

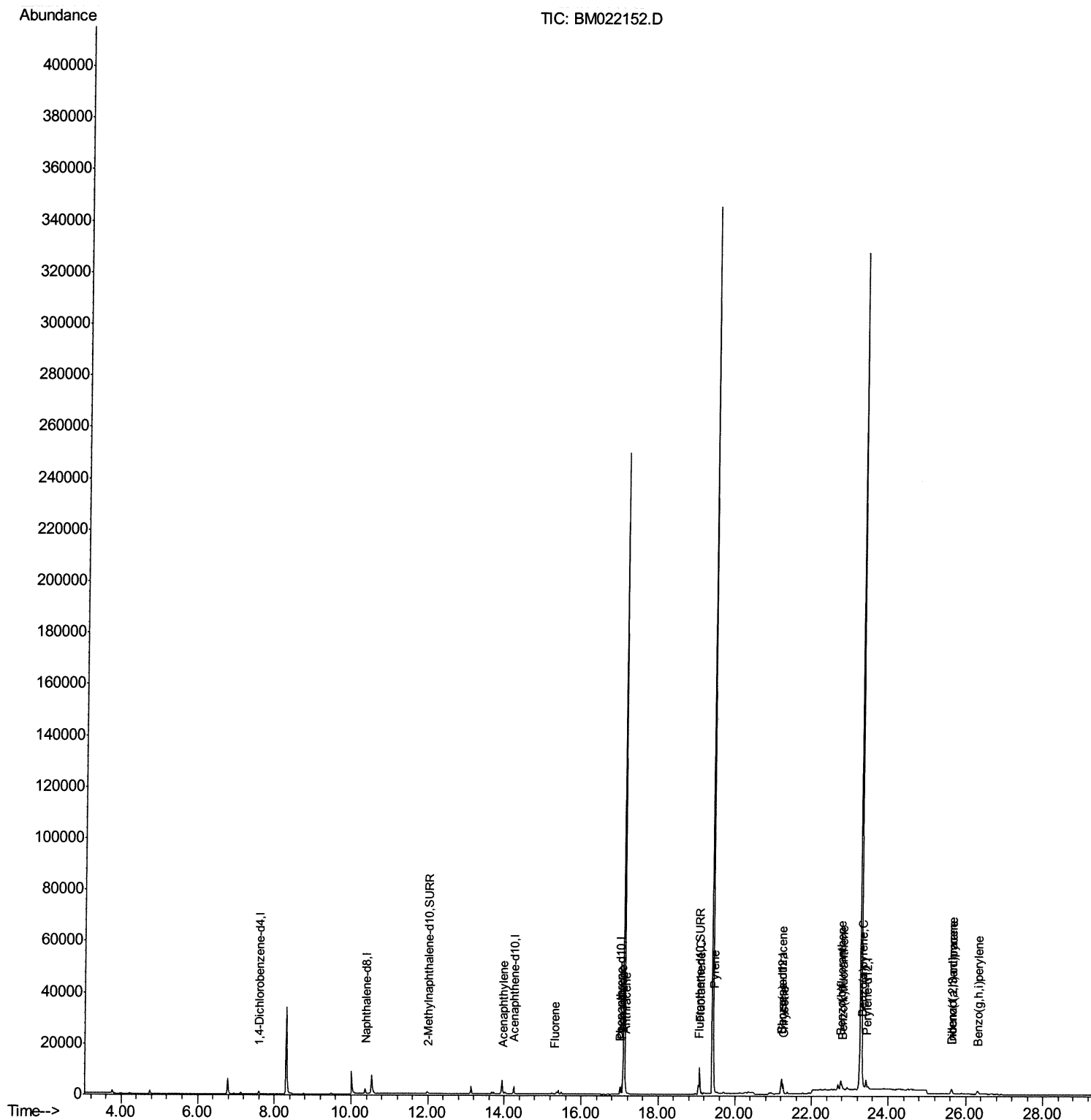
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022152.D
Acq On : 15 Aug 2019 20:23
Operator : HP/JU
Sample : K4242-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ1

Manual Integrations
APPROVED

mohammad
8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:49:14 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



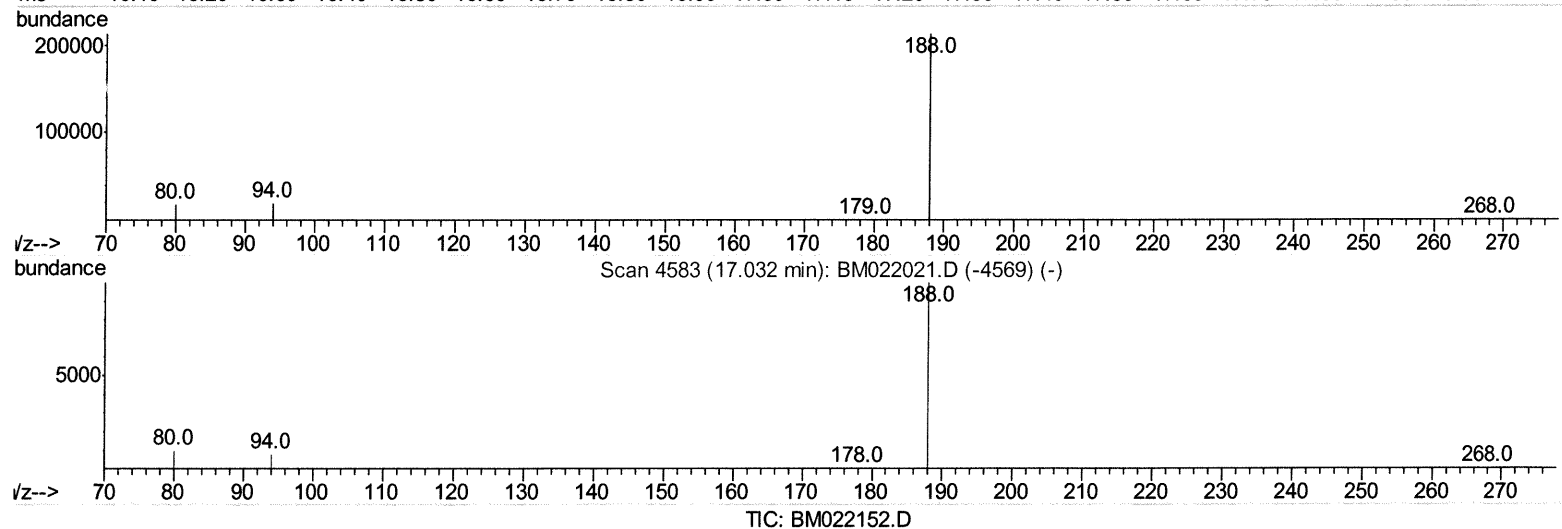
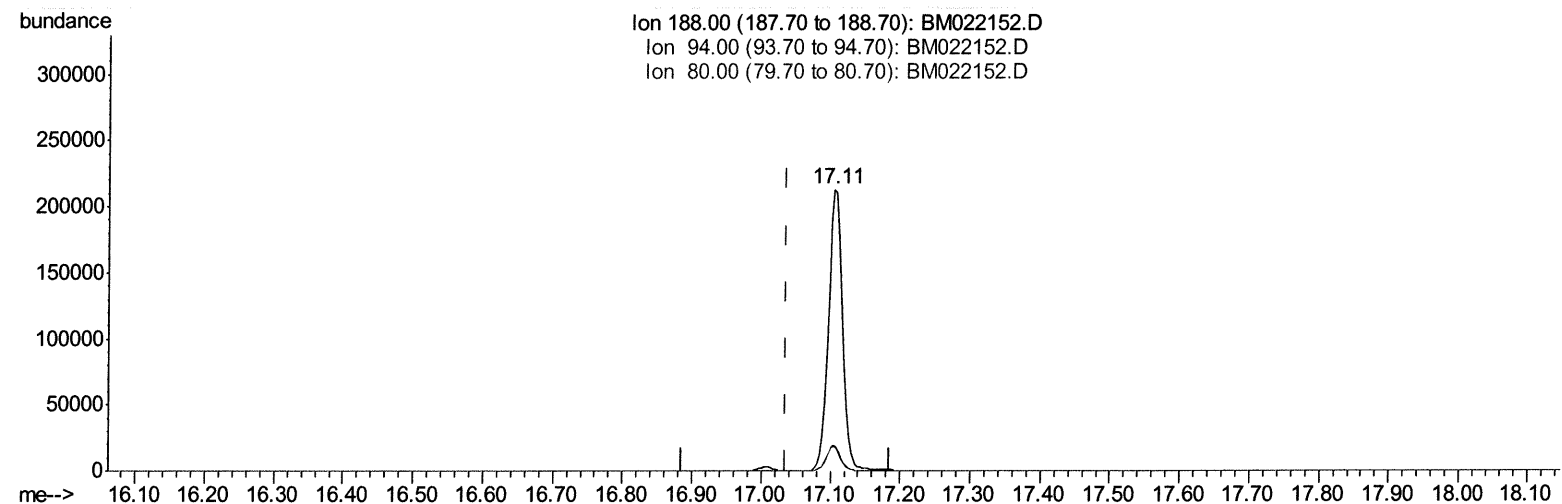
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
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Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:46:42 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
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(10) Phenanthrene-d10 (I)

17.105min (+0.069) 0.40ng/ul

response 300449

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.94
80.00	11.40	8.52#
0.00	0.00	0.00

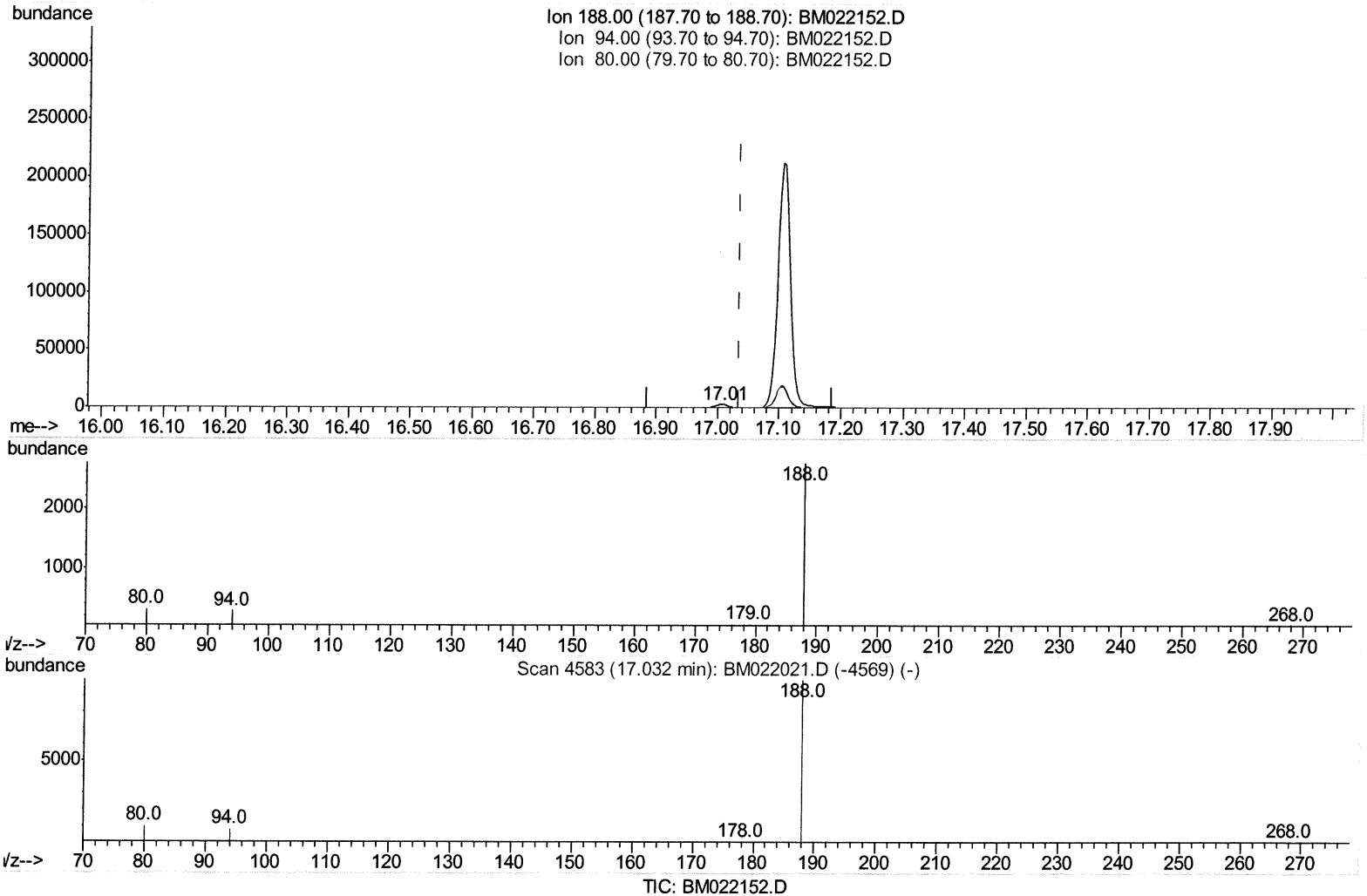
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
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 QLast Update : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.008min (-0.028) 0.40ng/ul m

JU
 08/20/19

response 4011

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.46
80.00	11.40	11.55
0.00	0.00	0.00

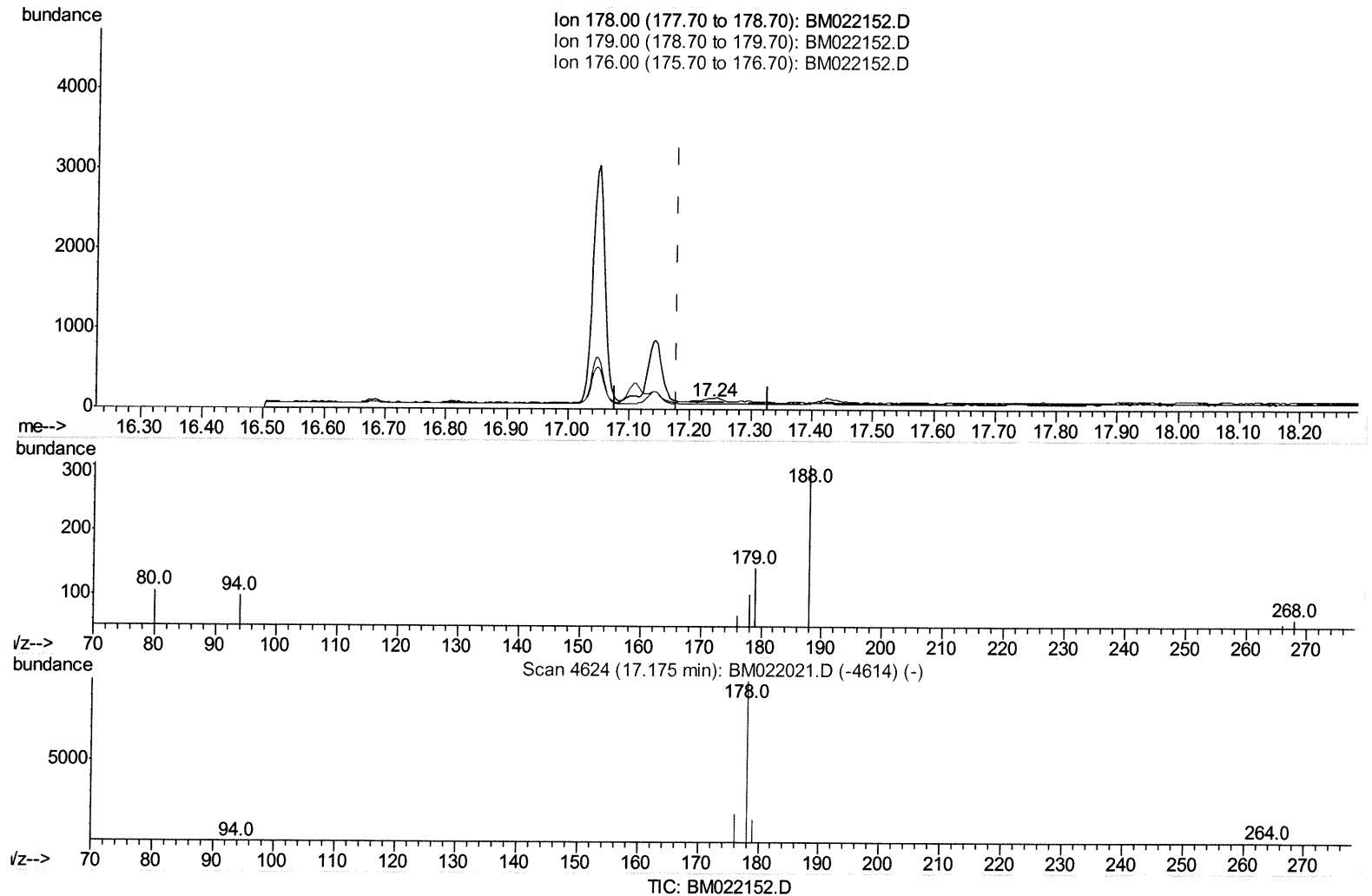
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
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 Sample : K4242-13
 Misc :
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Instrument :
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 ClientSampleId :
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Manual Integrations
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mohammad
 8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:47:13 2019
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 13:53:23 2019
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(13) Anthracene

17.237min (+0.059) 0.00ng/ul

response 39

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	140.59#
176.00	20.80	67.33#
0.00	0.00	0.00

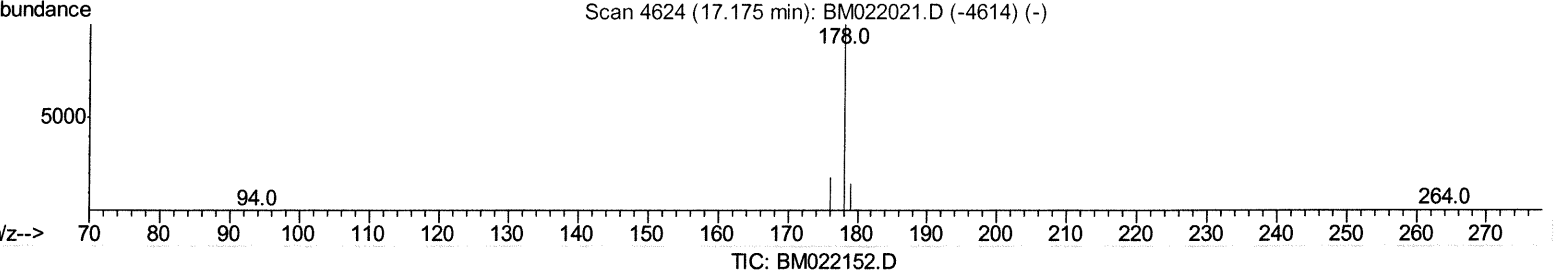
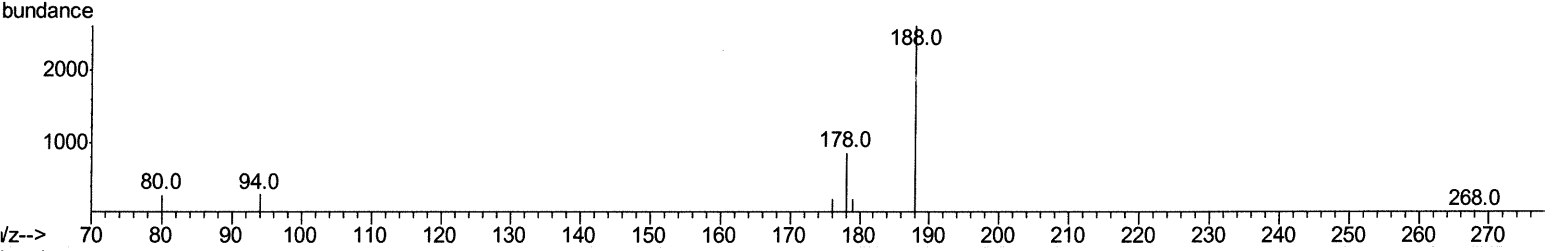
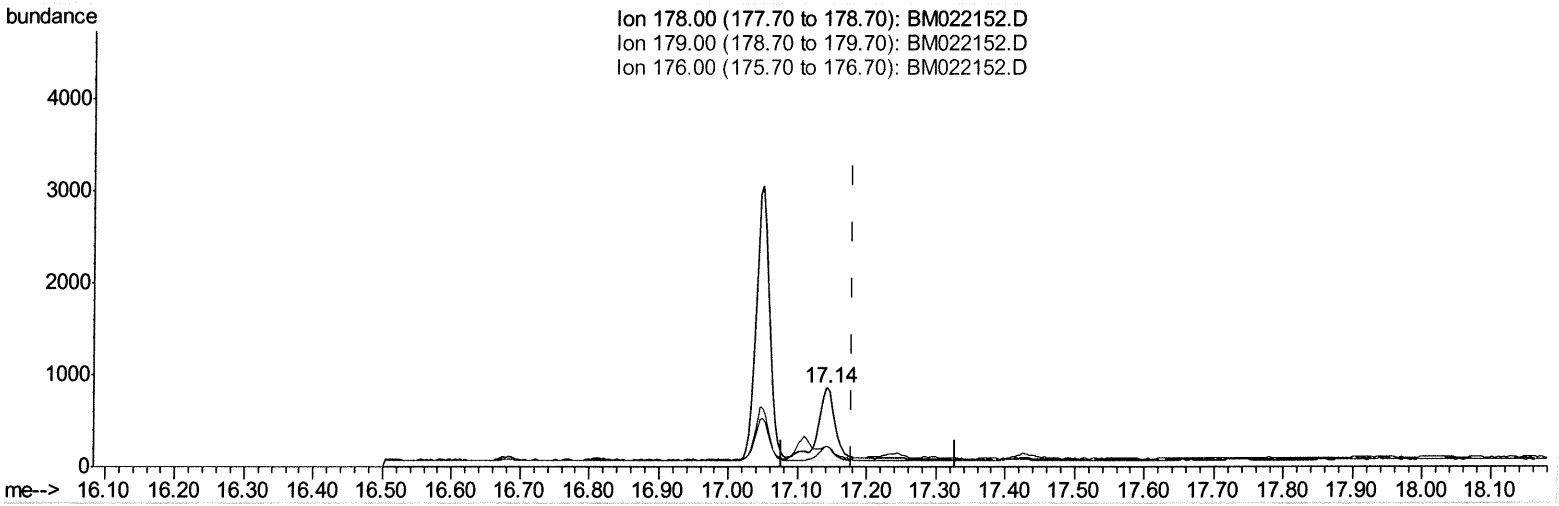
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
 Operator : HP/JU
 Sample : K4242-13
 Misc :
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(13) Anthracene

17.143min (-0.035) 0.14ng/ul m *Ju 08/20/19*

response 1390

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	26.14#
176.00	20.80	25.90#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
 Operator : HP/JU
 Sample : K4242-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

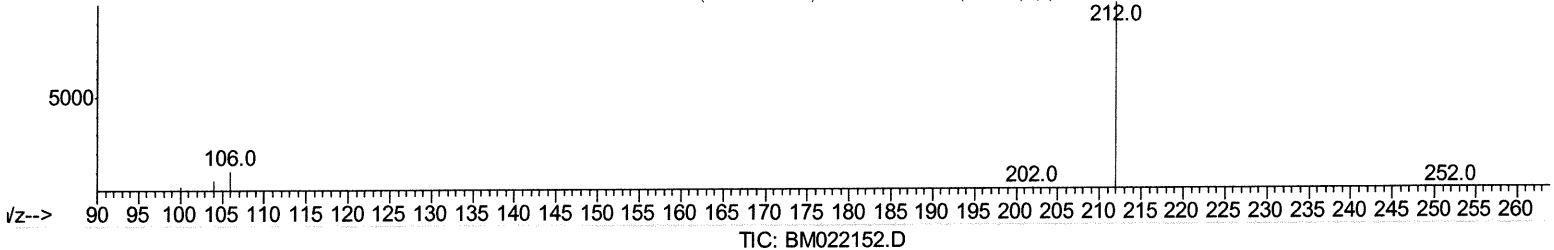
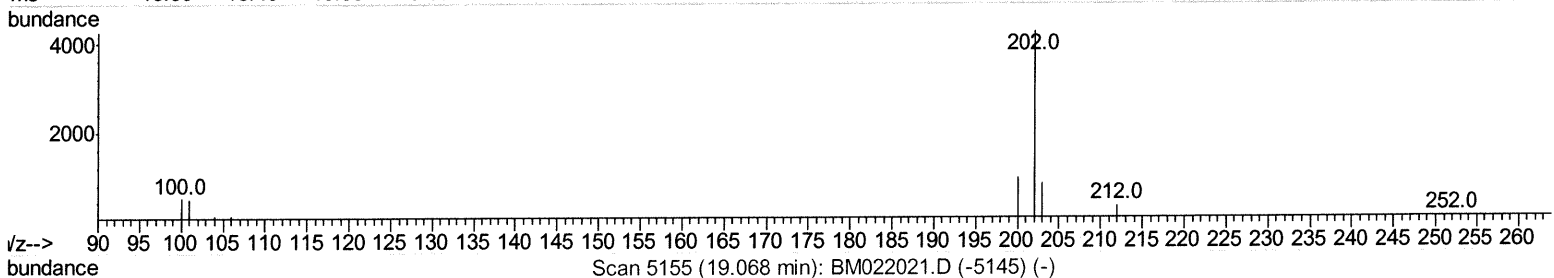
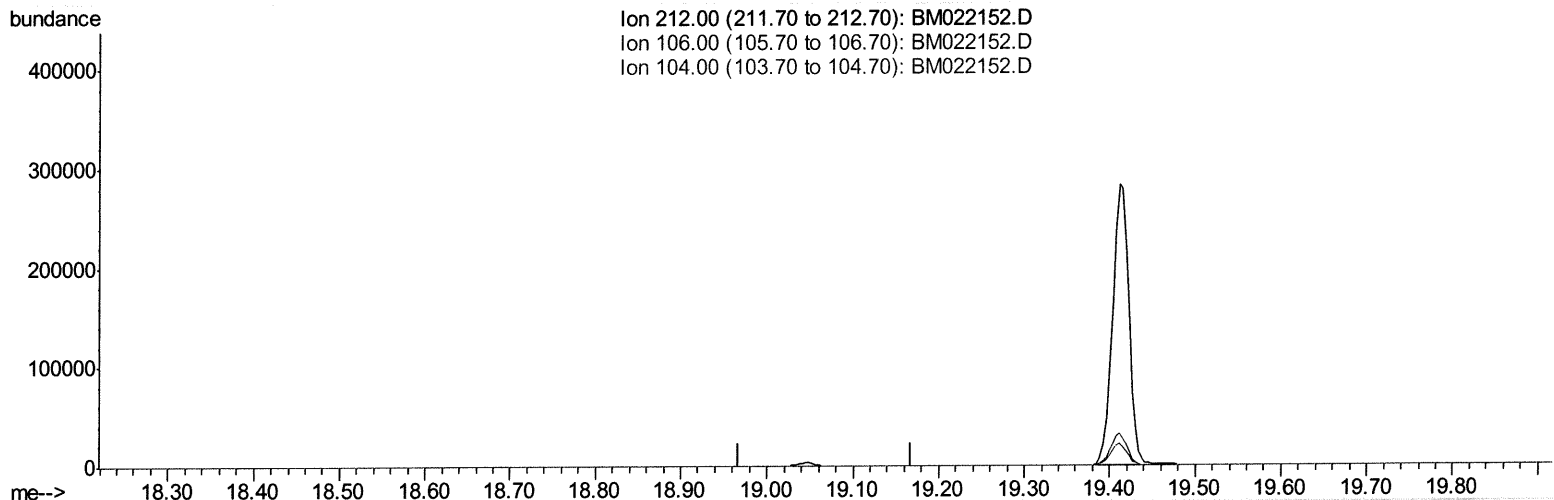
Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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Ion 212.00 (211.70 to 212.70): BM022152.D
 Ion 106.00 (105.70 to 106.70): BM022152.D
 Ion 104.00 (103.70 to 104.70): BM022152.D



(14) Fluoranthene-d10 (SURR)

19.068min (-19.068) 0.00ng/ul

response 0

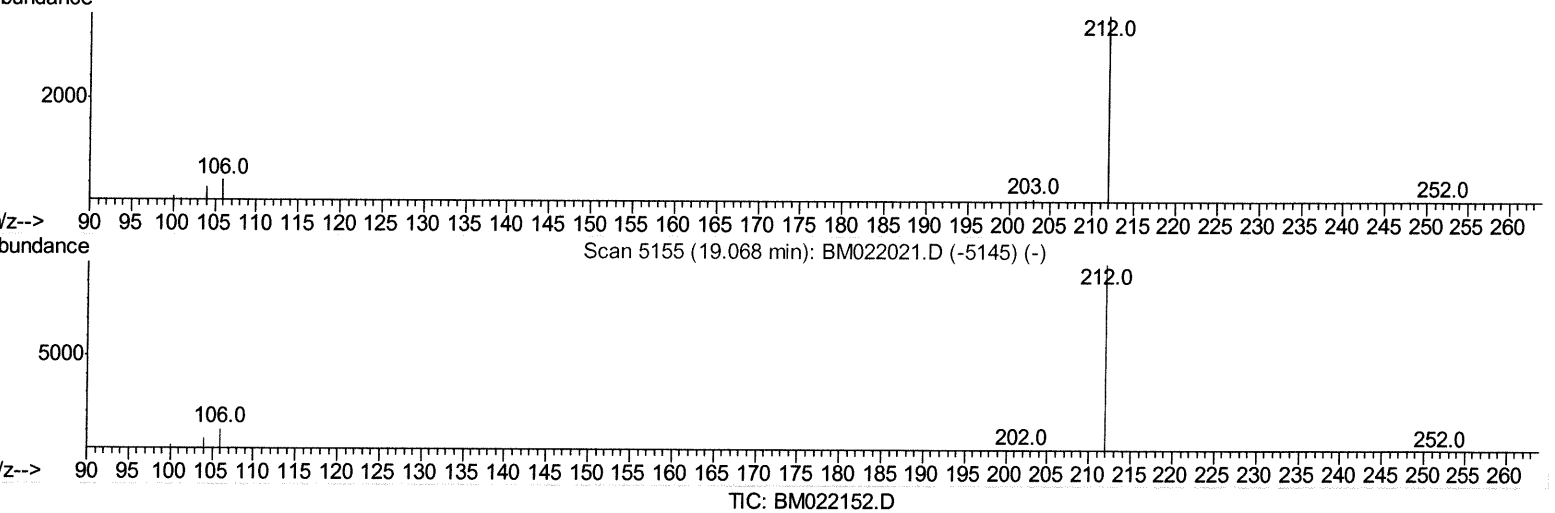
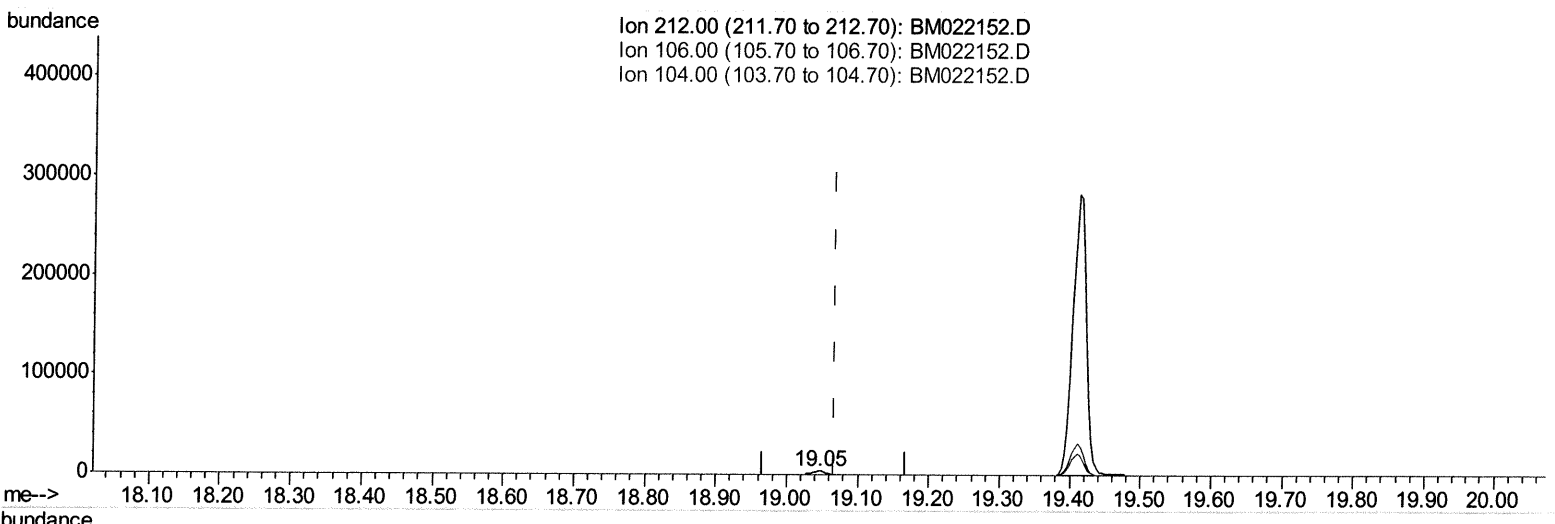
Ion	Exp%	Act%
212.00	100	0.00
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022152.D
Acq On : 15 Aug 2019 20:23
Operator : HP/JU
Sample : K4242-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ1

Manual Integrations
APPROVED
mohammad
8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:47:13 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)
19.045min (-0.023) 0.37ng/ul m *JU 8/20/19*

response 4983

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

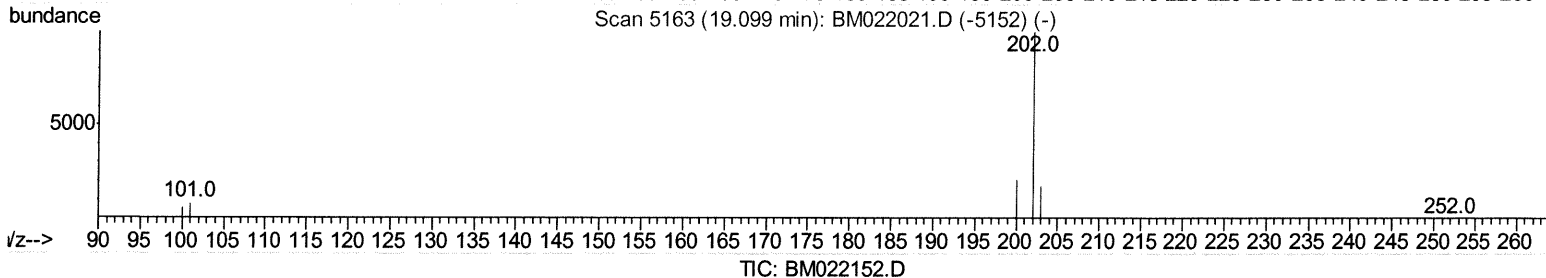
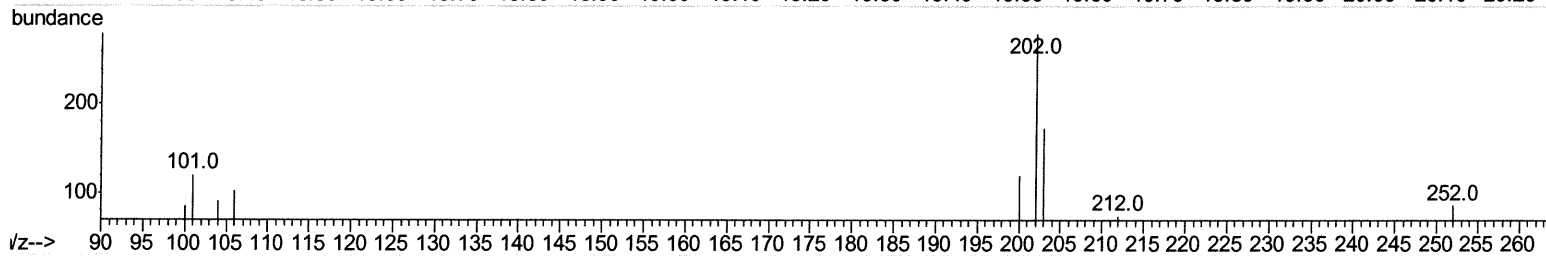
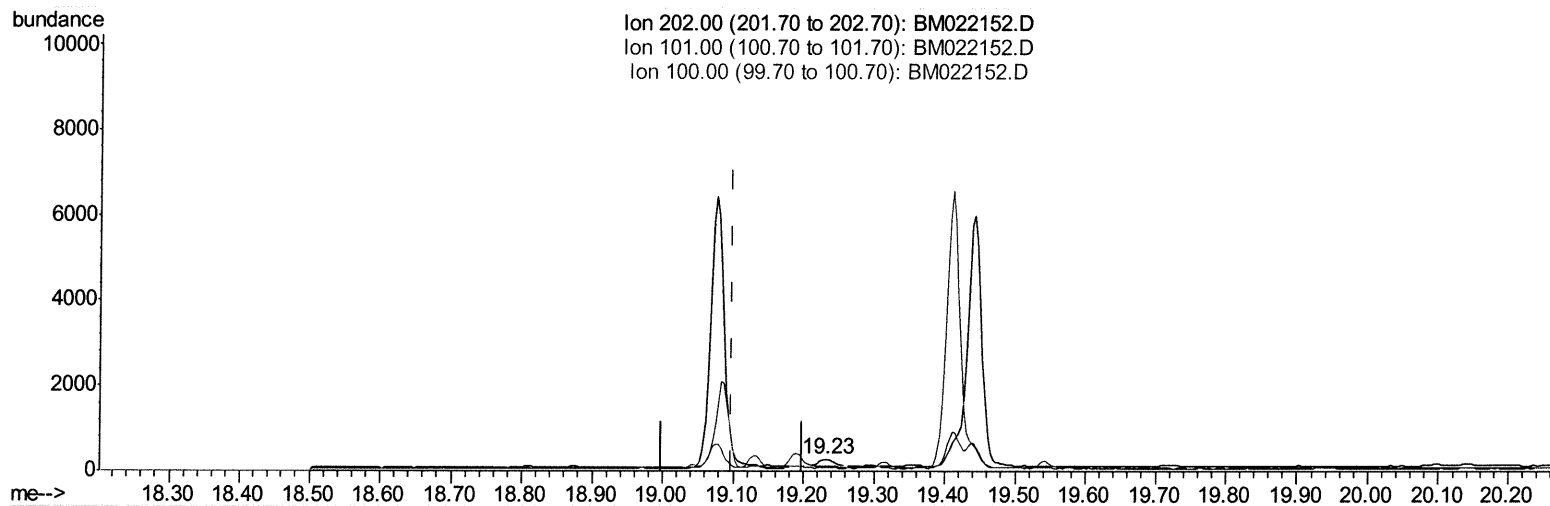
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
 Operator : HP/JU
 Sample : K4242-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ1

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:47:13 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



(15) Fluoranthene (C)

19.232min (+0.133) 0.02ng/ul

response 266

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	42.86#
100.00	8.10	30.36#
0.00	0.00	0.00

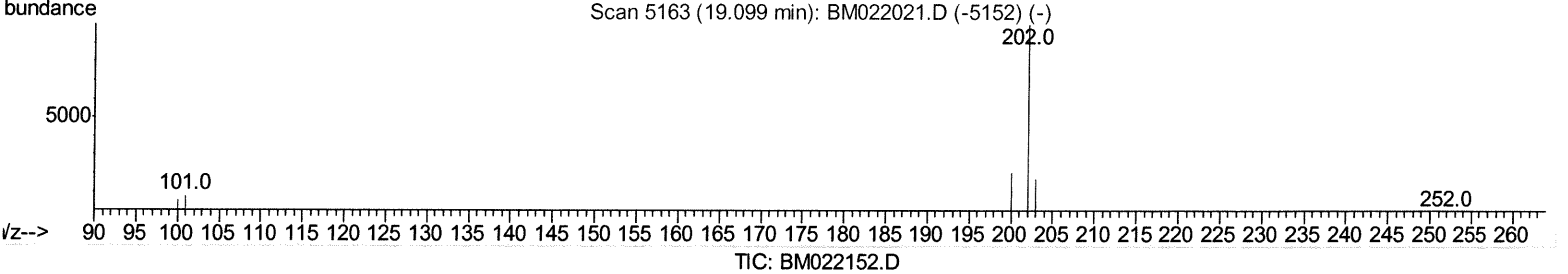
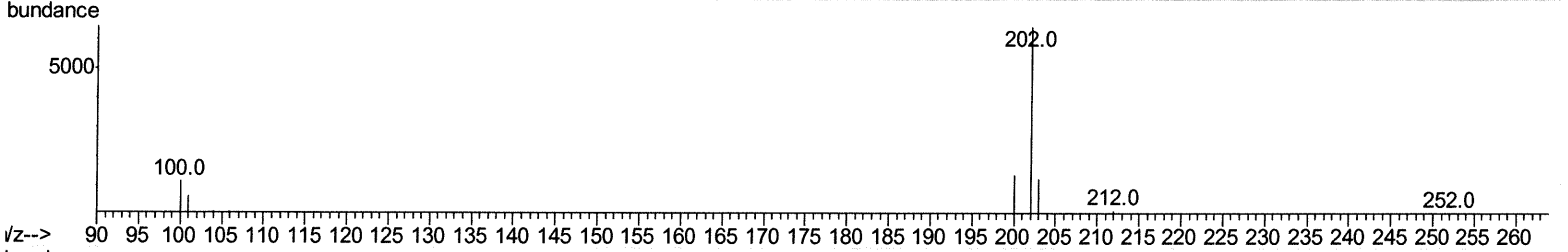
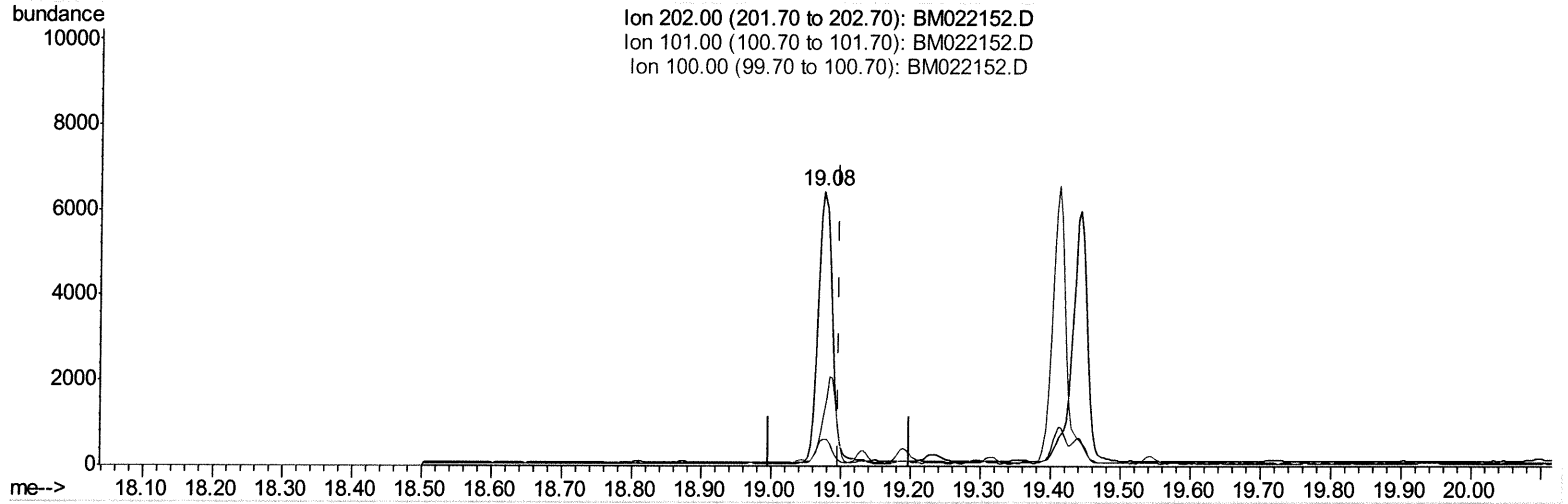
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
 Operator : HP/JU
 Sample : K4242-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ1

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:47:13 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)

19.076min (-0.023) 0.56ng/ul m *JU 08/20/19*

response 8750

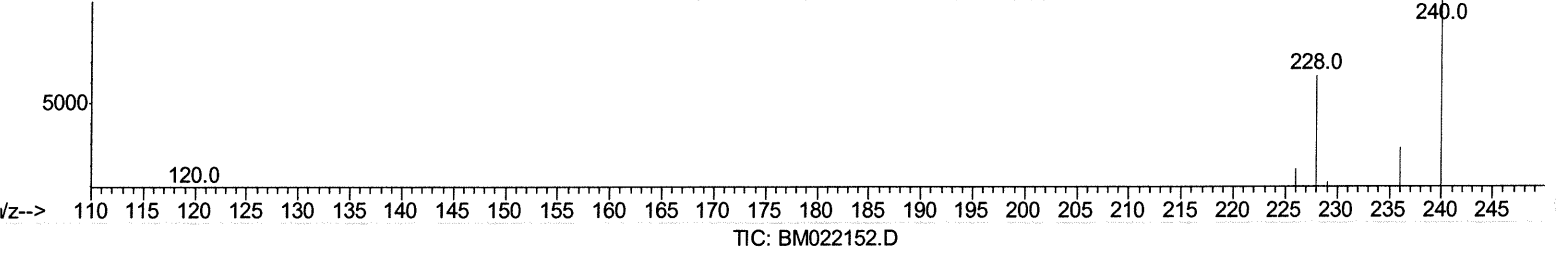
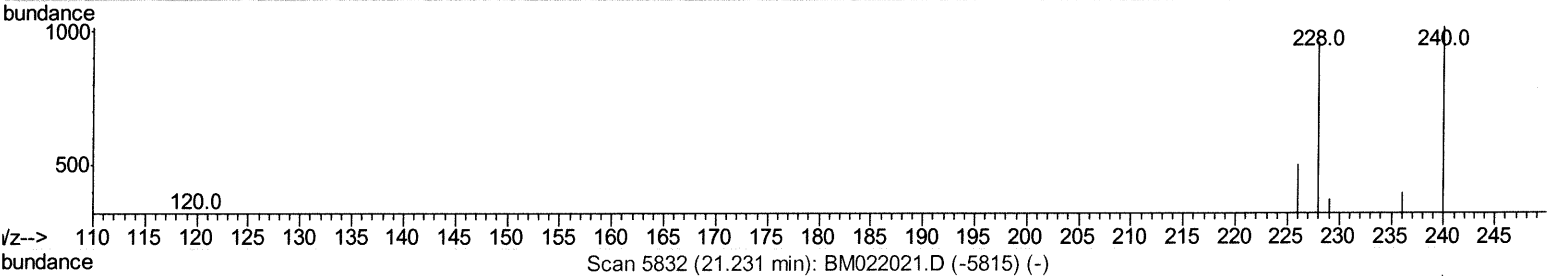
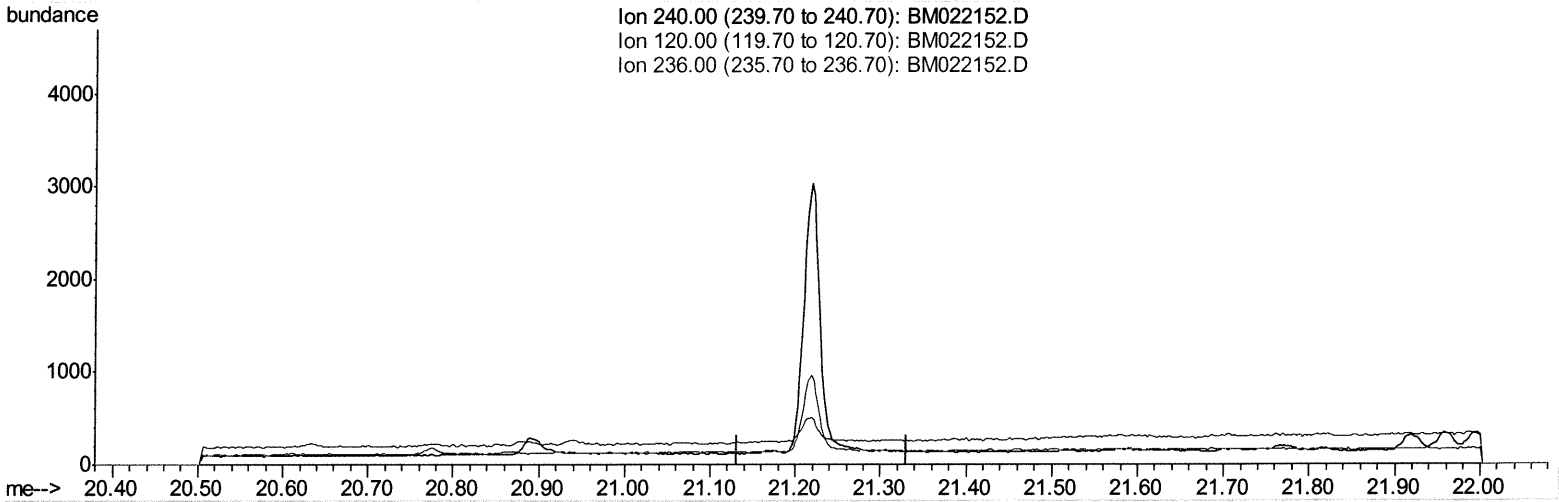
Ion	Exp%	Act%
202.00	100	100
101.00	10.20	9.86
100.00	8.10	17.84
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
 Operator : HP/JU
 Sample : K4242-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ1

Manual Integrations
 APPROVED
 mohammad
 8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:47:13 2019
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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

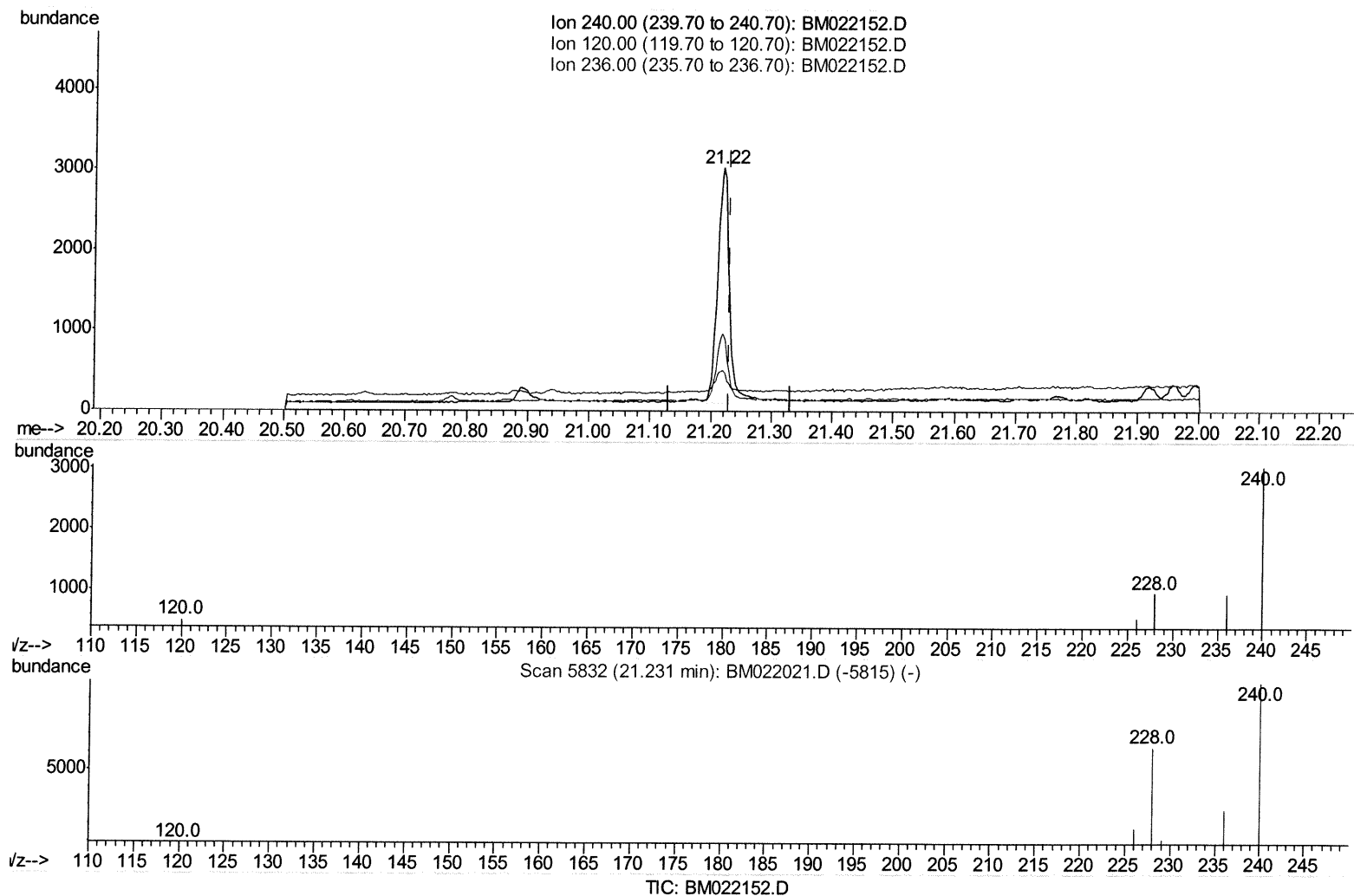
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
 Operator : HP/JU
 Sample : K4242-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Jo
 08/20/19

response 3960

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	16.82
236.00	32.30	31.63
0.00	0.00	0.00

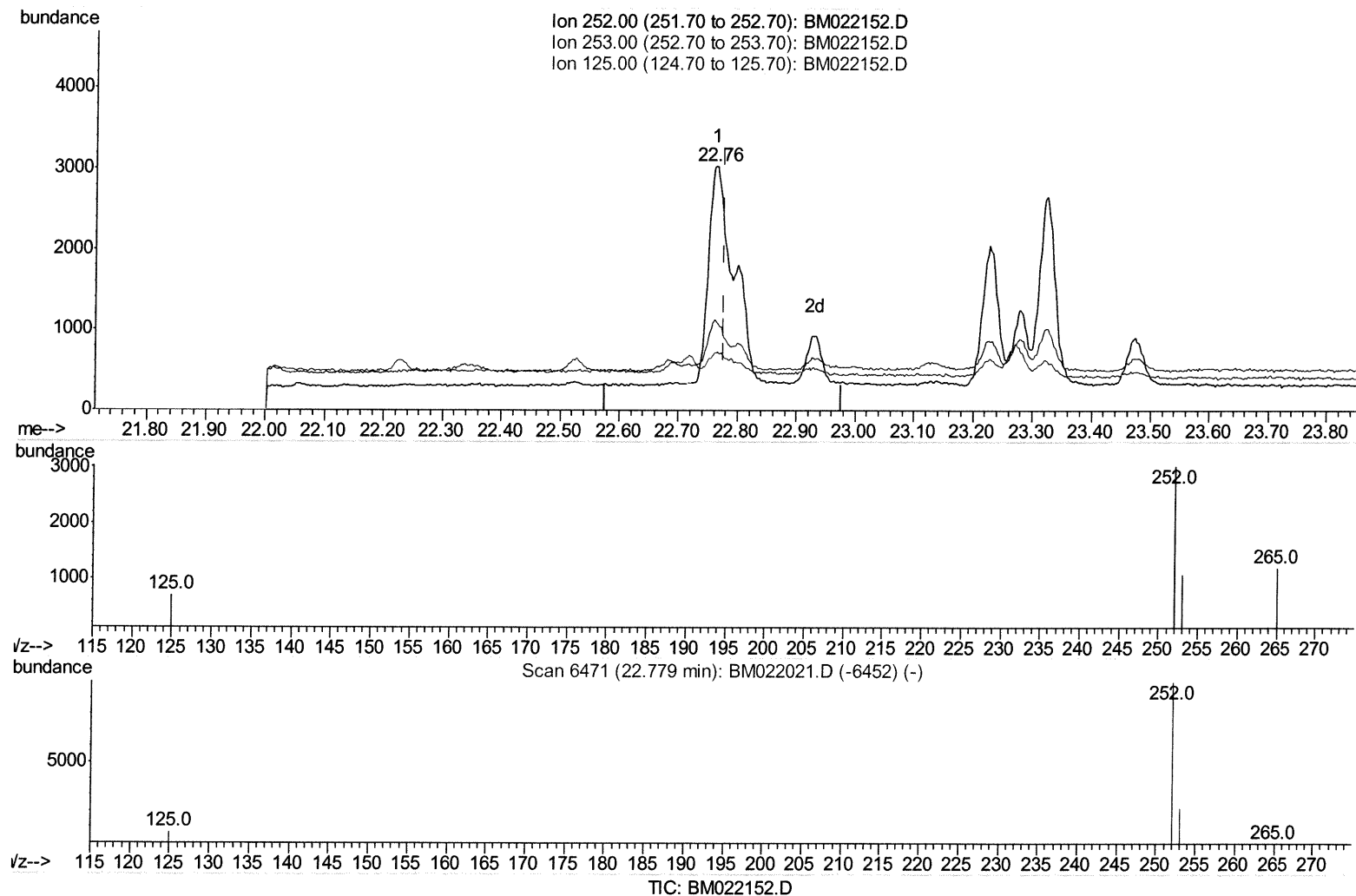
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
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 Operator : HP/JU
 Sample : K4242-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:48:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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(21) Benzo(b)fluoranthene

22.764min (-0.012) 0.58ng/ul

response 8056

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	35.80
125.00	15.50	23.51
0.00	0.00	0.00

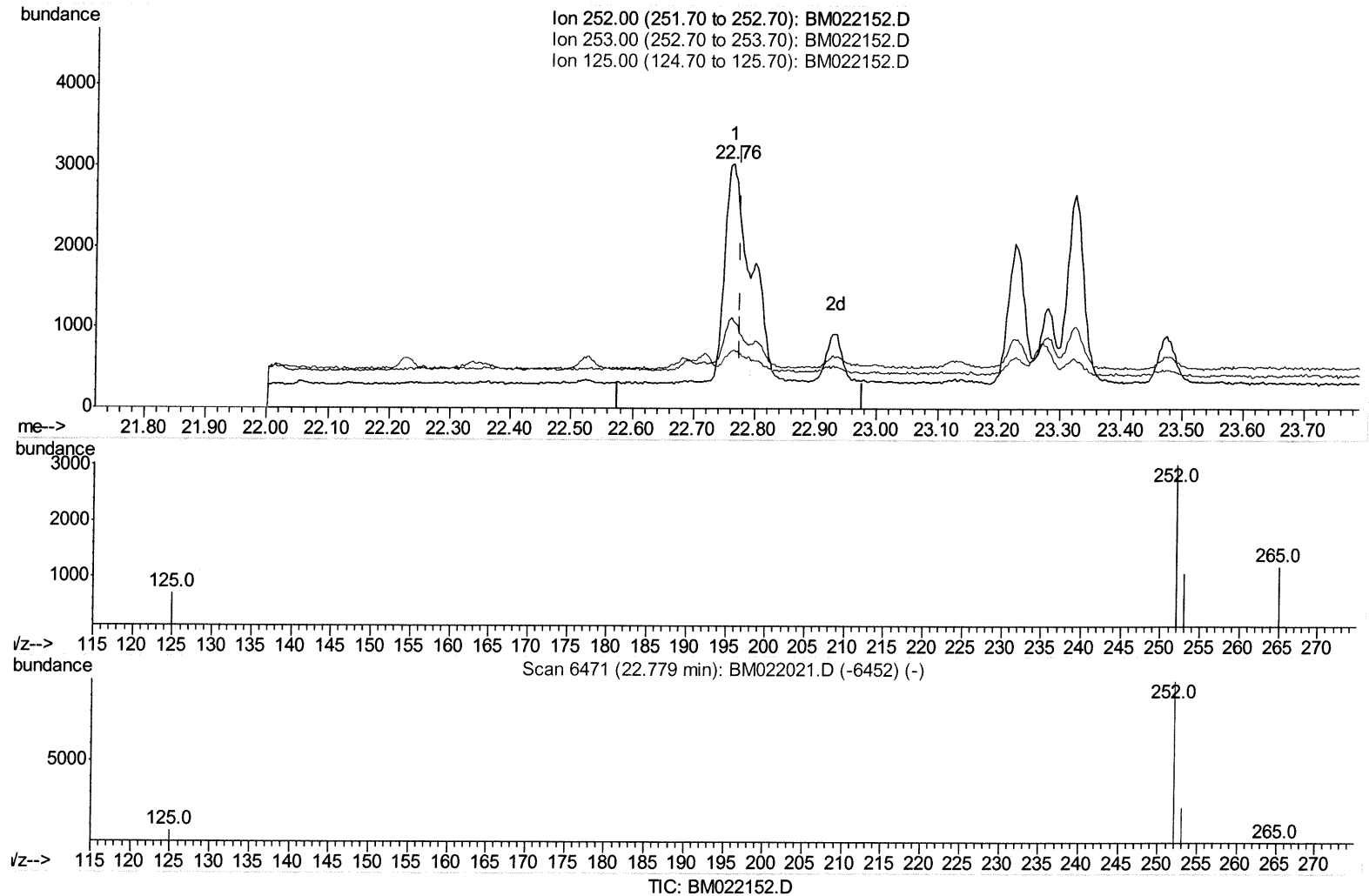
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
 Operator : HP/JU
 Sample : K4242-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

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(21) Benzo(b)fluoranthene

22.764min (-0.012) 0.43ng/ul m

JU 08/20/19

response 5983

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	35.80
125.00	15.50	23.51
0.00	0.00	0.00

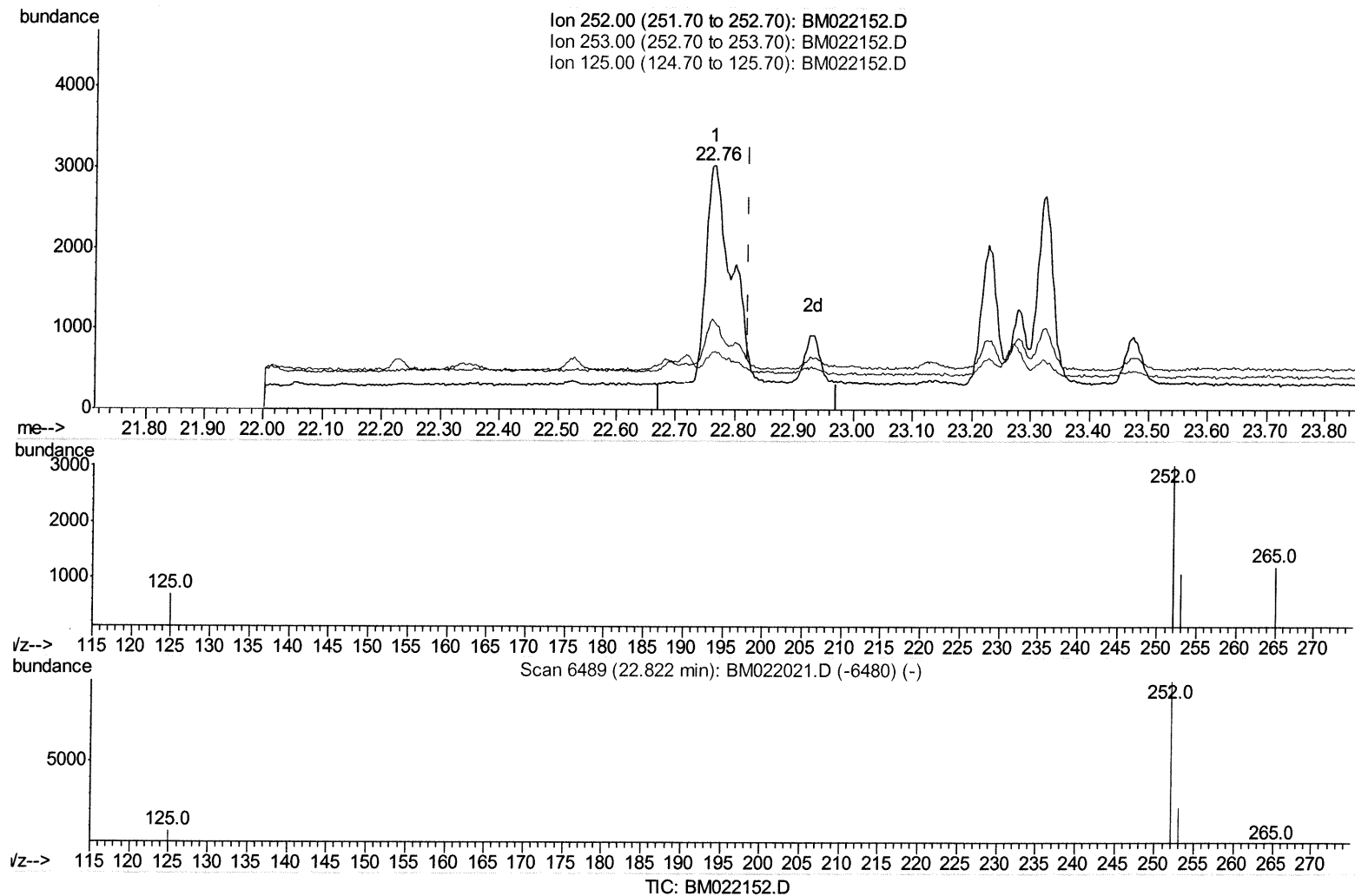
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 Sample : K4242-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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 ClientSampleId :
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Manual Integrations
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 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.764min (-0.058) 0.51ng/ul

response 8056

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	35.80
125.00	15.20	23.51#
0.00	0.00	0.00

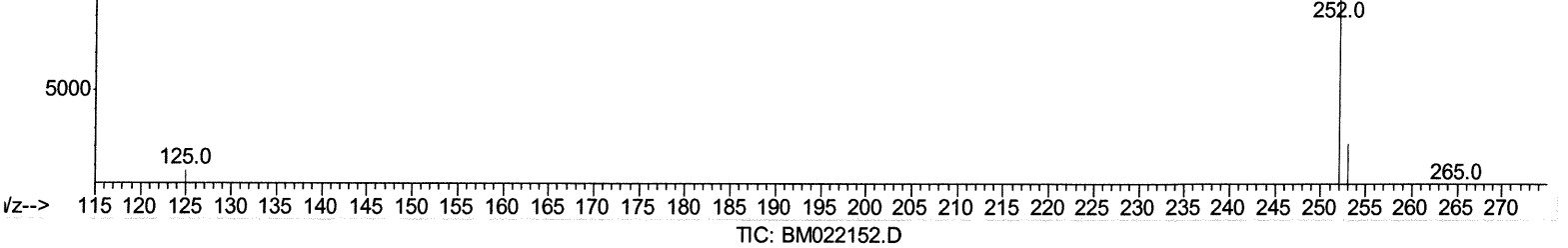
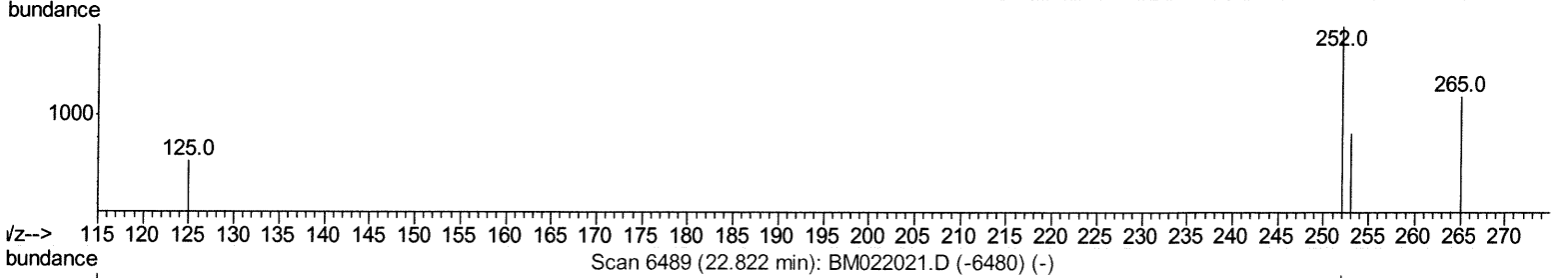
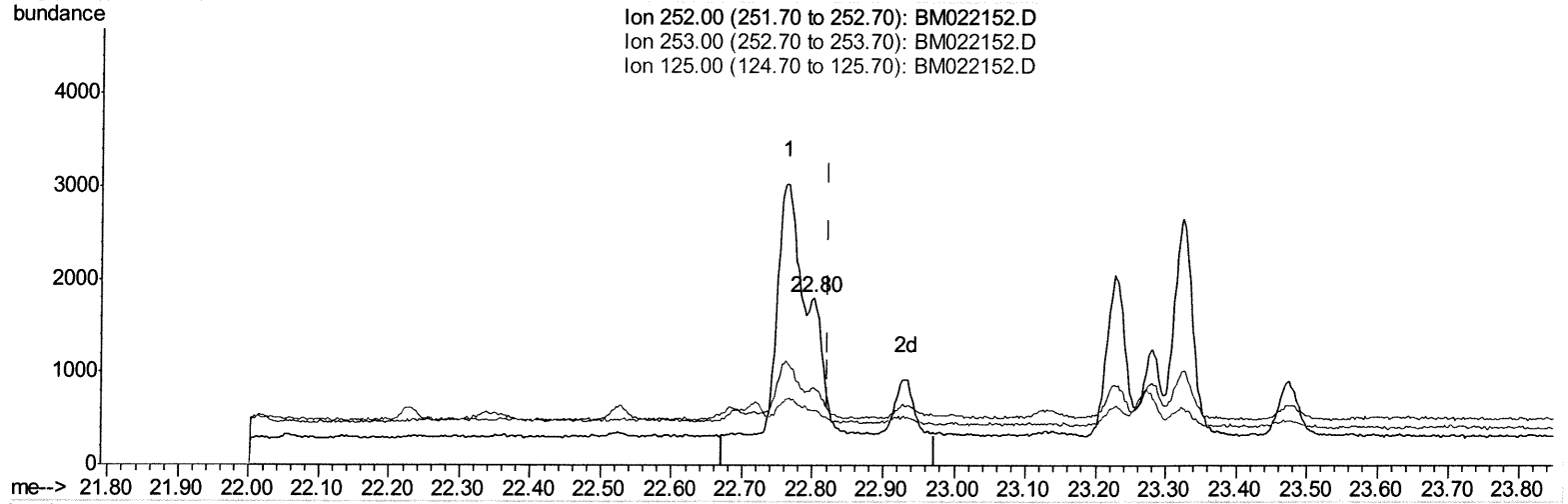
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
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 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.800min (-0.022) 0.14ng/ul m

JU
 08/20/19

response 2133

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	46.67#
125.00	15.20	32.54#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022152.D
 Acq On : 15 Aug 2019 20:23
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	669	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	2823	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	1628	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4011m →	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	3960m →	0.40	ng/ul	-0.01
20) Perylene-d12	23.42	264	4136	0.40	ng/ul	-0.02

JU 08/20/19

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.99	152	1614	0.35	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	4983m →	0.37	ng/ul	-0.02

JU 08/20/19

Target Compounds

					Ovalue
7) Acenaphthylene	13.97	152	665	0.088	ng/ul# 74
9) Fluorene	15.31	166	219	0.032	ng/ul# 90
12) Phenanthrene	17.05	178	4074	0.349	ng/ul 99
13) Anthracene	17.14	178	1390m →	0.140	ng/ul → JU 08/20/19
15) Fluoranthene	19.08	202	8750m →	0.560	ng/ul → JU 08/20/19
17) Pyrene	19.44	202	8874	0.545	ng/ul 98
18) Benzo(a)anthracene	21.20	228	4903	0.346	ng/ul# 91
19) Chrysene	21.26	228	4067	0.223	ng/ul# 90
21) Benzo(b)fluoranthene	22.76	252	5983m →	0.429	ng/ul → JU 08/20/19
22) Benzo(k)fluoranthene	22.80	252	2133m →	0.135	ng/ul → JU 08/20/19
23) Benzo(a)pyrene	23.32	252	4181	0.295	ng/ul# 95
24) Indeno(1,2,3-cd)pyrene	25.64	276	3123	0.184	ng/ul# 96
25) Dibenzo(a,h)anthracene	25.64	278	759	0.055	ng/ul# 12
26) Benzo(g,h,i)perylene	26.32	276	2805	0.184	ng/ul# 80

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