

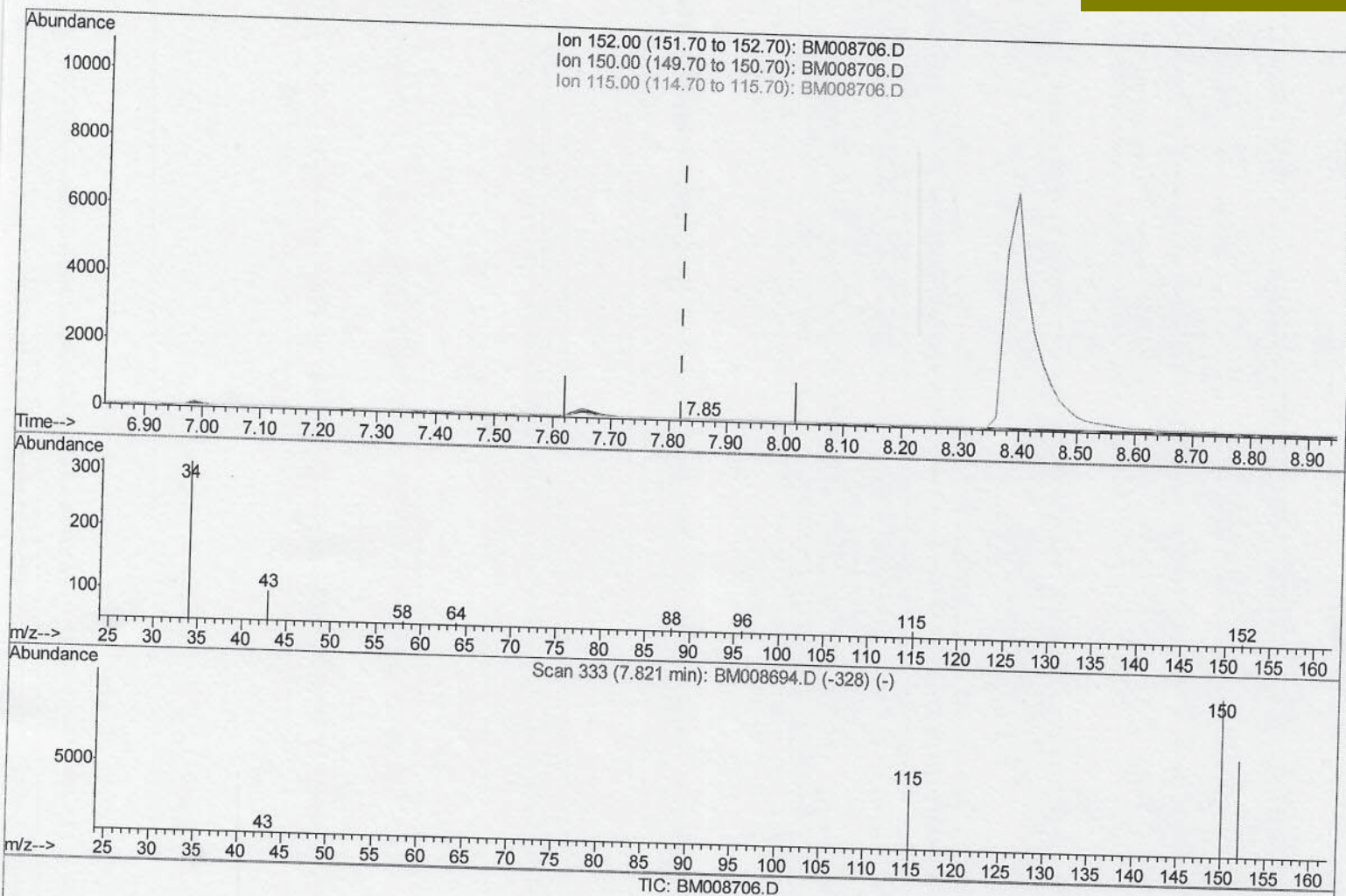
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008706.D
Acq On : 28 Dec 2016 22:45
Operator : UM/SJ
Sample : H6067-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA794

Quant Time: Dec 29 03:34:21 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)

7.851min (+0.031) 0.40ng/ul

response 5

Ion	Exp%	Act%
152.00	100	100
150.00	143.40	94.34#
115.00	64.90	113.21#
0.00	0.00	0.00

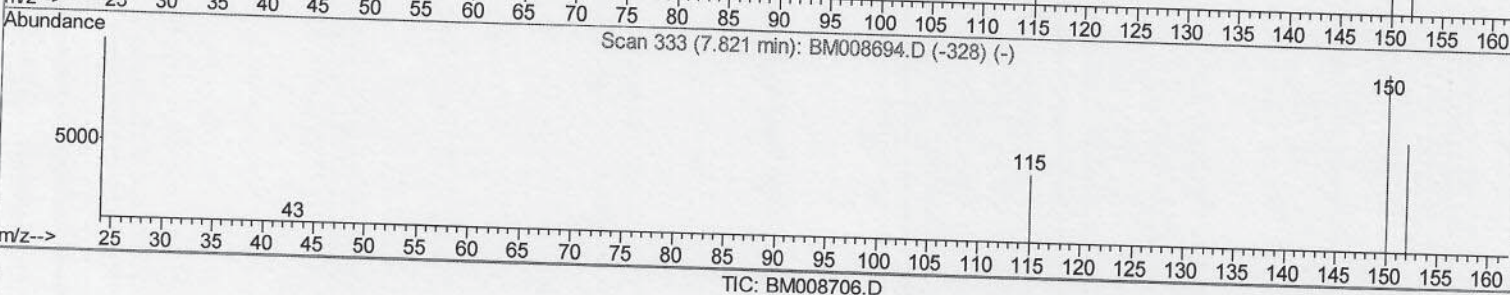
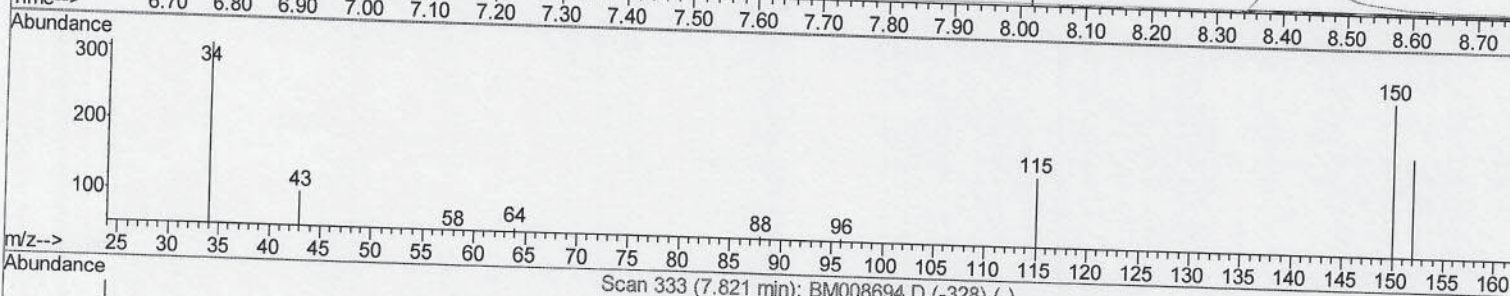
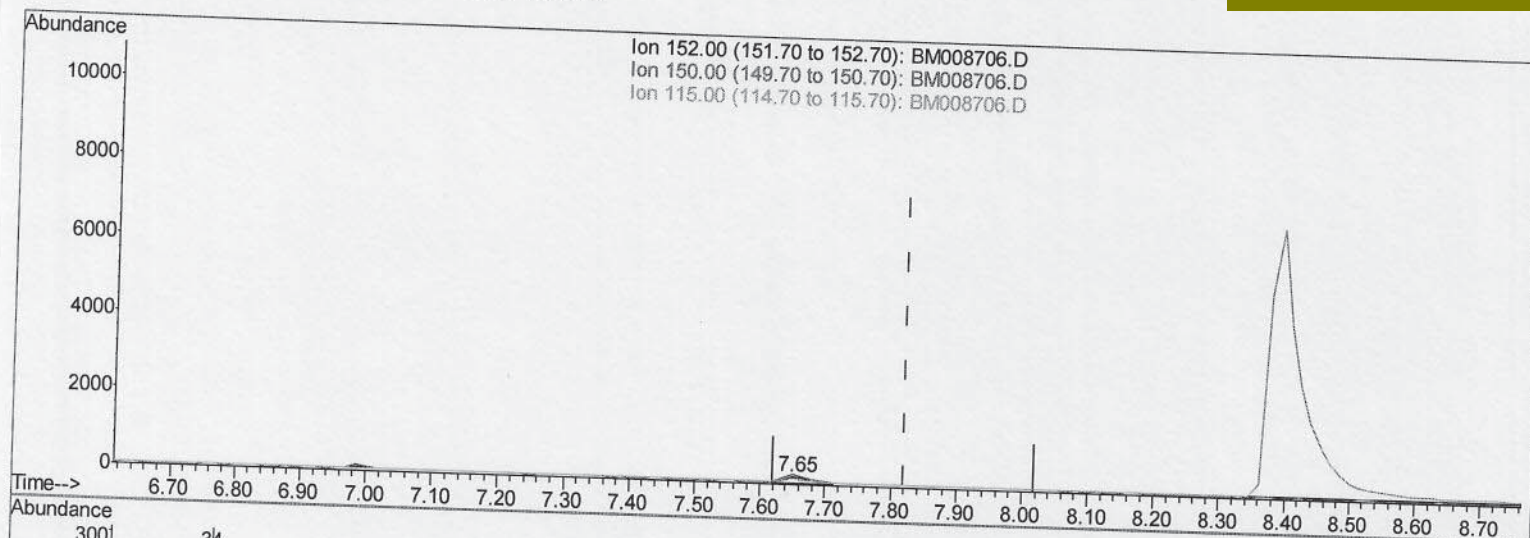
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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TIC: BM008706.D

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

7.650min (-0.170) 0.40ng/ul m

response 471

Ion Exp% Act%

152.00 100 100

150.00 143.40 139.38

115.00 64.90 78.24#

0.00 0.00 0.00

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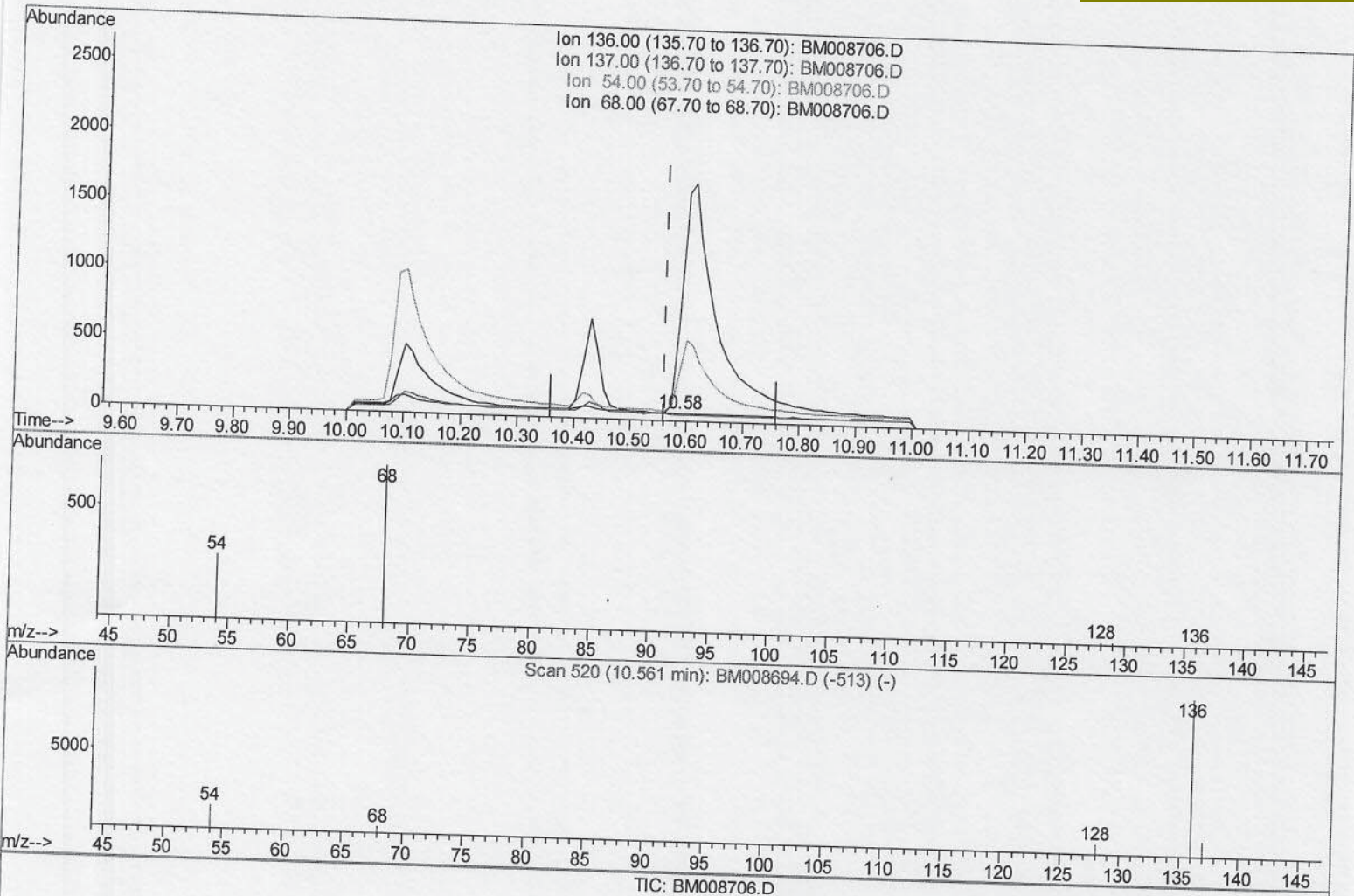
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Dec 29 03:34:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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(2) Naphthalene-d8 (I)

10.585min (+0.024) 0.40ng/ul

response 22

Ion	Exp%	Act%
136.00	100	100
137.00	13.90	89.47#
54.00	15.50	542.11#
68.00	9.90	1207.02#

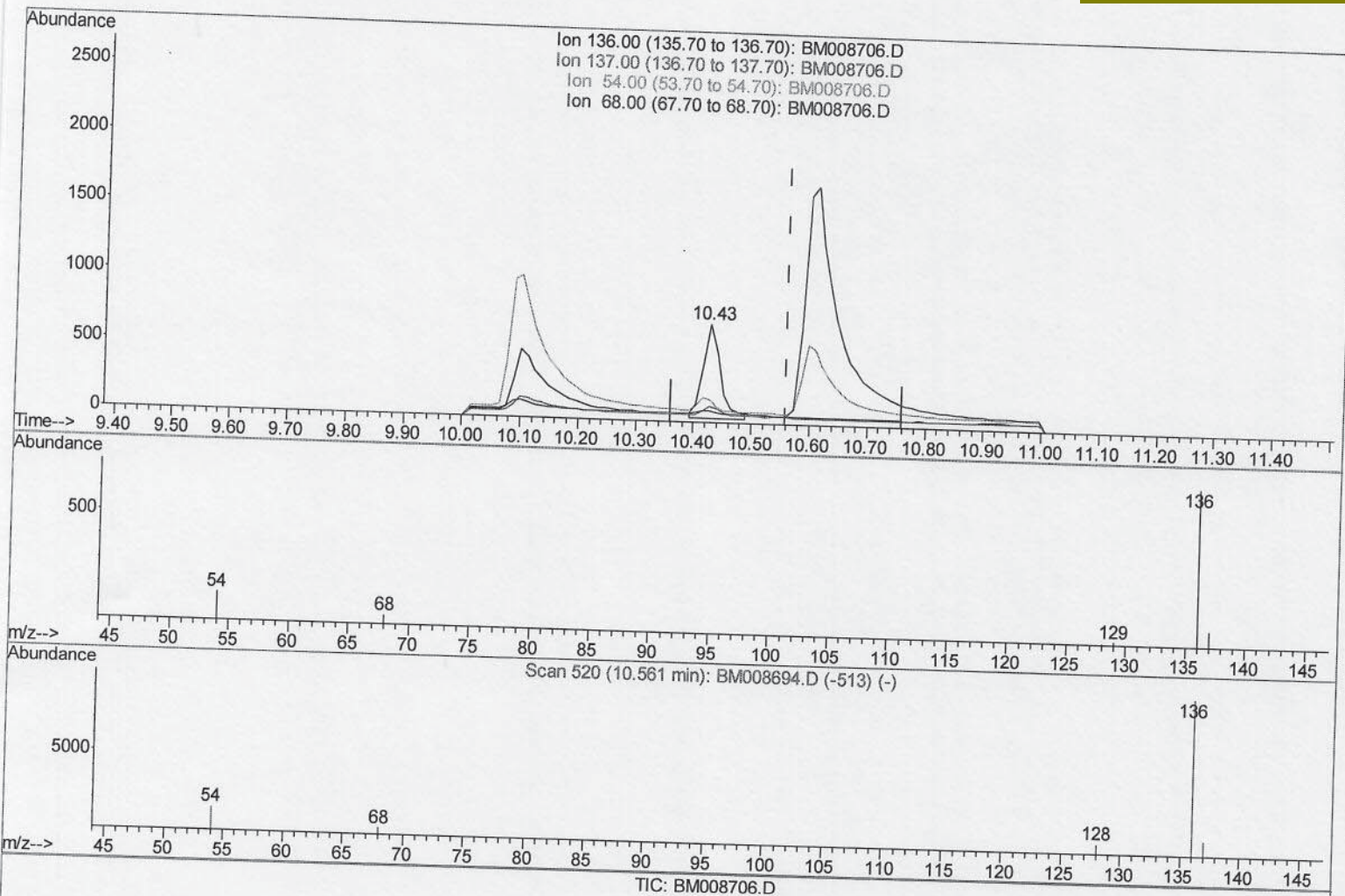
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 03:34:21 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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(2) Naphthalene-d8 (I)

10.427min (-0.133) 0.40ng/ul m

response 1425

Ion	Exp%	Act%
136.00	100	100
137.00	13.90	16.78#
54.00	15.50	23.50#
68.00	9.90	12.31#

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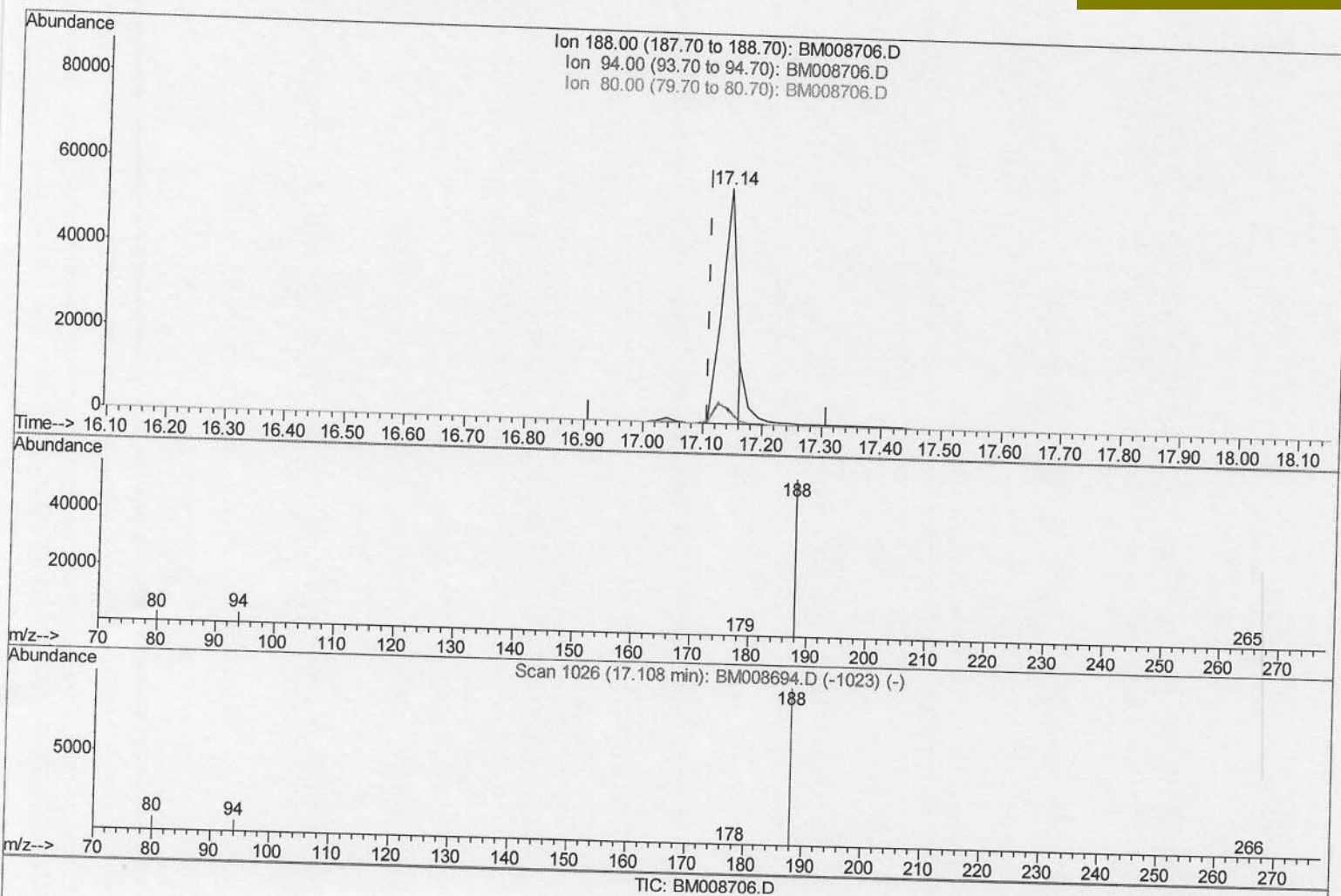
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

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Quant Time: Dec 29 03:34:21 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
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.142min (+0.034) 0.40ng/ul

response 97508

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	6.25#
80.00	11.80	5.53#
0.00	0.00	0.00

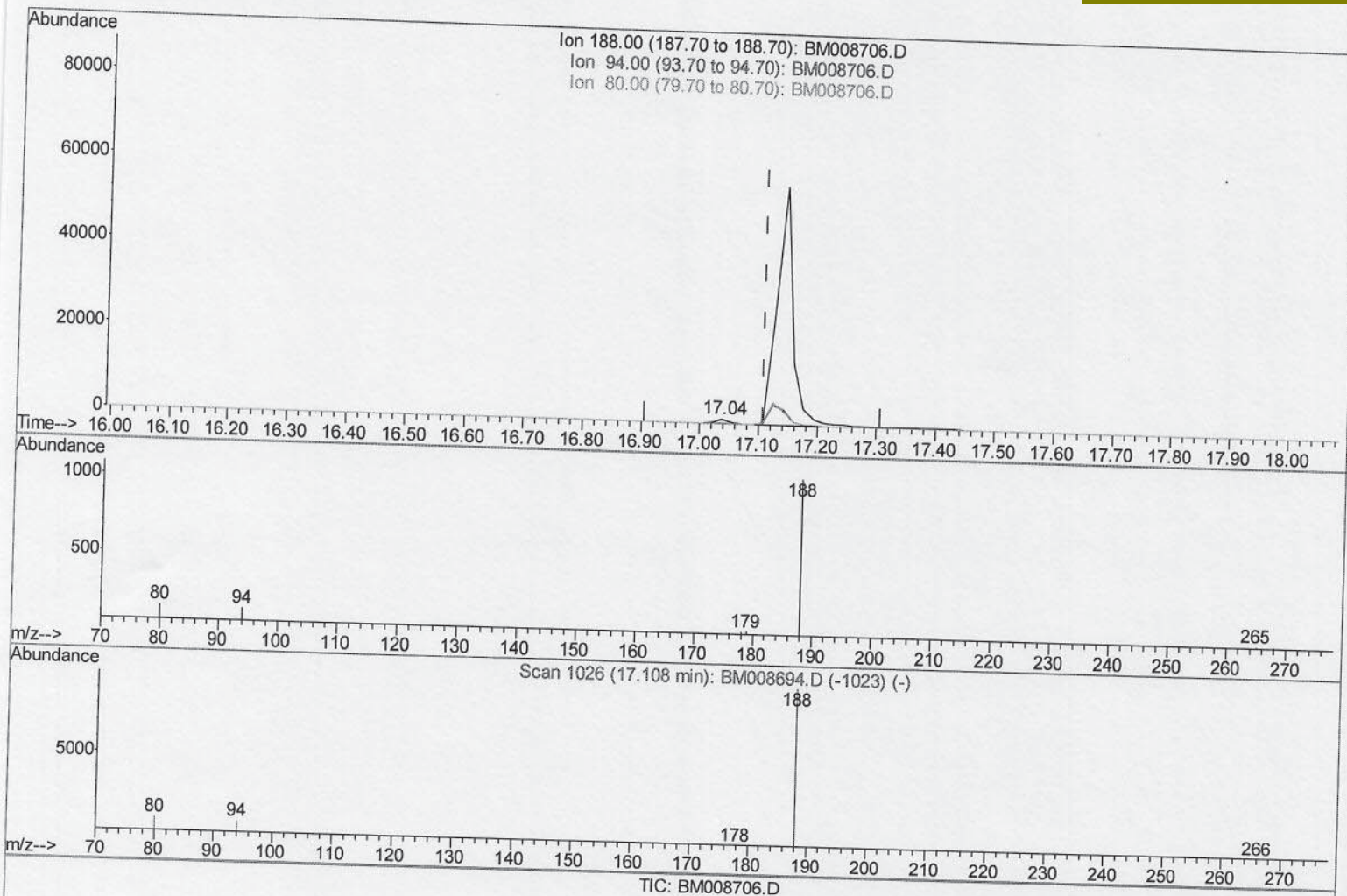
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 03:34:21 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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(10) Phenanthrene-d10 (I)

17.039min (-0.069) 0.40ng/ul m

response 1583

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.16
80.00	11.80	13.00
0.00	0.00	0.00

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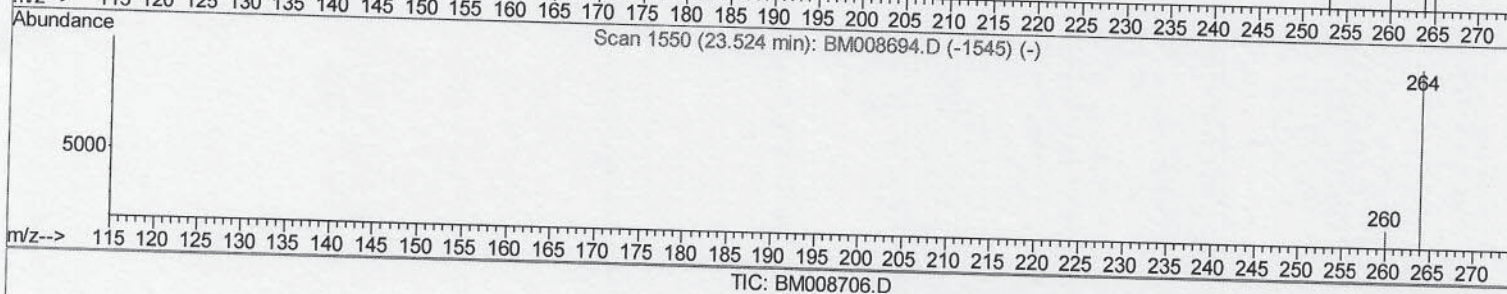
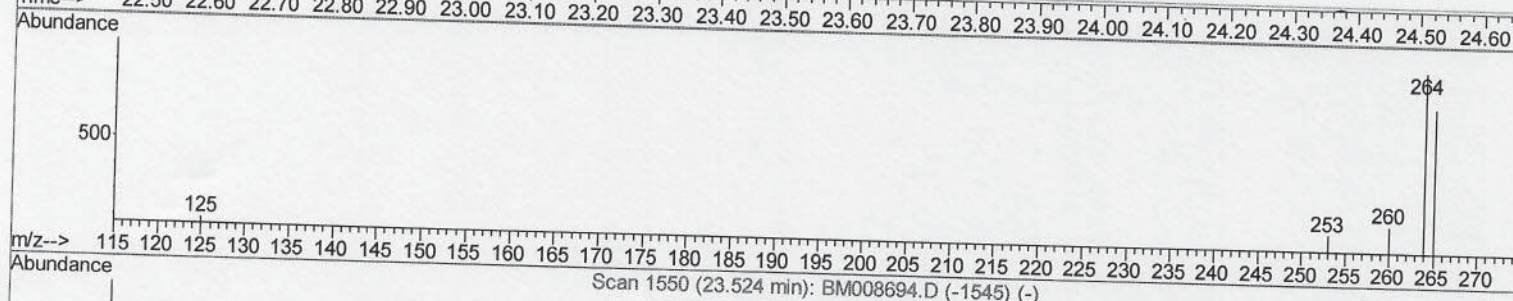
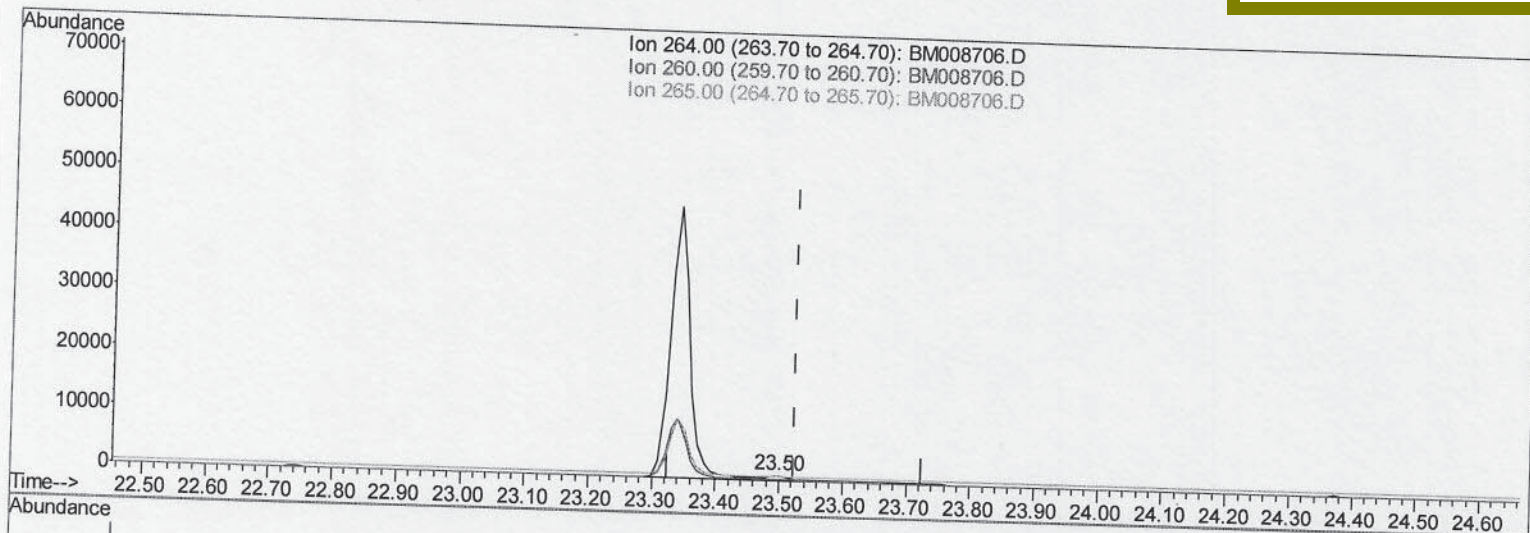
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 03:34:21 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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(20) Perylene-d12 (I)

23.496min (-0.028) 0.40ng/ul

response 2136

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.70
265.00	103.50	83.92
0.00	0.00	0.00

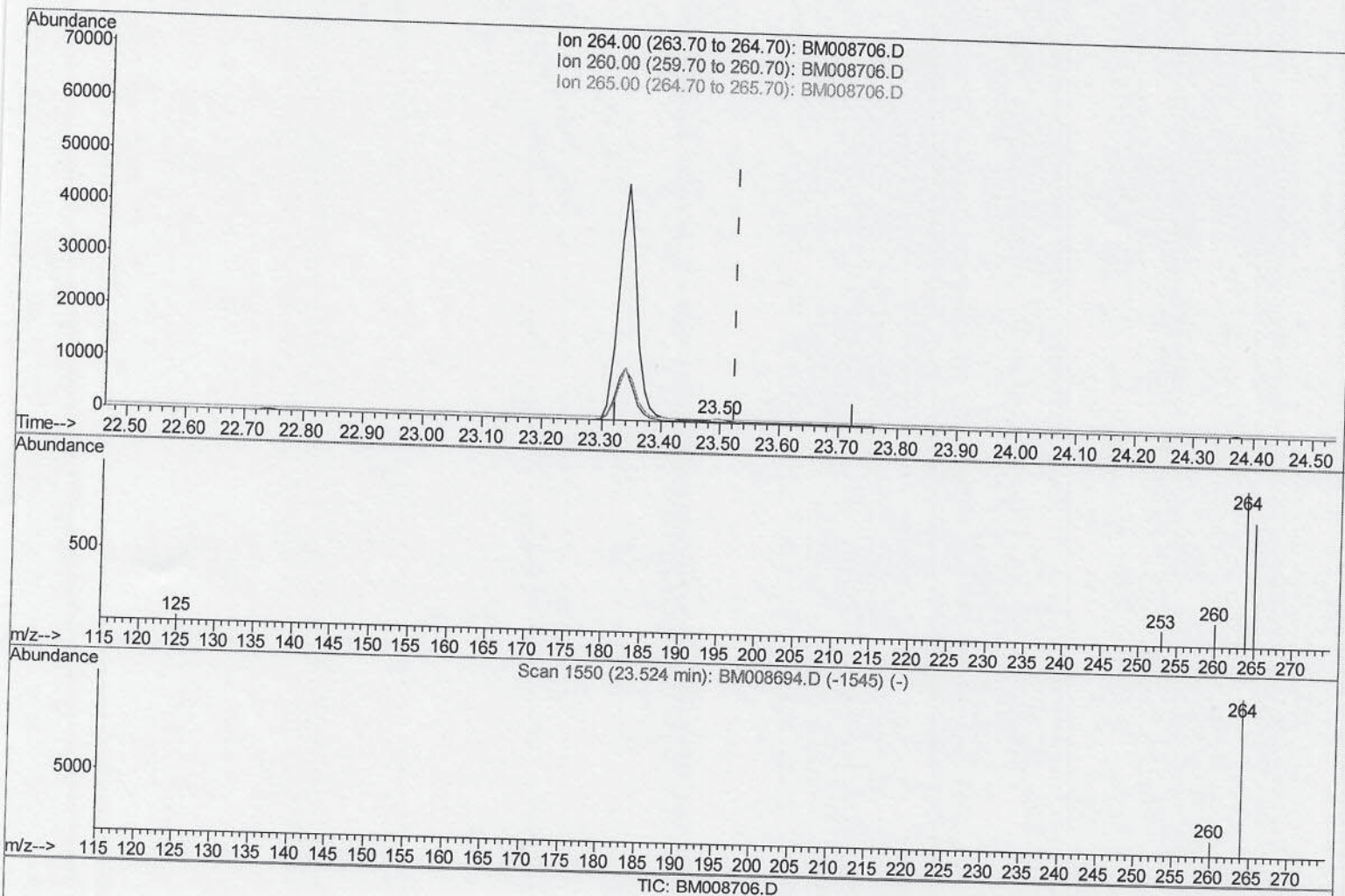
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008706.D
Acq On : 28 Dec 2016 22:45
Operator : UM/SJ
Sample : H6067-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA794

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Quant Time: Dec 29 03:34:21 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



(20) Perylene-d12 (I)

23.496min (-0.028) 0.40ng/ul m

response 1323

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.70
265.00	103.50	83.92
0.00	0.00	0.00

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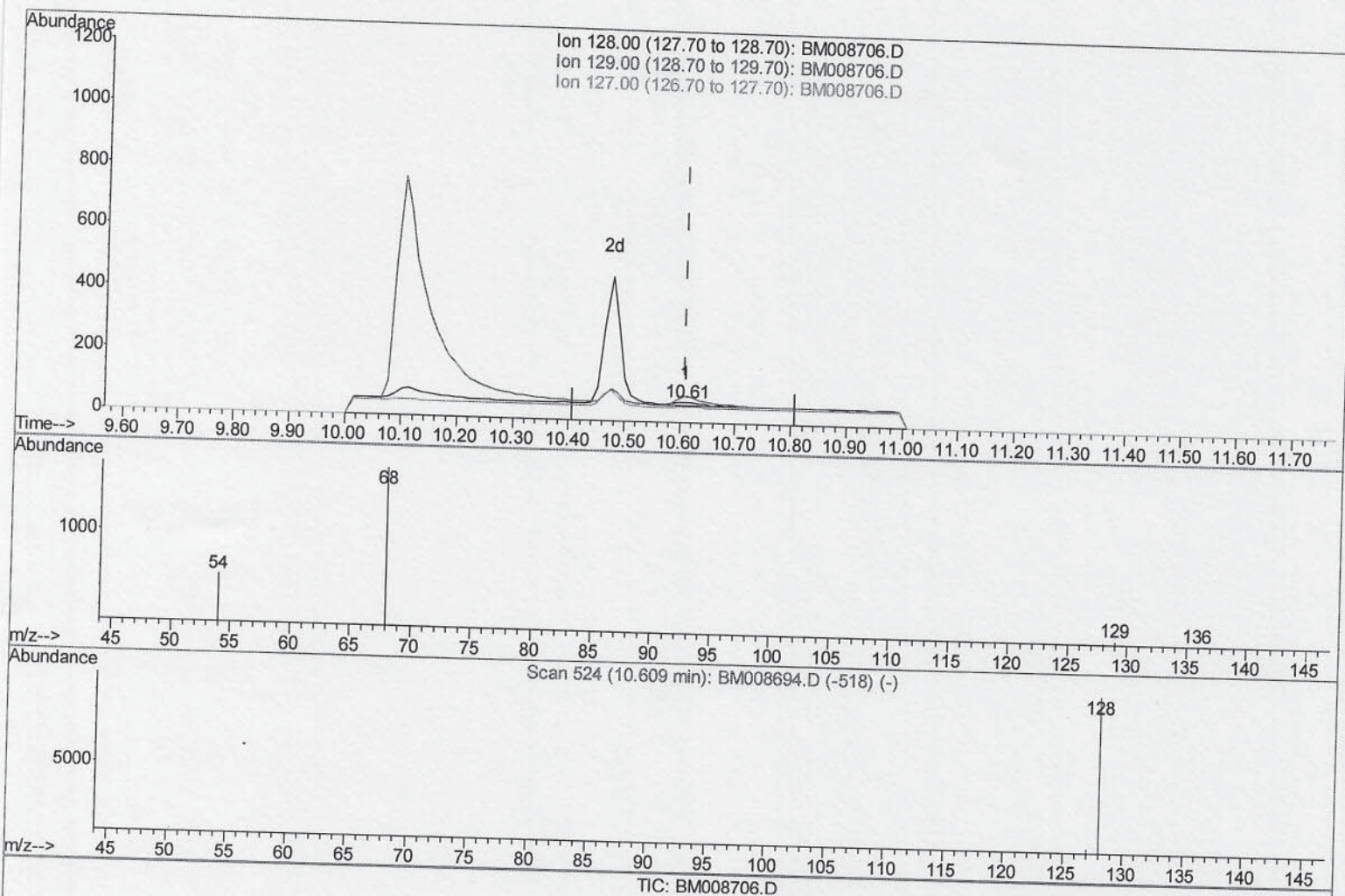
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 04:50:35 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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(3) Naphthalene

10.609min (-0.000) 0.01ng/ul

response 60

Ion	Exp%	Act%
128.00	100	100
129.00	14.10	129.41#
127.00	16.00	79.41#
0.00	0.00	0.00

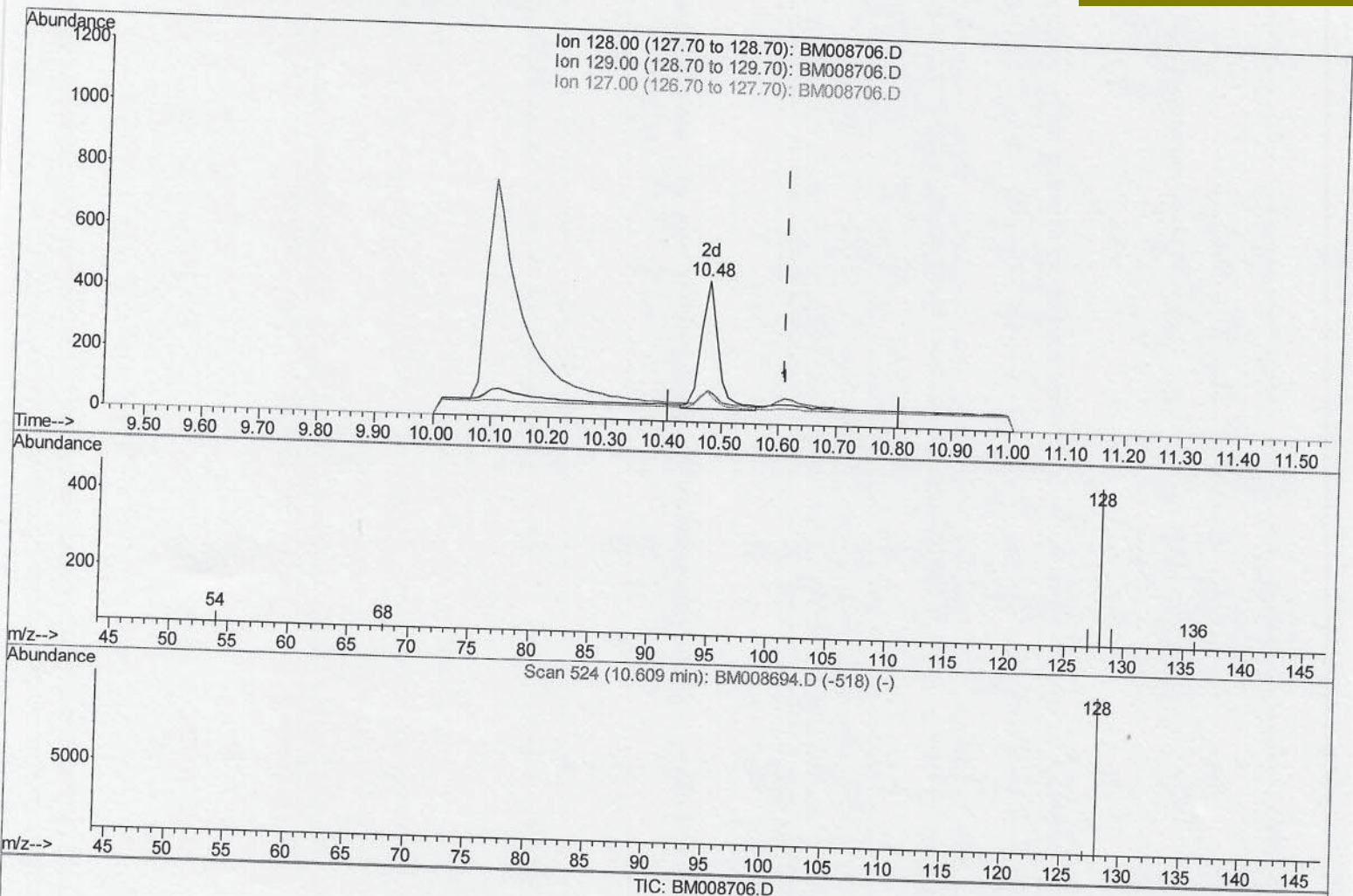
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Manual Integrations
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Quant Time: Dec 29 04:50:35 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
 Response via : Initial Calibration



(3) Naphthalene

10.476min (-0.133) 0.22ng/ul m

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response 901

Ion	Exp%	Act%
128.00	100	100
129.00	14.10	22.34#
127.00	16.00	21.91#
0.00	0.00	0.00

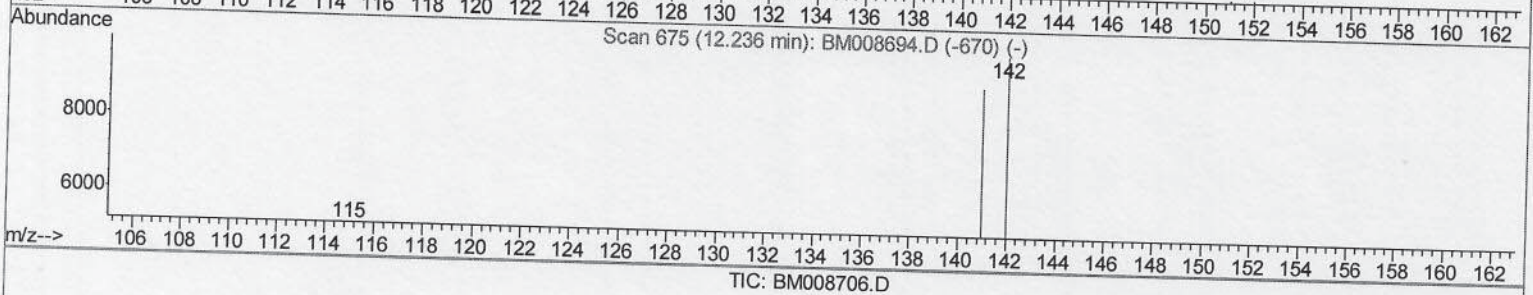
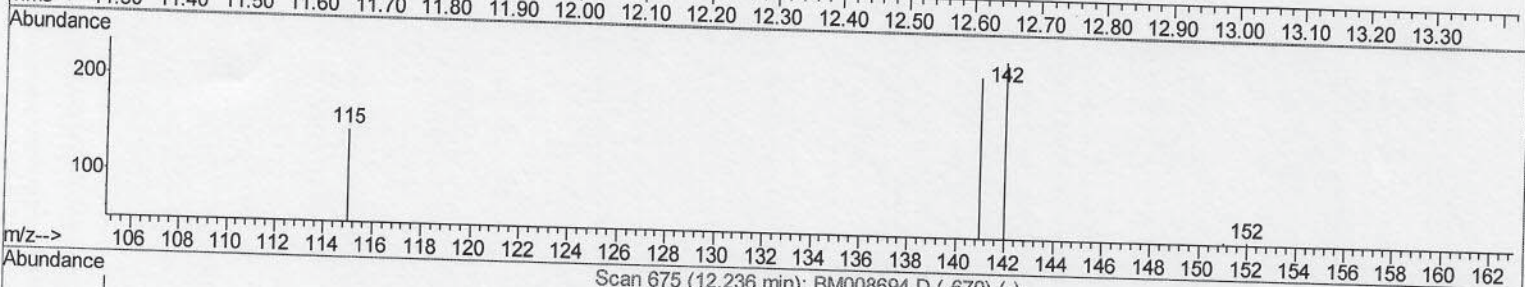
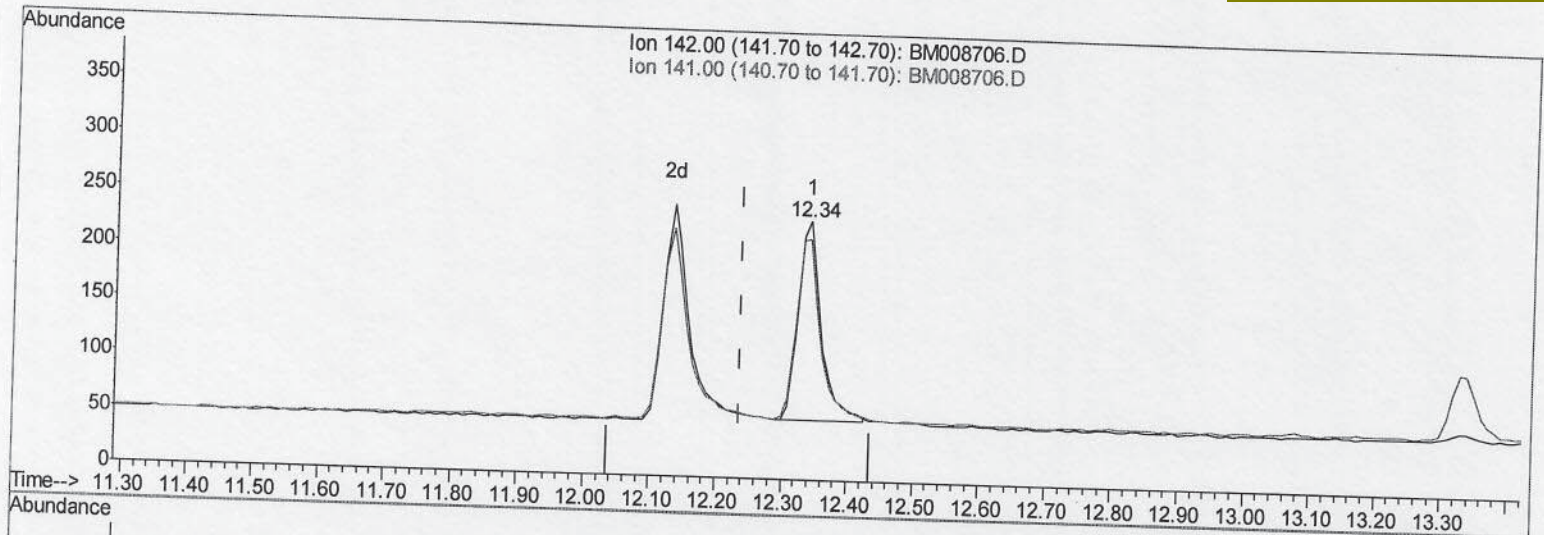
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 04:50:35 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: BM008706.D

(5) 2-Methylnaphthalene

12.340min (+0.104) 0.16ng/ul

response 432

Ion	Exp%	Act%
142.00	100	100
141.00	90.70	95.37
0.00	0.00	0.00
0.00	0.00	0.00

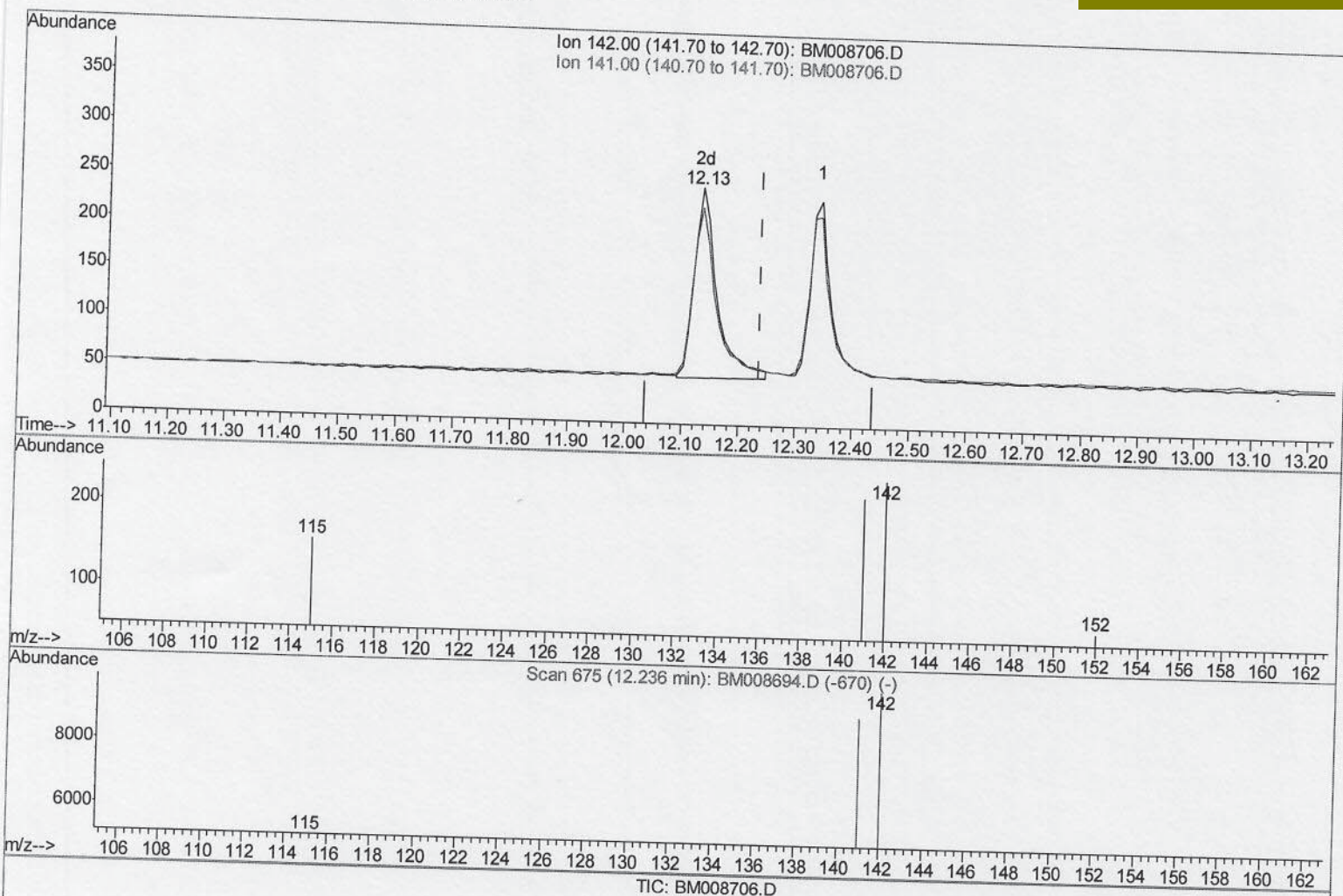
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 04:50:35 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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(5) 2-Methylnaphthalene

12.132min (-0.104) 0.21ng/ul m

response 554

Ion Exp% Act%

142.00 100 100

141.00 90.70 74.37

0.00 0.00 0.00

0.00 0.00 0.00

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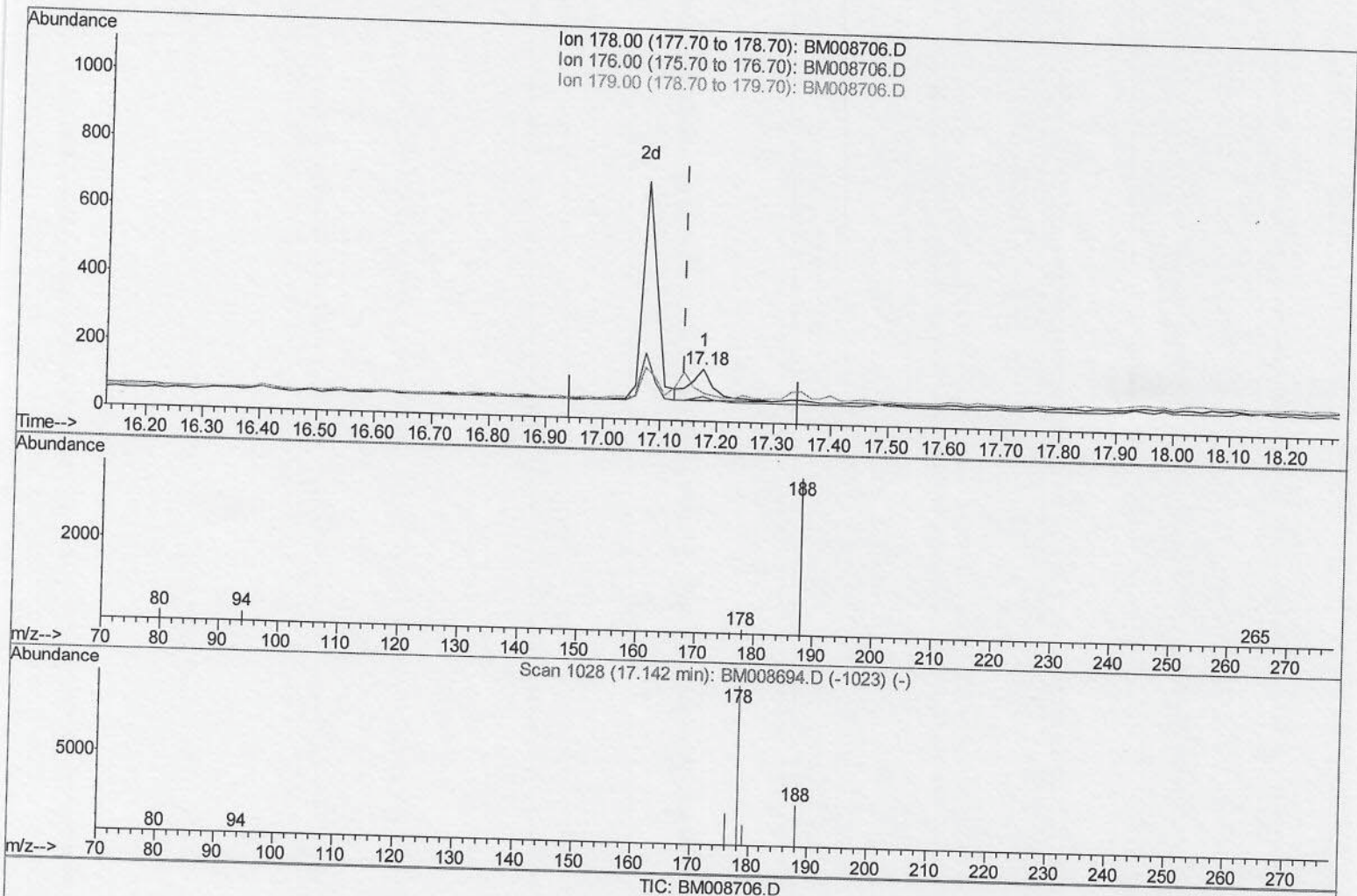
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008706.D
Acq On : 28 Dec 2016 22:45
Operator : UM/SJ
Sample : H6067-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA794

Quant Time: Dec 29 04:50:35 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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(12) Phenanthrene

17.176min (+0.034) 0.05ng/ul

response 262

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	47.74#
179.00	17.00	54.84#
0.00	0.00	0.00

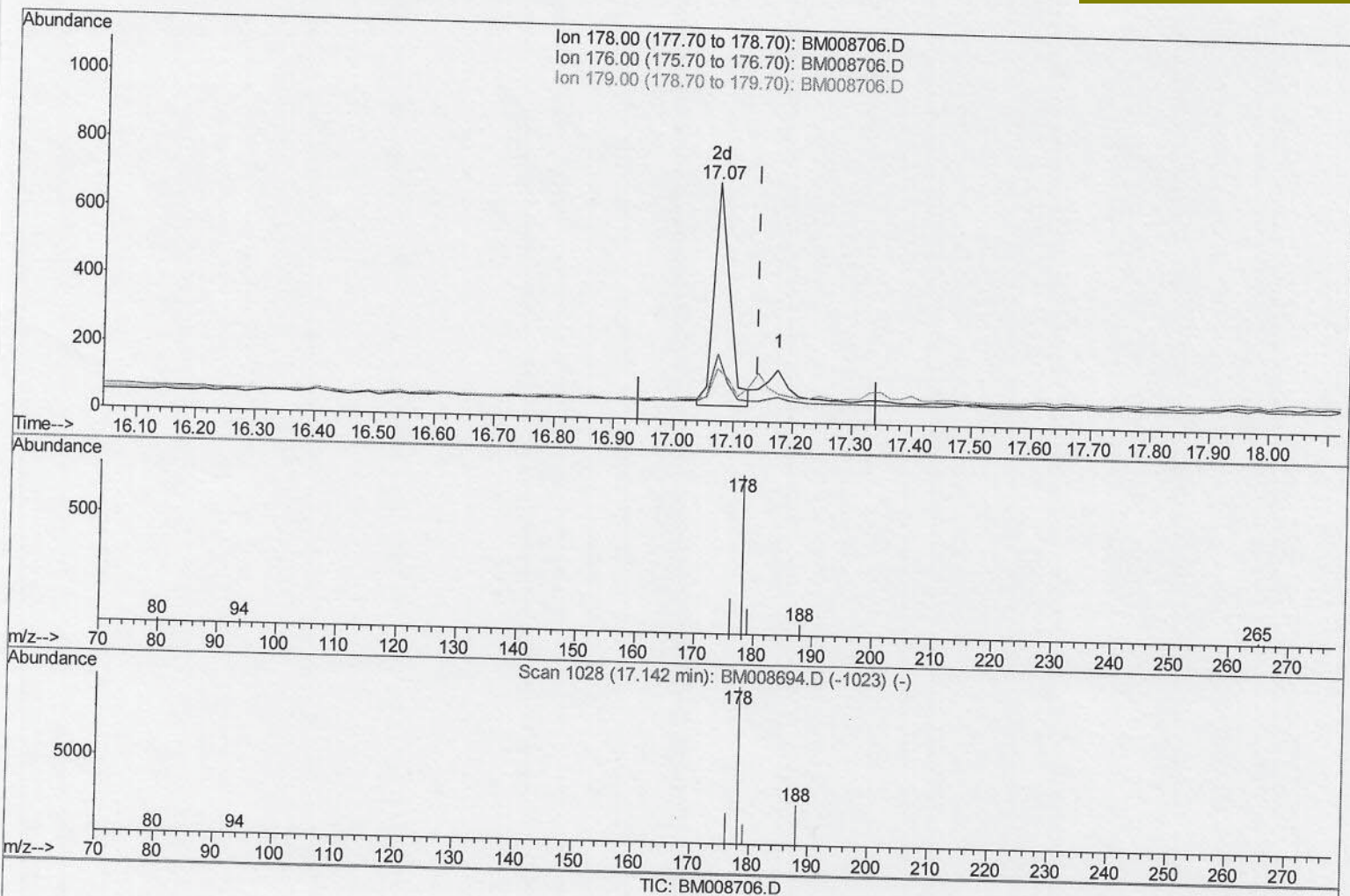
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 04:50:35 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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(12) Phenanthrene

17.073min (-0.069) 0.25ng/ul m

response 1209

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	28.09#
179.00	17.00	21.84#
0.00	0.00	0.00

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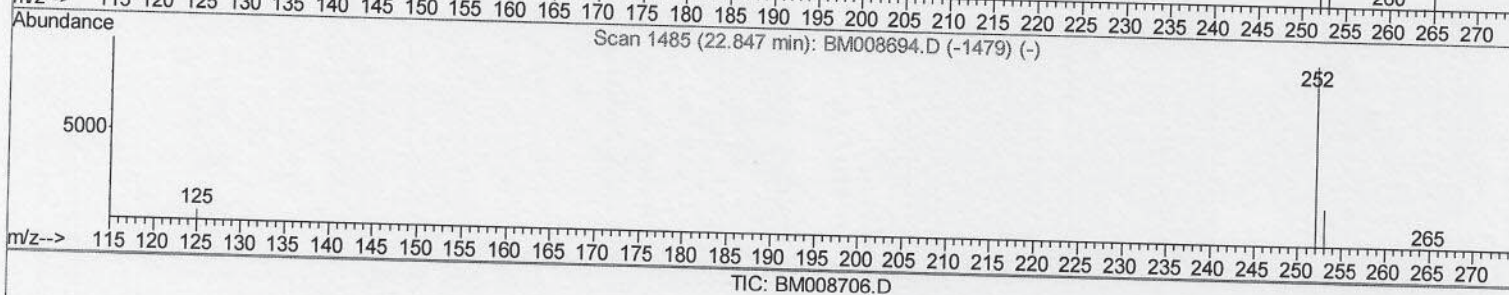
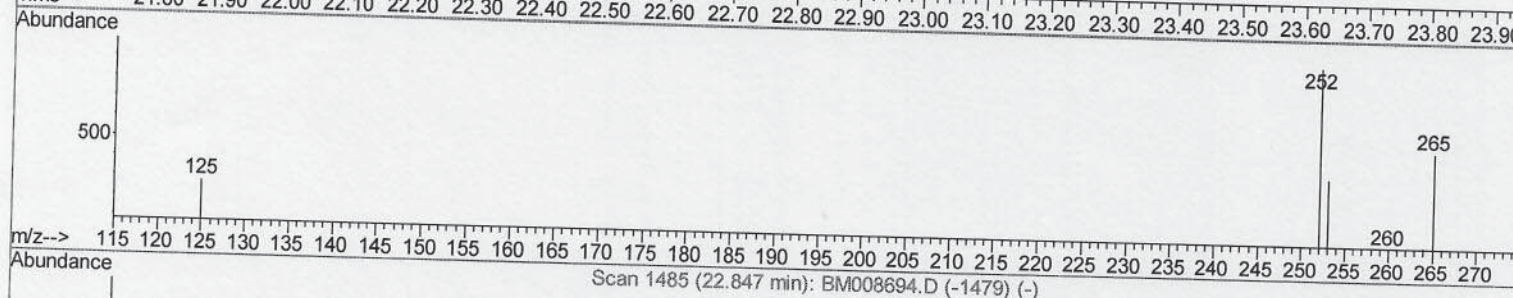
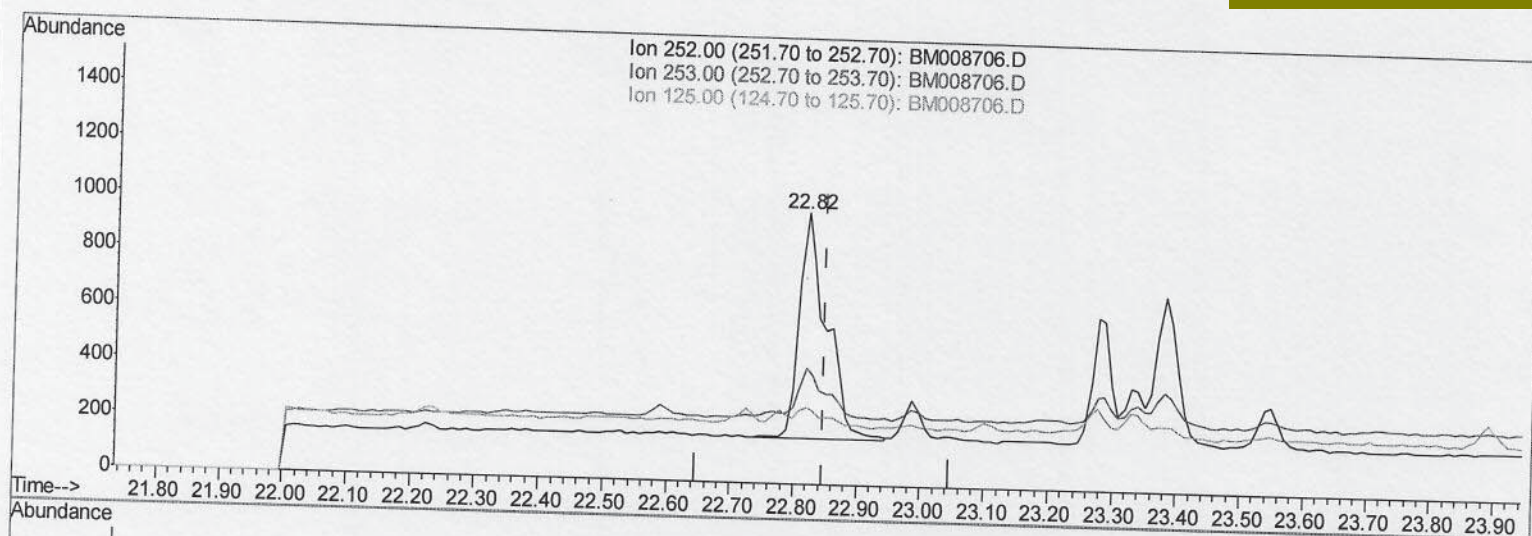
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008706.D
Acq On : 28 Dec 2016 22:45
Operator : UM/SJ
Sample : H6067-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA794

Quant Time: Dec 29 04:50:35 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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(21) Benzo(b)fluoranthene

22.819min (-0.028) 0.46ng/ul

response 2414

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	42.55
125.00	17.50	28.27
0.00	0.00	0.00

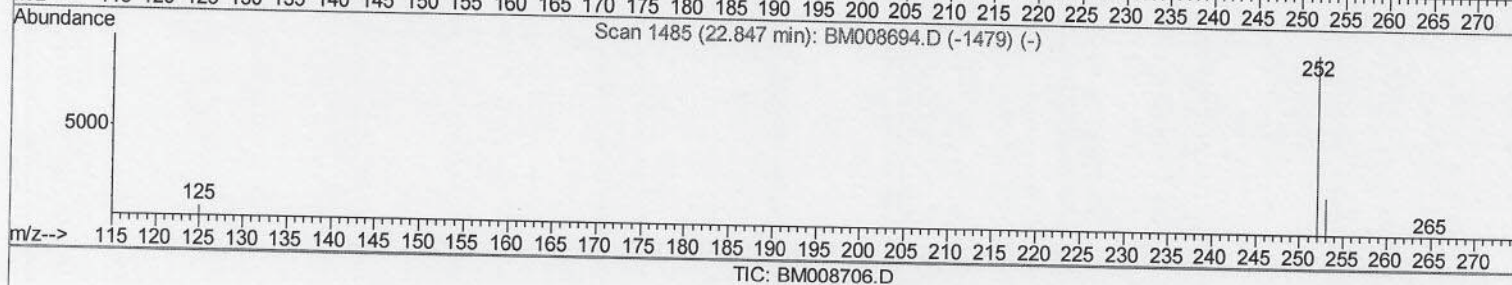
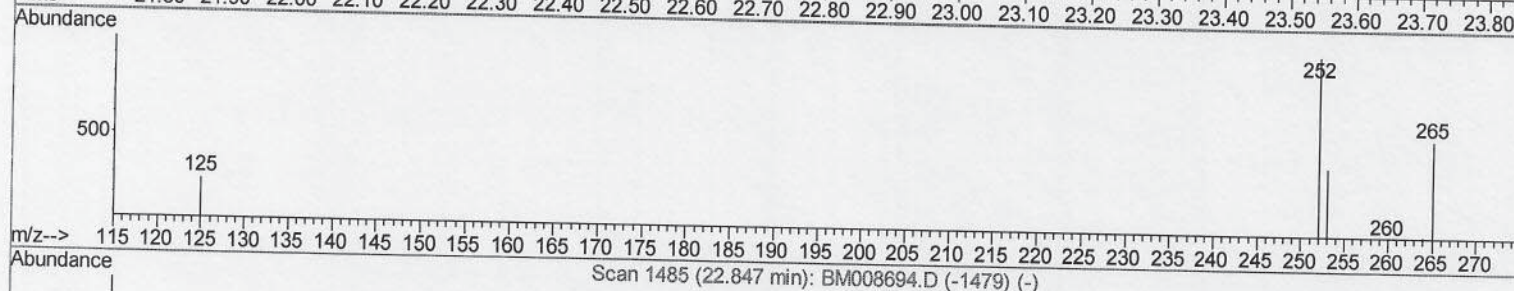
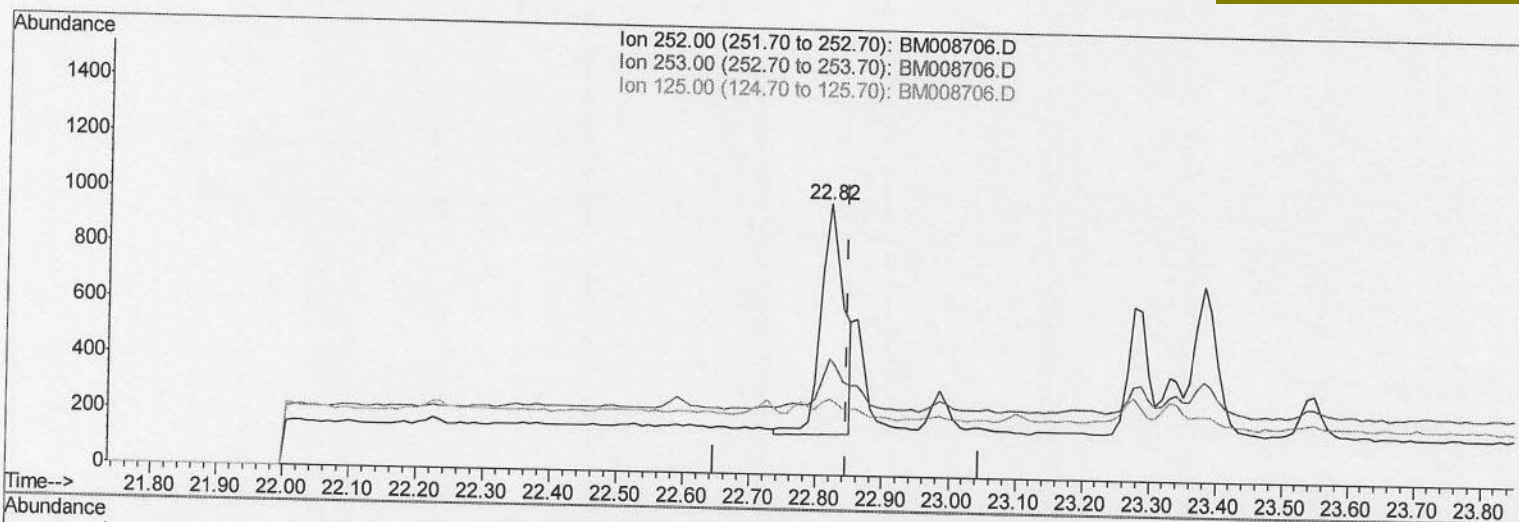
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 04:50:35 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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(21) Benzo(b)fluoranthene

22.819min (-0.028) 0.39ng/ul m

response 2026

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	42.55
125.00	17.50	28.27
0.00	0.00	0.00

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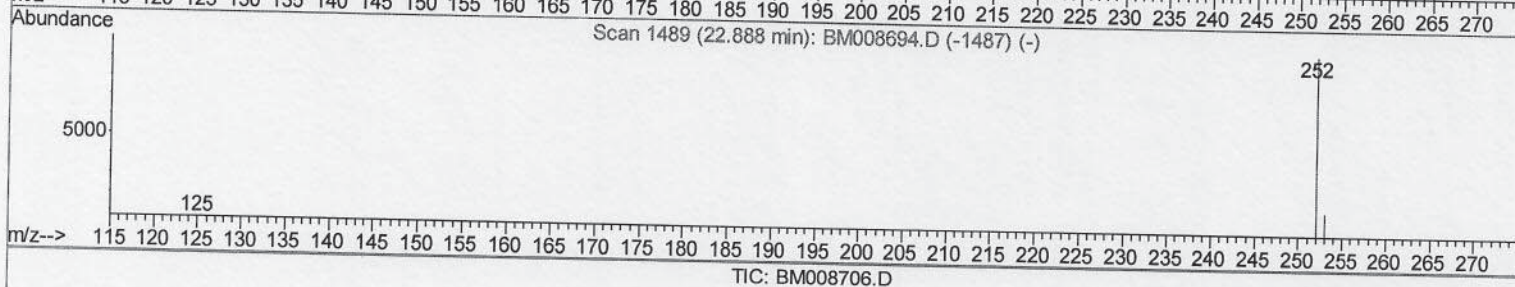
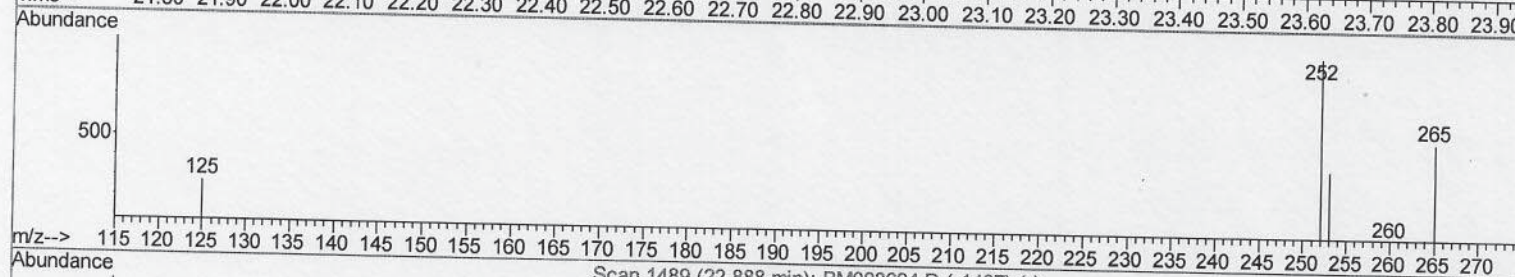
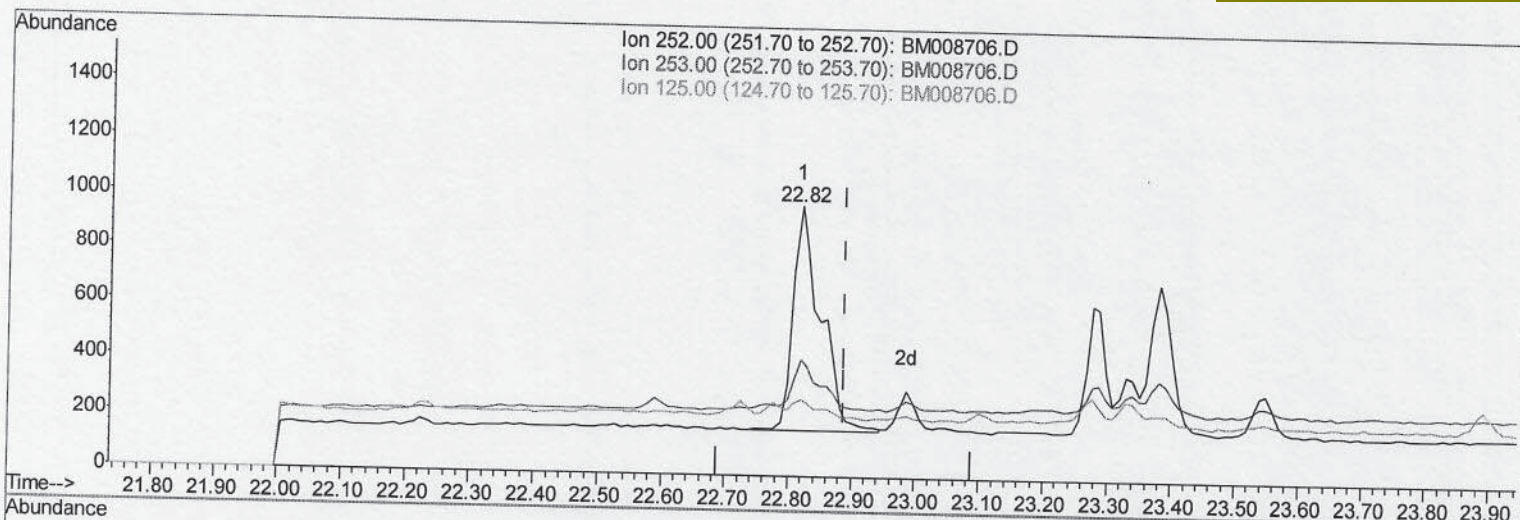
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 04:50:35 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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 Response via : Initial Calibration

Manual Integrations
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(22) Benzo(k)fluoranthene

22.819min (-0.070) 0.47ng/ul

response 2414

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	42.55#
125.00	17.10	28.27#
0.00	0.00	0.00

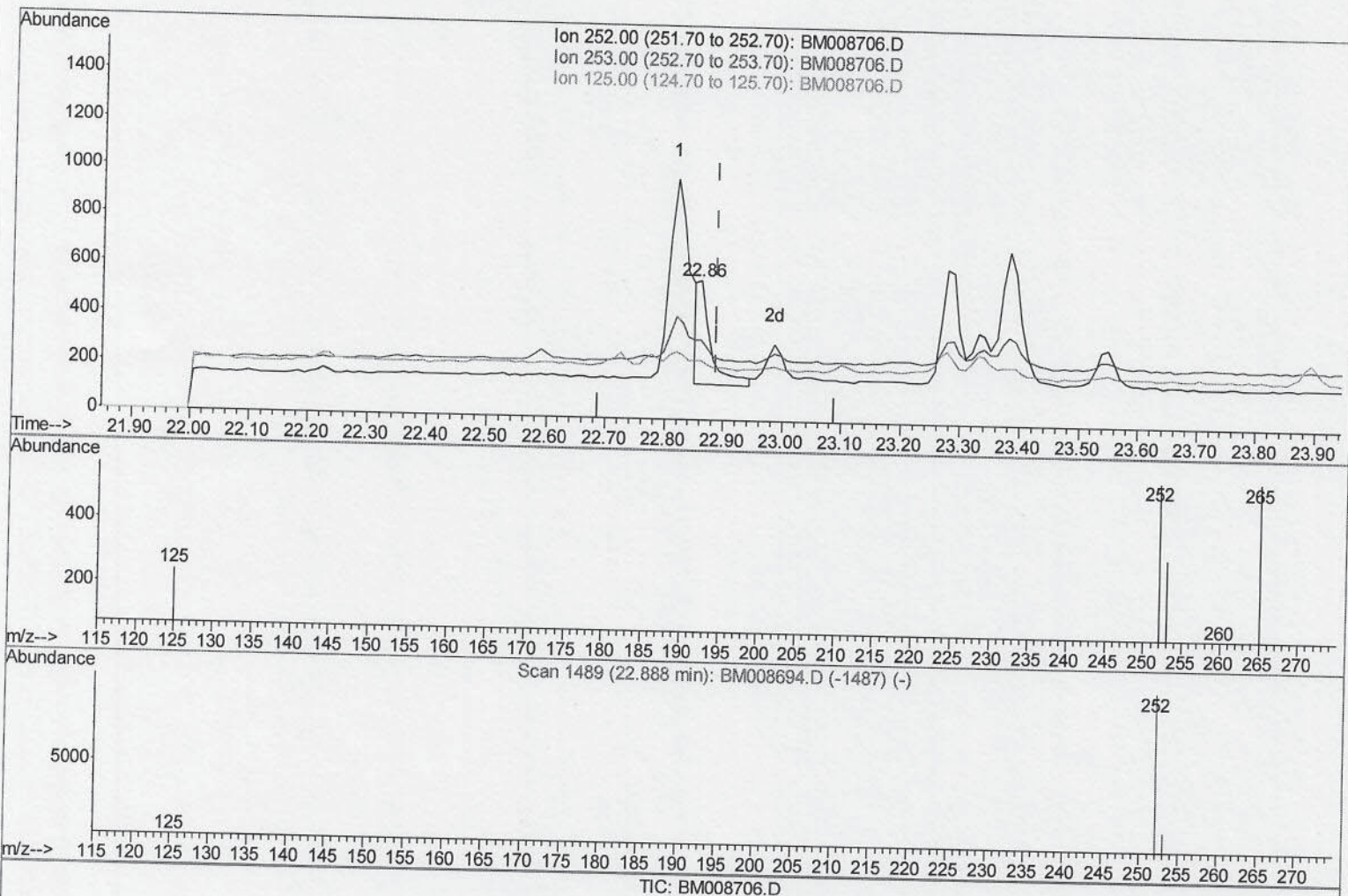
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008706.D
 Acq On : 28 Dec 2016 22:45
 Operator : UM/SJ
 Sample : H6067-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA794

Quant Time: Dec 29 04:50:35 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

22.860min (-0.028) 0.12ng/ul m

response 622

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	57.70#
125.00	17.10	42.83#
0.00	0.00	0.00

S. J.
 12/30/16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008706.D
Acq On : 28 Dec 2016 22:45
Operator : UM/SJ
Sample : H6067-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA794

Quant Time: Dec 29 04:52:33 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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Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.65	152	471m	0.40	ng/ul	-0.17		} S.J. 12/30/16
2) Naphthalene-d8	10.43	136	1425m	0.40	ng/ul	-0.13		
6) Acenaphthene-d10	14.28	164	849	0.40	ng/ul	-0.07		
10) Phenanthrene-d10	17.04	188	1583m	0.40	ng/ul	-0.07		} S.J. 12/30/16
16) Chrysene-d12	21.27	240	1616	0.40	ng/ul	-0.02		
20) Perylene-d12	23.50	264	1323m	0.40	ng/ul	-0.03		
System Monitoring Compounds								
4) 2-Methylnaphthalene-d10	12.06	152	502	0.23	ng/ul	-0.10		
14) Fluoranthene-d10	19.09	212	1269	0.29	ng/ul	-0.04		
Target Compounds								
3) Naphthalene	10.48	128	901m	0.22	ng/ul		Qvalue	} S.J. 12/30/16
5) 2-Methylnaphthalene	12.13	142	554m	0.21	ng/ul			
12) Phenanthrene	17.07	178	1209m	0.25	ng/ul			
15) Fluoranthene	19.11	202	1506	0.25	ng/ul		90	} S.J. 12/30/16
17) Pyrene	19.48	202	1682	0.27	ng/ul#		86	
18) Benzo(a)anthracene	21.24	228	1052	0.20	ng/ul#		72	
19) Chrysene	21.30	228	1007	0.17	ng/ul#		73	} S.J. 12/30/16
21) Benzo(b)fluoranthene	22.82	252	2026m	0.39	ng/ul			
22) Benzo(k)fluoranthene	22.86	252	622m	0.12	ng/ul			
23) Benzo(a)pyrene	23.38	252	1260	0.26	ng/ul#		75	
24) Indeno(1,2,3-cd)pyrene	25.76	276	978	0.17	ng/ul#		89	
26) Benzo(g,h,i)perylene	26.46	276	907	0.18	ng/ul#		72	

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

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