

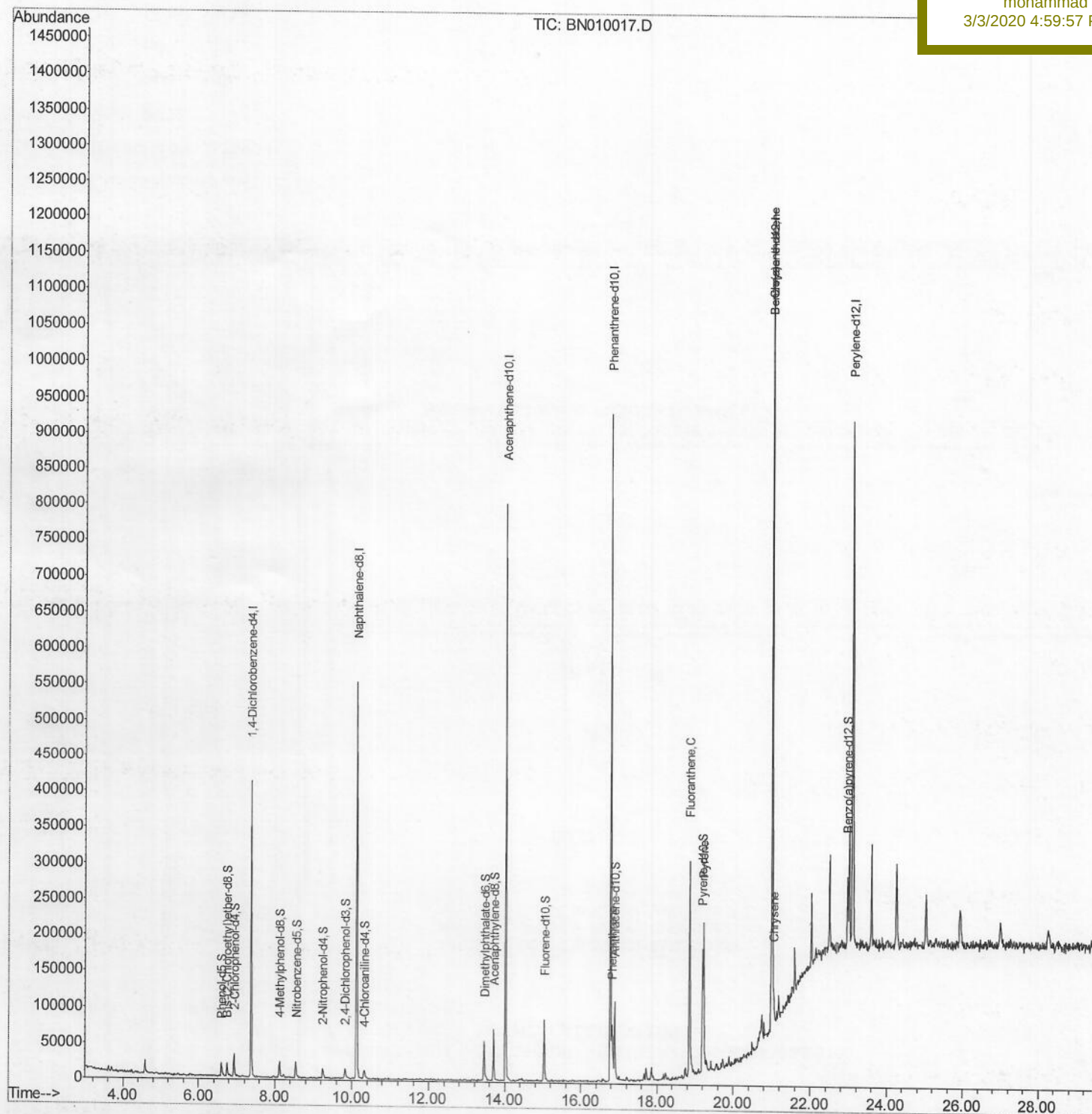
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010017.D
Acq On : 29 Feb 2020 10:30
Operator : CG/JU
Sample : L1516-19RX
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:51:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 02 08:34:35 2020
Response via : Initial Calibration

Instrument :
BNA_N
Client Sampled :
DBD77RX

Manual Integrations
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3/3/2020 4:59:57 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

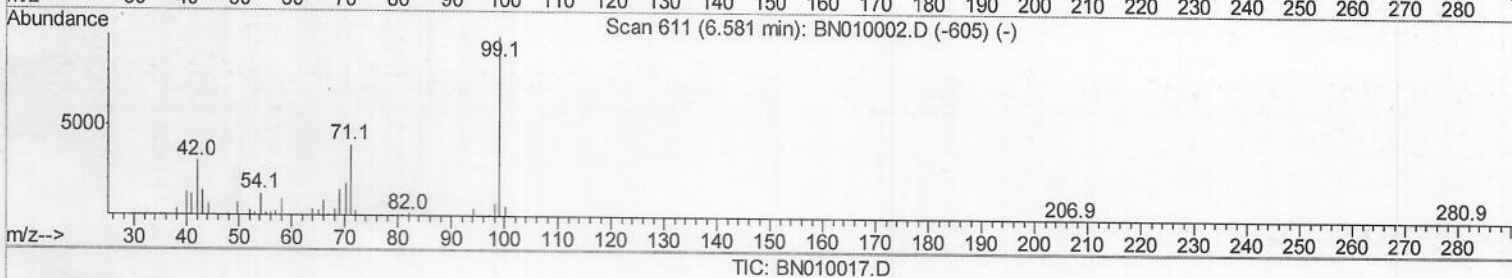
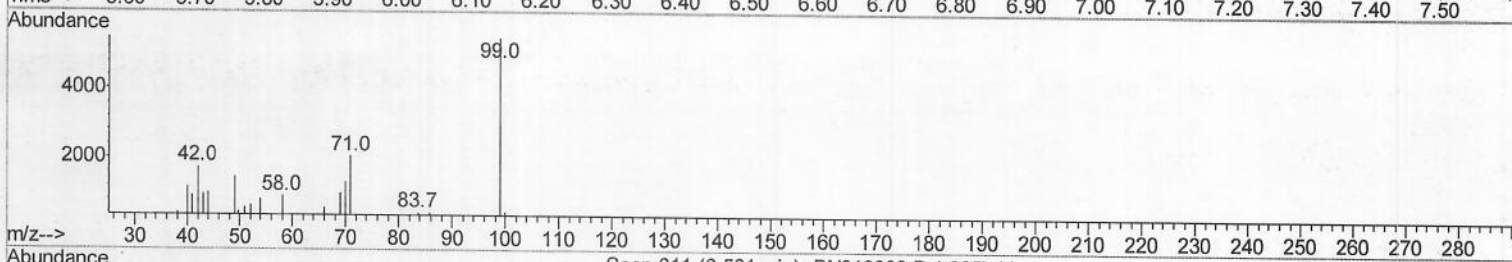
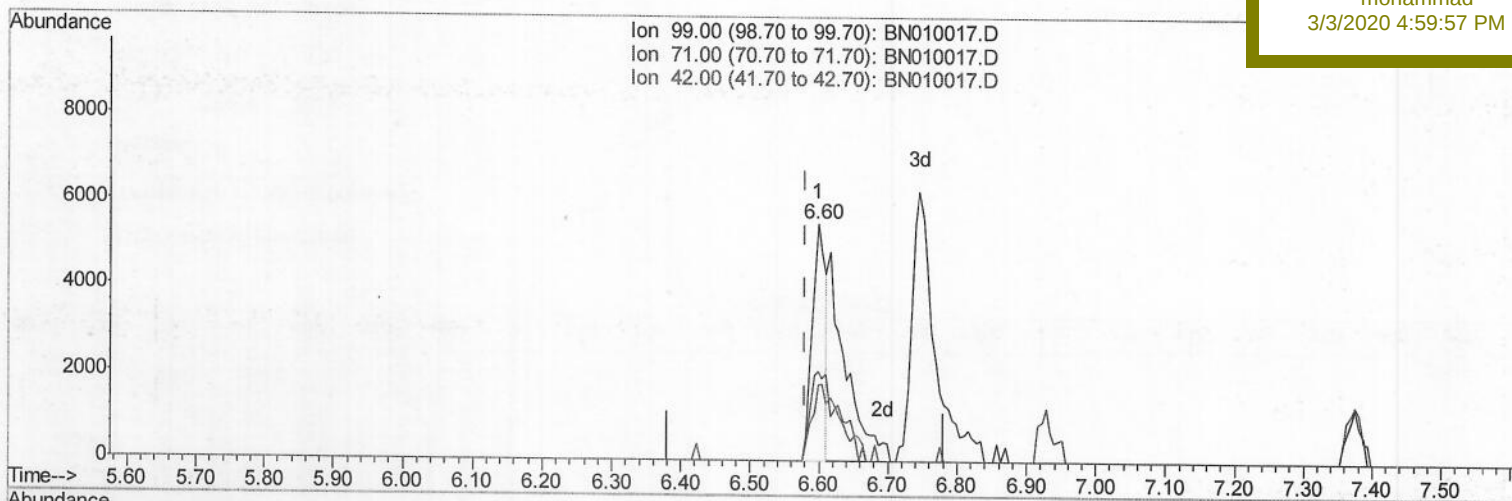
DBD77RX

Manual Integrations

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(5) Phenol-d5 (S)

6.599min (+0.018) 0.90ng/ul

response 7580

Ion	Exp%	Act%
99.00	100	100
71.00	38.10	37.51
42.00	28.80	31.41
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

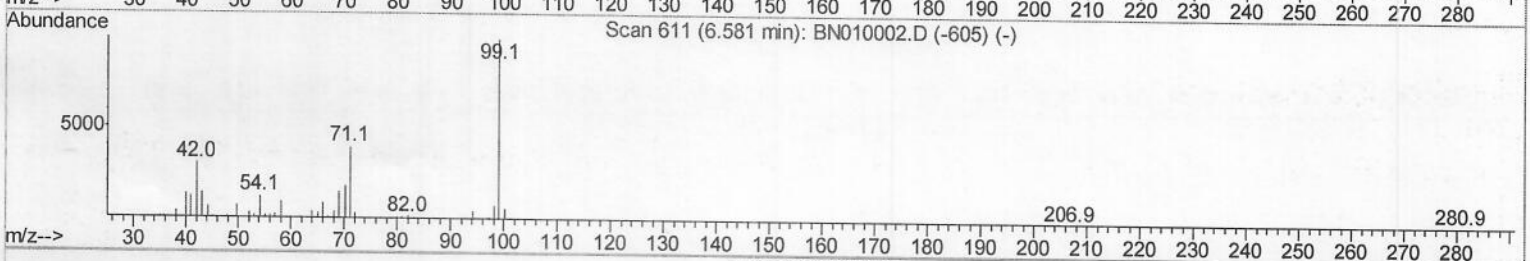
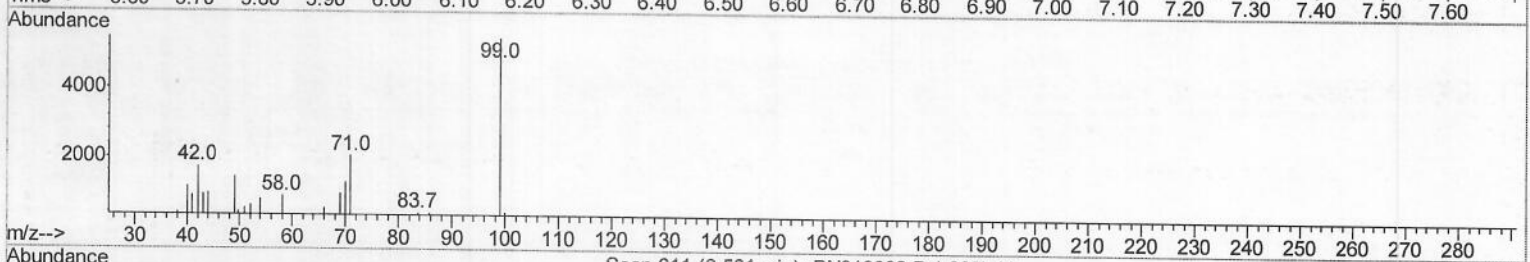
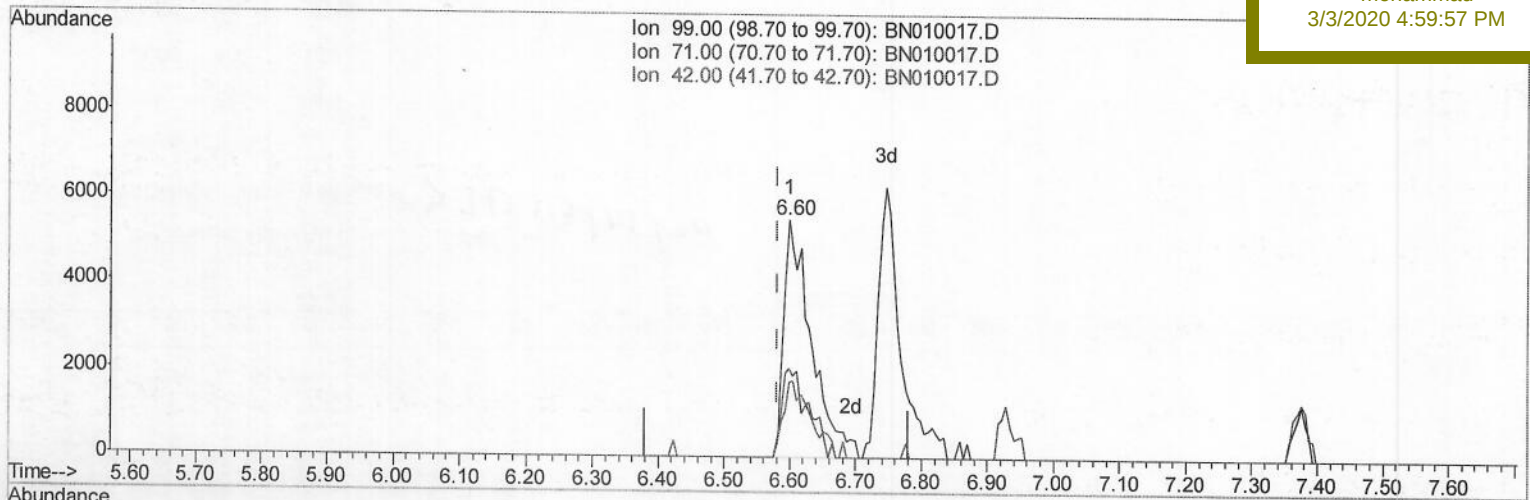
DBD77RX

Manual Integrations

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TIC: BN010017.D

(5) Phenol-d5 (S)

6.599min (+0.018) 1.88ng/ul m

response 15826

Ion	Exp%	Act%
99.00	100	100
71.00	38.10	37.51
42.00	28.80	31.41
0.00	0.00	0.00

JU 03/05/20

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

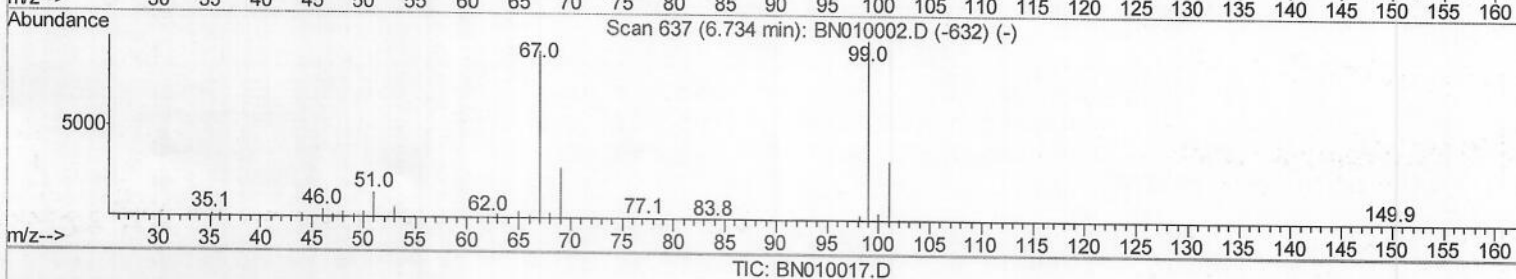
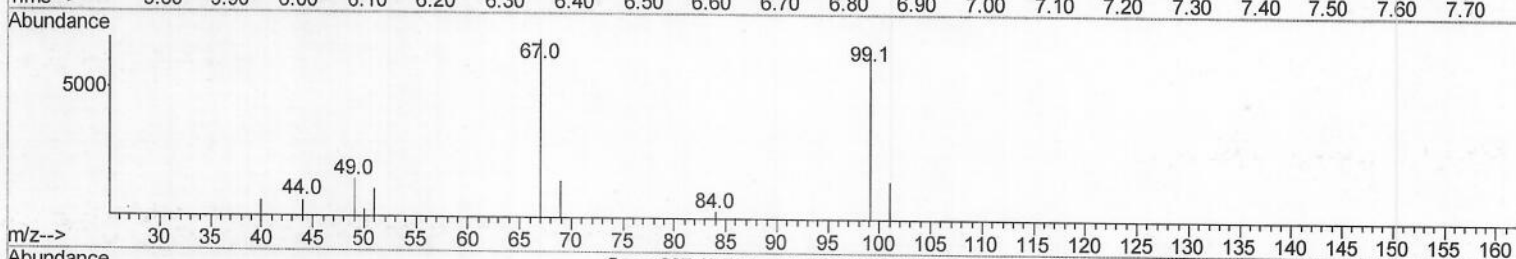
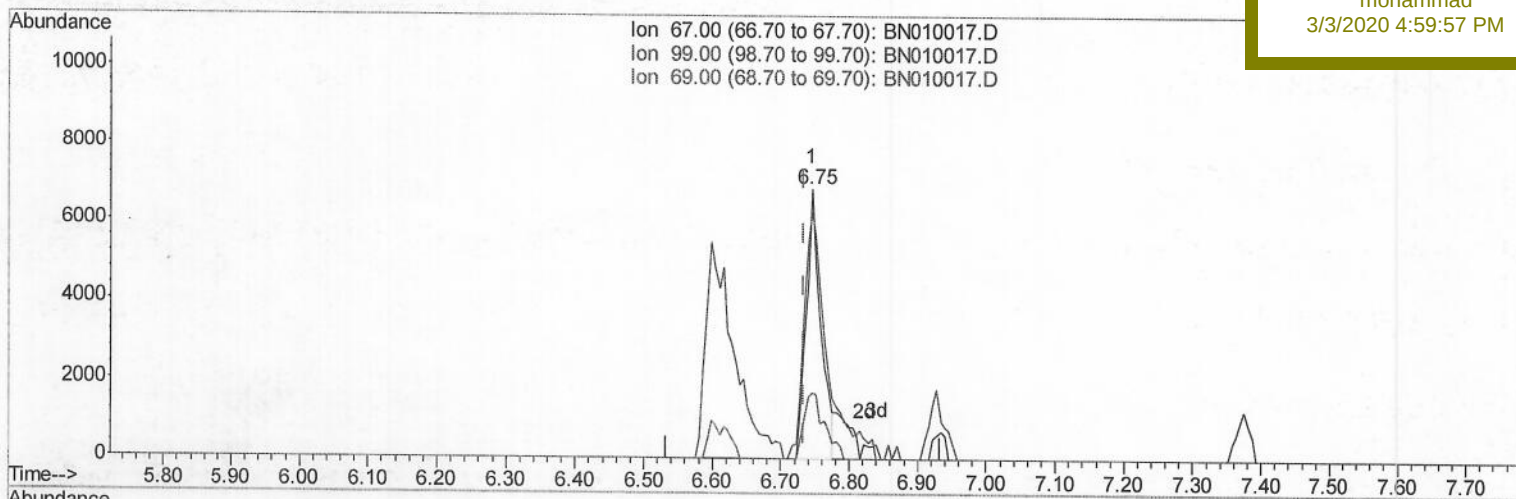
DBD77RX

Manual Integrations

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(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.746min (+0.012) 1.77ng/ul

response 10286

Ion	Exp%	Act%
67.00	100	100
99.00	106.90	91.24
69.00	28.30	24.47
0.00	0.00	0.00

Quantitation Report (Qedit)

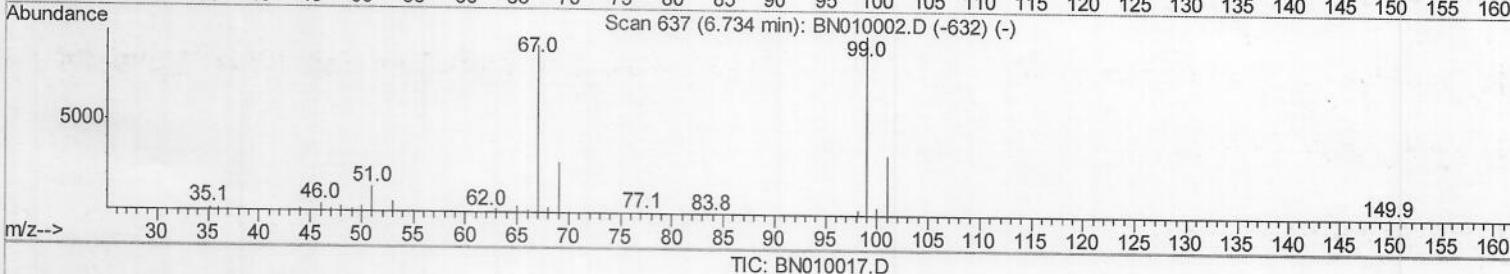
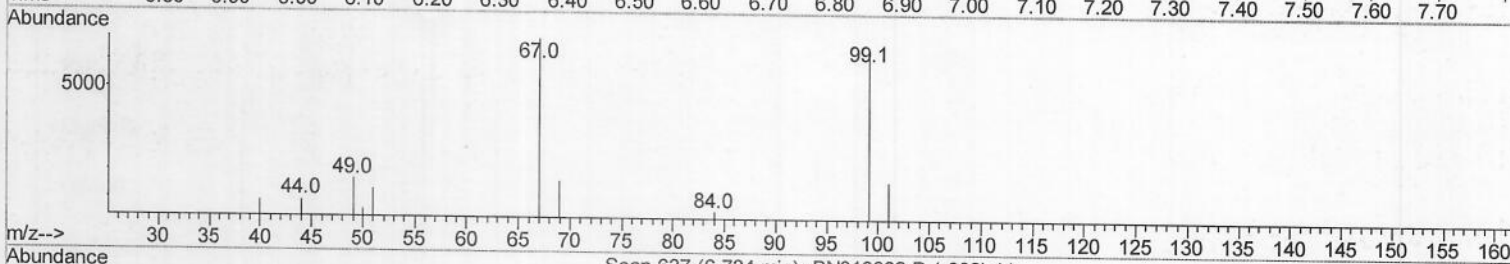
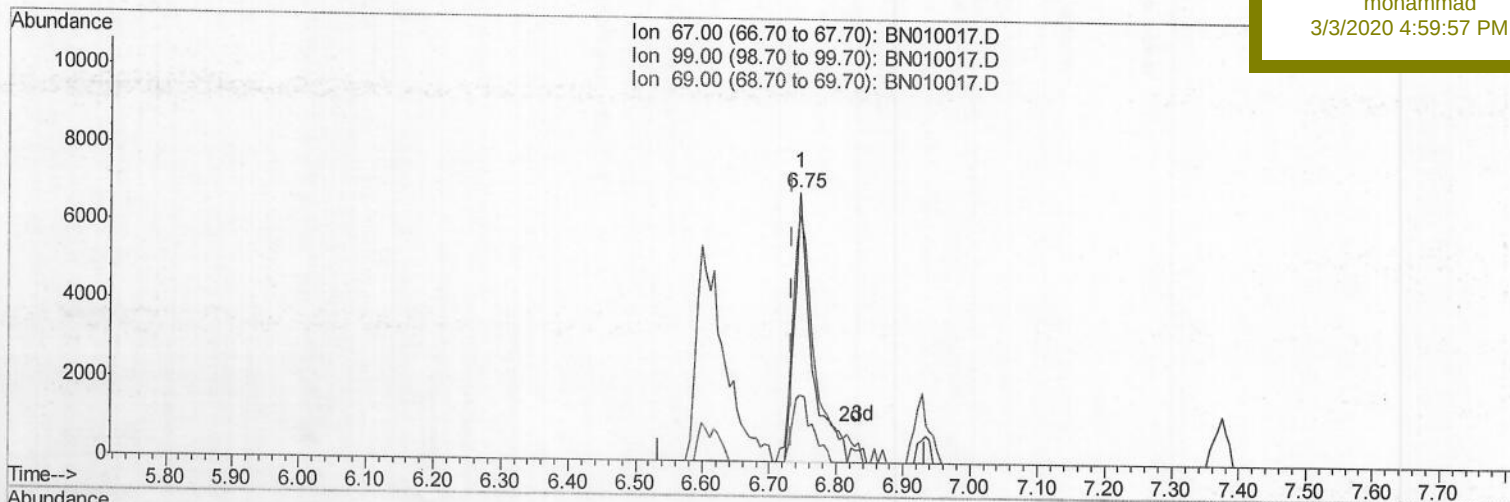
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010017.D
 Acq On : 29 Feb 2020 10:30
 Operator : CG/JU
 Sample : L1516-19RX
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 02 08:34:35 2020
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 DBD77RX

Manual Integrations
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(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.746min (+0.012) 2.10ng/ul m

response 12219

Ion	Exp%	Act%
67.00	100	100
99.00	106.90	91.24
69.00	28.30	24.47
0.00	0.00	0.00

2 JU 03/05/20

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

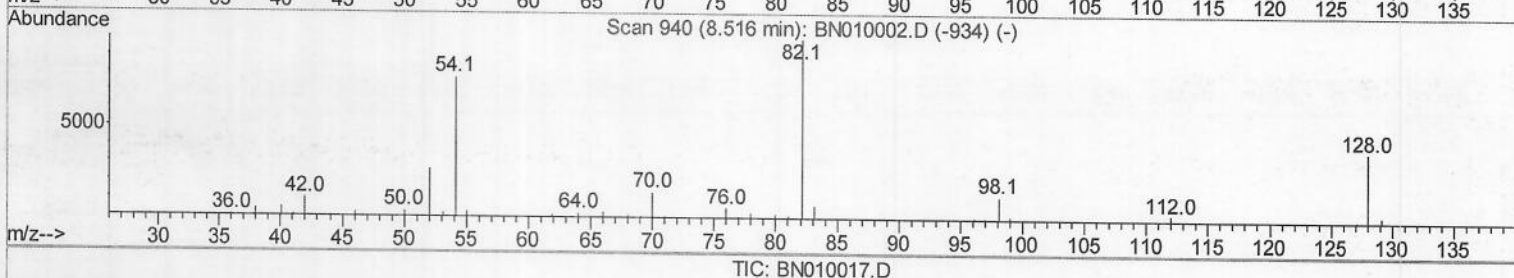
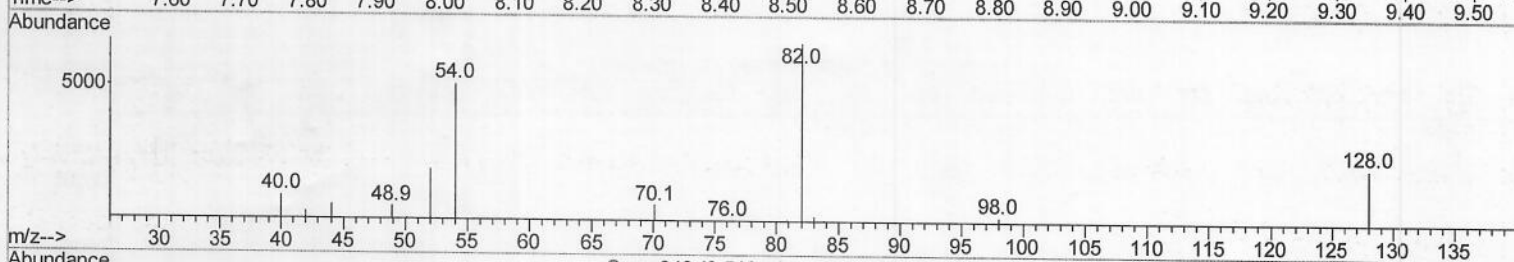
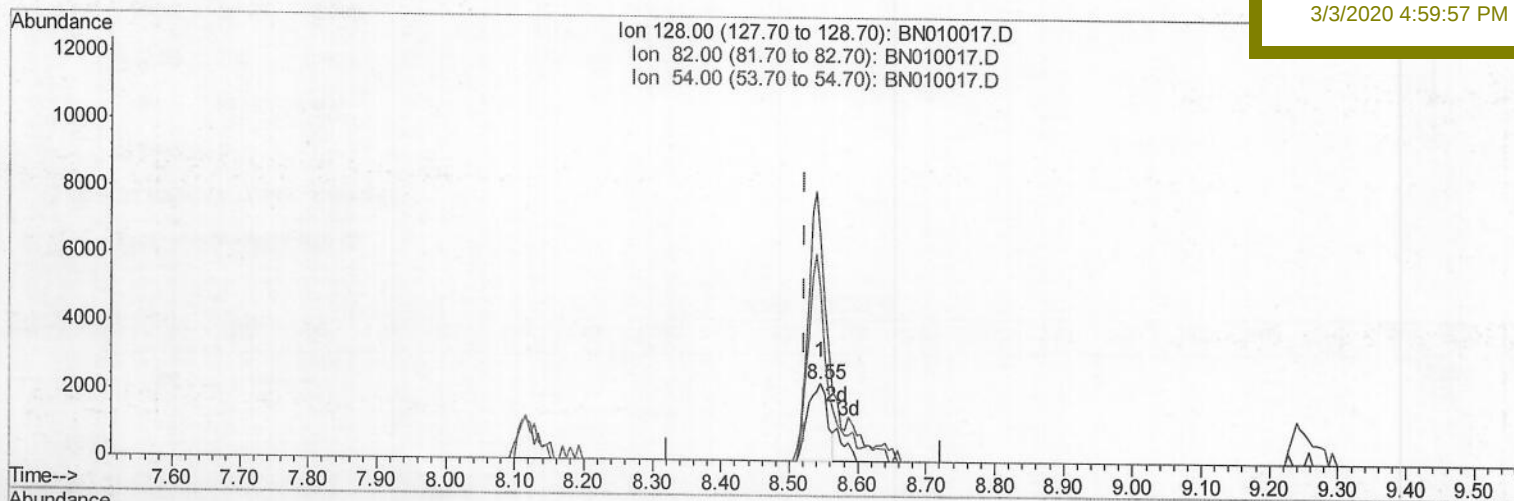
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

DBD77RX

Manual Integrations
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TIC: BN010017.D

(19) Nitrobenzene-d5 (S)

8.546min (+0.023) 1.47ng/ul

response 4574

Ion	Exp%	Act%
128.00	100	100
82.00	271.60	289.71
54.00	200.30	224.24
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

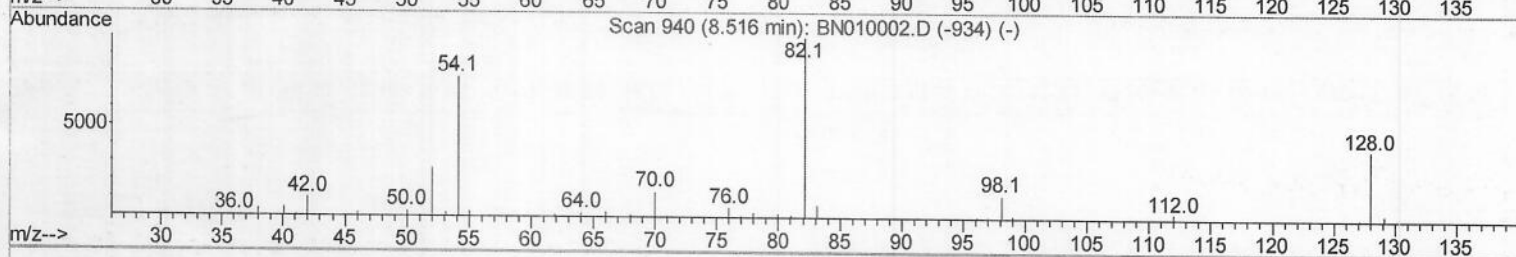
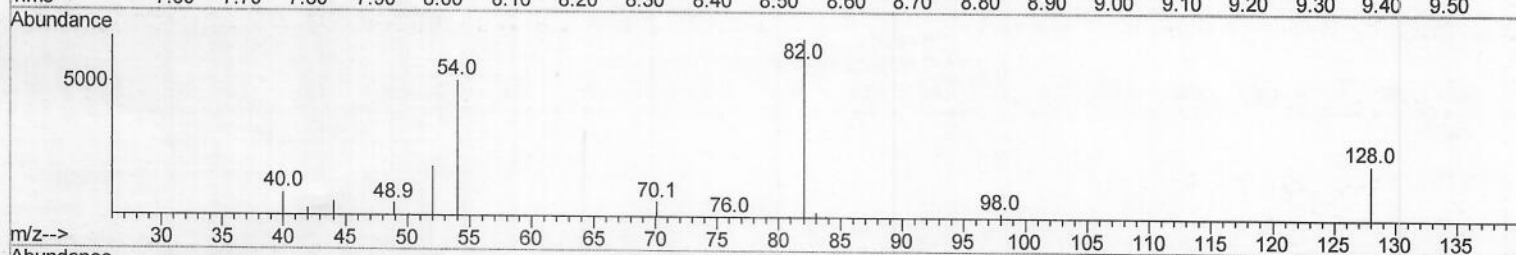
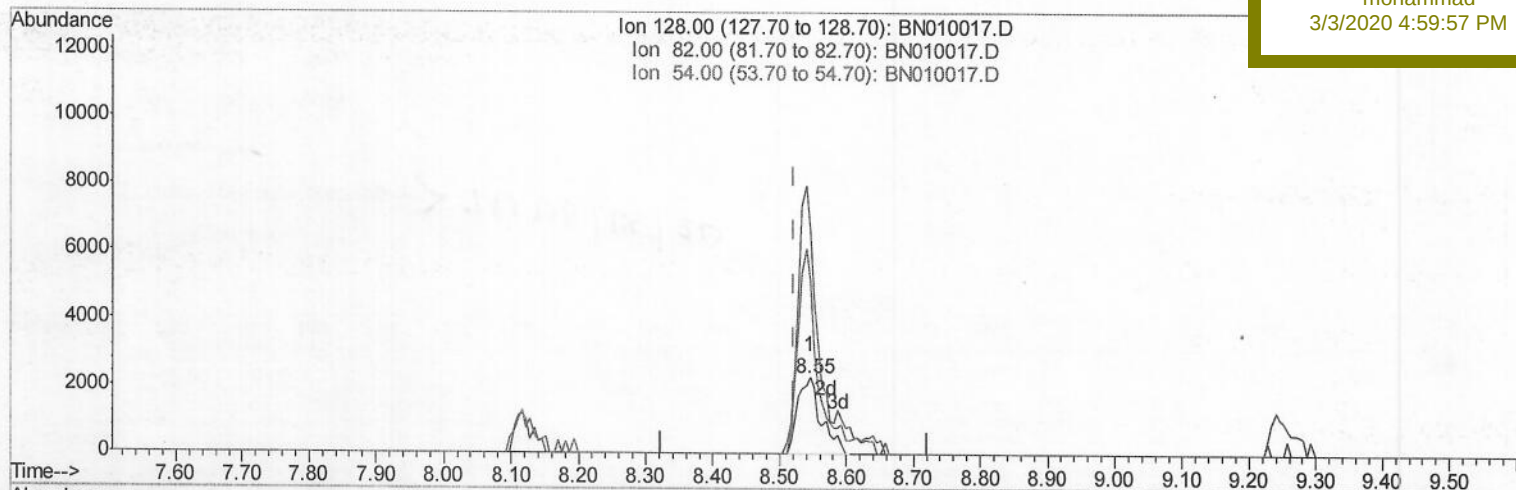
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

DBD77RX

Manual Integrations
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(19) Nitrobenzene-d5 (S)

8.546min (+0.023) 1.79ng/ul m

response 5562

Ion	Exp%	Act%
128.00	100	100
82.00	271.60	289.71
54.00	200.30	224.24
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

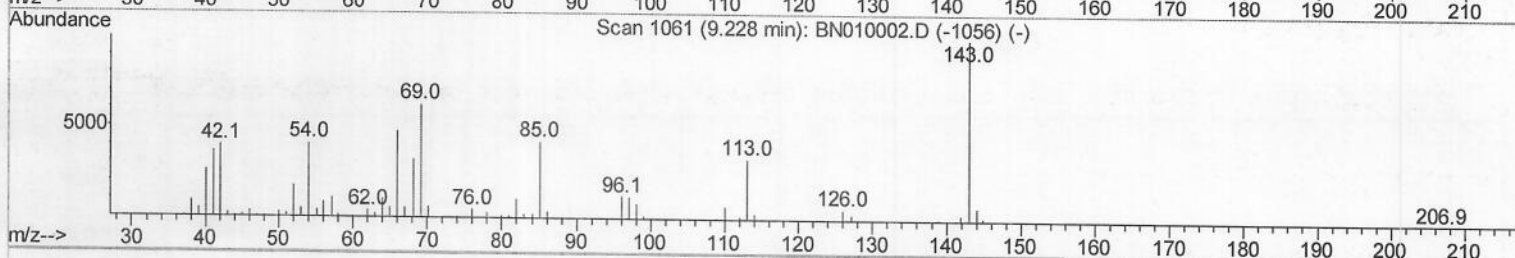
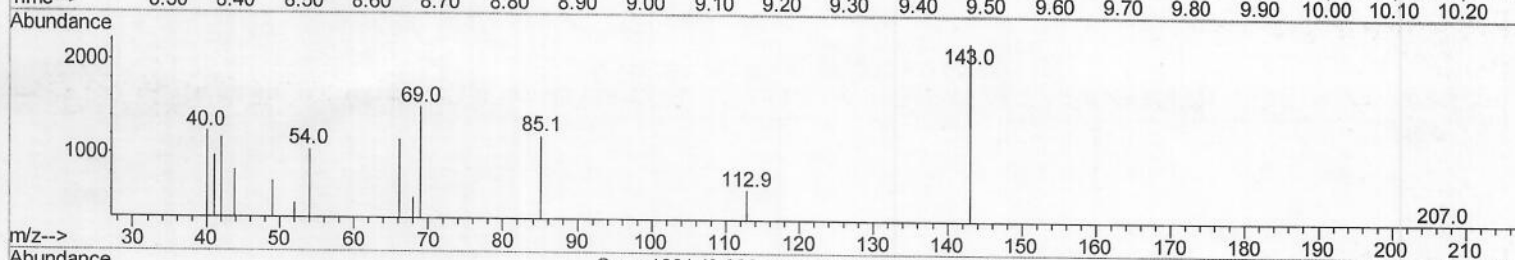
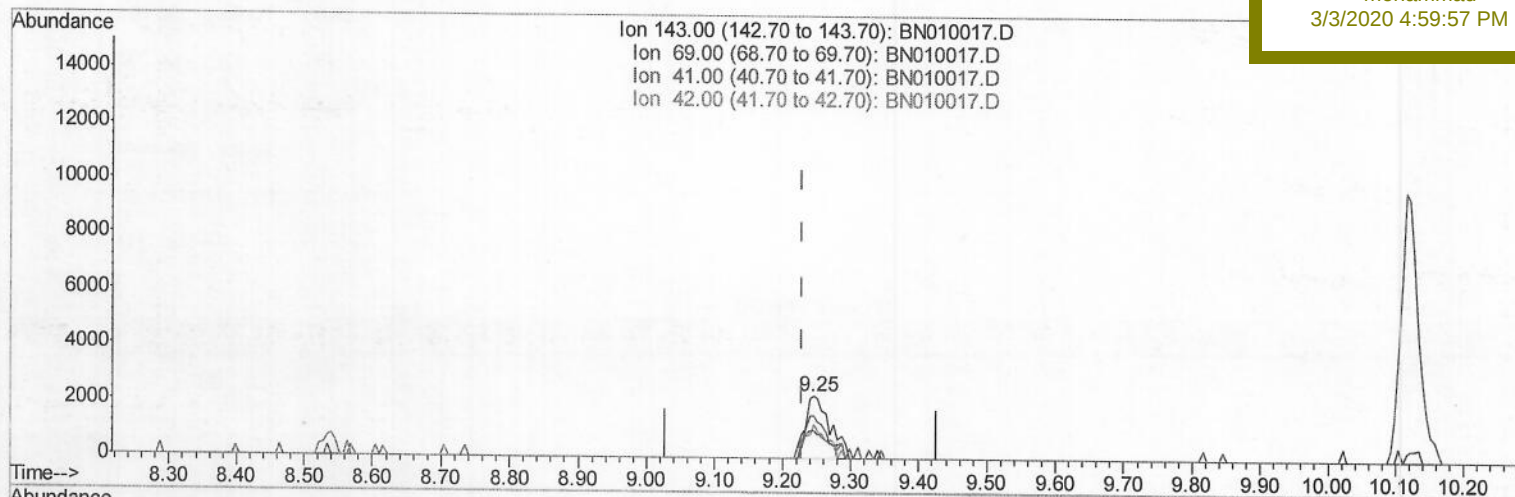
DBD77RX

Manual Integrations

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TIC: BN010017.D

(22) 2-Nitrophenol-d4 (S)

9.246min (+0.018) 1.52ng/ul

response 5169

Ion	Exp%	Act%
143.00	100	100
69.00	60.40	68.15
41.00	36.00	44.14#
42.00	42.10	52.97#

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

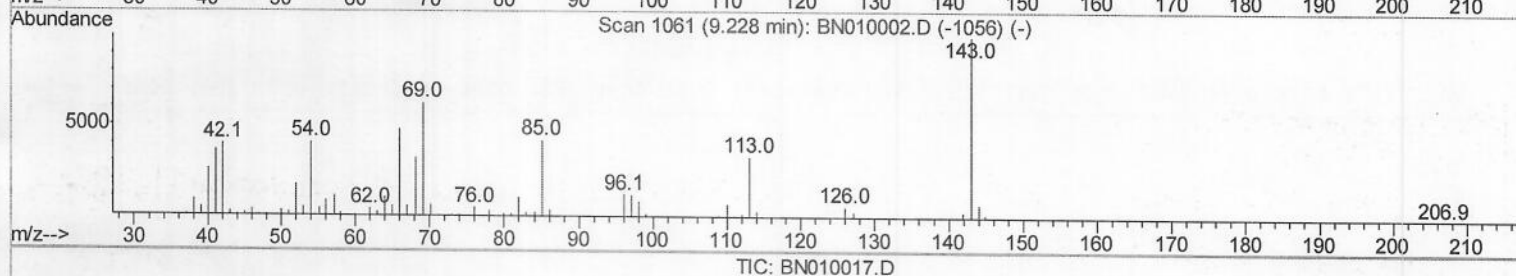
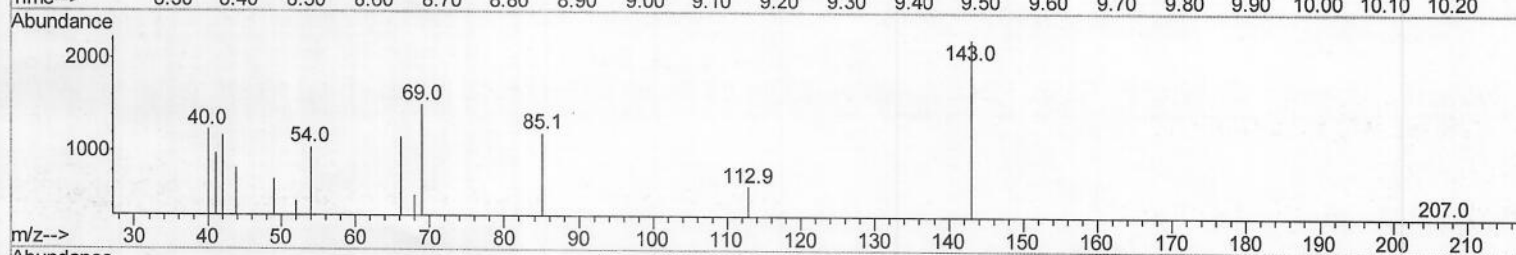
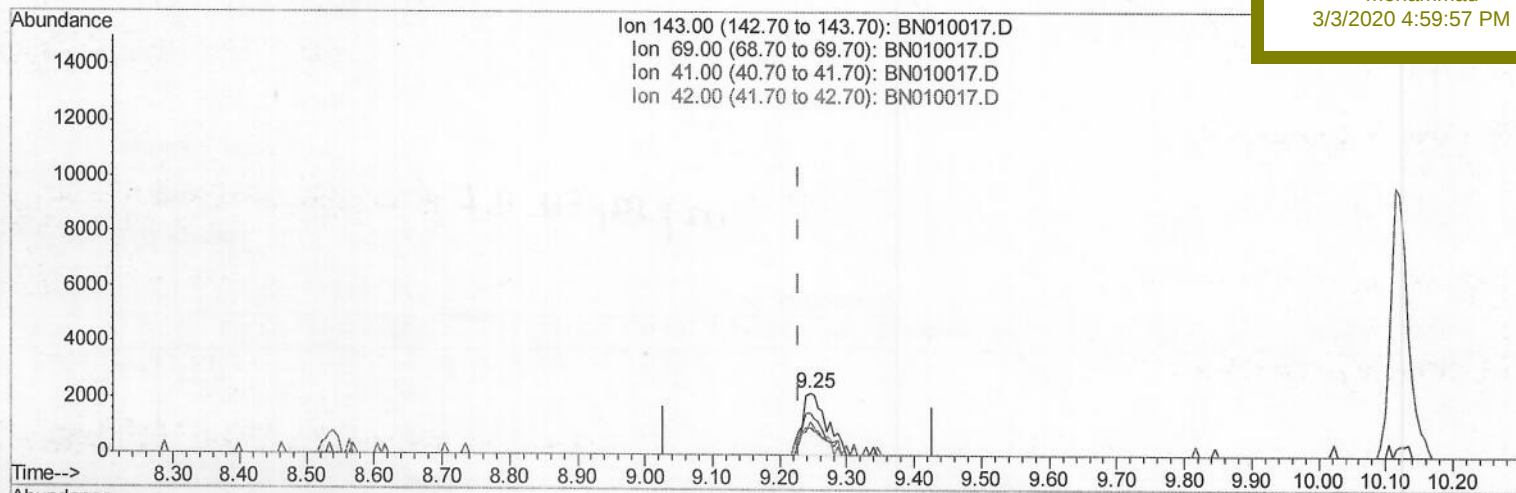
ClientSampleId :

DBD77RX

Manual Integrations
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(22) 2-Nitrophenol-d4 (S)

9.246min (+0.018) 1.66ng/ul m

response 5645

Ion	Exp%	Act%
143.00	100	100
69.00	60.40	68.15
41.00	36.00	44.14#
42.00	42.10	52.97#

> JU 03/05/20

Quantitation Report (Qedit)

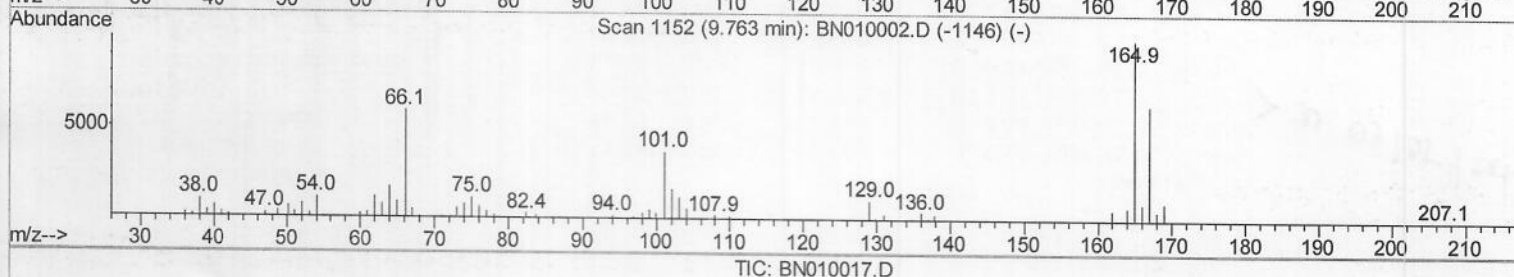
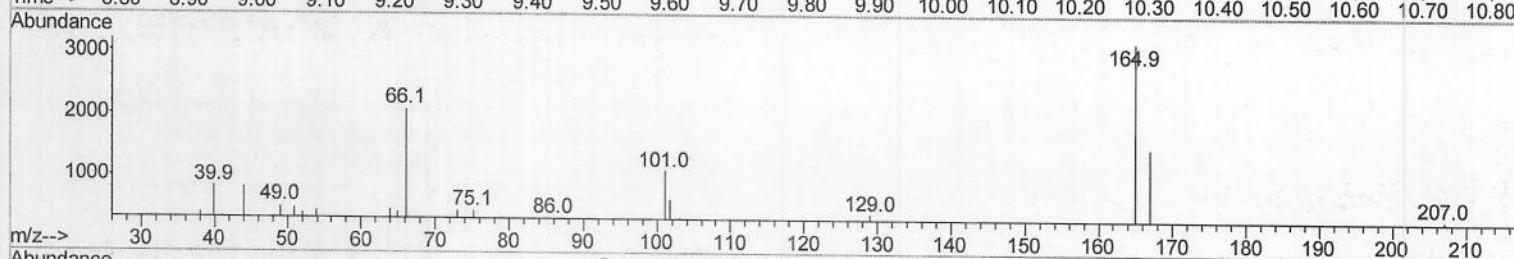
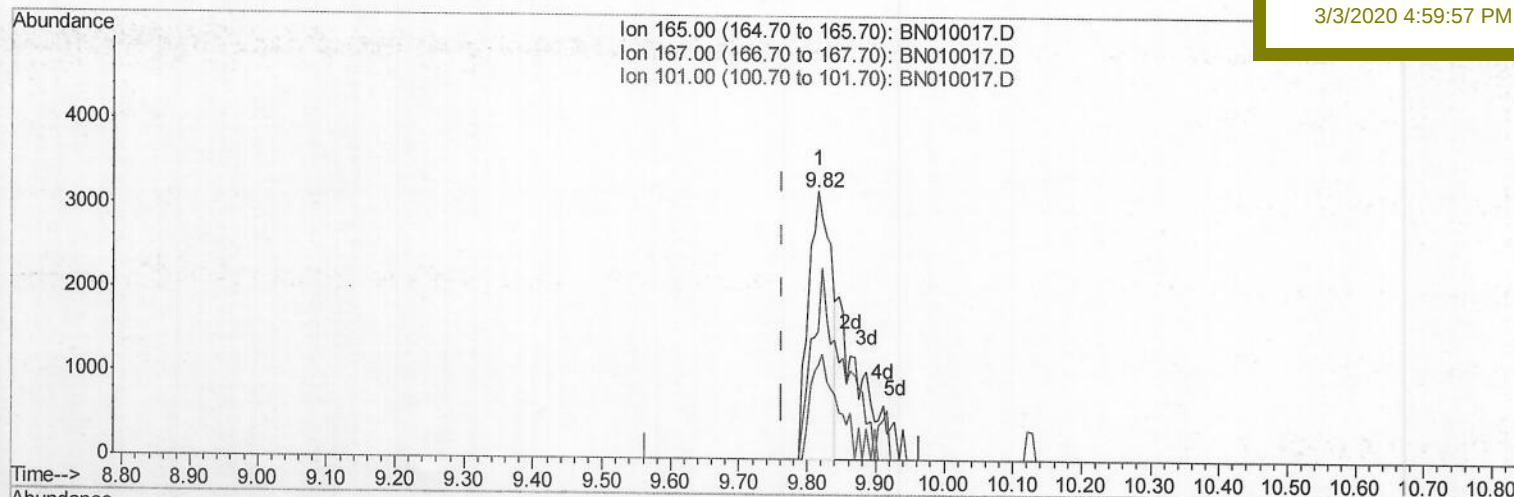
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\
 Data File : BN010017.D
 Acq On : 29 Feb 2020 10:30
 Operator : CG/JU
 Sample : L1516-19RX
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 02 08:34:35 2020
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 DBD77RX

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

9.816min (+0.053) 1.12ng/ul

response 7353

Ion	Exp%	Act%
165.00	100	100
167.00	64.20	47.25#
101.00	36.10	34.53
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

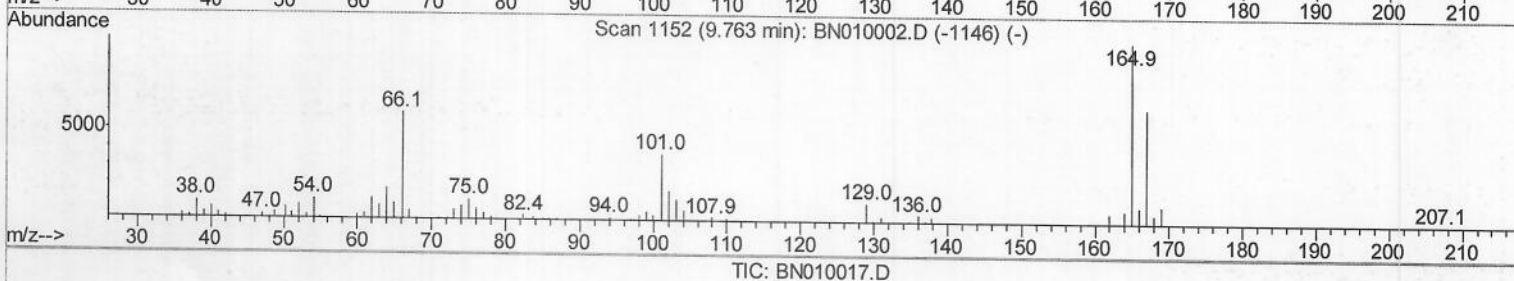
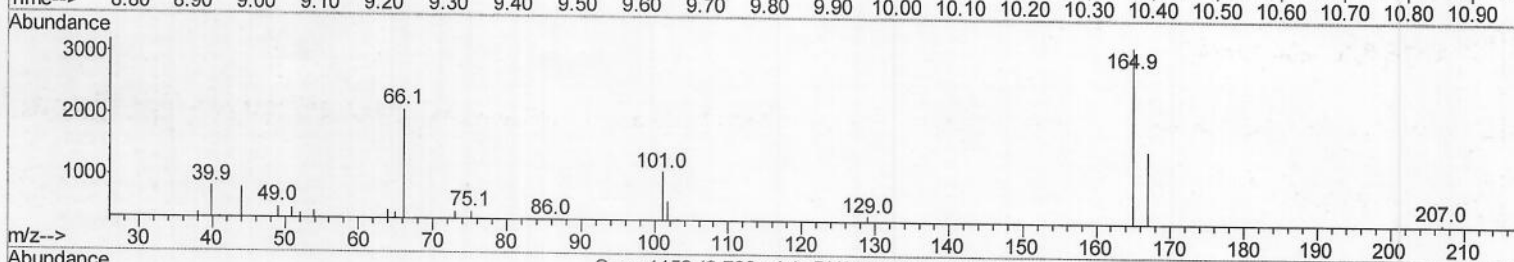
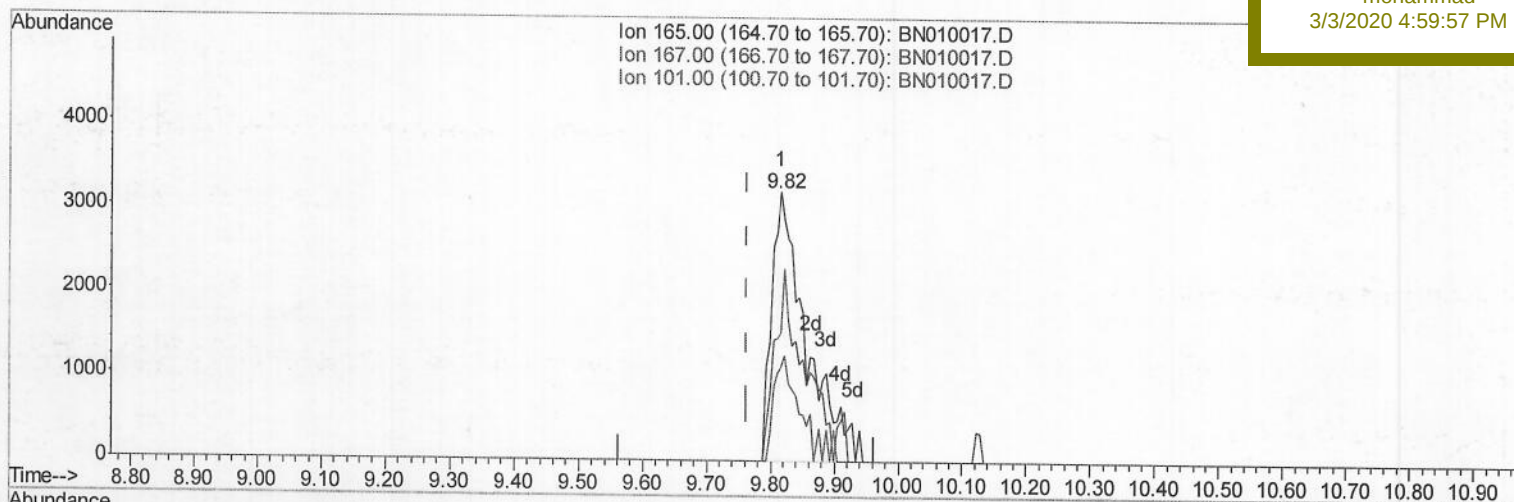
DBD77RX

Manual Integrations

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3/3/2020 4:59:57 PM



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

9.816min (+0.053) 1.84ng/ul m

response 12076

Ion	Exp%	Act%
165.00	100	100
167.00	64.20	47.25#
101.00	36.10	34.53
0.00	0.00	0.00

> JU 03/05/20

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

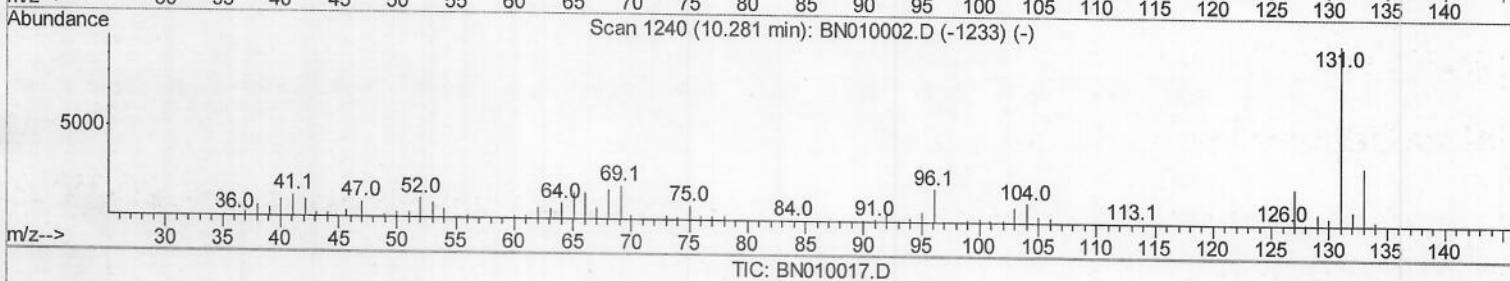
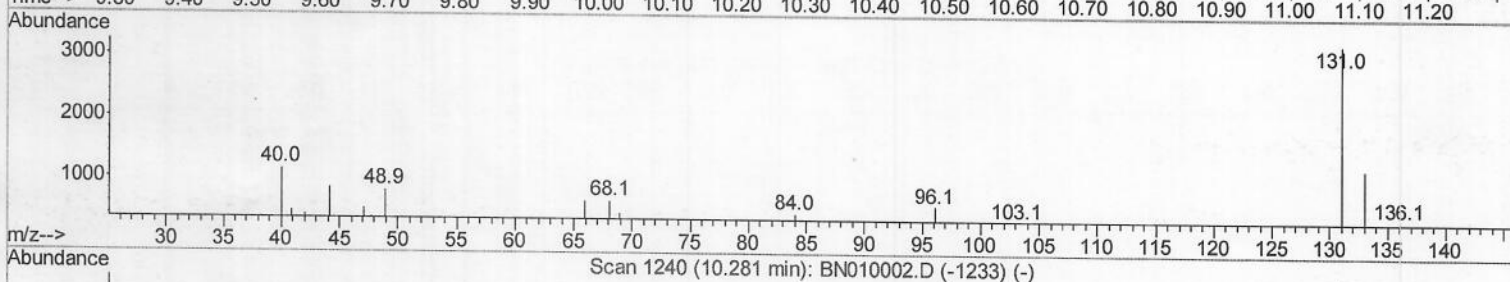
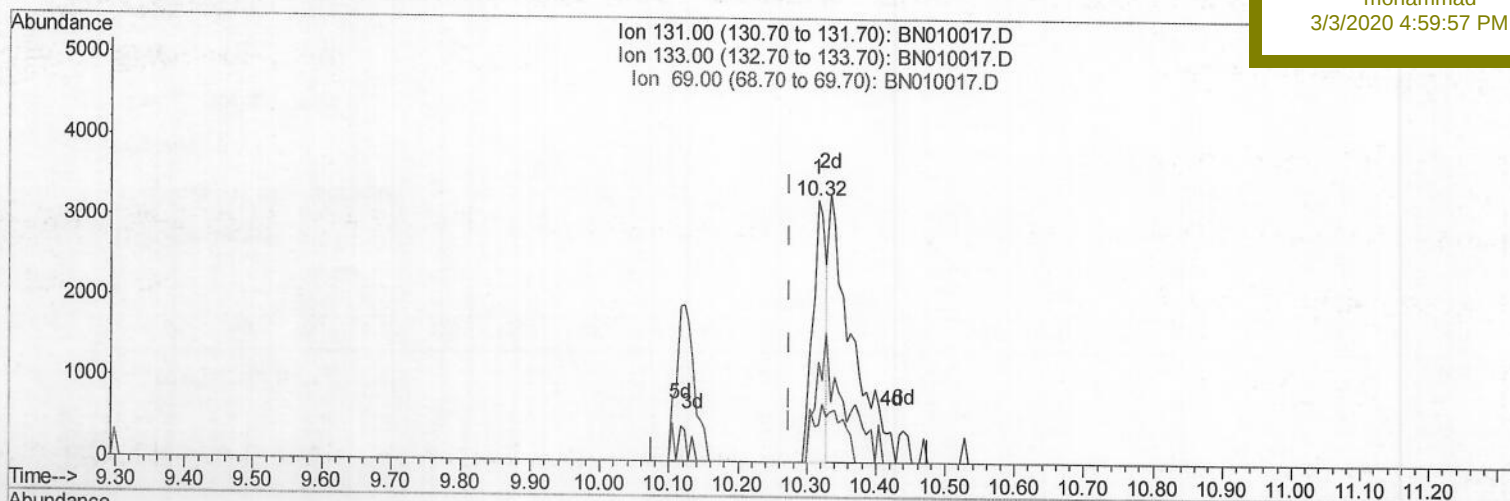
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

DBD77RX

Manual Integrations
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3/3/2020 4:59:57 PM

(29) 4-Chloroaniline-d4 (S)

10.316min (+0.041) 0.61ng/ul

response 4481

Ion	Exp%	Act%
131.00	100	100
133.00	33.00	37.80
69.00	22.10	13.91#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

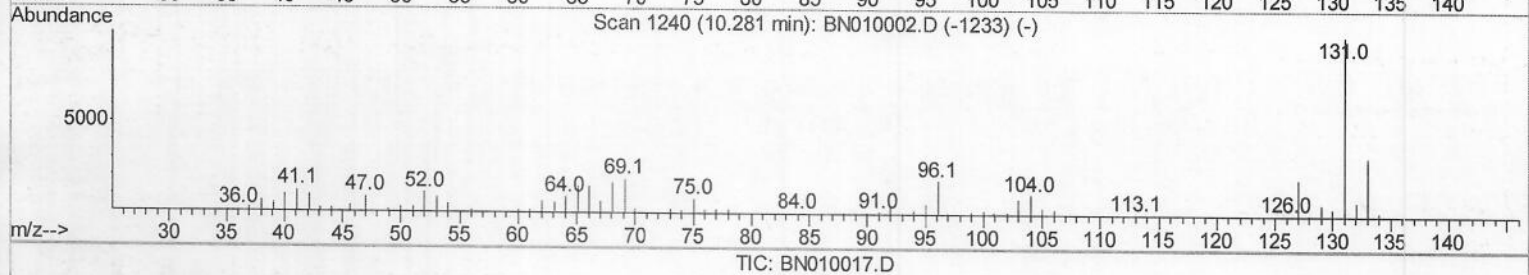
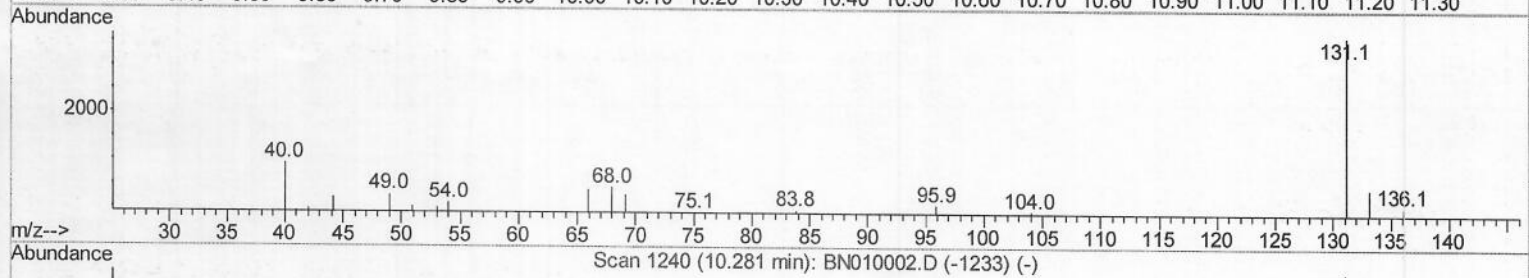
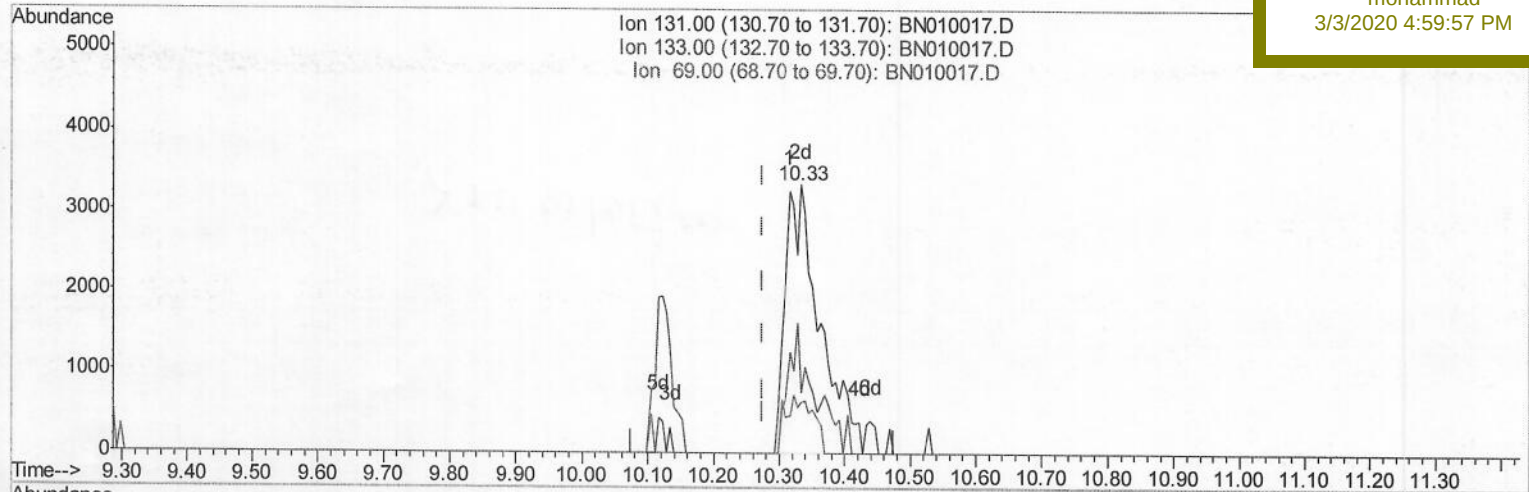
DBD77RX

Manual Integrations

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3/3/2020 4:59:57 PM



(29) 4-Chloroaniline-d4 (S)

10.334min (+0.059) 1.63ng/ul m

response 11979

Ion	Exp%	Act%
131.00	100	100
133.00	33.00	22.39#
69.00	22.10	18.79
0.00	0.00	0.00

750 03/05/20

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\
Data File : BN010017.D
Acq On : 29 Feb 2020 10:30
Operator : CG/JU
Sample : L1516-19RX
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 02 08:34:35 2020
Response via : Initial Calibration

Instrument :

BNA_N

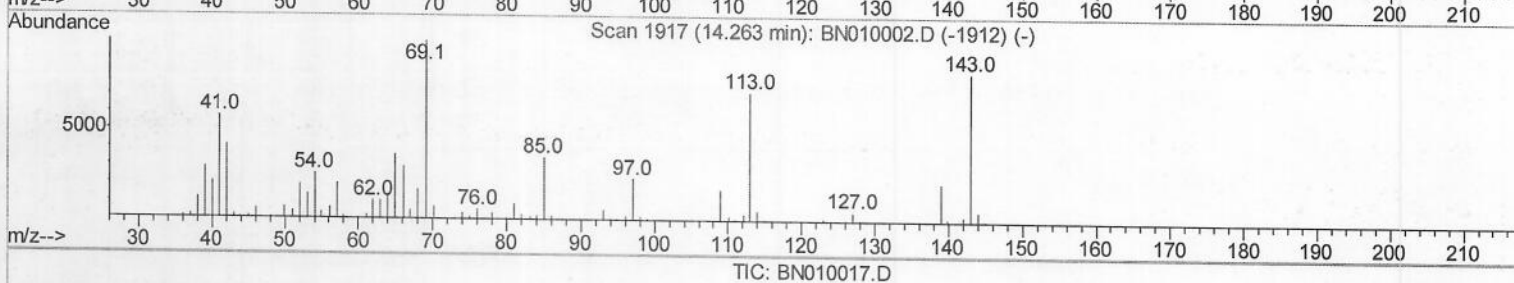
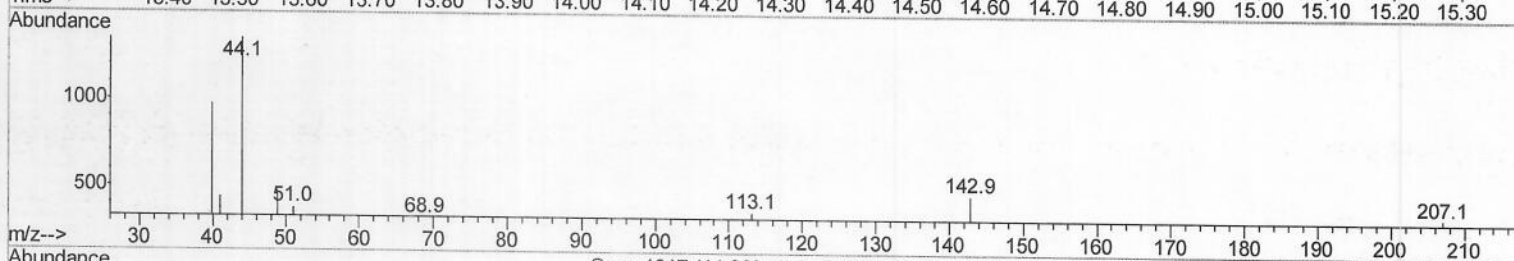
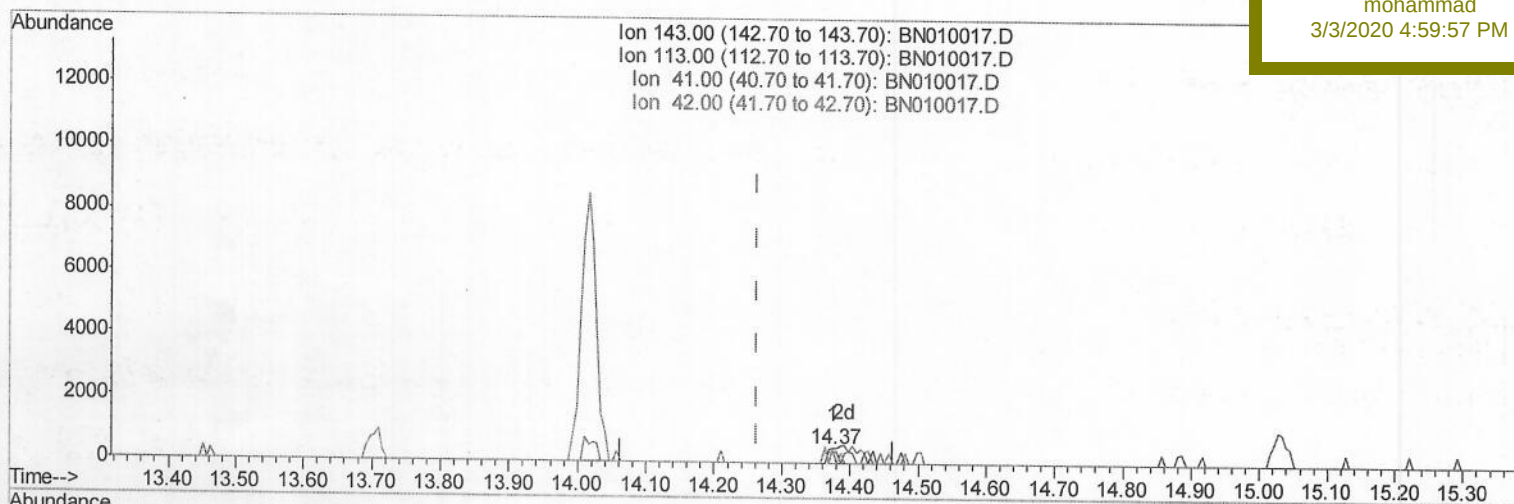
ClientSampleId :

DBD77RX

Manual Integrations
APPROVED

mohammad

3/3/2020 4:59:57 PM



TIC: BN010017.D

(52) 4-Nitrophenol-d4 (S)

14.375min (+0.112) 0.13ng/ul

response 478

Ion	Exp%	Act%
143.00	100	100
113.00	86.40	77.25
41.00	66.00	92.92#
42.00	43.20	0.00#

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

Client Sample ID :

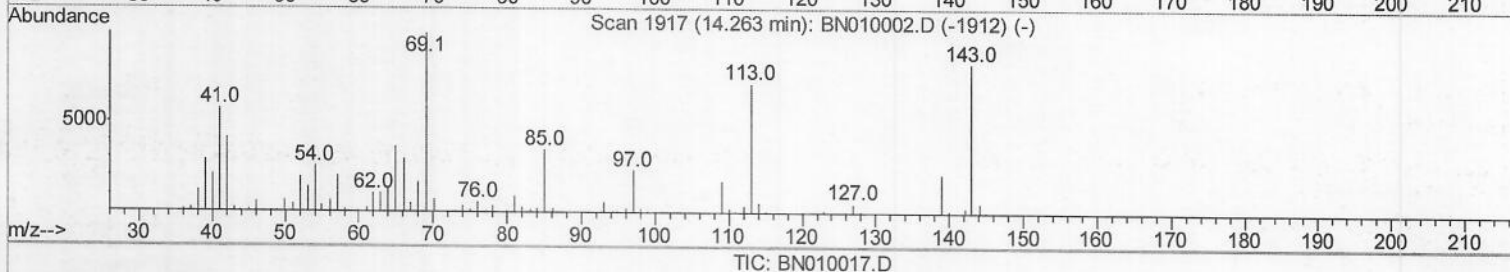
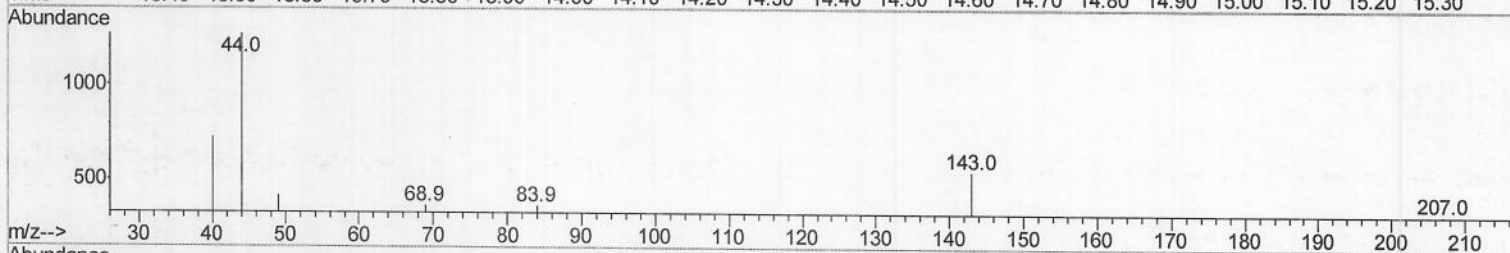
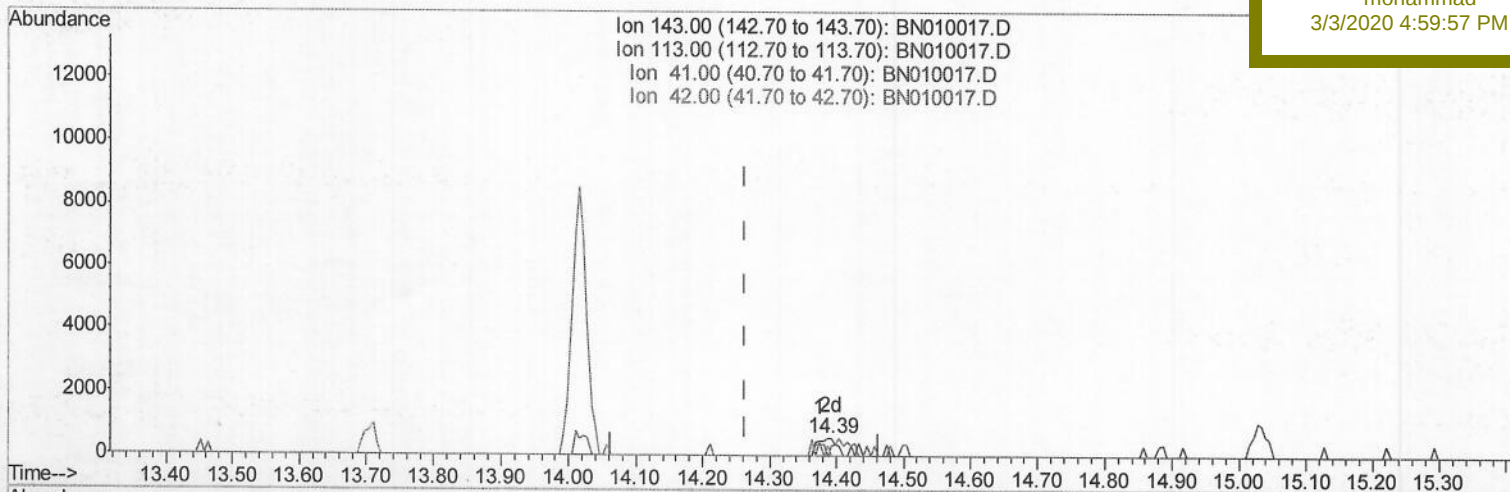
DBD77RX

Manual Integrations

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(52) 4-Nitrophenol-d4 (S)

14.392min (+0.129) 0.31ng/ul m

response 1093

Ion	Exp%	Act%
143.00	100	100
113.00	86.40	0.00#
41.00	66.00	59.31
42.00	43.20	0.00#

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

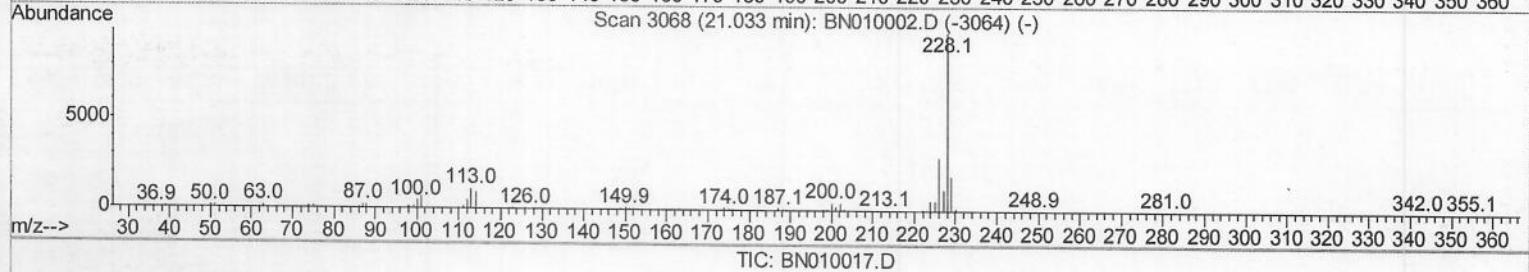
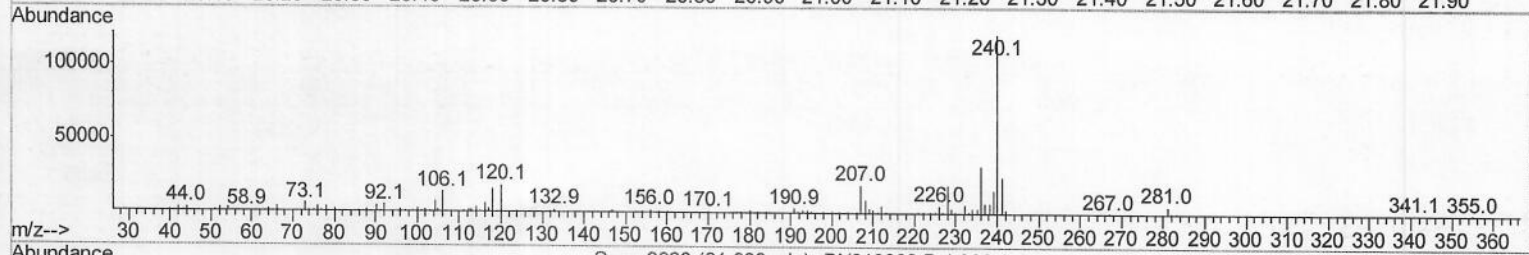
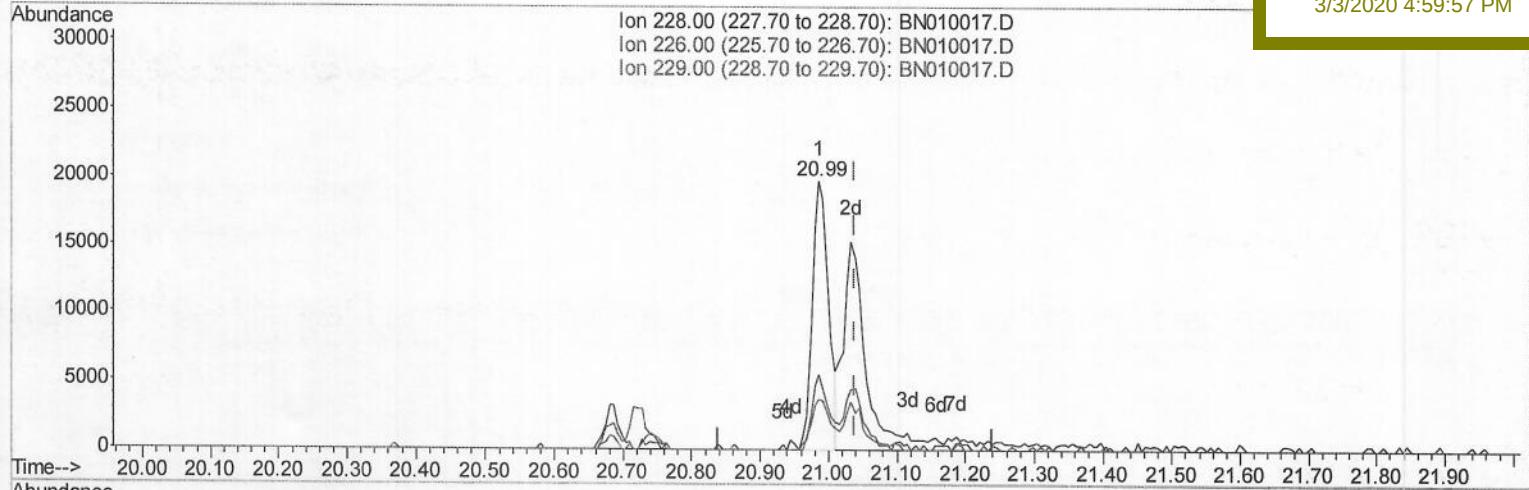
DBD77RX

Manual Integrations

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(85) Chrysene

20.986min (-0.053) 1.05ng/ul

response 32645

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	27.65
229.00	18.70	18.45
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\

Data File : BN010017.D

Acq On : 29 Feb 2020 10:30

Operator : CG/JU

Sample : L1516-19RX

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:47:15 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 02 08:34:35 2020

Response via : Initial Calibration

Instrument :

BNA_N

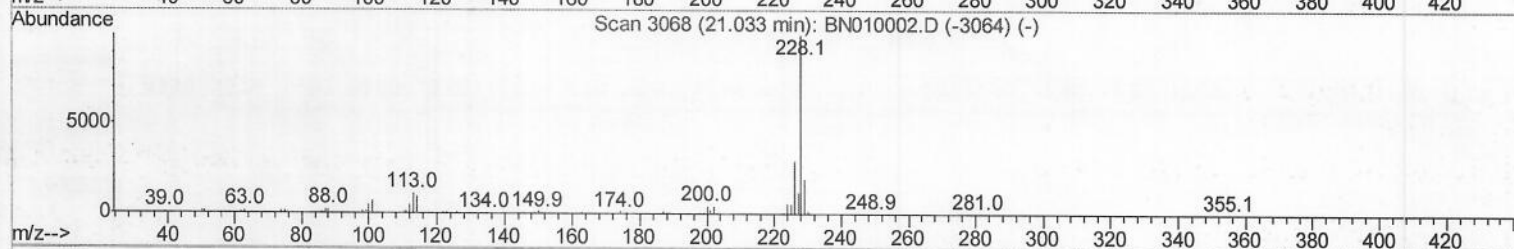
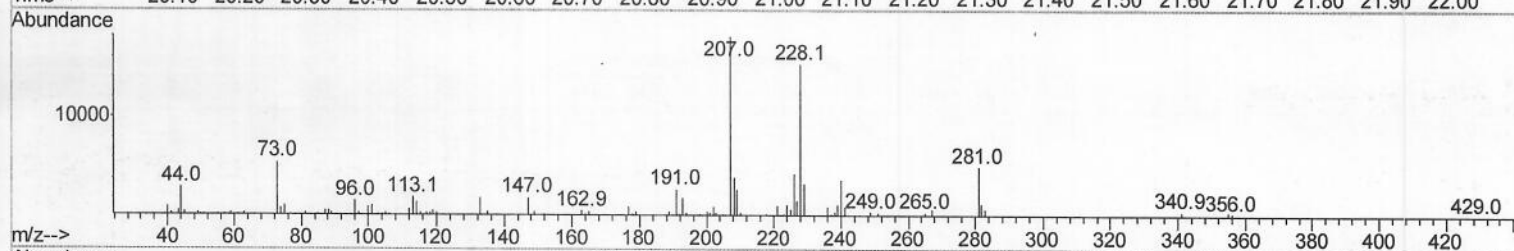
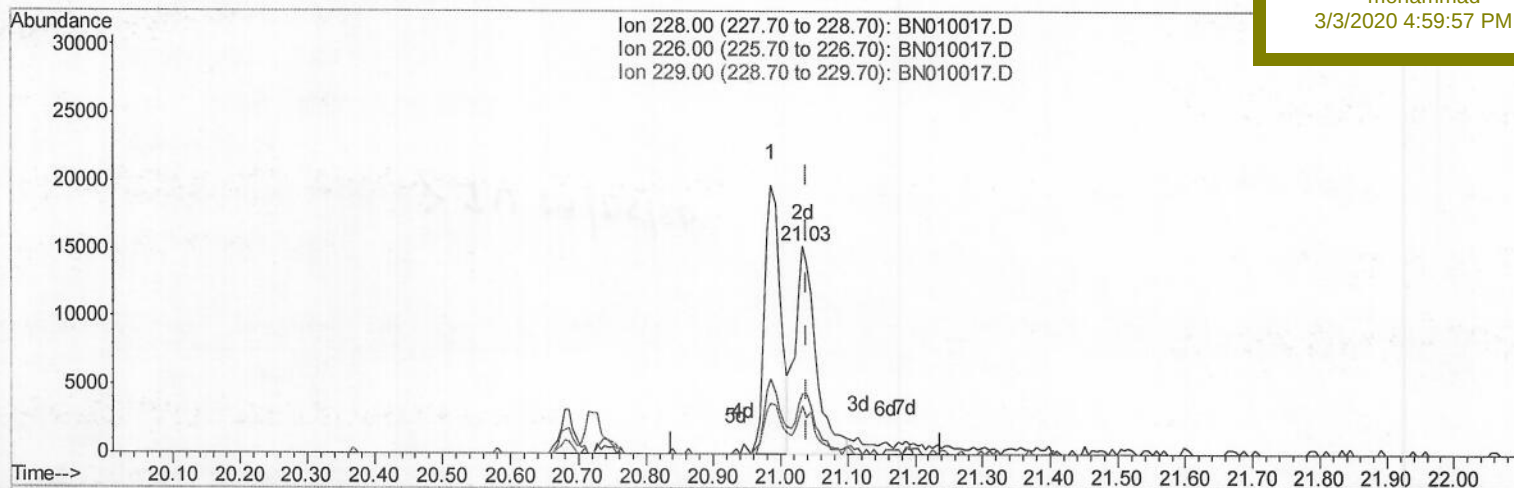
ClientSampleId :

DBD77RX

Manual Integrations
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TIC: BN010017.D

(85) Chrysene

21.033min (-0.006) 1.04ng/ul m

response 32528

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	28.93
229.00	18.70	22.71#
0.00	0.00	0.00

> 50 03/05/20

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010017.D
 Acq On : 29 Feb 2020 10:30
 Operator : CG/JU
 Sample : L1516-19RX
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 02 08:51:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 02 08:34:35 2020
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 DBD77RX

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	98911	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	425506	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	261198	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	526717	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	460887	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	472642	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	615	0.26	ng/uL	0.01
5) Phenol-d5	6.60	99	15826m	1.88	ng/ul	0.02
7) Bis-(2-Chloroethyl) ether-d	6.75	67	12219m	2.10	ng/ul	0.01
9) 2-Chlorophenol-d4	6.93	132	14039	2.22	ng/ul	0.01
13) 4-Methylphenol-d8	8.11	113	10271	1.53	ng/ul	0.02
19) Nitrobenzene-d5	8.55	128	5562m	1.79	ng/ul	0.02
22) 2-Nitrophenol-d4	9.25	143	5645m	1.66	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.82	165	12076m	1.84	ng/ul	0.05
29) 4-Chloroaniline-d4	10.33	131	11979m	1.63	ng/ul	0.06
44) Dimethylphthalate-d6	13.46	166	41748	2.14	ng/ul	0.01
47) Acenaphthylene-d8	13.70	160	49610	2.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	1093m	0.31	ng/ul	0.13
58) Fluorene-d10	15.03	176	38591	2.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	16.88	188	62303	2.58	ng/ul	0.00
79) Pyrene-d10	19.19	212	63102	2.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	61704	2.61	ng/ul	0.00

Target Compounds

					Ovalue
70) Phenanthrene	16.82	178	61054	2.031	ng/ul 96
77) Fluoranthene	18.85	202	215846	6.130	ng/ul 97
80) Pyrene	19.22	202	159103	4.788	ng/ul 97
83) Benzo(a)anthracene	20.99	228	32645	1.031	ng/ul 99
85) Chrysene	21.03	228	32528m	1.043	ng/ul

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