

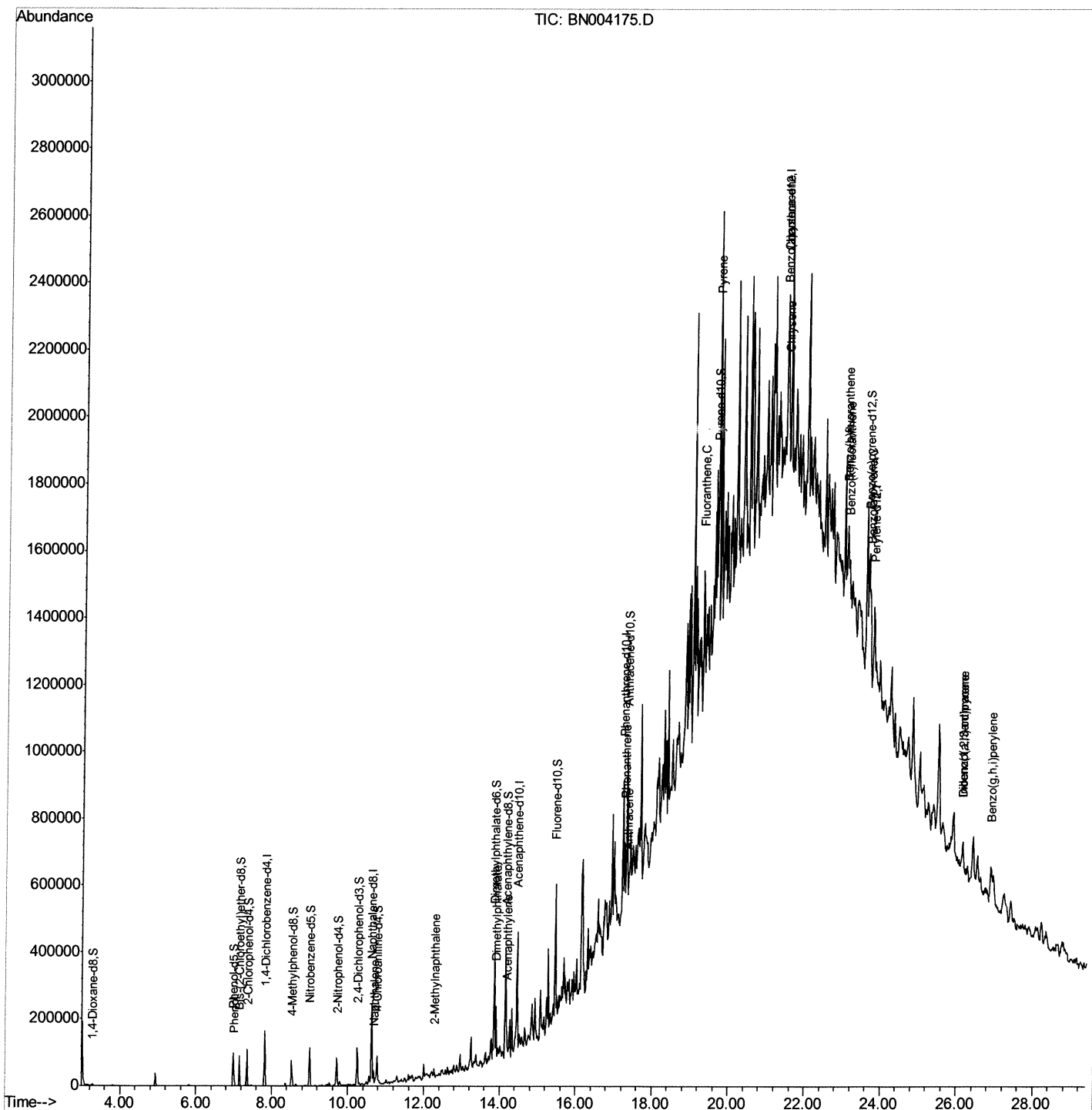
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (QT Reviewed)
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:46:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

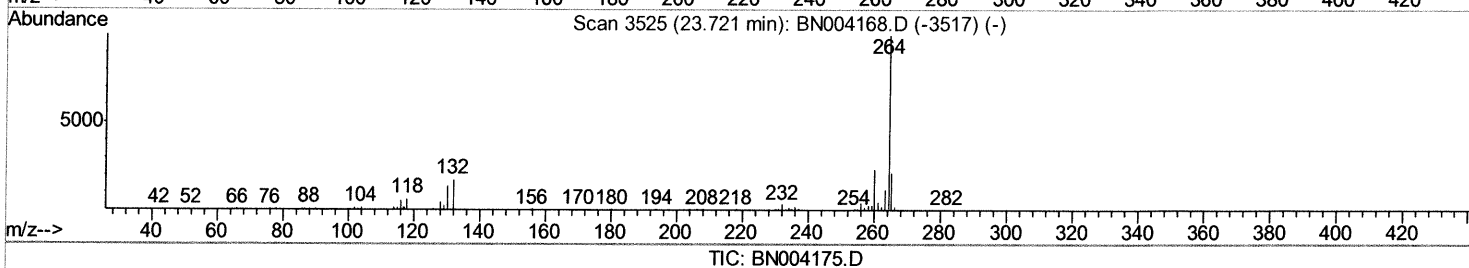
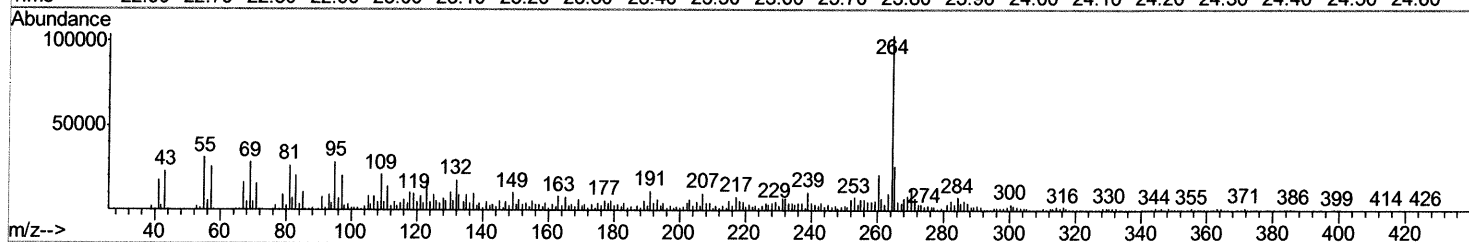
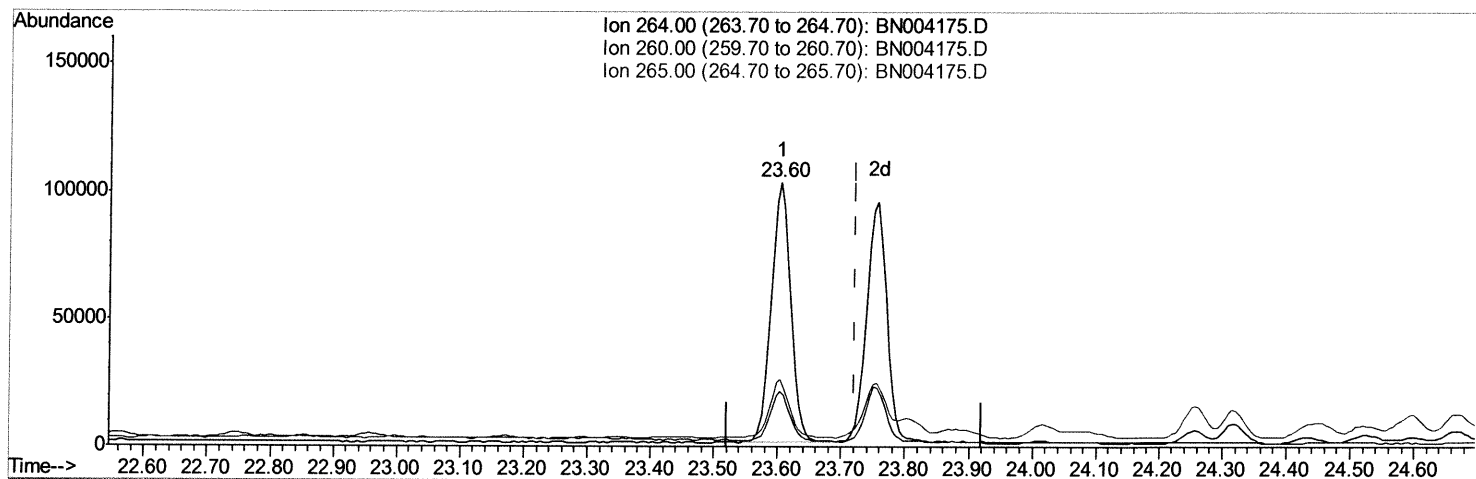
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:01:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(85) Perylene-d12 (I)

23.604min (-0.118) 20.00ng/ul

response 218197

Ion	Exp%	Act%
264.00	100	100
260.00	23.40	20.84
265.00	21.30	25.26
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

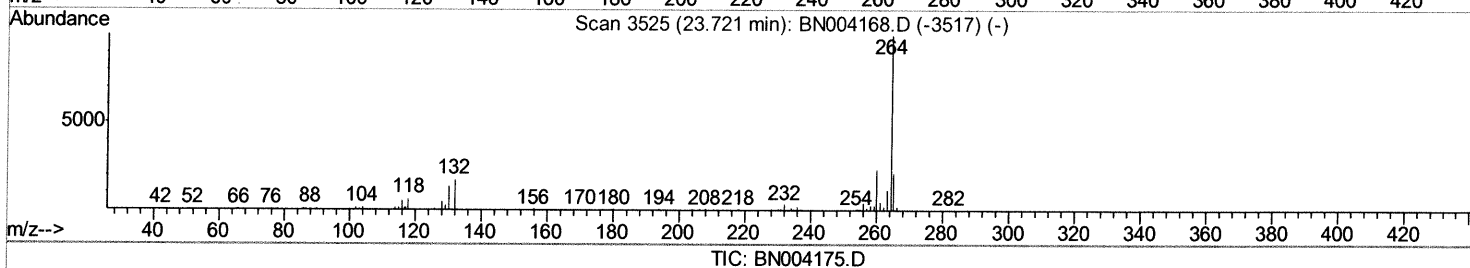
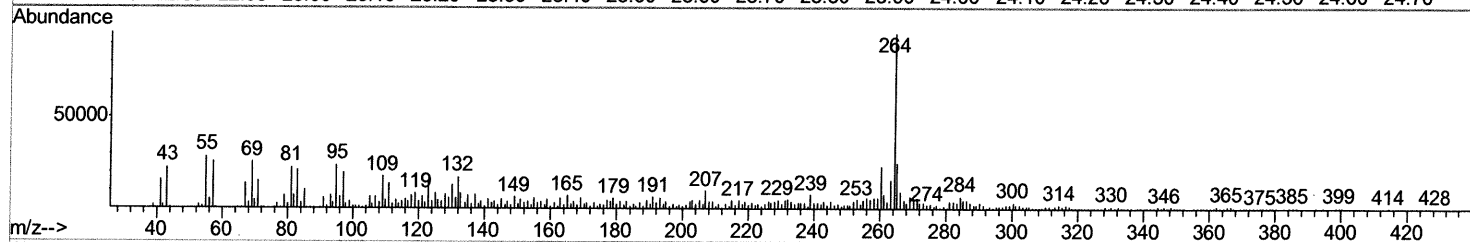
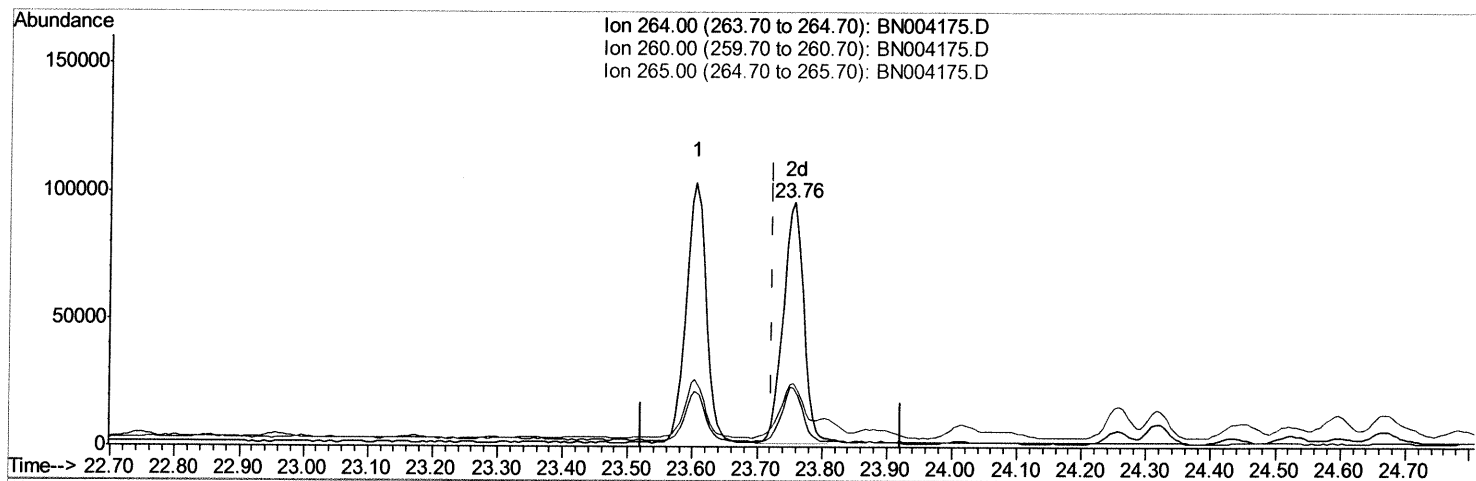
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:01:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



TIC: BN004175.D

(85) Perylene-d12 (I)

23.756min (+0.035) 20.00ng/ul m> SJ 12/17/18

response 208288

Ion	Exp%	Act%
264.00	100	100
260.00	23.40	24.17
265.00	21.30	25.98#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

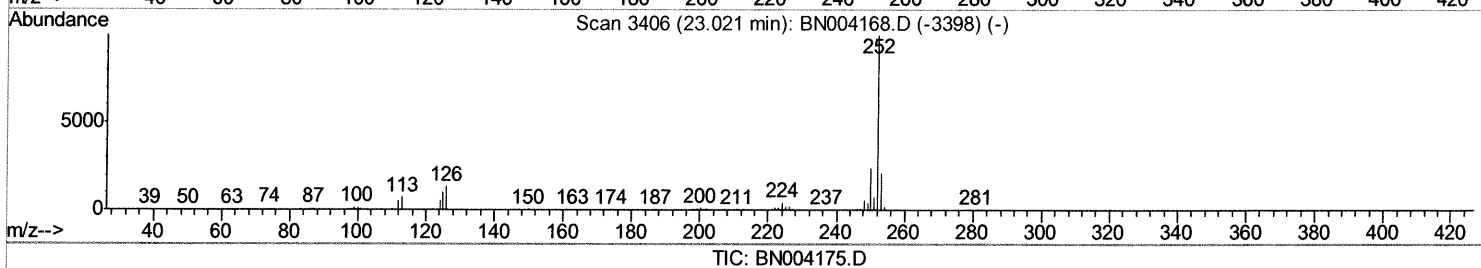
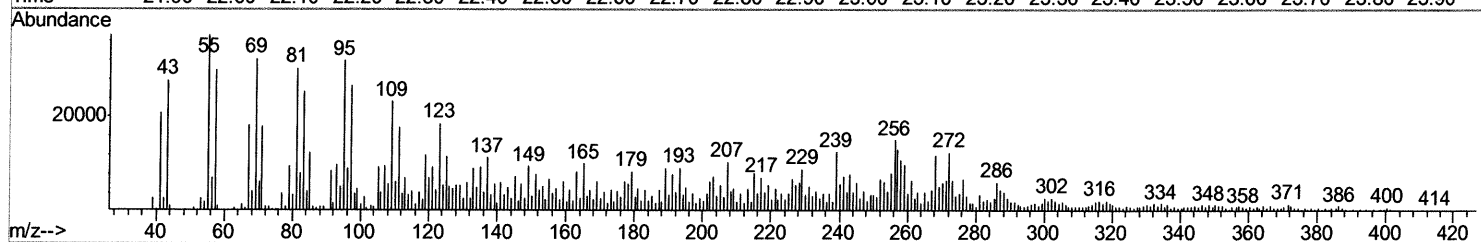
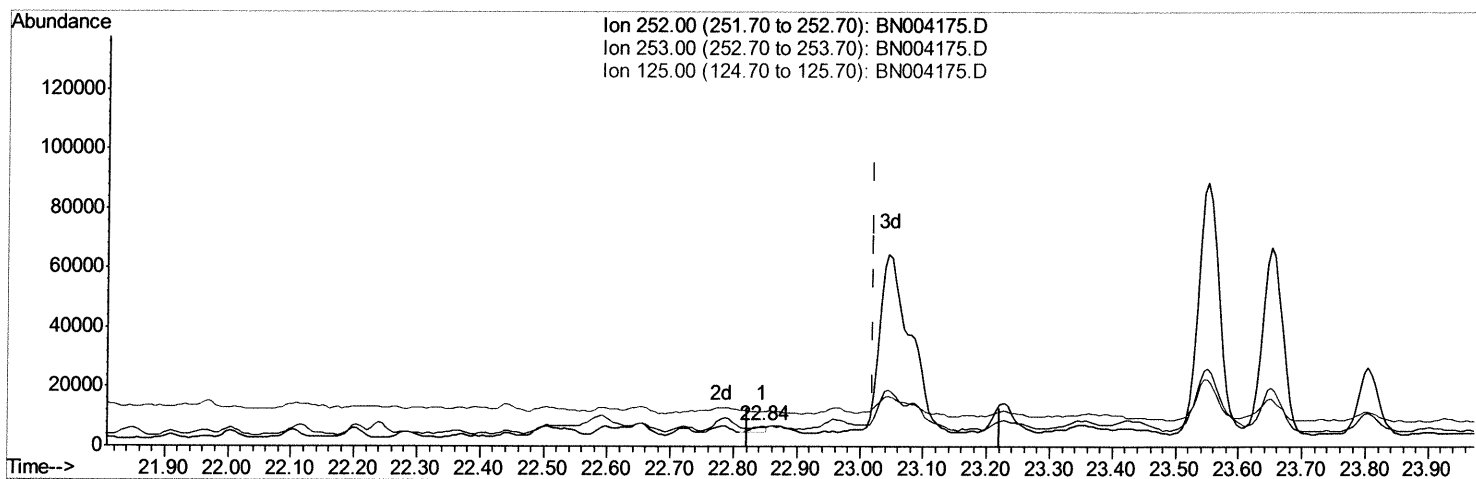
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(87) Benzo(b)fluoranthene

22.845min (-0.177) 0.25ng/ul

response 3112

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	92.42#
125.00	10.30	168.56#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

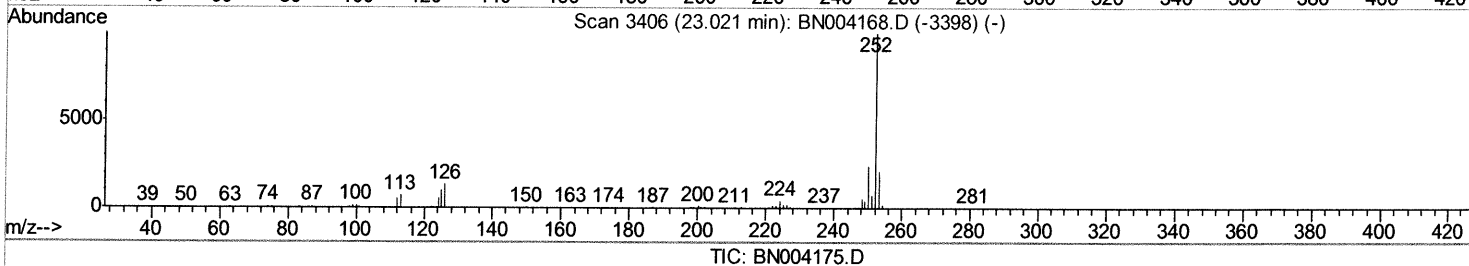
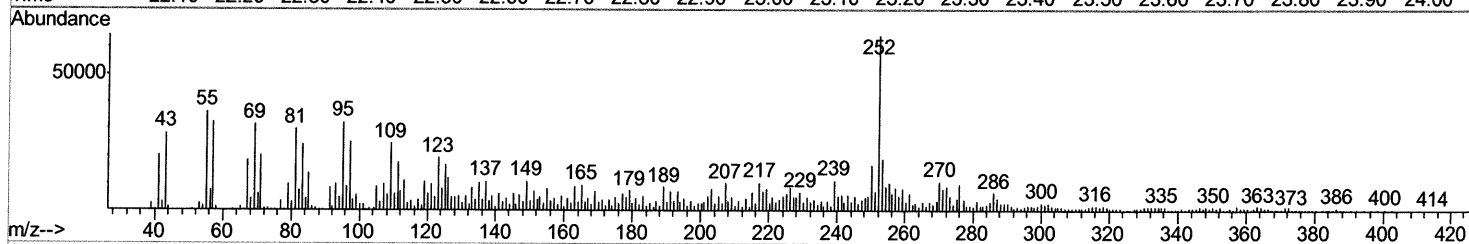
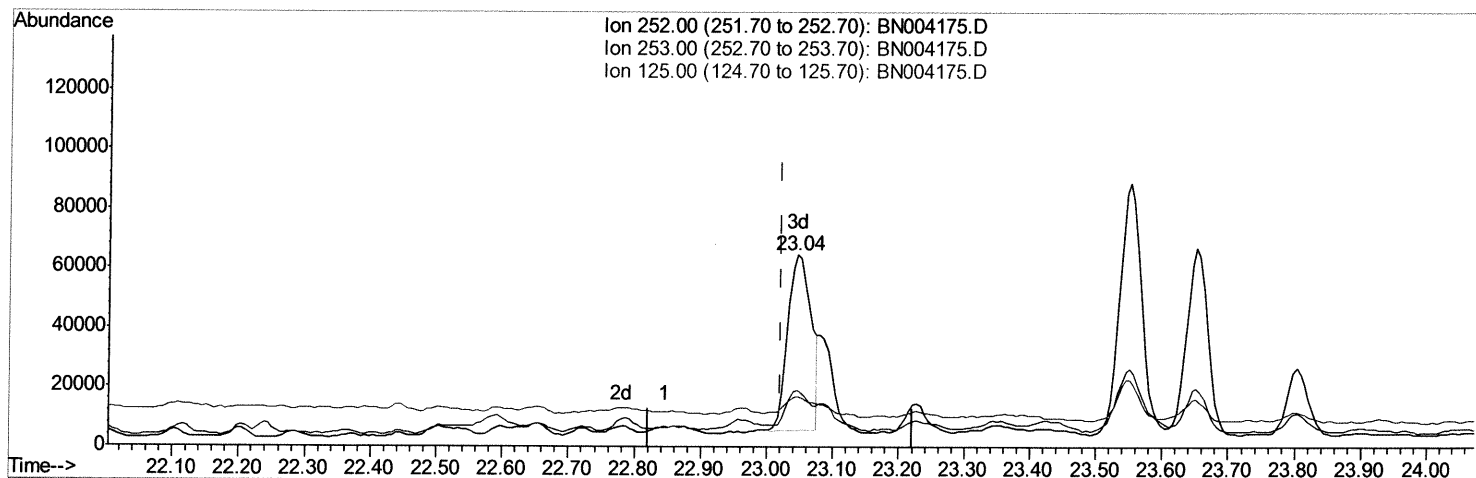
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



TIC: BN004175.D

(87) Benzo(b)fluoranthene

23.045min (+0.023) 11.71ng/ul m > SJ 12/27/18

response 146063

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	29.75#
125.00	10.30	26.16#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

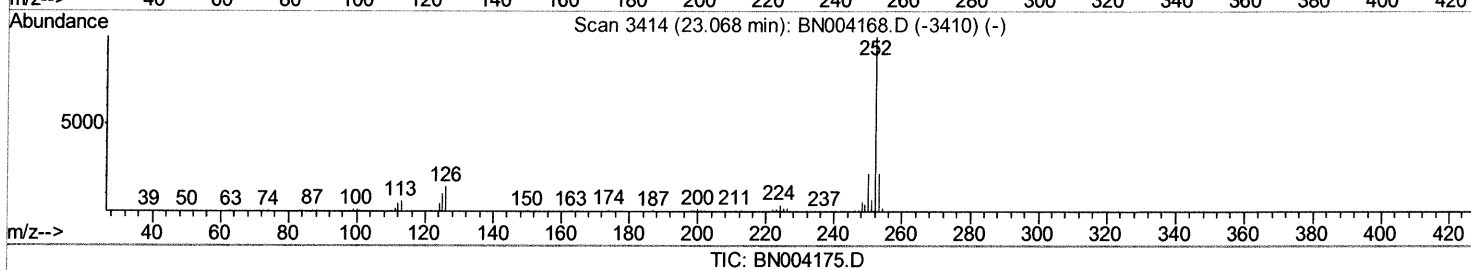
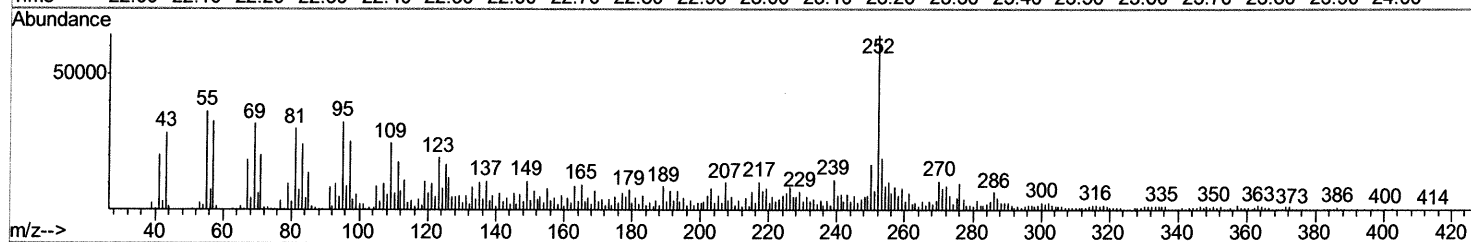
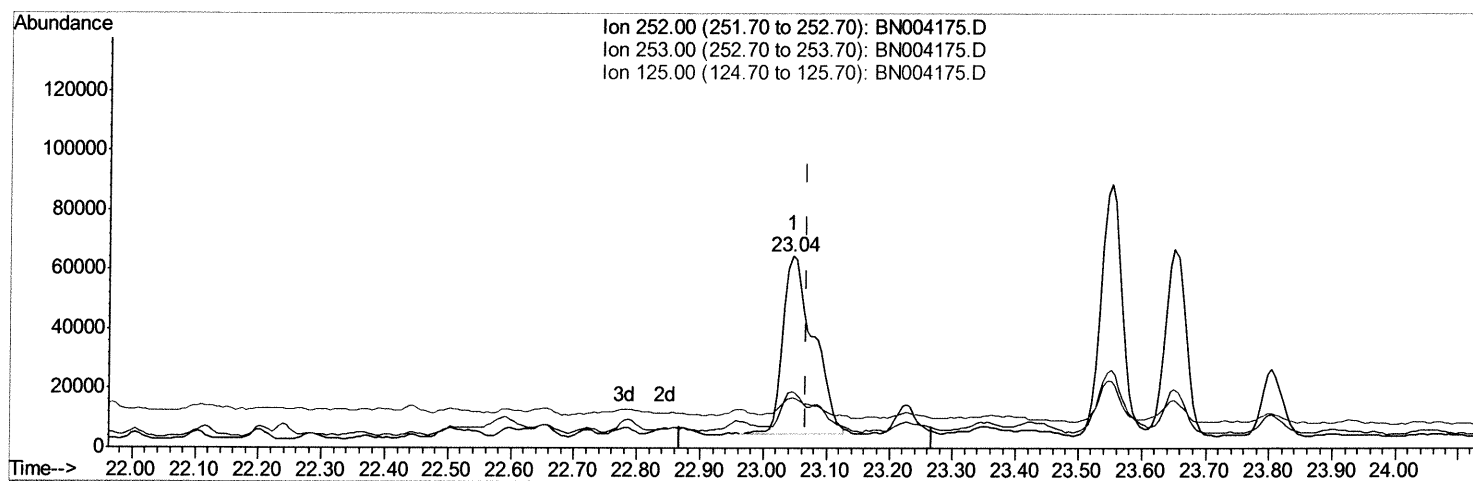
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(88) Benzo(k)fluoranthene

23.045min (-0.024) 17.16ng/ul

response 200503

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	29.75#
125.00	9.90	26.16#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

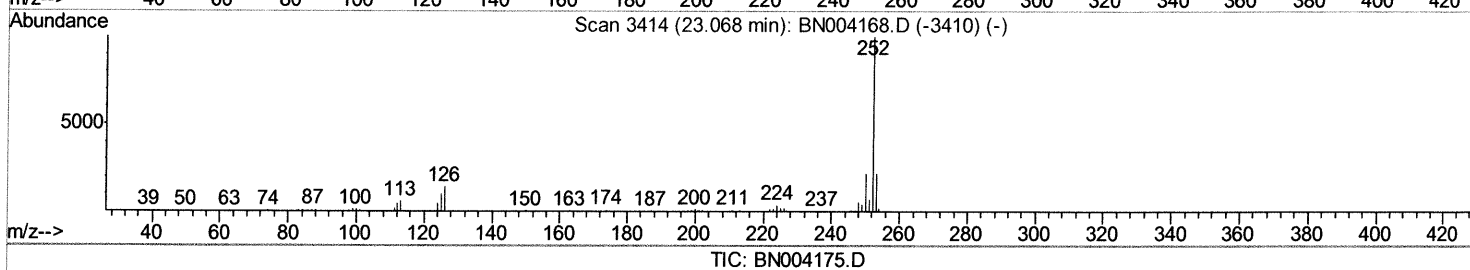
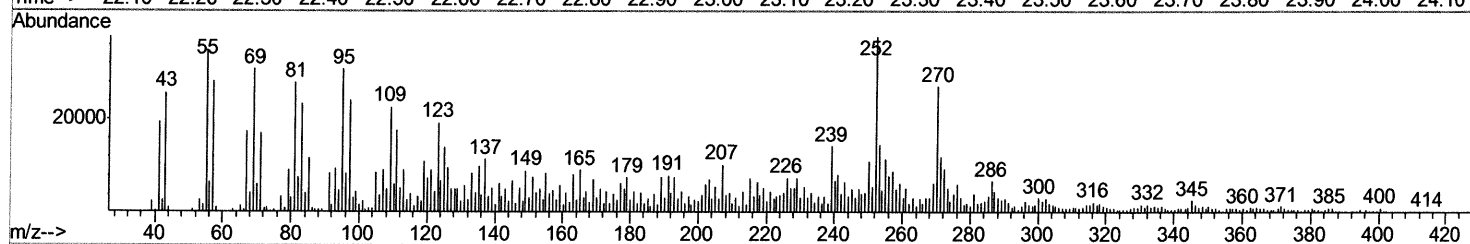
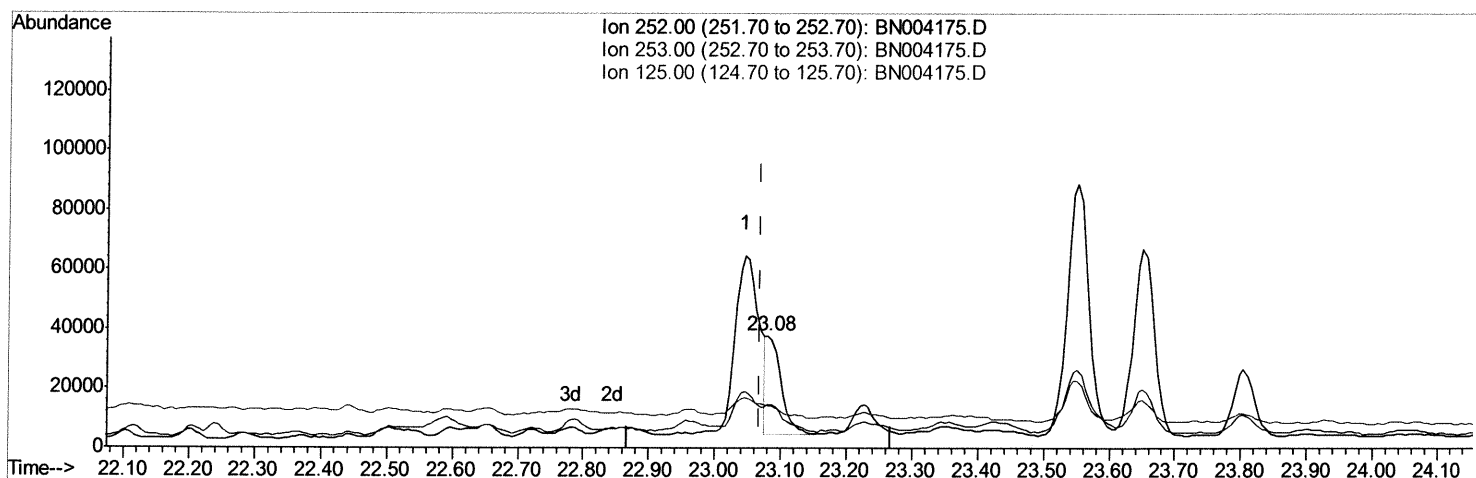
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(88) Benzo(k)fluoranthene

23.080min (+0.012) 4.56ng/ul m> SD 12/17/18

response 53226

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	38.80#
125.00	9.90	37.35#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

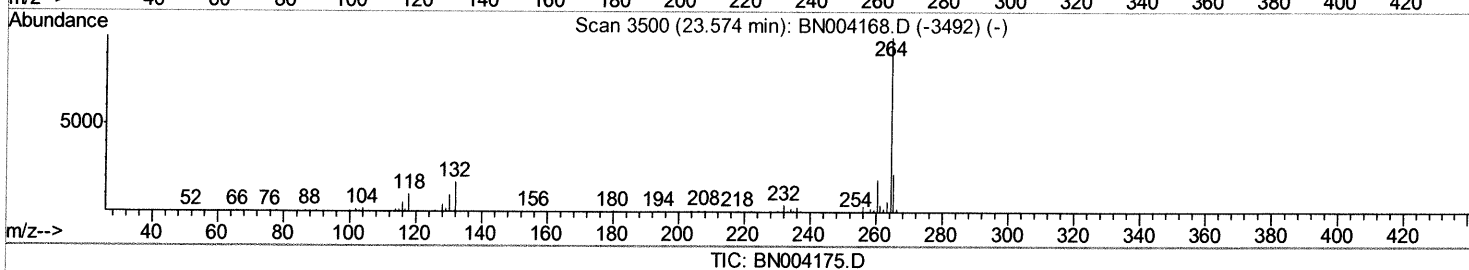
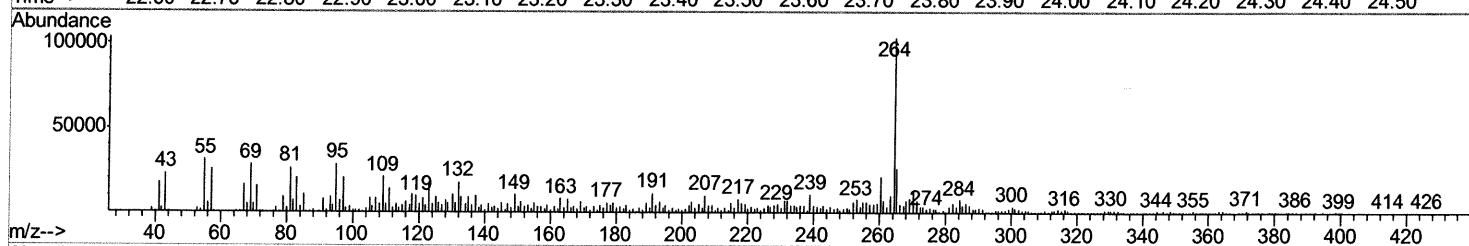
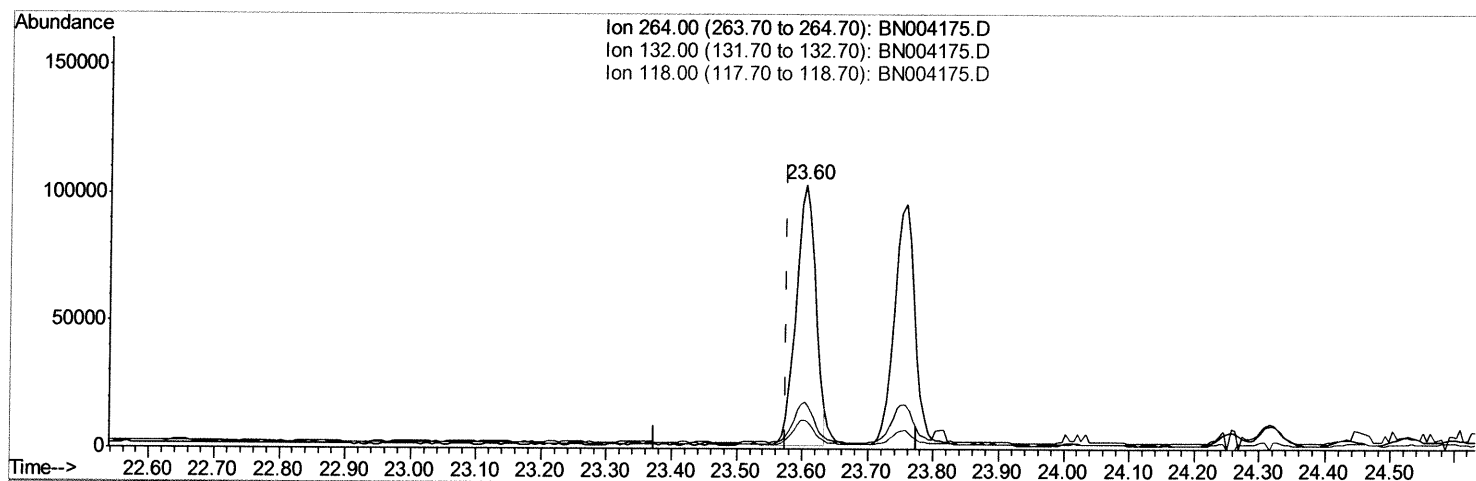
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(89) Benzo(a)pyrene-d12 (S)

23.604min (+0.029) 18.88ng/ul

response 213380

Ion	Exp%	Act%
264.00	100	100
132.00	16.60	17.65
118.00	9.90	10.71
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

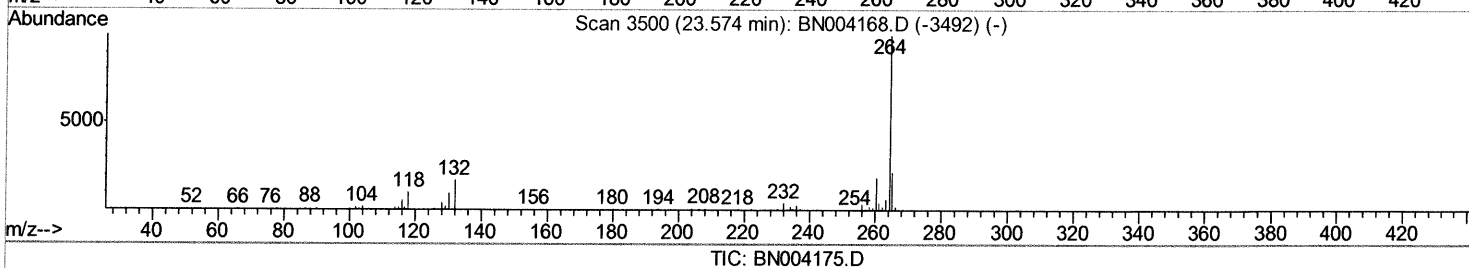
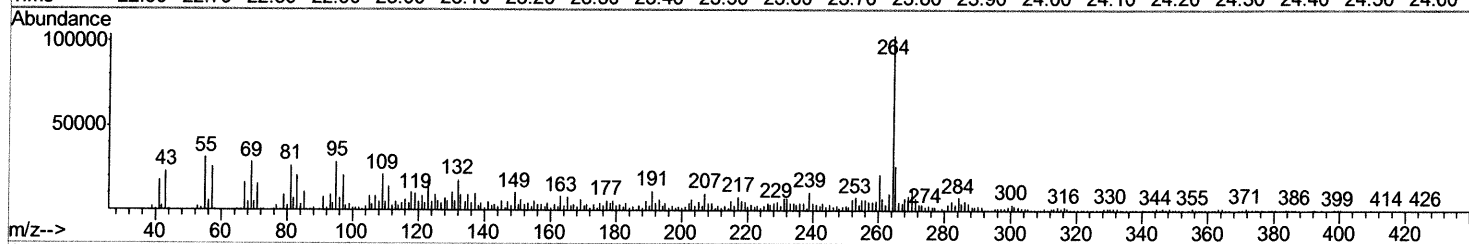
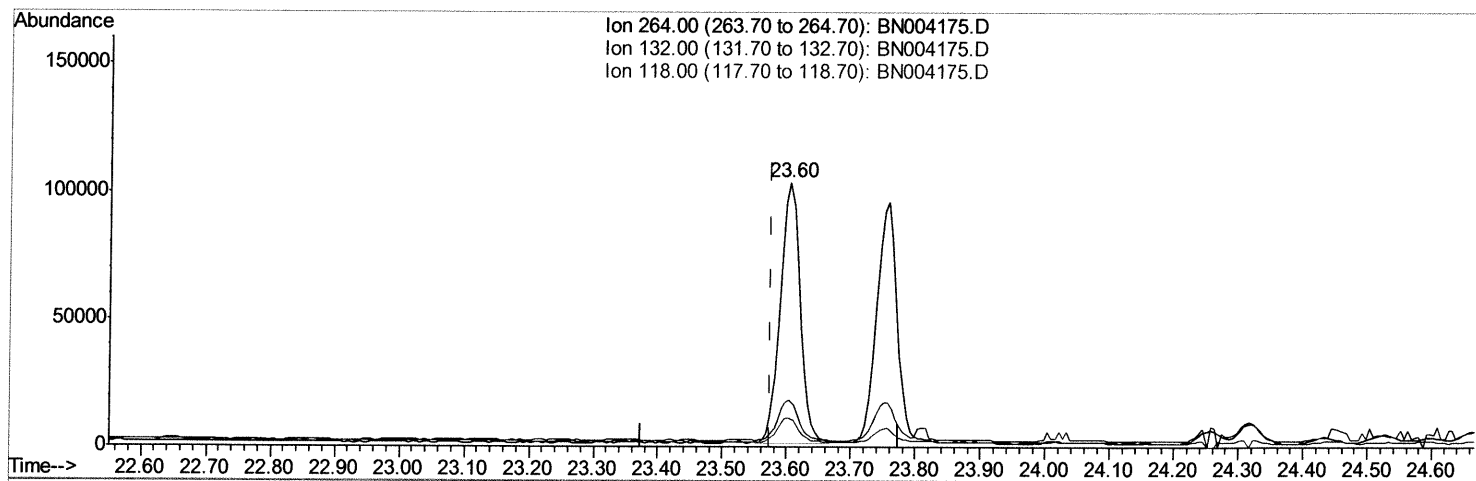
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(89) Benzo(a)pyrene-d12 (S)

23.604min (+0.029) 19.36ng/ul m> SJ 12/27/18

response 218737

Ion	Exp%	Act%
264.00	100	100
132.00	16.60	17.65
118.00	9.90	10.71
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

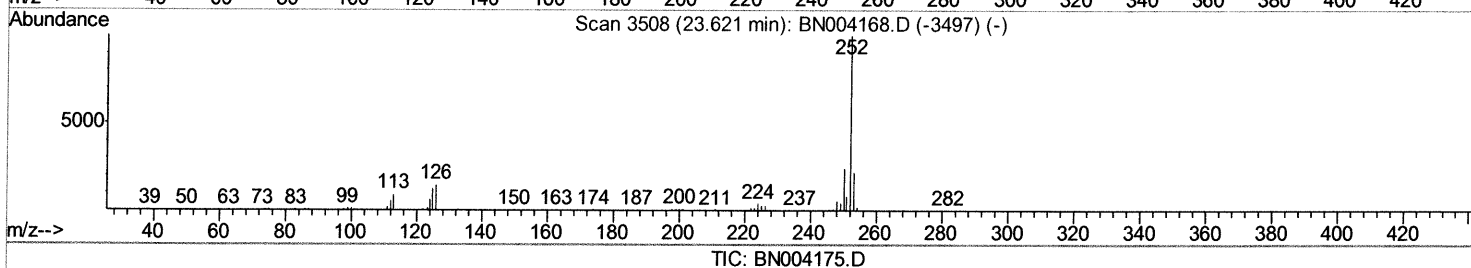
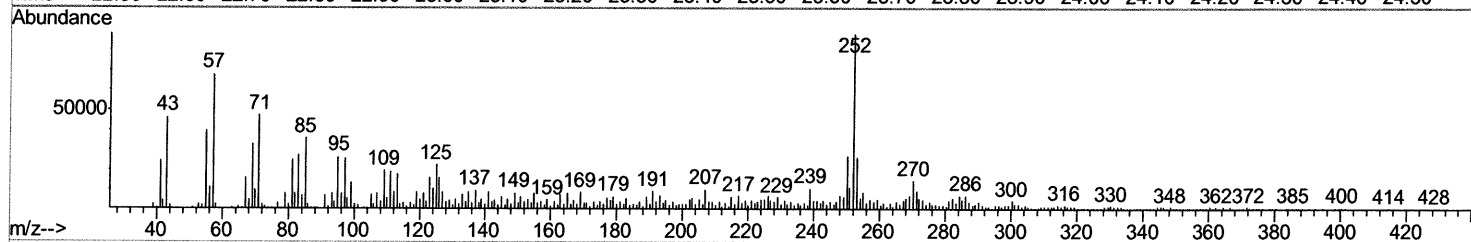
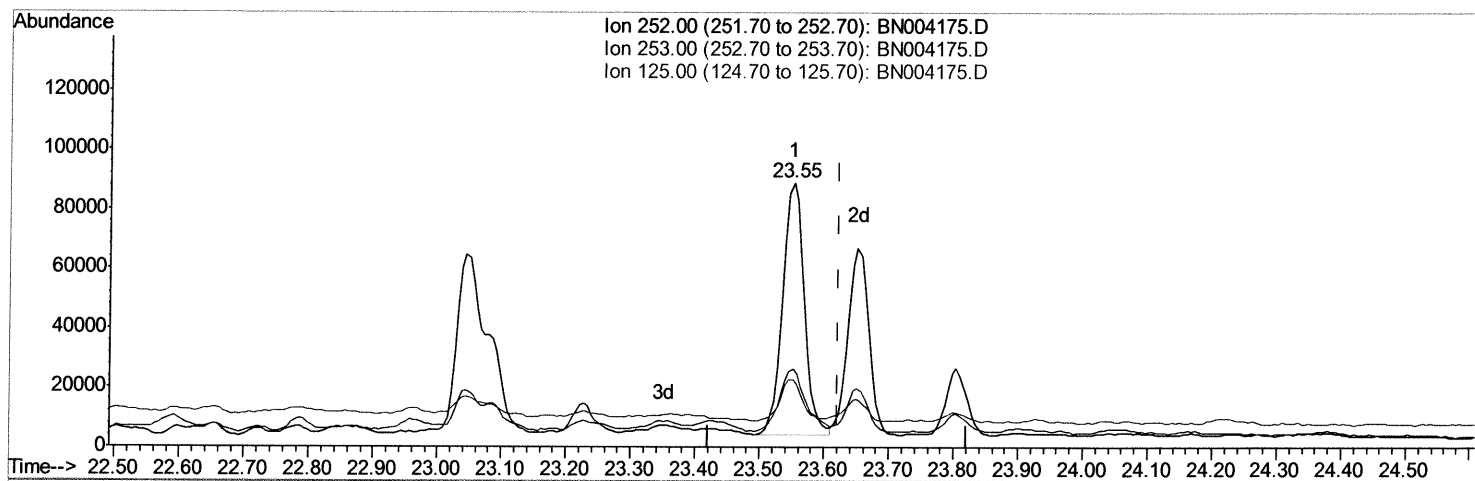
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

23.551min (-0.071) 16.37ng/ul

response 196689

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	29.49#
125.00	11.40	25.41#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

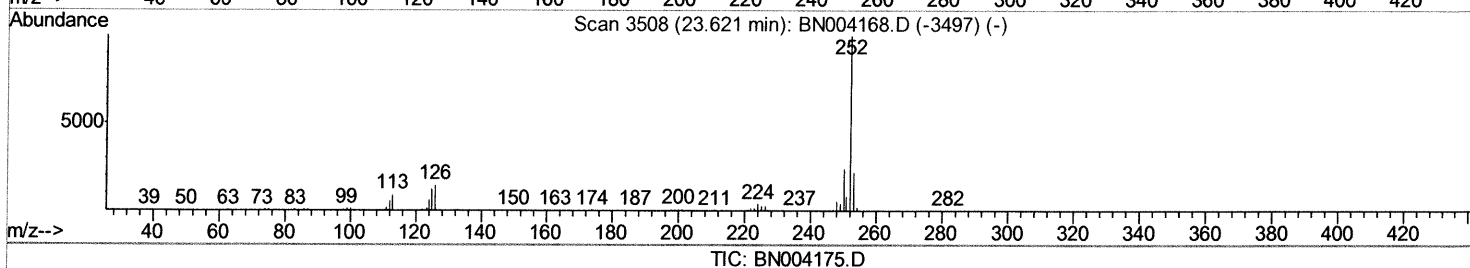
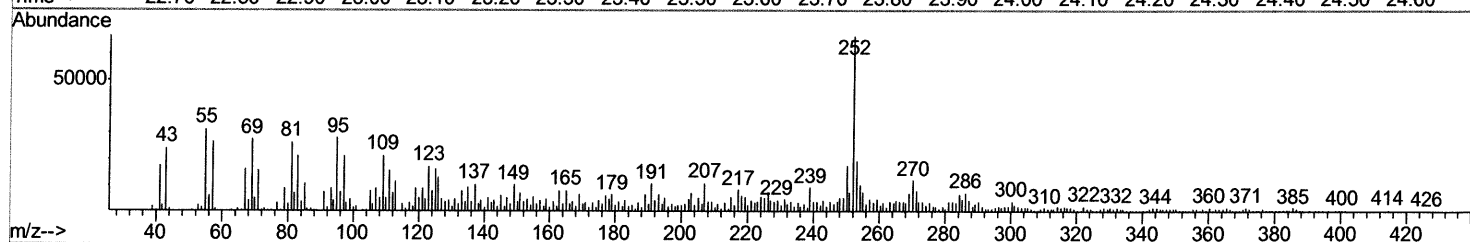
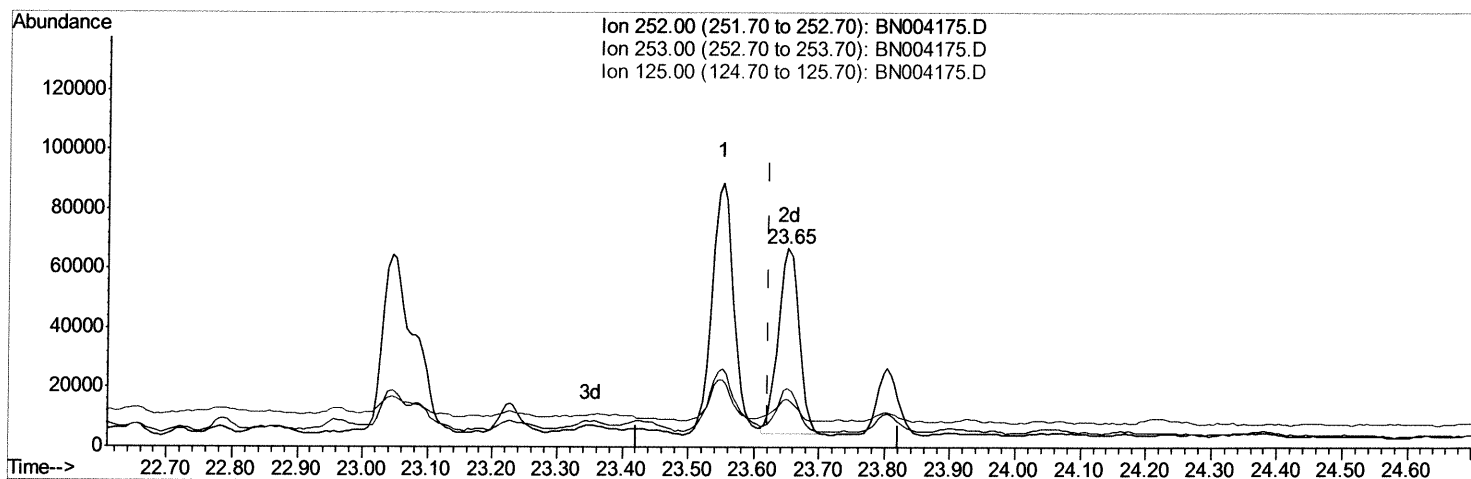
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

23.651min (+0.029) 11.52ng/ul m> SD 12/27/18

response 138444

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	29.40#
125.00	11.40	24.16#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

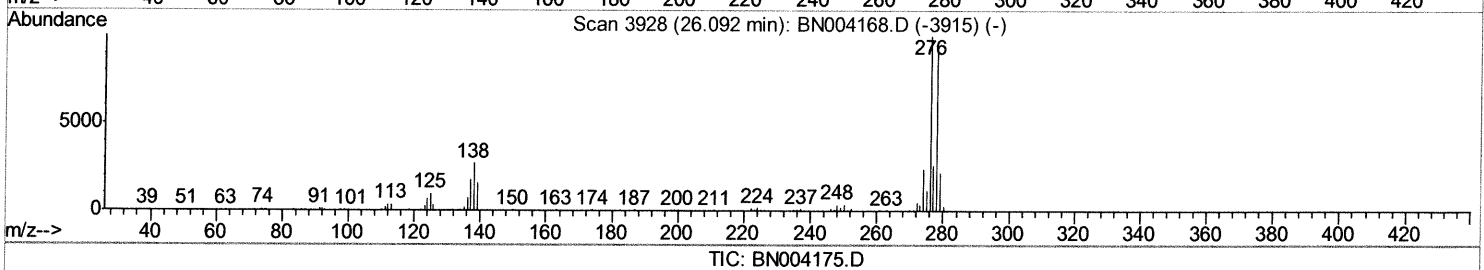
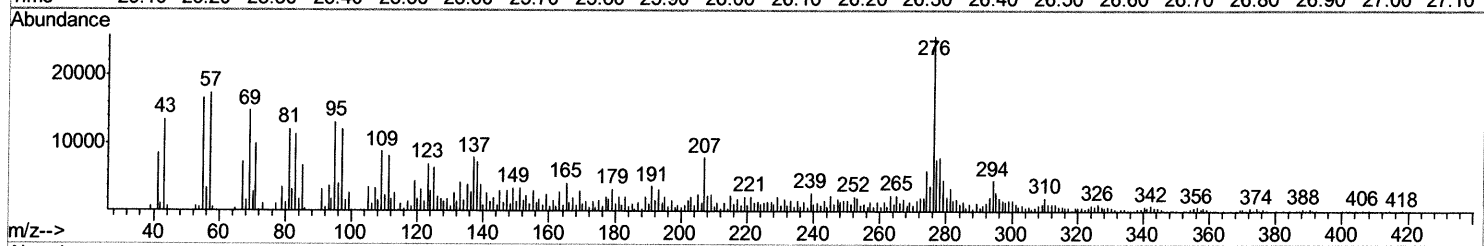
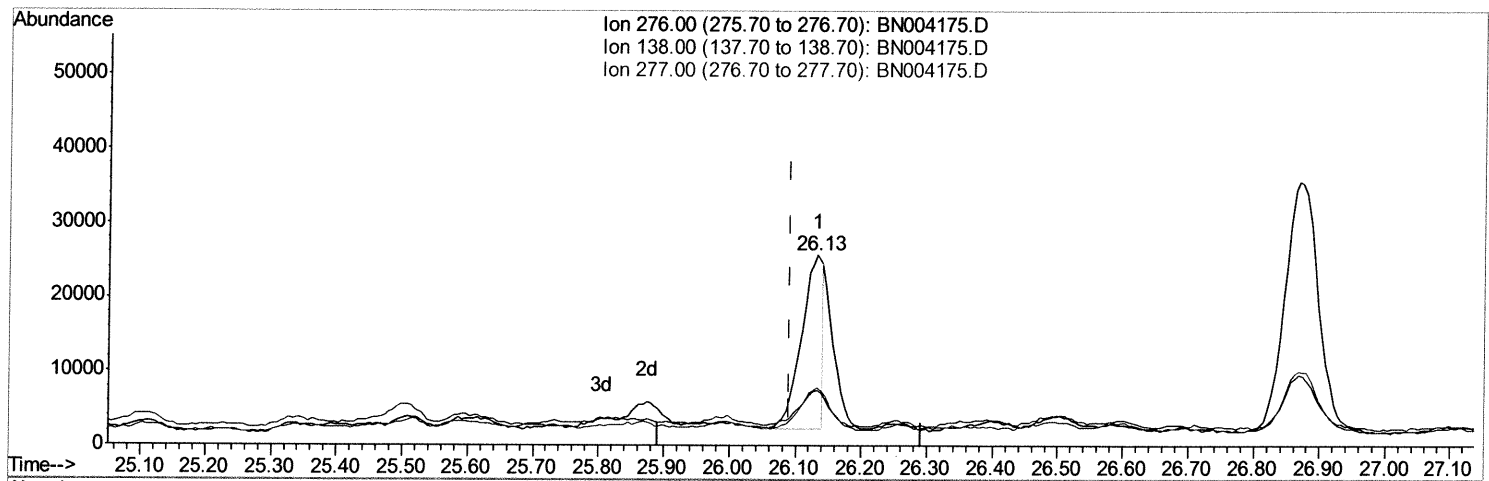
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(91) Indeno(1,2,3-cd)pyrene

26.133min (+0.041) 3.27ng/ul

response 51141

Ion	Exp%	Act%
276.00	100	100
138.00	25.50	28.74
277.00	25.70	30.01
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

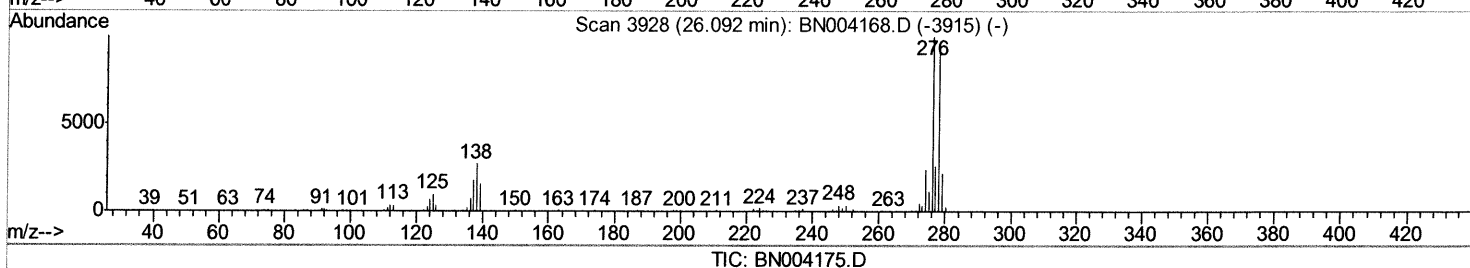
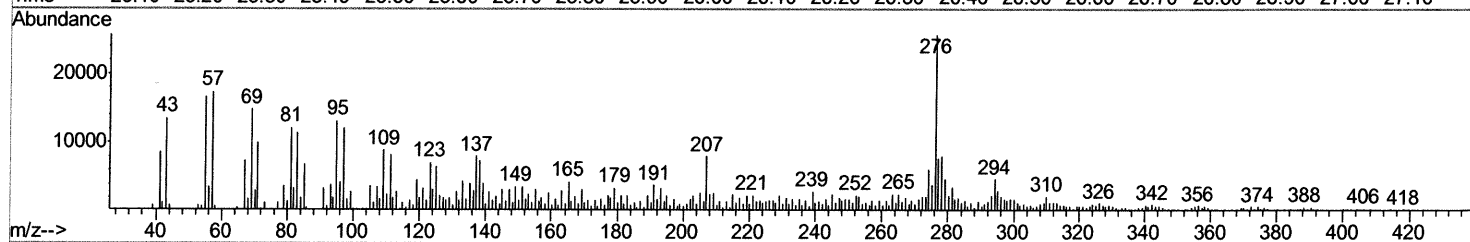
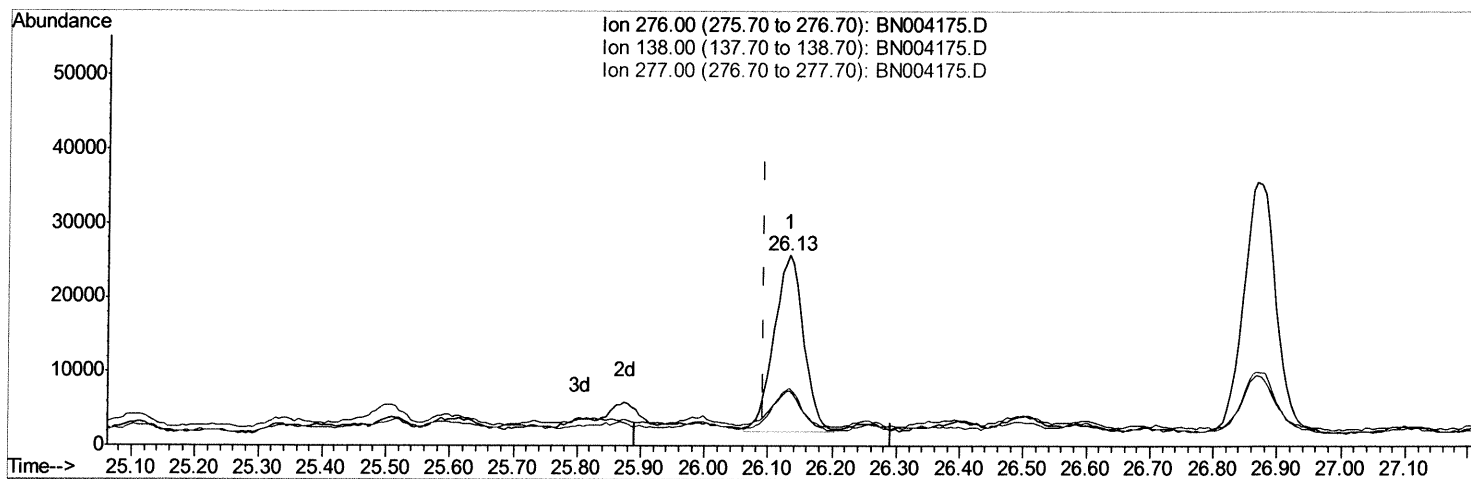
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(91) Indeno(1,2,3-cd)pyrene

26.133min (+0.041) 4.91ng/ul m> 52 12/27/18

response 76926

Ion	Exp%	Act%
276.00	100	100
138.00	25.50	28.74
277.00	25.70	30.01
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

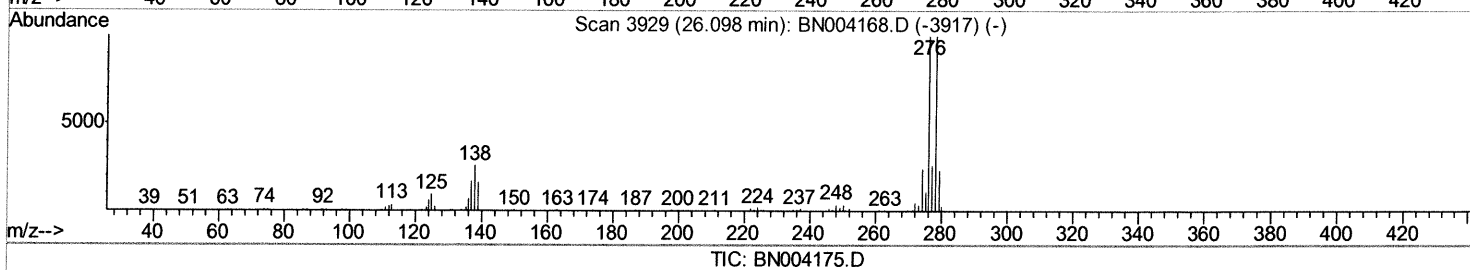
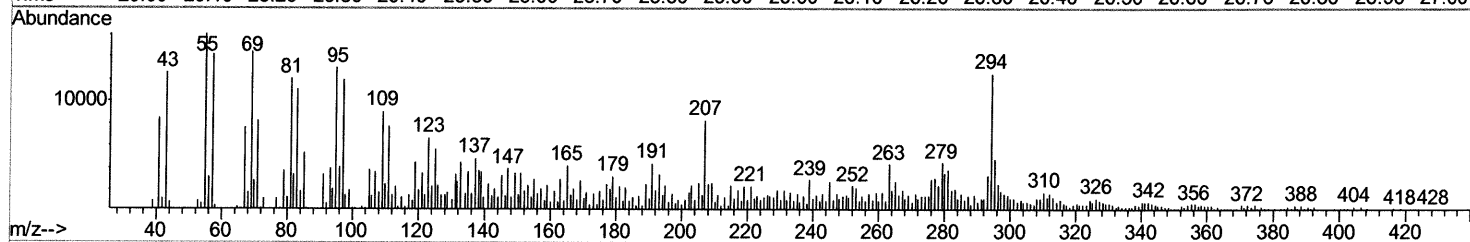
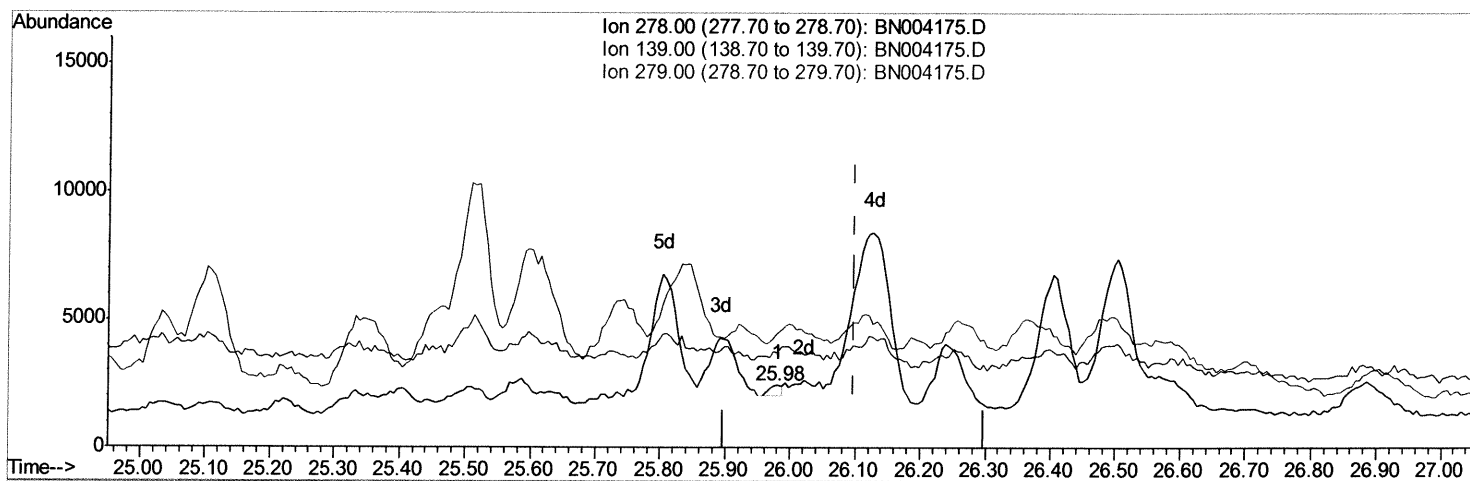
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

25.980min (-0.118) 0.05ng/ul

response 593

Ion	Exp%	Act%
278.00	100	100
139.00	16.60	152.02#
279.00	23.80	184.36#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

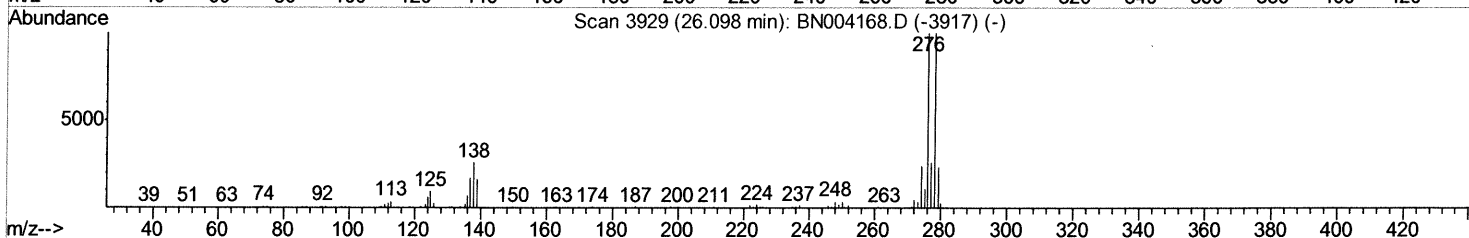
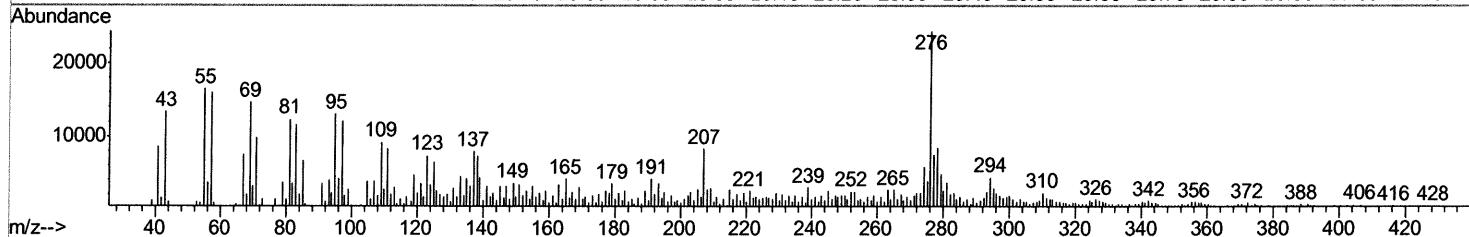
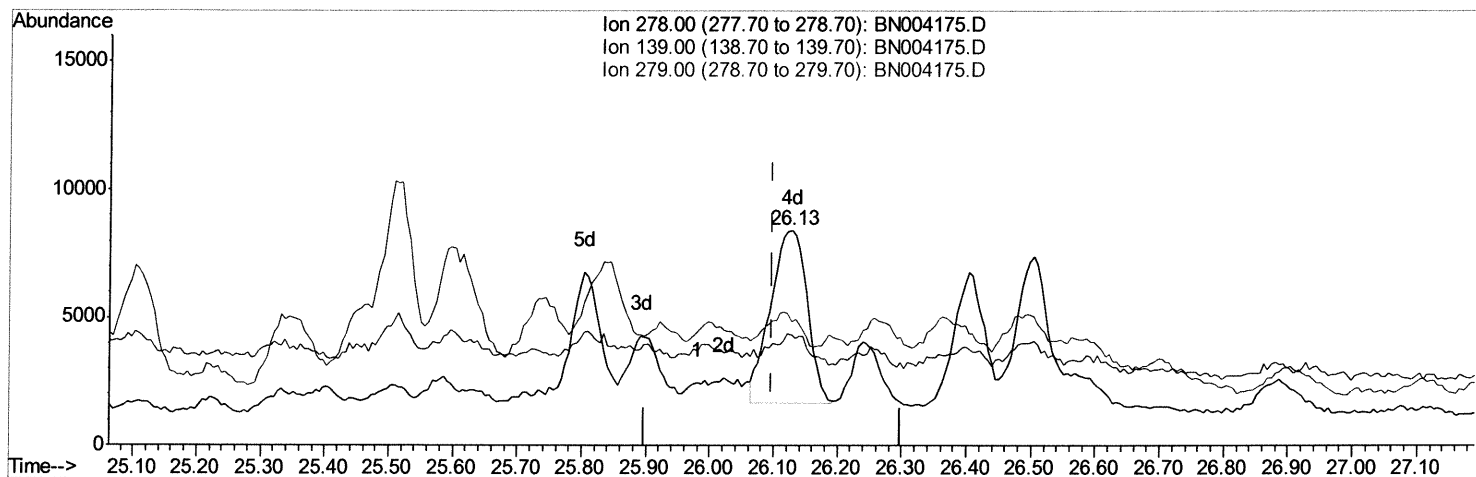
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



TIC: BN004175.D

(92) Dibenzo(a,h)anthracene

26.127min (+0.029) 2.10ng/ul m> SJ 12/27/18

response 27294

Ion	Exp%	Act%
278.00	100	100
139.00	16.60	51.18#
279.00	23.80	57.56#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

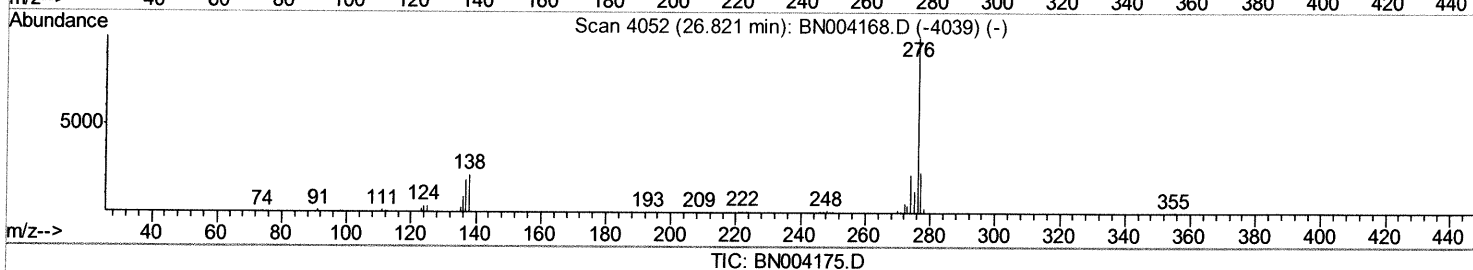
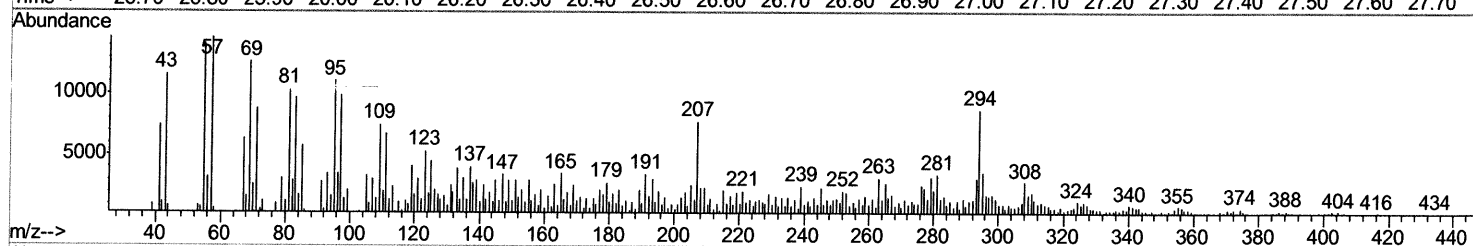
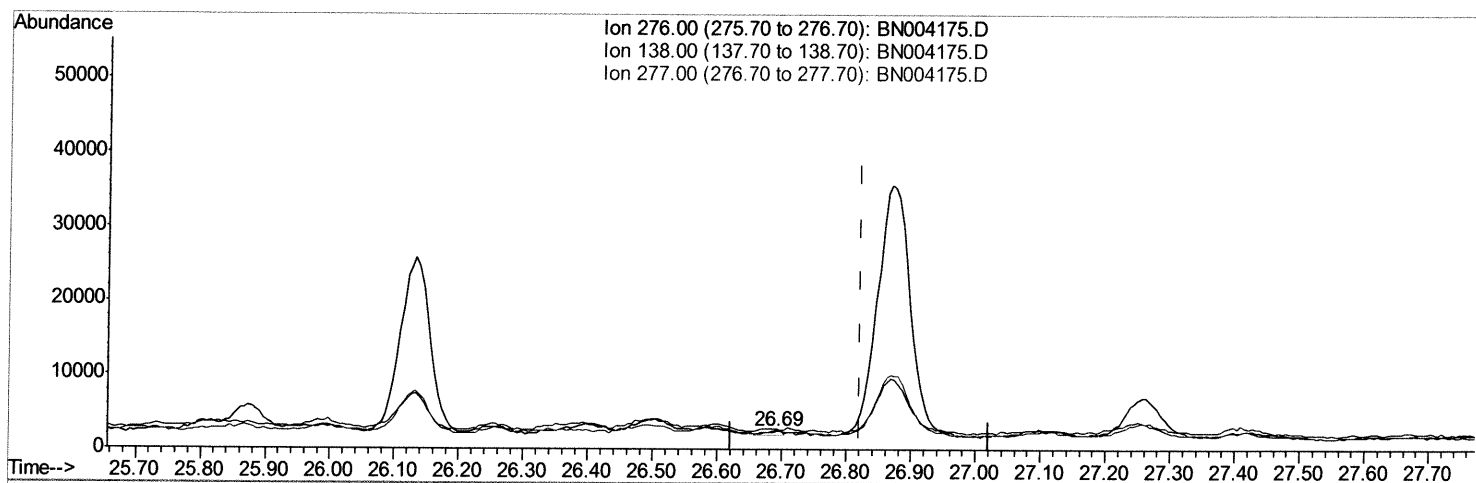
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(93) Benzo(g,h,i)perylene

26.692min (-0.130) 0.06ng/ul

response 783

Ion	Exp%	Act%
276.00	100	100
138.00	22.80	109.90#
277.00	23.80	95.17#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (Qedit)

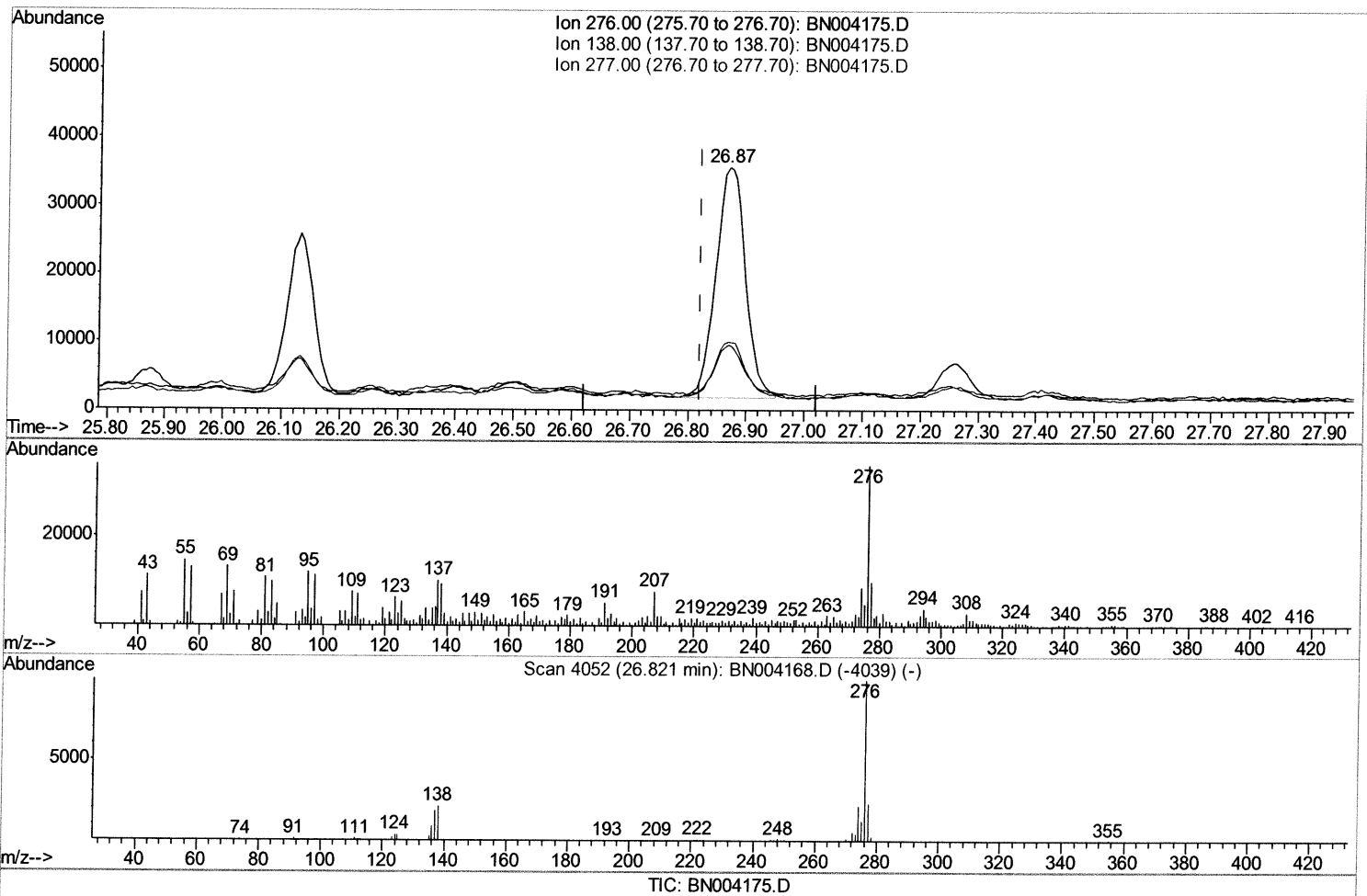
Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:42:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration



(93) Benzo(g,h,i)perylene

26.868min (+0.047) 9.11ng/ul m> SD 12/27/18

response 119436

Ion	Exp%	Act%
276.00	100	100
138.00	22.80	27.01
277.00	23.80	28.17
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Quantitation Report (QT Reviewed)

Data File : BN004175.D
Acq On : 21 Dec 2018 23:59
Operator : JU/SJ
Sample : J6476-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
C5AA5

Manual Integrations
APPROVED

Sohil
12/26/2018 3:22:44 PM

Quant Time: Dec 22 05:46:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	45692	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	199750	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	112232	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	235591	20.00	ng/ul	0.00
77) Chrysene-d12	21.42	240	203922	20.00	ng/ul	0.01
85) Perylene-d12	23.76	264	208288m	20.00	ng/ul	0.04

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	2253	3.23	ng/uL	0.00
5) Phenol-d5	6.99	99	63012	14.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	41298	16.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	55086	15.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	32788	8.71	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	29980	18.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	30119	16.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	47061	14.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	51357	16.69	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	179784	17.95	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	235226	19.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	464	0.22	ng/ul	-0.01
57) Fluorene-d10	15.46	176	159514	18.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	1609	0.95	ng/ul	0.01
70) Anthracene-d10	17.31	188	235883	19.81	ng/ul	0.00
78) Pyrene-d10	19.62	212	235846	25.85	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.60	264	218737m	19.36	ng/ul	0.03

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Target Compounds

					Qvalue	
6) Phenol	7.02	94	9989	2.203	ng/ul	96
28) Naphthalene	10.67	128	31053	2.898	ng/ul	98
34) 2-Methylnaphthalene	12.28	142	13800	1.710	ng/ul	93
44) Dimethylphthalate	13.91	163	51720	5.288	ng/ul	97
47) Acenaphthylene	14.19	152	15008	1.325	ng/ul#	84
69) Phenanthrene	17.26	178	97874	7.190	ng/ul#	92
71) Anthracene	17.35	178	28232	2.023	ng/ul#	83
76) Fluoranthene	19.28	202	195053	11.690	ng/ul	99
79) Pyrene	19.65	202	621465	54.550	ng/ul	98
82) Benzo(a)anthracene	21.40	228	150624	11.845	ng/ul#	70
84) Chrysene	21.45	228	222959	18.719	ng/ul#	82
87) Benzo(b)fluoranthene	23.04	252	146063m	11.707	ng/ul	
88) Benzo(k)fluoranthene	23.08	252	53226m	4.556	ng/ul	
90) Benzo(a)pyrene	23.65	252	138444m	11.522	ng/ul	
91) Indeno(1,2,3-cd)pyrene	26.13	276	76926m	4.911	ng/ul	
92) Dibenzo(a,h)anthracene	26.13	278	27294m	2.096	ng/ul	
93) Benzo(g,h,i)perylene	26.87	276	119436m	9.110	ng/ul	

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