

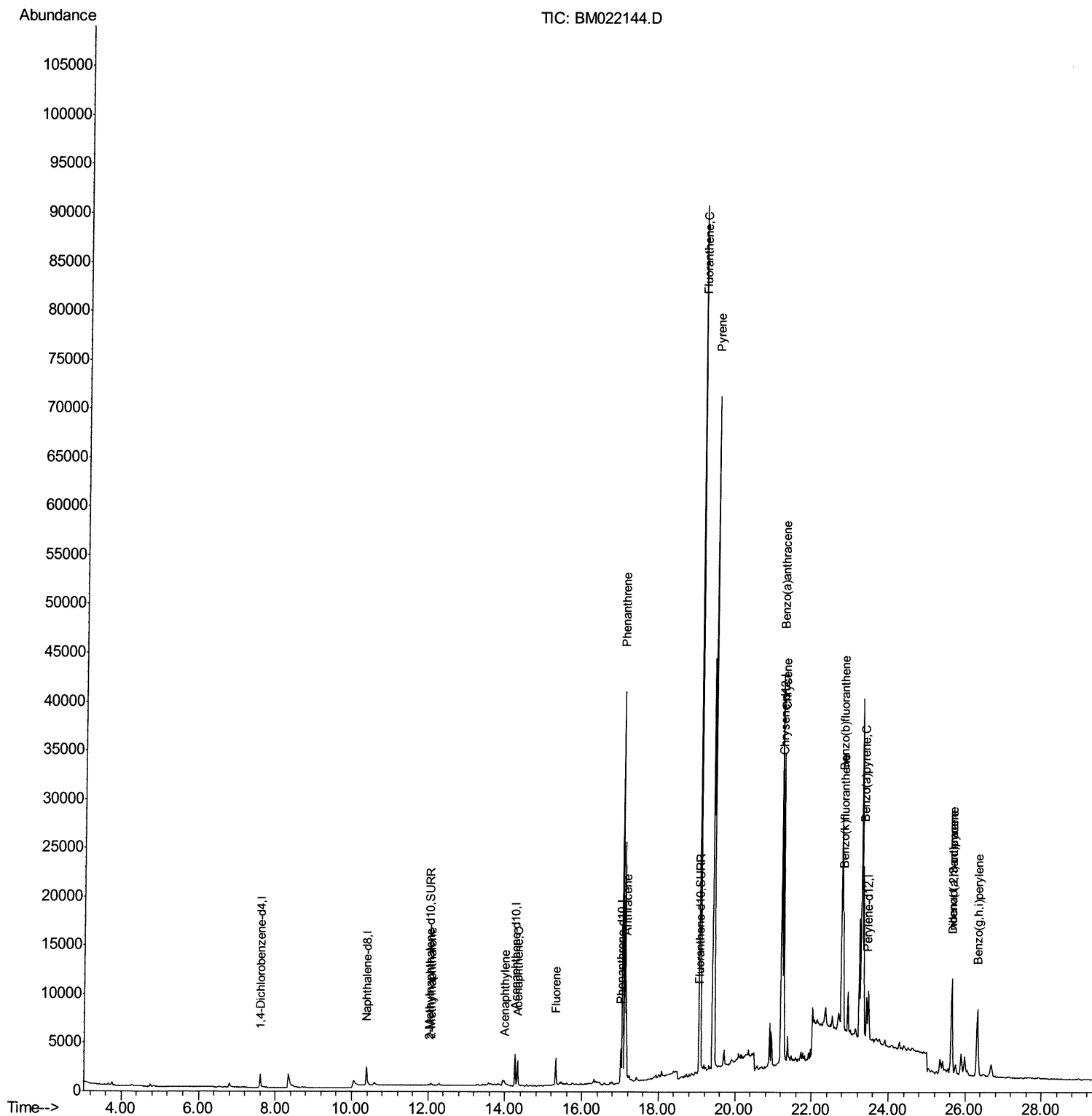
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022144.D
Acq On : 15 Aug 2019 14:43
Operator : HP/JU
Sample : K4183-15DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG1DL

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:51 PM

Quant Time: Aug 15 15:45:00 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



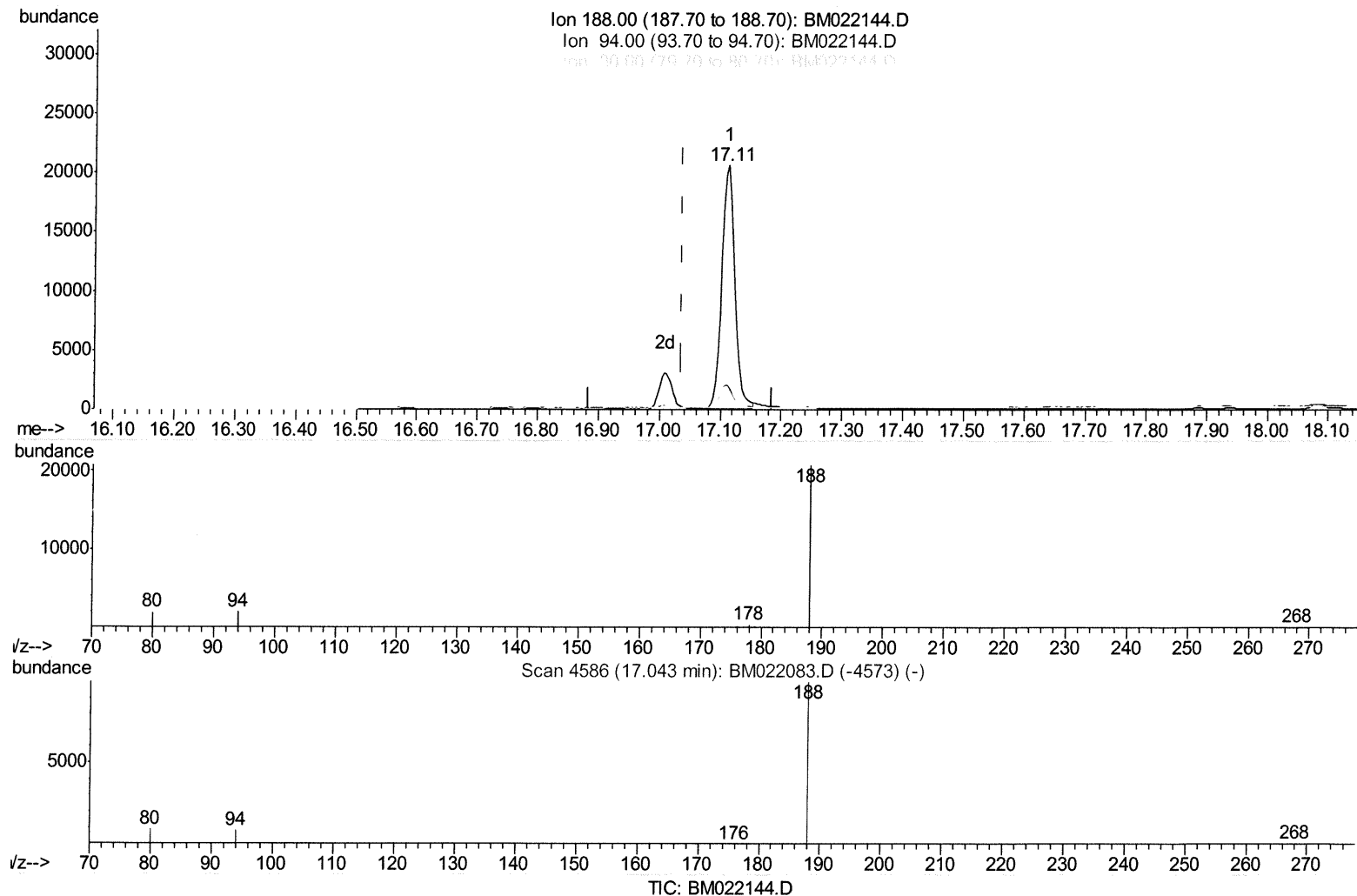
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Quant Time: Aug 15 15:38:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(10) Phenanthrene-d10 (I)

17.112min (+0.076) 0.40ng/ul

response 30458

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.82
80.00	11.40	9.32
0.00	0.00	0.00

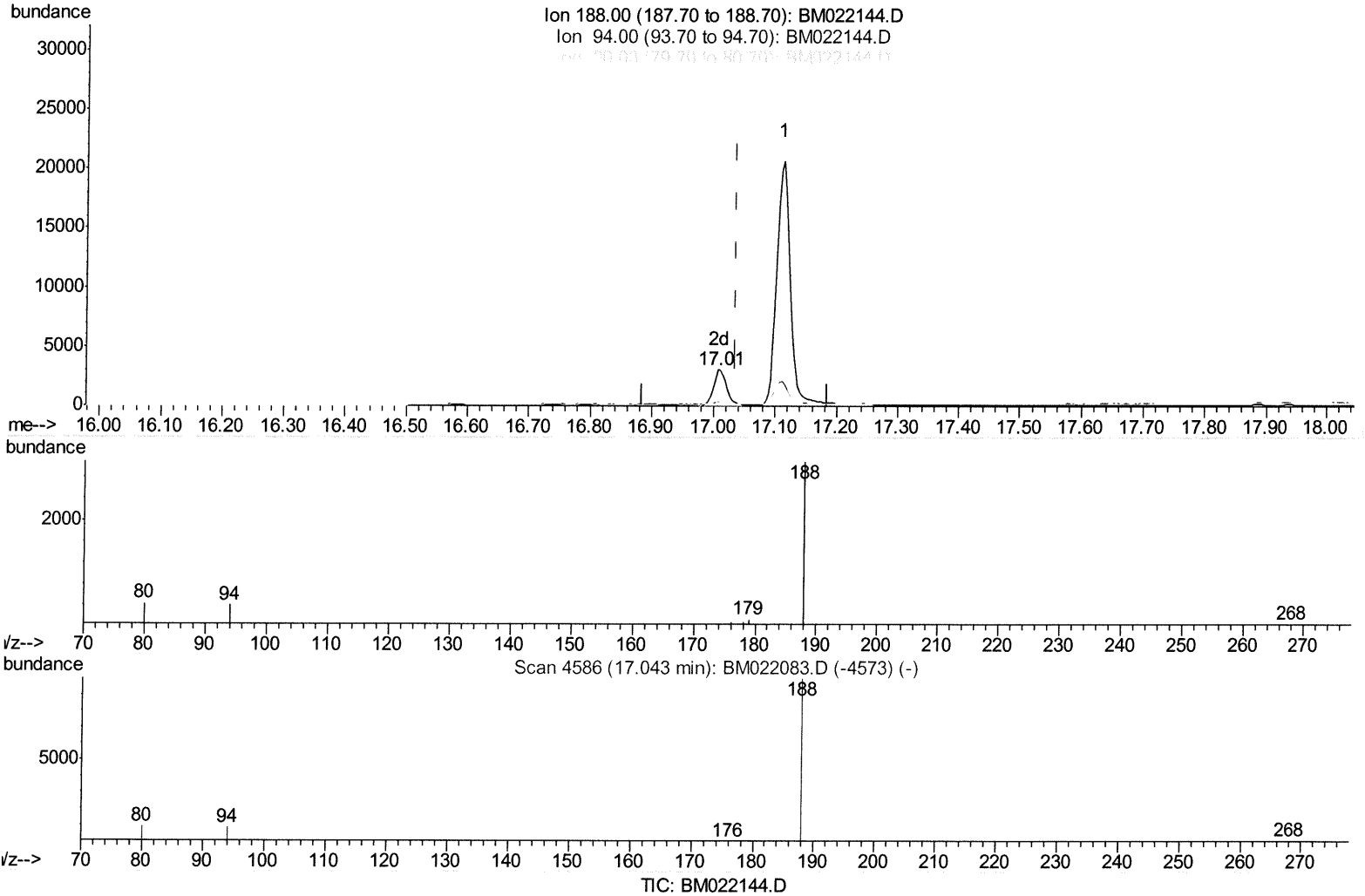
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(10) Phenanthrene-d10 (I)

17.008min (-0.028) 0.40ng/ul m *JU 08/26/19*

response 4687

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	12.99#
80.00	11.40	13.83#
0.00	0.00	0.00

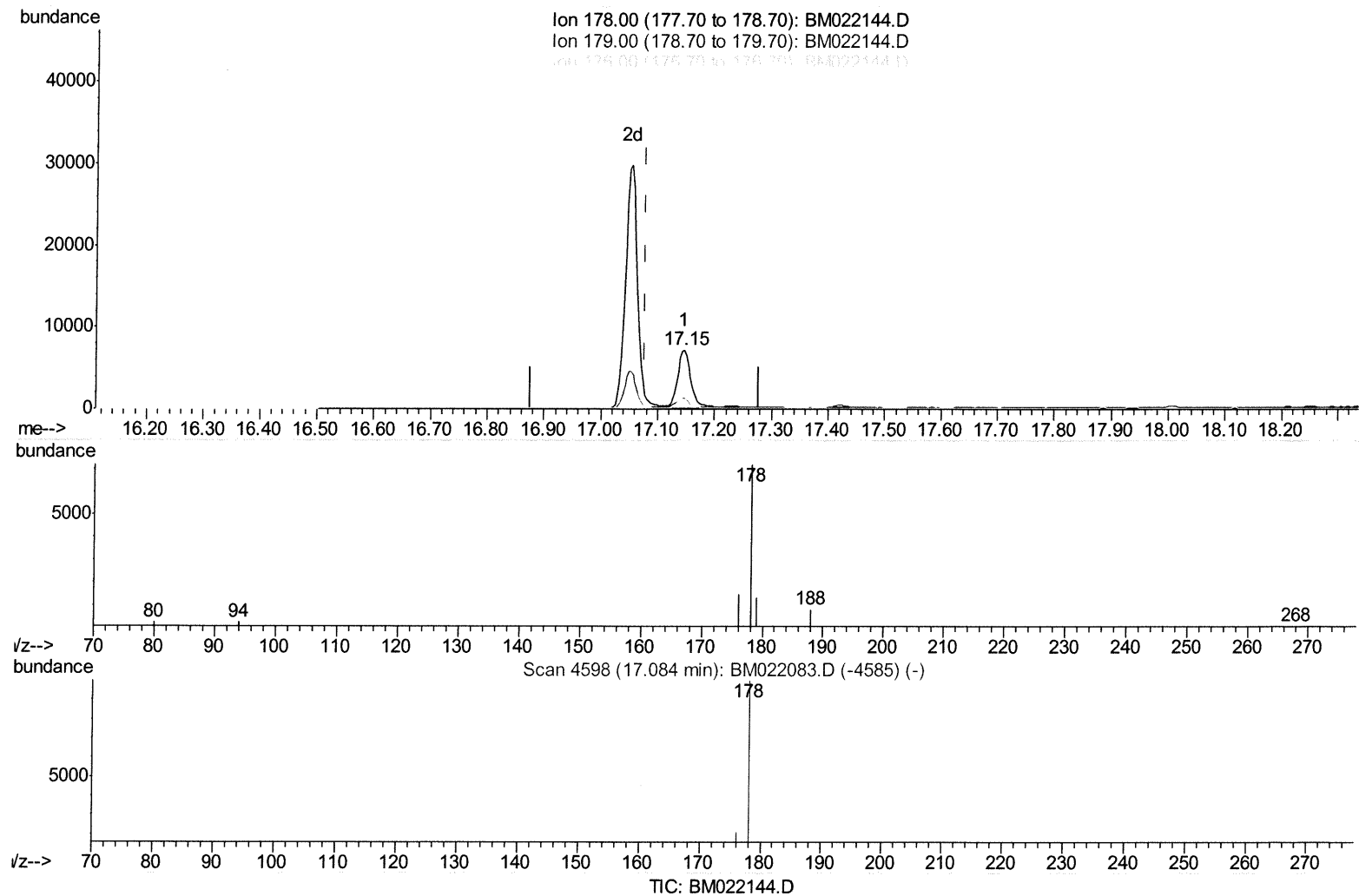
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Manual Integrations
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mohammad
 8/15/2019 5:10:51 PM

Quant Time: Aug 15 15:42:14 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
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(12) Phenanthrene

17.147min (+0.069) 0.89ng/ul

response 12190

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	18.27
176.00	21.00	20.24
0.00	0.00	0.00

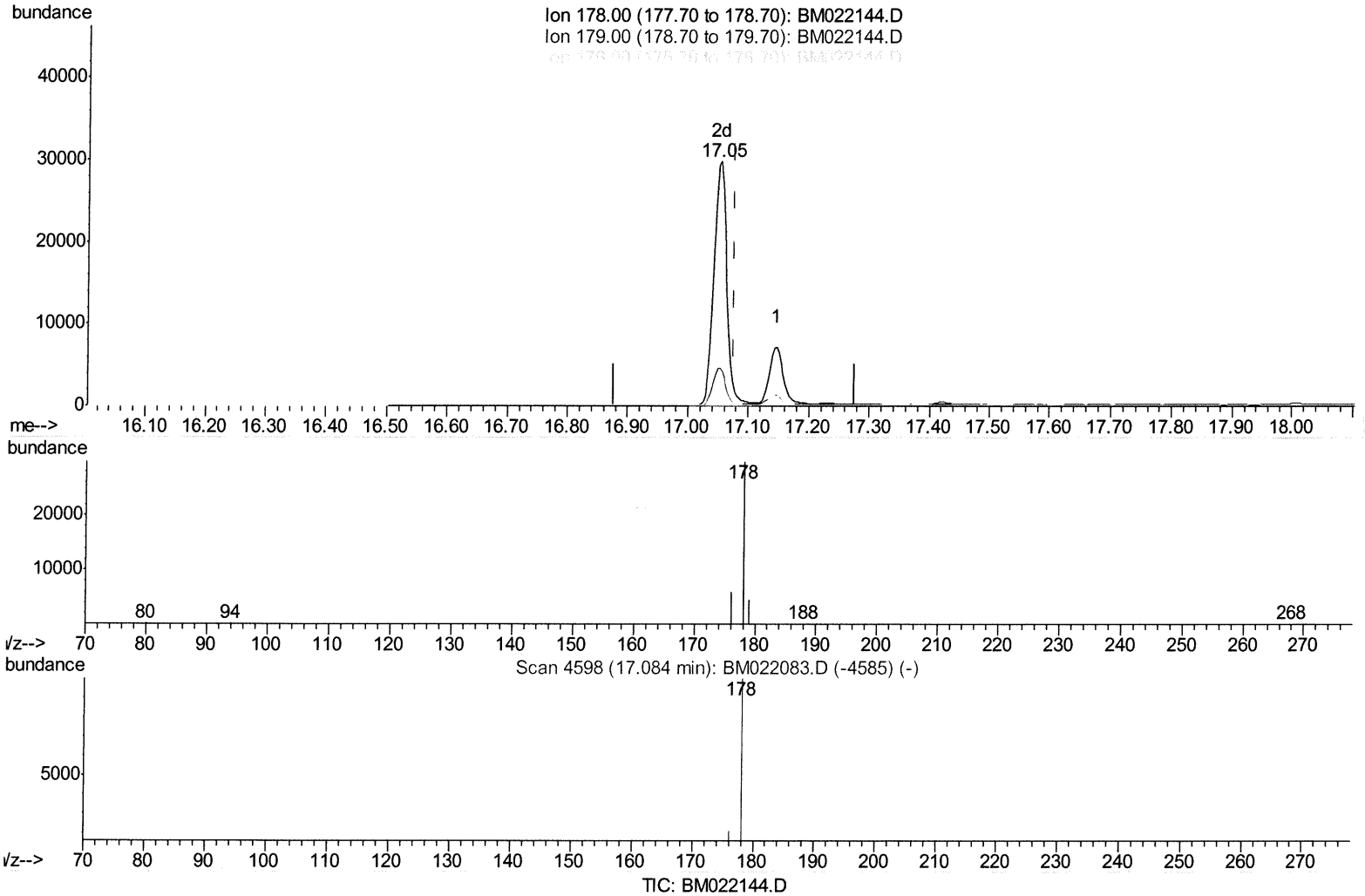
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022144.D
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(12) Phenanthrene

17.053min (-0.024) 3.27ng/ul m

JU
 08/26/19

response 44545

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.57
176.00	21.00	19.71
0.00	0.00	0.00

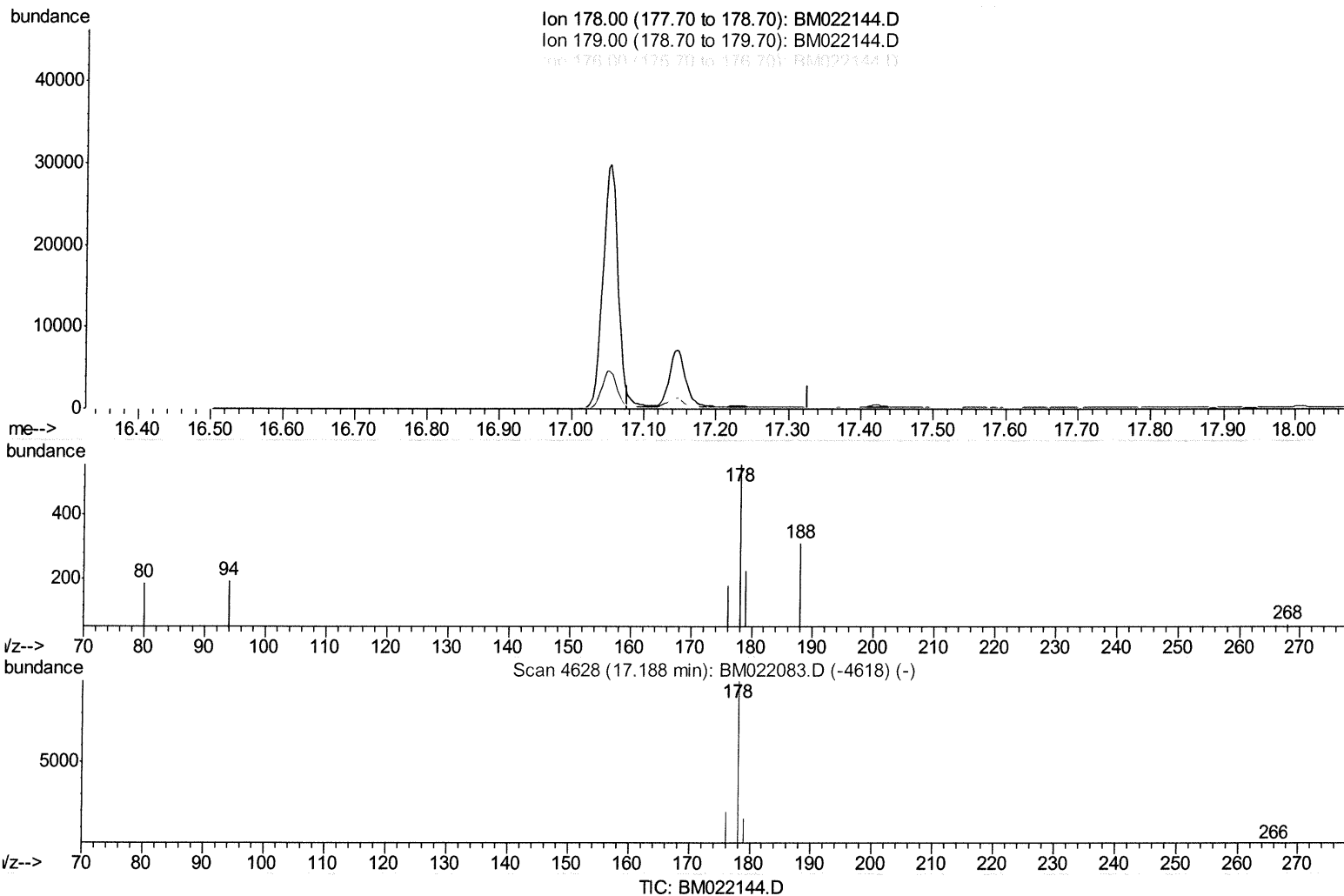
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
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(13) Anthracene

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

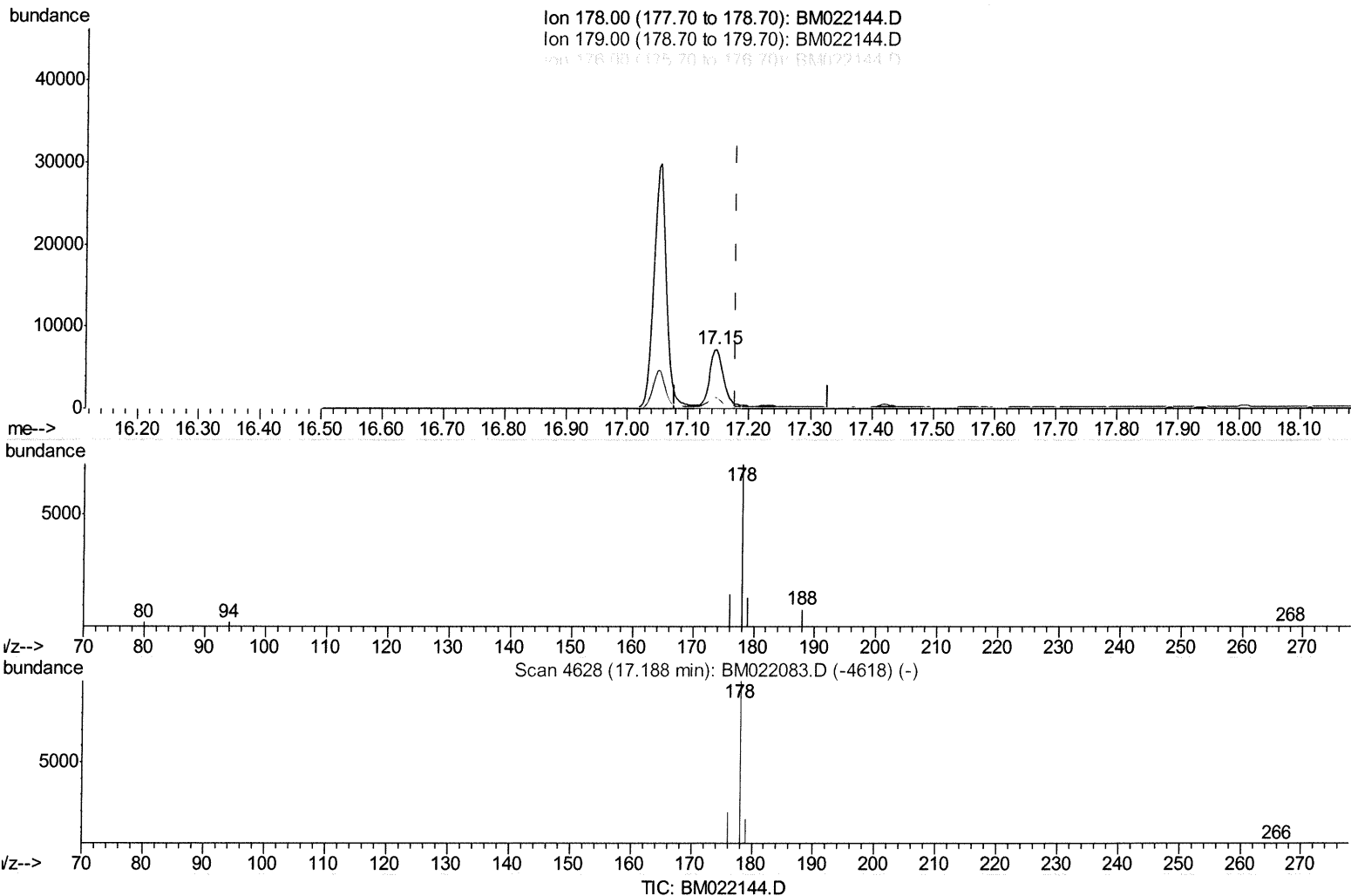
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022144.D
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 Misc :
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(13) Anthracene

17.147min (-0.031) 1.03ng/ul m 08/20/19

response 11974

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	18.27
176.00	20.80	20.24
0.00	0.00	0.00

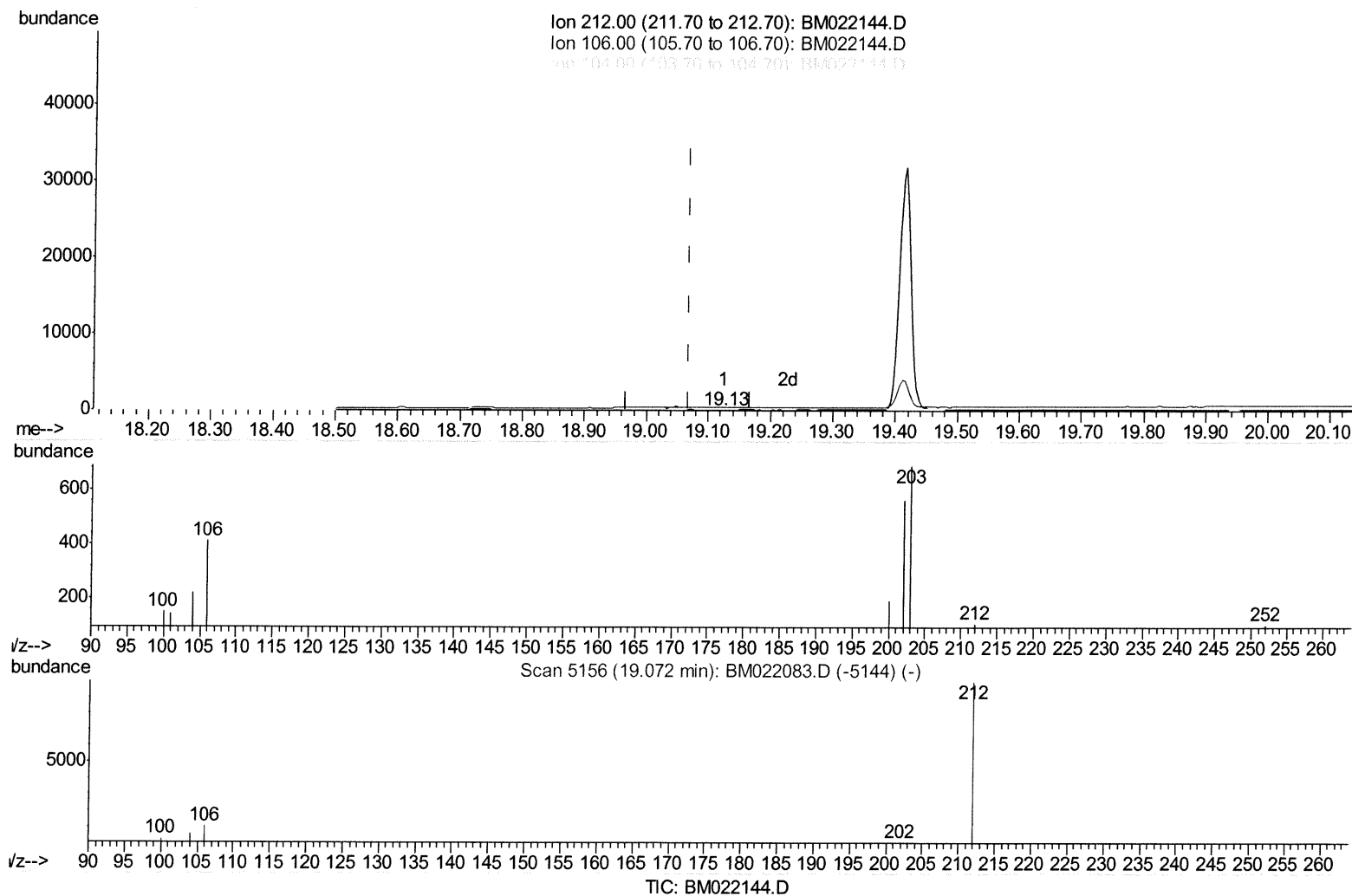
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022144.D
 Acq On : 15 Aug 2019 14:43
 Operator : HP/JU
 Sample : K4183-15DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.125min (+0.057) 0.00ng/ul

response 13

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	730.77#
104.00	6.00	315.38#
0.00	0.00	0.00

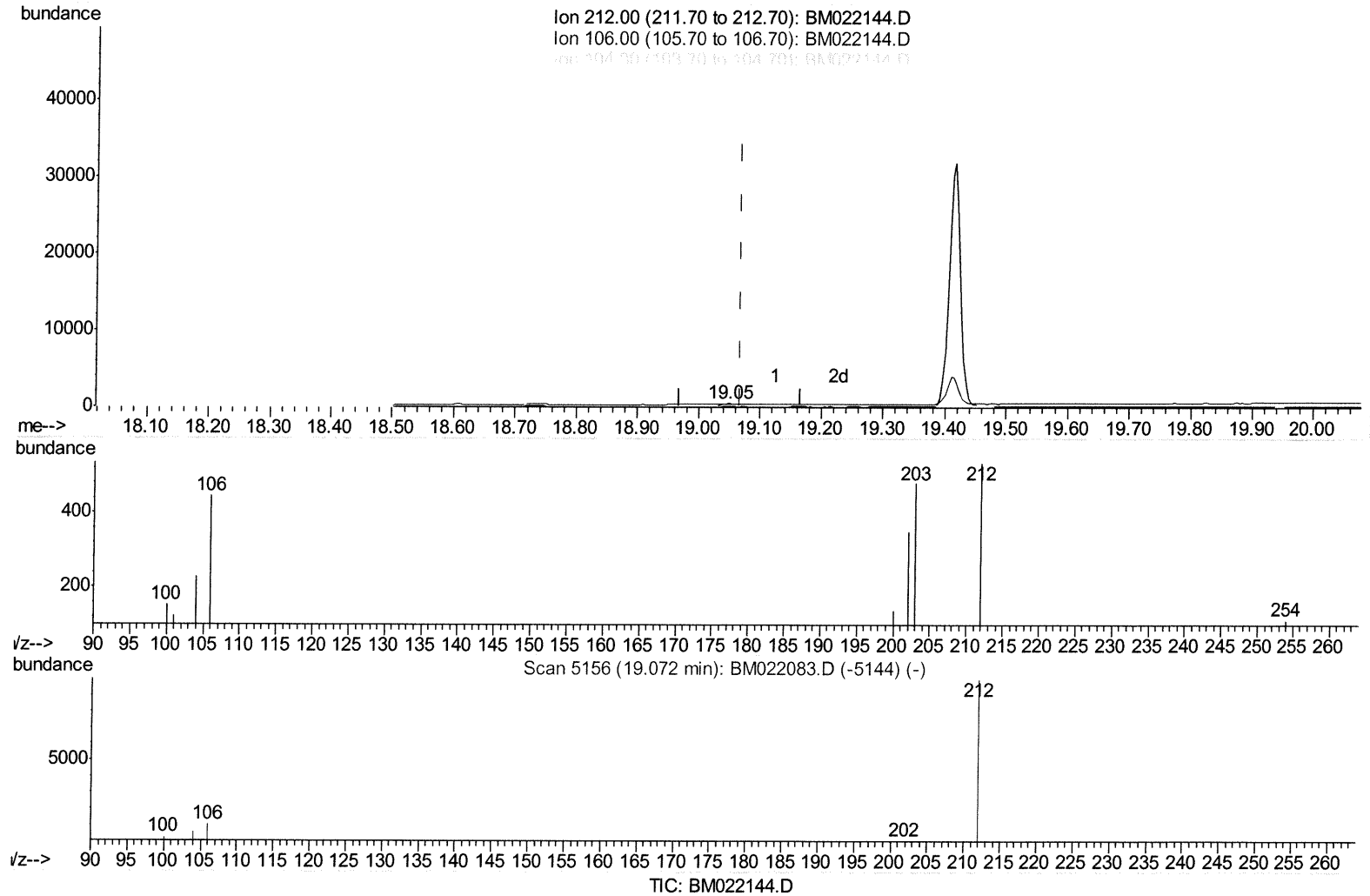
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022144.D
 Acq On : 15 Aug 2019 14:43
 Operator : HP/JU
 Sample : K4183-15DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.049min (-0.019) 0.04ng/ul m *JU 08/26/19*

response 577

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	16.46#
104.00	6.00	7.11
0.00	0.00	0.00

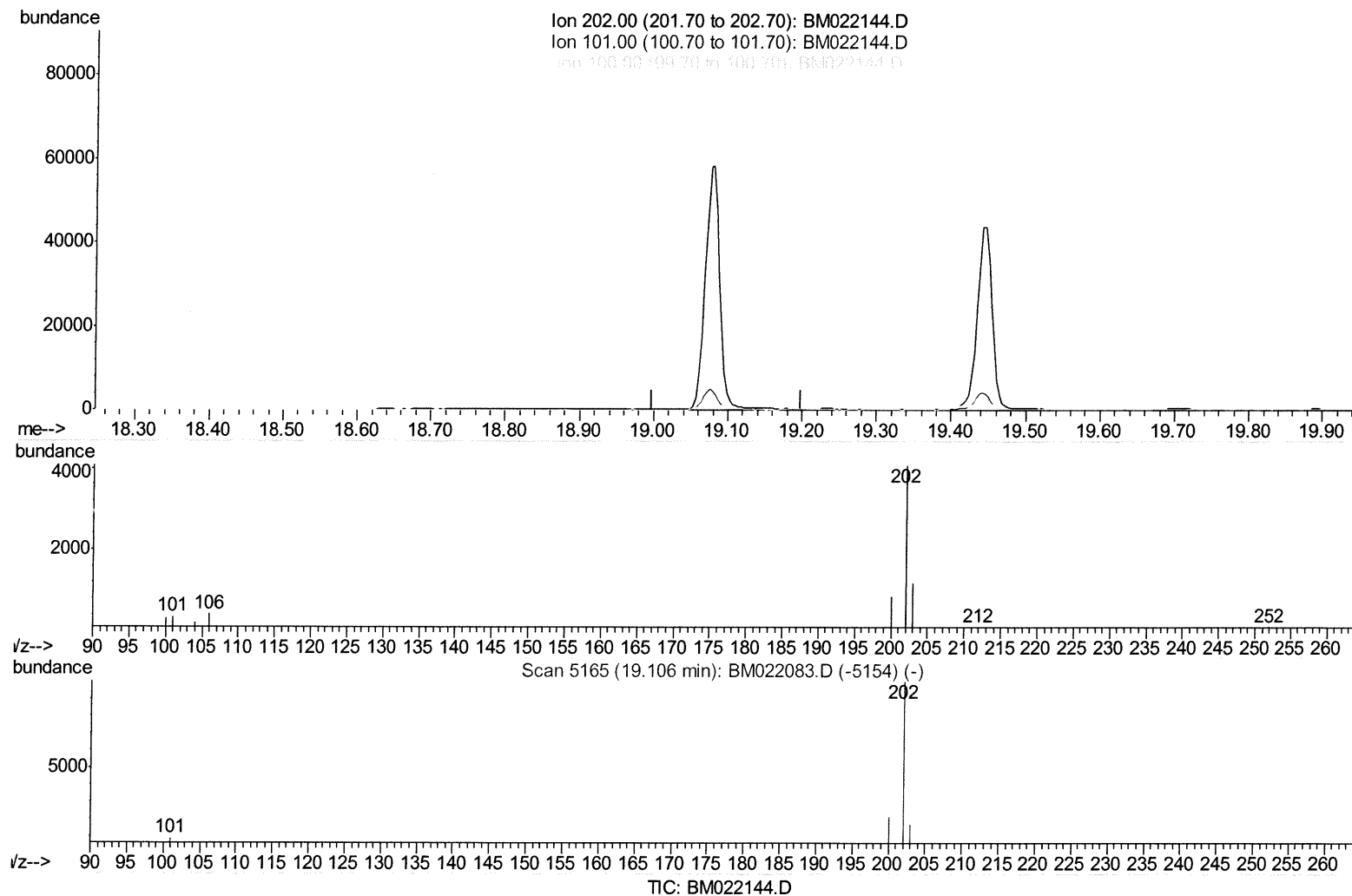
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 Data File : BM022144.D
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 Sample : K4183-15DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

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Manual Integrations
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(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

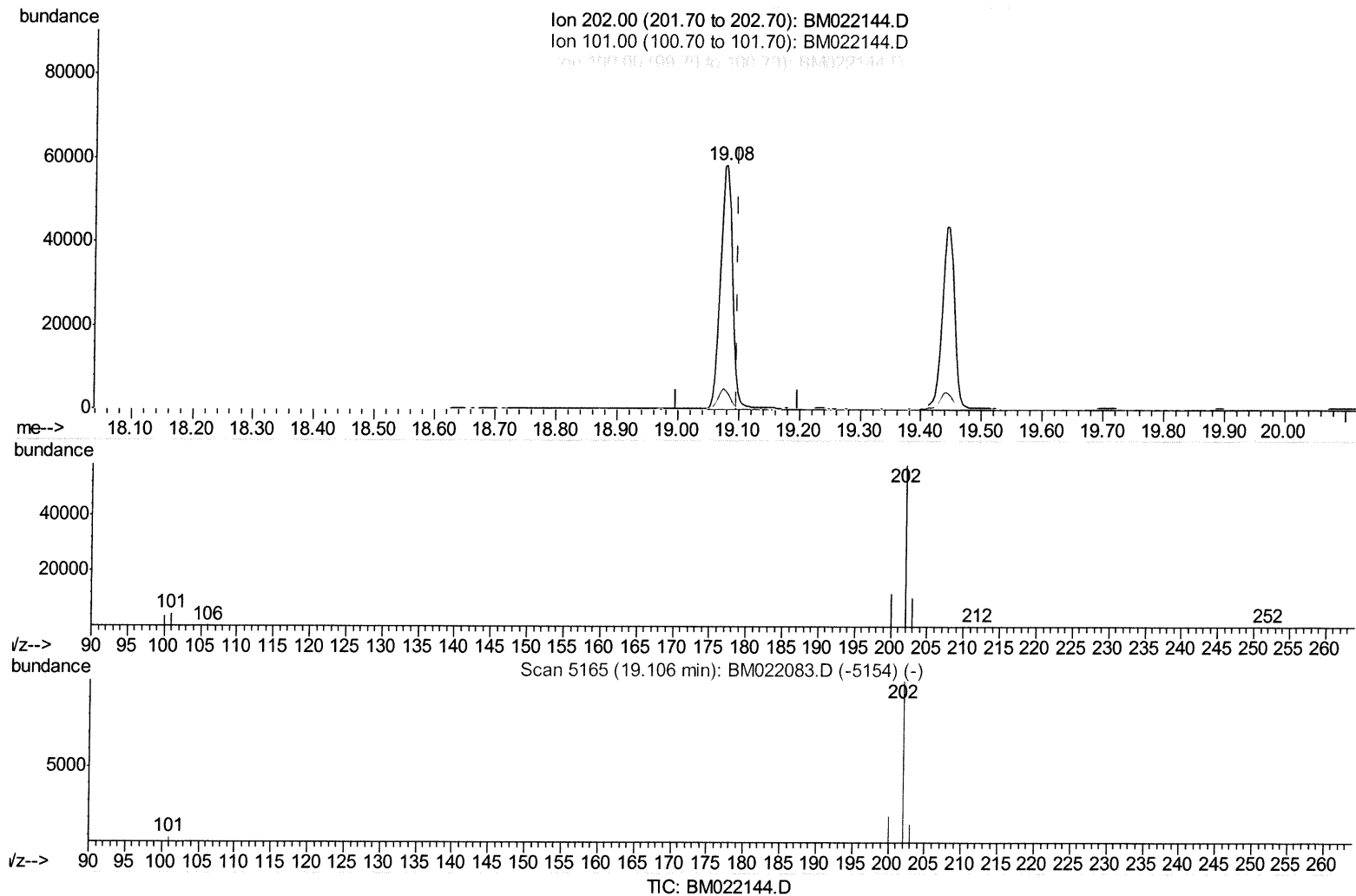
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022144.D
 Acq On : 15 Aug 2019 14:43
 Operator : HP/JU
 Sample : K4183-15DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
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Manual Integrations
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(15) Fluoranthene (C)

19.079min (-0.019) 4.26ng/ul m *JU 08/20/19*

response 77843

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	7.90
100.00	8.10	6.17
0.00	0.00	0.00

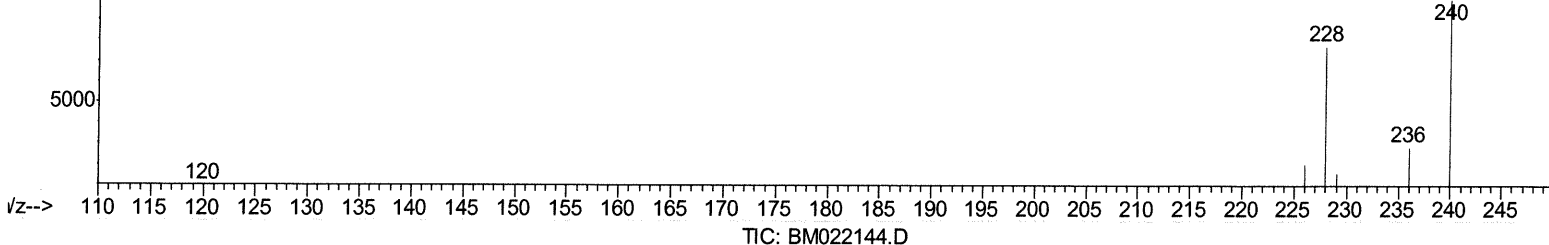
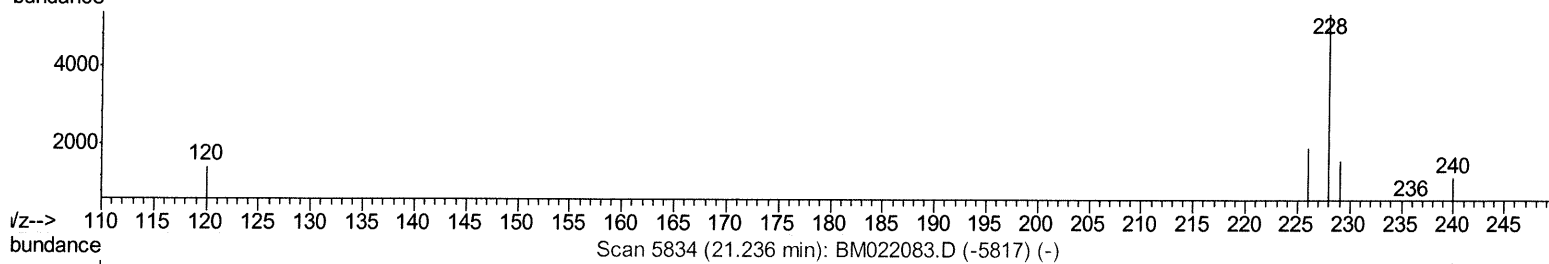
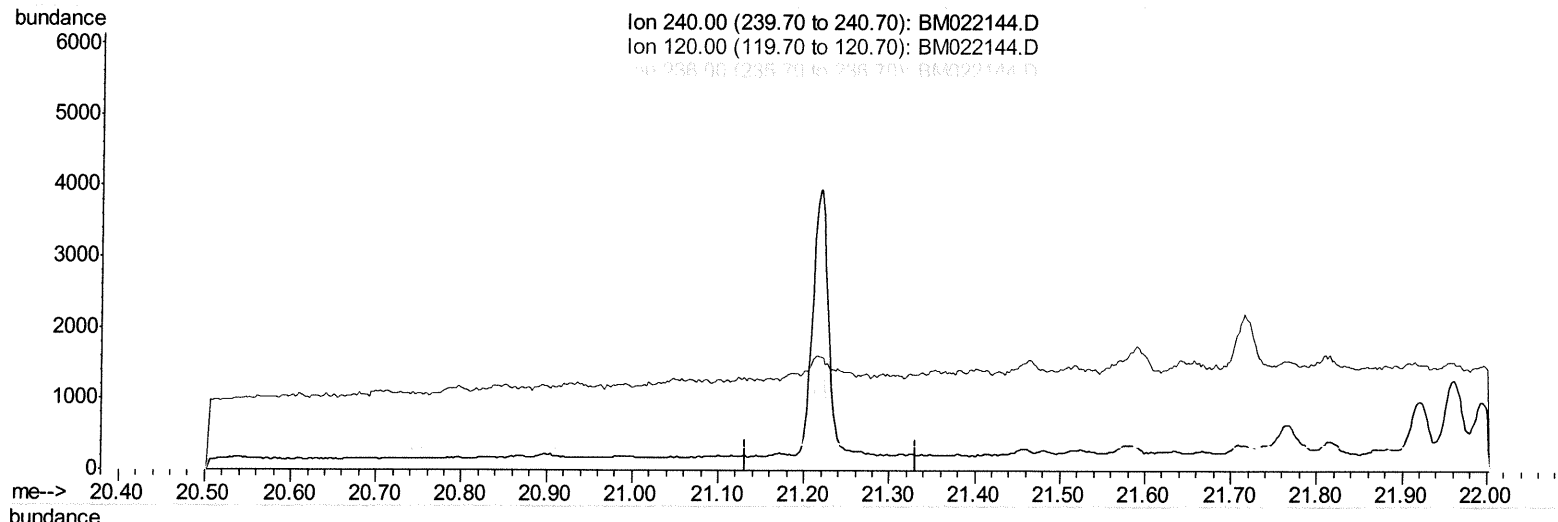
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 Data File : BM022144.D
 Acq On : 15 Aug 2019 14:43
 Operator : HP/JU
 Sample : K4183-15DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG1DL

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:10:51 PM

Quant Time: Aug 15 15:43:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(16) Chrysene-d12 (I)

21.231min (-21.231) 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

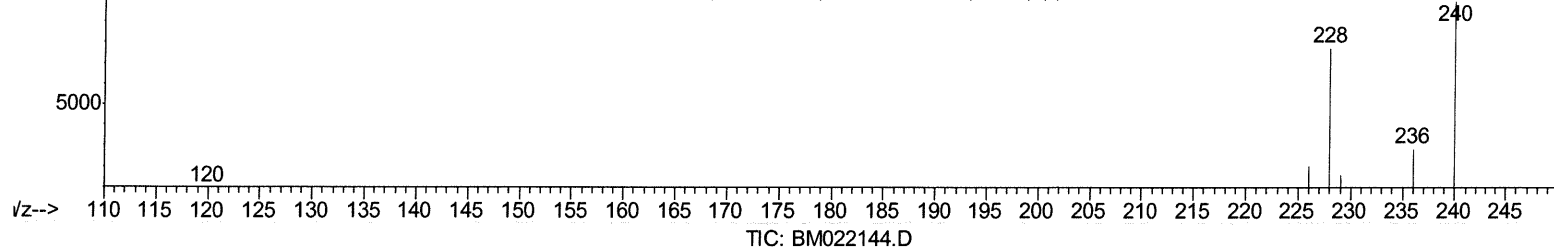
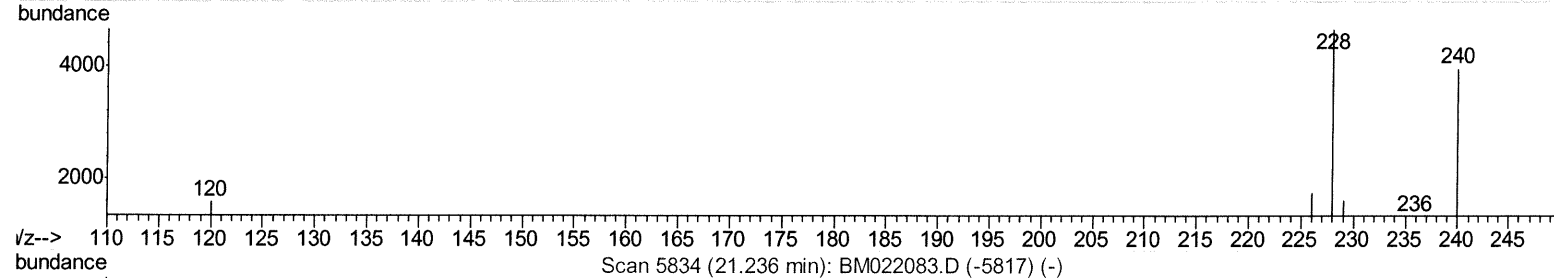
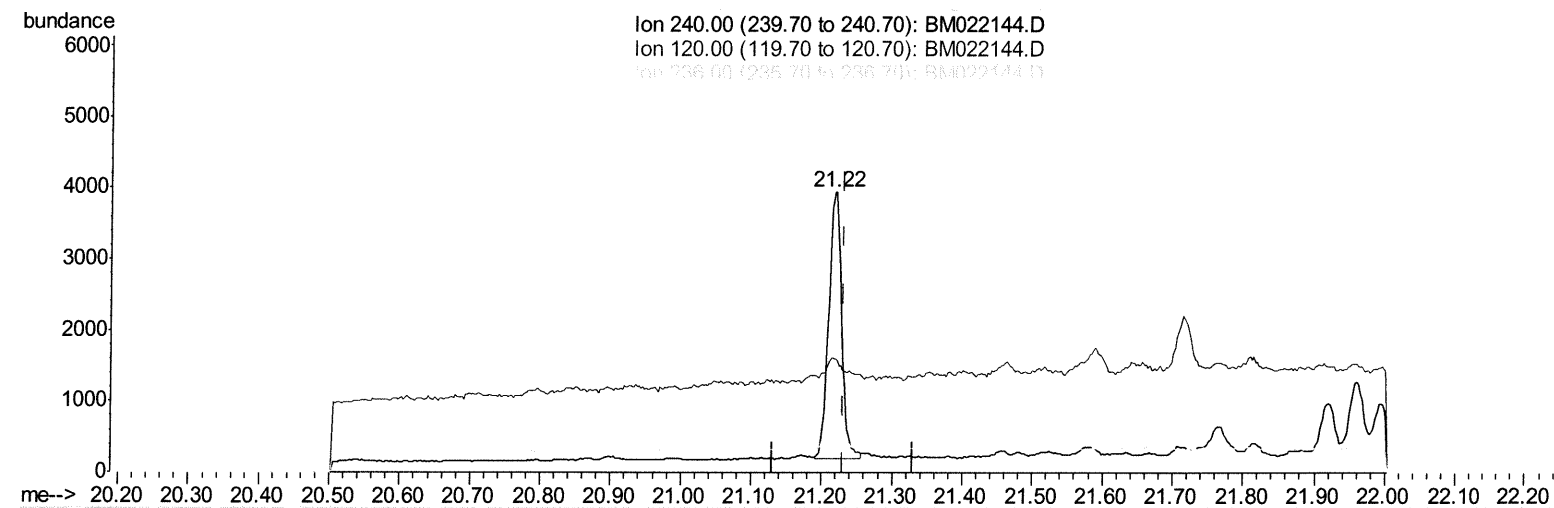
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022144.D
 Acq On : 15 Aug 2019 14:43
 Operator : HP/JU
 Sample : K4183-15DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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(16) Chrysene-d12 (I)

21.219min (-0.012) 0.40ng/ul m

JU
 08/20/19

response 4781

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	40.36#
236.00	32.30	34.31
0.00	0.00	0.00

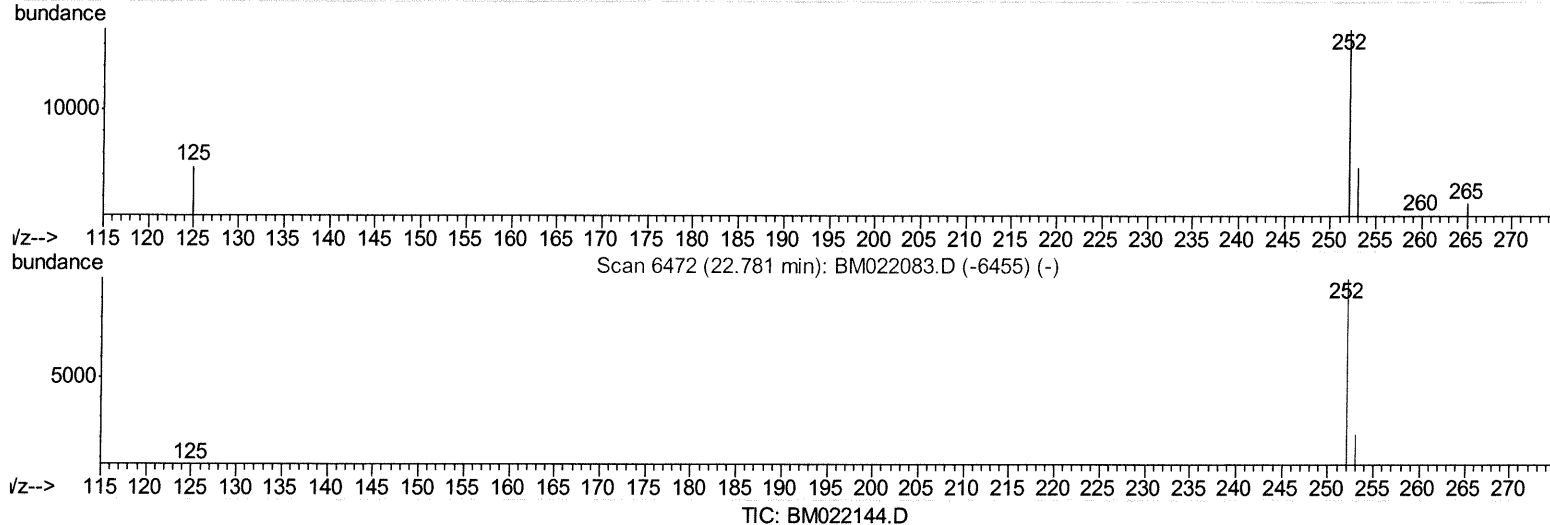
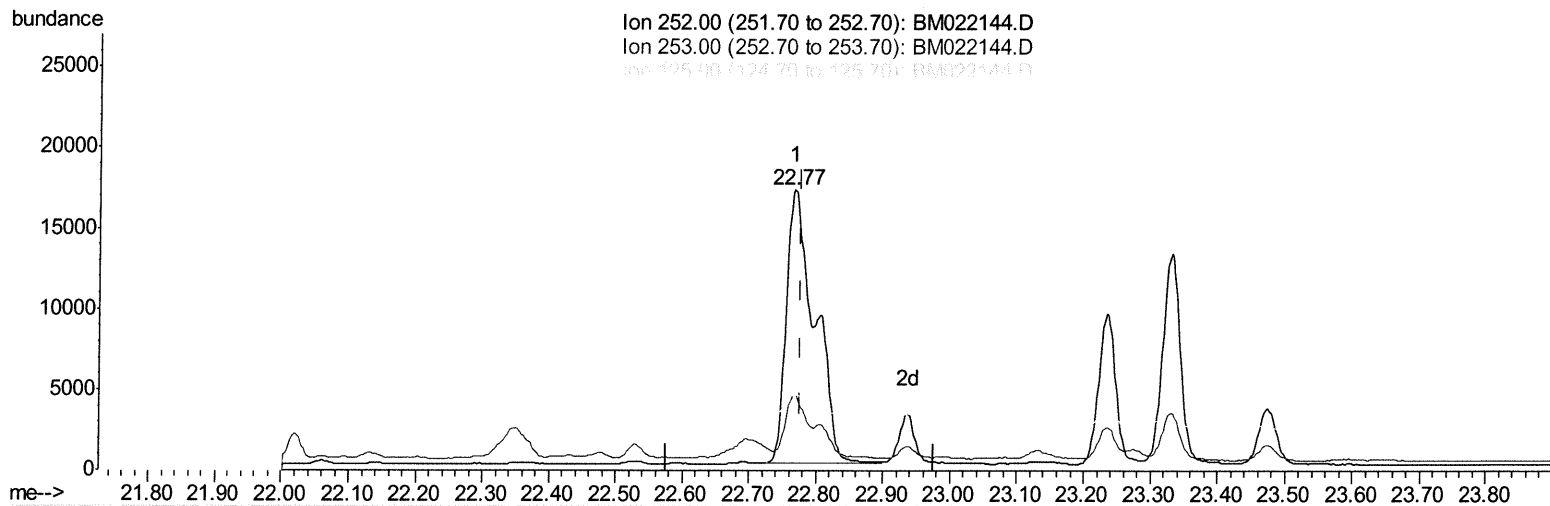
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Manual Integrations
 APPROVED

mohammad
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Quant Time: Aug 15 15:44:05 2019
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(21) Benzo(b)fluoranthene

22.766min (-0.010) 2.84ng/ul

response 50206

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.77
125.00	15.50	26.84
0.00	0.00	0.00

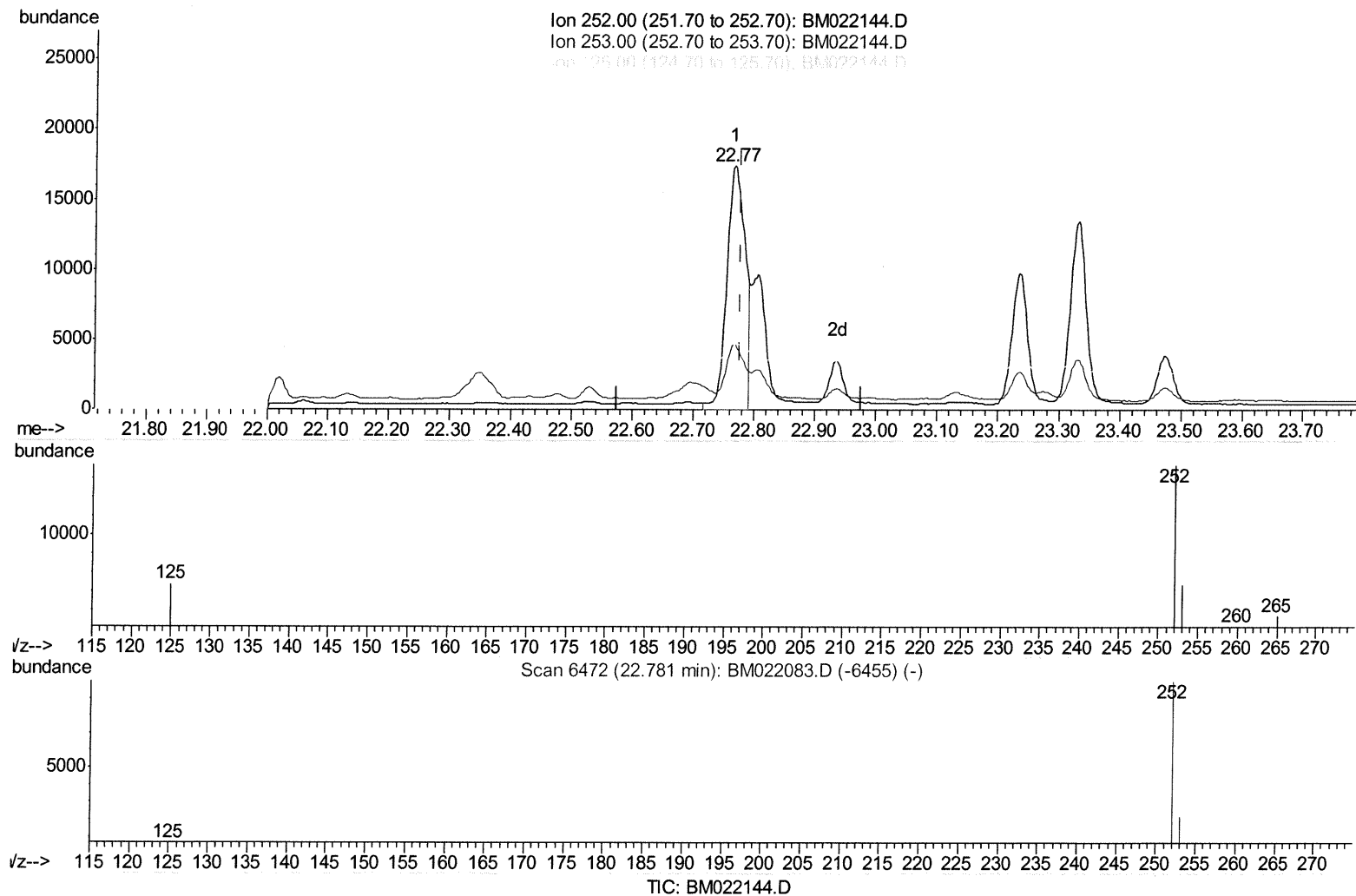
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 Misc :
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mohammad
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(21) Benzo(b)fluoranthene

22.766min (-0.010) 2.05ng/ul m *JU 08/26/19*

response 36312

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.77
125.00	15.50	26.84
0.00	0.00	0.00

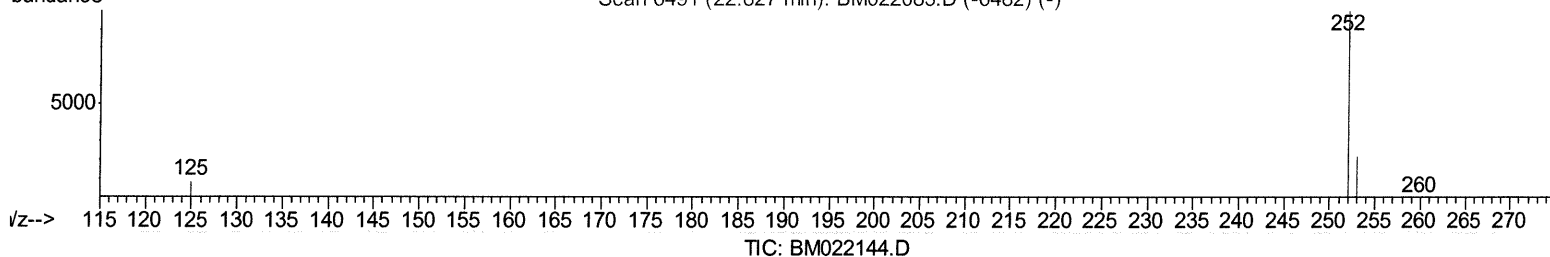
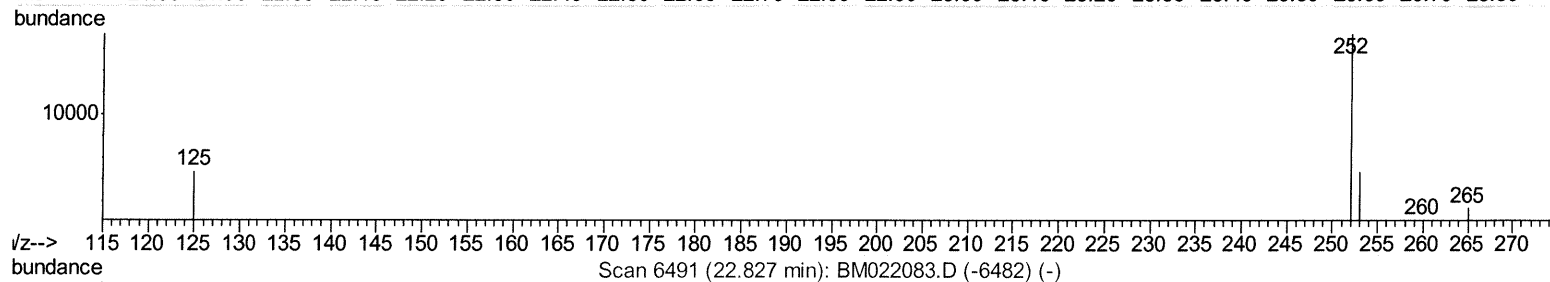
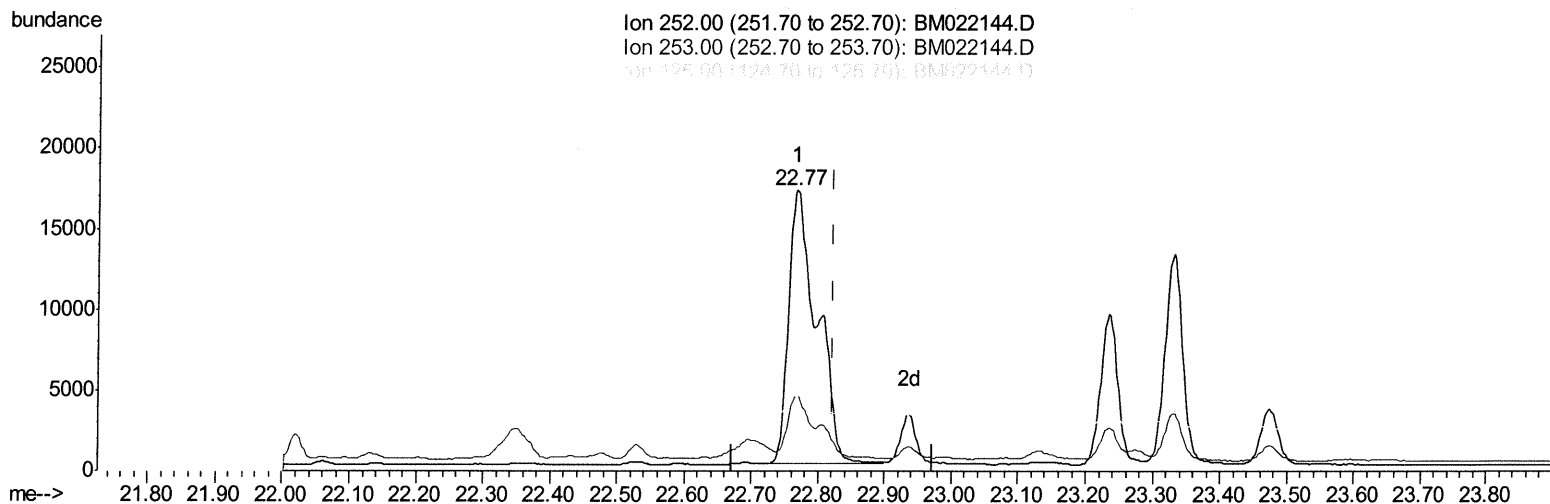
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Instrument :
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(22) Benzo(k)fluoranthene

22.766min (-0.056) 2.51ng/ul

response 50206

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.77#
125.00	15.20	26.84#
0.00	0.00	0.00

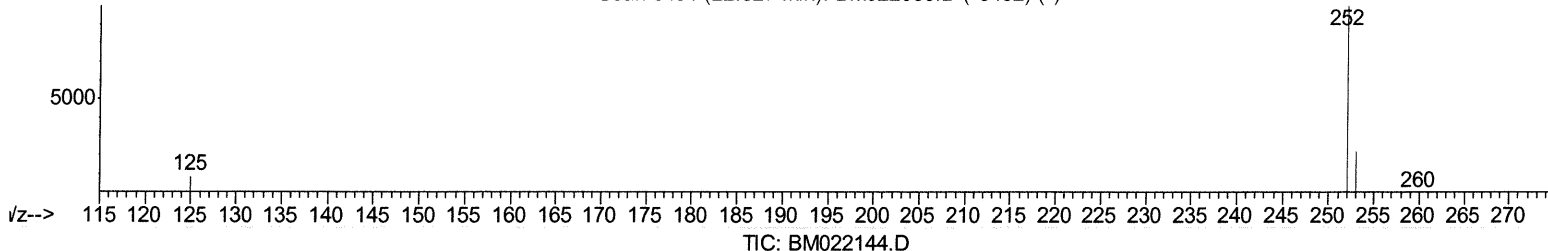
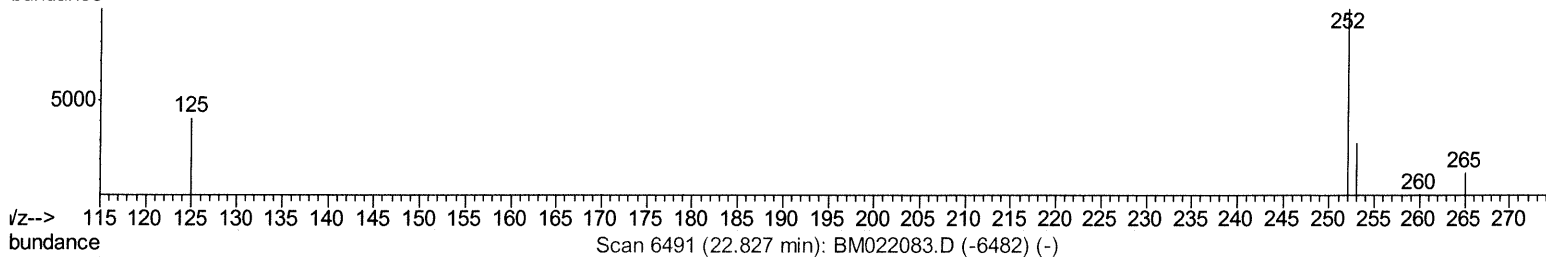
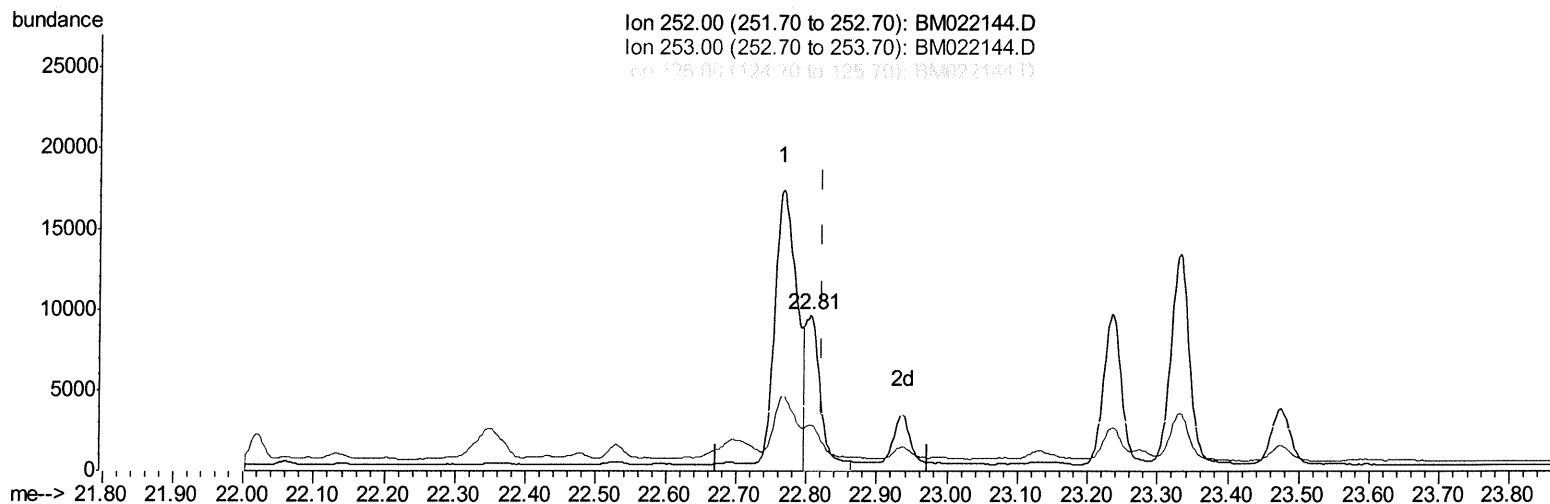
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(22) Benzo(k)fluoranthene

22.805min (-0.017) 0.75ng/ul m *JU* 08/16/19

response 15088

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	29.52
125.00	15.20	42.45#
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	865	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	3478	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.25	164	1903	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4687m →	0.40	ng/ul	-0.03 JU
16) Chrysene-d12	21.22	240	4781m →	0.40	ng/ul	-0.01 JU 08/26/19
20) Perylene-d12	23.43	264	5251	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	206	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	577m →	0.04	ng/ul	-0.02 JU 08/26/19
Target Compounds						
					Qvalue	
5) 2-Methylnaphthalene	12.08	142	204	0.031	ng/ul	94
7) Acenaphthylene	13.98	152	504	0.057	ng/ul#	66
8) Acenaphthene	14.32	153	1656	0.228	ng/ul	95
9) Fluorene	15.31	166	2098	0.260	ng/ul	100
12) Phenanthrene	17.05	178	44545m →	3.266	ng/ul	94
13) Anthracene	17.15	178	11974m →	1.029	ng/ul	94
15) Fluoranthene	19.08	202	77843m →	4.261	ng/ul	94
17) Pyrene	19.45	202	60521	3.080	ng/ul	97
18) Benzo(a)anthracene	21.20	228	33074	1.934	ng/ul	99
19) Chrysene	21.25	228	31321	1.424	ng/ul	97
21) Benzo(b)fluoranthene	22.77	252	36312m →	2.051	ng/ul	94
22) Benzo(k)fluoranthene	22.81	252	15088m →	0.753	ng/ul	94
23) Benzo(a)pyrene	23.33	252	23930	1.329	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.64	276	15614	0.726	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	4039	0.232	ng/ul#	58
26) Benzo(g,h,i)perylene	26.31	276	14537	0.751	ng/ul	96

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