

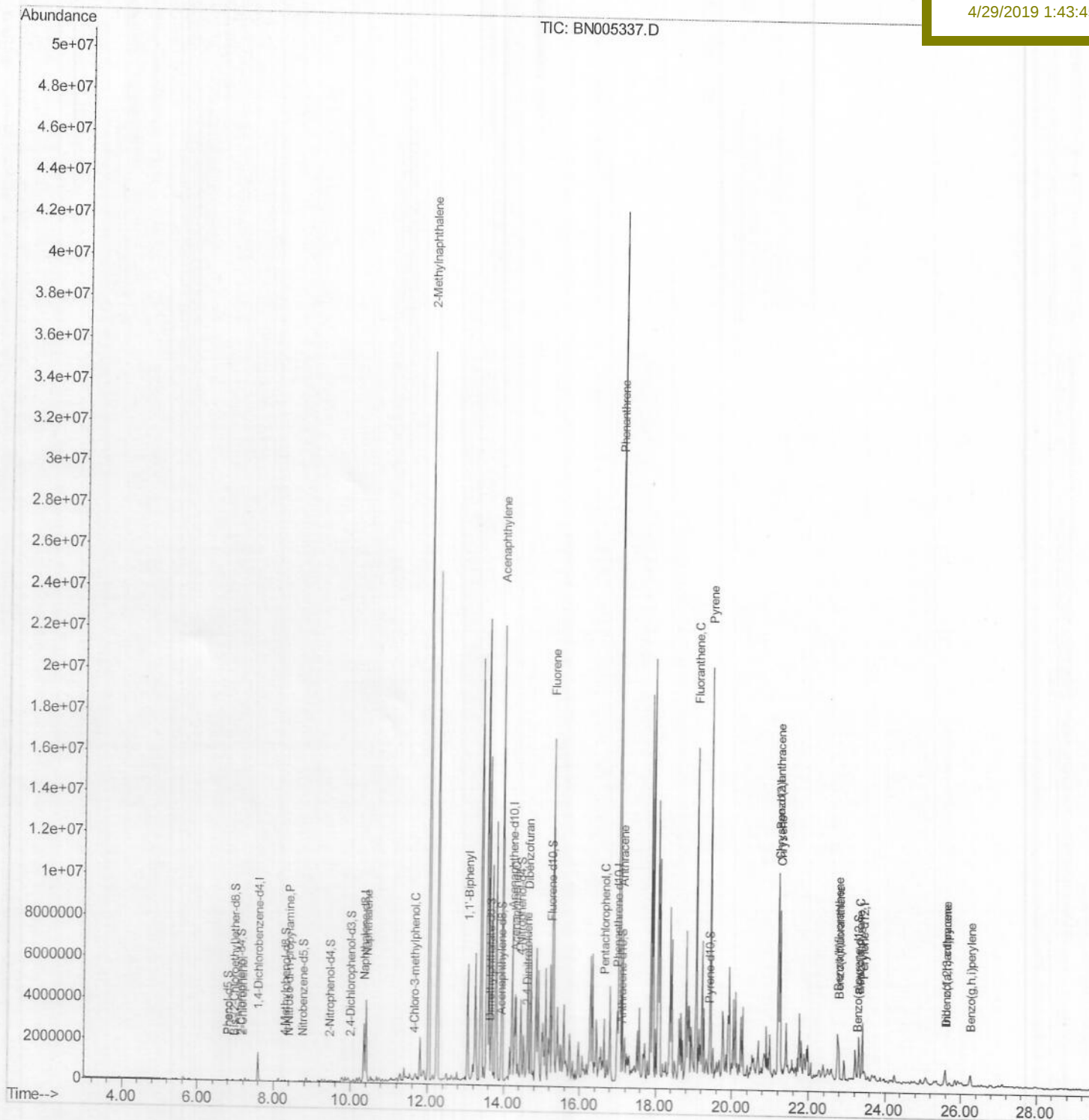
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
Data File : BN005337.D
Acq On : 27 Apr 2019 03:24
Operator : JU/SJ
Sample : K2481-09MSD 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 26 23:54:49 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHW2MSD

Manual Integrations APPROVED

Sohil
4/29/2019 1:43:45 PM



Quantitation Report (Qedit)

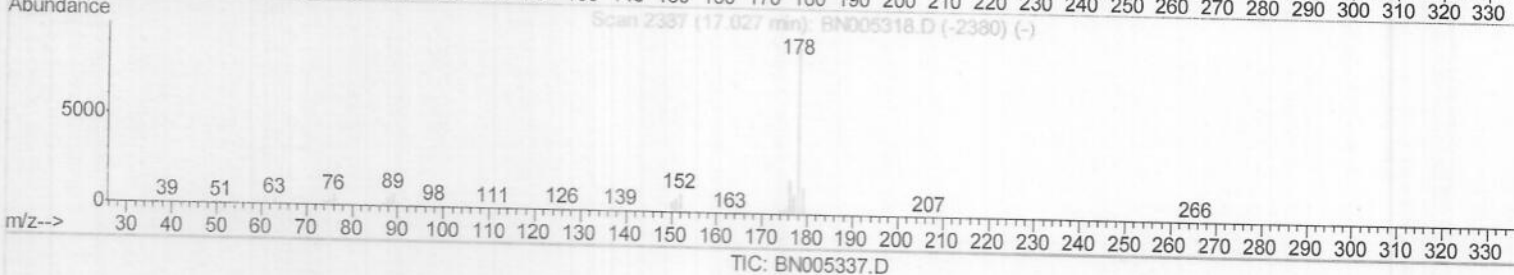
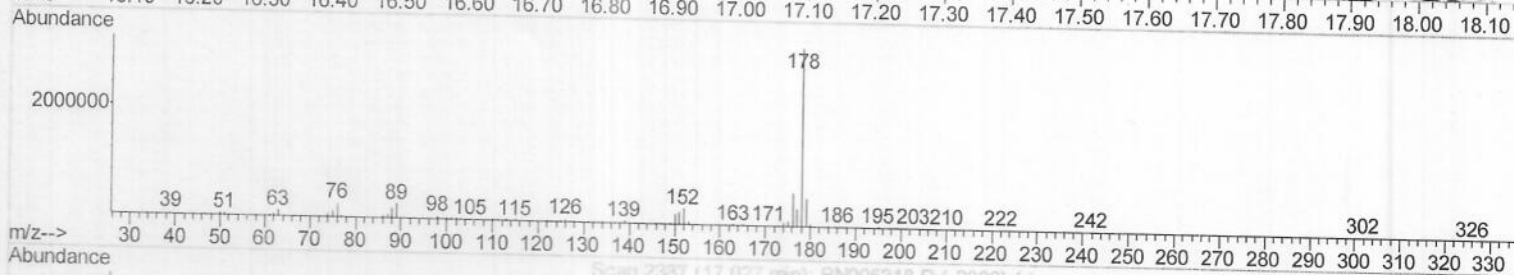
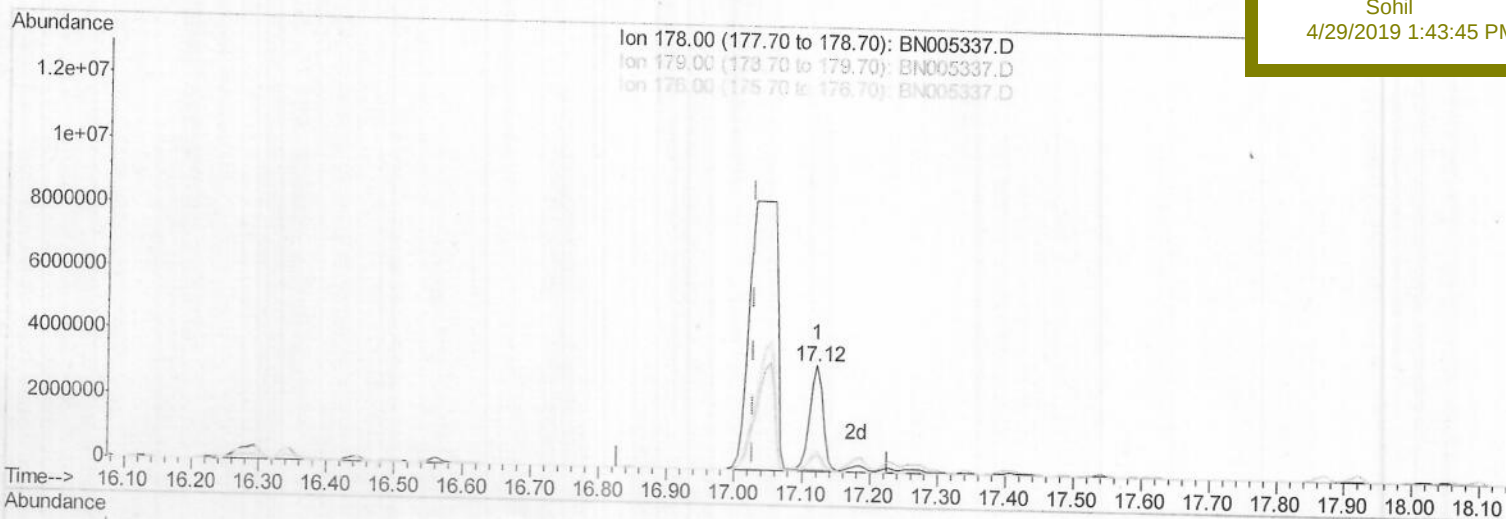
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
 Data File : BN005337.D
 Acq On : 27 Apr 2019 03:24
 Operator : JU/SJ
 Sample : K2481-09MSD 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:09:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sample Id :
 GAHW2MSD

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:45 PM



(69) Phenanthrene

17.122min (+0.094) 37.17ng/ul

response 4209018

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.69
176.00	18.90	18.35
0.00	0.00	0.00

Quantitation Report (Qedit)

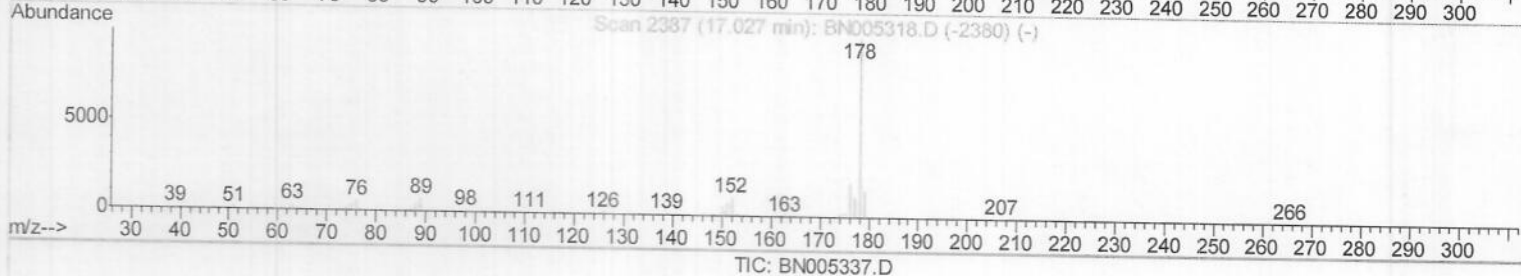
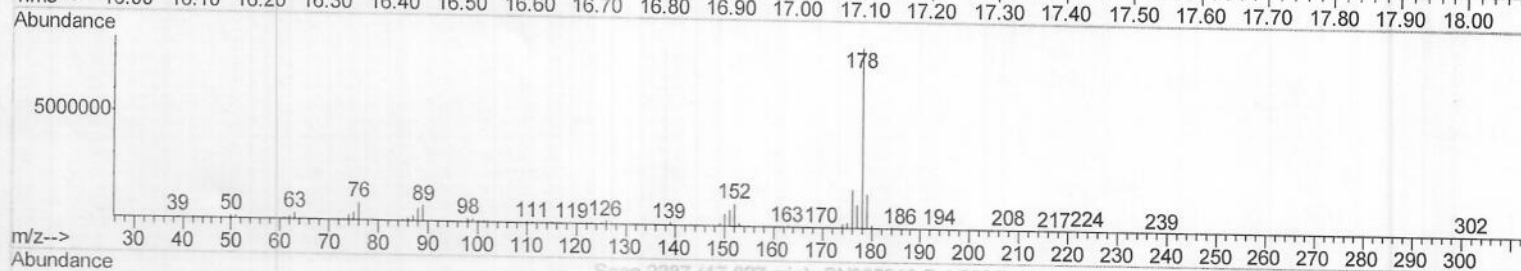
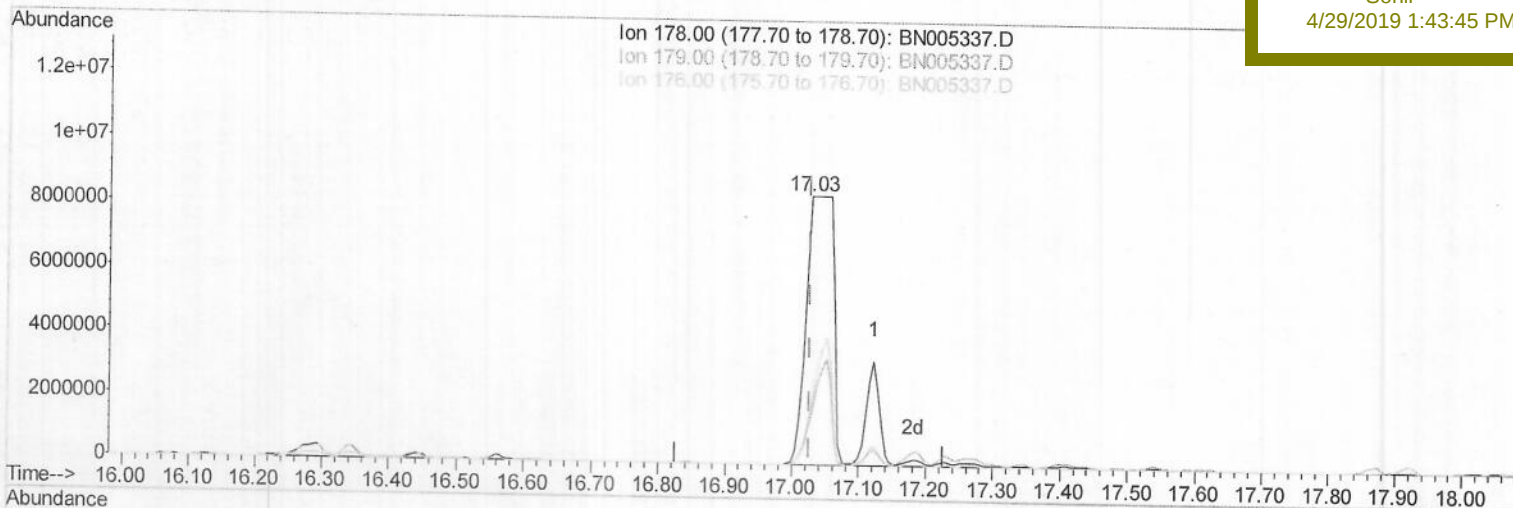
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
 Data File : BN005337.D
 Acq On : 27 Apr 2019 03:24
 Operator : JU/SJ
 Sample : K2481-09MSD 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:09:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 GAHW2MSD

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:45 PM



(69) Phenanthrene

17.027min (+0.000) 208.90ng/ul m

35 04/30/19

response 23656726

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	18.21
176.00	18.90	21.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
 Data File : BN005337.D
 Acq On : 27 Apr 2019 03:24
 Operator : JU/SJ
 Sample : K2481-09MSD 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:09:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Instrument :

BNA_N

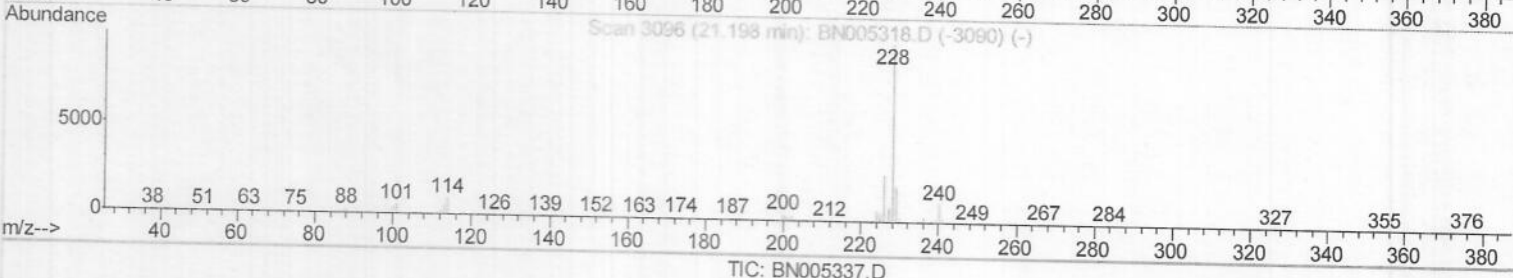
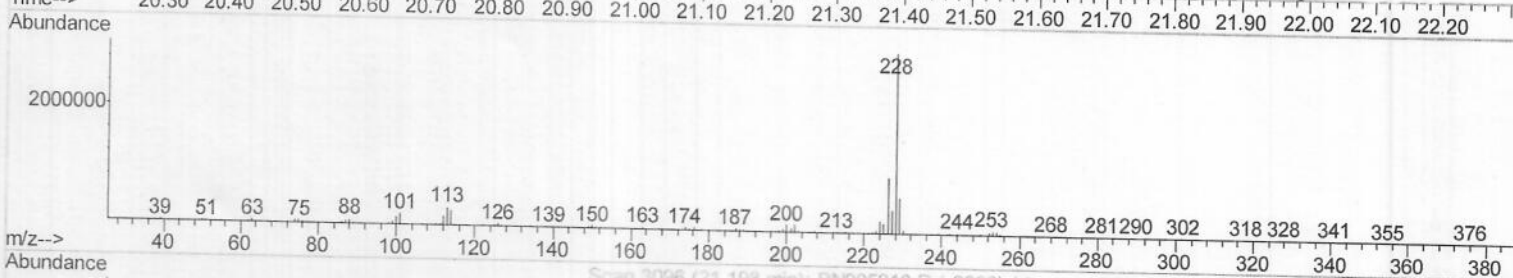
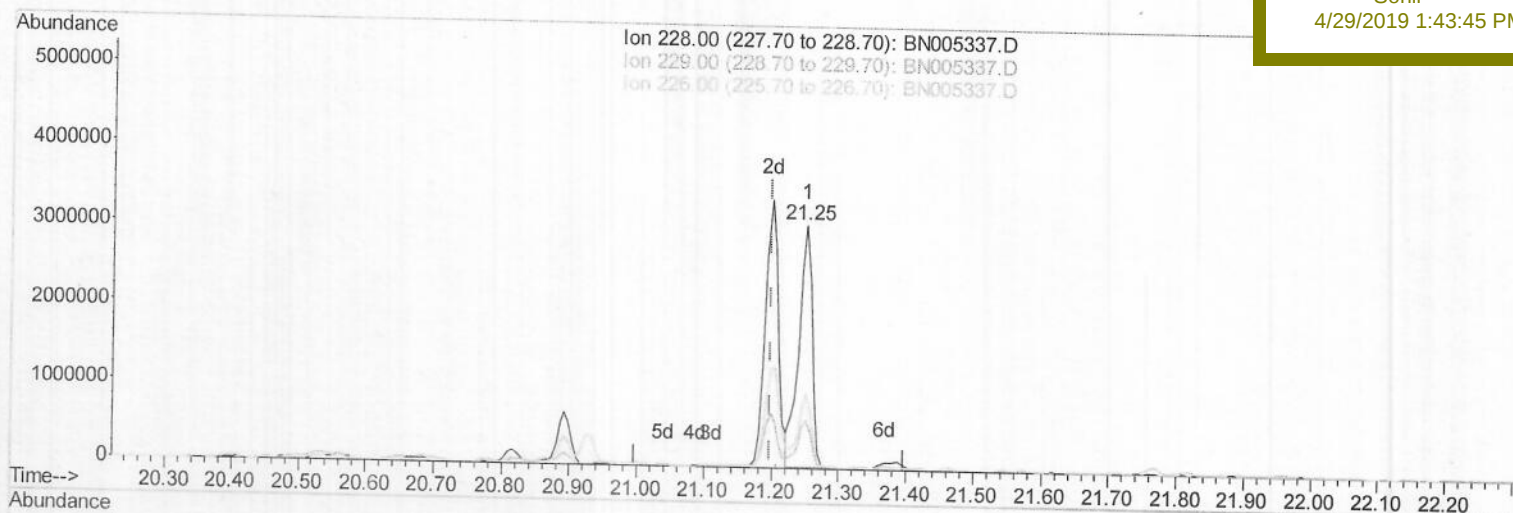
ClientSampleId :

GAHW2MSD

Manual Integrations
 APPROVED

Sohil

4/29/2019 1:43:45 PM



(82) Benzo(a)anthracene

21.251min (+0.053) 32.50ng/ul

response 4208822

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.11
226.00	26.80	30.53
0.00	0.00	0.00

Quantitation Report (Qedit)

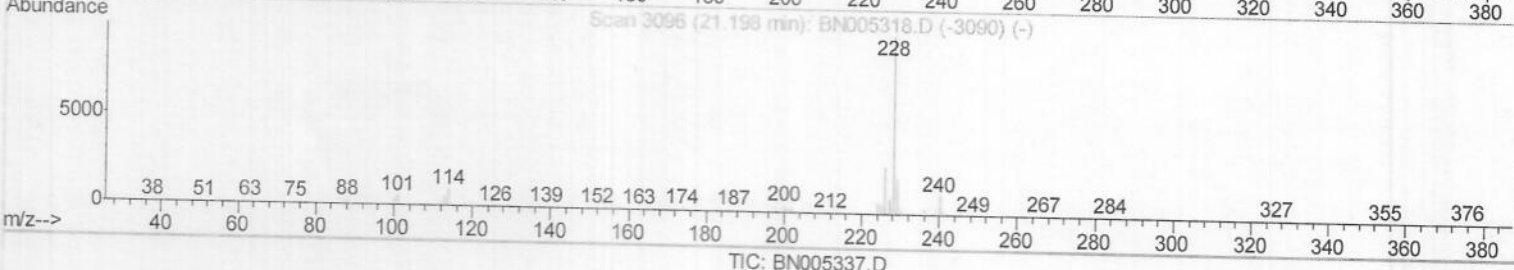
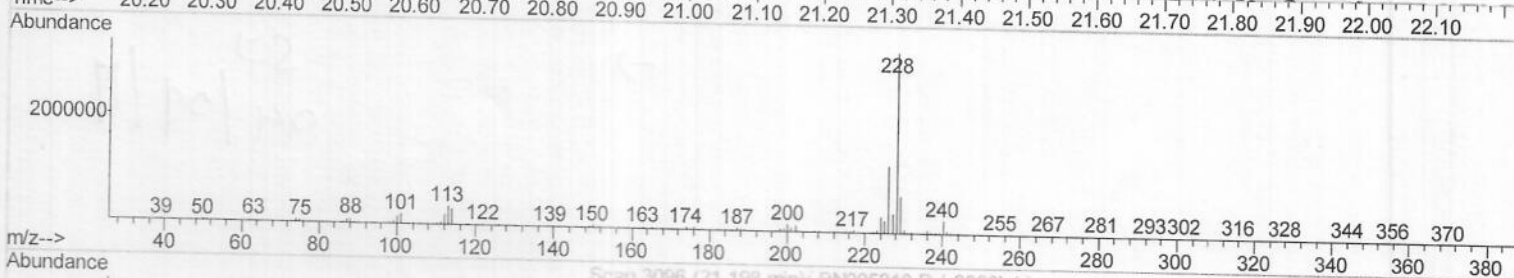
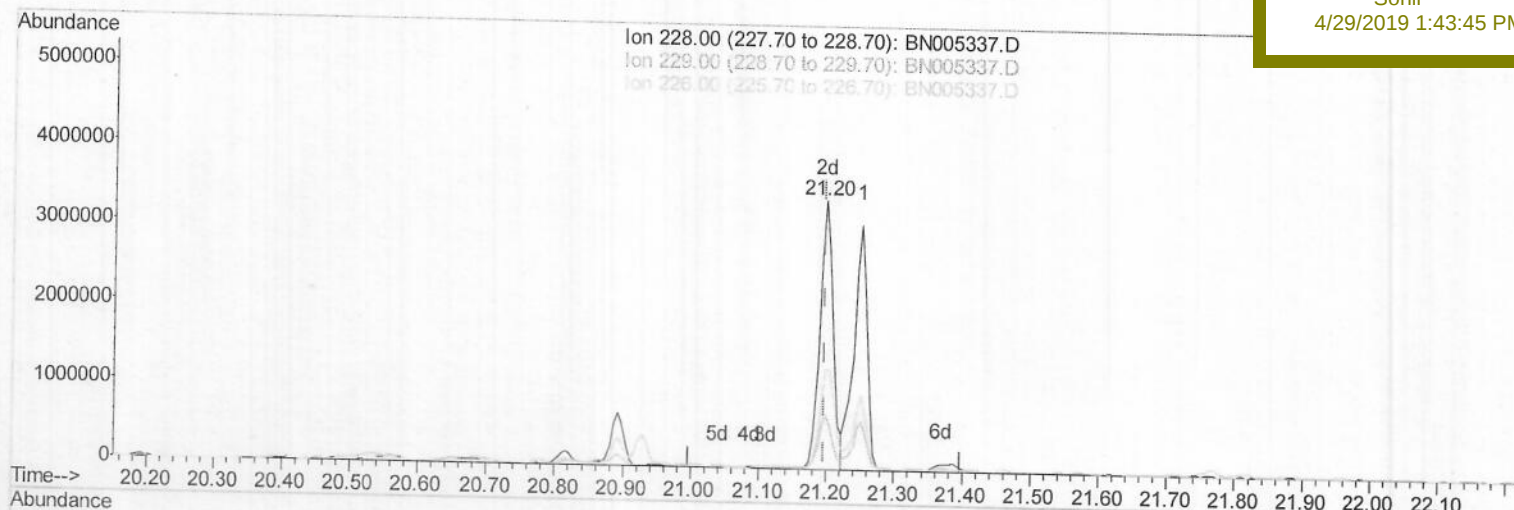
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
 Data File : BN005337.D
 Acq On : 27 Apr 2019 03:24
 Operator : JU/SJ
 Sample : K2481-09MSD 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:09:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 GAHW2MSD

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:45 PM



(82) Benzo(a)anthracene

21.198min (+0.000) 35.65ng/ul m

response 4616162

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.69
226.00	26.80	37.30#
0.00	0.00	0.00

5504130119

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
Data File : BN005337.D
Acq On : 27 Apr 2019 03:24
Operator : JU/SJ
Sample : K2481-09MSD 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:09:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 26 23:54:49 2019
Response via : Initial Calibration

Instrument :

BNA_N

Client Sample Id :

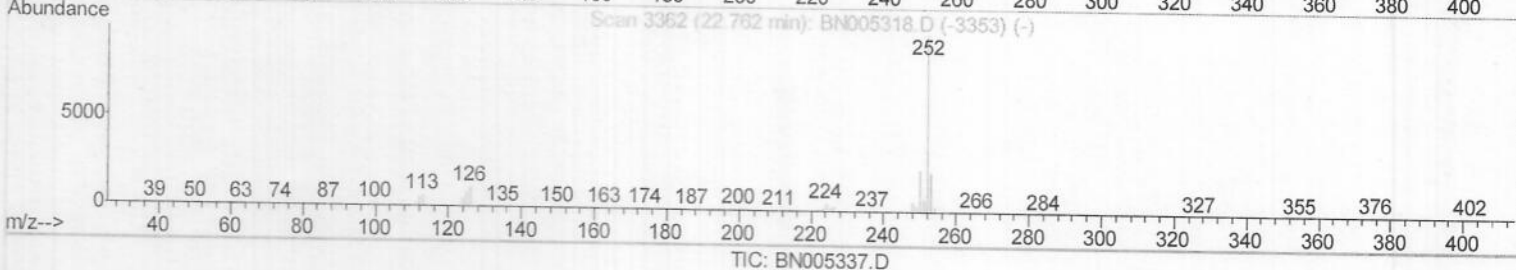
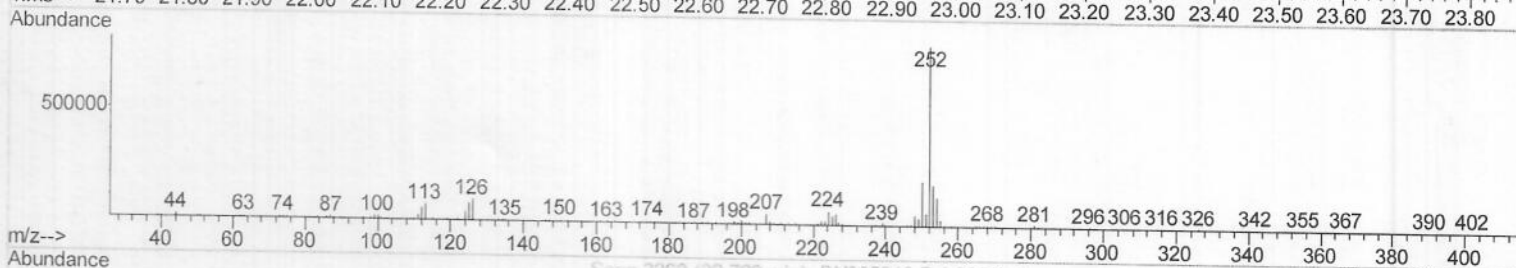
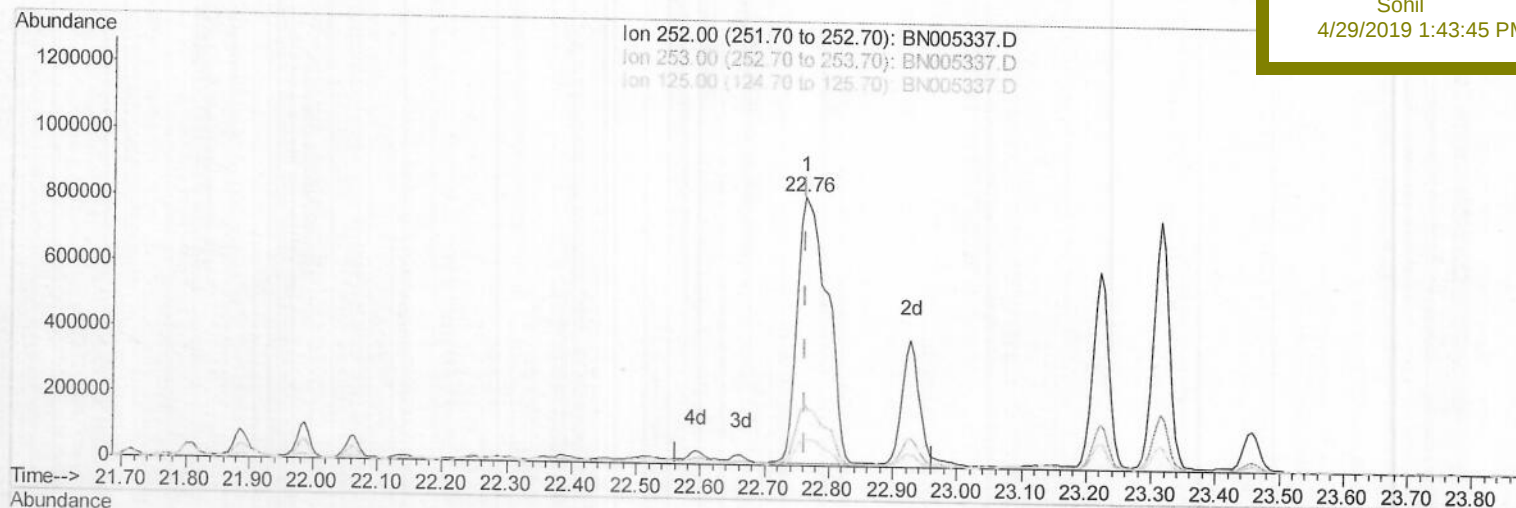
GAHW2MSD

Manual Integrations

APPROVED

Sohil

4/29/2019 1:43:45 PM



(87) Benzo(b)fluoranthene

22.762min (+0.000) 23.78ng/ul

response 2618605

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	22.86
125.00	10.50	9.59
0.00	0.00	0.00

Quantitation Report (Qedit)

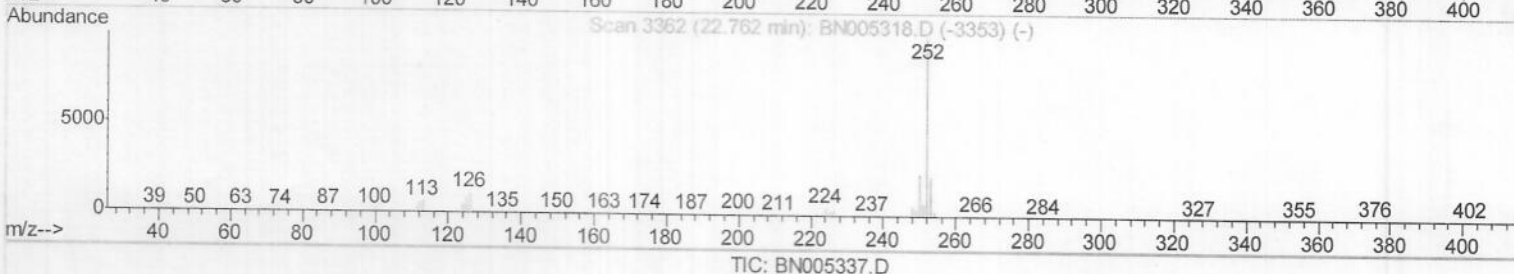
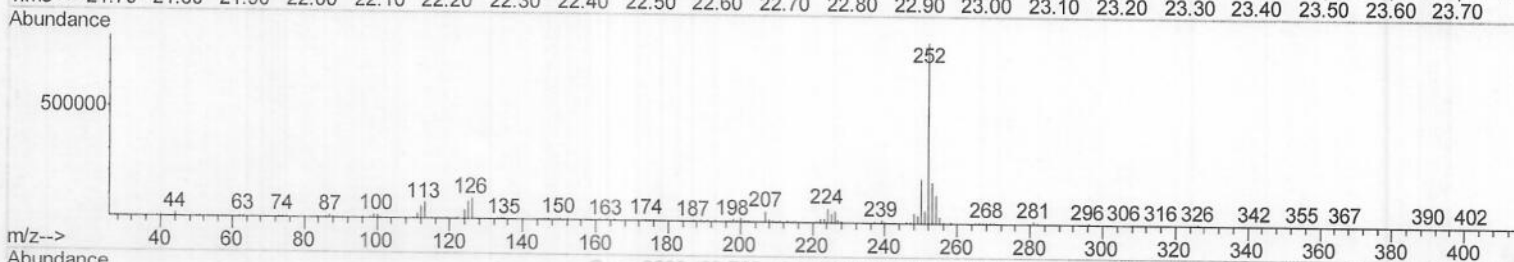
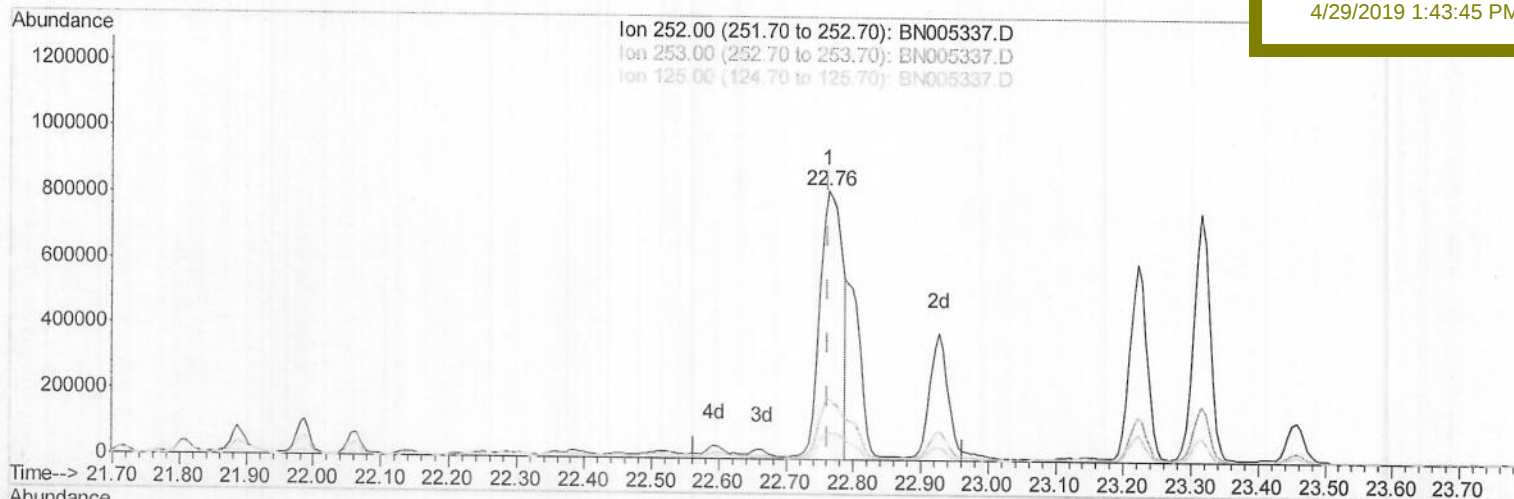
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
 Data File : BN005337.D
 Acq On : 27 Apr 2019 03:24
 Operator : JU/SJ
 Sample : K2481-09MSD 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:09:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sample Id :
 GAHW2MSD

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:45 PM



(87) Benzo(b)fluoranthene

22.762min (+0.000) 17.41ng/ul m *SJ 04/30/19*

response 1917390

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	22.86
125.00	10.50	9.59
0.00	0.00	0.00

Quantitation Report (Qedit)

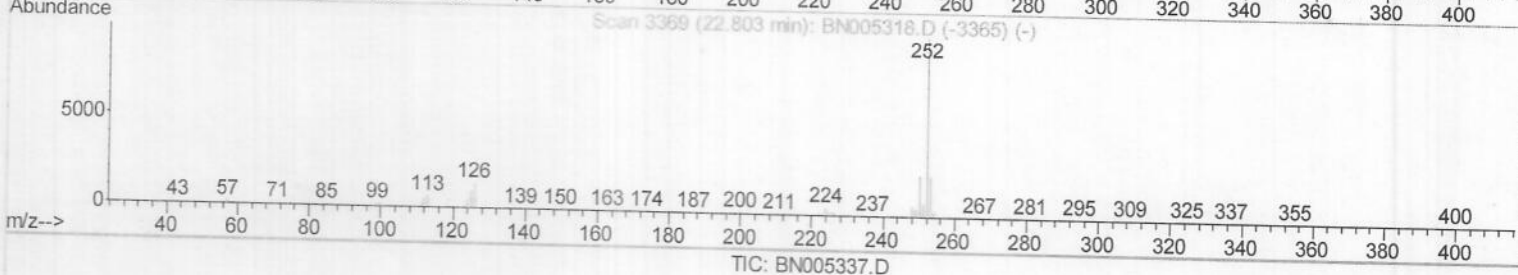
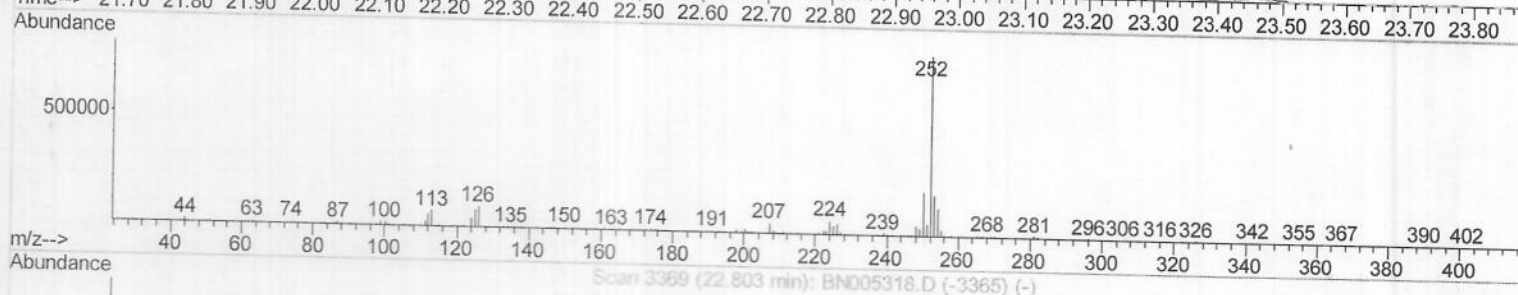
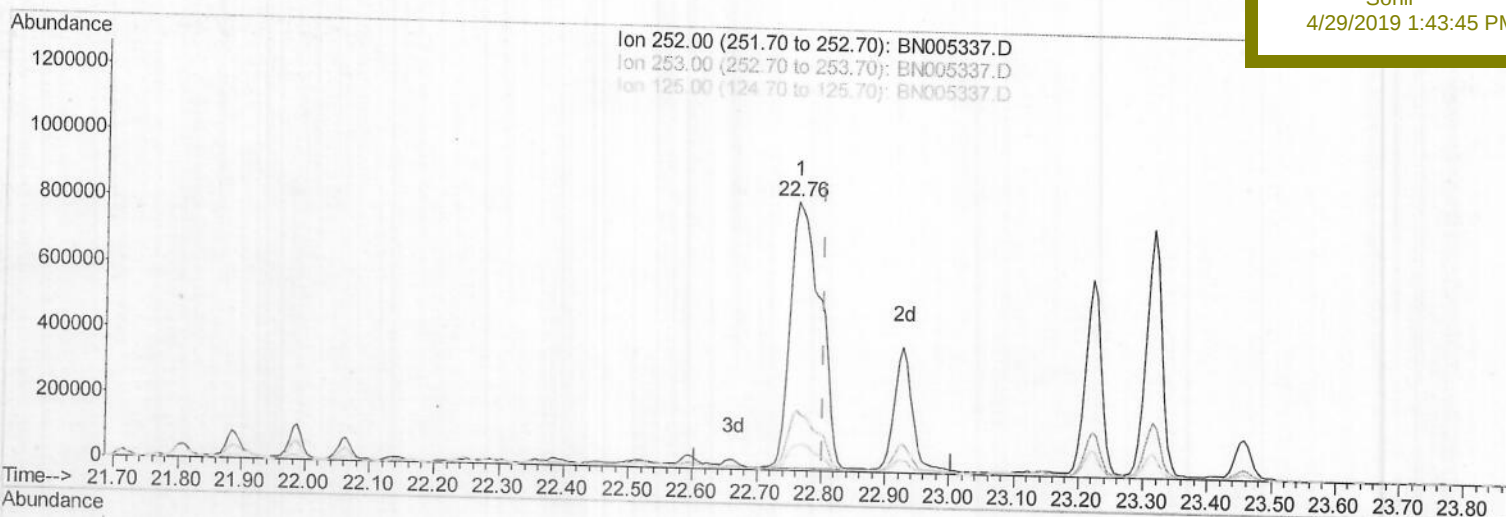
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
 Data File : BN005337.D
 Acq On : 27 Apr 2019 03:24
 Operator : JU/SJ
 Sample : K2481-09MSD 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:09:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sample Id :
 GAHW2MSD

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:45 PM



(88) Benzo(k)fluoranthene
 22.762min (-0.041) 24.90ng/ul
 response 2618605

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.86
125.00	9.40	9.59
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
Data File : BN005337.D
Acq On : 27 Apr 2019 03:24
Operator : JU/SJ
Sample : K2481-09MSD 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:09:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 26 23:54:49 2019
Response via : Initial Calibration

Instrument :

BNA_N

Client Sample Id :

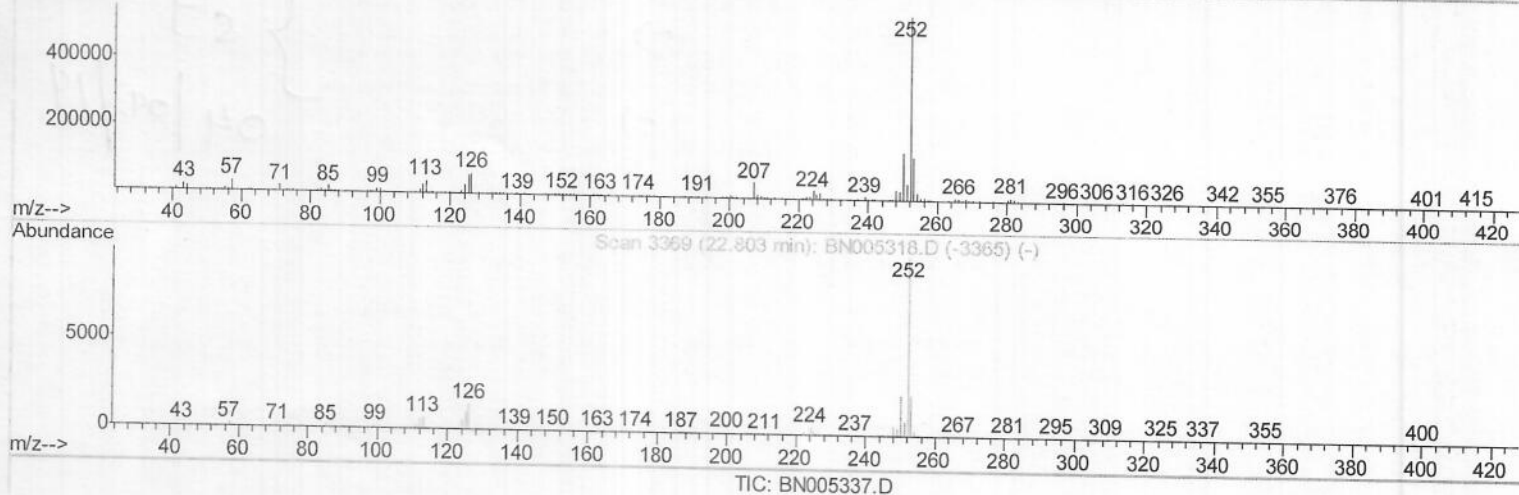
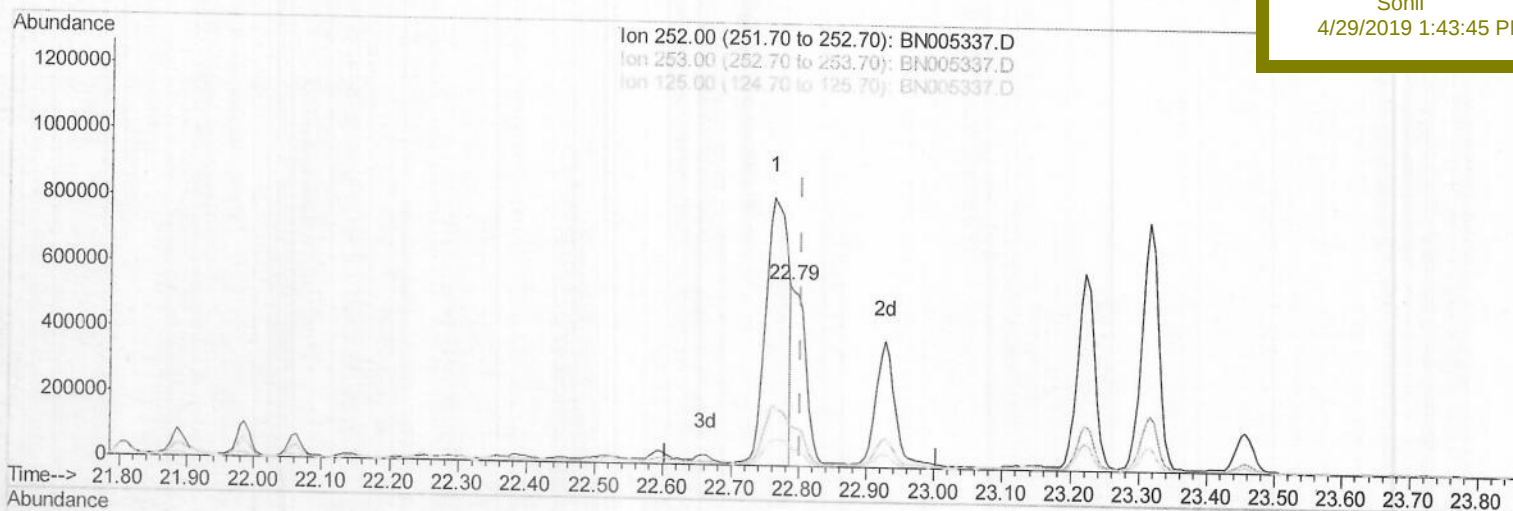
GAHW2MSD

Manual Integrations

APPROVED

Sohil

4/29/2019 1:43:45 PM



(88) Benzo(k)fluoranthene

22.786min (-0.018) 7.43ng/ul m

SJ 04/30/19

response 781348

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	23.04
125.00	9.40	10.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\

Data File : BN005337.D

Acq On : 27 Apr 2019 03:24

Operator : JU/SJ

Sample : K2481-09MSD 20X

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:12:16 2019

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

Quant Title : SVOA CALIBRATION

QLast Update : Fri Apr 26 23:54:49 2019

Response via : Initial Calibration

Instrument :

BNA_N

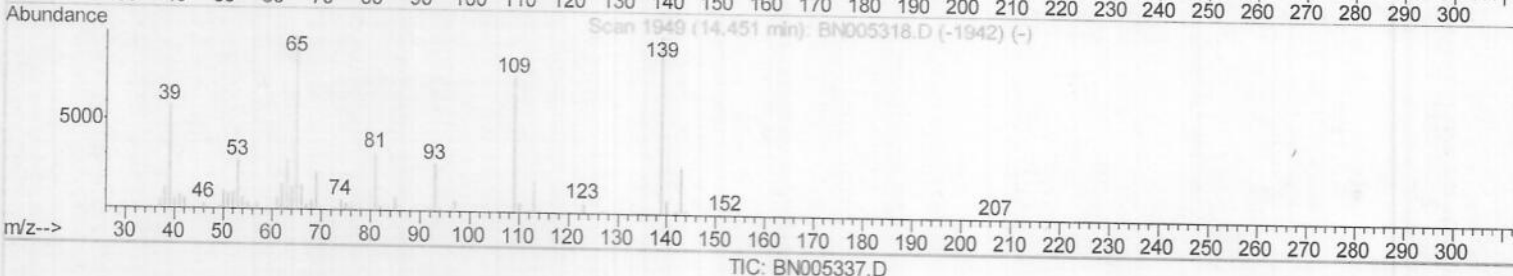
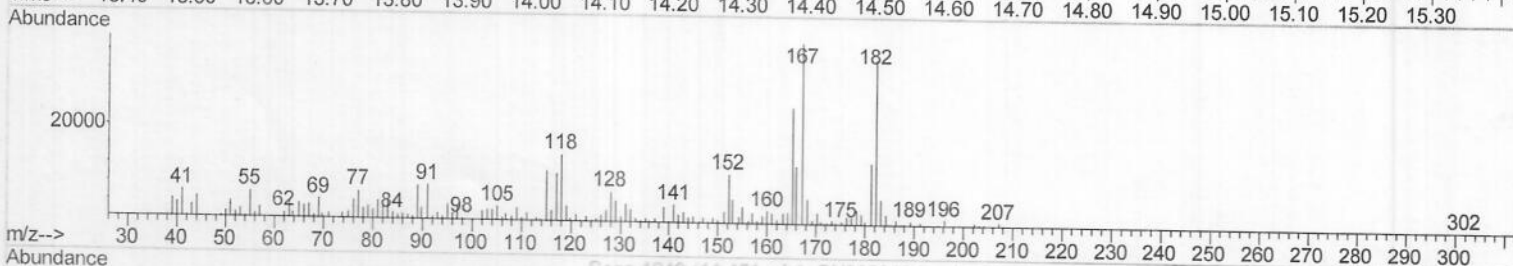
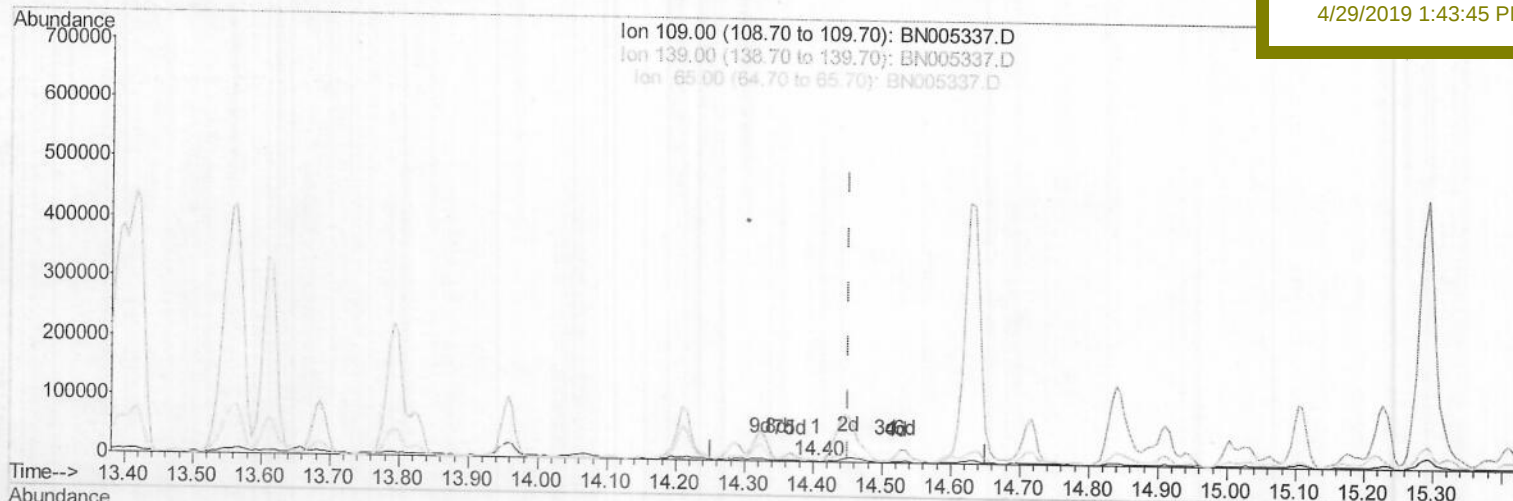
Client Sampled :

GAHW2MSD

Manual Integrations
APPROVED

Sohil

4/29/2019 1:43:45 PM



(52) 4-Nitrophenol

14.404min (-0.047) 0.17ng/ul

response 1850

Ion	Exp%	Act%
109.00	100	100
139.00	115.40	119.35
65.00	121.90	116.75
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
Data File : BN005337.D
Acq On : 27 Apr 2019 03:24
Operator : JU/SJ
Sample : K2481-09MSD 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:12:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 26 23:54:49 2019
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

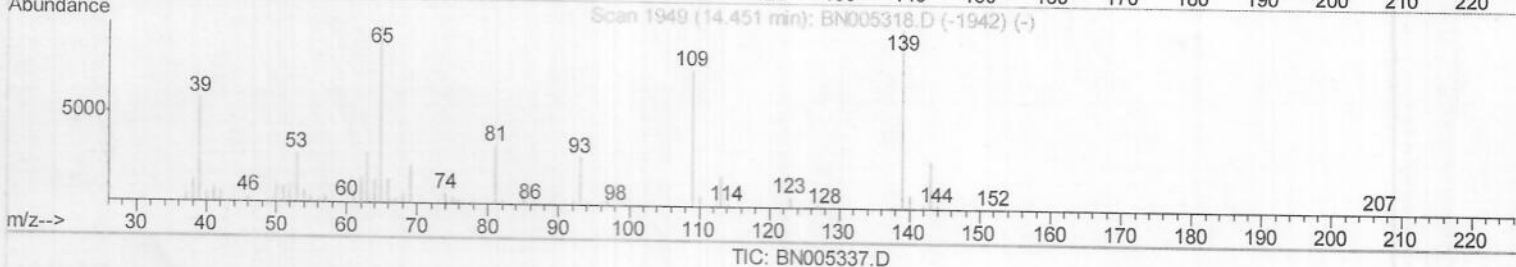
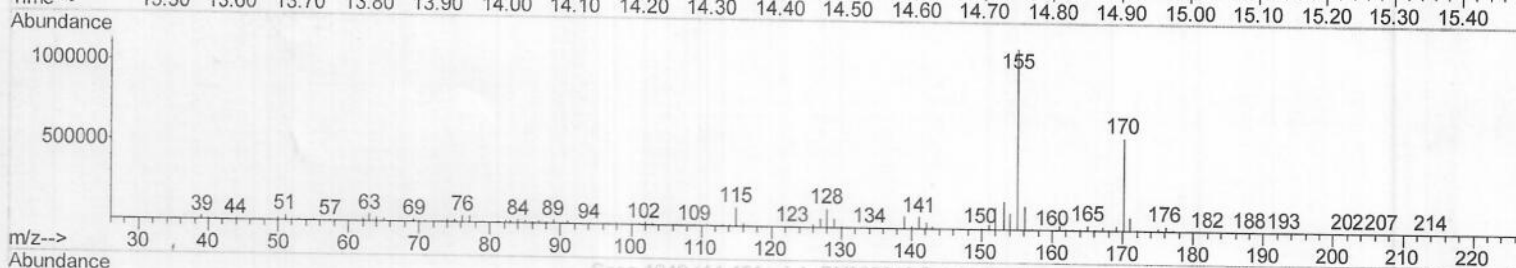
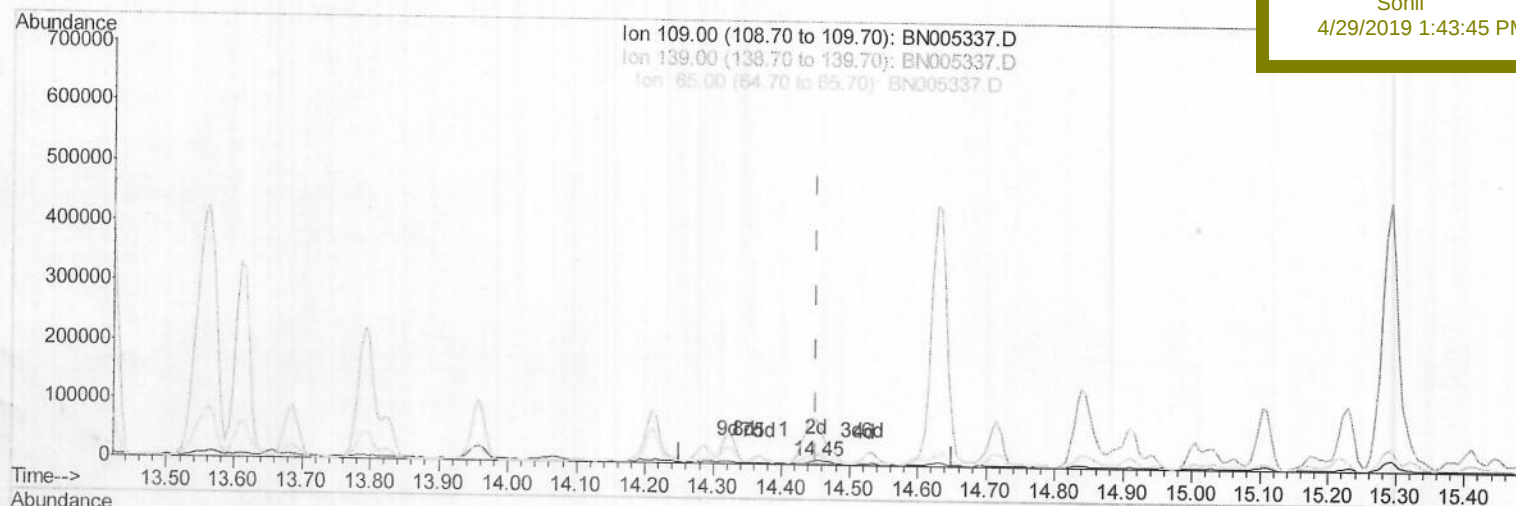
GAHW2MSD

Manual Integrations

APPROVED

Sohil

4/29/2019 1:43:45 PM



(52) 4-Nitrophenol

14.451min (+0.000) 1.08ng/ul m

response 11645

Ion	Exp%	Act%
109.00	100	100
139.00	115.40	977.69#
65.00	121.90	228.29#
0.00	0.00	0.00

55.413019

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
 Data File : BN005337.D
 Acq On : 27 Apr 2019 03:24
 Operator : JU/SJ
 Sample : K2481-09MSD 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 GAHW2MSD

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:45 PM

Quant Time: Apr 27 04:13:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	370078	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1629575	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1040686	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2325297	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2081704	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1958871	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	814	0.11	ng/uL	0.00
5) Phenol-d5	6.78	99	27958	0.96	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.94	67	16684	0.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	21479	0.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	23810	1.05	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	12016	1.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	12846	1.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	26390	1.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	17870	0.74	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	110783	1.47	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	114946	1.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	26282	2.20	ng/ul	0.00
57) Fluorene-d10	15.23	176	99425	1.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	4817	0.46	ng/ul	0.02
70) Anthracene-d10	17.09	188	132948	1.36	ng/ul	0.00
78) Pyrene-d10	19.39	212	149779	1.41	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	114652	1.34	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.80	94	26958	0.902	ng/ul	97
10) 2-Chlorophenol	7.16	128	20818	0.905	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.39	70	18032	0.927	ng/ul#	89
28) Naphthalene	10.40	128	3038706	40.112	ng/ul	99
33) 4-Chloro-3-methylphenol	11.65	107	29555	1.141	ng/ul#	61
34) 2-Methylnaphthalene	12.04	142	19905699	358.858	ng/ul	91
40) 1,1'-Biphenyl	13.06	154	2794659	36.041	ng/ul	98
47) Acenaphthylene	13.96	152	12535630	137.475	ng/ul#	93
49) Acenaphthene	14.29	153	1626218	26.124	ng/ul	98
52) 4-Nitrophenol	14.45	109	11645m	1.076	ng/ul	98
53) Dibenzofuran	14.63	168	1792142	19.996	ng/ul	98
54) 2,4-Dinitrotoluene	14.60	165	143671	7.668	ng/ul#	43
58) Fluorene	15.29	166	8515997	121.766	ng/ul	97
68) Pentachlorophenol	16.65	266	15246	1.044	ng/ul	95
69) Phenanthrene	17.03	178	23656726m	208.897	ng/ul	99
71) Anthracene	17.12	178	4206648	36.464	ng/ul	99
76) Fluoranthene	19.06	202	8521301	67.839	ng/ul	99
79) Pyrene	19.43	202	12628489	94.218	ng/ul	99
82) Benzo(a)anthracene	21.20	228	4616162m	35.645	ng/ul	99
84) Chrysene	21.25	228	4209619	35.024	ng/ul	99
87) Benzo(b)fluoranthene	22.76	252	1917390m	17.413	ng/ul	99
88) Benzo(k)fluoranthene	22.79	252	781348m	7.430	ng/ul	99
90) Benzo(a)pyrene	23.32	252	1274768	12.316	ng/ul	98

5J04/30/19

5J04/30/19

5J04/30/19

5J04/30/19

5J04/30/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042619\
Data File : BN005337.D
Acq On : 27 Apr 2019 03:24
Operator : JU/SJ
Sample : K2481-09MSD 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 27 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 26 23:54:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.59	276	667927	5.837	ng/ul	96
92) Dibenzo(a,h)anthracene	25.60	278	252188	2.597	ng/ul	98
93) Benzo(g,h,i)perylene	26.25	276	560582	5.925	ng/ul	98

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

Instrument :
BNA_N
ClientSampleId :
GAHW2MSD

Manual Integrations
APPROVED

Sohil
4/29/2019 1:43:45 PM