

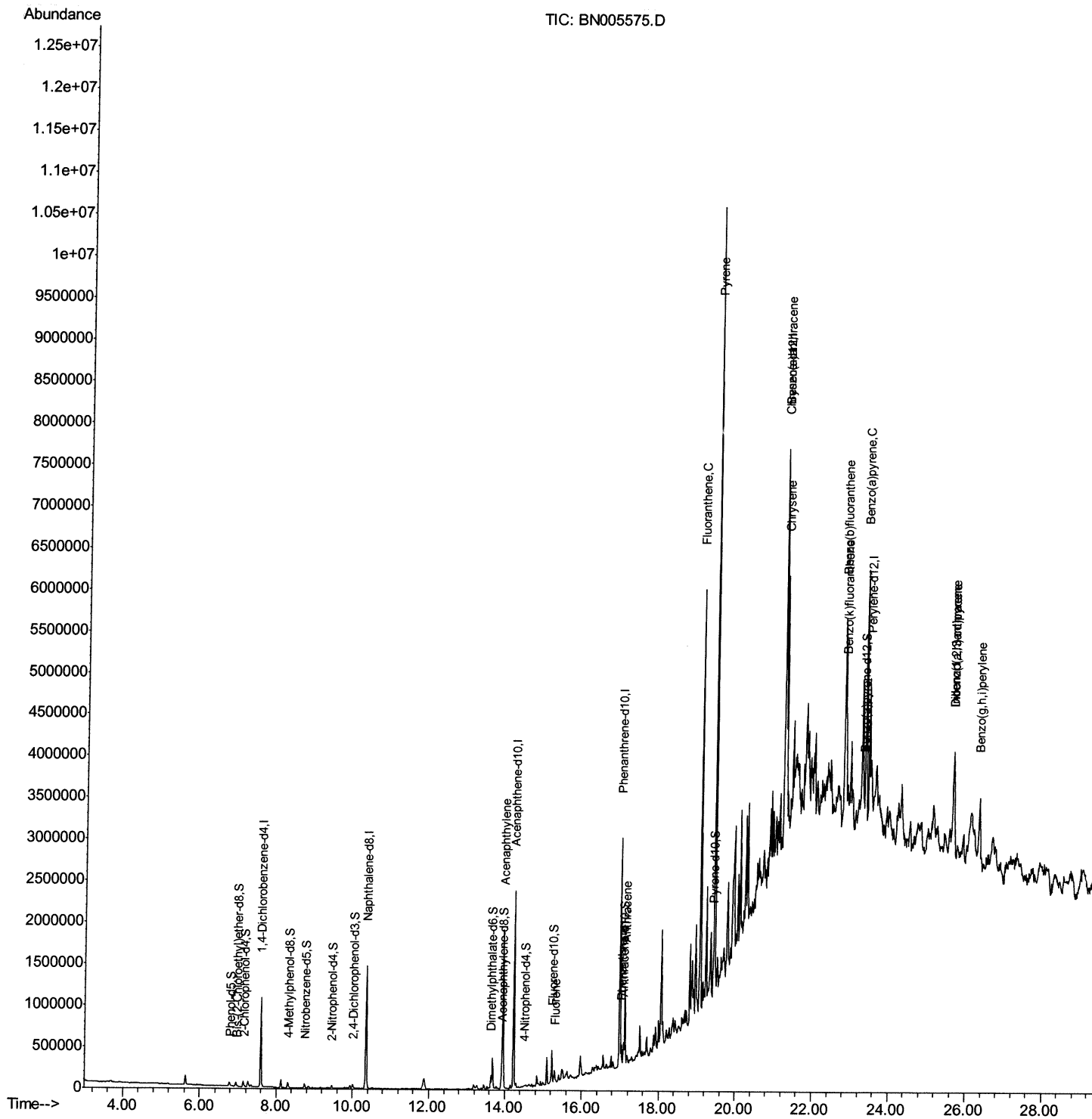
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ90

Manual Integrations
APPROVED

Sohil
5/10/2019 1:19:39 PM

Quant Time: May 10 01:59:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

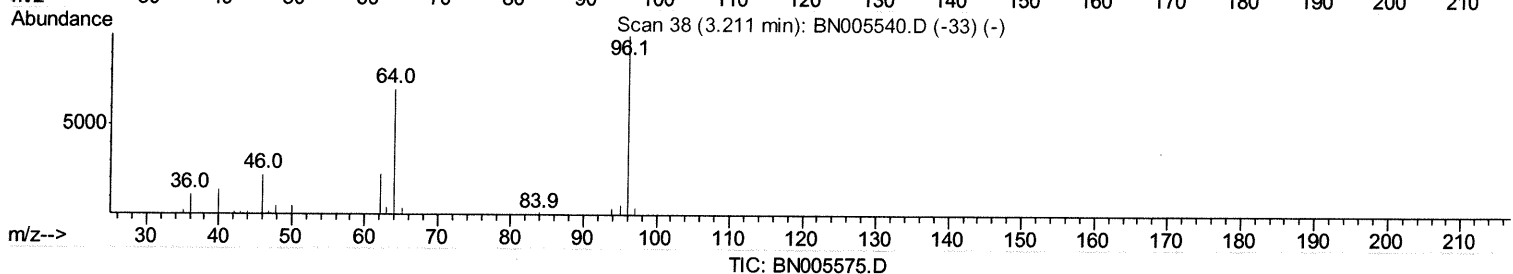
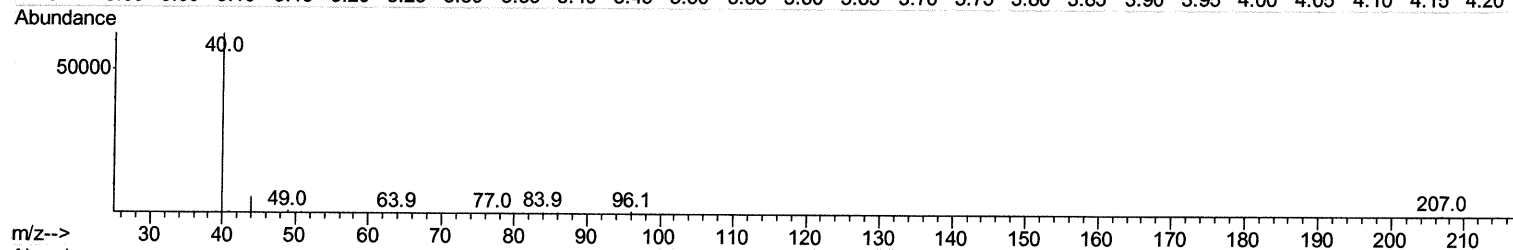
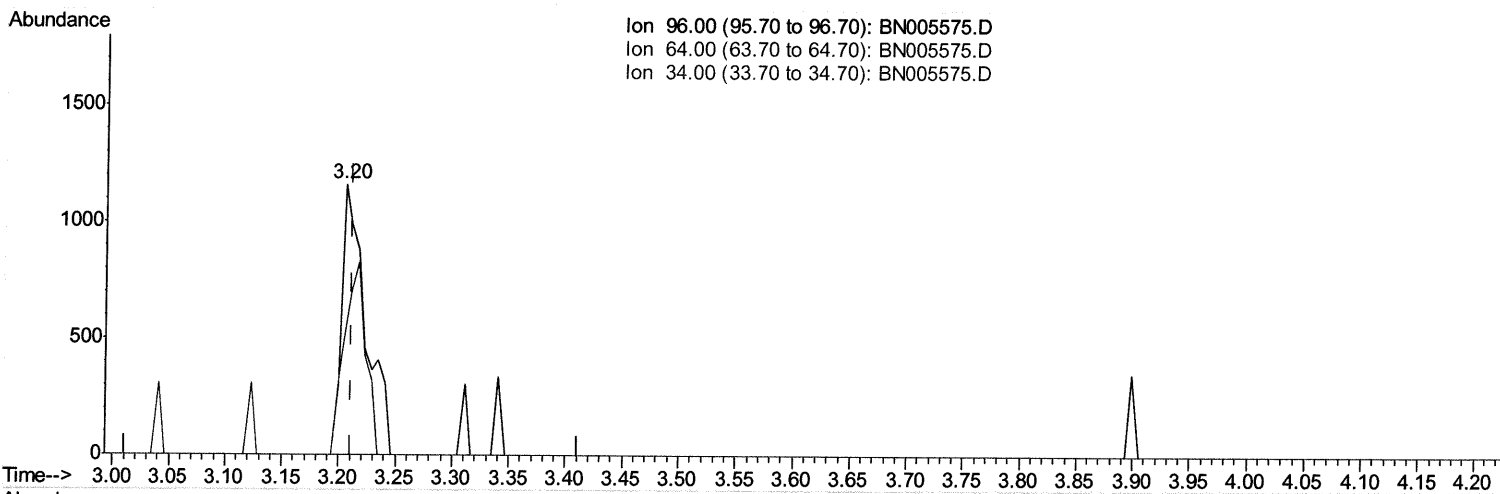
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

Sohil
5/10/2019 1:19:39 PM

Quant Time: May 10 01:21:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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TIC: BN005575.D

(3) 1,4-Dioxane-d8 (S)

3.205min (-0.006) 0.24ng/uL

response 1461

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	44.94#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

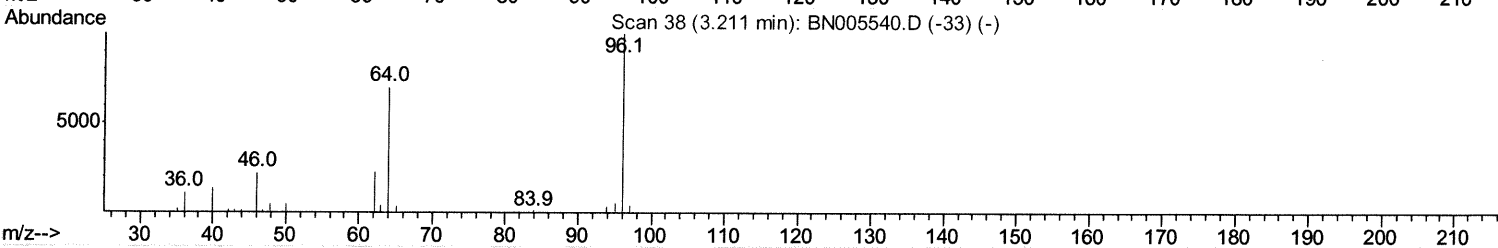
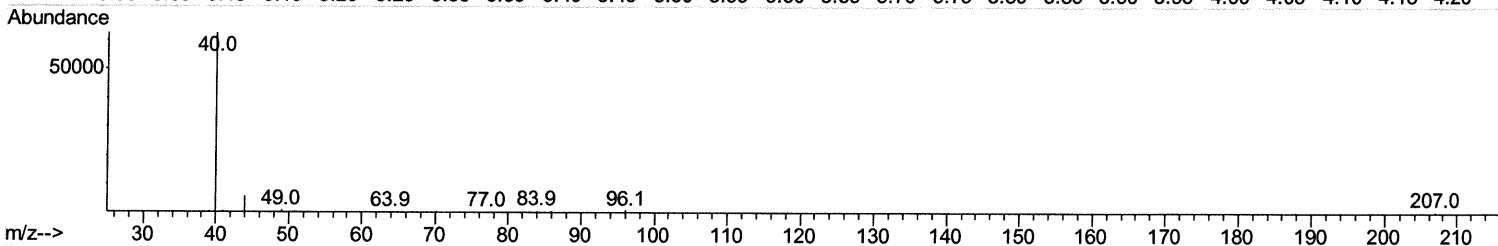
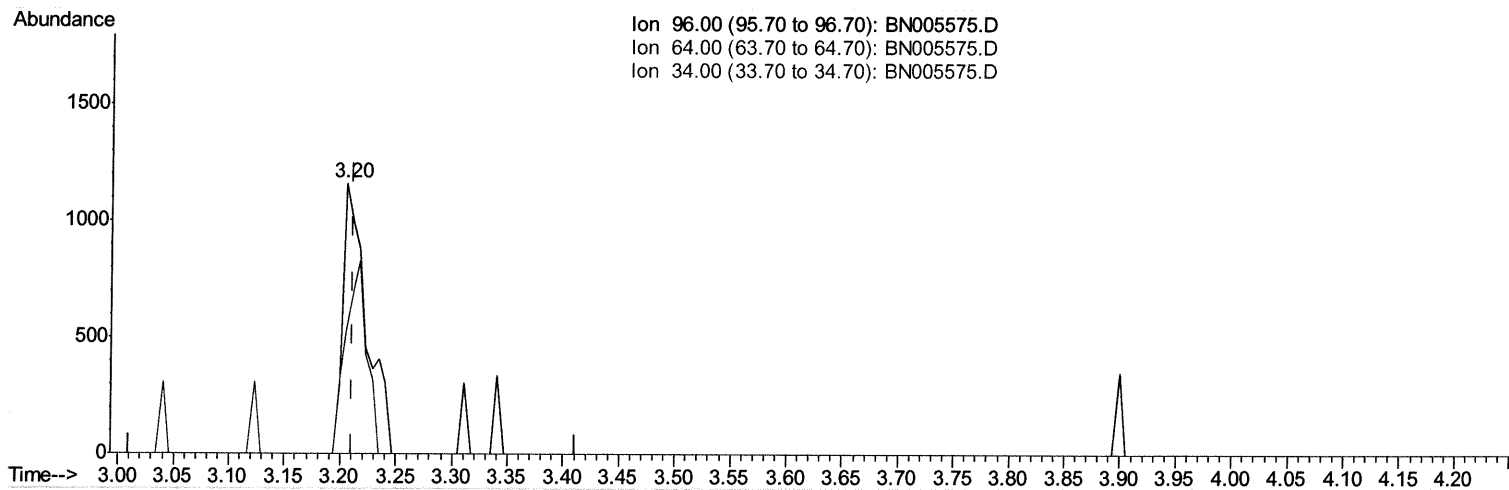
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:39 PM

Quant Time: May 10 01:21:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration



TIC: BN005575.D

(3) 1,4-Dioxane-d8 (S)

3.205min (-0.006) 0.28ng/uL m 8505712/19

response 1712

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	44.94#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

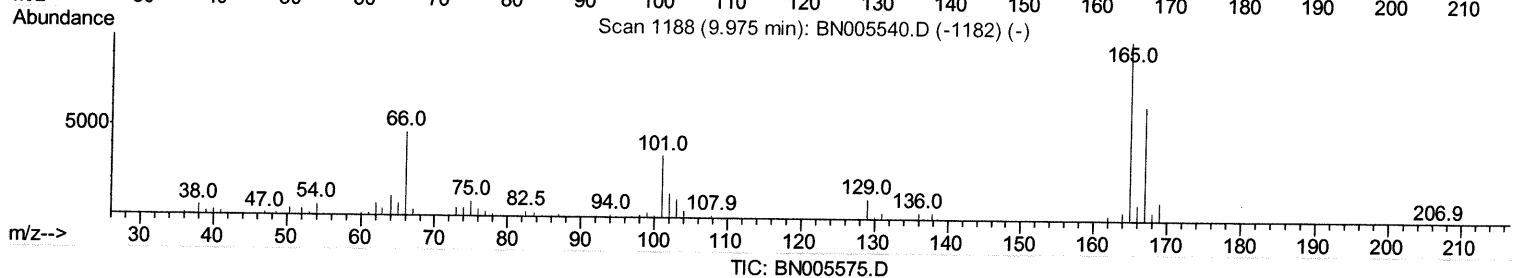
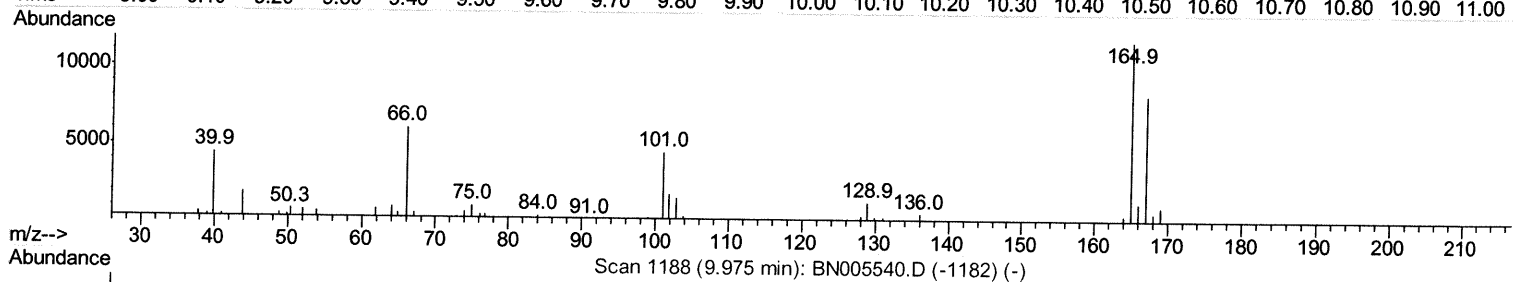
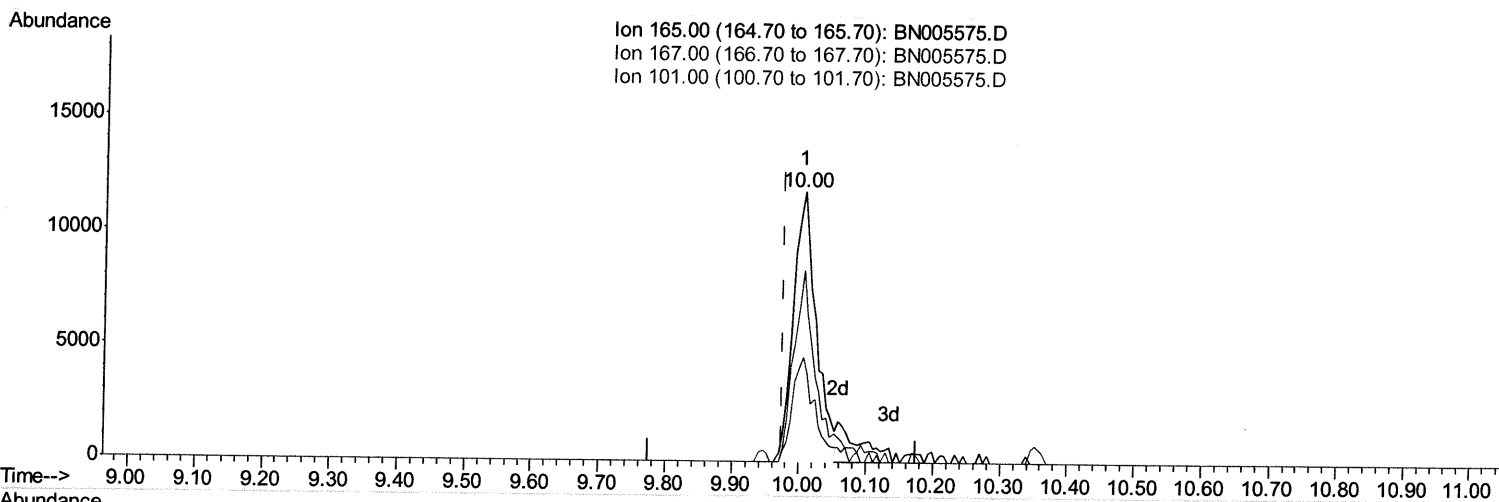
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
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Sample : K2604-19 10X
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(26) 2,4-Dichlorophenol-d3 (S)

10.005min (+0.030) 1.52ng/ul

response 27750

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	70.89
101.00	37.50	38.83
0.00	0.00	0.00

Quantitation Report (Qedit)

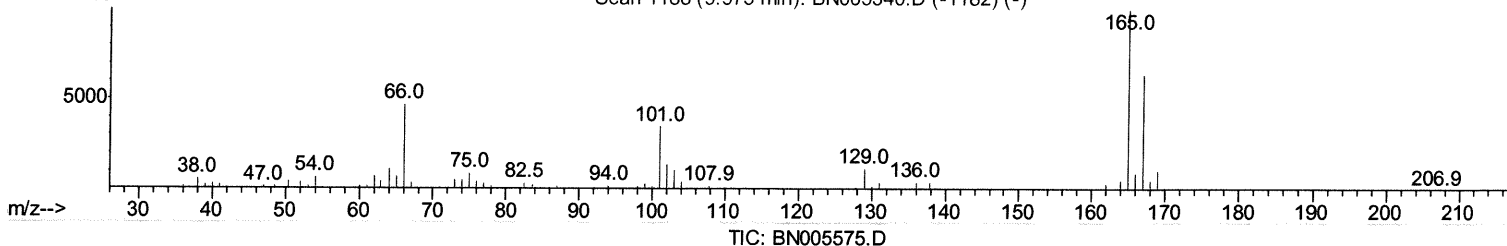
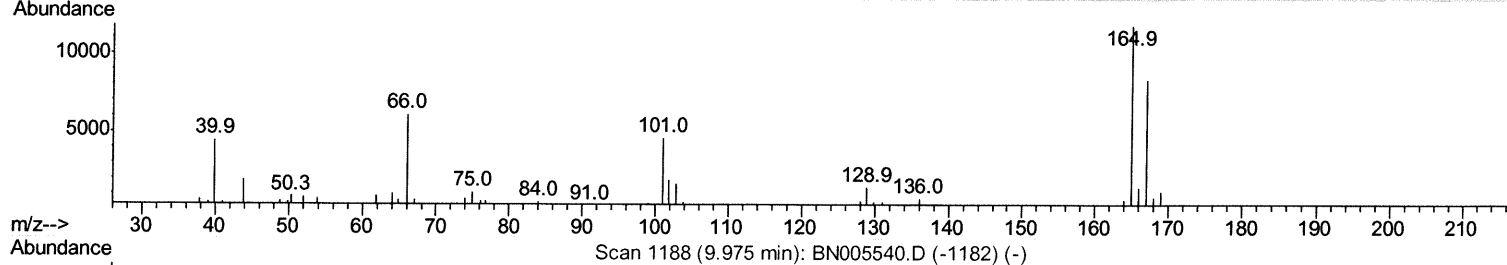
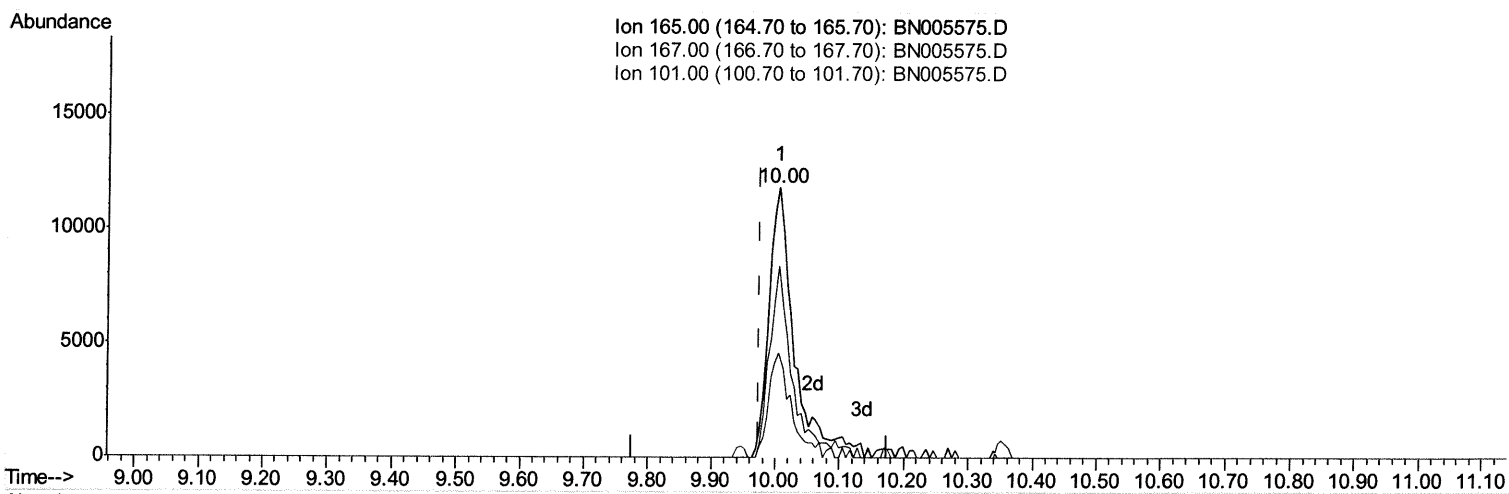
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ90

Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:39 PM

Quant Time: May 10 01:21:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration



(26) 2,4-Dichlorophenol-d3 (S)

10.005min (+0.030) 1.77ng/ul m *SJ 05/12/19*

response 32212

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	70.89
101.00	37.50	38.83
0.00	0.00	0.00

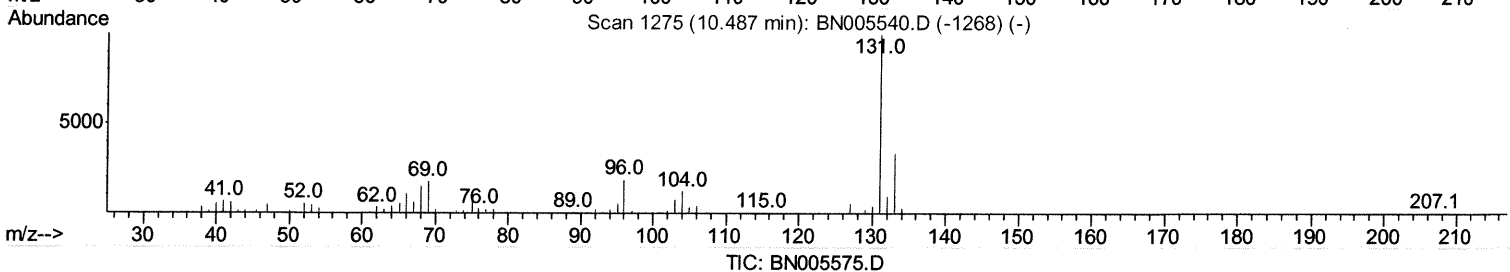
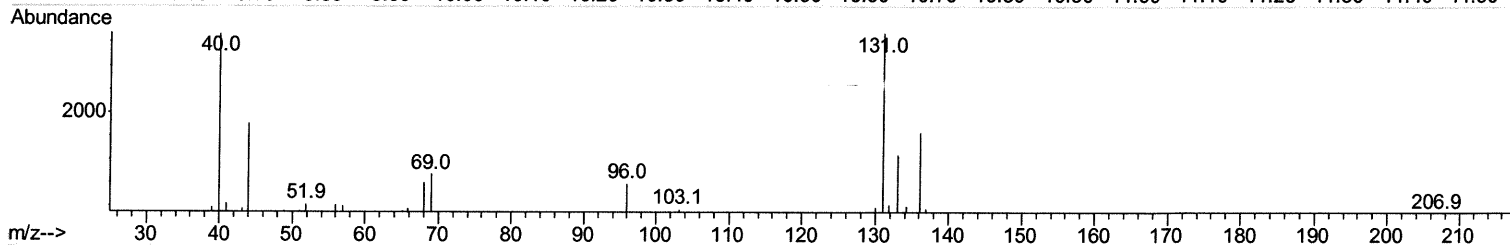
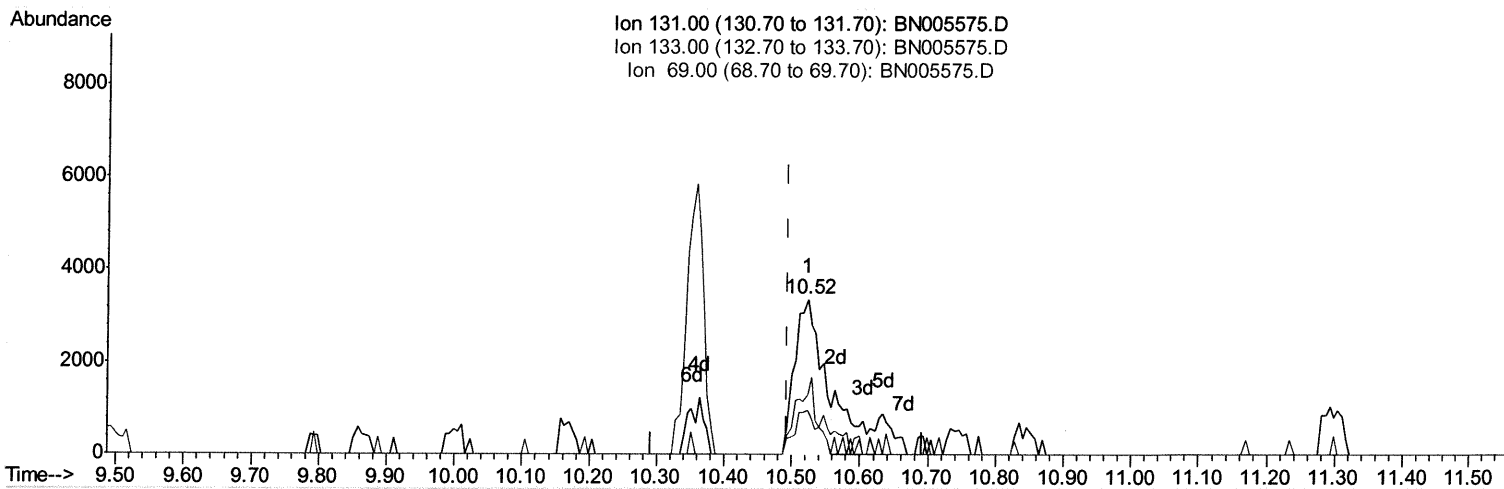
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ90

Manual Integrations
APPROVED

Sohil
5/10/2019 1:19:39 PM

Quant Time: May 10 01:21:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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(29) 4-Chloroaniline-d4 (S)

10.522min (+0.030) 0.47ng/ul

response 8930

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	38.05
69.00	18.90	28.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

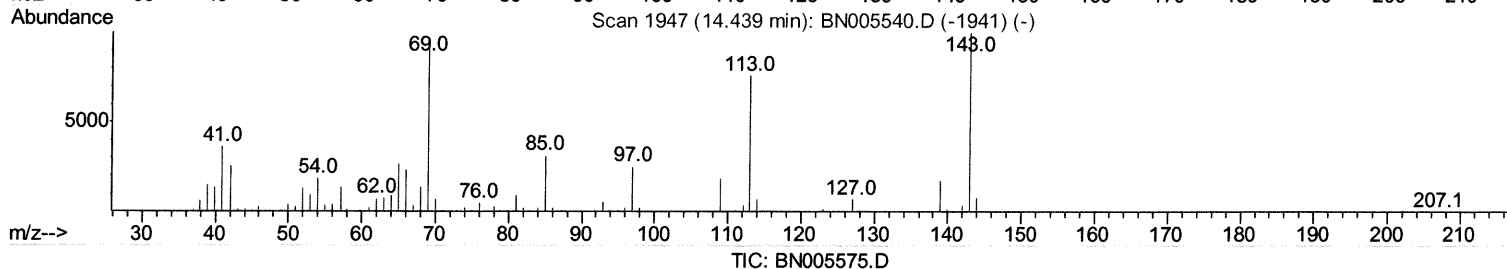
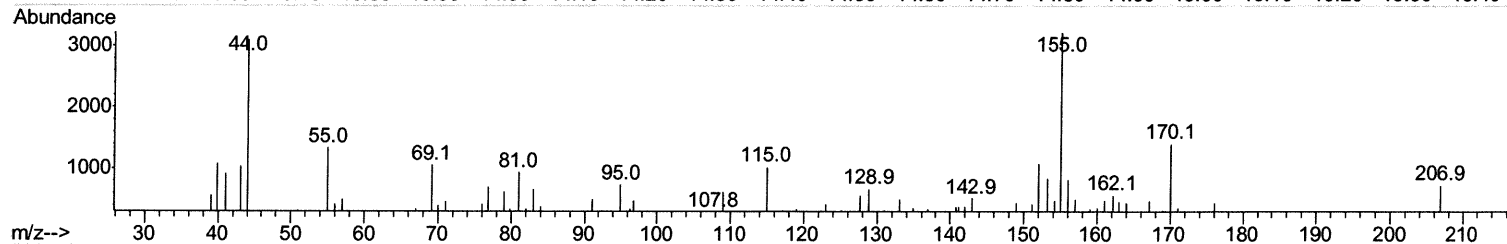
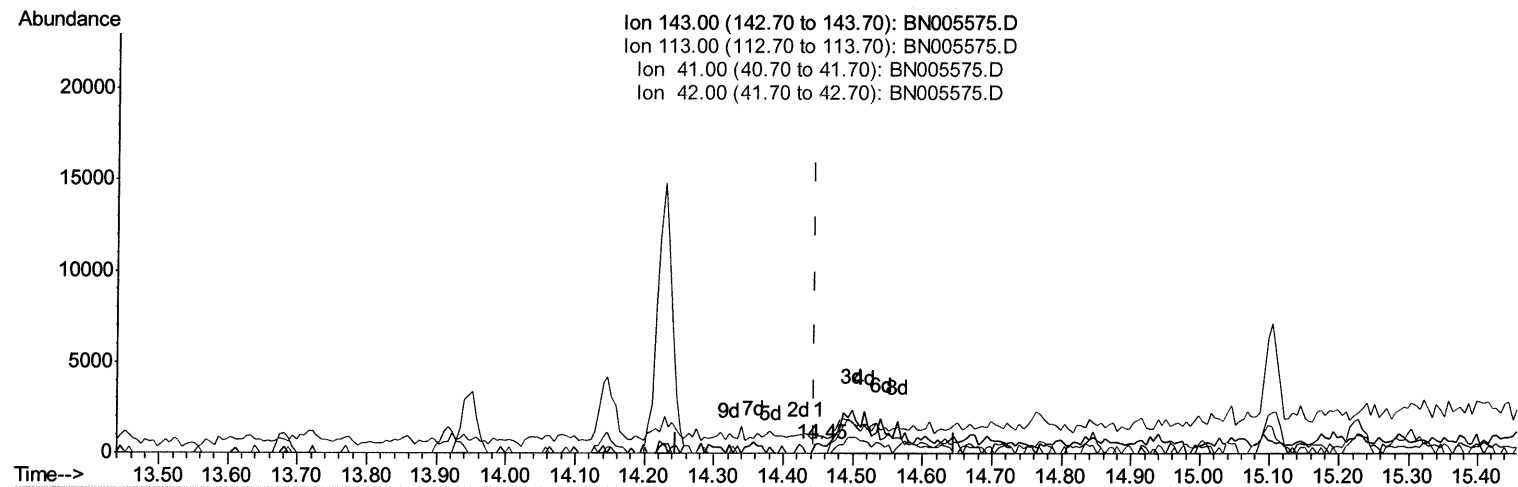
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:39 PM

Quant Time: May 10 01:55:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.451min (+0.006) 0.05ng/ul

response 490

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	0.00#
41.00	47.90	175.33#
42.00	31.70	0.00#

Quantitation Report (Qedit)

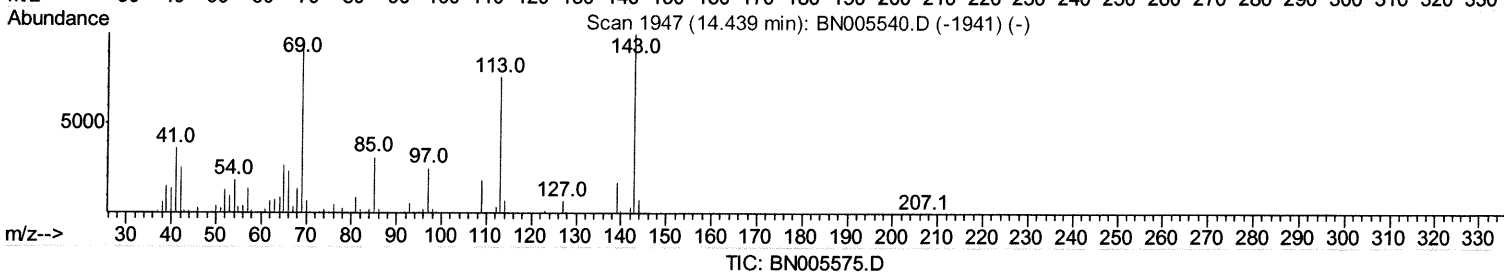
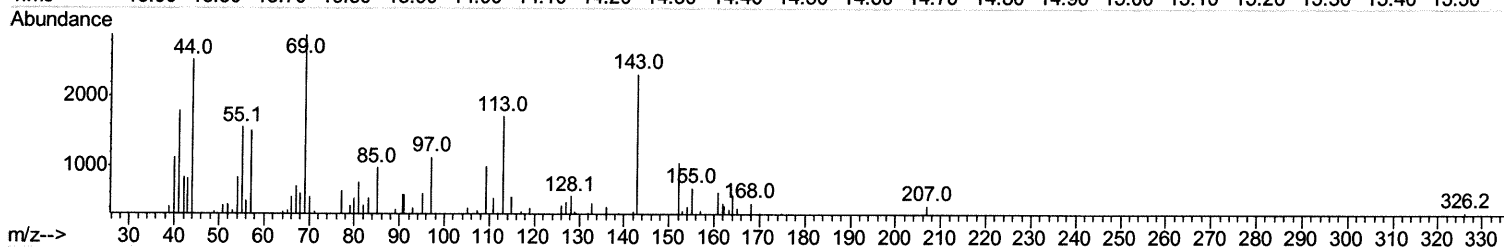
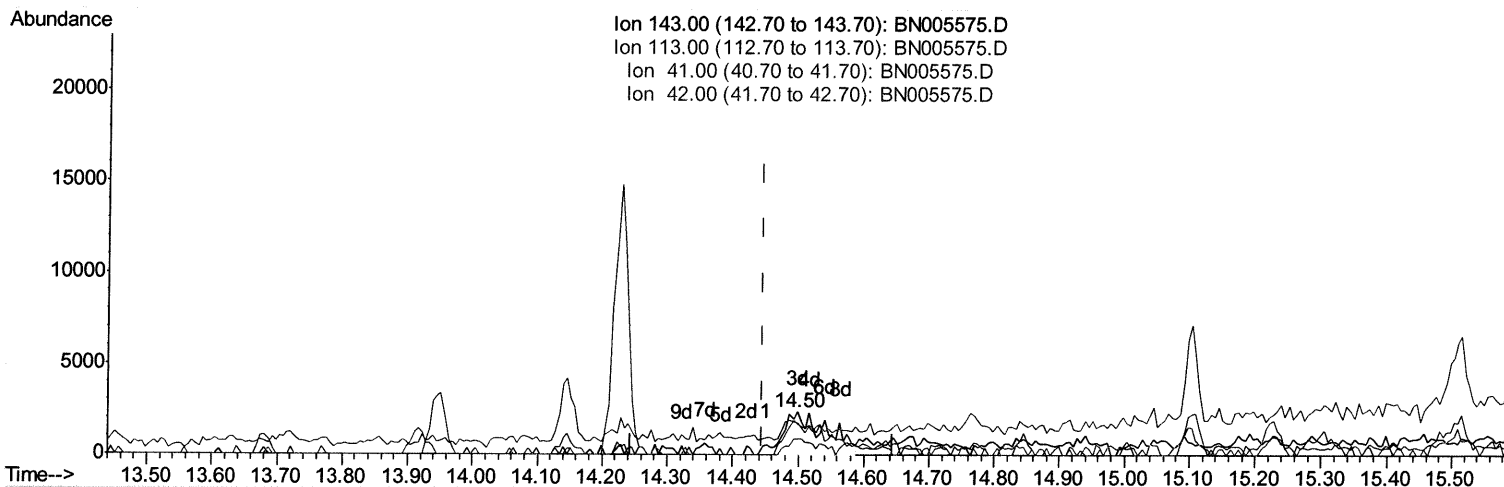
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ90

Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:39 PM

Quant Time: May 10 01:55:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.498min (+0.053) 1.16ng/ul m *SJ as 7/12/19*

response 10560

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	73.69
41.00	47.90	76.65#
42.00	31.70	36.31

Quantitation Report (Qedit)

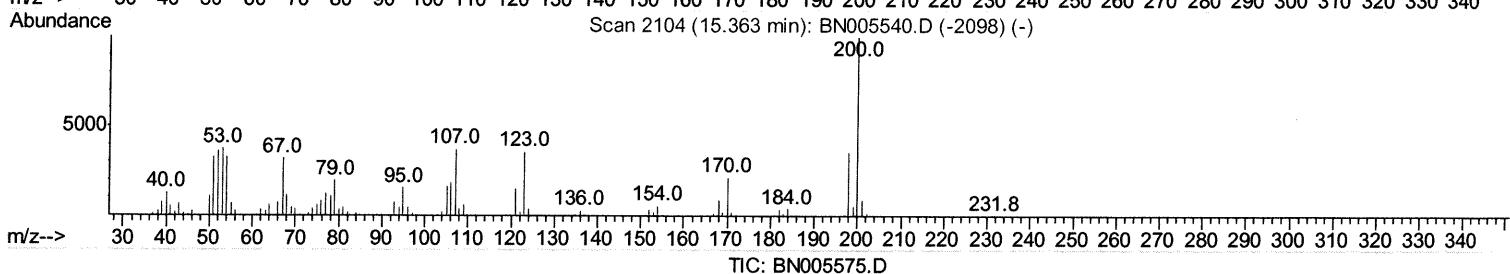
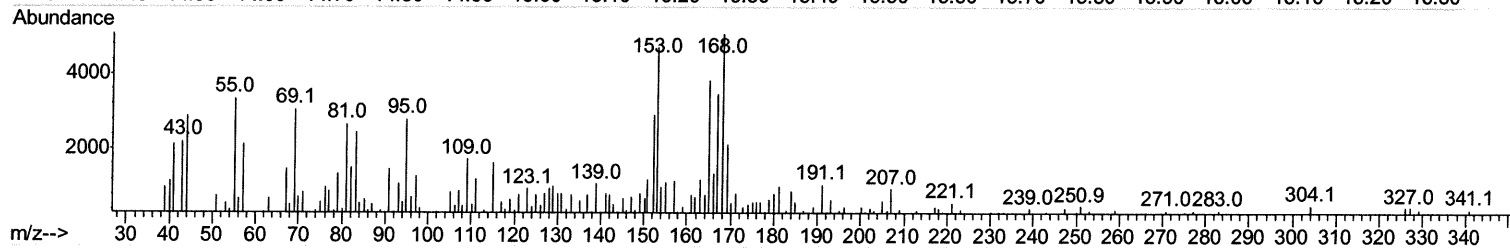
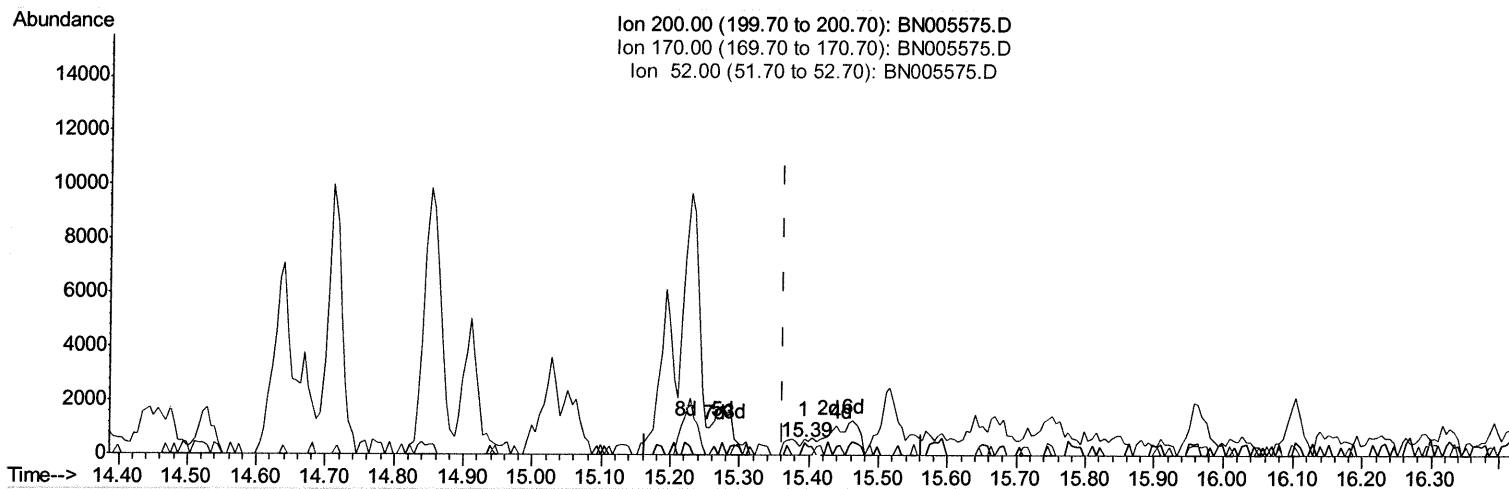
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ90

Manual Integrations
APPROVED

Sohil
5/10/2019 1:19:39 PM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.393min (+0.030) 0.05ng/ul

response 389

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	125.81#
52.00	49.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

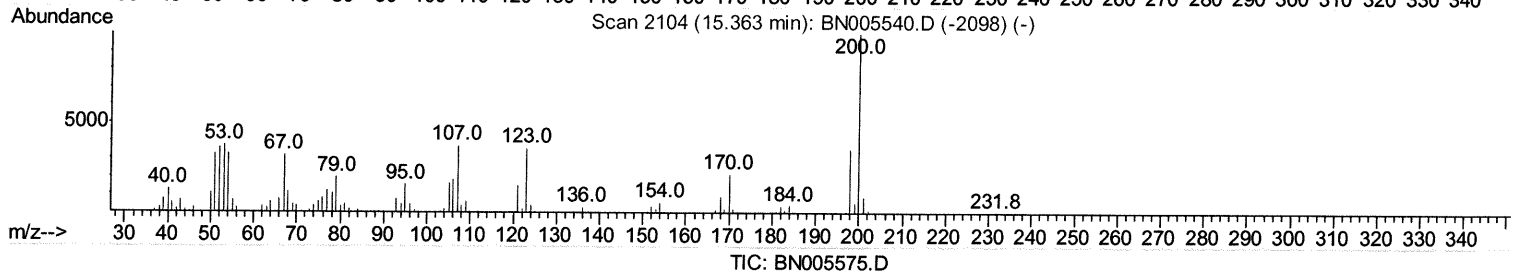
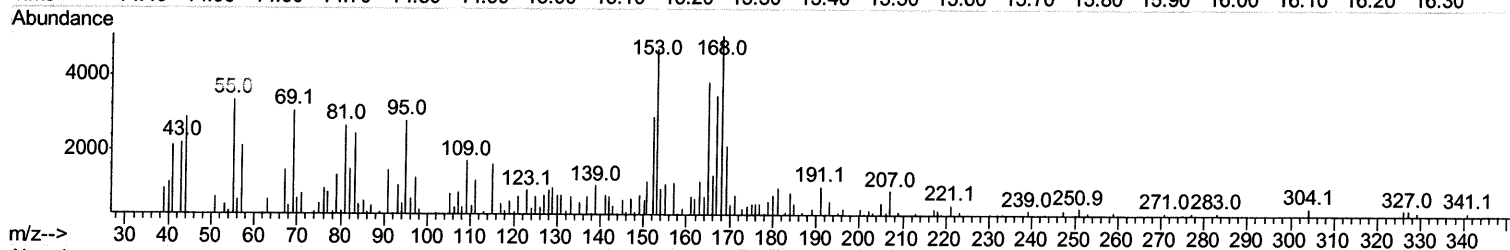
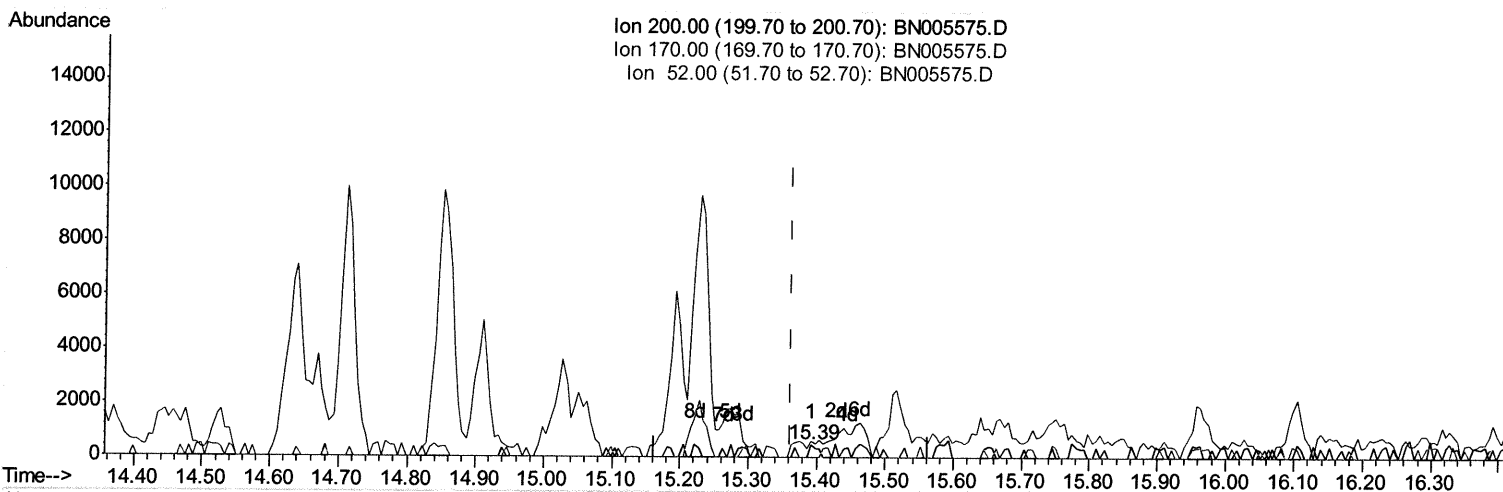
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ90

Manual Integrations
APPROVED

Sohil
5/10/2019 1:19:39 PM

Quant Time: May 10 01:55:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration



(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.393min (+0.030) 0.07ng/ul m

SJ 05/12/19

response 514

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	125.81#
52.00	49.60	0.00#
0.00	0.00	0.00

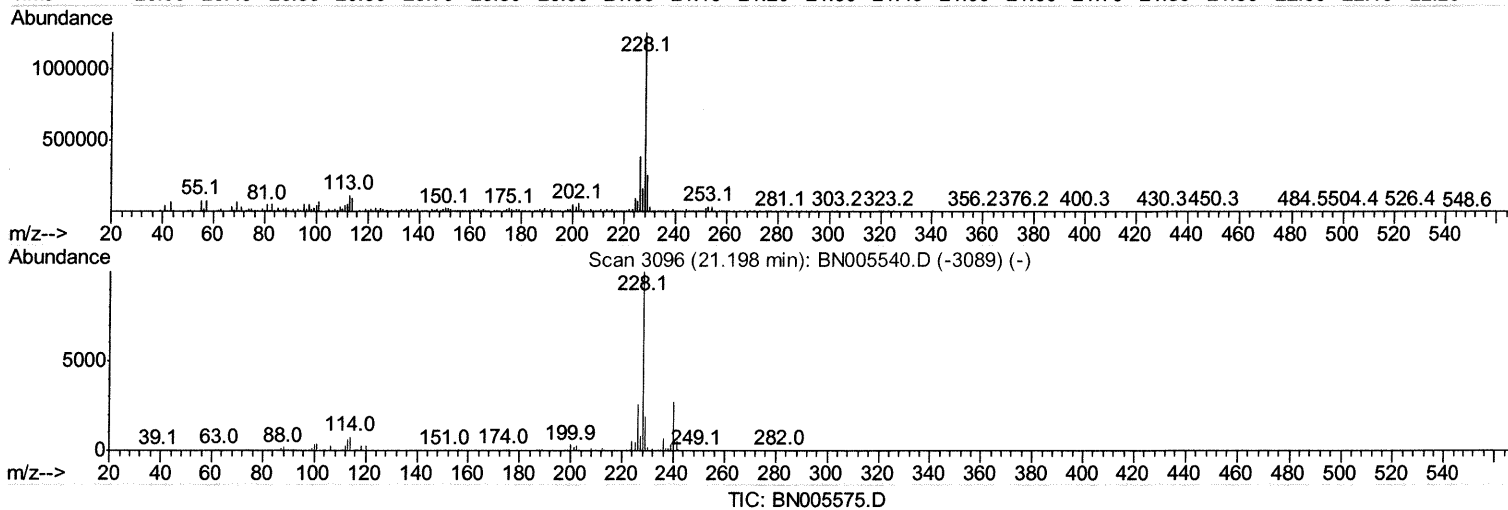
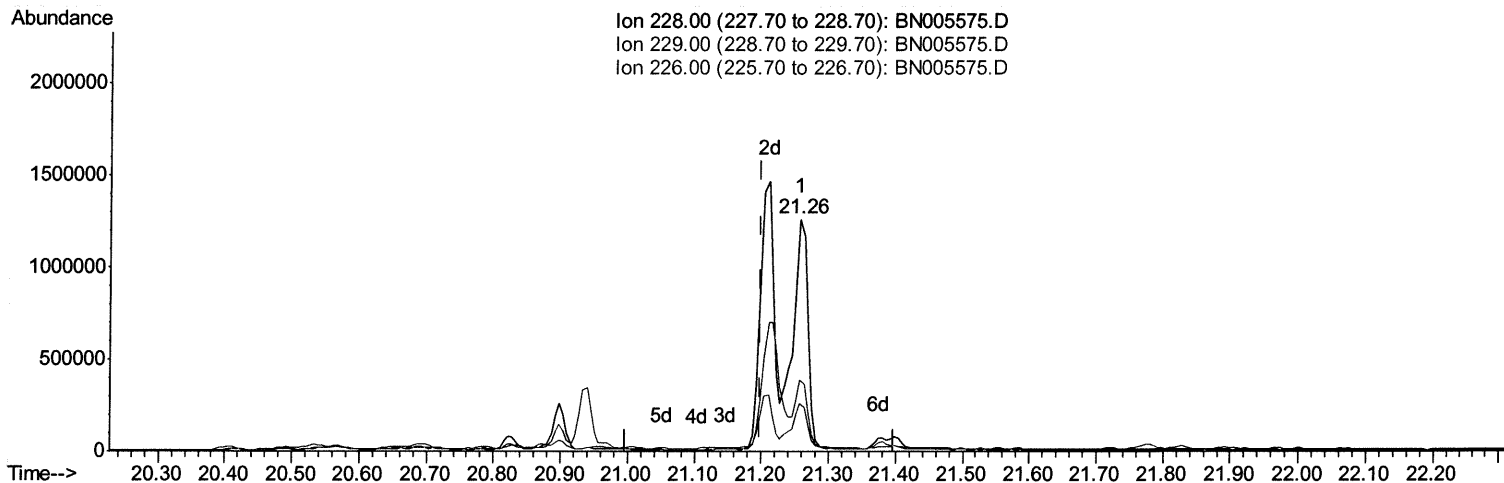
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual Integrations
APPROVED

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(82) Benzo(a)anthracene

21.257min (+0.059) 27.40ng/ul

response 1931515

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.76
226.00	26.80	30.59
0.00	0.00	0.00

Quantitation Report (Qedit)

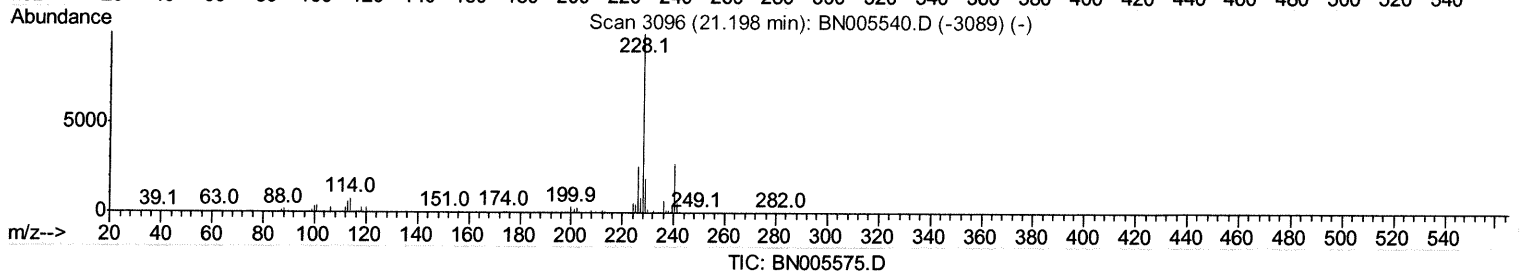
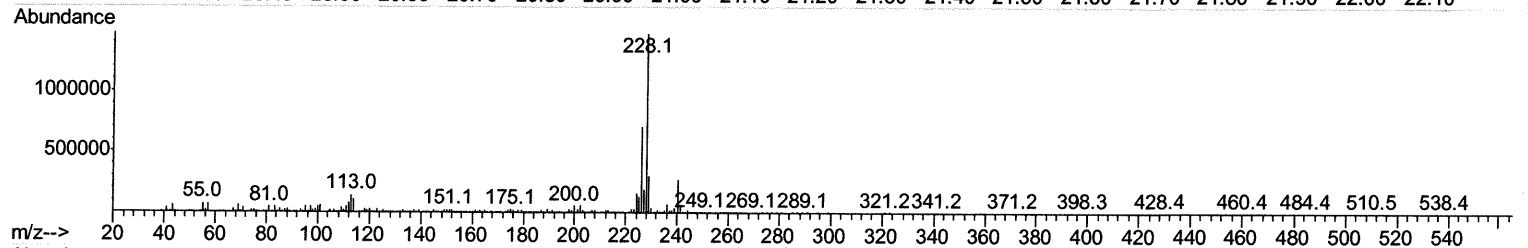
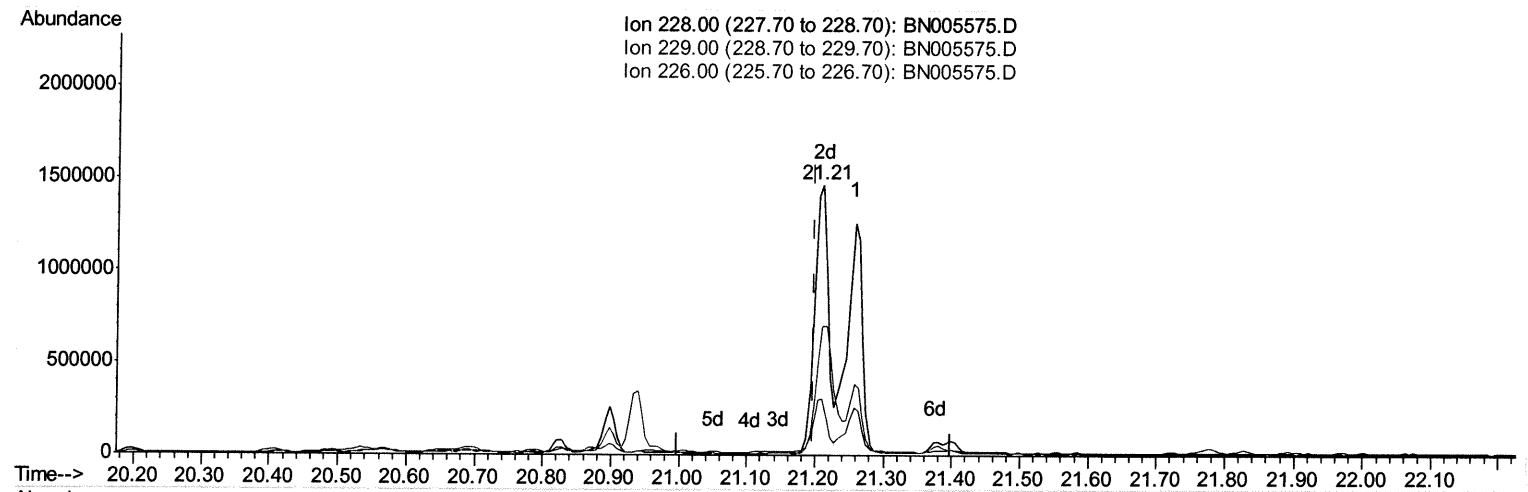
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:39 PM

Quant Time: May 10 01:55:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.210min (+0.012) 29.16ng/ul m SJ 05/12/19

response 2056041

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.81
226.00	26.80	47.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

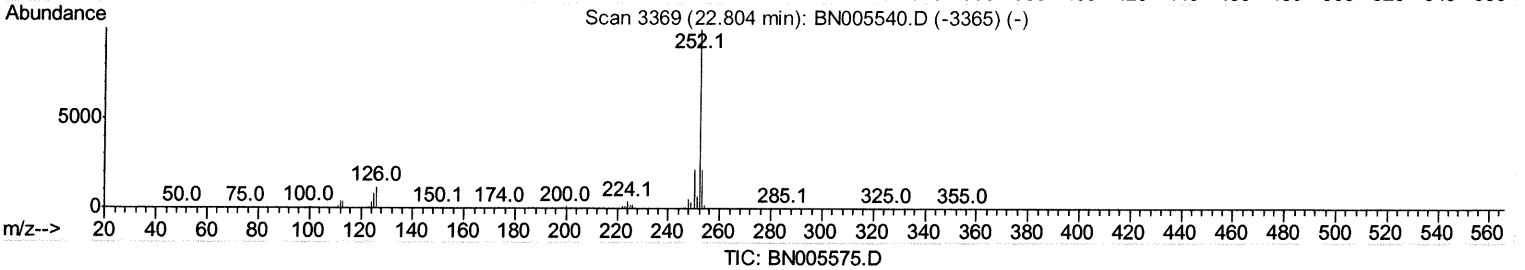
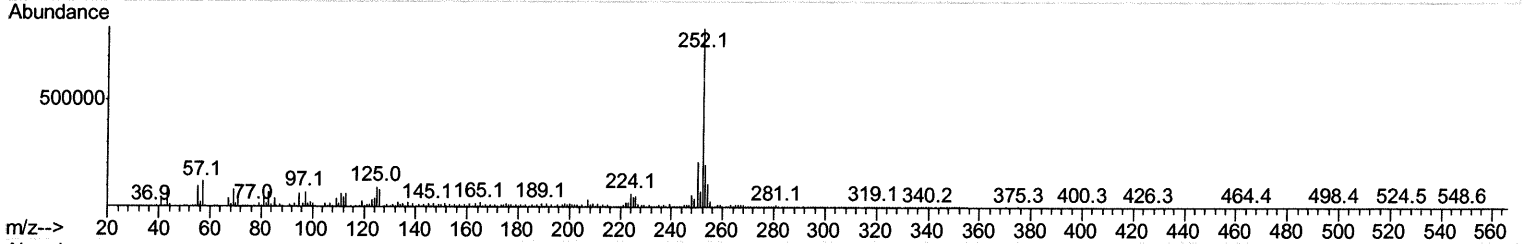
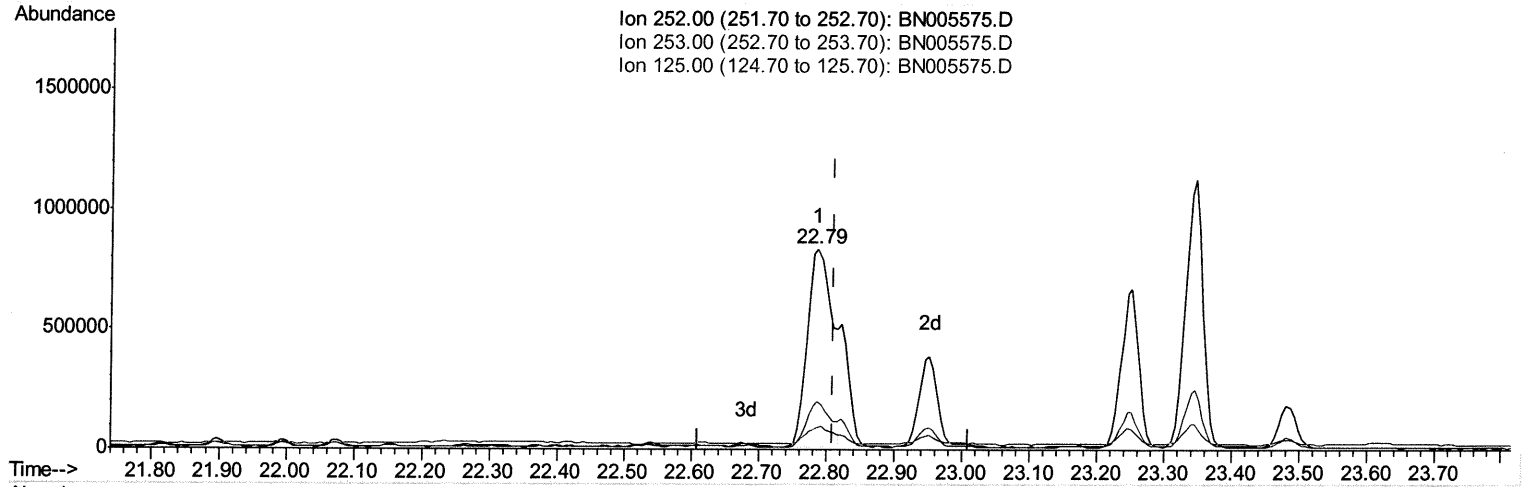
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
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(88) Benzo(k)fluoranthene

22.786min (-0.023) 31.91ng/ul

response 2117639

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	23.99
125.00	9.40	11.12
0.00	0.00	0.00

Quantitation Report (Qedit)

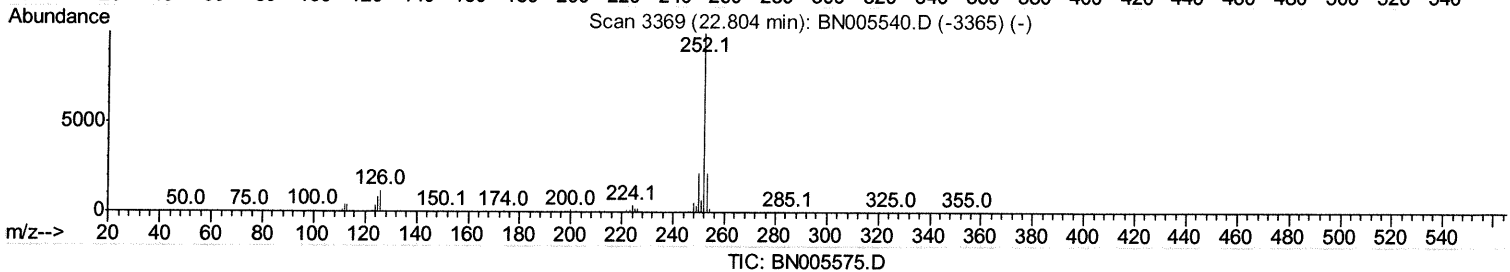
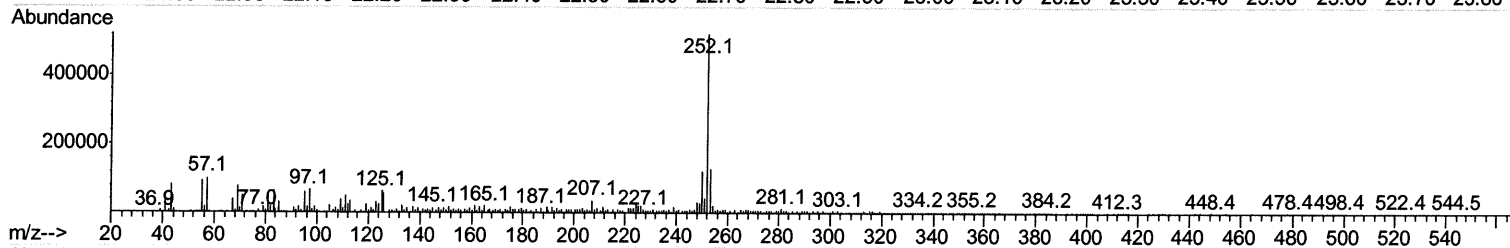
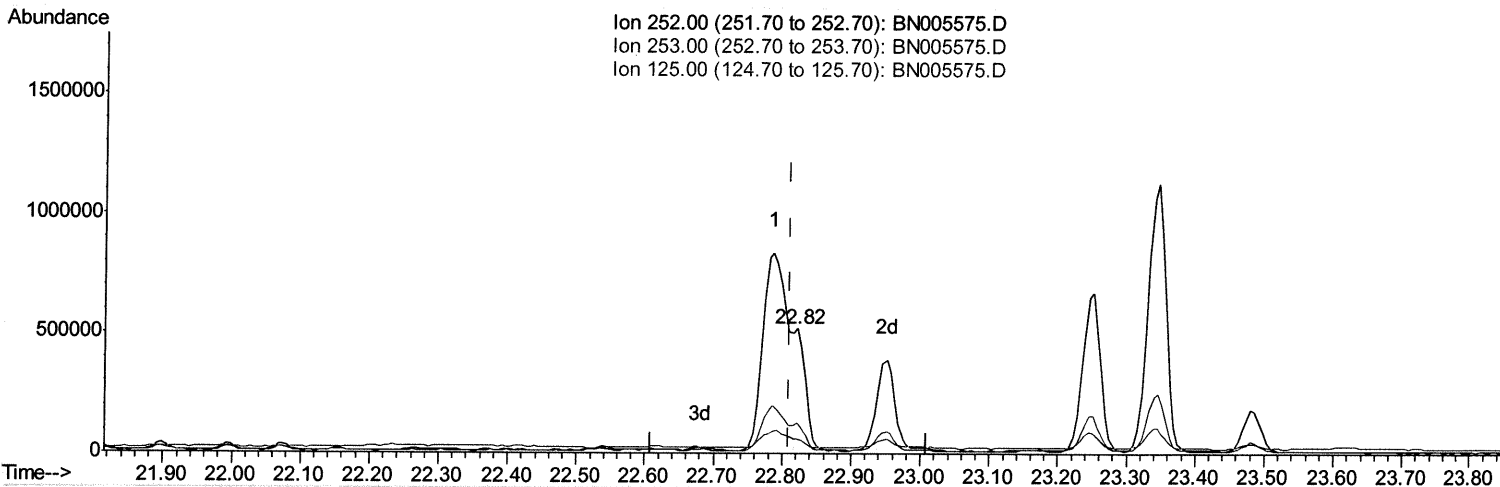
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.822min (+0.012) 7.58ng/ul m SJ 05/12/19

response 503265

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	24.58
125.00	9.40	12.15#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ90

Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:39 PM

Quant Time: May 10 01:59:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue May 07 05:36:07 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	295343	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1275326	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	791747	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1698514	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1133327	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1235962	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	1712m	0.28	ng/ul	0.00	SJ 05/12/19
5) Phenol-d5	6.78	99	36030	1.55	ng/ul	0.00	
7) Bis-(2-Chloroethyl) ether-d	6.94	67	21533	1.49	ng/ul	0.00	
9) 2-Chlorophenol-d4	7.13	132	32226	1.82	ng/ul	0.00	
13) 4-Methylphenol-d8	8.30	113	29362	1.62	ng/ul	0.01	
19) Nitrobenzene-d5	8.74	128	16490	2.10	ng/ul	0.00	
22) 2-Nitrophenol-d4	9.46	143	13770	1.73	ng/ul	0.01	SJ 05/12/19
26) 2,4-Dichlorophenol-d3	10.00	165	32212m	1.77	ng/ul	0.03	SJ 05/12/19
29) 4-Chloroaniline-d4	10.52	131	13329m	0.71	ng/ul	0.03	SJ 05/12/19
43) Dimethylphthalate-d6	13.64	166	114287	1.99	ng/ul	0.00	
46) Acenaphthylene-d8	13.92	160	153244	2.17	ng/ul	0.00	
51) 4-Nitrophenol-d4	14.50	143	10560m	1.16	ng/ul	0.05	SJ 05/12/19
57) Fluorene-d10	15.23	176	110646	2.29	ng/ul	0.00	
62) 4,6-Dinitro-2-methylphenol	15.39	200	514m	0.07	ng/ul	0.03	SJ 05/12/19
70) Anthracene-d10	17.08	188	166946	2.34	ng/ul	0.00	
78) Pyrene-d10	19.40	212	150725	2.60	ng/ul	0.00	
89) Benzo(a)pyrene-d12	23.30	264	116723	2.16	ng/ul	0.02	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
47) Acenaphthylene	13.95	152	1381459	19.914	ng/ul	98
58) Fluorene	15.30	166	71057	1.335	ng/ul#	51
69) Phenanthrene	17.03	178	149228	1.804	ng/ul	97
71) Anthracene	17.12	178	654352	7.765	ng/ul	99
76) Fluoranthene	19.06	202	3092973	33.710	ng/ul#	95
79) Pyrene	19.43	202	6096277	83.543	ng/ul#	94
82) Benzo(a)anthracene	21.21	228	2056041m	29.162	ng/ul	97
84) Chrysene	21.26	228	1932235	29.529	ng/ul	98
87) Benzo(b)fluoranthene	22.79	252	2117639	30.480	ng/ul	97
88) Benzo(k)fluoranthene	22.82	252	503265m	7.584	ng/ul	97
90) Benzo(a)pyrene	23.35	252	2010153	30.781	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.63	276	1001811	13.875	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.63	278	326059	5.321	ng/ul#	88
93) Benzo(g,h,i)perylene	26.30	276	1013787	16.981	ng/ul#	93

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