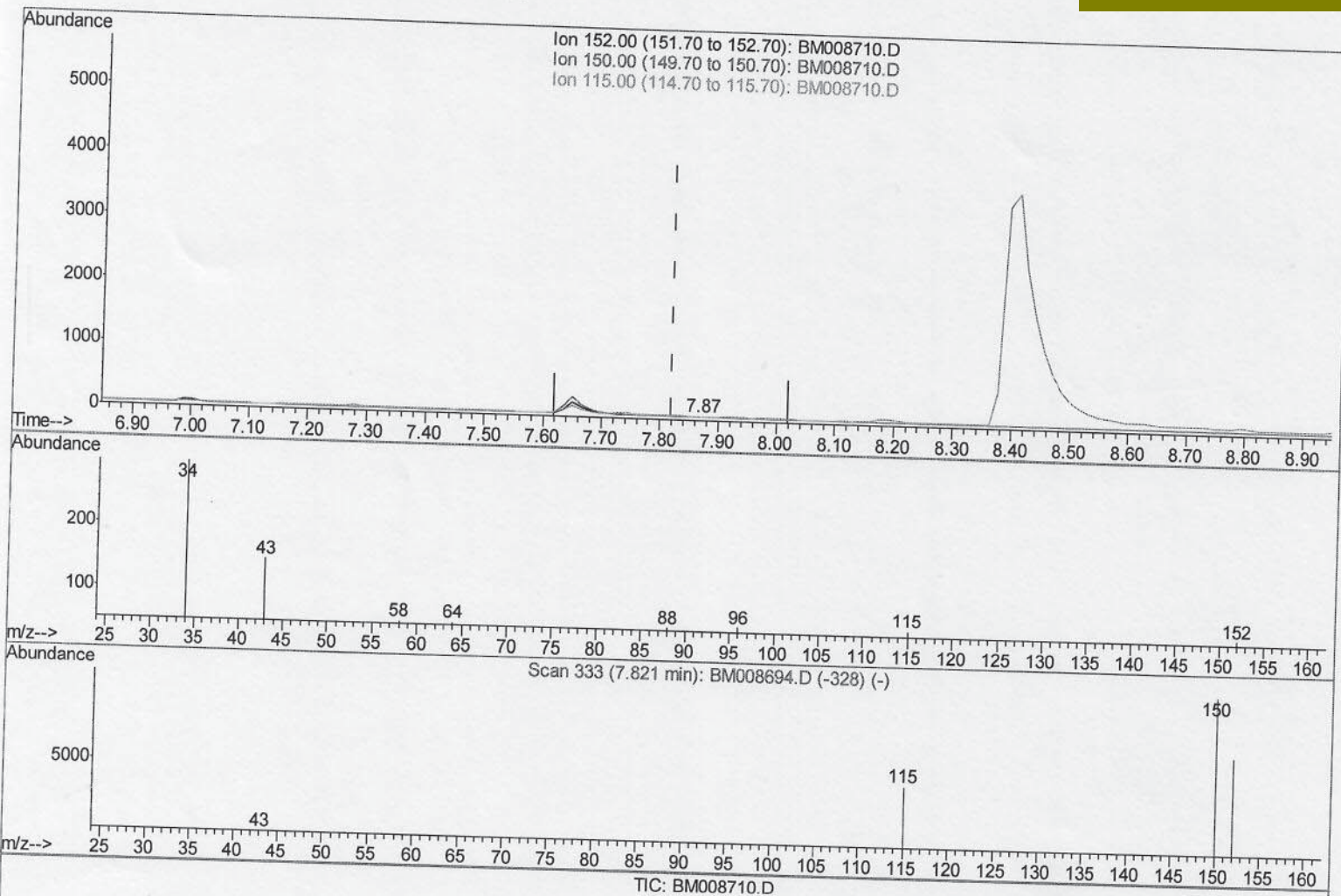
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008710.D
Acq On : 29 Dec 2016 01:45
Operator : UM/SJ
Sample : H6067-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7G5

Quant Time: Dec 29 05:06:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Manual Integrations
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(1) 1,4-Dichlorobenzene-d4 (I)

7.867min (+0.046) 0.40ng/ul

response 9

Ion	Exp%	Act%
152.00	100	100
150.00	143.40	89.29#
115.00	64.90	105.36#
0.00	0.00	0.00

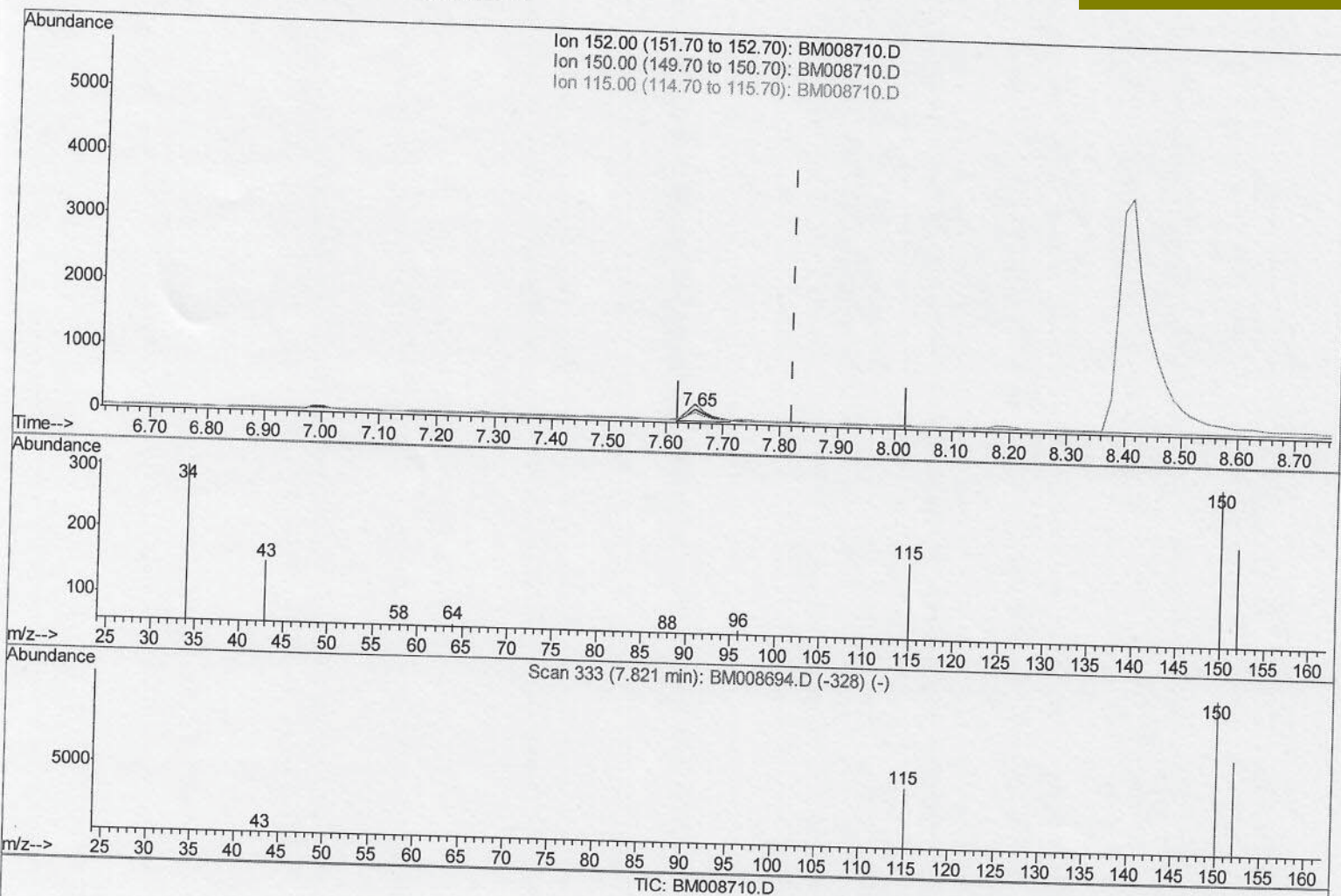
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
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(1) 1,4-Dichlorobenzene-d4 (I)

7.650min (-0.170) 0.40ng/ul m

response 456

Ion	Exp%	Act%
152.00	100	100
150.00	143.40	142.92
115.00	64.90	82.55#
0.00	0.00	0.00

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 12/30/16

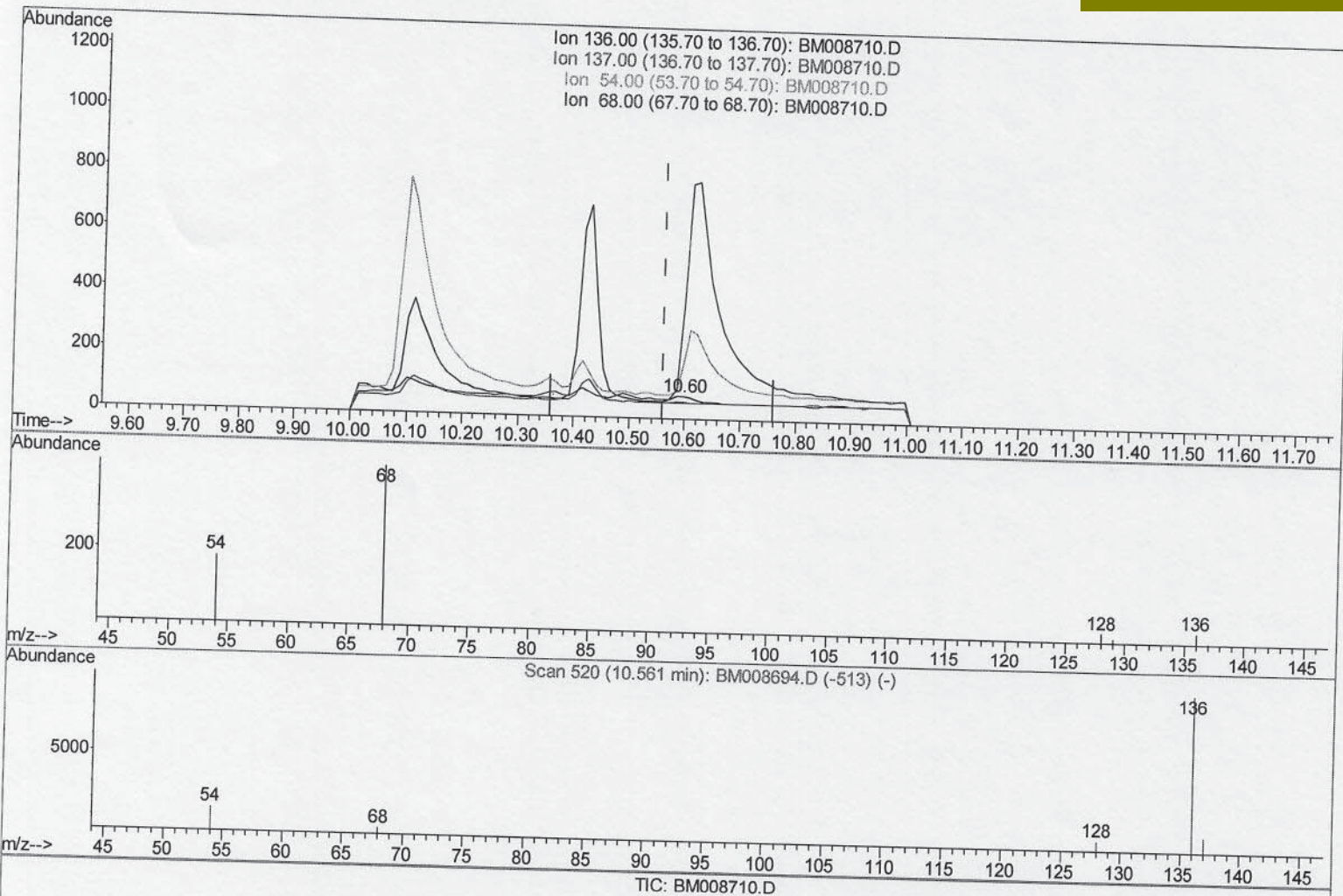
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
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(2) Naphthalene-d8 (I)

10.597min (+0.036) 0.40ng/ul

response 78

Ion	Exp%	Act%
136.00	100	100
137.00	13.90	73.68#
54.00	15.50	247.37#
68.00	9.90	498.68#

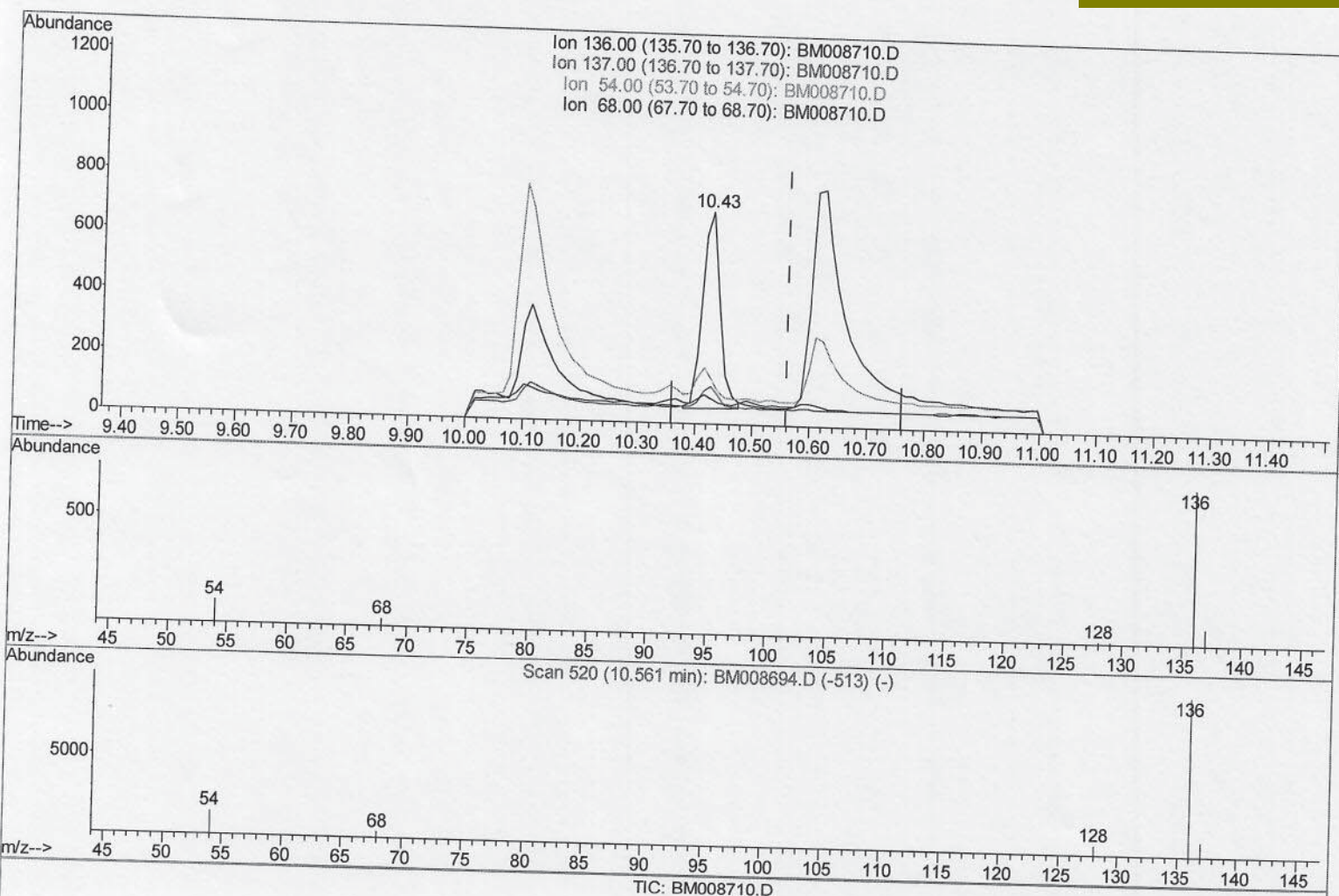
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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(2) Naphthalene-d8 (I)

10.428min (-0.133) 0.40ng/ul m

response 1393

Ion	Exp%	Act%
136.00	100	100
137.00	13.90	17.85#
54.00	15.50	21.25#
68.00	9.90	12.18#

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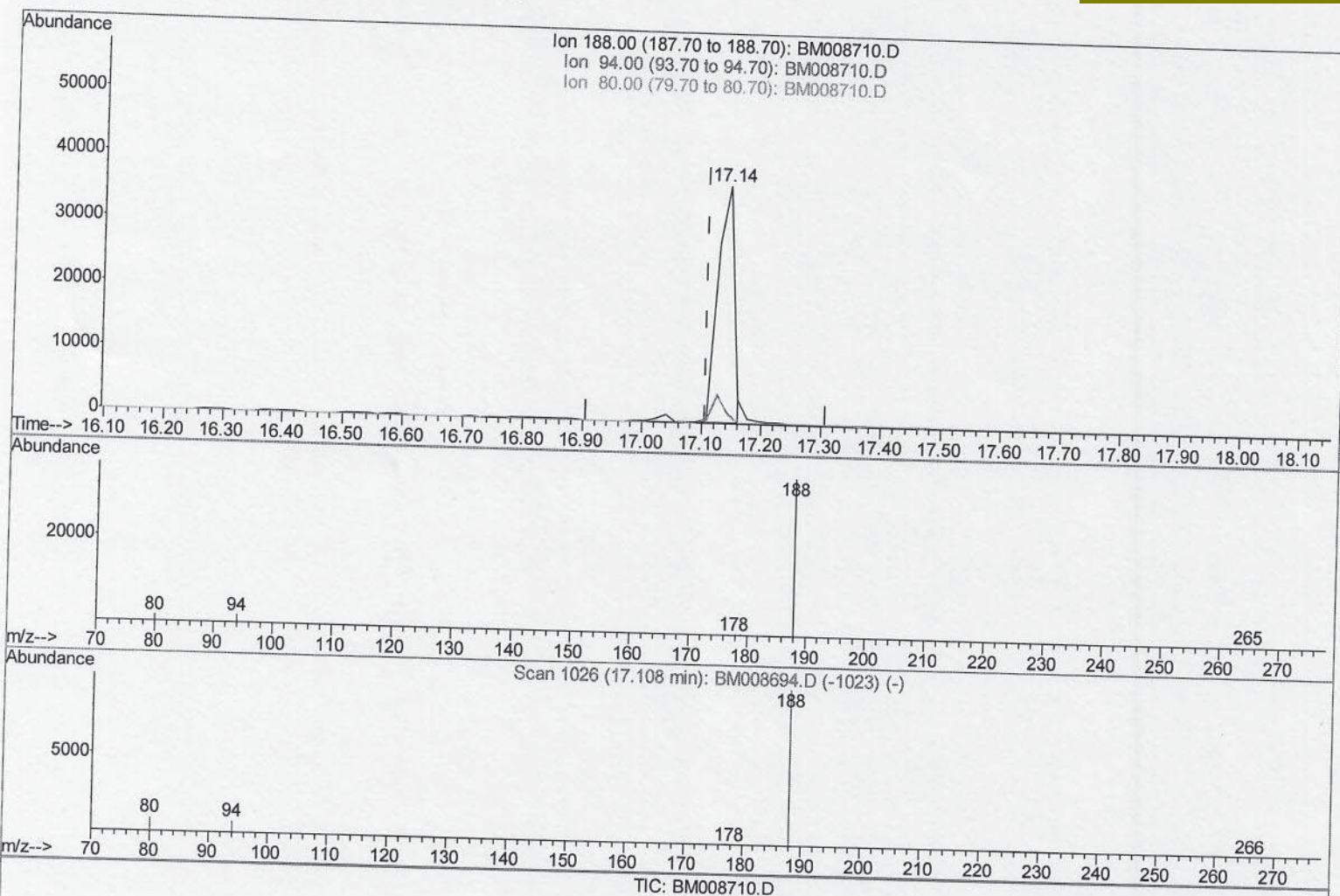
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008710.D
Acq On : 29 Dec 2016 01:45
Operator : UM/SJ
Sample : H6067-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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(10) Phenanthrene-d10 (I)

17.142min (+0.034) 0.40ng/ul

response 71230

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	4.69#
80.00	11.80	3.96#
0.00	0.00	0.00

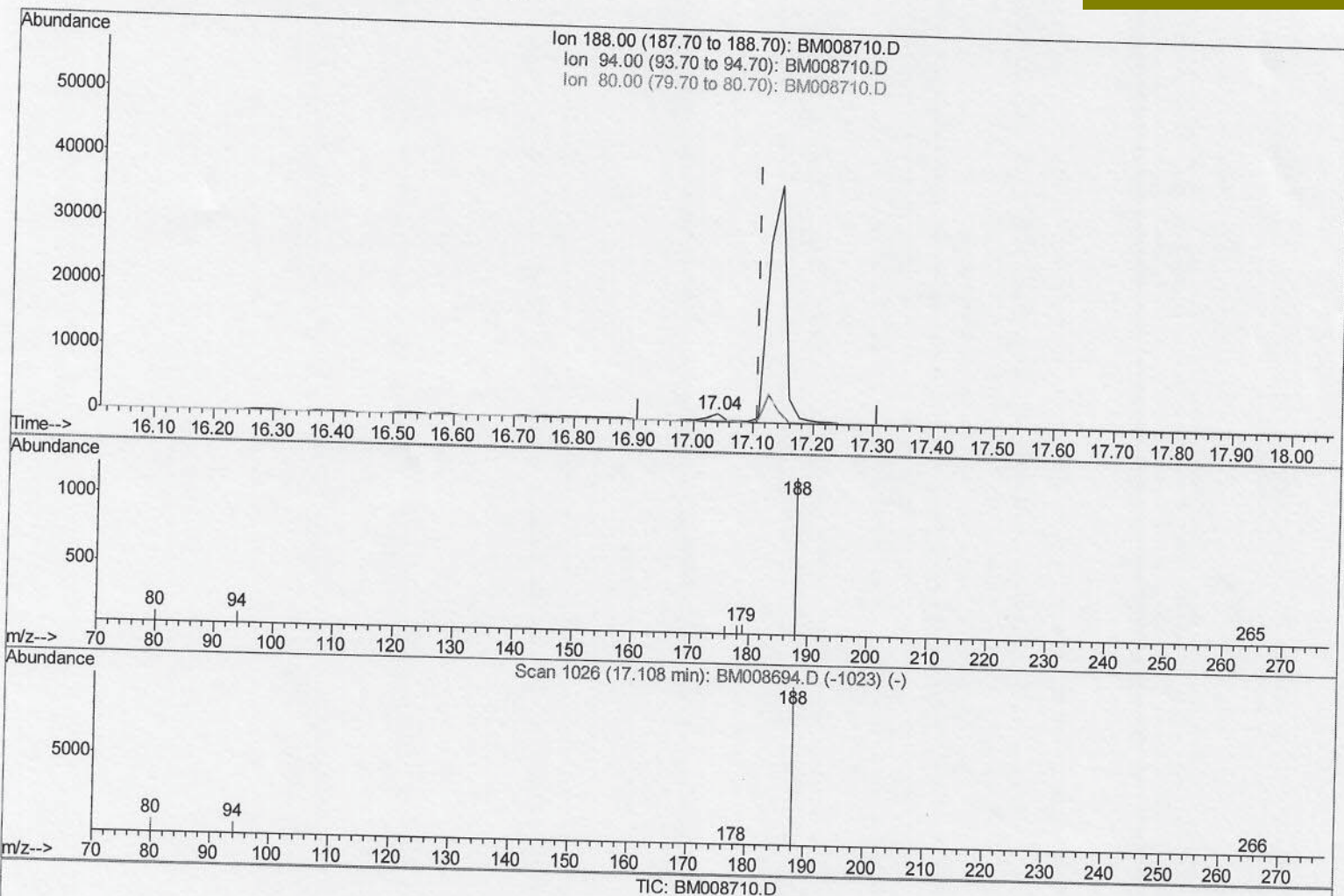
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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(10) Phenanthrene-d10 (I)

17.039min (-0.069) 0.40ng/ul m

response 1829

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.96
80.00	11.80	10.96
0.00	0.00	0.00

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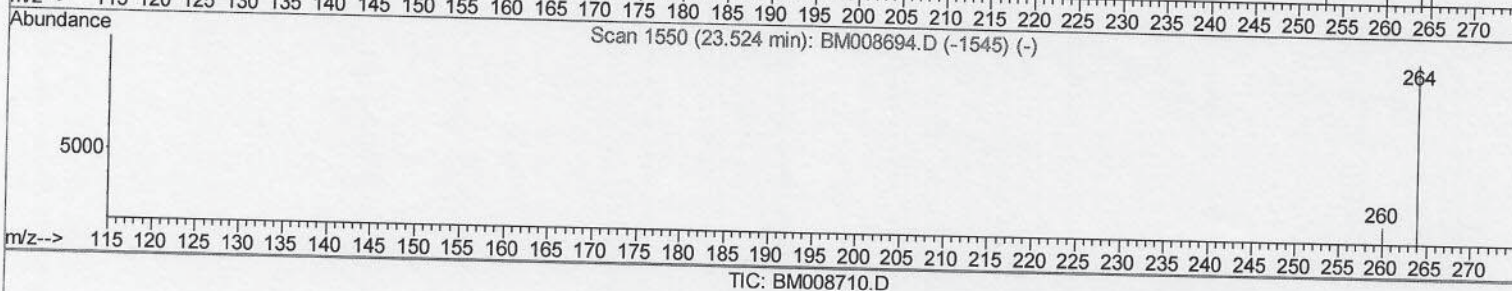
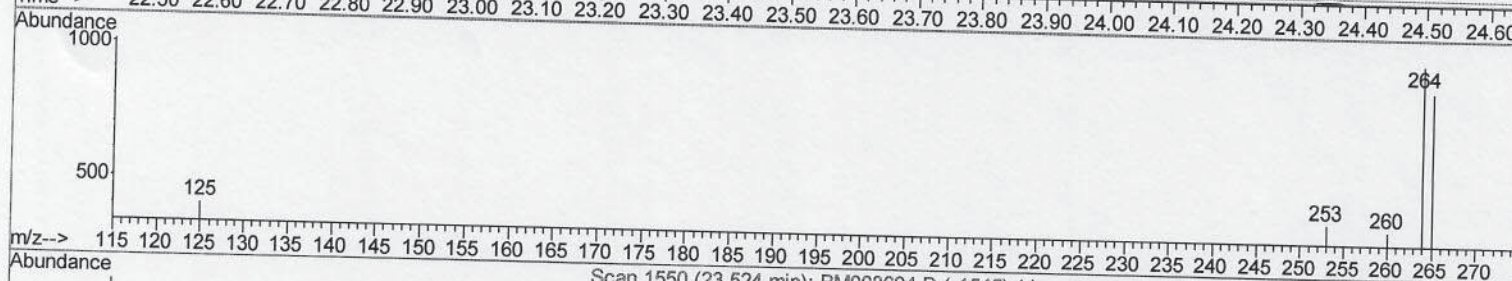
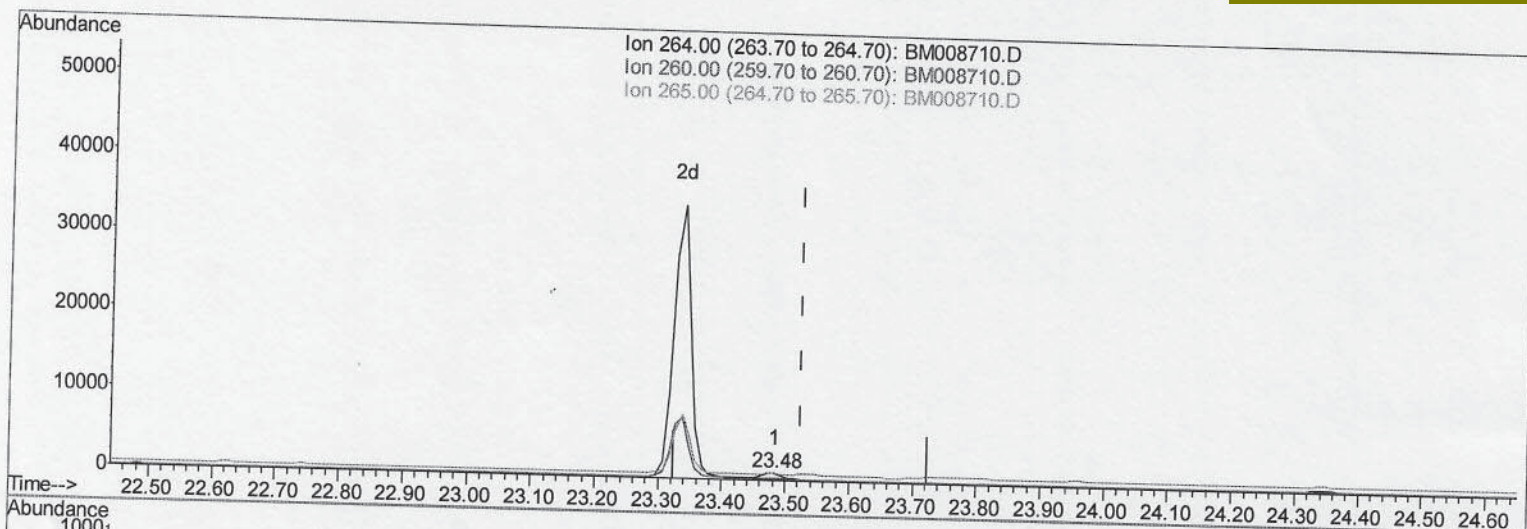
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008710.D
Acq On : 29 Dec 2016 01:45
Operator : UM/SJ
Sample : H6067-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7G5

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Manual Integrations
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(20) Perylene-d12 (I)

23.483min (-0.042) 0.40ng/ul

response 2087

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	38.23#
265.00	103.50	90.17
0.00	0.00	0.00

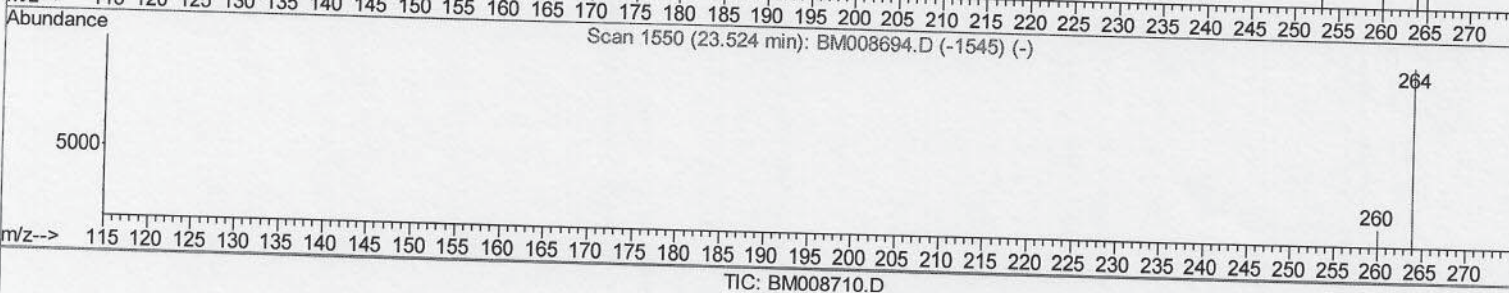
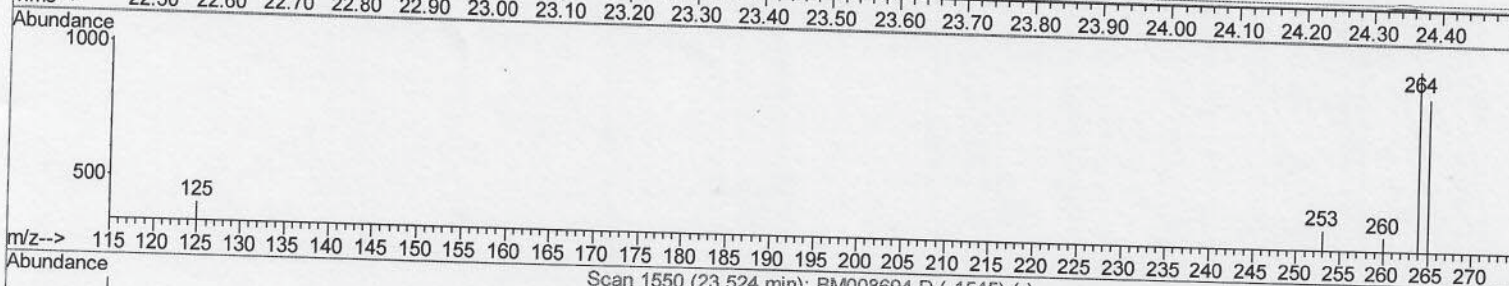
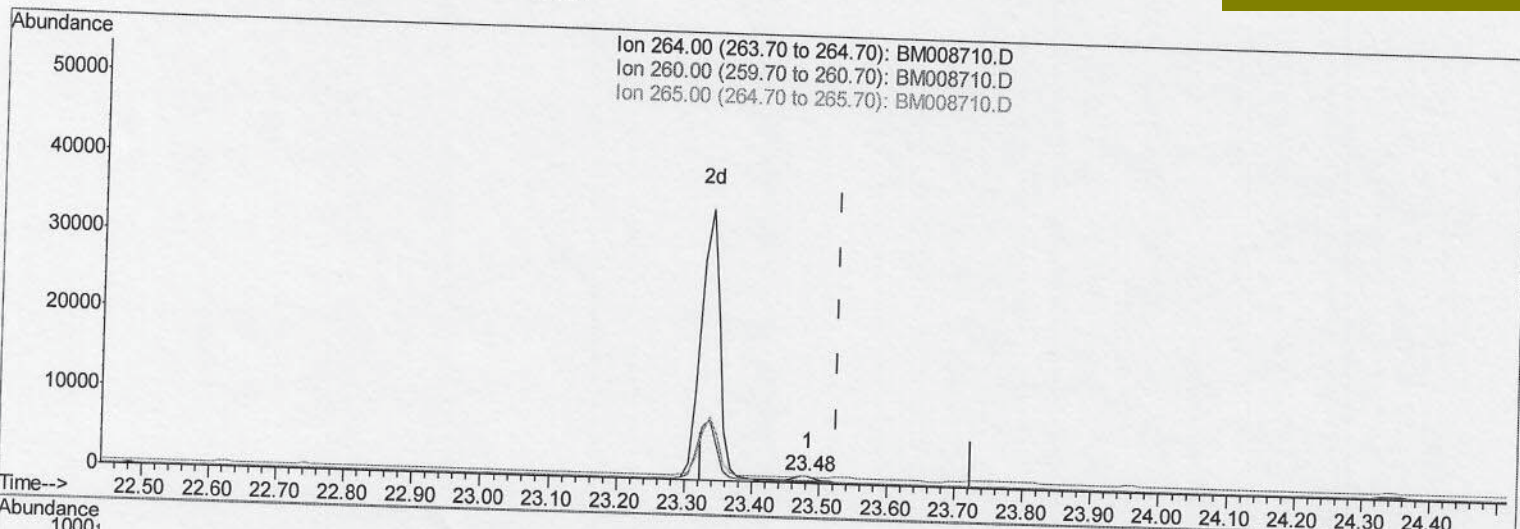
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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Quant Time: Dec 29 05:06:41 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
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(20) Perylene-d12 (I)

23.483min (-0.042) 0.40ng/ul m

response 1805

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	38.23#
265.00	103.50	90.17
0.00	0.00	0.00

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 12/30/16

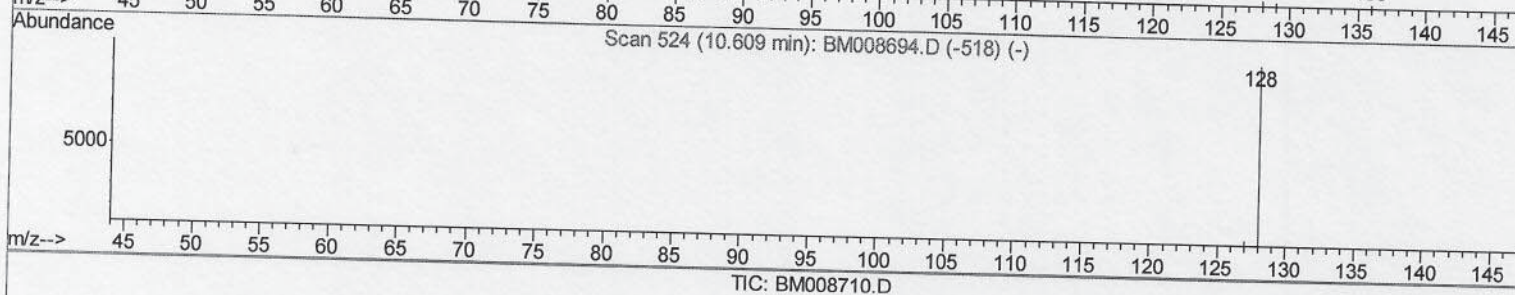
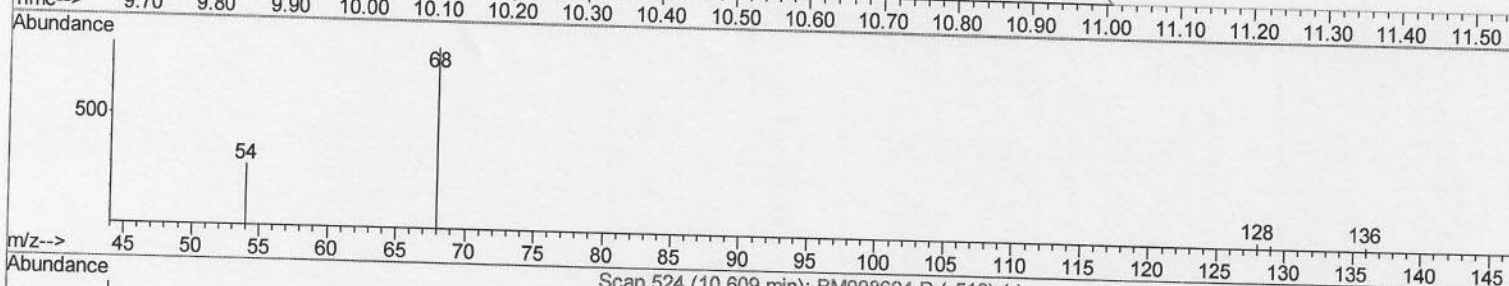
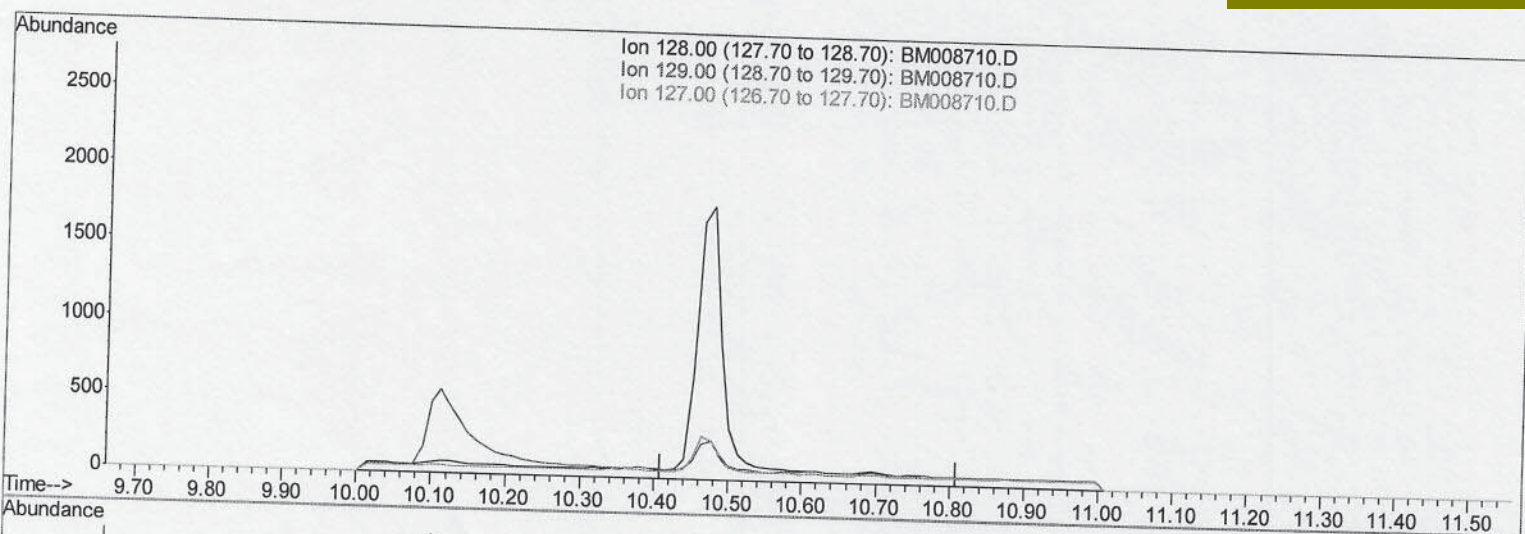
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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Quant Time: Dec 29 06:00:50 2016
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(3) Naphthalene

10.609min (-10.609) 0.00ng/ul

response 0

Ion	Exp%	Act%
128.00	100	0.00
129.00	14.10	0.00#
127.00	16.00	0.00#
0.00	0.00	0.00

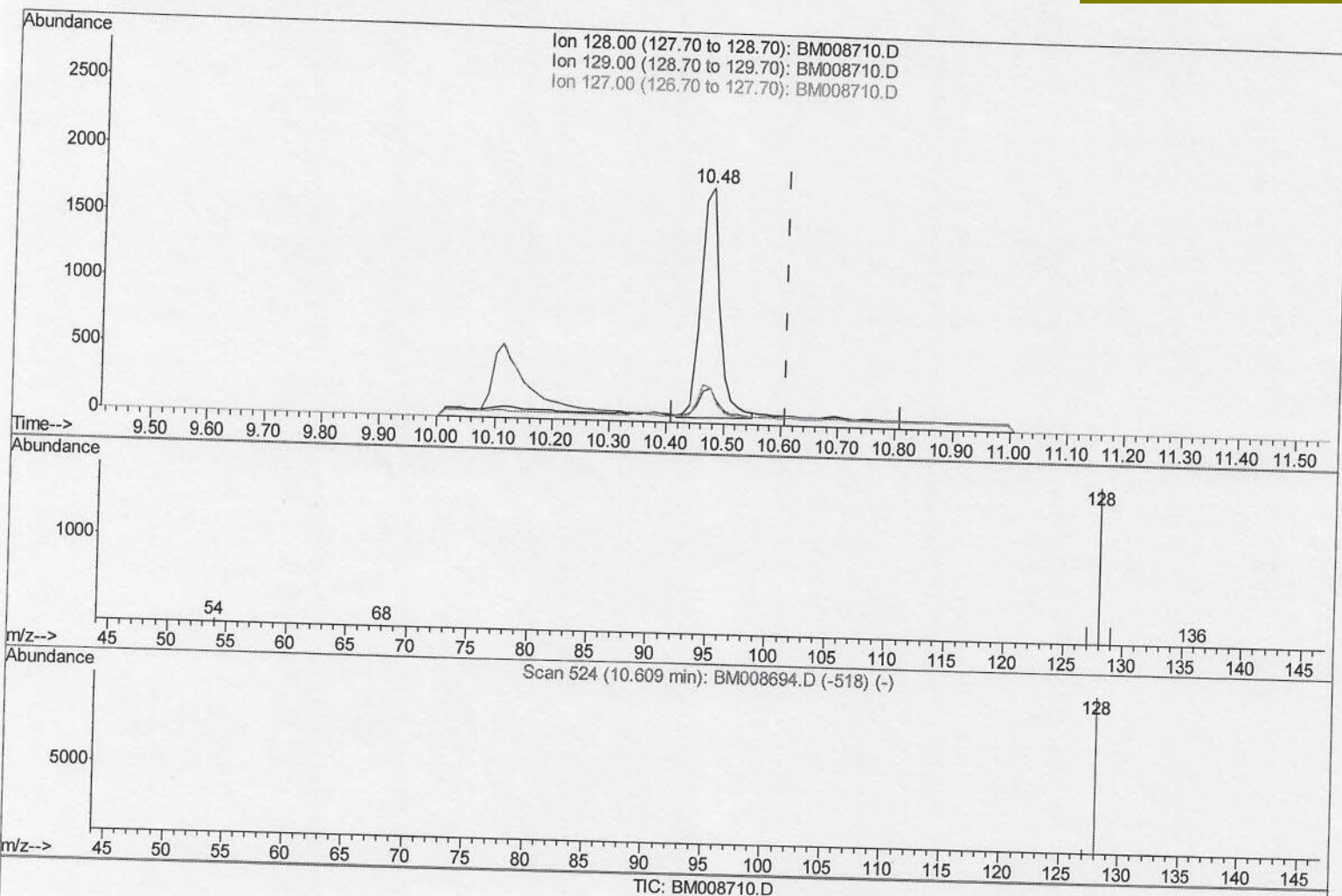
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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 Response via : Initial Calibration



(3) Naphthalene

10.476min (-0.133) 1.03ng/ul m

S.J
 12/30/16

response 4051

Ion	Exp%	Act%
128.00	100	100
129.00	14.10	14.39
127.00	16.00	14.67
0.00	0.00	0.00

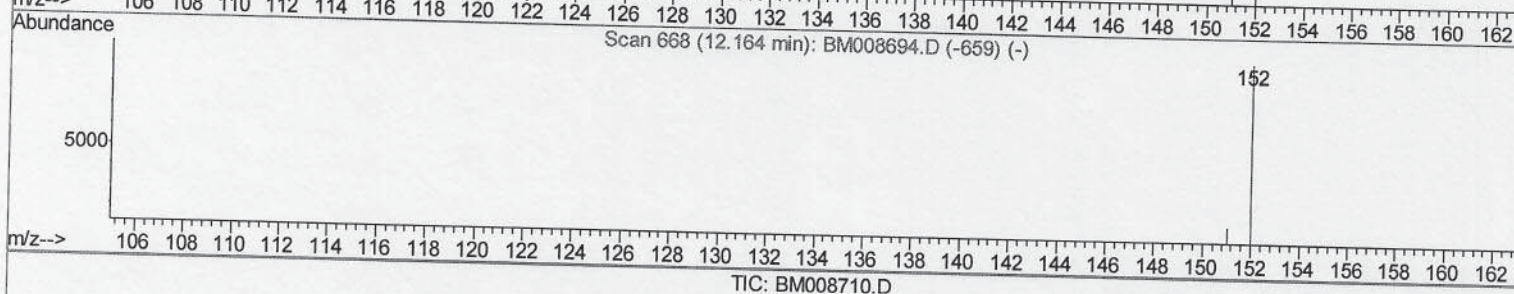
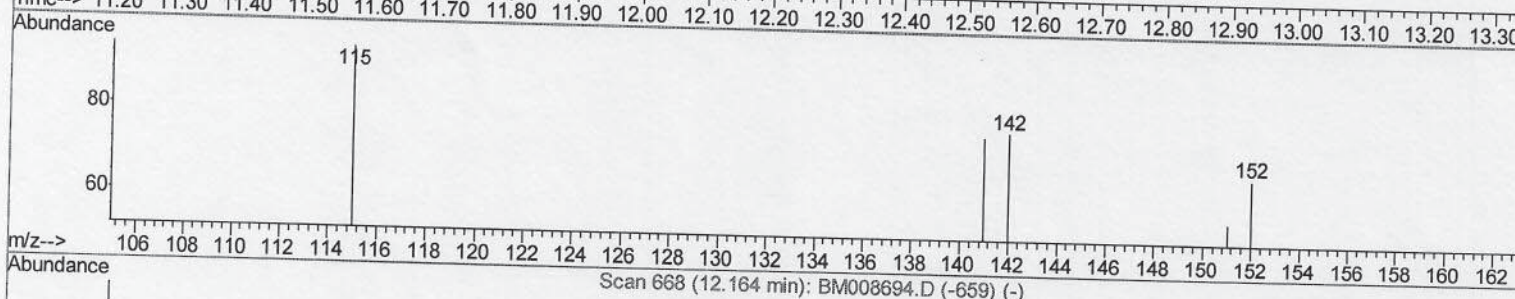
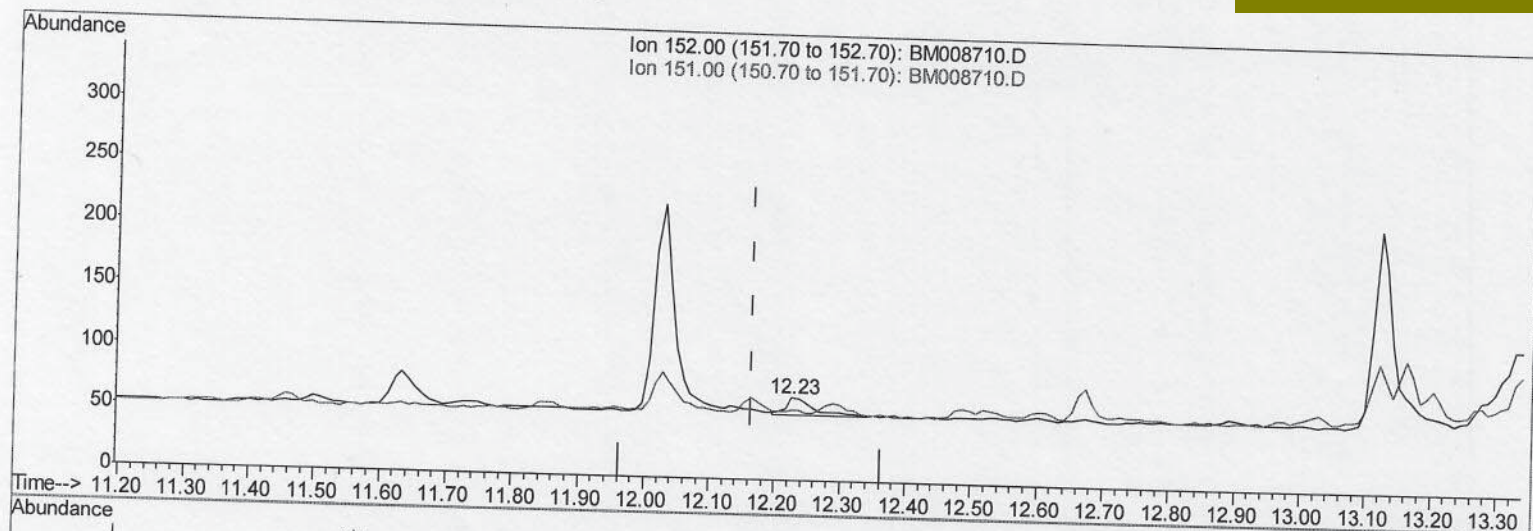
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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(4) 2-Methylnaphthalene-d10 (SURR)

12.226min (+0.062) 0.02ng/ul

response 42

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	9.52#
0.00	0.00	0.00
0.00	0.00	0.00

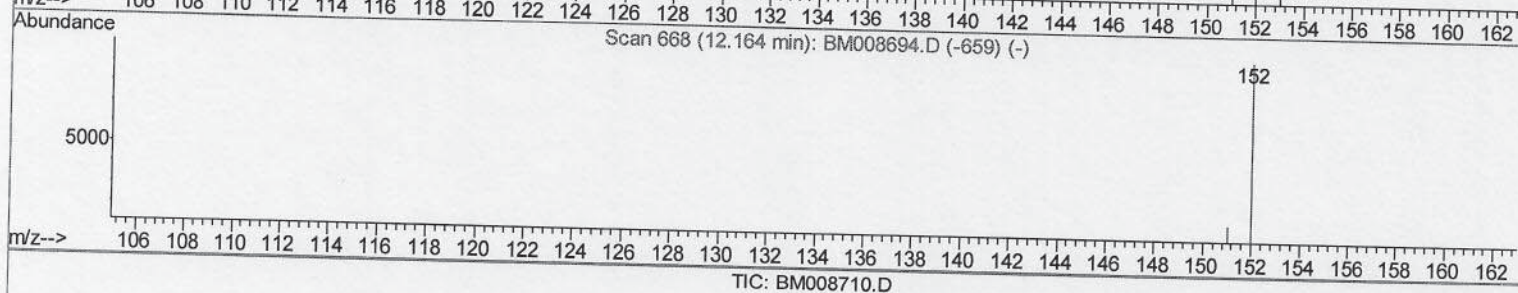
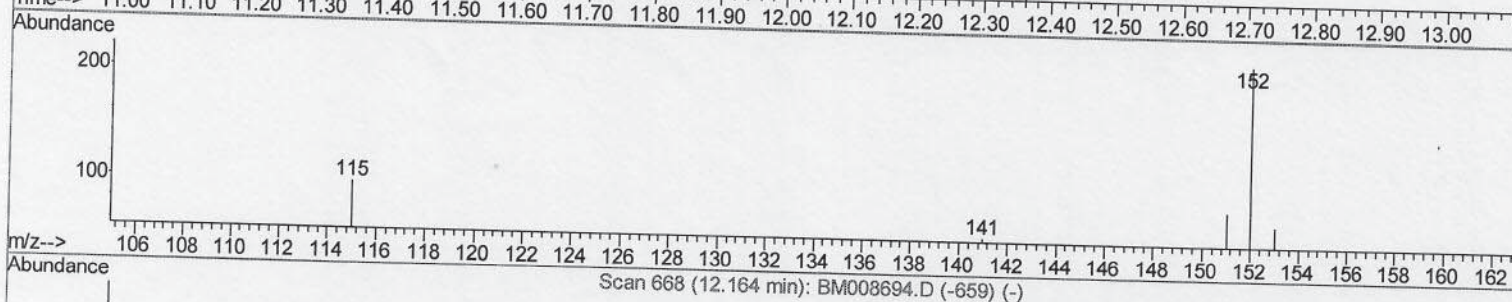
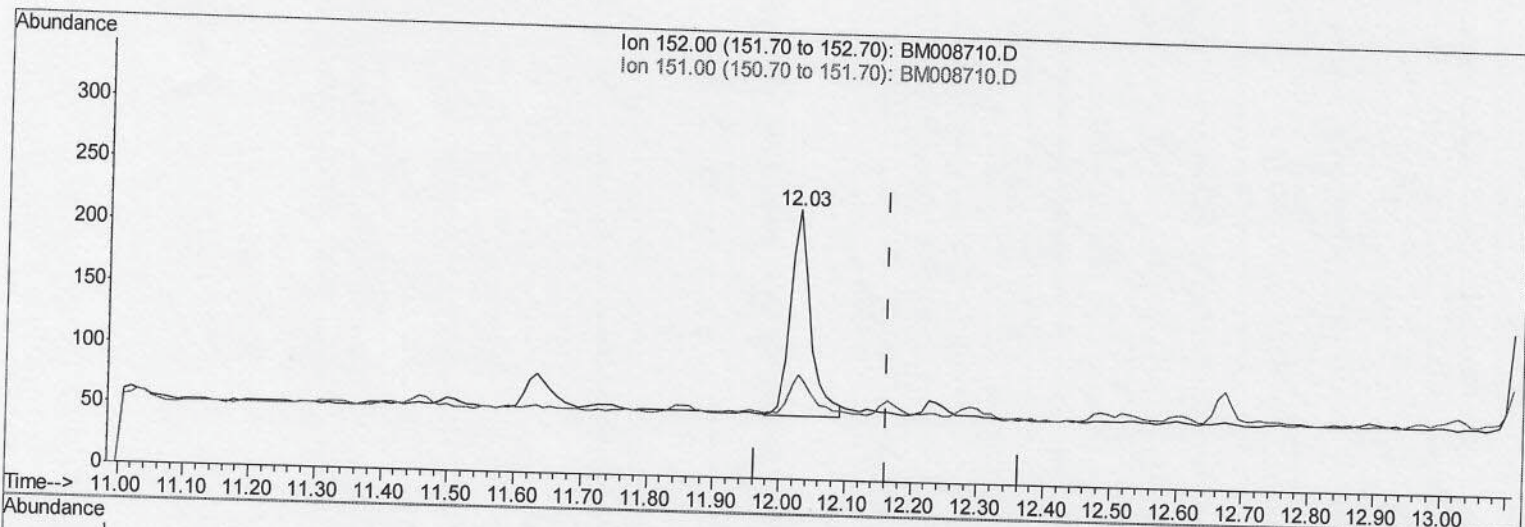
Quantitation Report (Qedit)
 Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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 QLast Update : Thu Dec 29 03:29:39 2016
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(4) 2-Methylnaphthalene-d10 (SURR)

12.028min (-0.135) 0.17ng/ul m

response 365

S.S
12/30/16

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	1.10#
0.00	0.00	0.00
0.00	0.00	0.00

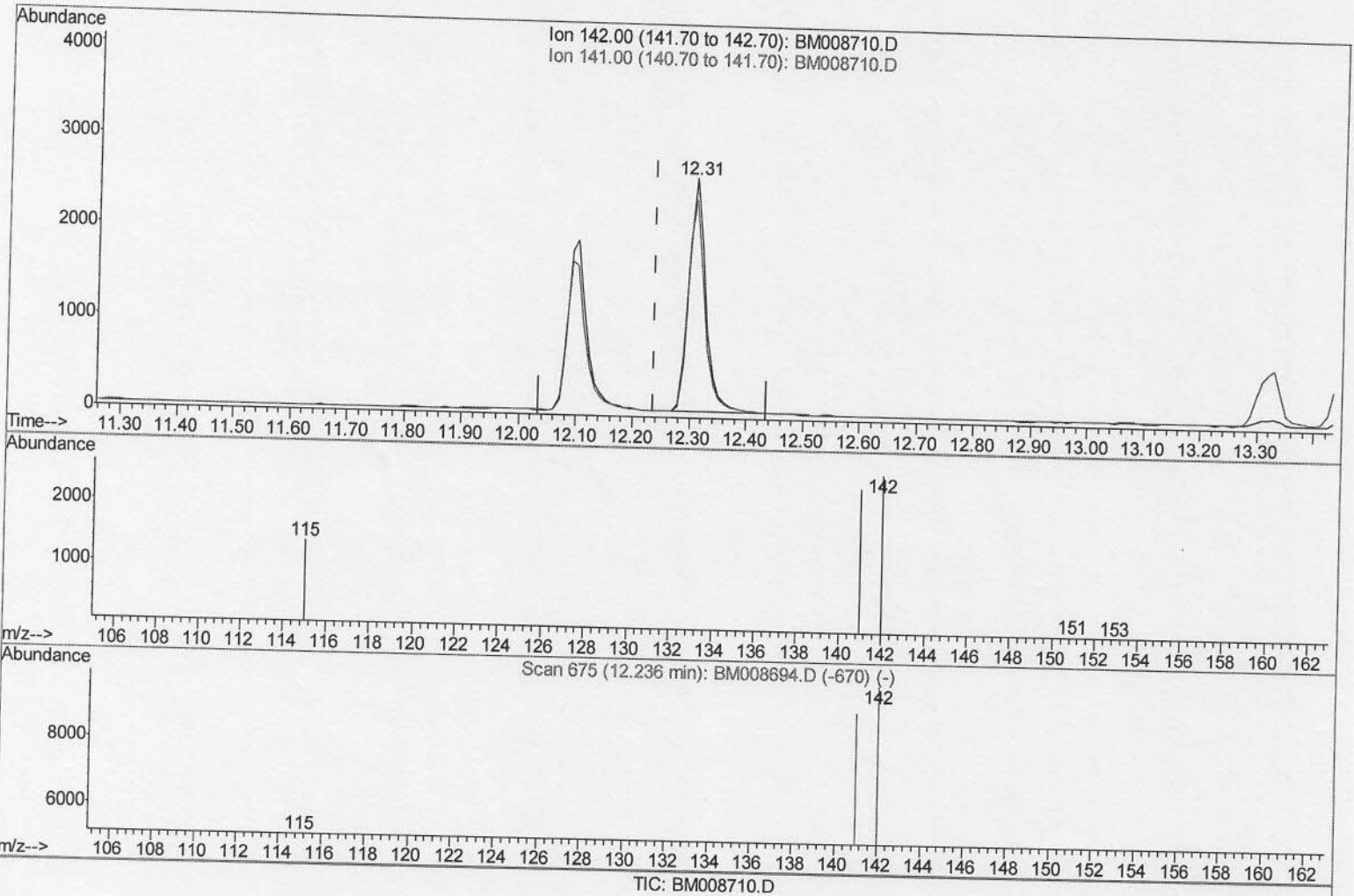
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008710.D
Acq On : 29 Dec 2016 01:45
Operator : UM/SJ
Sample : H6067-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7G5

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Manual Integrations
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(5) 2-Methylnaphthalene

12.309min (+0.073) 1.99ng/ui

response 5237

Ion	Exp%	Act%
142.00	100	100
141.00	90.70	92.55
0.00	0.00	0.00
0.00	0.00	0.00

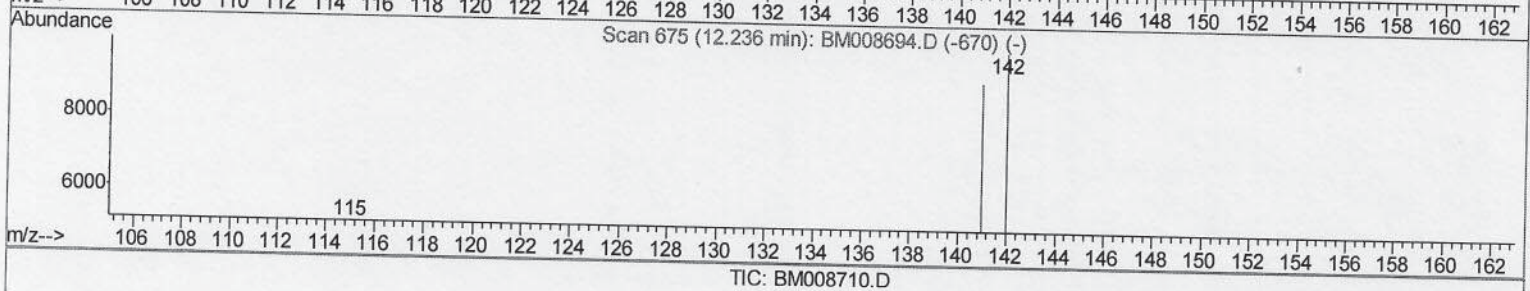
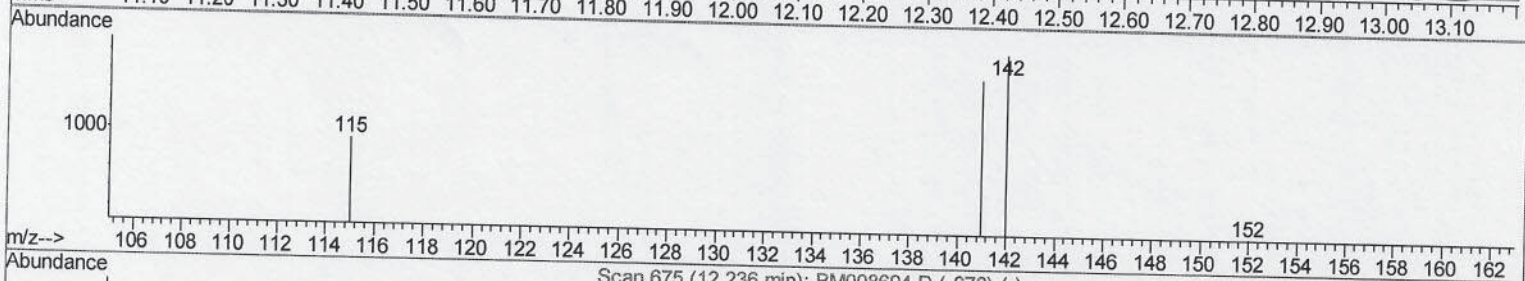
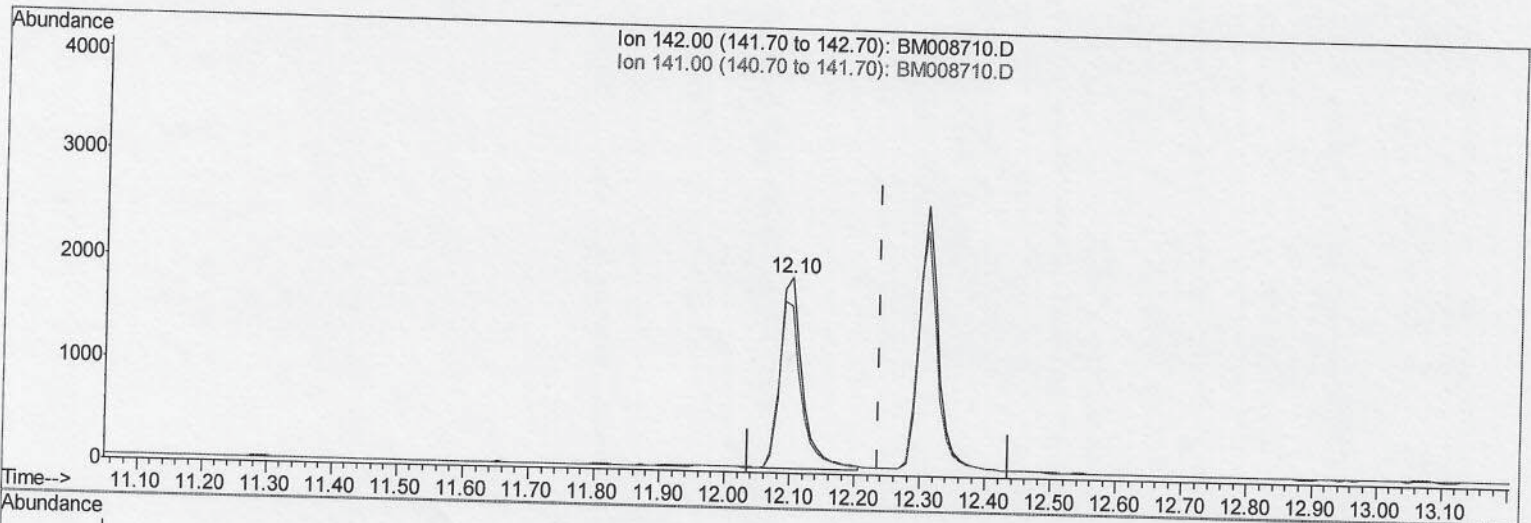
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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(5) 2-Methylnaphthalene

12.101min (-0.135) 1.70ng/ul m

response 4497

S.J
 12/30/16

Ion	Exp%	Act%
142.00	100	100
141.00	90.70	107.78
0.00	0.00	0.00
0.00	0.00	0.00

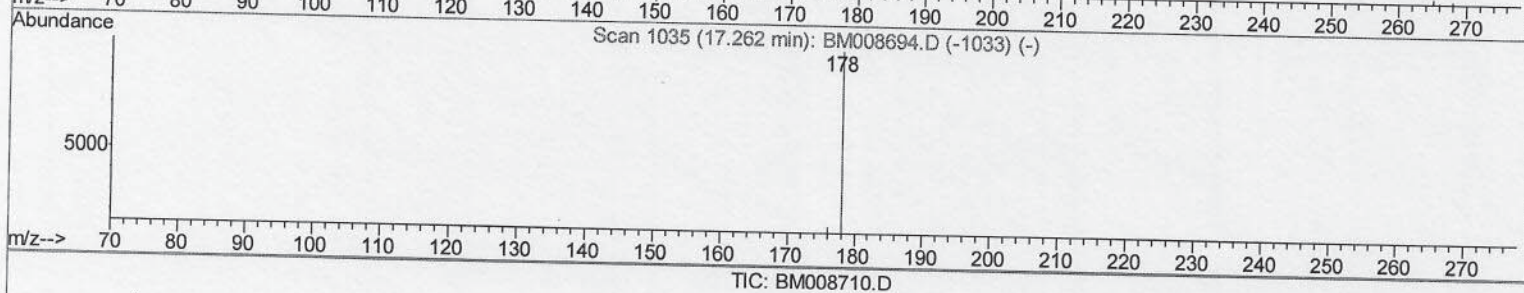
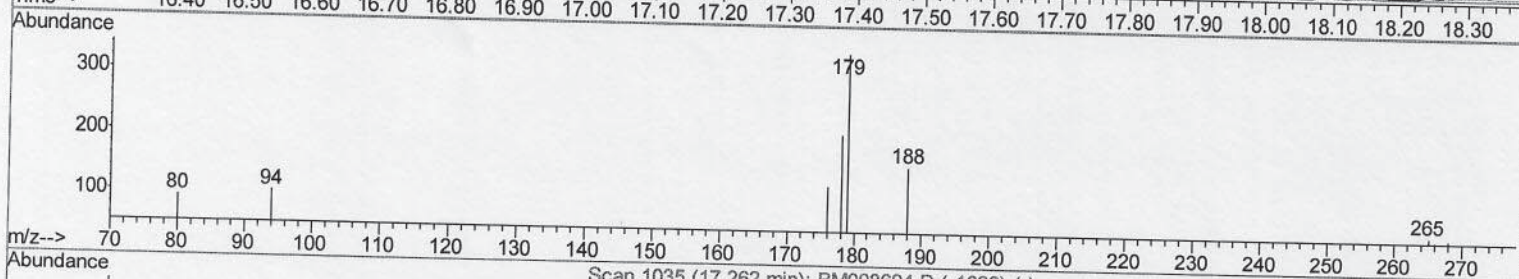
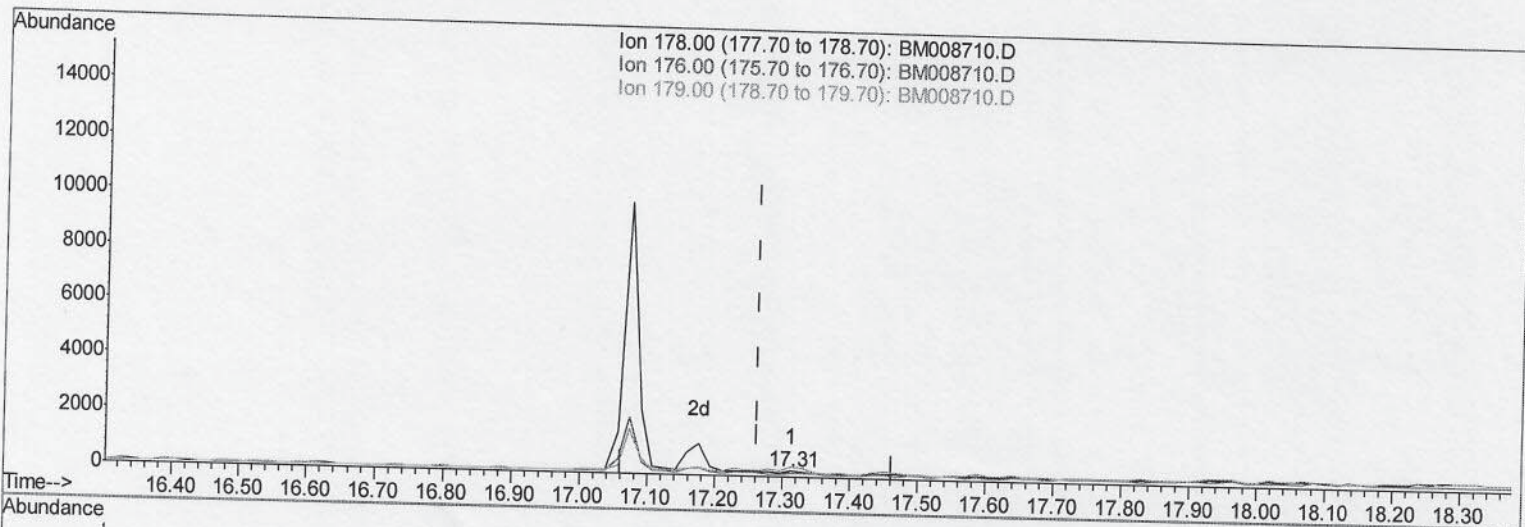
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
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 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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(13) Anthracene

17.313min (+0.051) 0.03ng/ul

response 156

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	59.52#
179.00	18.40	163.33#
0.00	0.00	0.00

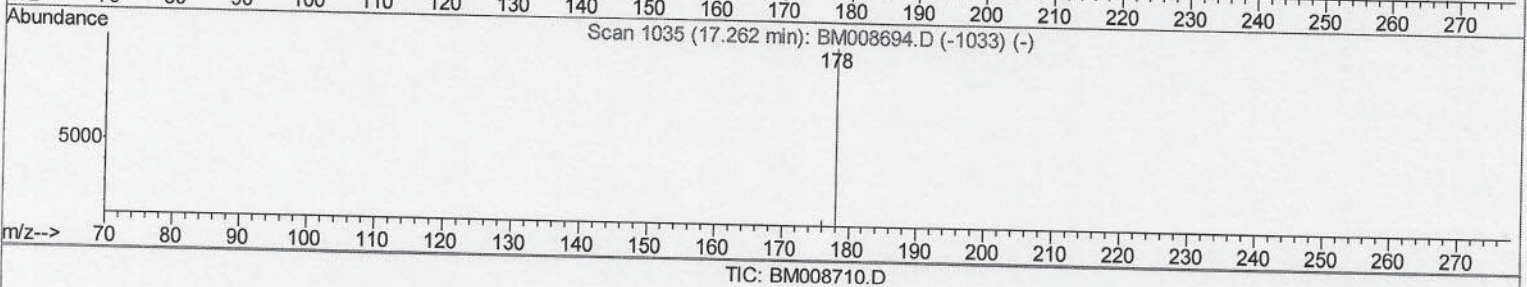
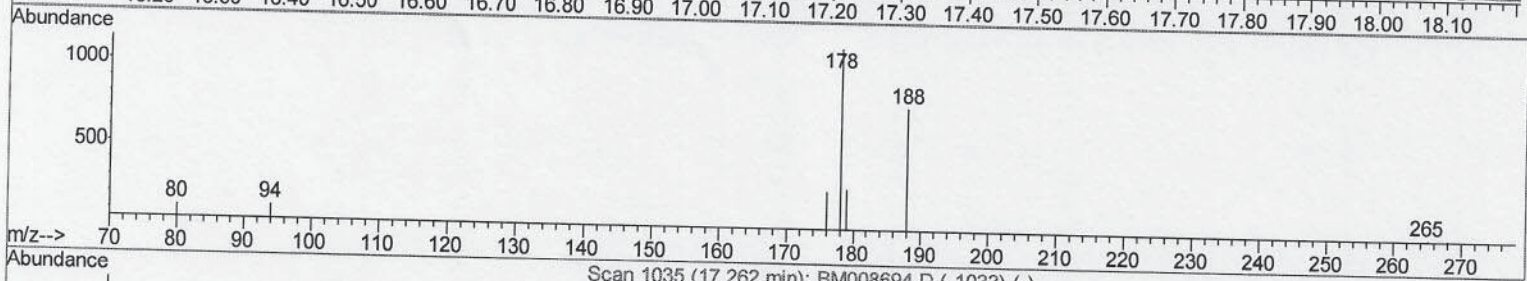
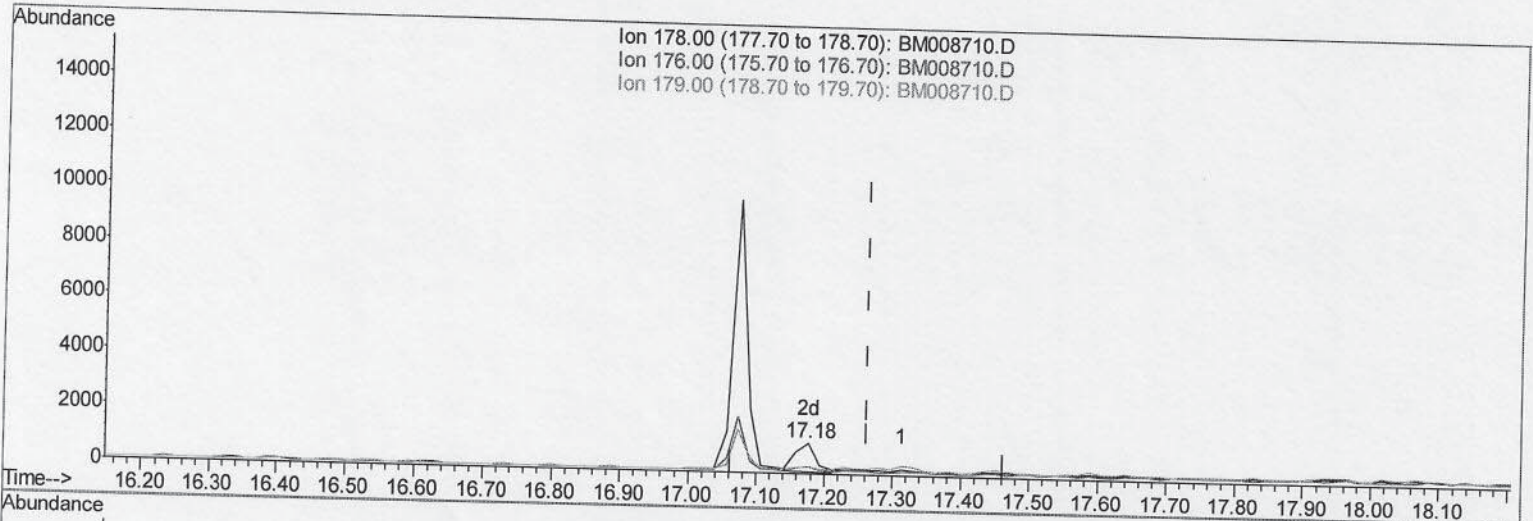
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
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 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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(13) Anthracene

17.176min (-0.086) 0.41ng/ul m

response 2226

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	24.04
179.00	18.40	25.17#
0.00	0.00	0.00

5.5
 12/30/16

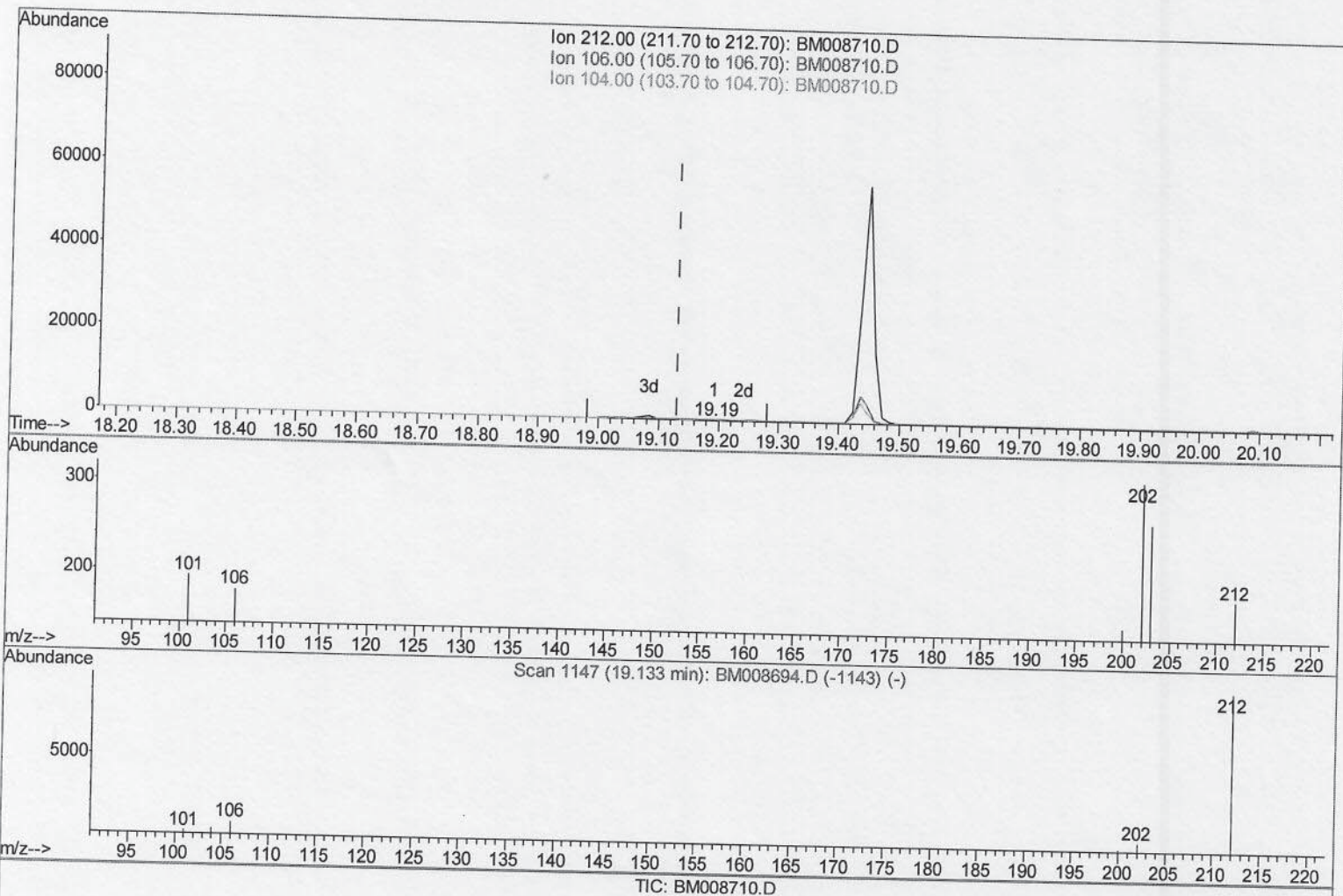
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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mohammad
 12/30/2016 8:54:13 AM



(14) Fluoranthene-d10 (SURR)

19.193min (+0.060) 0.01ng/ul

response 54

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	168.52#
104.00	15.60	90.74#
0.00	0.00	0.00

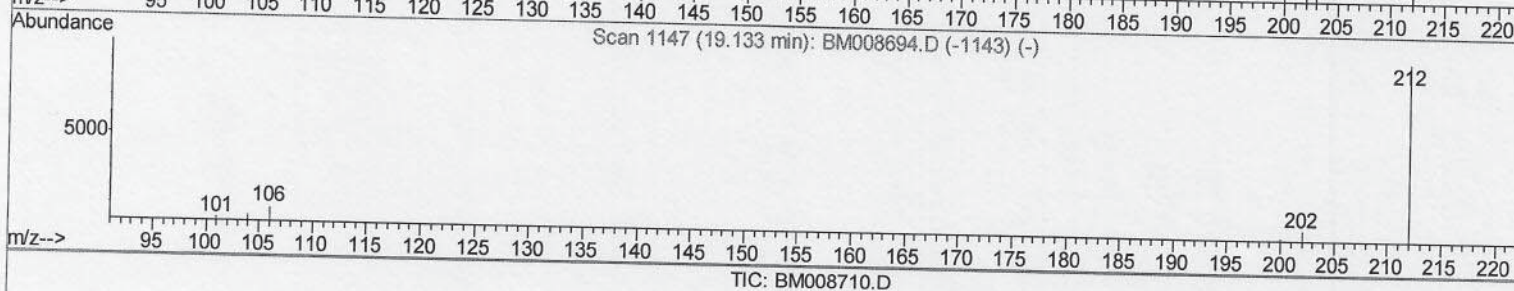
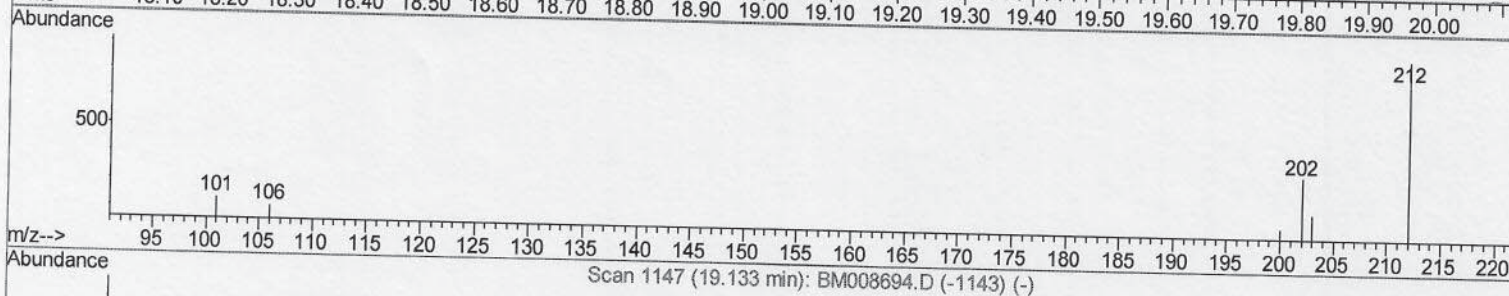
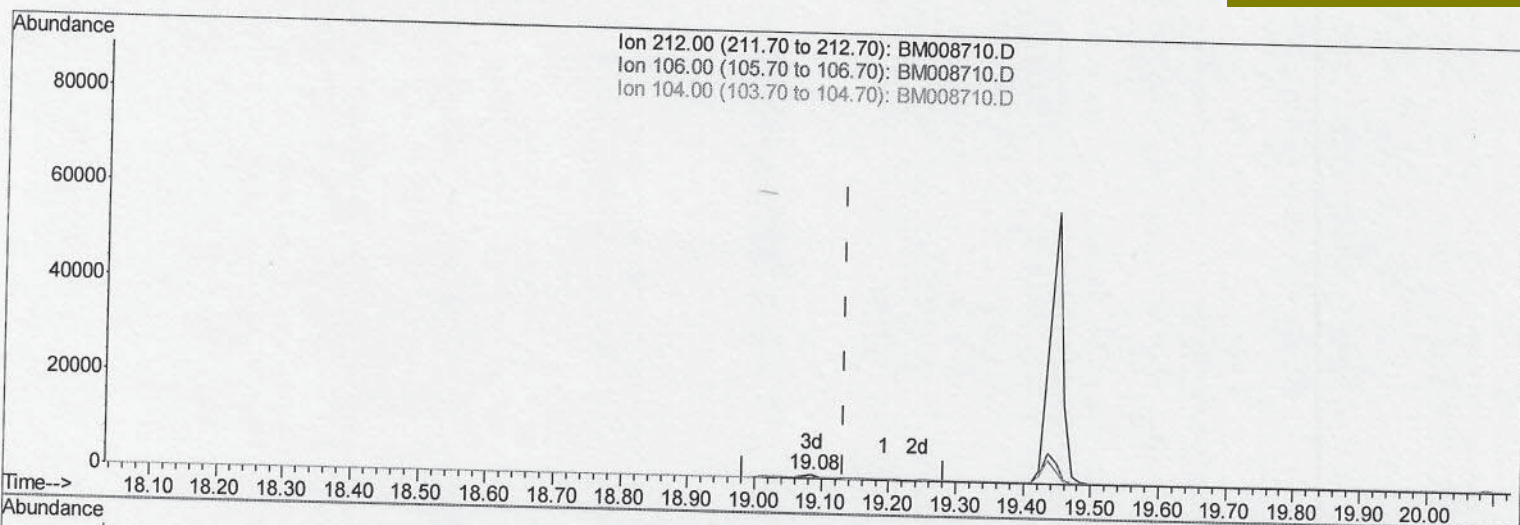
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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(14) Fluoranthene-d10 (Surr)

19.084min (-0.048) 0.27ng/ul m

response 1377

S. J
 12/30/16

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	6.61#
104.00	15.60	3.56#
0.00	0.00	0.00

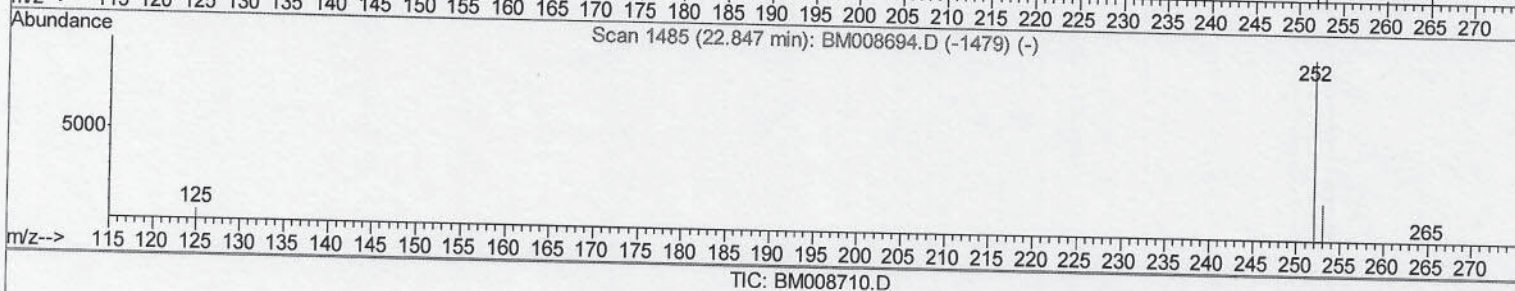
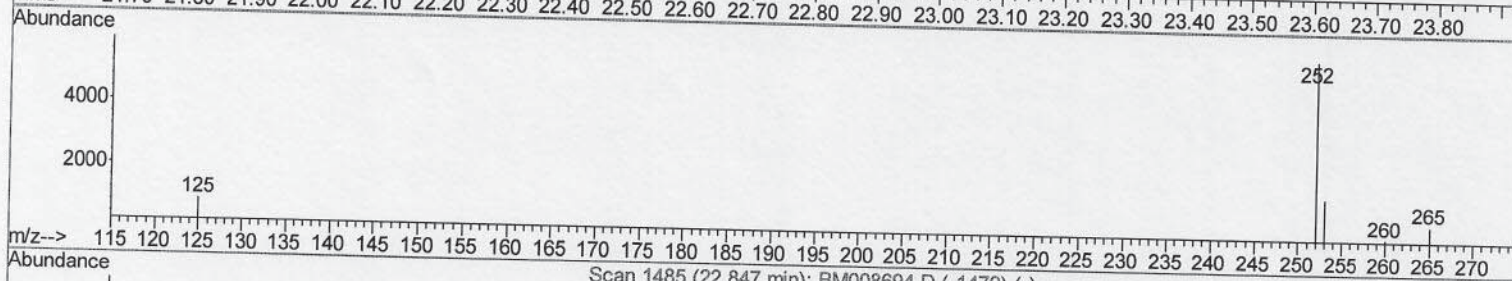
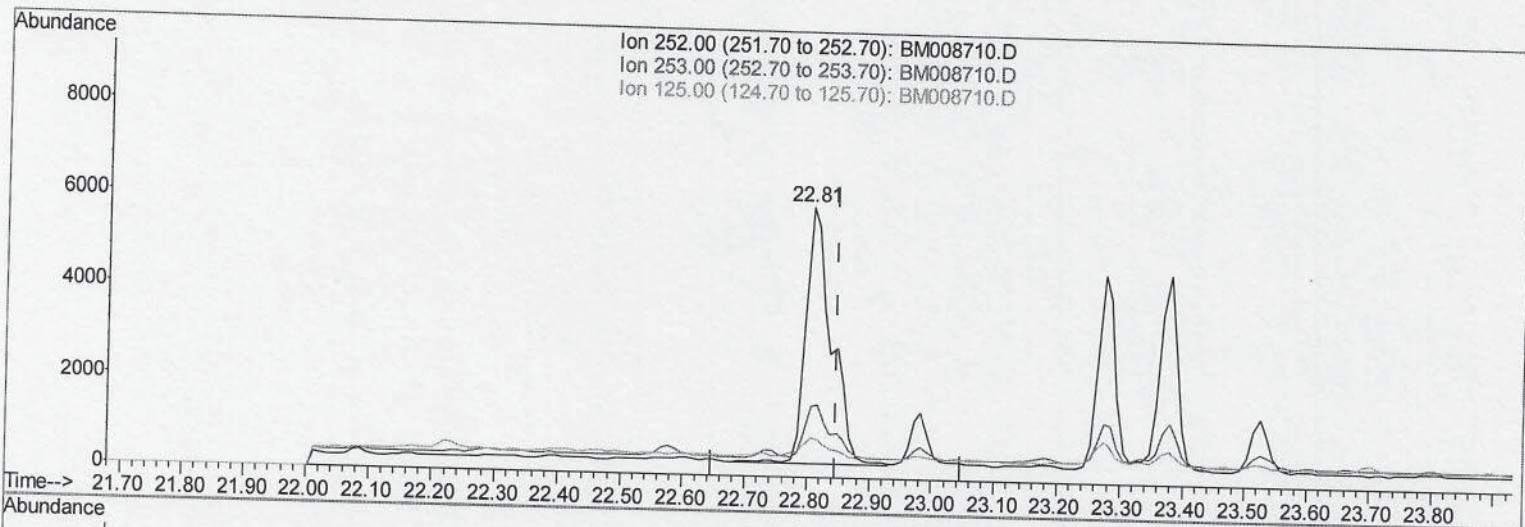
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Manual Integrations
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Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM008710.D

(21) Benzo(b)fluoranthene
 22.805min (-0.042) 2.27ng/ul
 response 16170

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.21
125.00	17.50	14.58
0.00	0.00	0.00

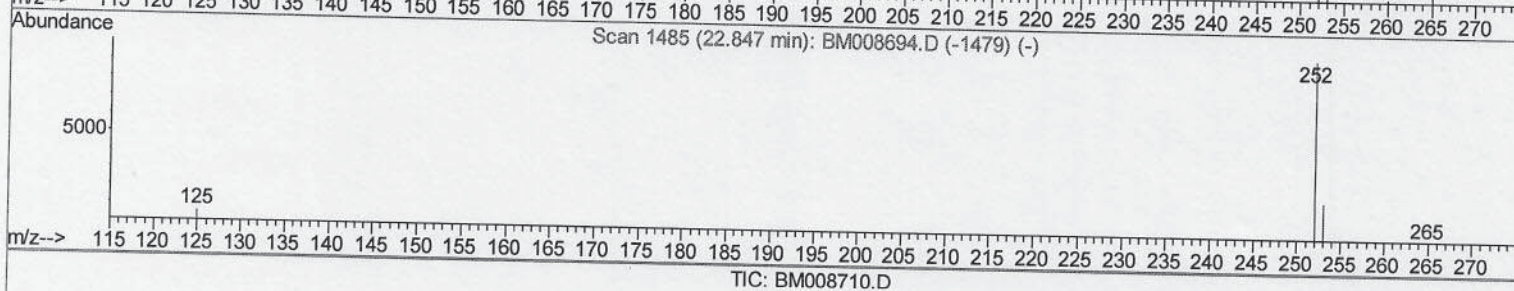
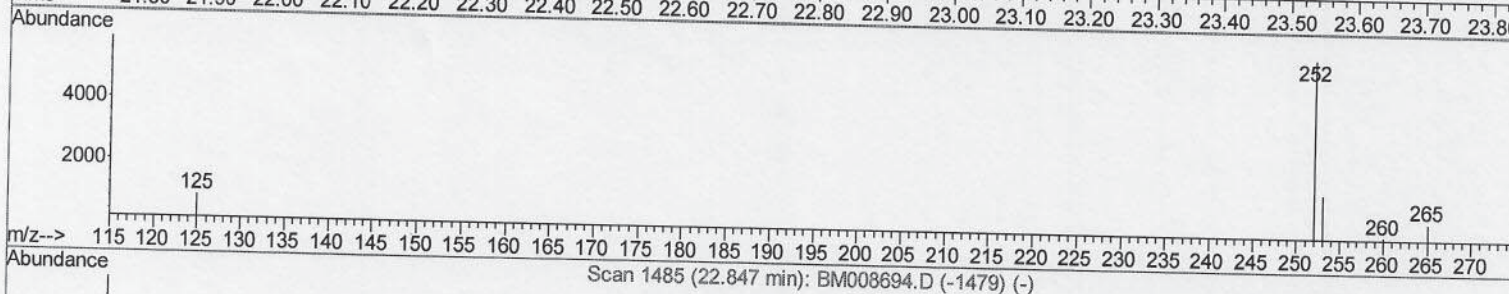
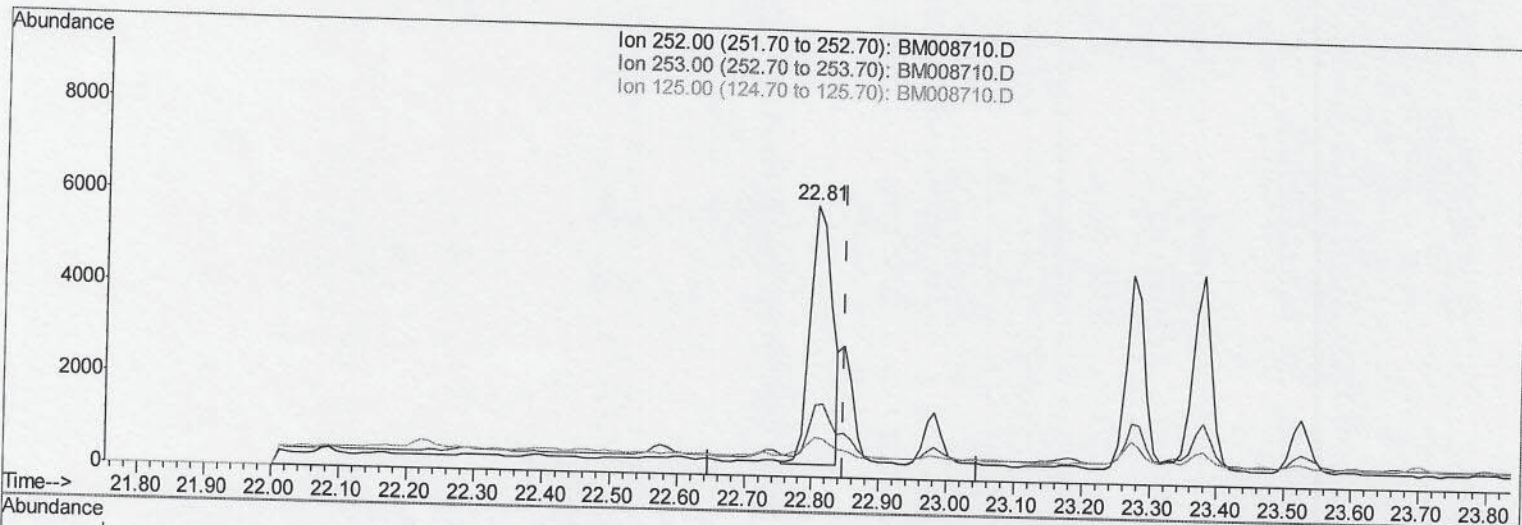
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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(21) Benzo(b)fluoranthene

22.805min (-0.042) 1.82ng/ul m

response 12928

S.J
 12/30/16

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.21
125.00	17.50	14.58
0.00	0.00	0.00

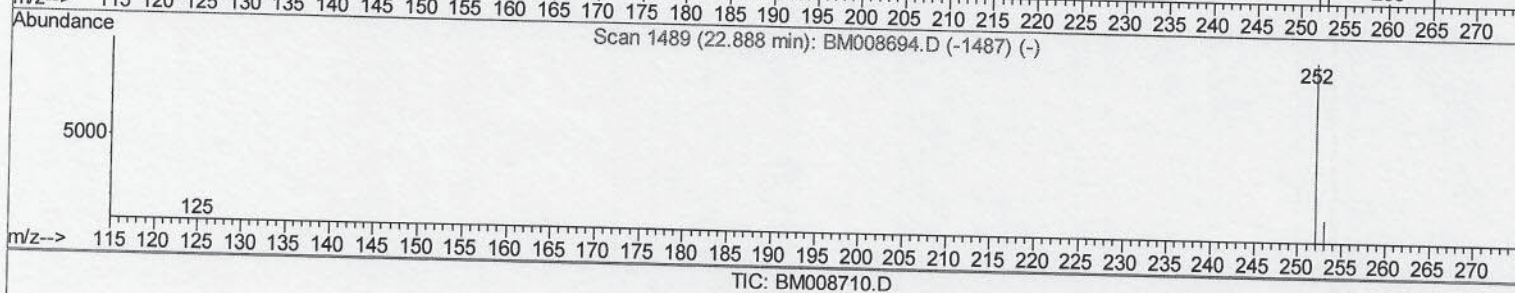
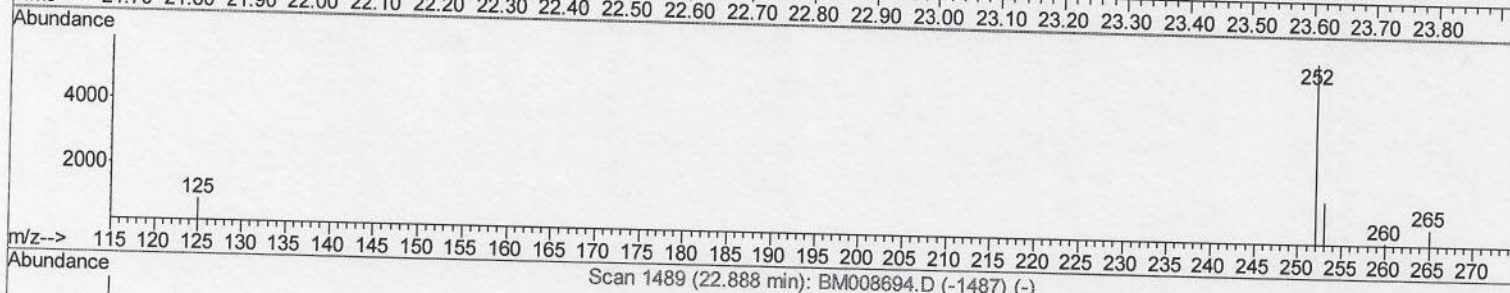
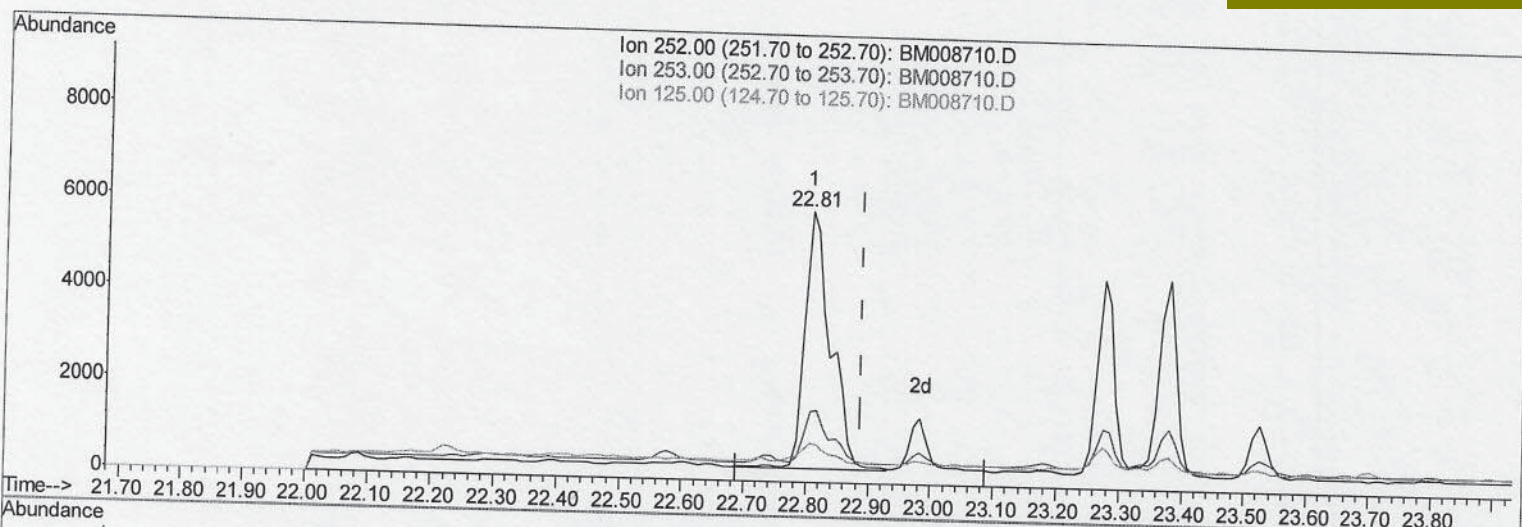
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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(22) Benzo(k)fluoranthene

22.805min (-0.083) 2.33ng/ul

response 16170

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.21
125.00	17.10	14.58
0.00	0.00	0.00

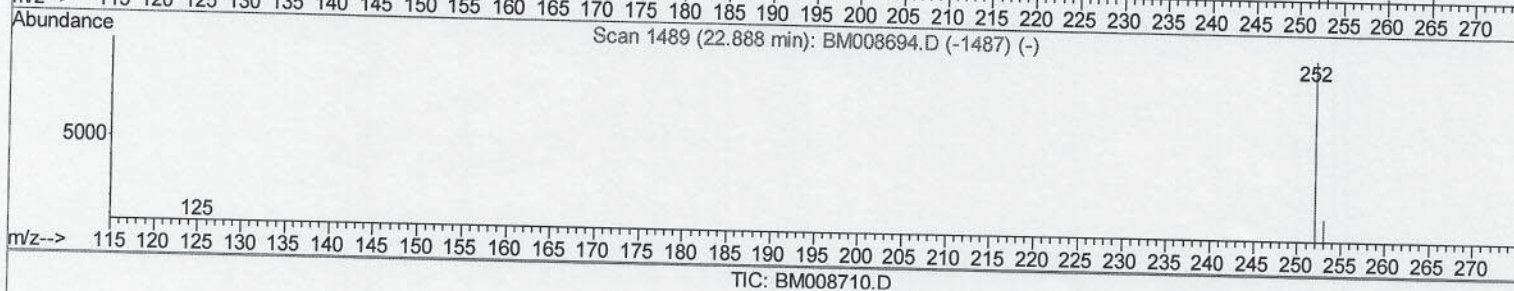
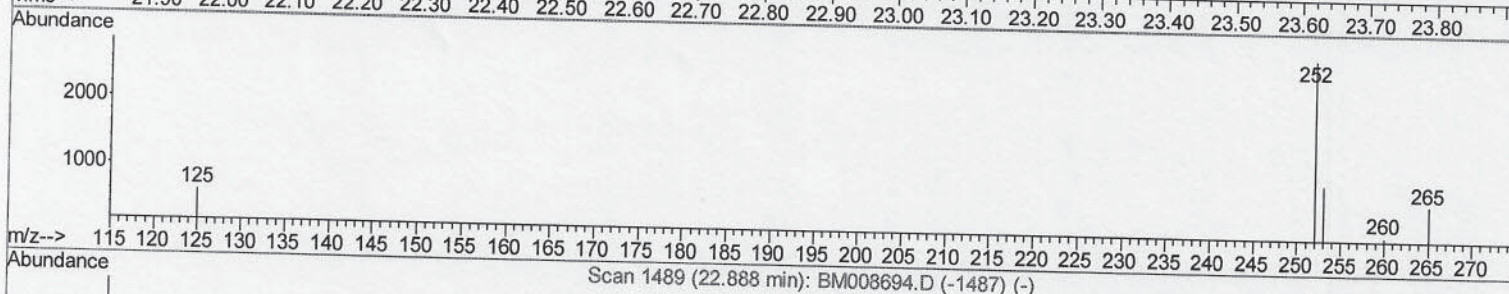
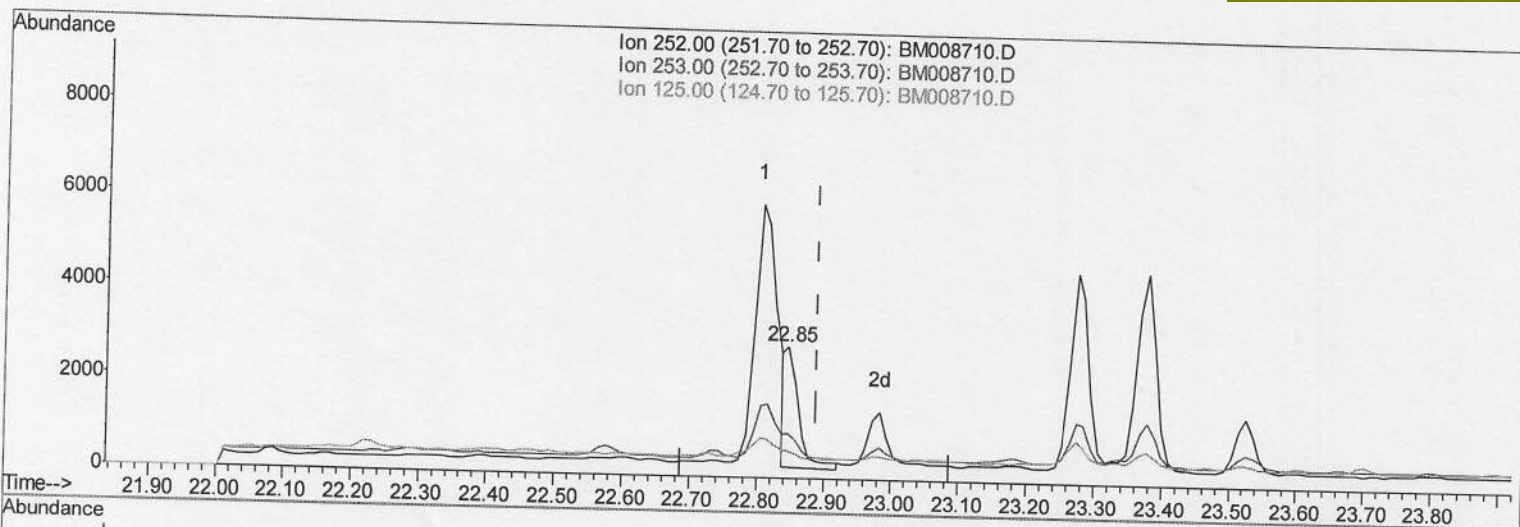
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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mohammad
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(22) Benzo(k)fluoranthene

22.847min (-0.042) 0.52ng/ul m

response 3622

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	33.89
125.00	17.10	21.18#
0.00	0.00	0.00

S. J
 12/30/16

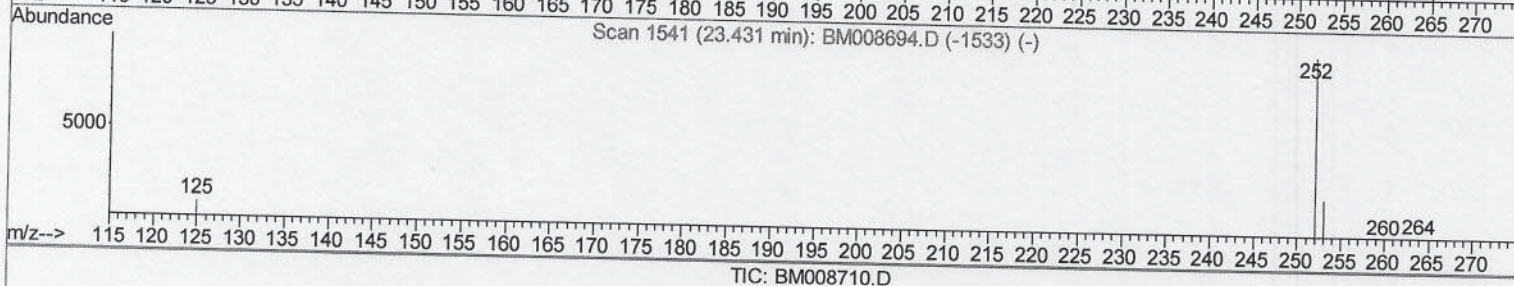
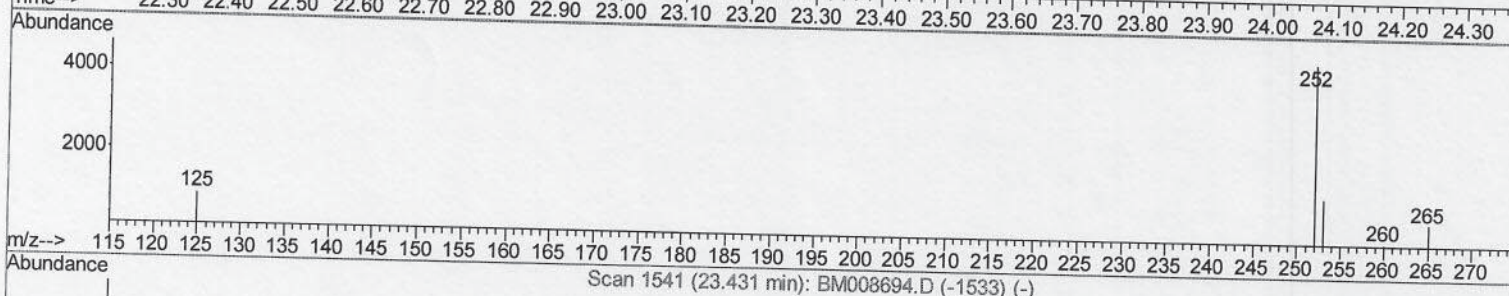
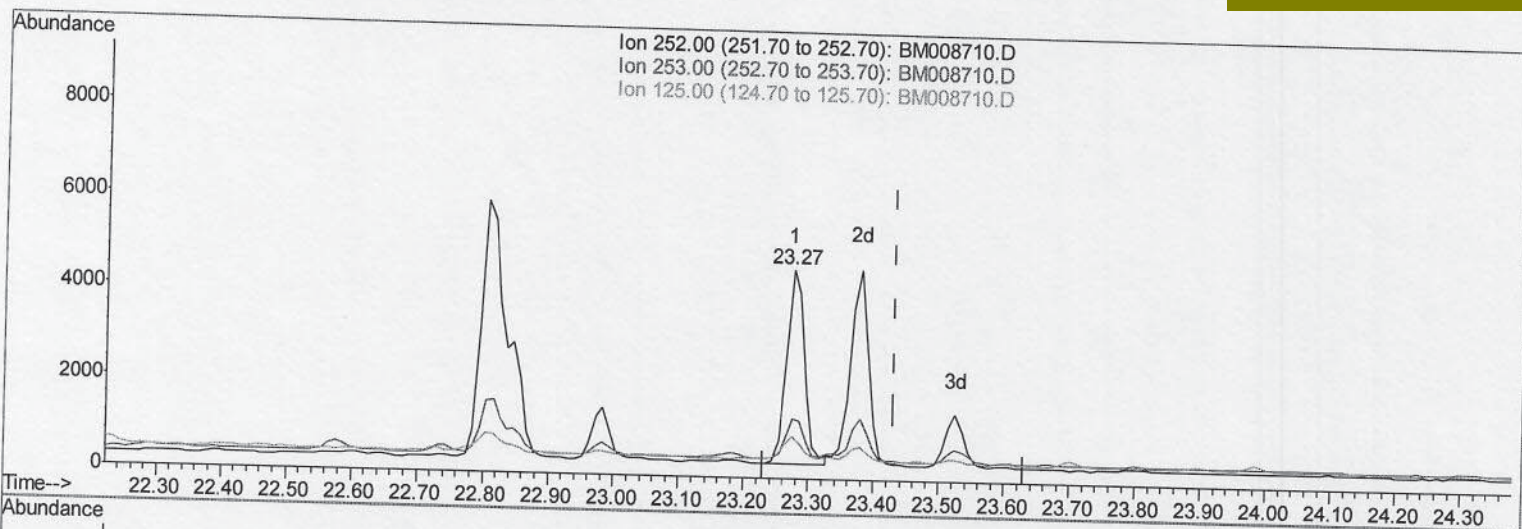
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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(23) Benzo(a)pyrene (C)

23.274min (-0.156) 1.25ng/ul

response 8212

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.63
125.00	22.60	20.14
0.00	0.00	0.00

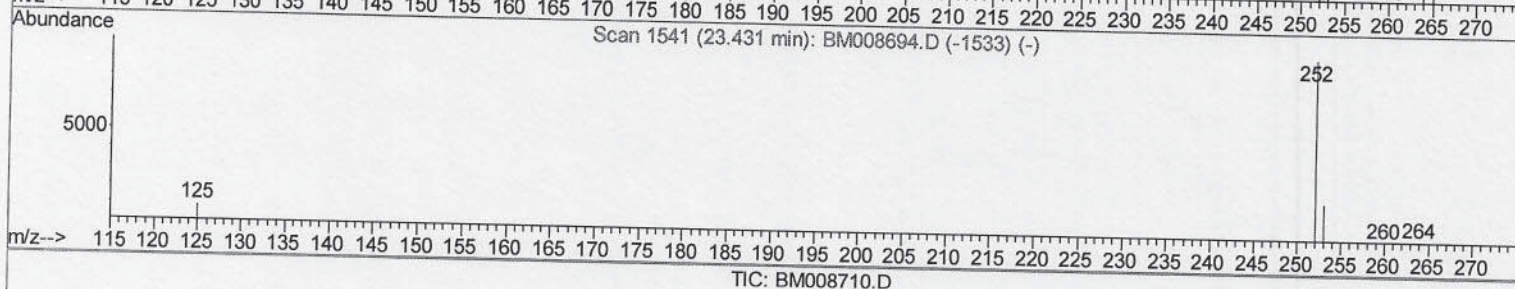
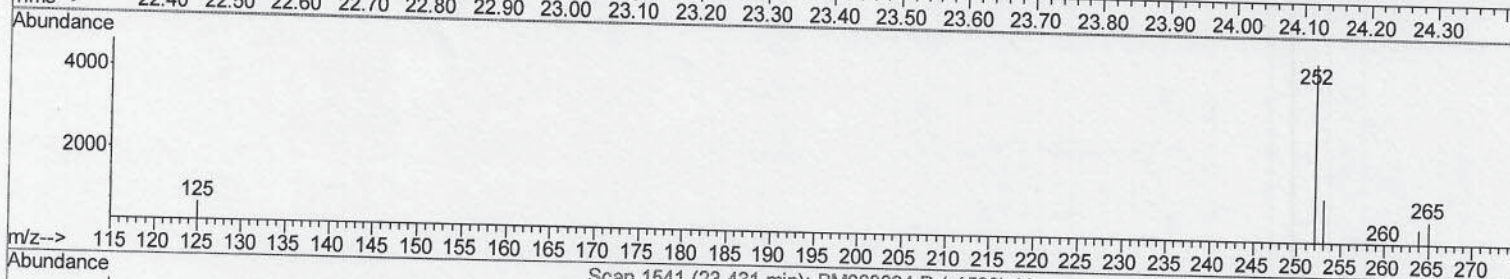
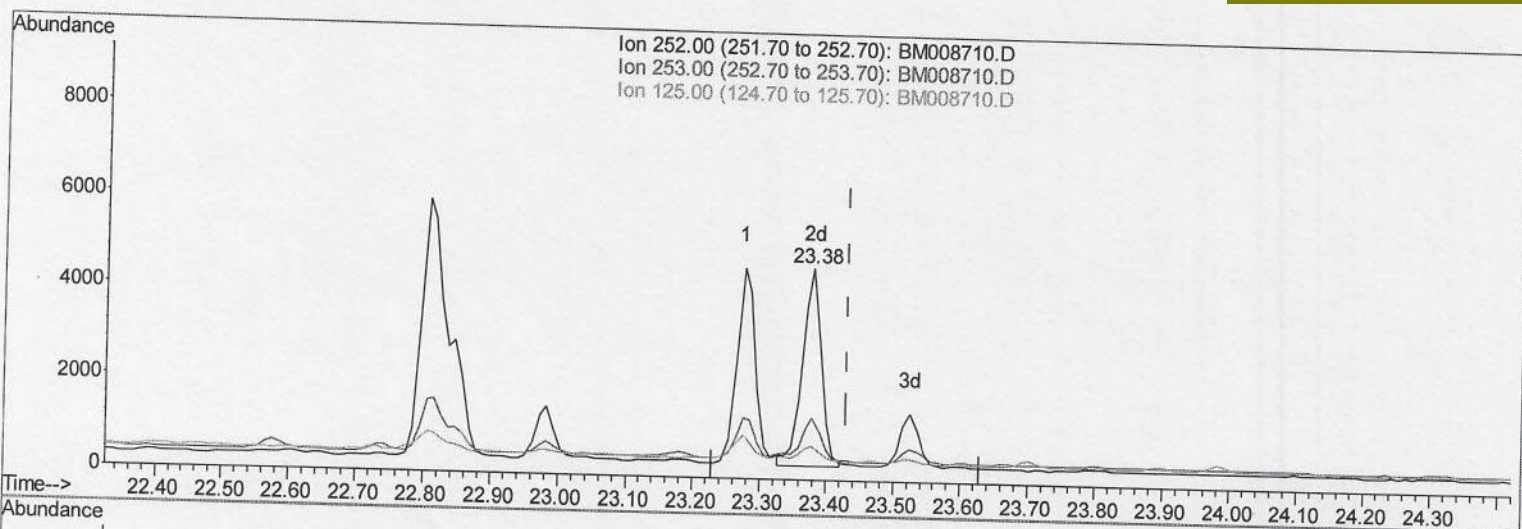
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008710.D
 Acq On : 29 Dec 2016 01:45
 Operator : UM/SJ
 Sample : H6067-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G5

Quant Time: Dec 29 06:00:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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 12/30/2016 8:54:13 AM



(23) Benzo(a)pyrene (C)

23.378min (-0.052) 1.29ng/ul m

response 8534

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.22
125.00	22.60	15.49#
0.00	0.00	0.00

S.Y
 12/30/16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008710.D
Acq On : 29 Dec 2016 01:45
Operator : UM/SJ
Sample : H6067-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7G5

Quant Time: Dec 29 06:03:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.65	152	456m	0.40	ng/ul	-0.17	S.J
2) Naphthalene-d8	10.43	136	1393m	0.40	ng/ul	-0.13	12/30/16
6) Acenaphthene-d10	14.28	164	931	0.40	ng/ul	-0.07	S.J
10) Phenanthrene-d10	17.04	188	1829m	0.40	ng/ul	-0.07	12/30/16
16) Chrysene-d12	21.25	240	1679	0.40	ng/ul	-0.03	S.J
20) Perylene-d12	23.48	264	1805m	0.40	ng/ul	-0.04	12/30/16
System Monitoring Compounds							
4) 2-Methylnaphthalene-d10	12.03	152	365m	0.17	ng/ul	-0.14	S.J
14) Fluoranthene-d10	19.08	212	1377m	0.27	ng/ul	-0.05	12/30/16
Target Compounds							
3) Naphthalene	10.48	128	4051m	1.03	ng/ul		Qvalue
5) 2-Methylnaphthalene	12.10	142	4497m	1.70	ng/ul		12/30/16
7) Acenaphthylene	14.00	152	1616	0.38	ng/ul#	80	
8) Acenaphthene	14.35	153	325	0.10	ng/ul#	75	
9) Fluorene	15.34	166	424	0.12	ng/ul#	72	
12) Phenanthrene	17.07	178	14099	2.52	ng/ul	96	S.J
13) Anthracene	17.18	178	2226m	0.41	ng/ul		12/30/16
15) Fluoranthene	19.11	202	14088	2.06	ng/ul	96	
17) Pyrene	19.47	202	15506	2.39	ng/ul	99	
18) Benzo(a)anthracene	21.23	228	9164	1.66	ng/ul#	89	
19) Chrysene	21.28	228	10212	1.69	ng/ul#	90	
21) Benzo(b)fluoranthene	22.81	252	12928m	1.82	ng/ul		S.J
22) Benzo(k)fluoranthene	22.85	252	3622m	0.52	ng/ul		12/30/16
23) Benzo(a)pyrene	23.38	252	8534m	1.29	ng/ul		
24) Indeno(1,2,3-cd)pyrene	25.72	276	5974	0.76	ng/ul#	90	
25) Dibenzo(a,h)anthracene	25.71	278	1595	0.25	ng/ul#	55	
26) Benzo(g,h,i)perylene	26.41	276	6574	0.98	ng/ul	94	

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

(Q1 Reviewed)

Manual Integrations
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Quant Time: Dec 29 06:03:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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