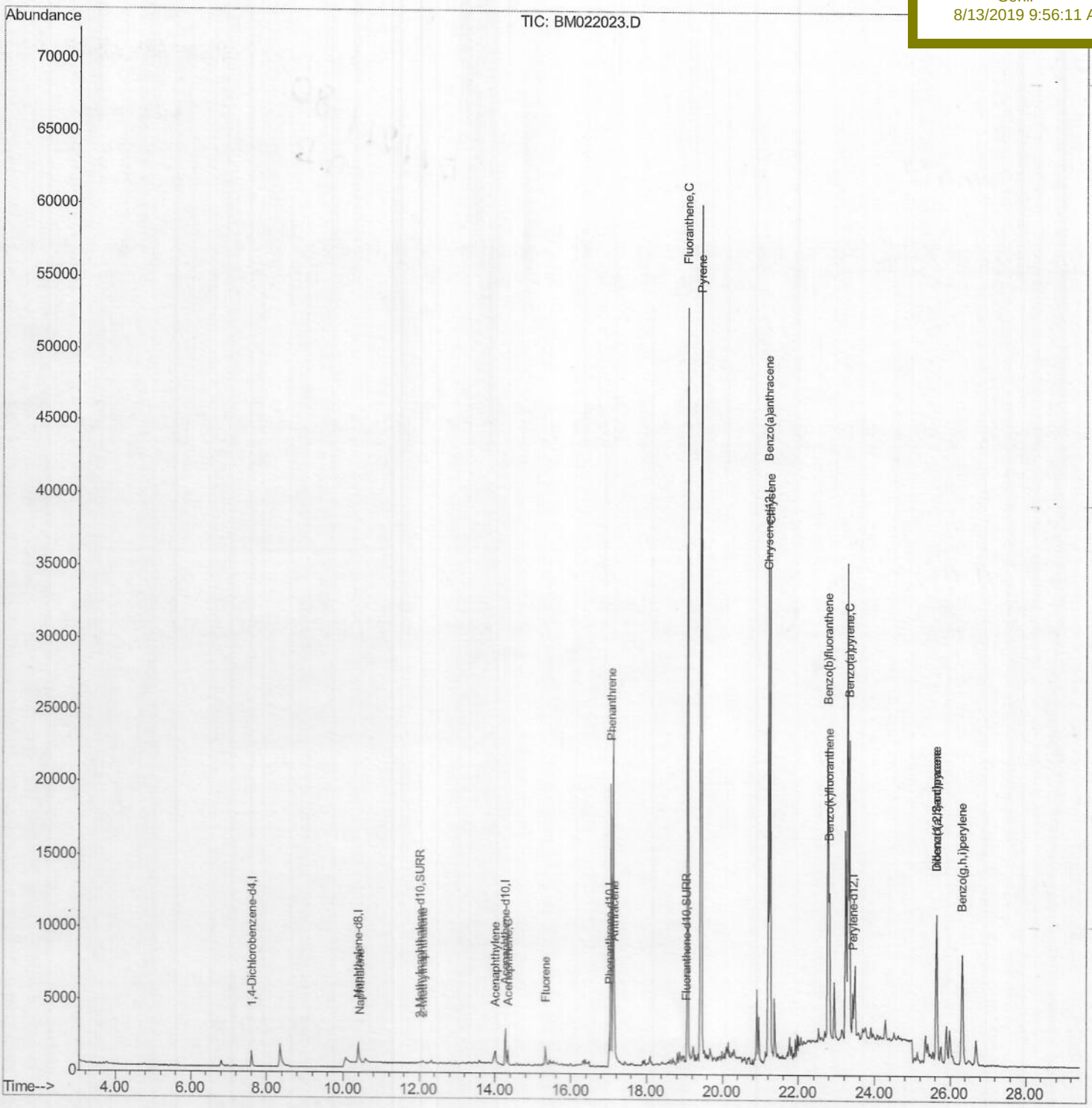
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022023.D
Acq On : 12 Aug 2019 09:47
Operator : HP/JU
Sample : K4028-03DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 14:14:52 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP69DL

Manual Integrations APPROVED
Sohil
8/13/2019 9:56:11 AM



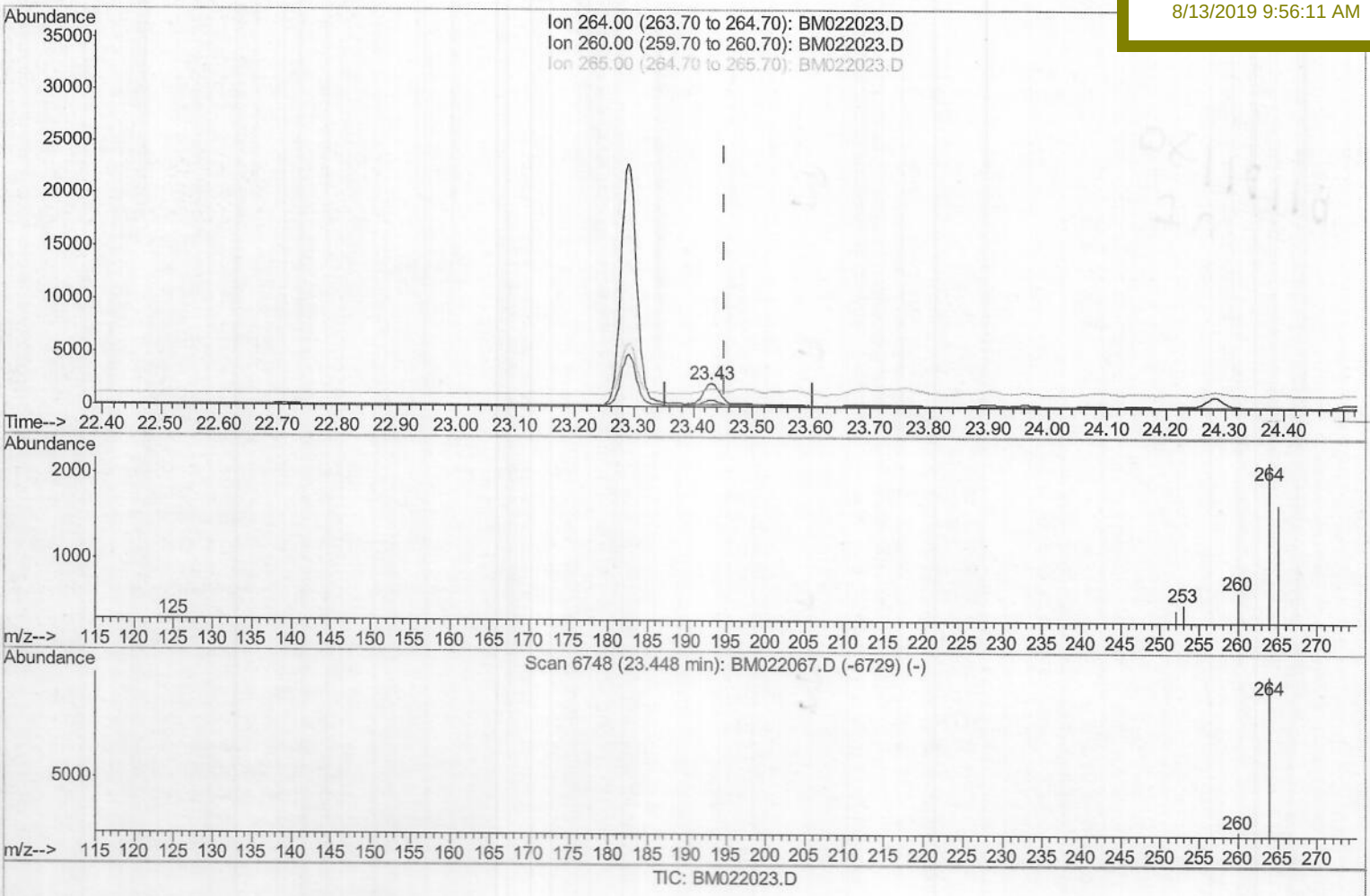
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022023.D
Acq On : 12 Aug 2019 09:47
Operator : HP/JU
Sample : K4028-03DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 18:51:29 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 : Tue Aug 13 18:40:42 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP69DL

Manual Integrations APPROVED
Sohil
8/13/2019 9:56:11 AM



(20) Perylene-d12 (I)

23.428min (-0.026) 0.40ng/ul

response 4160

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	28.90
265.00	117.00	76.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022023.D
Acq On : 12 Aug 2019 09:47
Operator : HP/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
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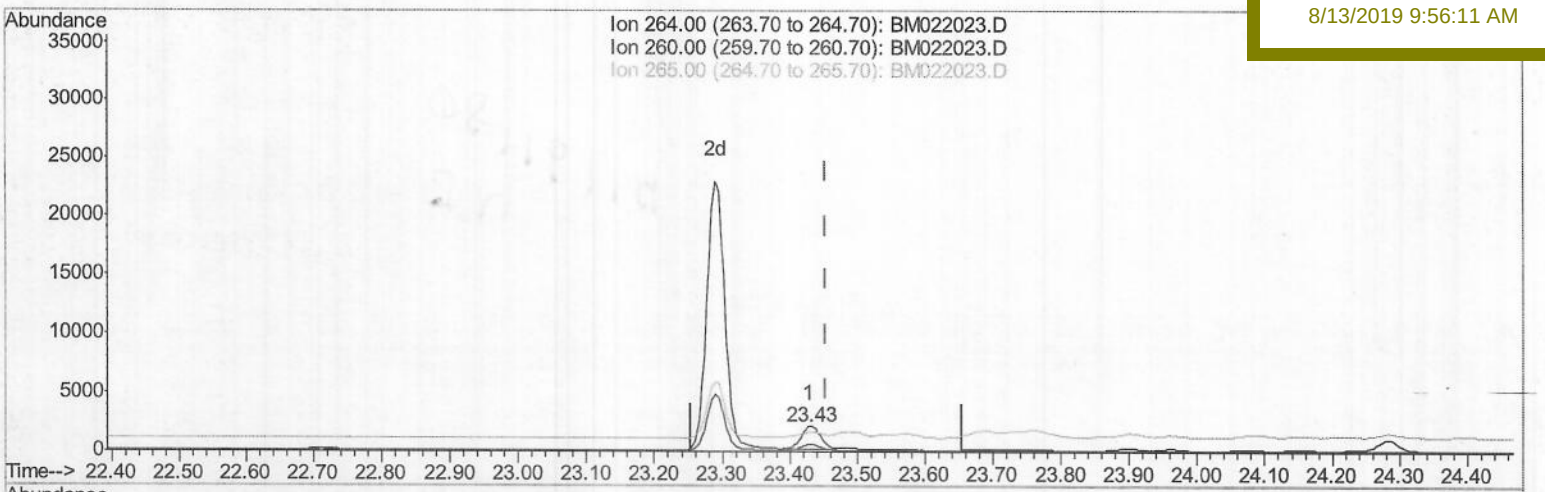
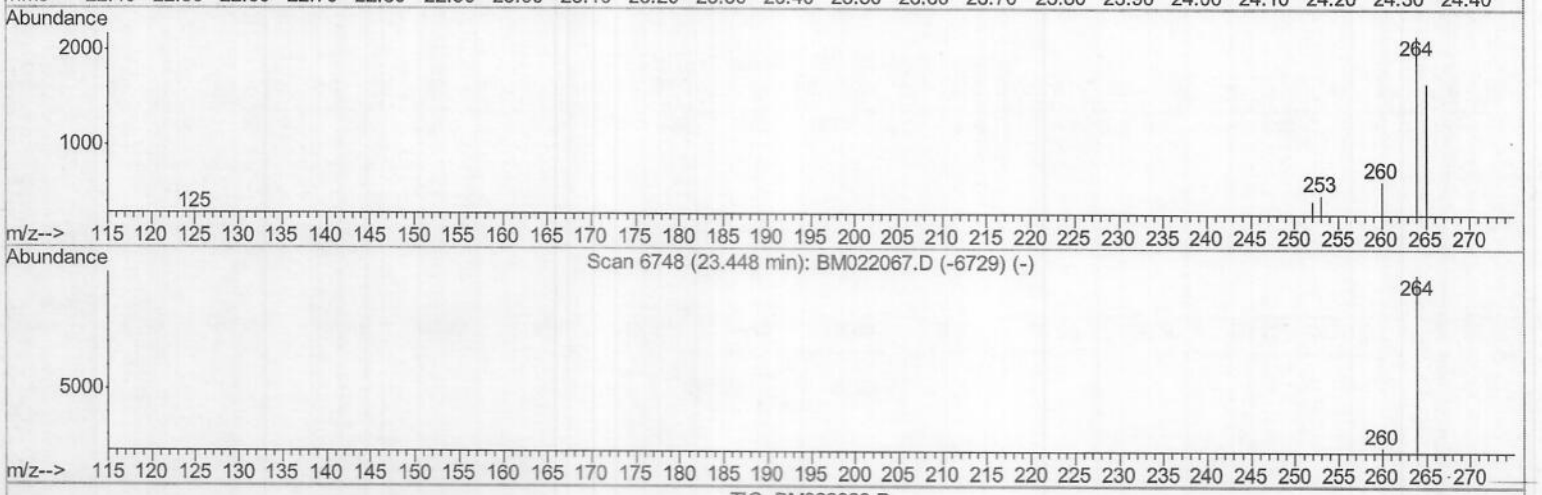
Instrument :
BNA_M
ClientSampleId :
BEP69DL

Manual Integrations APPROVED
Sohil
8/13/2019 9:56:11 AM





TIC: BM022023.D

(20) Perylene-d12 (I)

23.428min (-0.027) 0.40ng/ul m JU 08/16/19

response 3652

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	28.90
265.00	117.00	76.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022023.D
Acq On : 12 Aug 2019 09:47
Operator : HP/JU
Sample : K4028-03DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 18:51:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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QLast Update : Tue Aug 13 18:40:42 2019
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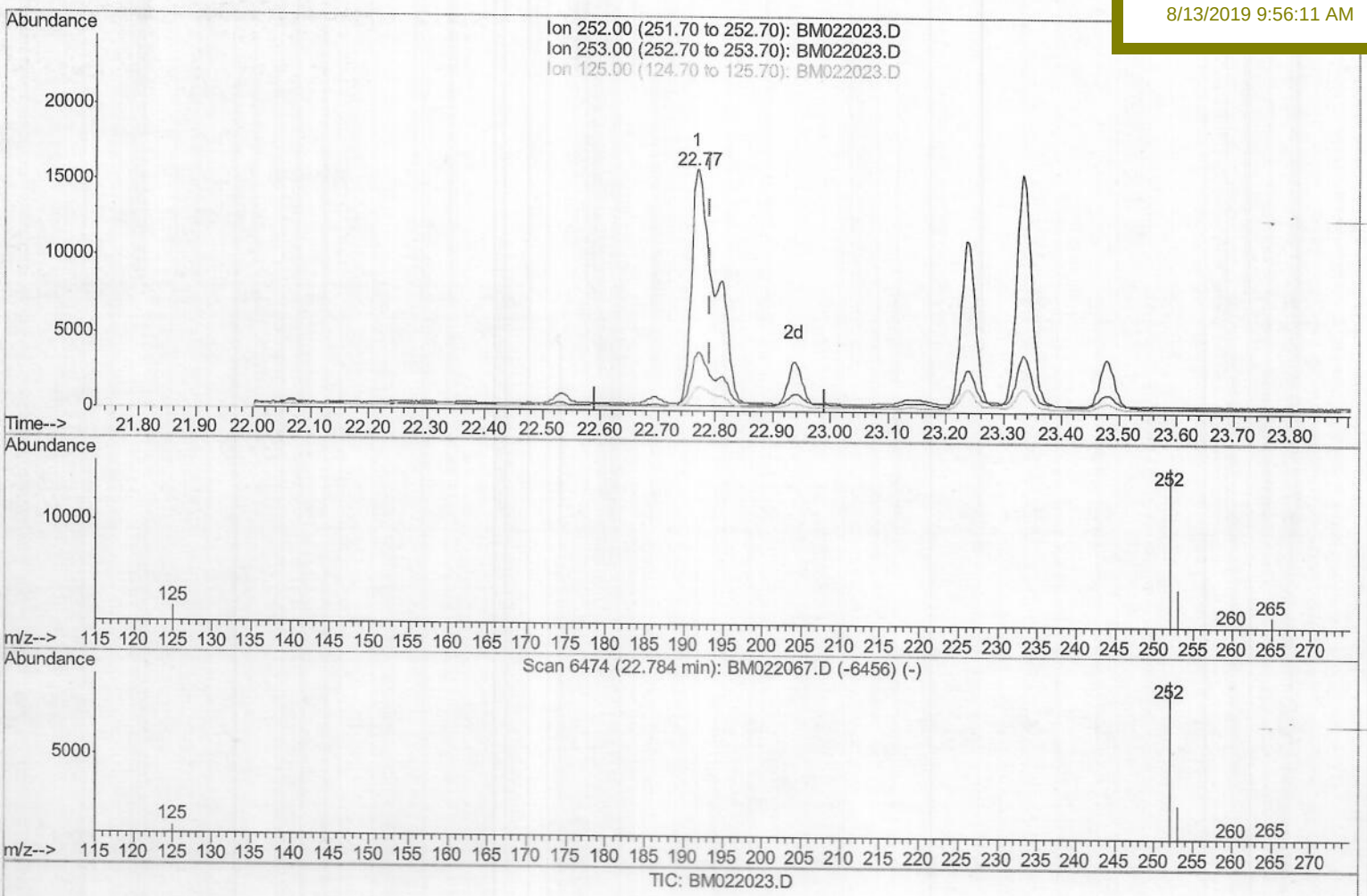
Instrument :
BNA_M
ClientSampleId :
BEP69DL

Manual Integrations APPROVED
Sohil
8/13/2019 9:56:11 AM



TIC: BM022023.D

(21) Benzo(b)fluoranthene

22.769min (-0.022) 3.25ng/ul

response 45636

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.72
125.00	15.50	9.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022023.D
Acq On : 12 Aug 2019 09:47
Operator : HP/JU
Sample : K4028-03DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 14:14:52 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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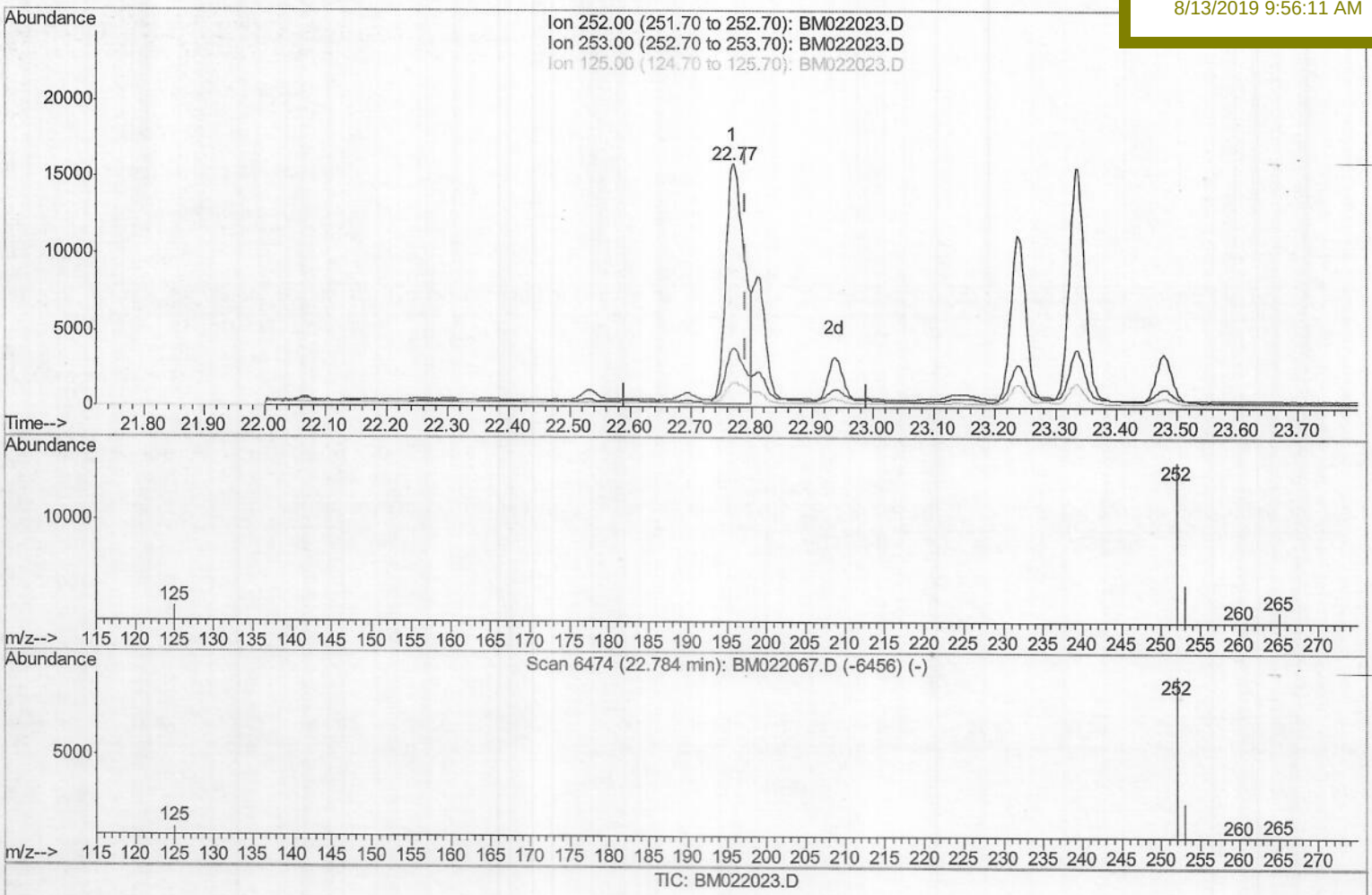
Instrument :
BNA_M
ClientSampleId :
BEP69DL

Manual Integrations APPROVED
Sohil
8/13/2019 9:56:11 AM



TIC: BM022023.D

(21) Benzo(b)fluoranthene

22.769min (-0.022) 2.70ng/ul m) JU
08/16/19

response 33230

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.72
125.00	15.50	9.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022023.D
Acq On : 12 Aug 2019 09:47
Operator : HP/JU
Sample : K4028-03DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 18:51:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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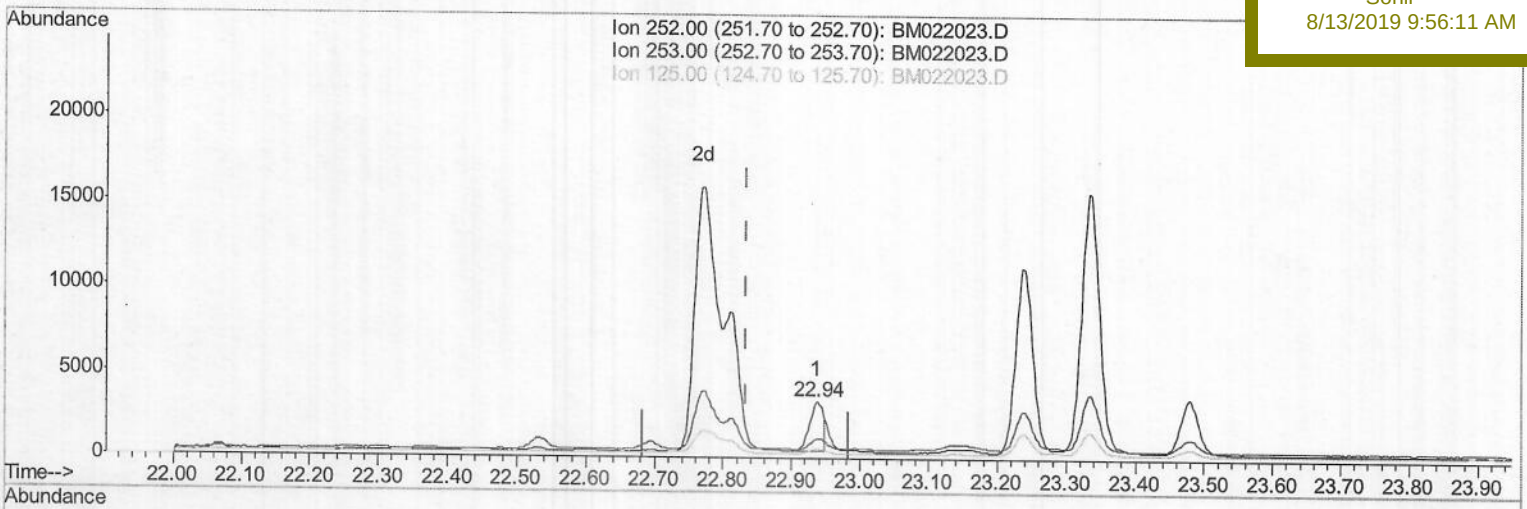
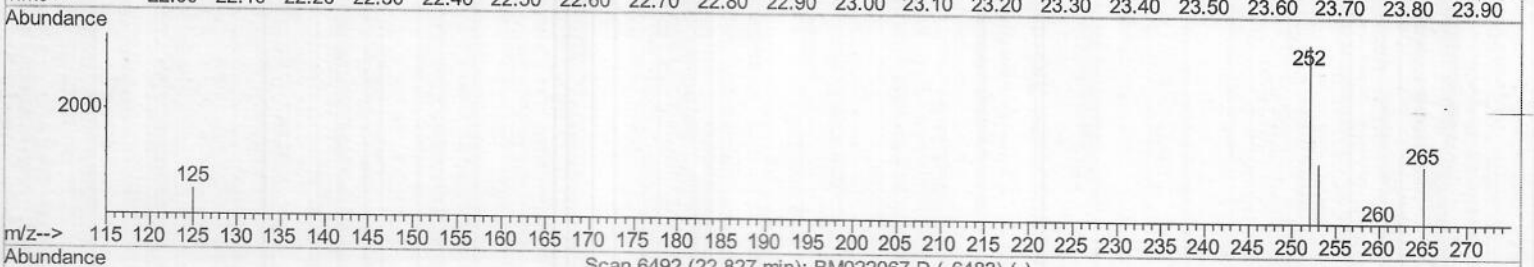
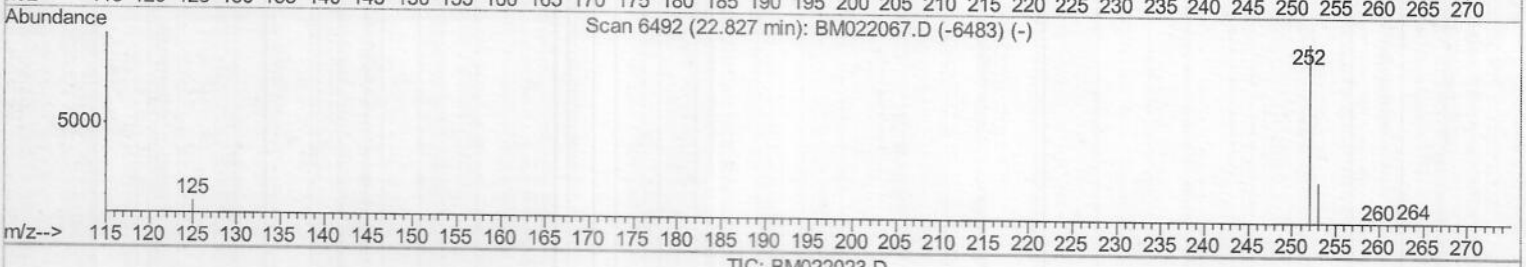
Instrument :
BNA_M
ClientSampleId :
BEP69DL

Manual Integrations APPROVED
Sohil
8/13/2019 9:56:11 AM







TIC: BM022023.D

(22) Benzo(k)fluoranthene

22.936min (+0.102) 0.25ng/ul

response 4010

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	35.60
125.00	15.20	17.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022023.D
Acq On : 12 Aug 2019 09:47
Operator : HP/JU
Sample : K4028-03DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 14:14:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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QLast Update : Fri Aug 09 01:29:50 2019
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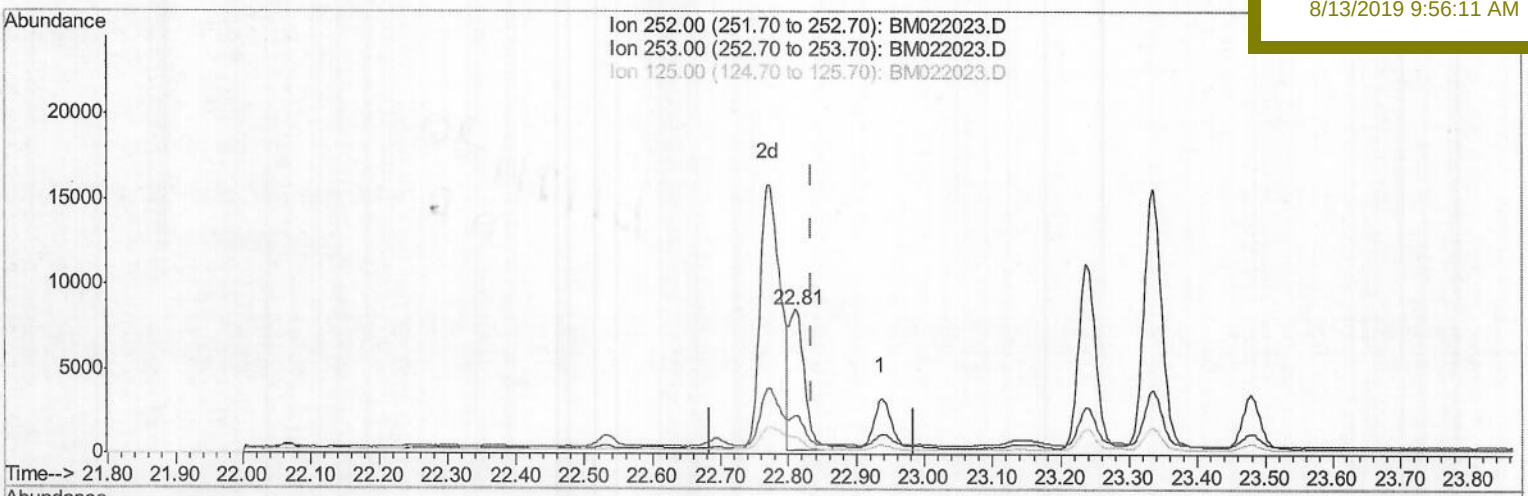
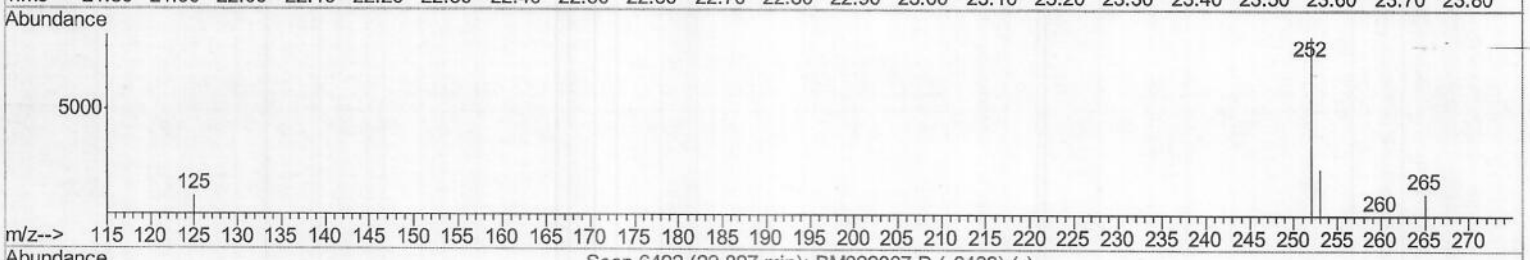
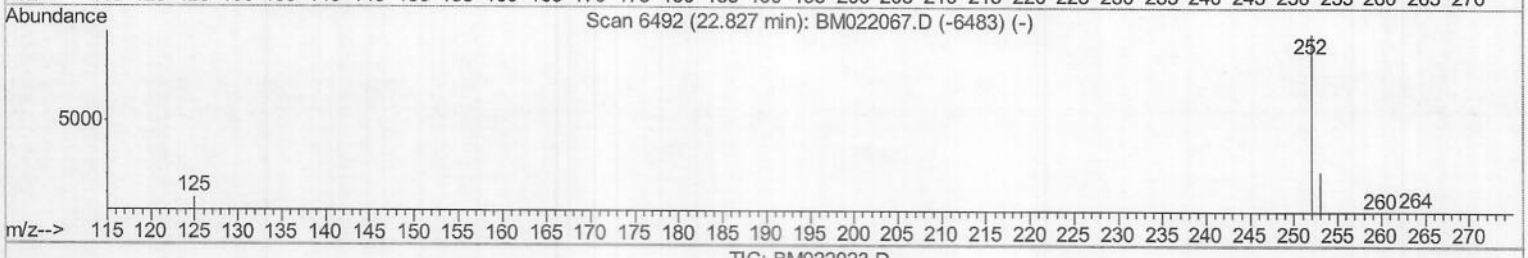
Instrument :
BNA_M
ClientSampleId :
BEP69DL

Manual Integrations APPROVED
Sohil
8/13/2019 9:56:11 AM







TIC: BM022023.D

(22) Benzo(k)fluoranthene

22.810min (-0.024) 0.94ng/ul m JU 08/16/19

response 13078

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.88#
125.00	15.20	11.67#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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ALS Vial : 4 Sample Multiplier: 1

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Instrument : BNA_M
ClientSampleId : BEP69DL

Manual Integrations APPROVED
Sohil
8/13/2019 9:56:11 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	647	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	2742	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.27	164	1485	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	3341	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	3422	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	3652m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	150	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	471	0.04	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.45	128	273	0.035	ng/ul#	45
5) 2-Methylnaphthalene	12.09	142	169	0.033	ng/ul	93
7) Acenaphthylene	13.99	152	1135	0.164	ng/ul#	81
8) Acenaphthene	14.33	153	735	0.130	ng/ul	95
9) Fluorene	15.33	166	1013	0.161	ng/ul#	98
12) Phenanthrene	17.06	178	21090	2.169	ng/ul	97
13) Anthracene	17.16	178	5577	0.673	ng/ul	98
15) Fluoranthene	19.08	202	46475	3.569	ng/ul	97
17) Pyrene	19.45	202	52984	3.768	ng/ul	99
18) Benzo(a)anthracene	21.20	228	31972	2.612	ng/ul	99
19) Chrysene	21.26	228	33471	2.126	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	33230m	2.698	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	13078m	0.938	ng/ul	
23) Benzo(a)pyrene	23.33	252	27603	2.204	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.64	276	15638	1.046	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.64	278	4700	0.389	ng/ul	95
26) Benzo(g,h,i)perylene	26.32	276	16251	1.207	ng/ul	98

JU 08/16/19

JU 08/16/19

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