

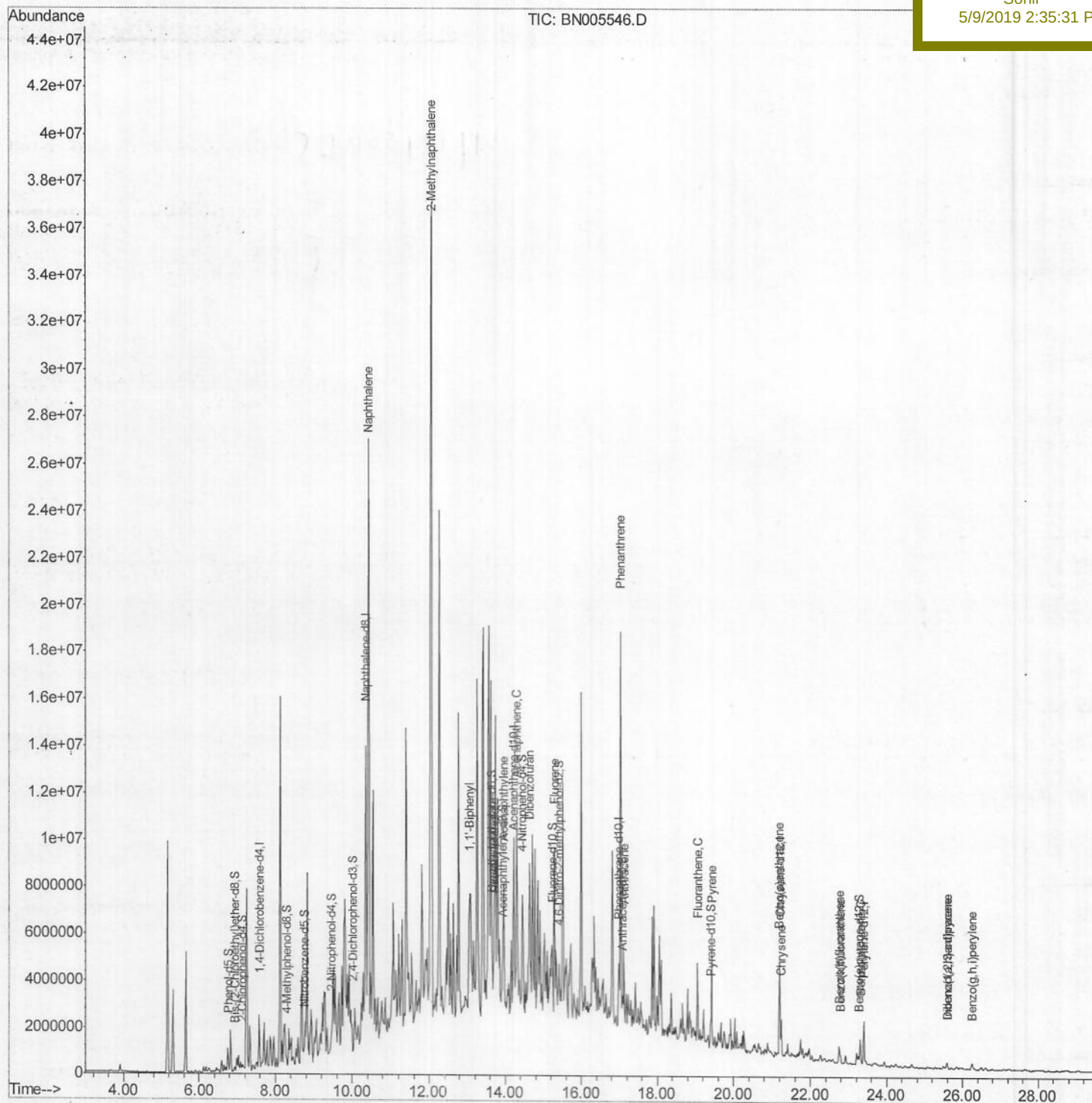
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\
Data File : BN005546.D
Acq On : 08 May 2019 23:27
Operator : JU/SJ
Sample : K2604-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 12:22:13 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

Instrument :
BNA_N
Client Sampled :
GAJ86

Manual Integrations
APPROVED

Sohil
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Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mav 09 02:34:30 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

Instrument :

BNA_N

ClientSampleId :

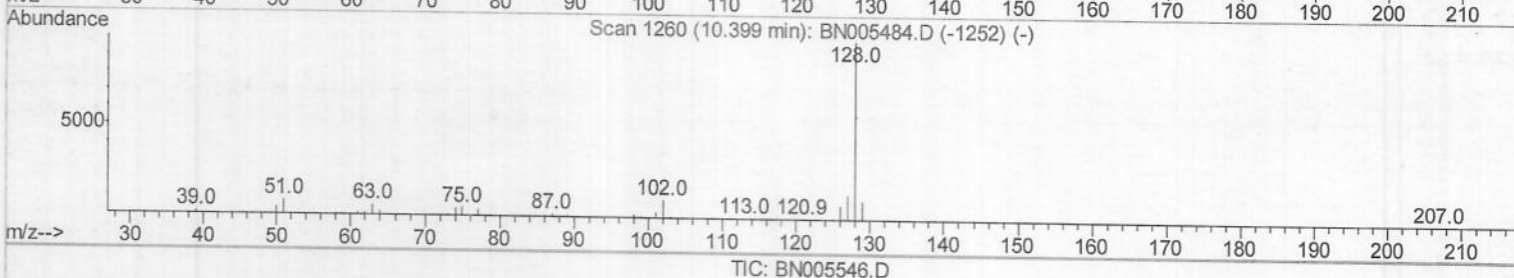
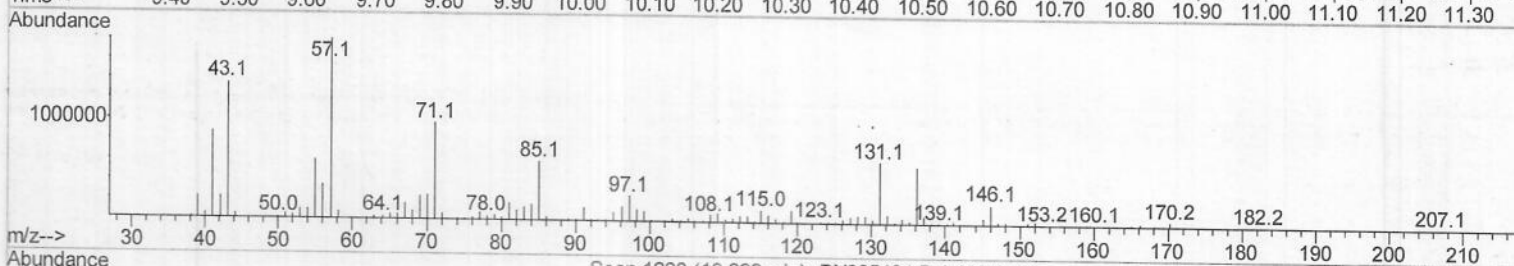
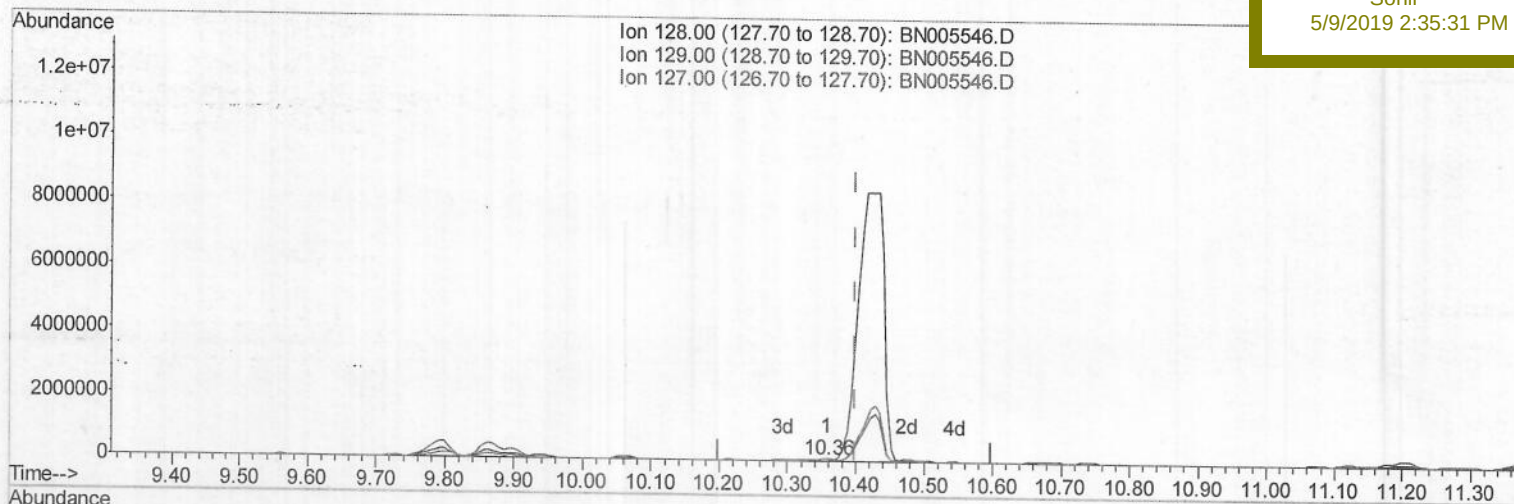
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TIC: BN005546.D

(28) Naphthalene

10.357min (-0.041) 1.61ng/ul

response 89394

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	105.88#
127.00	13.40	91.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

ClientSampleId :

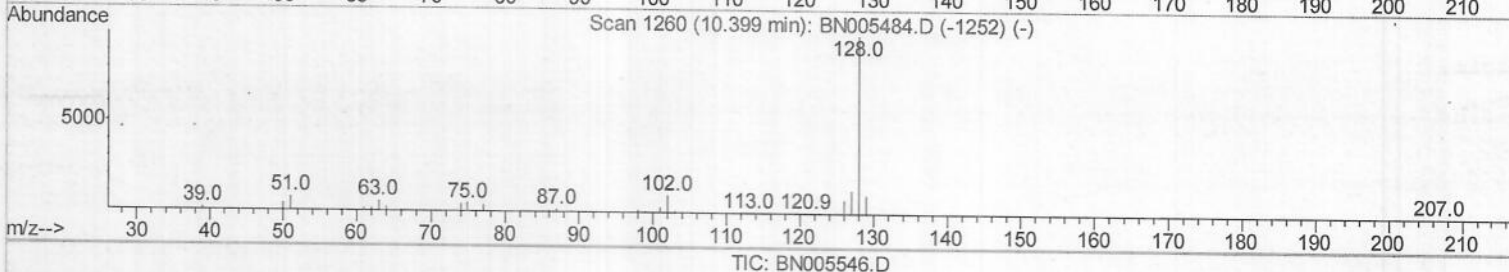
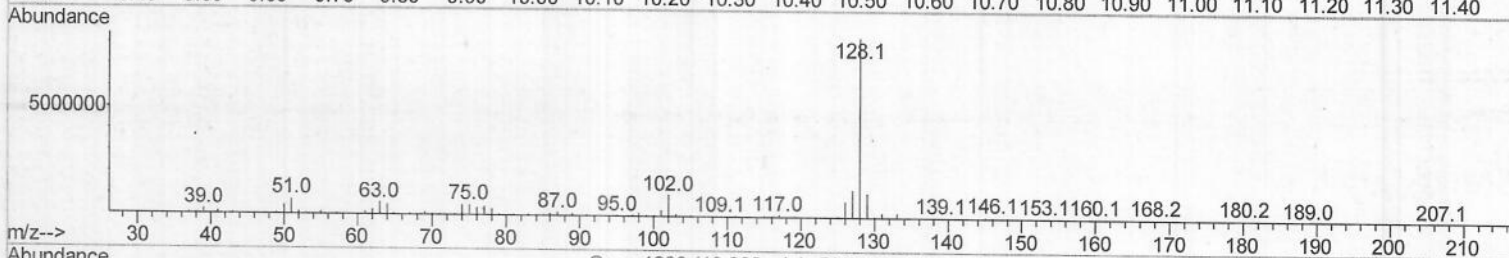
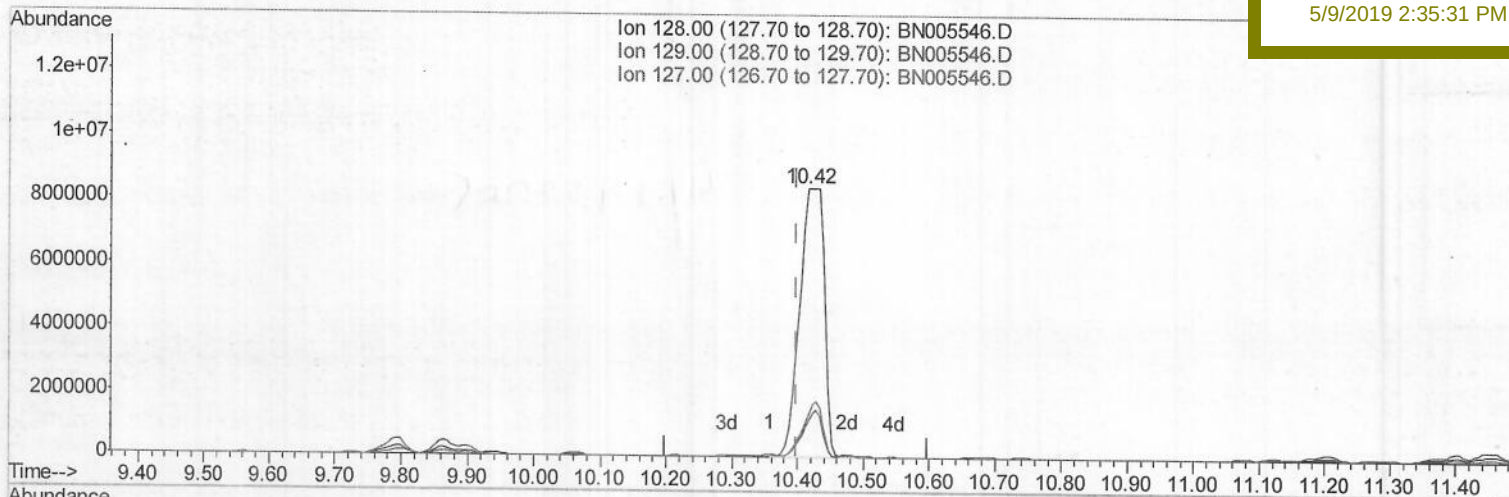
GAJ86

Manual Integrations

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Sohil

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TIC: BN005546.D

(28) Naphthalene

10.416min (+0.018) 398.27ng/ul m³ JU05/21/19

response 22047841

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	13.80#
127.00	13.40	15.87
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

ClientSampleId :

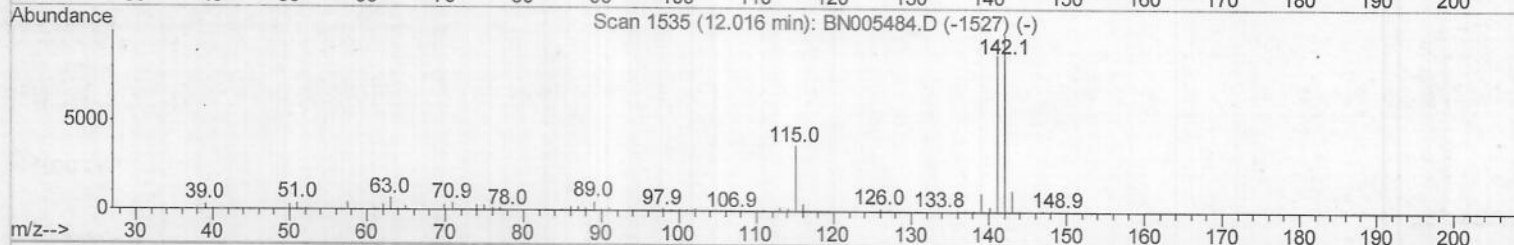
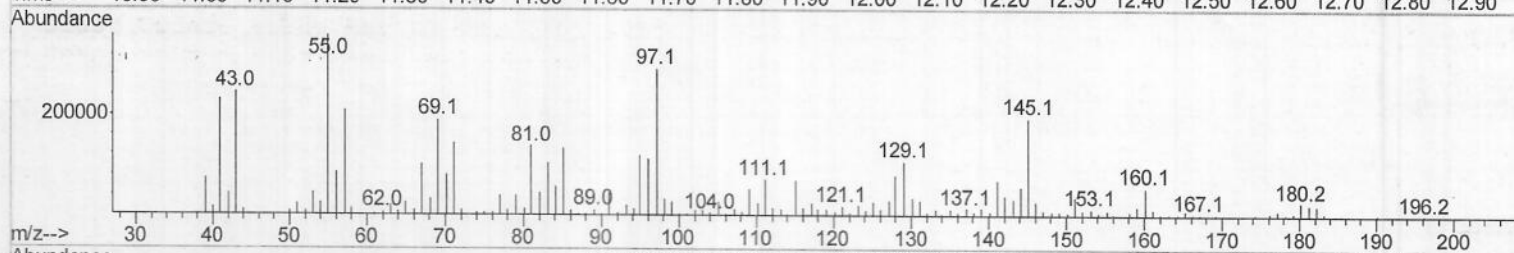
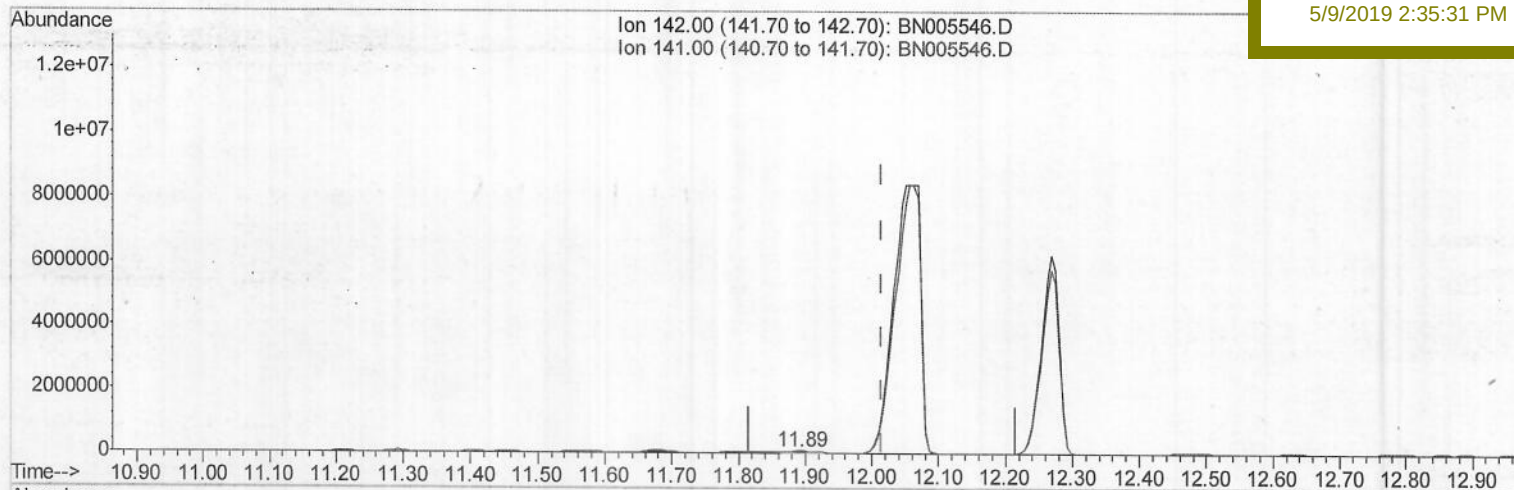
GAJ86

Manual Integrations

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Sohil

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TIC: BN005546.D

(34) 2-Methylnaphthalene

11.893min (-0.124) 2.28ng/ul

response 92464

Ion	Exp%	Act%
142.00	100	100
141.00	90.00	169.98#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

Client Sampled :

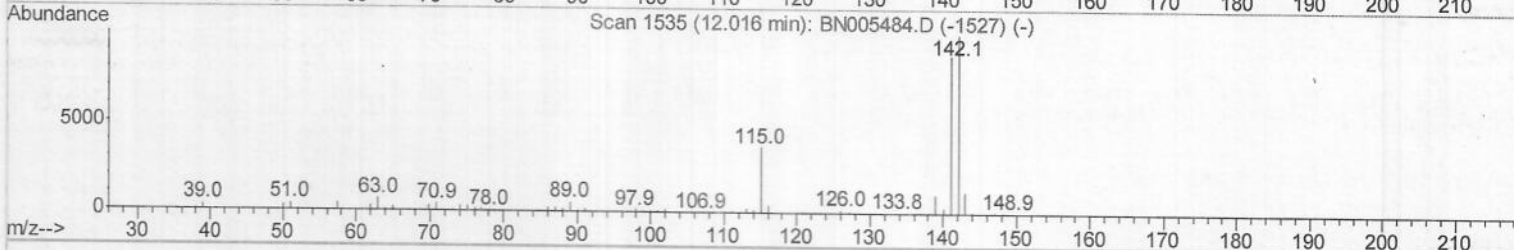
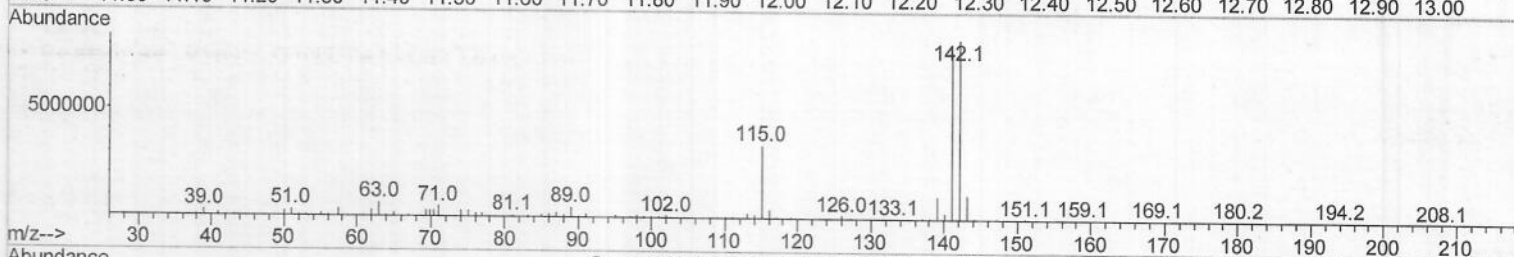
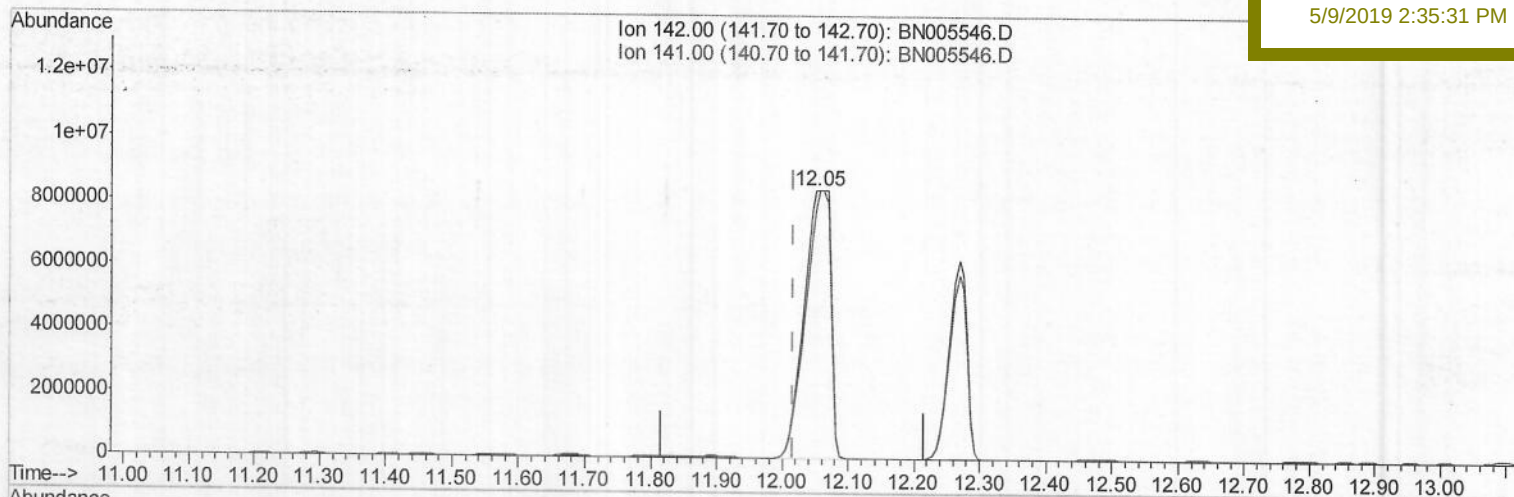
GAJ86

Manual Integrations

APPROVED

Sohil

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TIC: BN005546.D

(34) 2-Methylnaphthalene

12.051min (+0.035) 581.38ng/ul m) JU05/21/19

response 23565567

Ion	Exp%	Act%
142.00	100	100
141.00	90.00	93.24
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

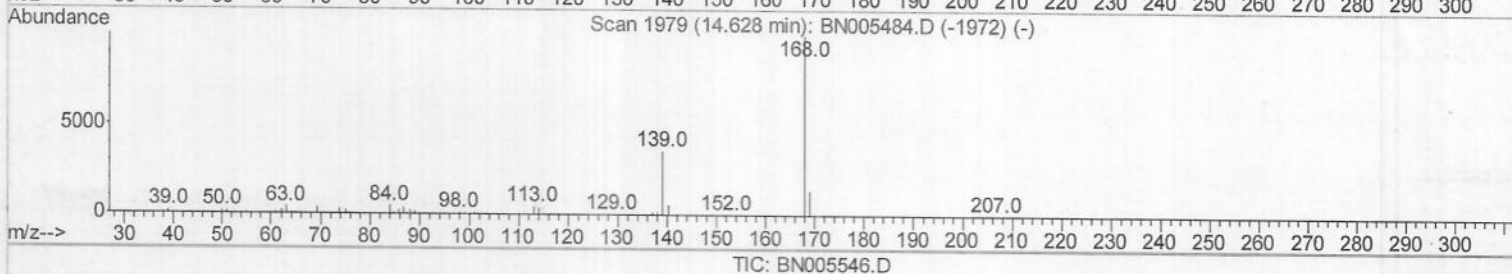
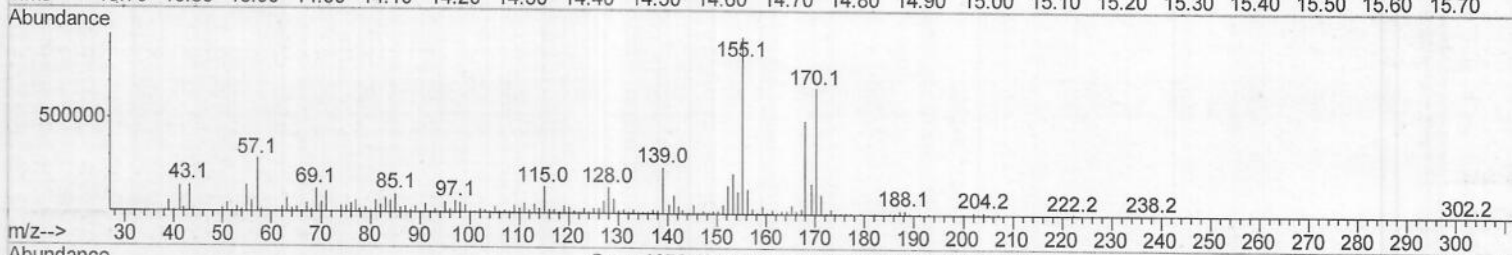
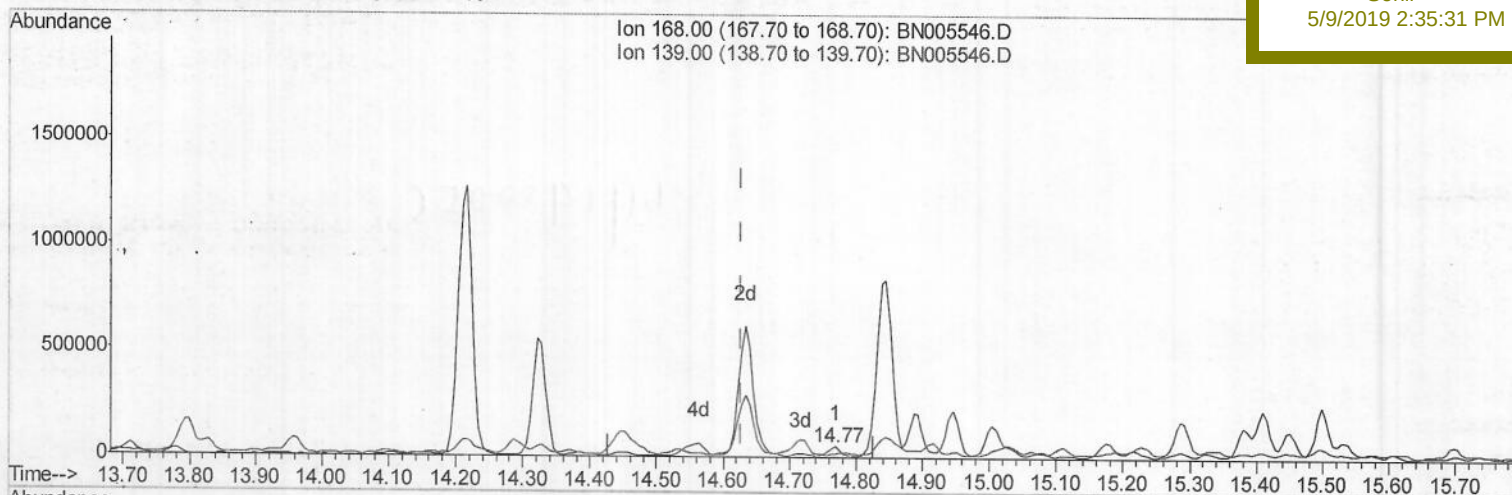
ClientSampled :

GAJ86

Manual Integrations
APPROVED

Sohil

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(53) Dibenzofuran

14.769min (+0.141) 0.94ng/ul

response 64861

Ion	Exp%	Act%
168.00	100	100
139.00	38.60	40.30
0.00	0.00	0.00
0.00	0.00	0.00

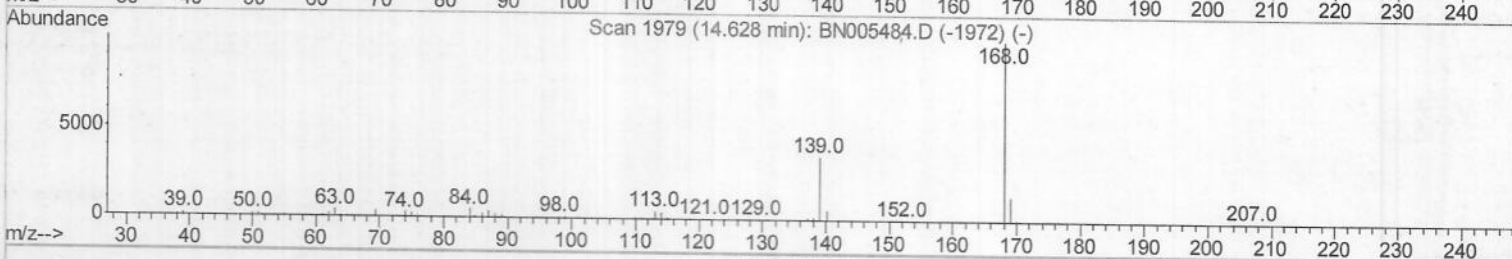
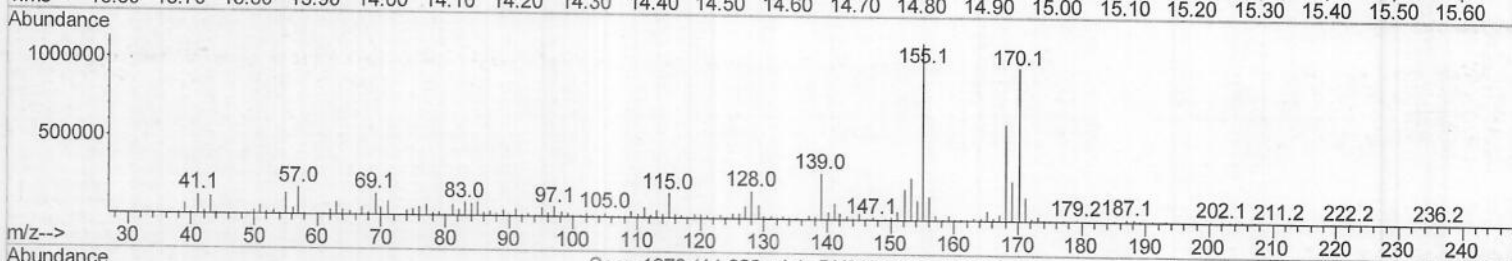
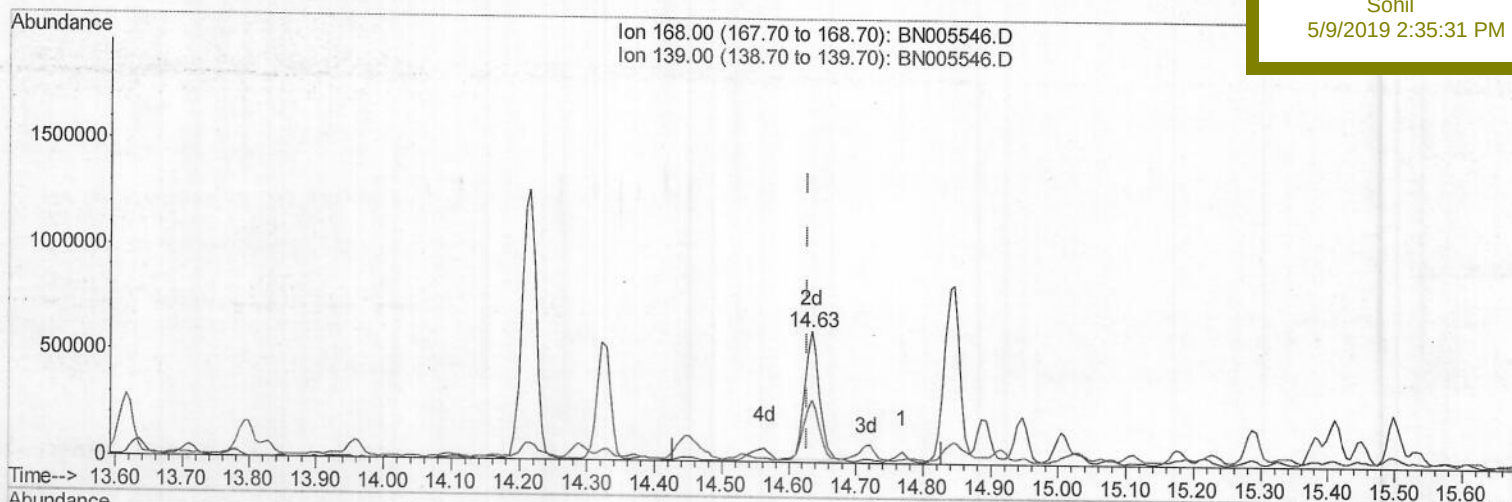
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005546.D
 Acq On : 08 May 2019 23:27
 Operator : JU/SJ
 Sample : K2604-12 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :
 BNA_N
 ClientSampled :
 GAJ86

Manual Integrations
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Sohil
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TIC: BN005546.D

(53) Dibenzofuran

14.634min (+0.006) 13.12ng/ul m

J0005/21/19

response 909055

Ion	Exp%	Act%
168.00	100	100
139.00	38.60	47.19#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

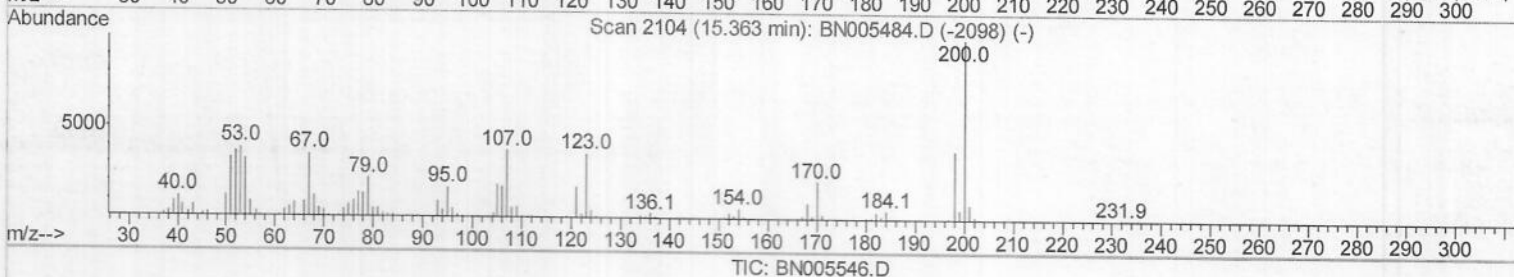
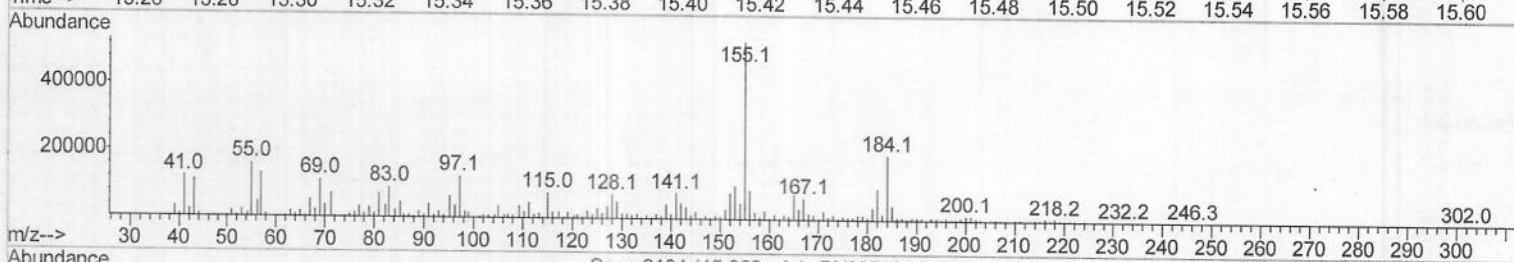
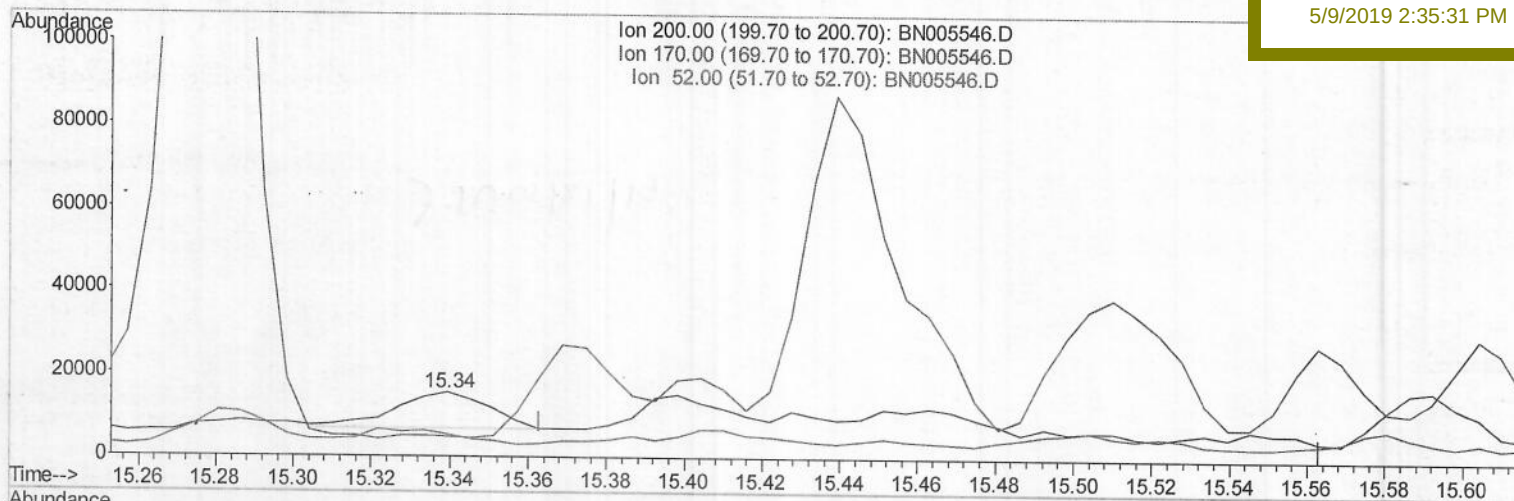
ClientSampleId :

GAJ86

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

15.339min (-0.024) 1.80ng/ul

response 14292

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	30.66#
52.00	49.60	34.53#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

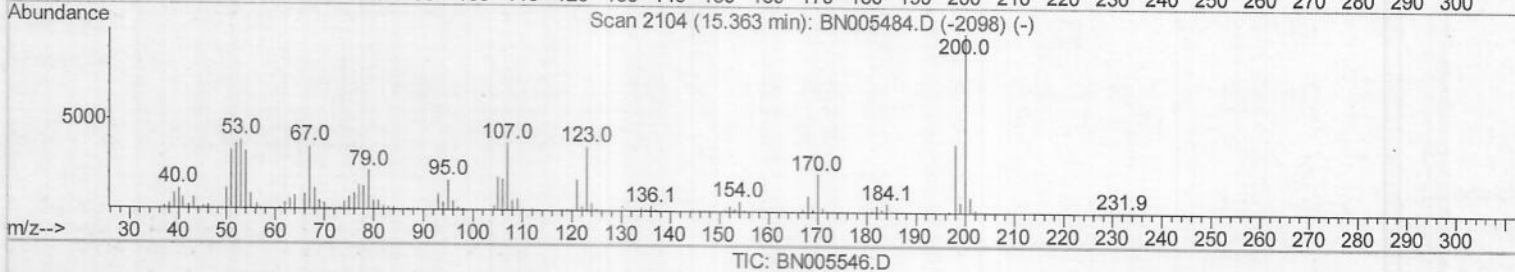
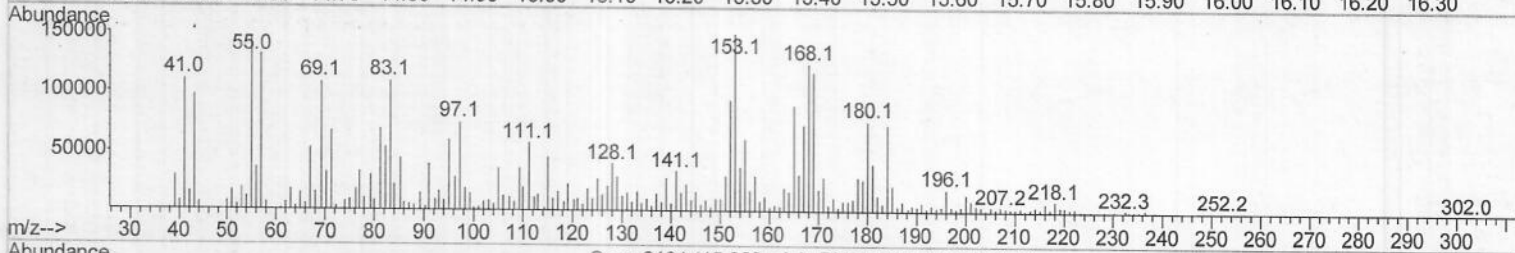
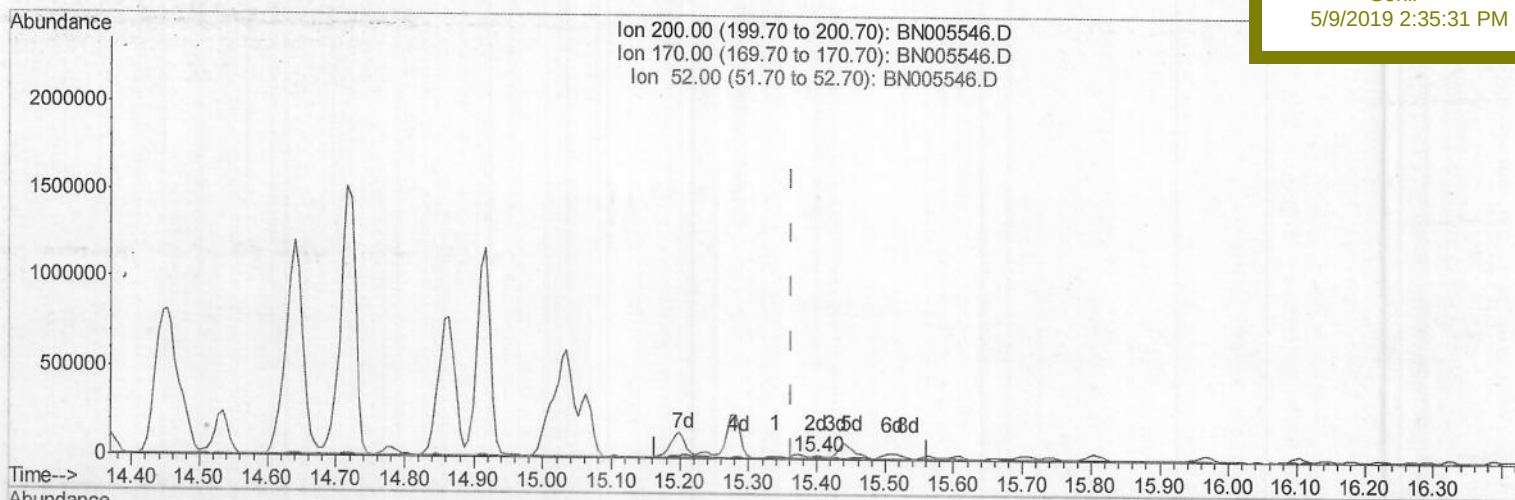
ClientSampleId :

GAJ86

Manual Integrations
APPROVED

Sohil

5/9/2019 2:35:31 PM



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

15.398min (+0.035) 1.66ng/ul m

response 13161

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	125.18#
52.00	49.60	33.10#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

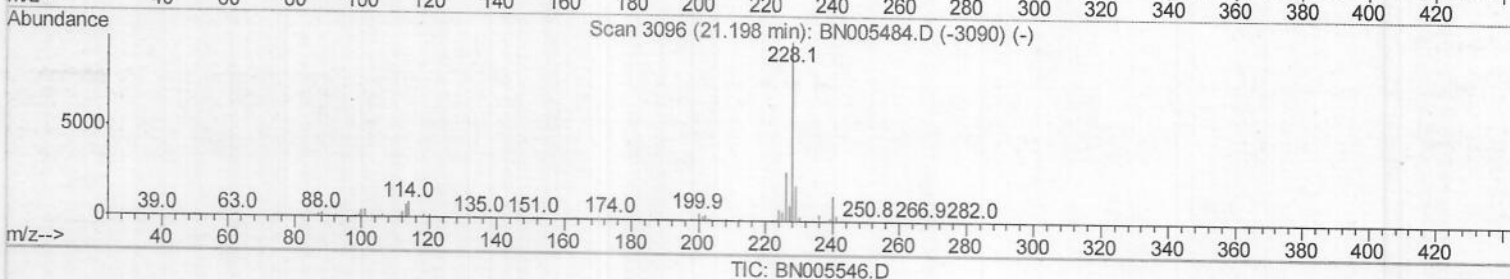
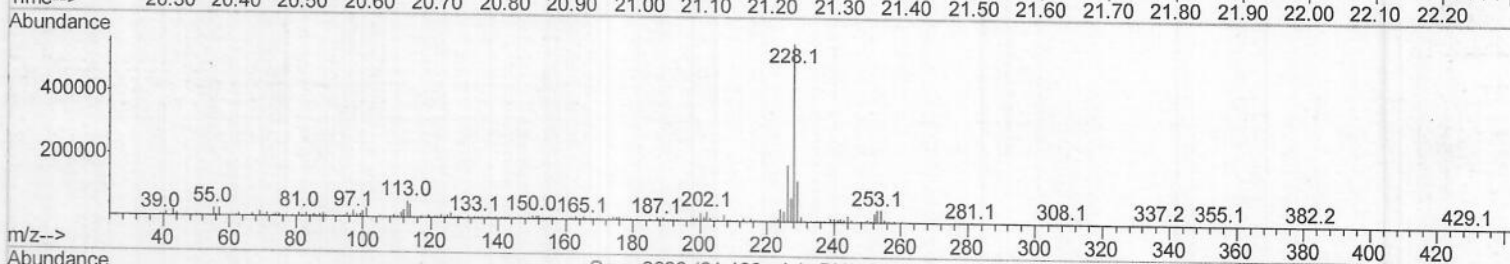
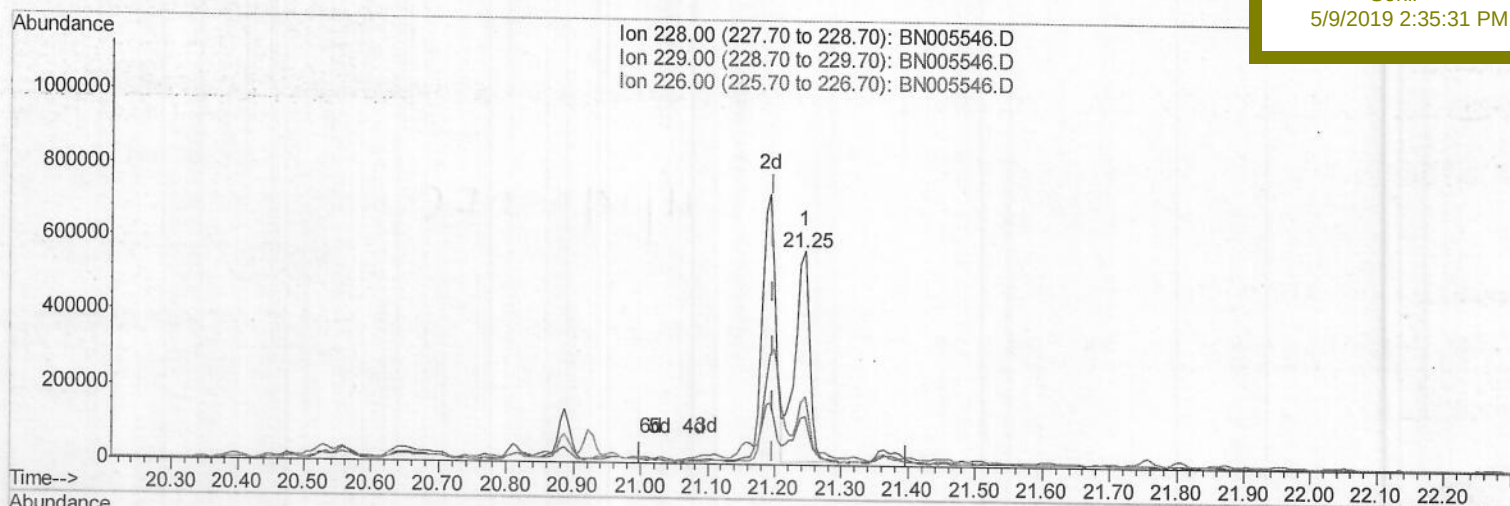
ClientSampleId :

GAJ86

Manual Integrations
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Sohil

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(82) Benzo(a)anthracene..

21.245min (+0.047) 9.44ng/ul

response 869972

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	22.77
226.00	26.80	31.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

ClientSampleId :

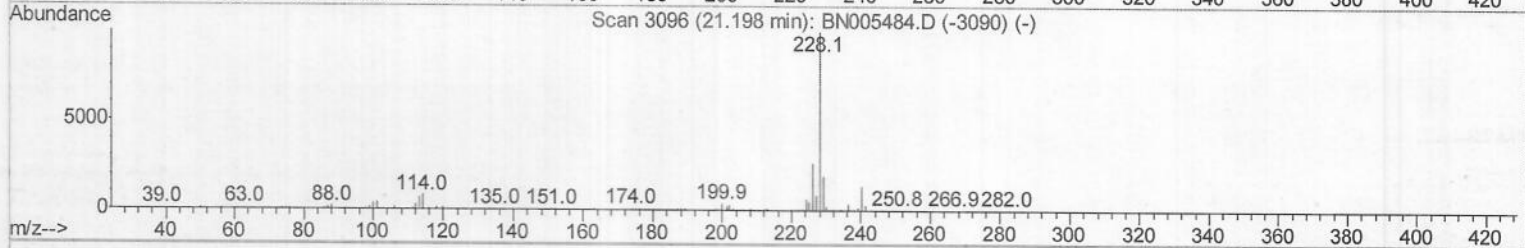
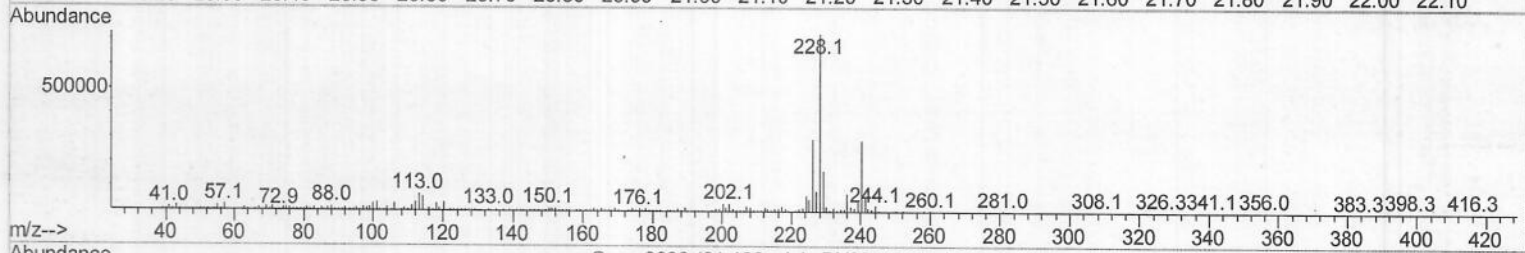
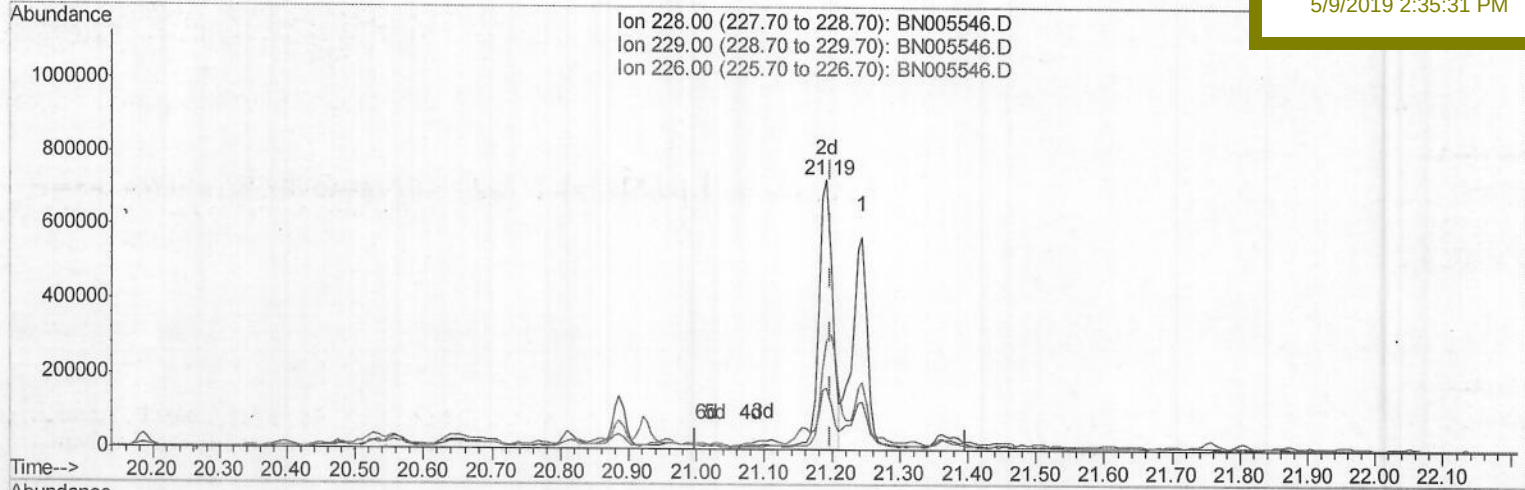
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Manual Integrations

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5/9/2019 2:35:31 PM



(82) Benzo(a)anthracene

21.192min (-0.006) 10.87ng/ul m) JU05/21/19

response 1001726

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	22.64
226.00	26.80	40.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

ClientSampleId :

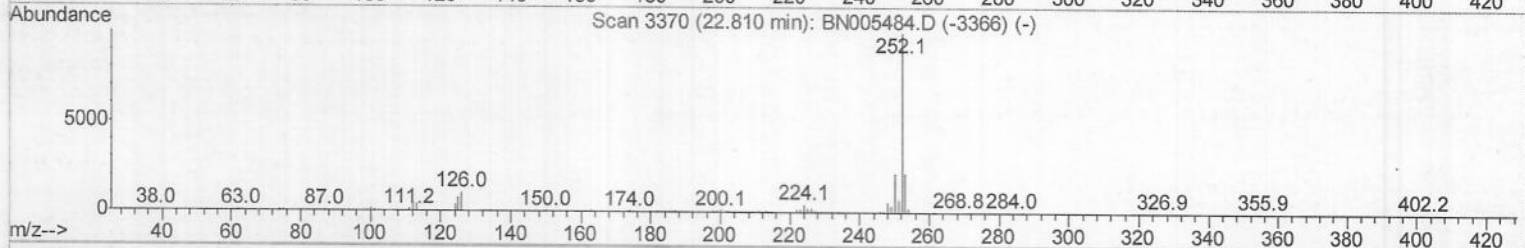
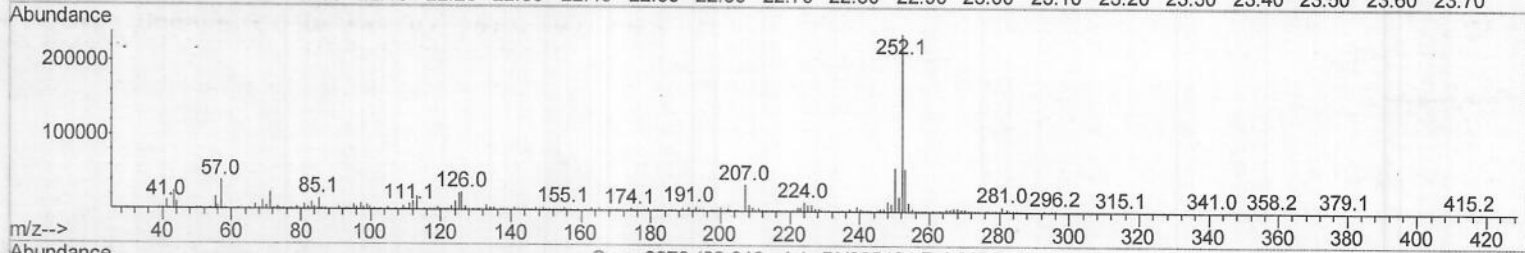
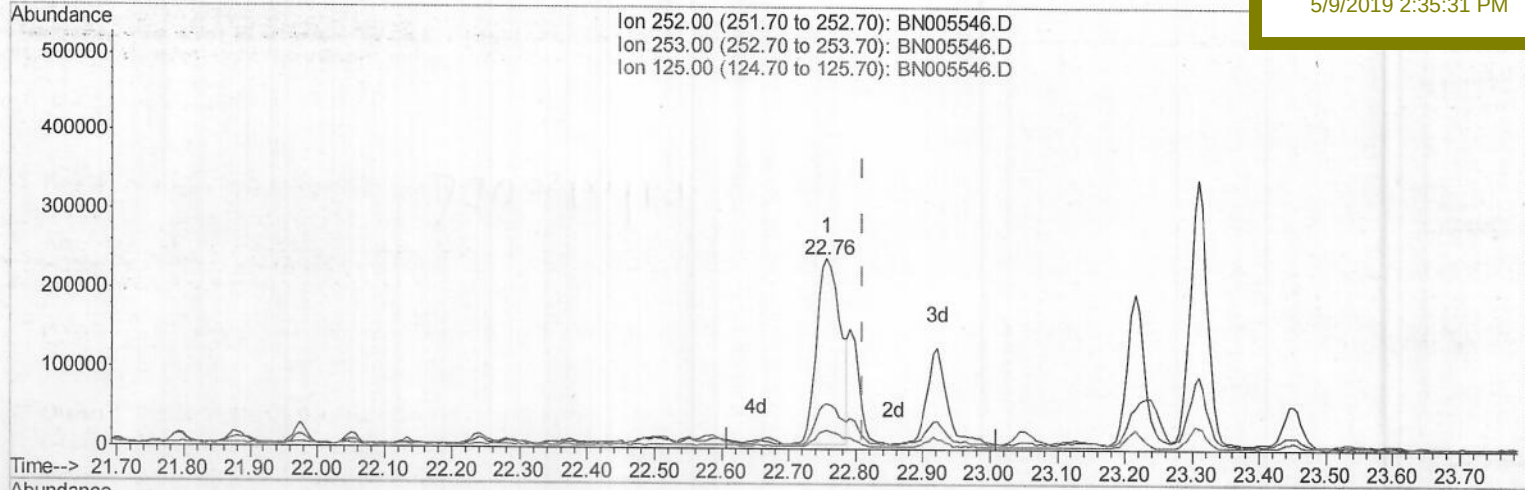
GAJ86

Manual Integrations

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Sohil

5/9/2019 2:35:31 PM



TIC: BN005546.D

(88) Benzo(k)fluoranthene

22.757min (-0.053) 8.10ng/ul

response 594690

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	24.01
125.00	9.40	10.01
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 02:34:30 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

Instrument :

BNA_N

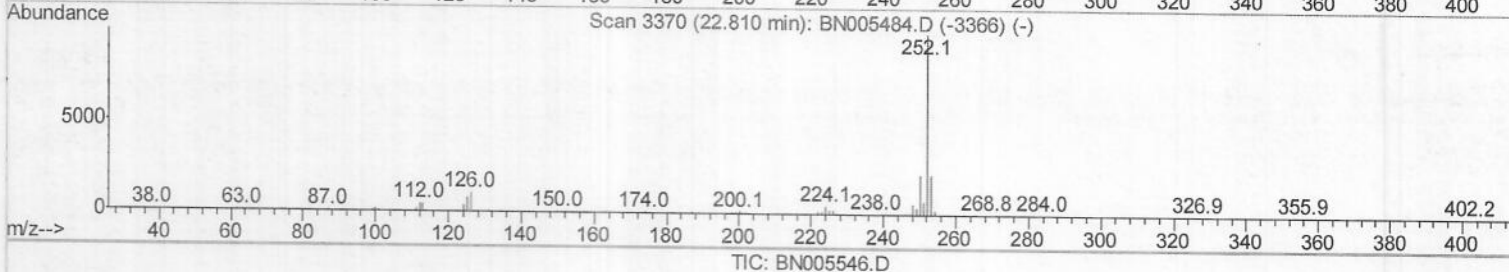
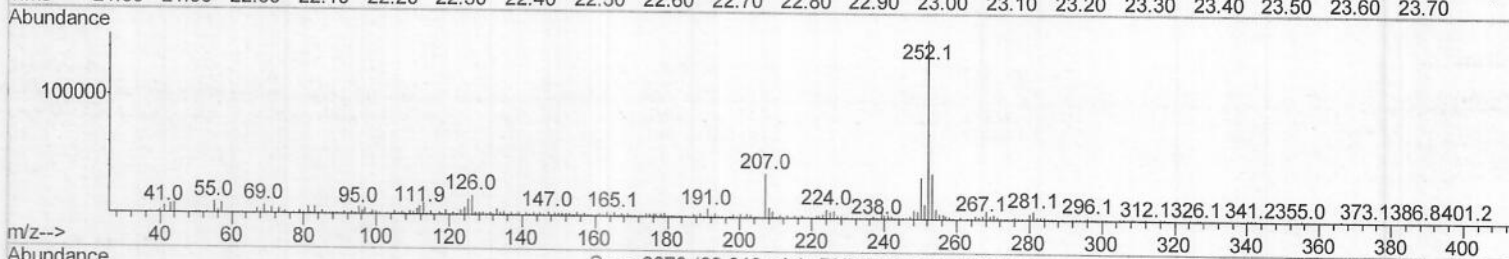
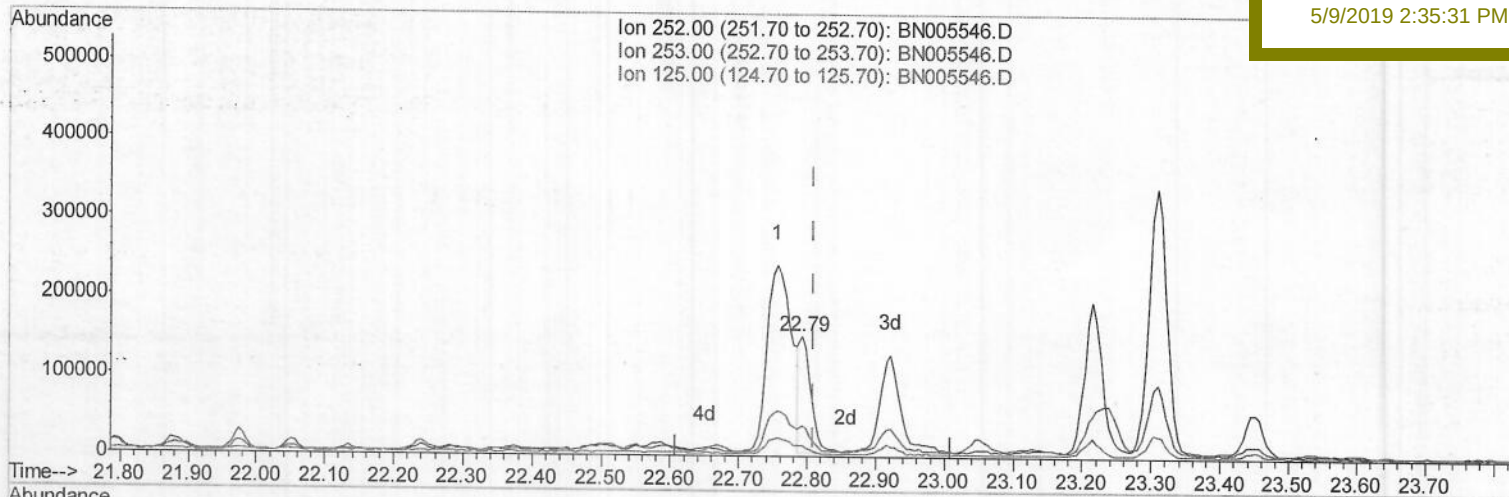
ClientSampleId :

GAJ86

Manual Integrations
APPROVED

Sohil

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(88) Benzo(k)fluoranthene

22.792min (-0.018) 2.18ng/ul m

response 159833

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	25.22
125.00	9.40	9.03
0.00	0.00	0.00

JU05/21/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\

Data File : BN005546.D

Acq On : 08 May 2019 23:27

Operator : JU/SJ

Sample : K2604-12 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 12:22:13 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

Instrument :

BNA_N

Client Sampled :

GAJ86

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	299859	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1190800	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	804306	20.00	ng/ul	0.01
61) Phenanthrene-d10	16.99	188	1761324	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1481143	20.00	ng/ul	-0.01
85) Perylene-d12	23.40	264	1367926	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	3870	0.62	ng/uL	0.00
5) Phenol-d5	6.78	99	84885	3.60	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.93	67	57707	3.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	72844	4.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	58784	3.19	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	48444	6.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	35656	4.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	78398	4.60	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.65	166	252036	4.32	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	321362	4.48	ng/ul	0.01
51) 4-Nitrophenol-d4	14.45	143	59895	6.50	ng/ul	0.00
57) Fluorene-d10	15.23	176	227795	4.65	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.40	200	13161m)	1.66	ng/ul	0.04
70) Anthracene-d10	17.08	188	352787	4.78	ng/ul	0.00
78) Pyrene-d10	19.39	212	385423	5.09	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	284689	4.76	ng/ul	-0.02

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.42	128	22047841m)	398.275	ng/ul	
34) 2-Methylnaphthalene	12.05	142	23565567m)	581.377	ng/ul	
40) 1,1'-Biphenyl	13.06	154	1839961	30.703	ng/ul	98
44) Dimethylphthalate	13.69	163	72400	1.244	ng/ul#	68
47) Acenaphthylene	13.95	152	895387	12.705	ng/ul#	75
49) Acenaphthene	14.30	153	3172850	65.948	ng/ul	99
53) Dibenzofuran	14.63	168	909055m)	13.124	ng/ul	
58) Fluorene	15.29	166	2712336	50.180	ng/ul#	97
69) Phenanthrene	17.03	178	10690869	124.632	ng/ul	96
71) Anthracene	17.12	178	1995117	22.832	ng/ul	98
76) Fluoranthene	19.06	202	1749605	18.389	ng/ul#	95
79) Pyrene	19.42	202	2689272	28.199	ng/ul#	93
82) Benzo(a)anthracene	21.19	228	1001726m)	10.872	ng/ul	
84) Chrysene	21.25	228	863414	10.096	ng/ul	95
87) Benzo(b)fluoranthene	22.76	252	594690	7.734	ng/ul	97
88) Benzo(k)fluoranthene	22.79	252	159833m)	2.176	ng/ul	
90) Benzo(a)pyrene	23.31	252	603585	8.351	ng/ul#	90
91) Indeno(1,2,3-cd)pyrene	25.59	276	267585	3.349	ng/ul	96
92) Dibenzo(a,h)anthracene	25.59	278	81525	1.202	ng/ul#	77
93) Benzo(a,h,i)perylene	26.25	276	281512	4.260	ng/ul#	94

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