

Quantitation Report (QT/LSC Reviewed)

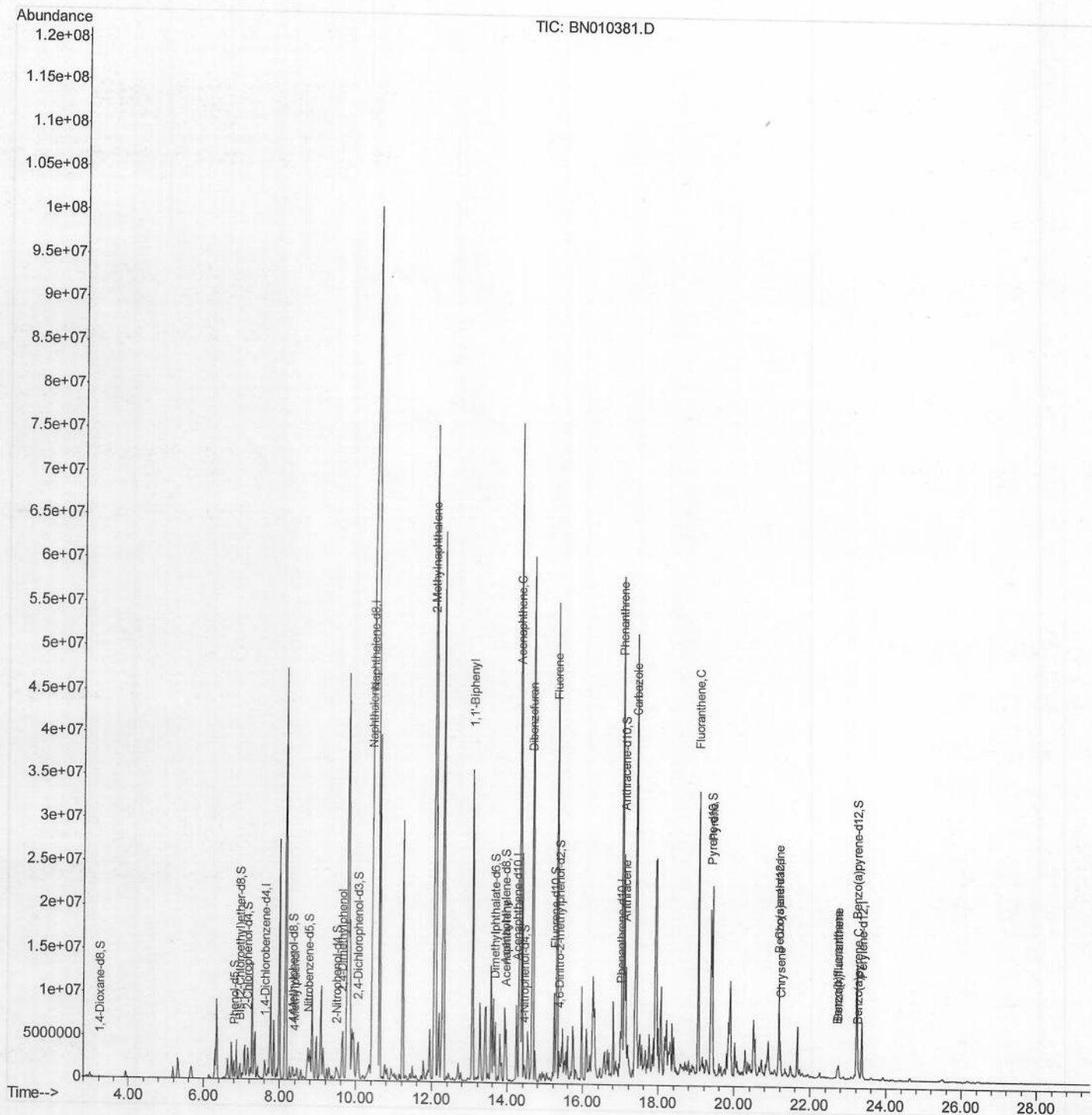
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 02 06:10:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 02 00:34:36 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

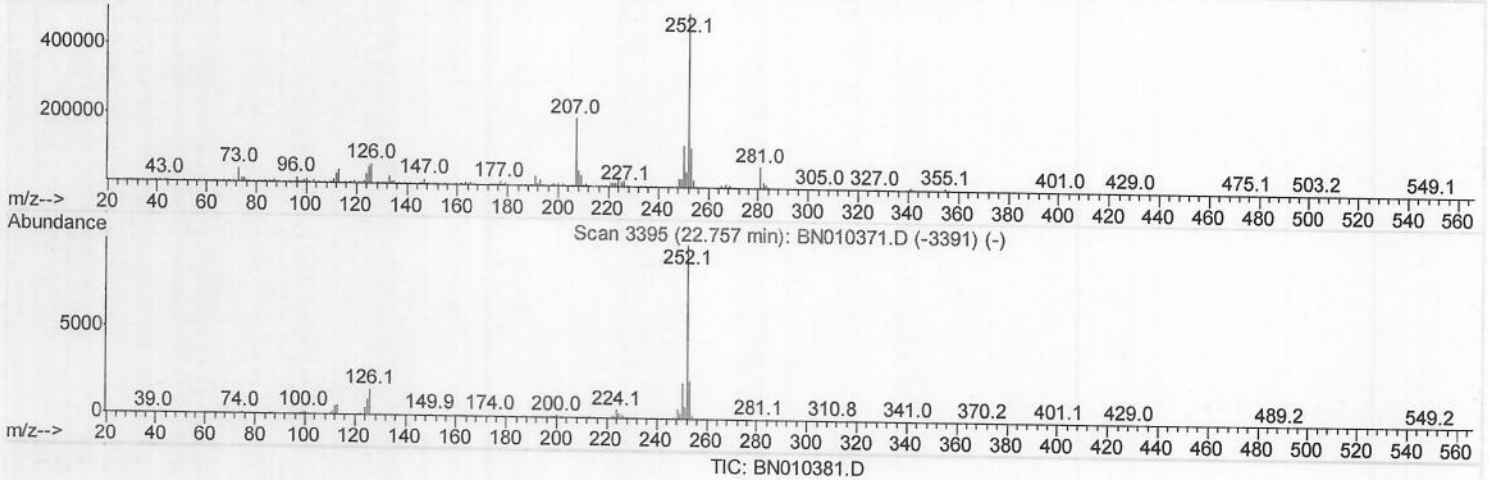
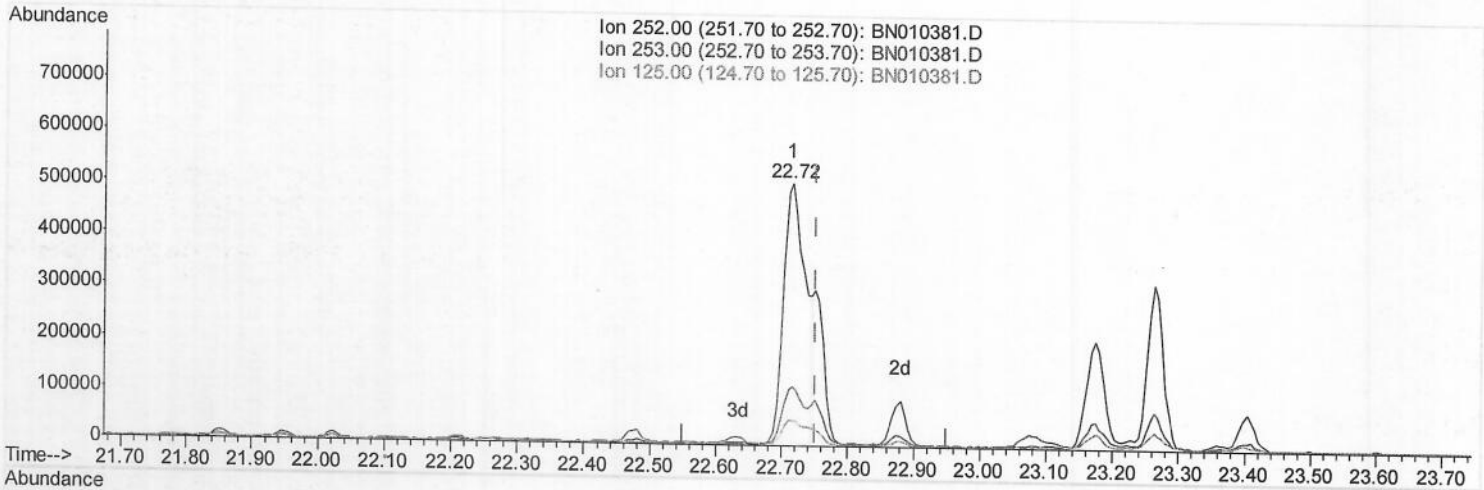
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(89) Benzo(k)fluoranthene

22.716min (-0.035) 4.42ng/ul

response 1189249

Ion	Exp%	Act%
252.00	100	100
253.00	23.20	22.68
125.00	10.10	9.34
0.00	0.00	0.00

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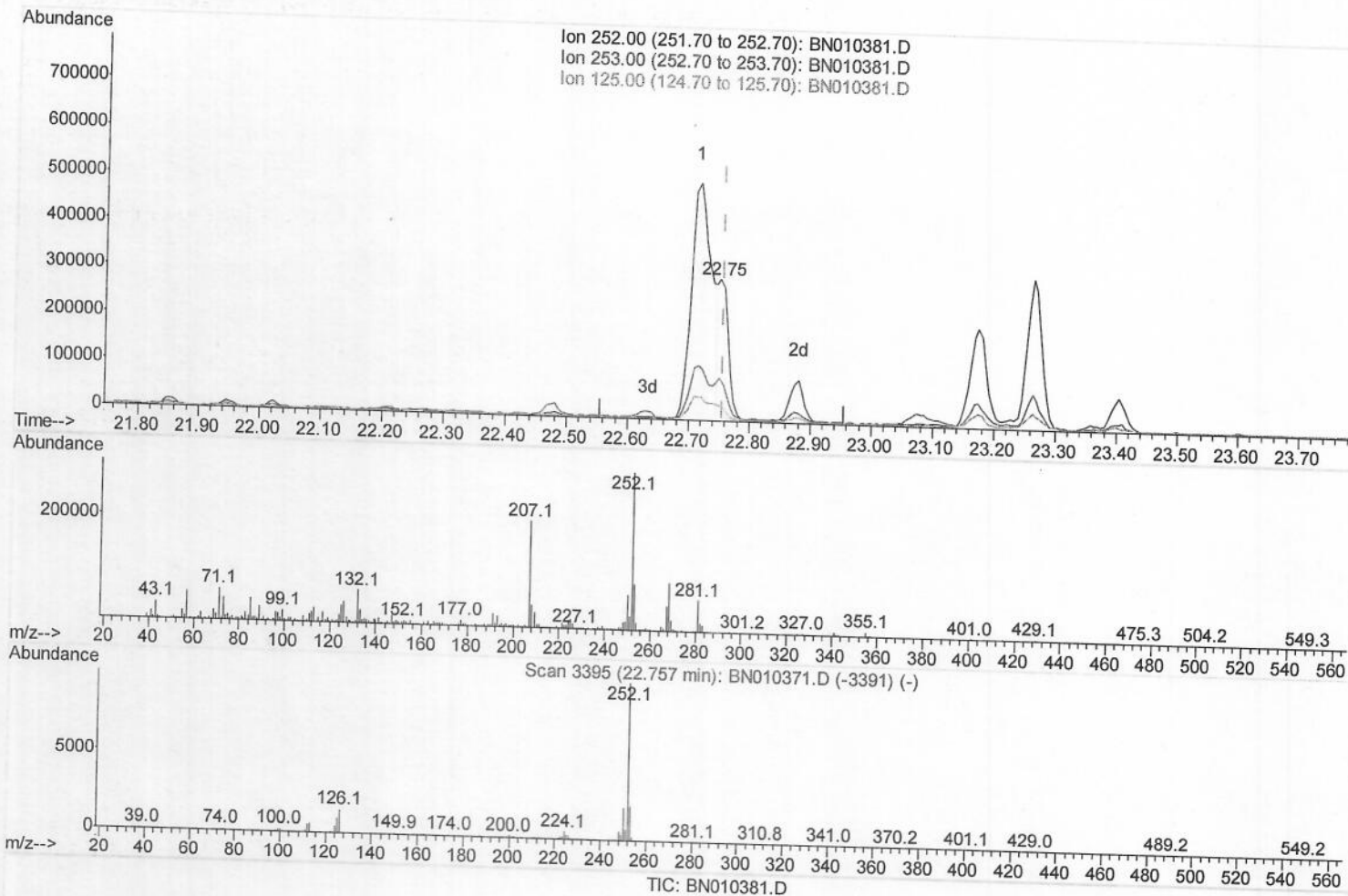
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(89) Benzo(k)fluoranthene

22.751min (-0.006) 1.20ng/ul m

response 322040

Ion	Exp%	Act%
252.00	100	100
253.00	23.20	29.62#
125.00	10.10	10.75
0.00	0.00	0.00

AP
 04/19/2020

Quantitation Report (Qedit)

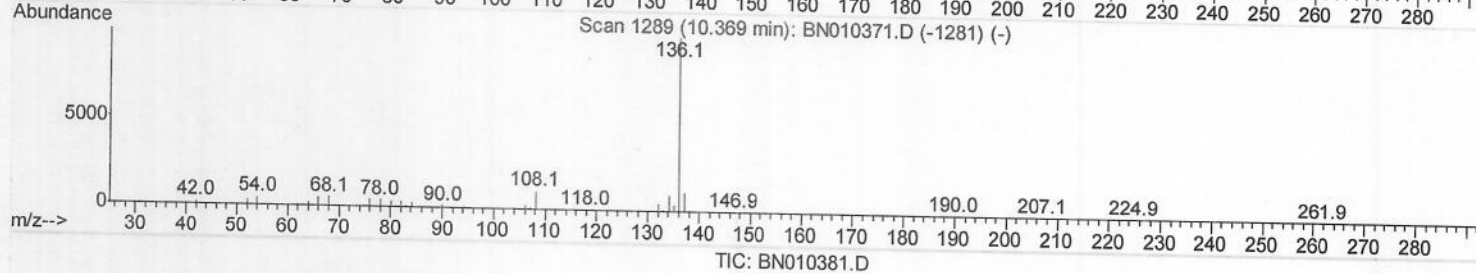
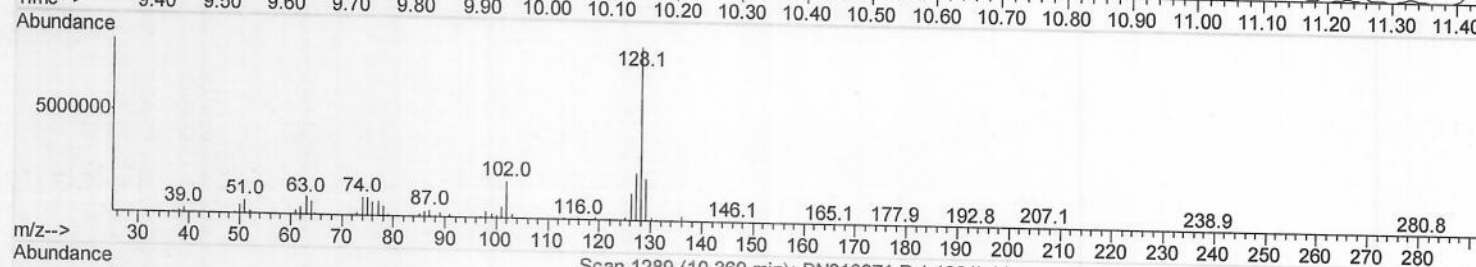
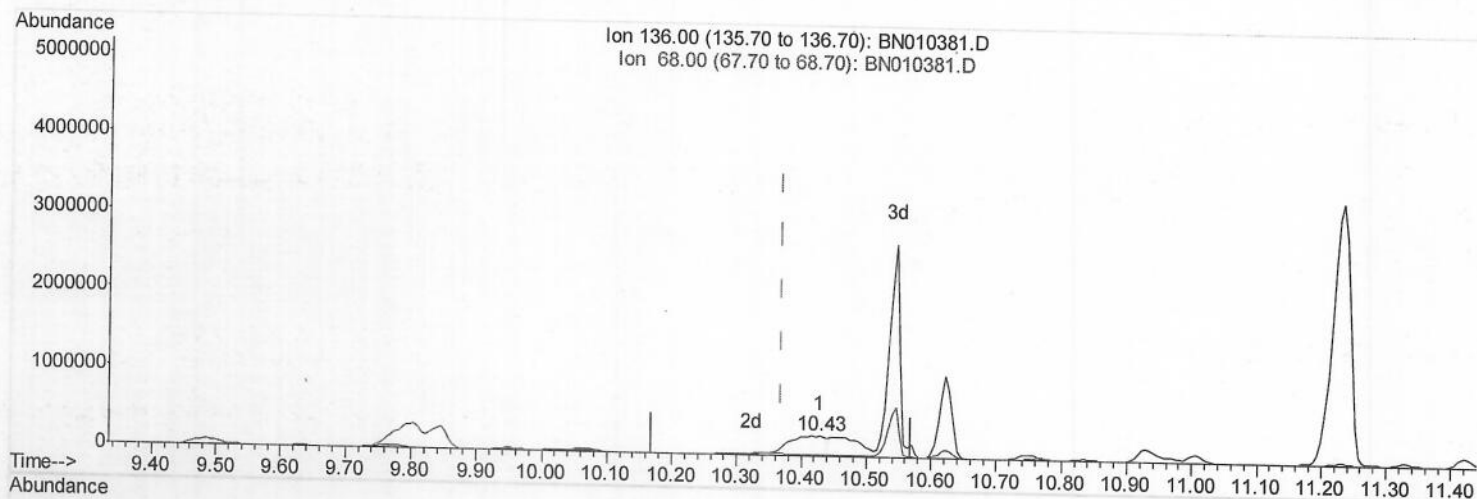
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(18) Naphthalene-d8 (I)

10.428min (+0.059) 20.00ng/ul

response 960719

Ion	Exp%	Act%
136.00	100	100
68.00	5.50	4.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

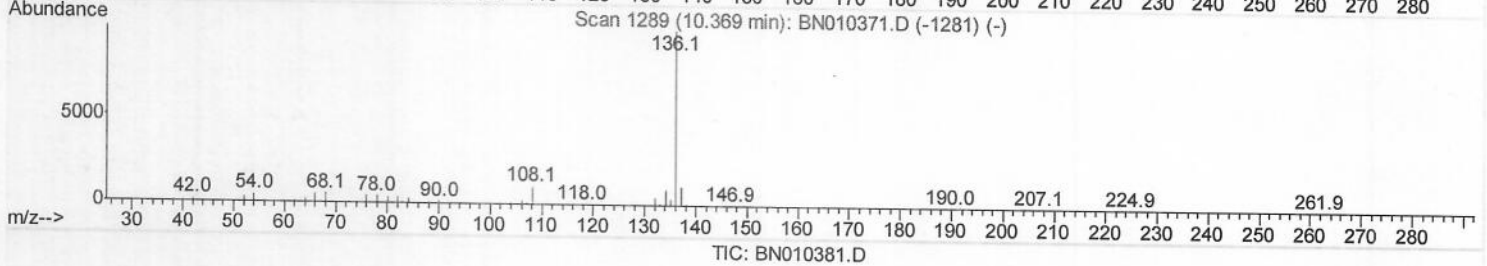
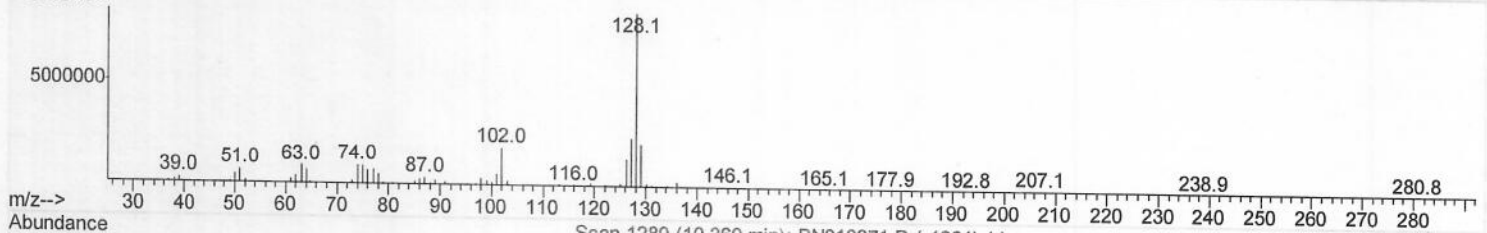
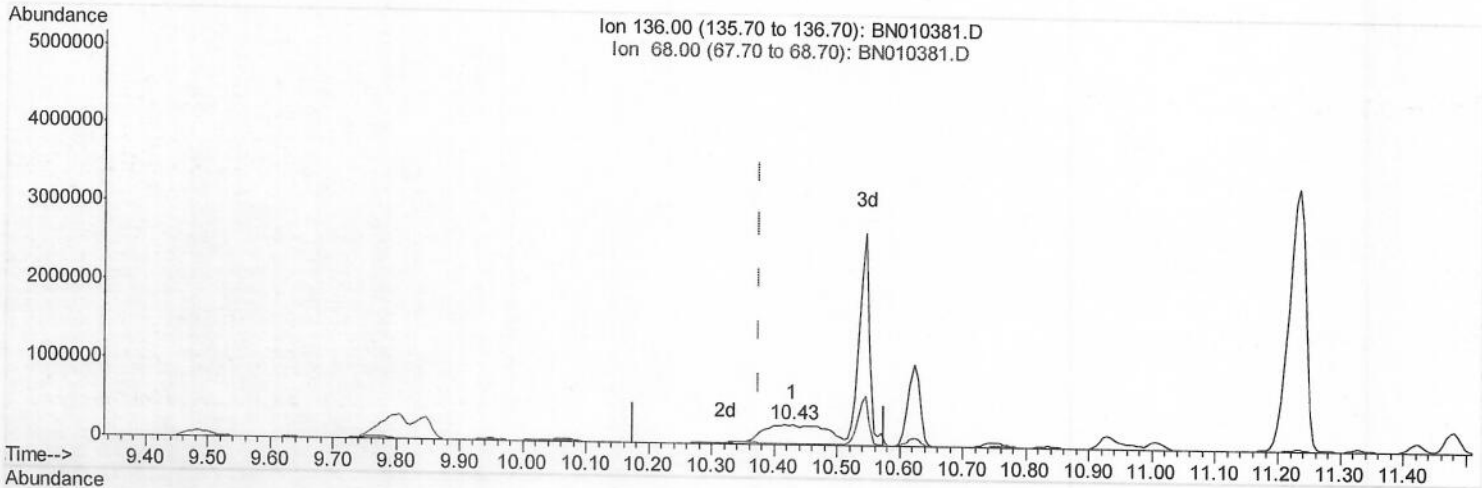
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(18) Naphthalene-d8 (I)

10.428min (+0.053) 20.00ng/ul m

response 1737965

Ion	Exp%	Act%
136.00	100	100
68.00	5.50	4.79
0.00	0.00	0.00
0.00	0.00	0.00

AP
 04/9/2020

Quantitation Report (Qedit)

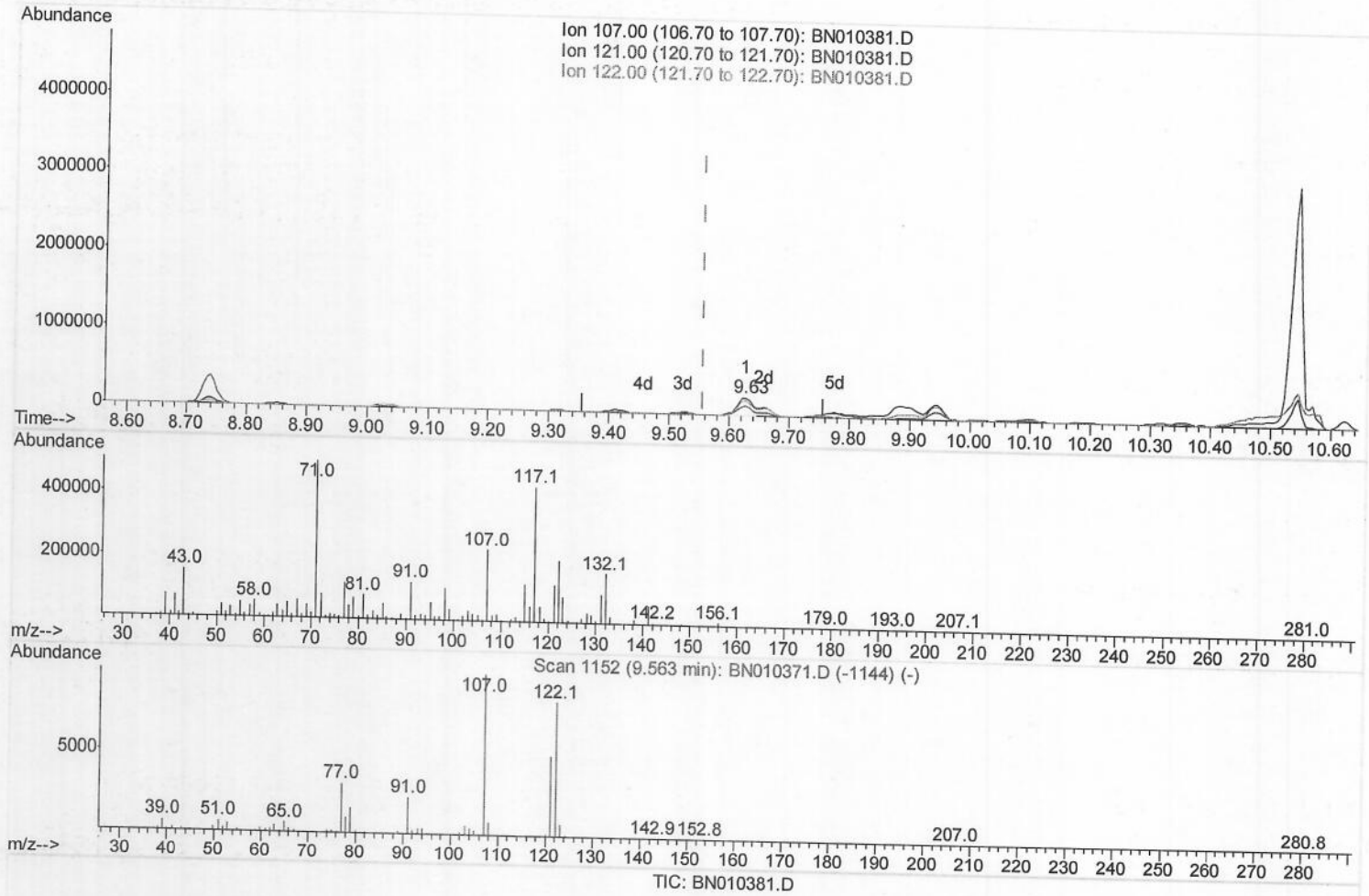
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(24) 2,4-Dimethylphenol

9.628min (+0.071) 24.37ng/ul

response 429896

Ion	Exp%	Act%
107.00	100	100
121.00	50.30	51.91
122.00	86.30	86.88
0.00	0.00	0.00

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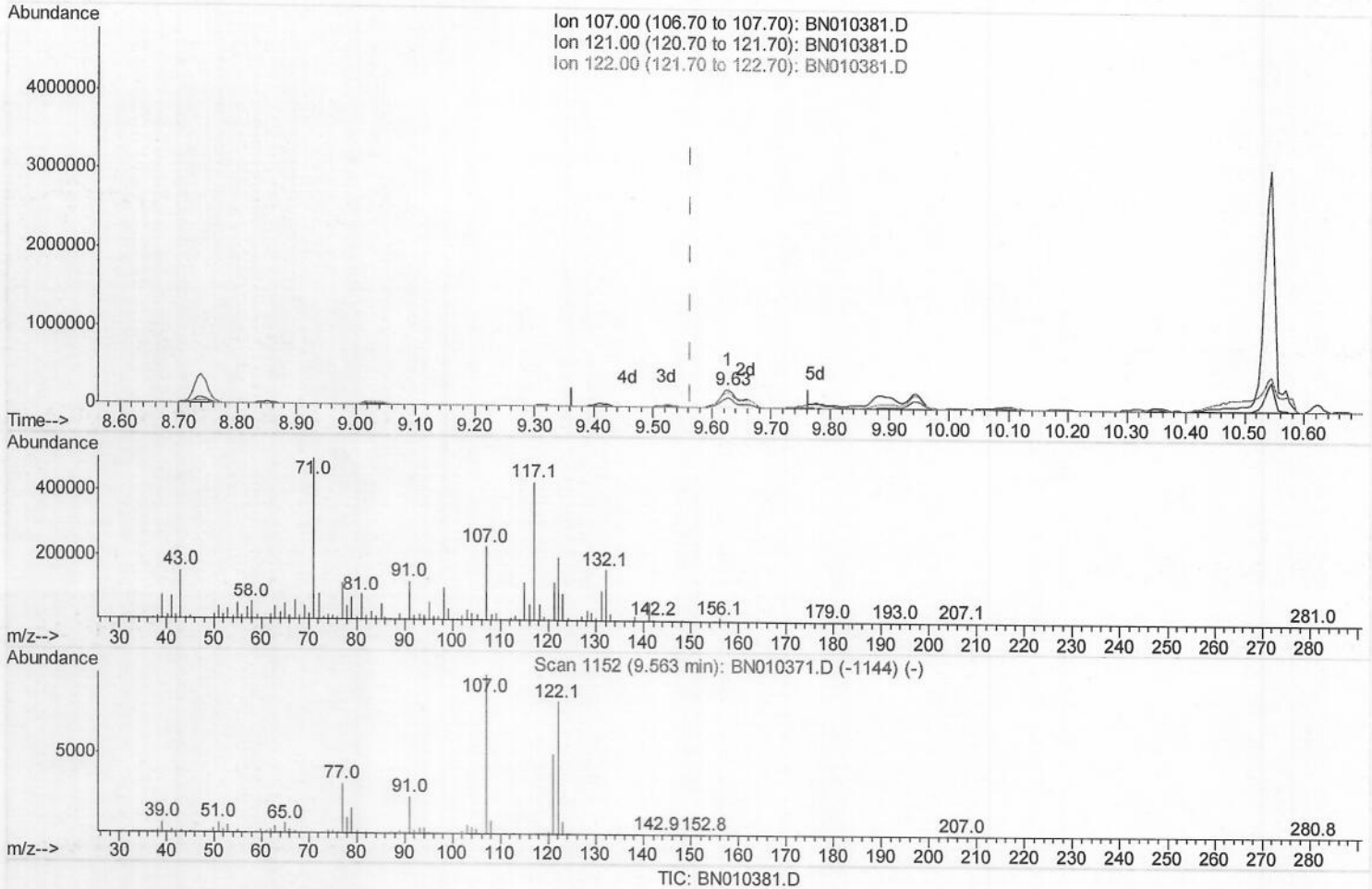
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(24) 2,4-Dimethylphenol

9.628min (+0.065) 18.44ng/ul m

response 588648

Ion	Exp%	Act%
107.00	100	100
121.00	50.30	51.91
122.00	86.30	86.88
0.00	0.00	0.00

AP
 04/9/2020

Quantitation Report (Qedit)

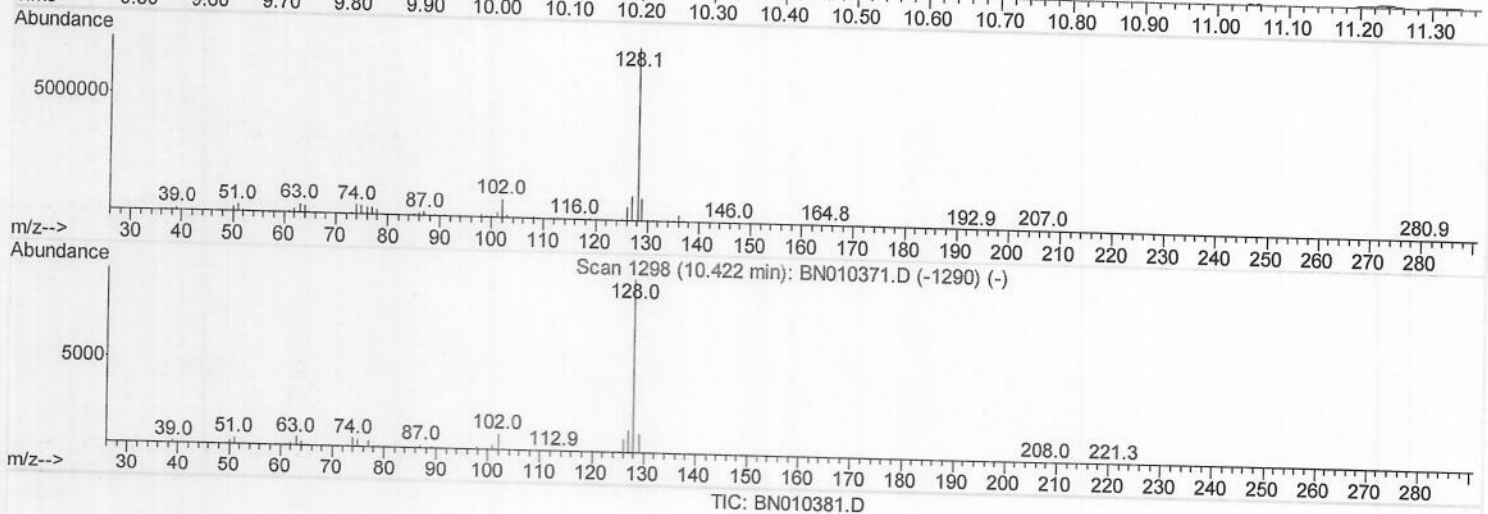
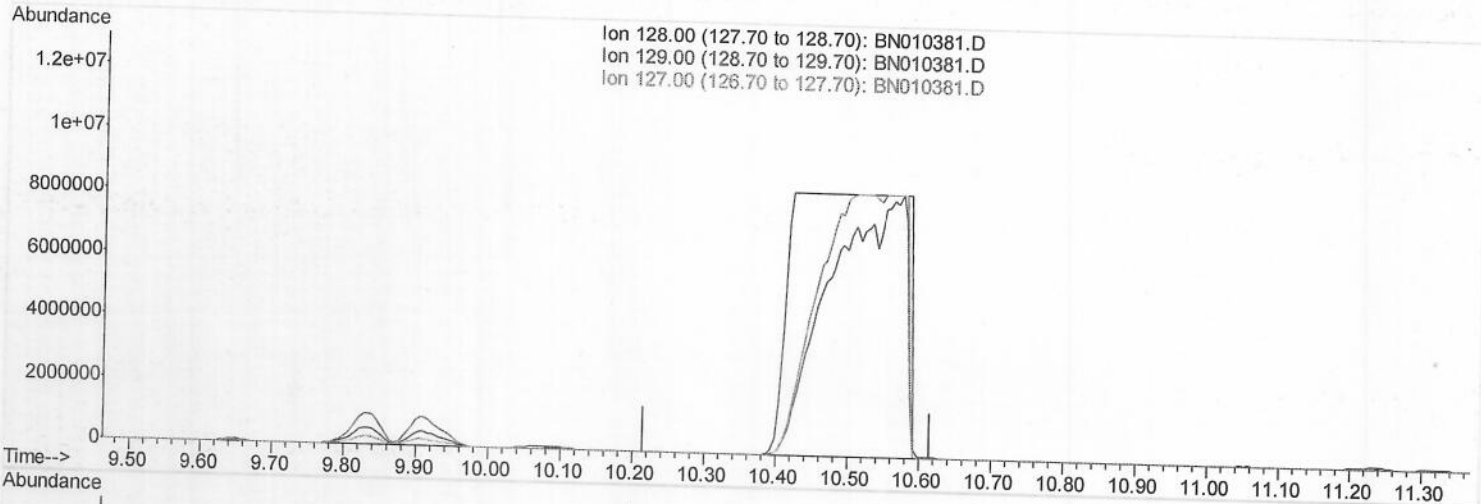
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(28) Naphthalene

10.416min (-10.416) 0.00ng/ul

response 0

Ion	Exp%	Act%
128.00	100	0.00
129.00	10.80	0.00#
127.00	13.50	0.00#
0.00	0.00	0.00

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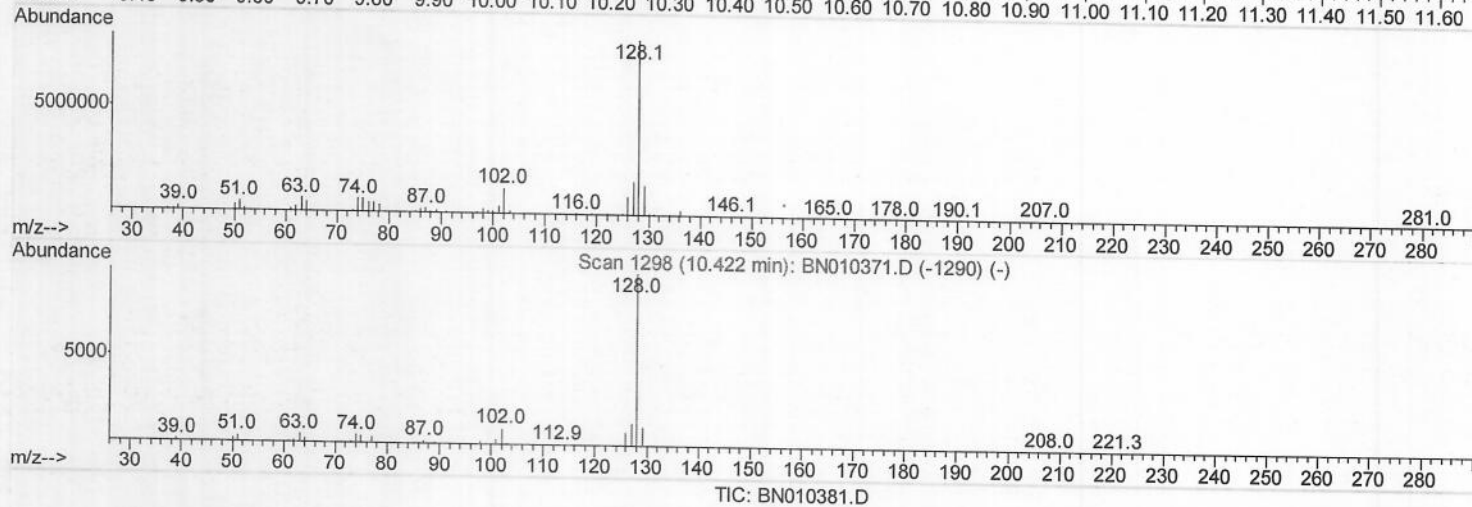
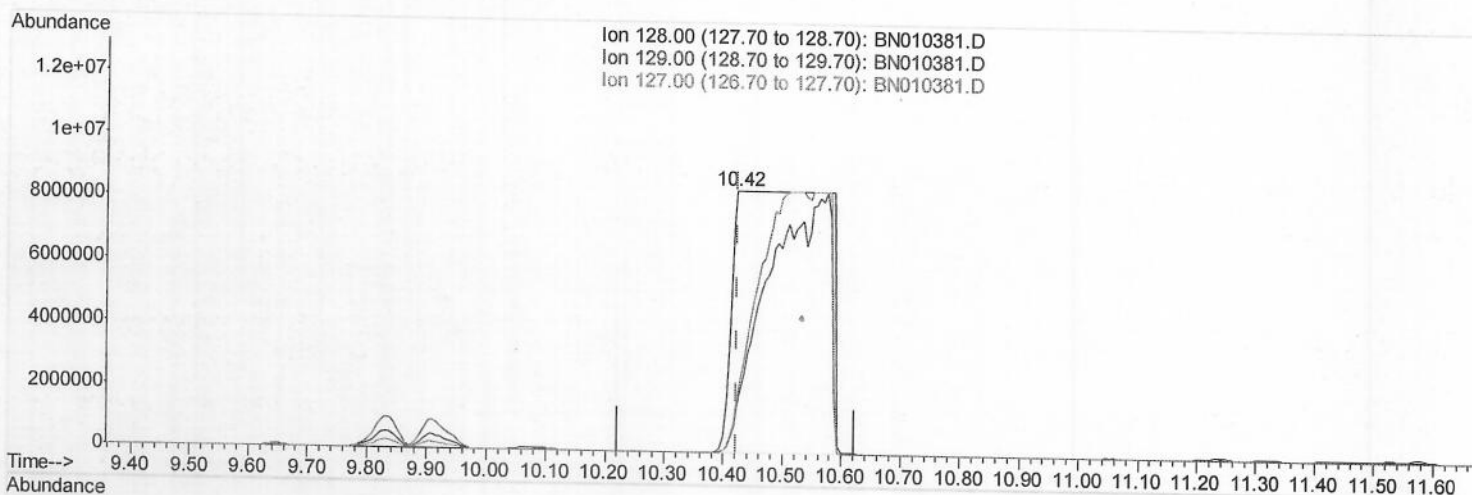
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(28) Naphthalene

10.422min (+0.000) 972.28ng/ul m

response 90903788

Ion	Exp%	Act%
128.00	100	100
129.00	10.80	17.06#
127.00	13.50	19.42#
0.00	0.00	0.00

AP
 04/09/2020

Quantitation Report (Qedit)

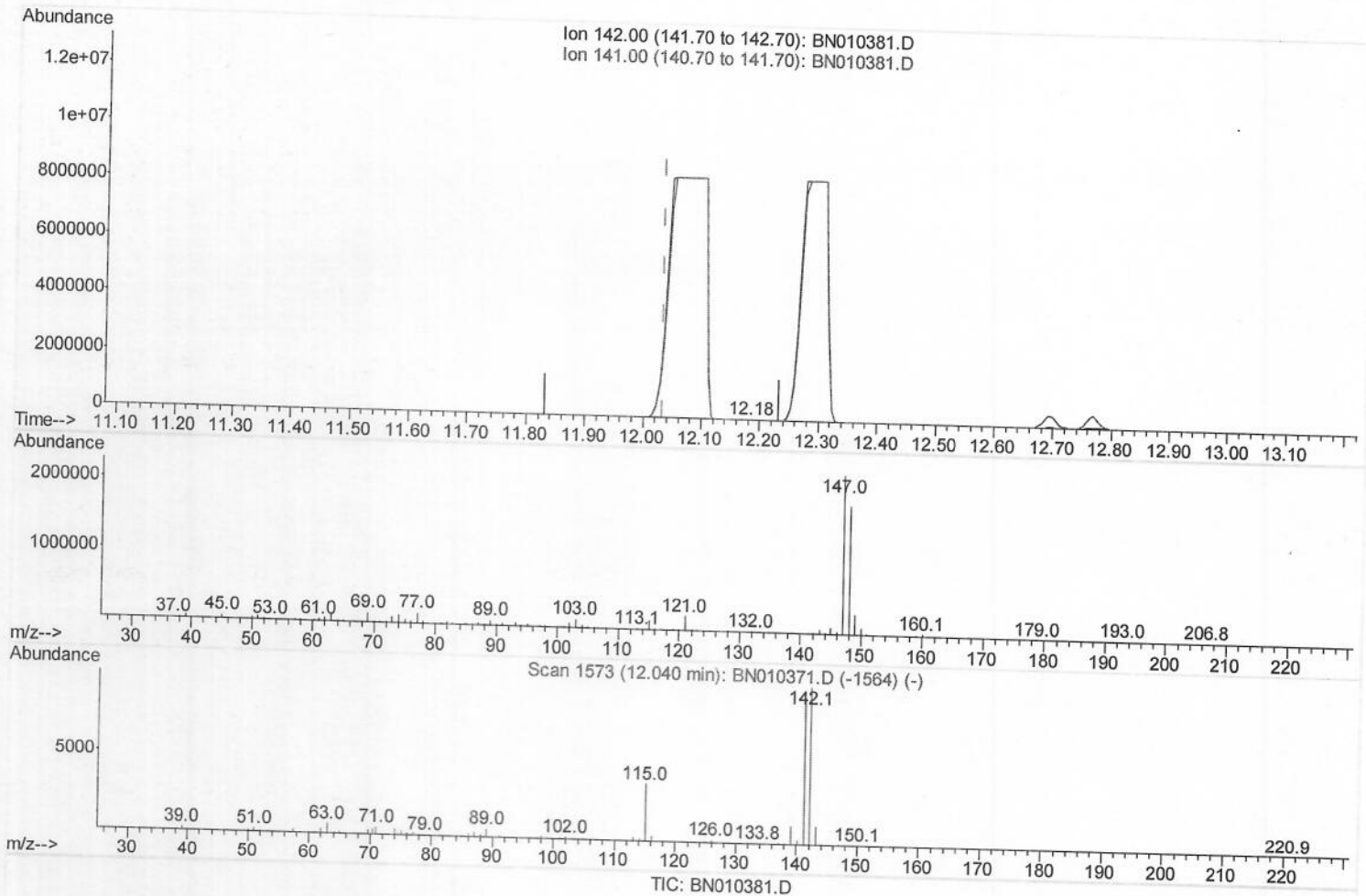
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(34) 2-Methylnaphthalene

12.181min (+0.147) 0.56ng/ul

response 20894

Ion	Exp%	Act%
142.00	100	100
141.00	90.10	38.61#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

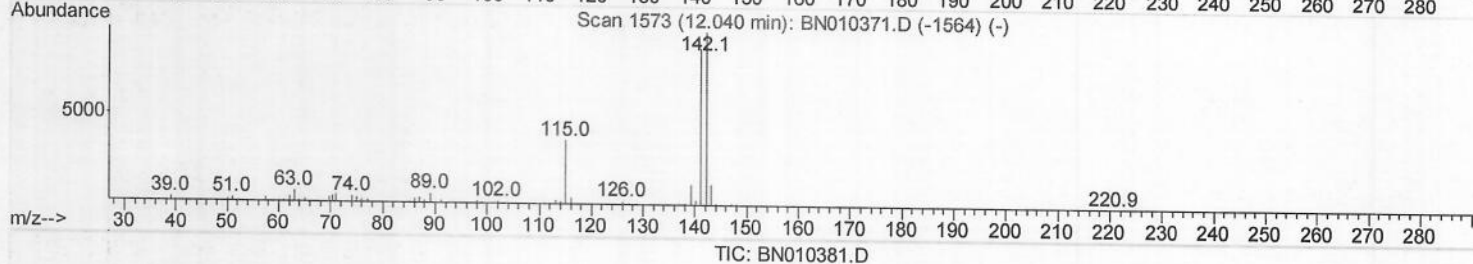
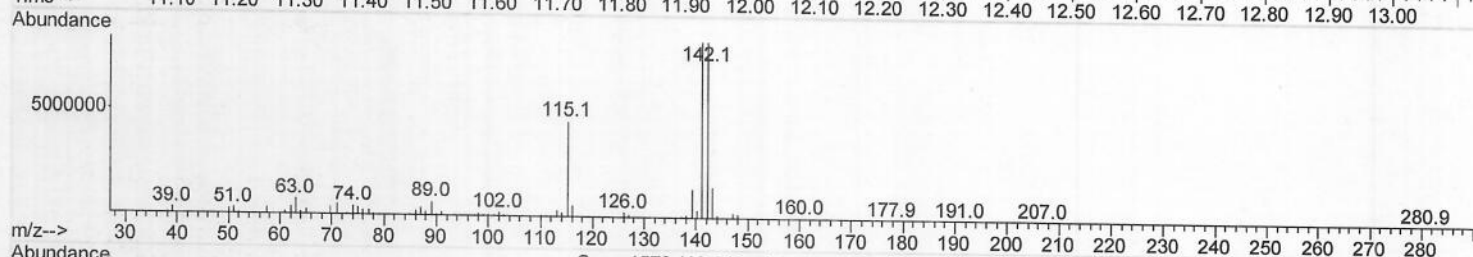
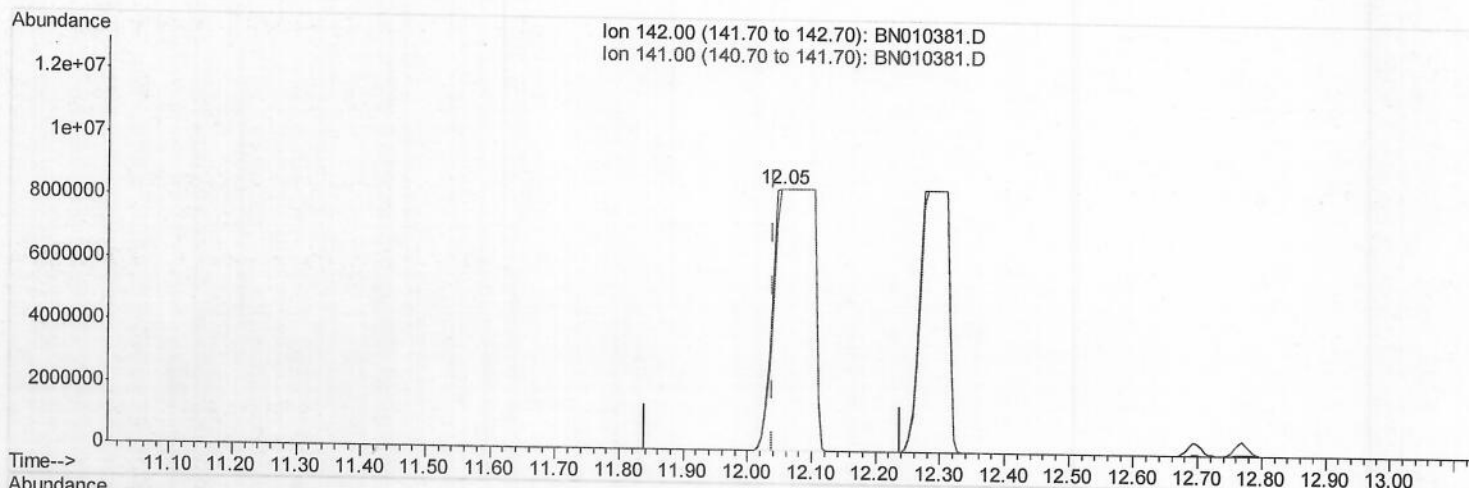
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mohammad
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(34) 2-Methylnaphthalene

12.052min (+0.012) 542.48ng/ul m

response 36848322

Ion	Exp%	Act%
142.00	100	100
141.00	90.10	100.00
0.00	0.00	0.00
0.00	0.00	0.00

AP
 04/9/2020

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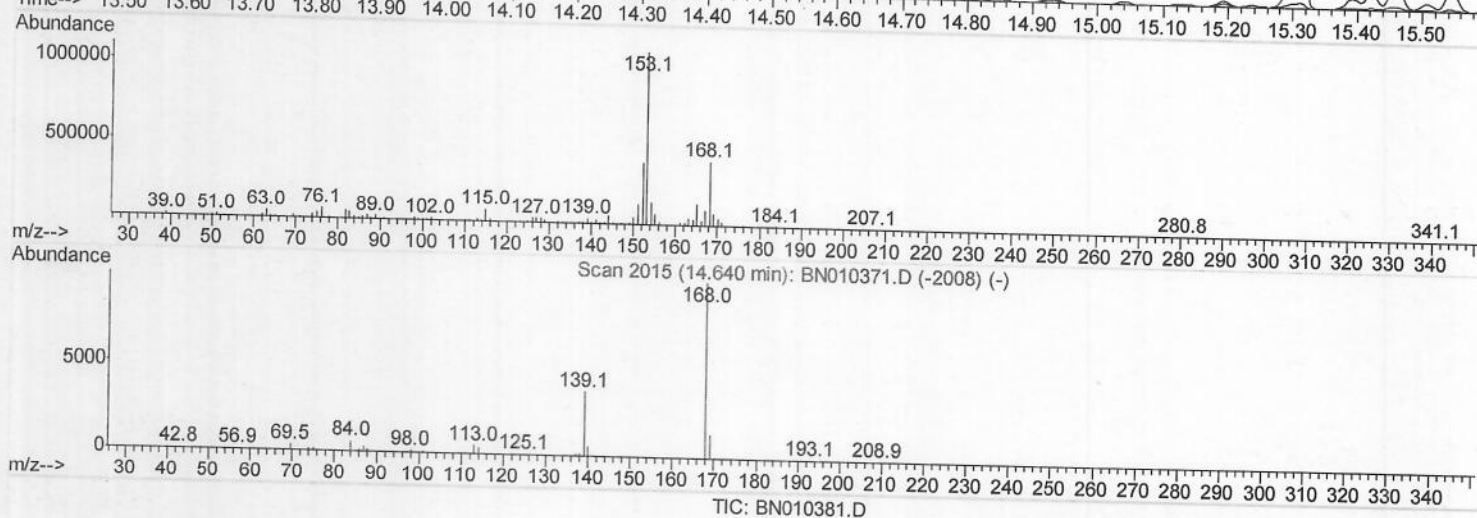
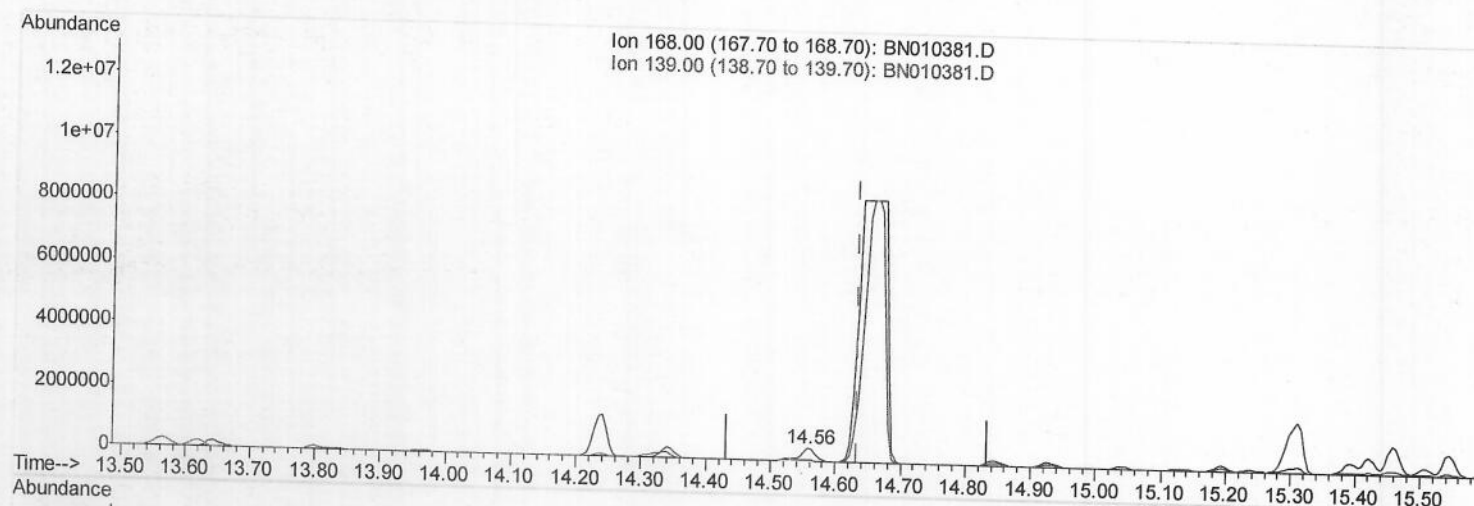
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(54) Dibenzofuran
 14.557min (-0.076) 4.17ng/ul
 response 676574

Ion	Exp%	Act%
168.00	100	100
139.00	36.20	8.08#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

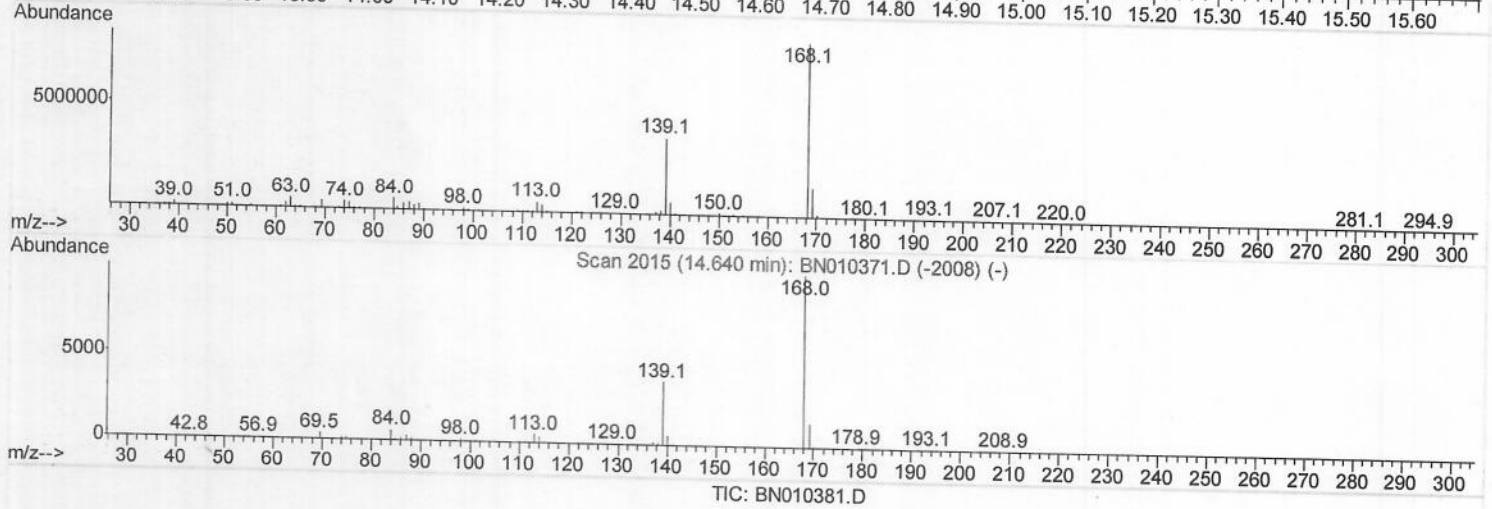
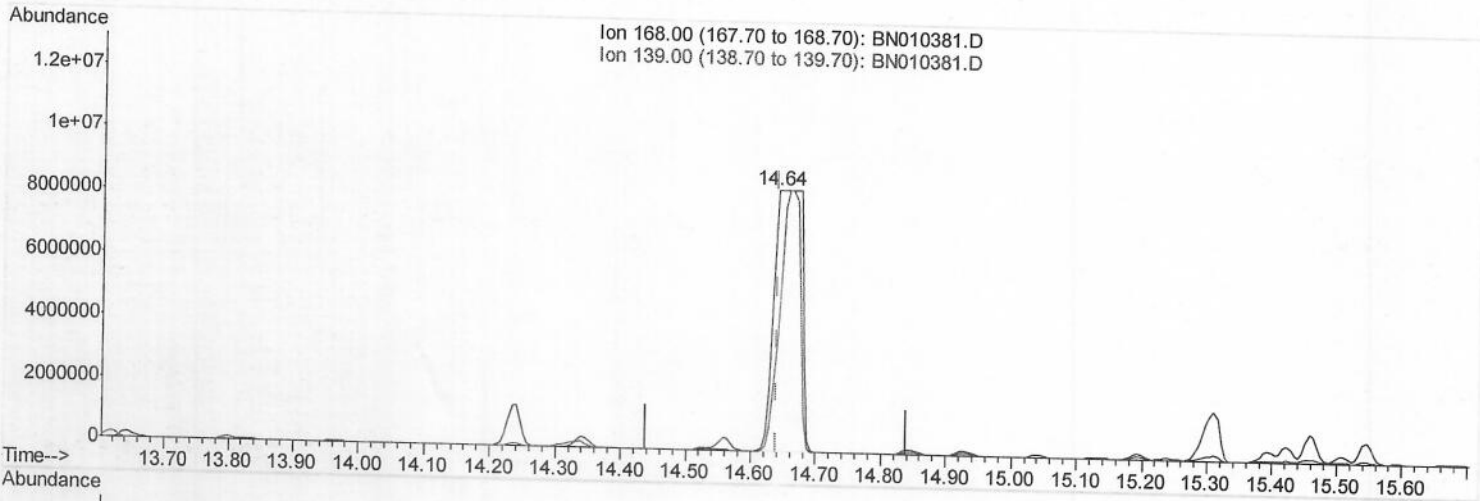
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(54) Dibenzofuran

14.640min (+0.000) 152.46ng/ul m

response 24755225

Ion	Exp%	Act%
168.00	100	100
139.00	36.20	43.93#
0.00	0.00	0.00
0.00	0.00	0.00

AP
 04/9/2020

Quantitation Report (Qedit)

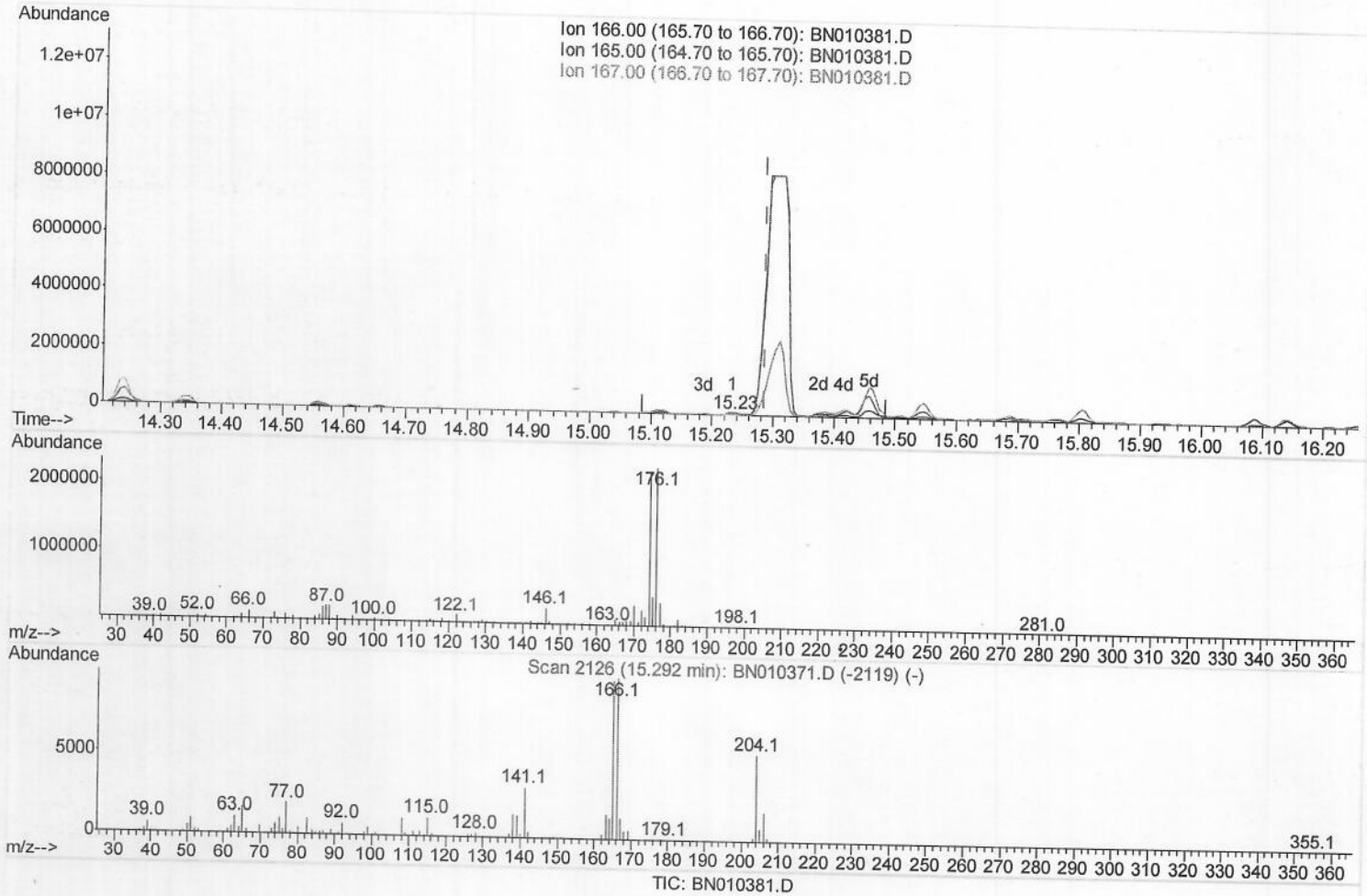
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(59) Fluorene

15.234min (-0.053) 0.58ng/ul

response 77151

Ion	Exp%	Act%
166.00	100	100
165.00	97.00	147.63#
167.00	13.40	97.05#
0.00	0.00	0.00

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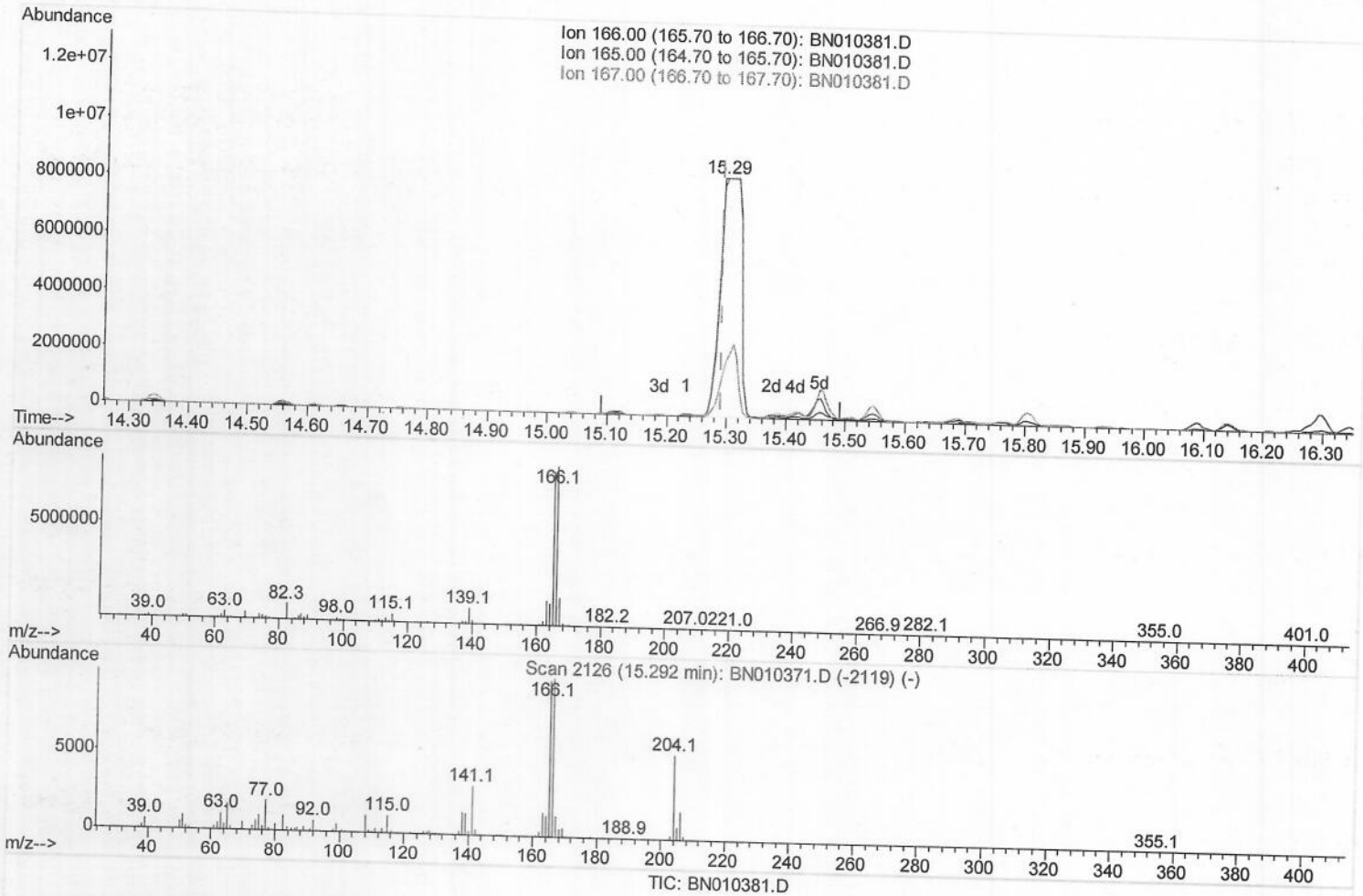
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(59) Fluorene

15.293min (+0.000) 157.68ng/ul m

response 20836538

Ion	Exp%	Act%
166.00	100	100
165.00	97.00	96.63
167.00	13.40	17.62#
0.00	0.00	0.00

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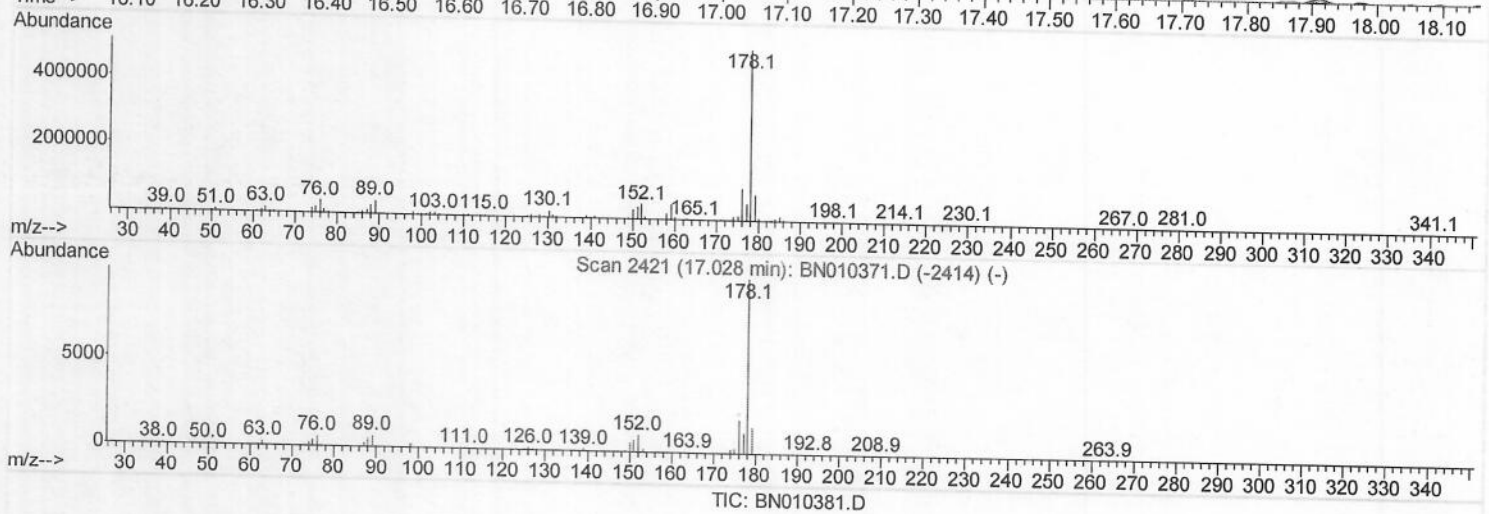
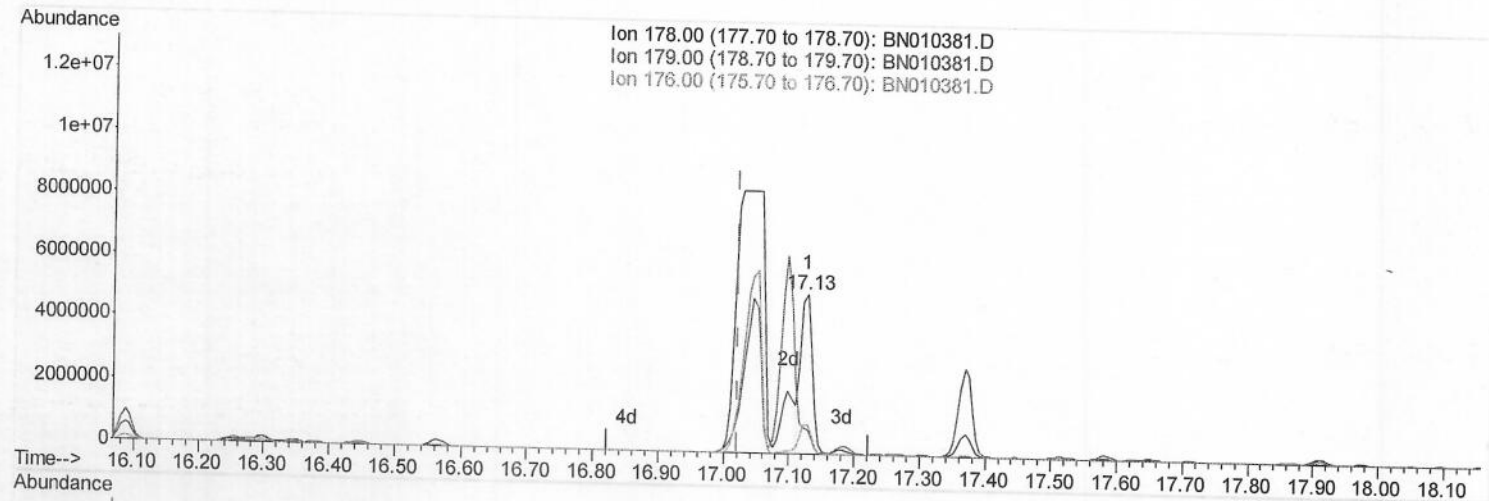
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(70) Phenanthrene

17.128min (+0.106) 29.25ng/ul

response 6141685

Ion	Exp%	Act%
178.00	100	100
179.00	14.90	15.12
176.00	19.30	18.38
0.00	0.00	0.00

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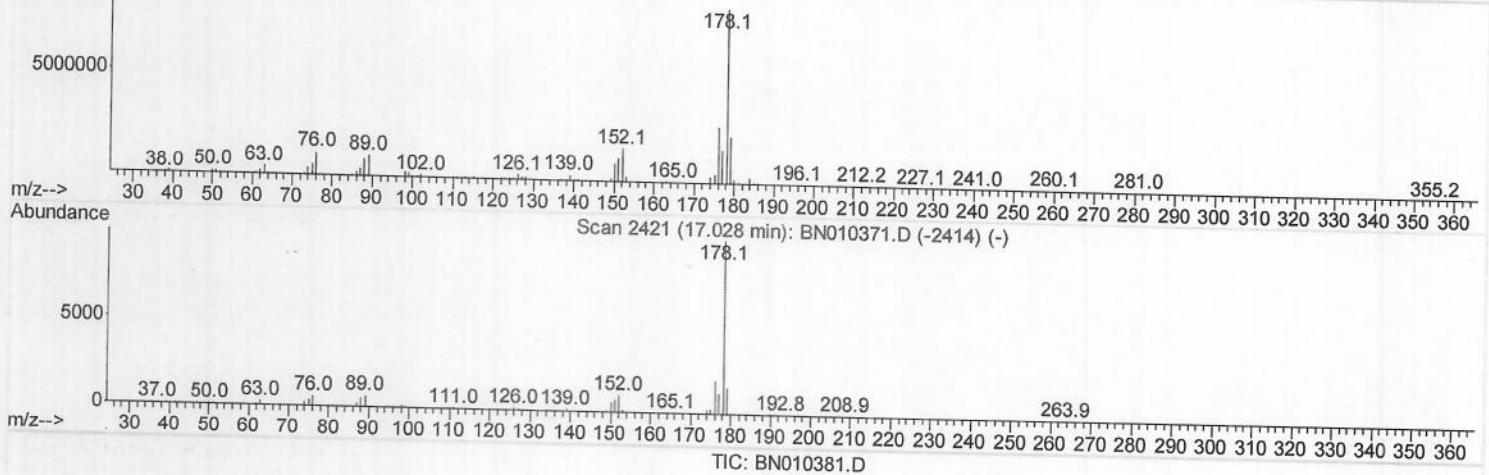
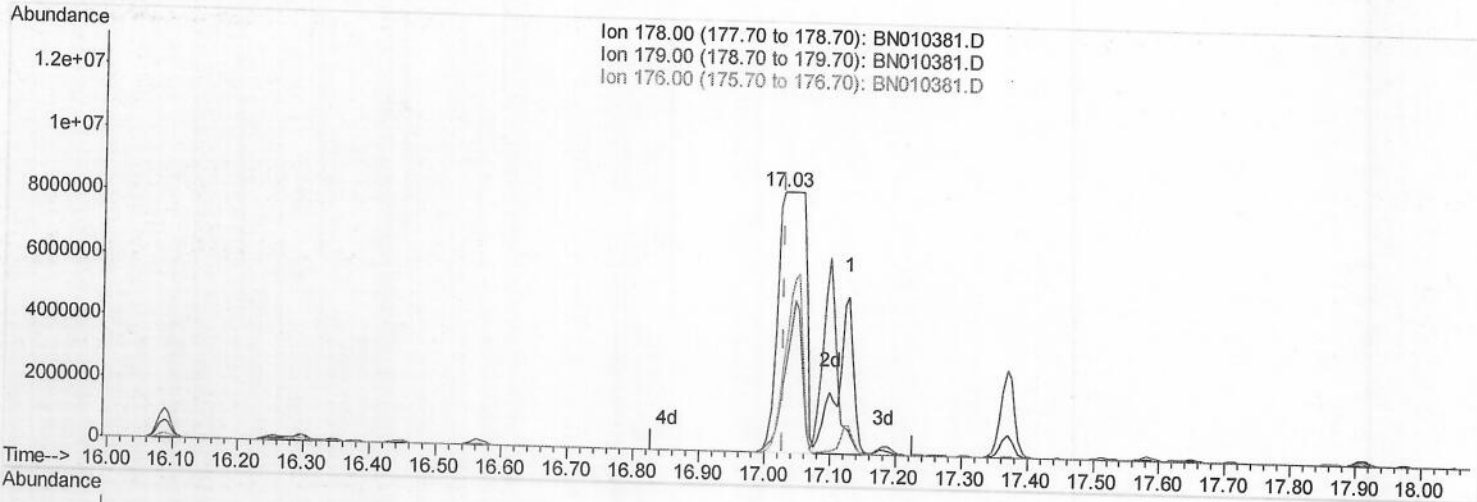
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(70) Phenanthrene

17.028min (+0.000) 116.71ng/ul m

response 24508935

Ion	Exp%	Act%
178.00	100	100
179.00	14.90	26.44#
176.00	19.30	32.12#
0.00	0.00	0.00

AP
 04/9/2020

Quantitation Report (Qedit)

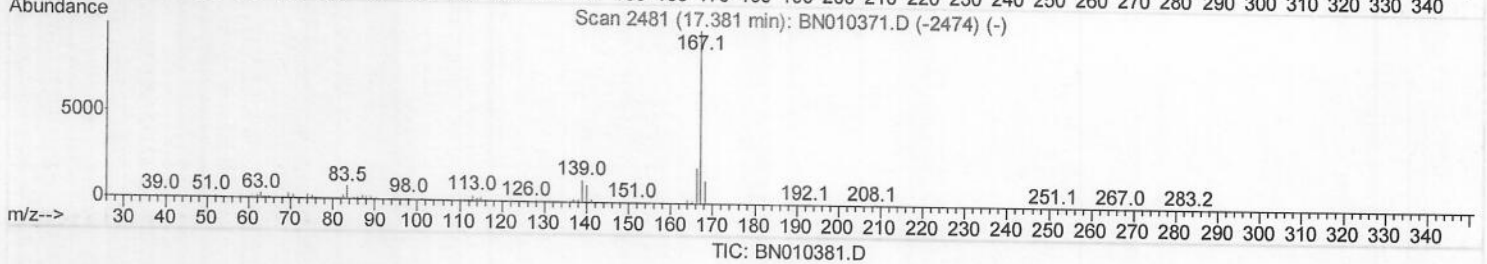
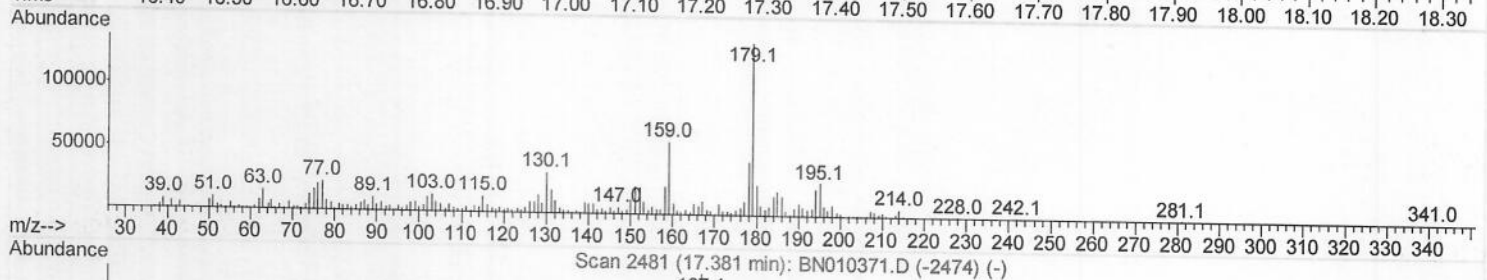
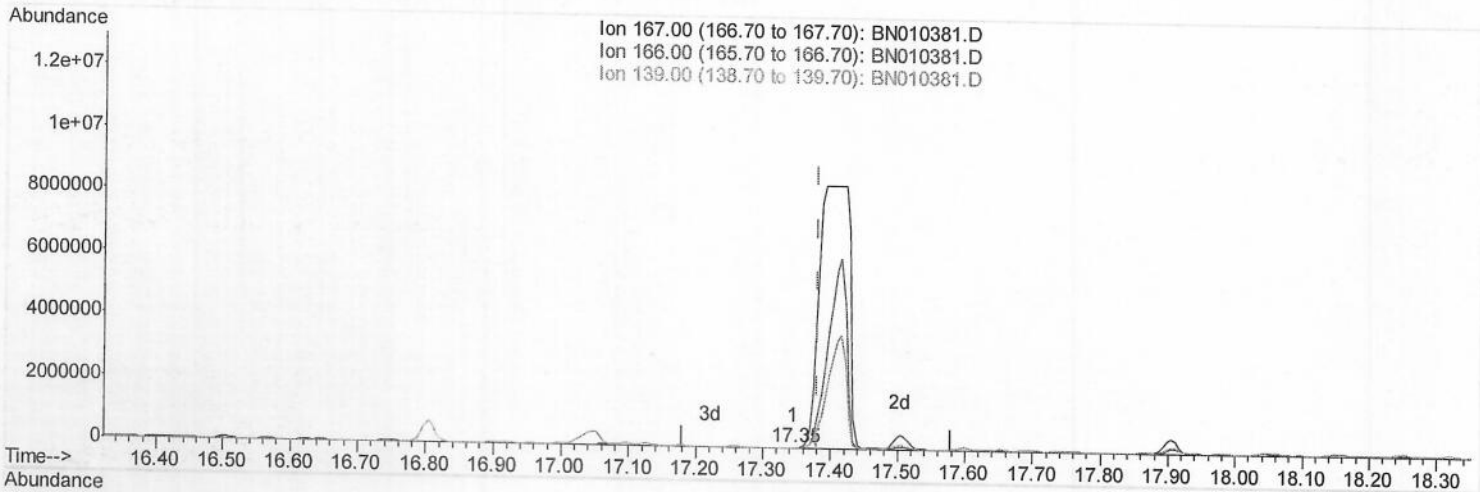
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 08 05:37:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 08 05:33:27 2020
 Response via : Initial Calibration



(75) Carbazole

17.345min (-0.035) 0.05ng/ul

response 9488

Ion	Exp%	Act%
167.00	100	100
166.00	21.60	68.07#
139.00	12.50	81.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

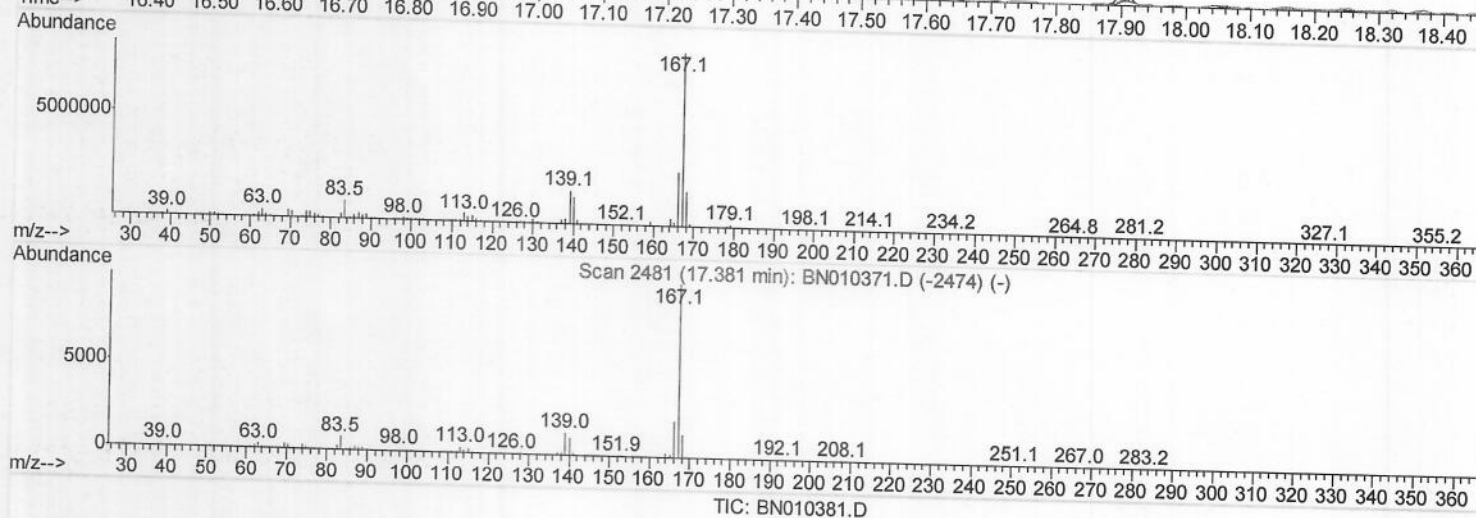
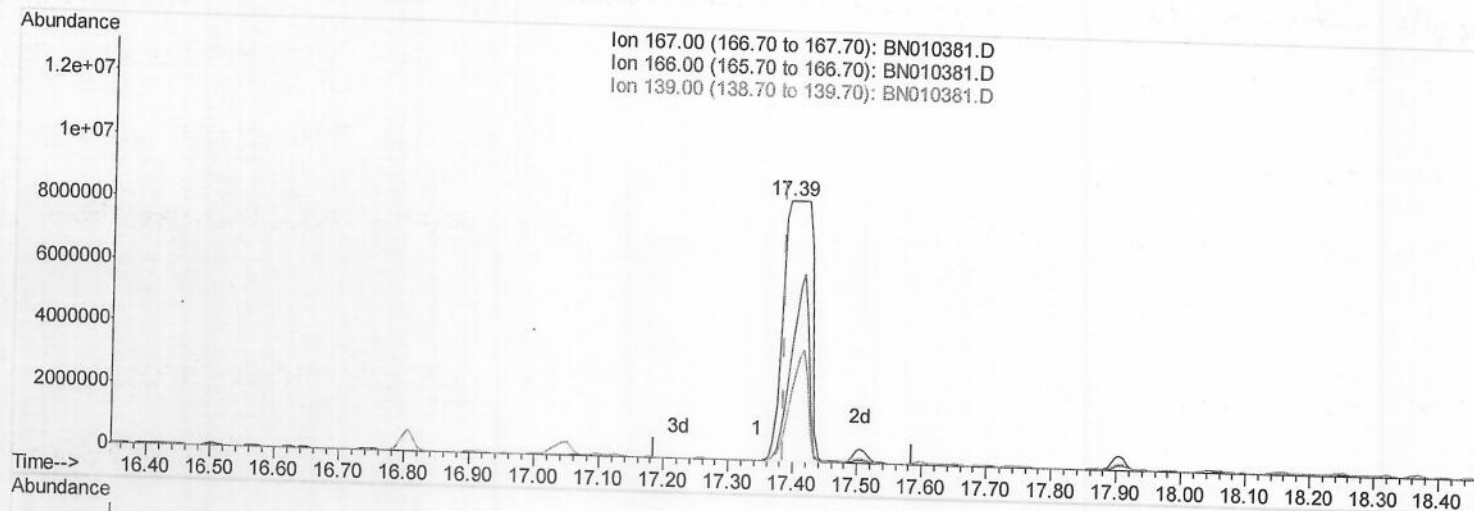
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 02 06:10:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 02 00:34:36 2020
 Response via : Initial Calibration



(75) Carbazole

17.392min (+0.006) 147.85ng/ul m

response 25821624

Ion	Exp%	Act%
167.00	100	100
166.00	21.60	31.60#
139.00	12.50	19.54#
0.00	0.00	0.00

AP
 04/9/2020

Quantitation Report (Qedit)

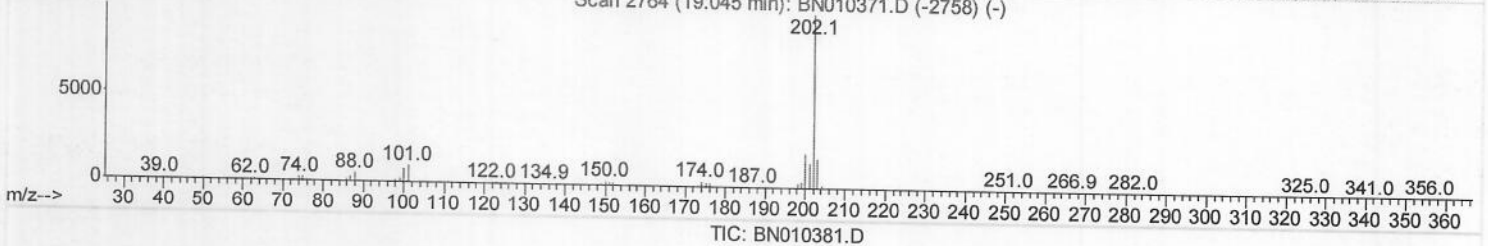
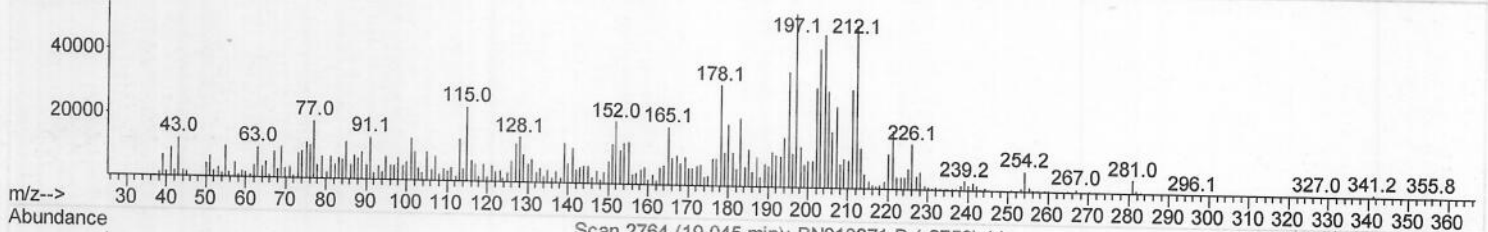
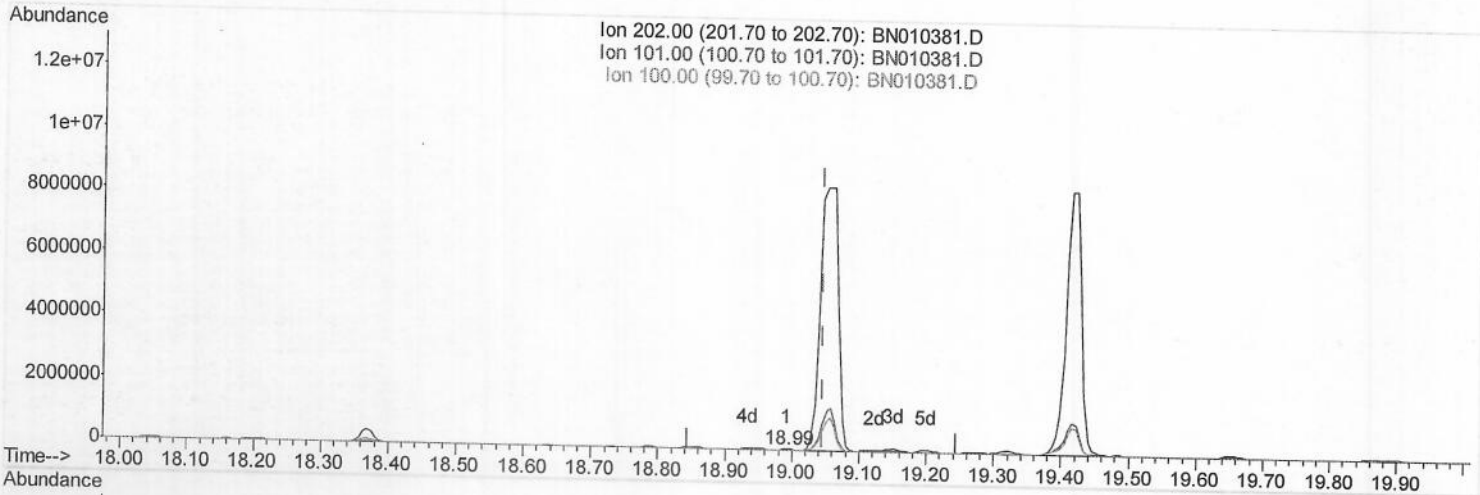
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 08 05:37:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 08 05:33:27 2020
 Response via : Initial Calibration



(77) Fluoranthene (C)

18.992min (-0.053) 0.13ng/ul

response 29488

Ion	Exp%	Act%
202.00	100	100
101.00	10.10	42.53#
100.00	7.80	18.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

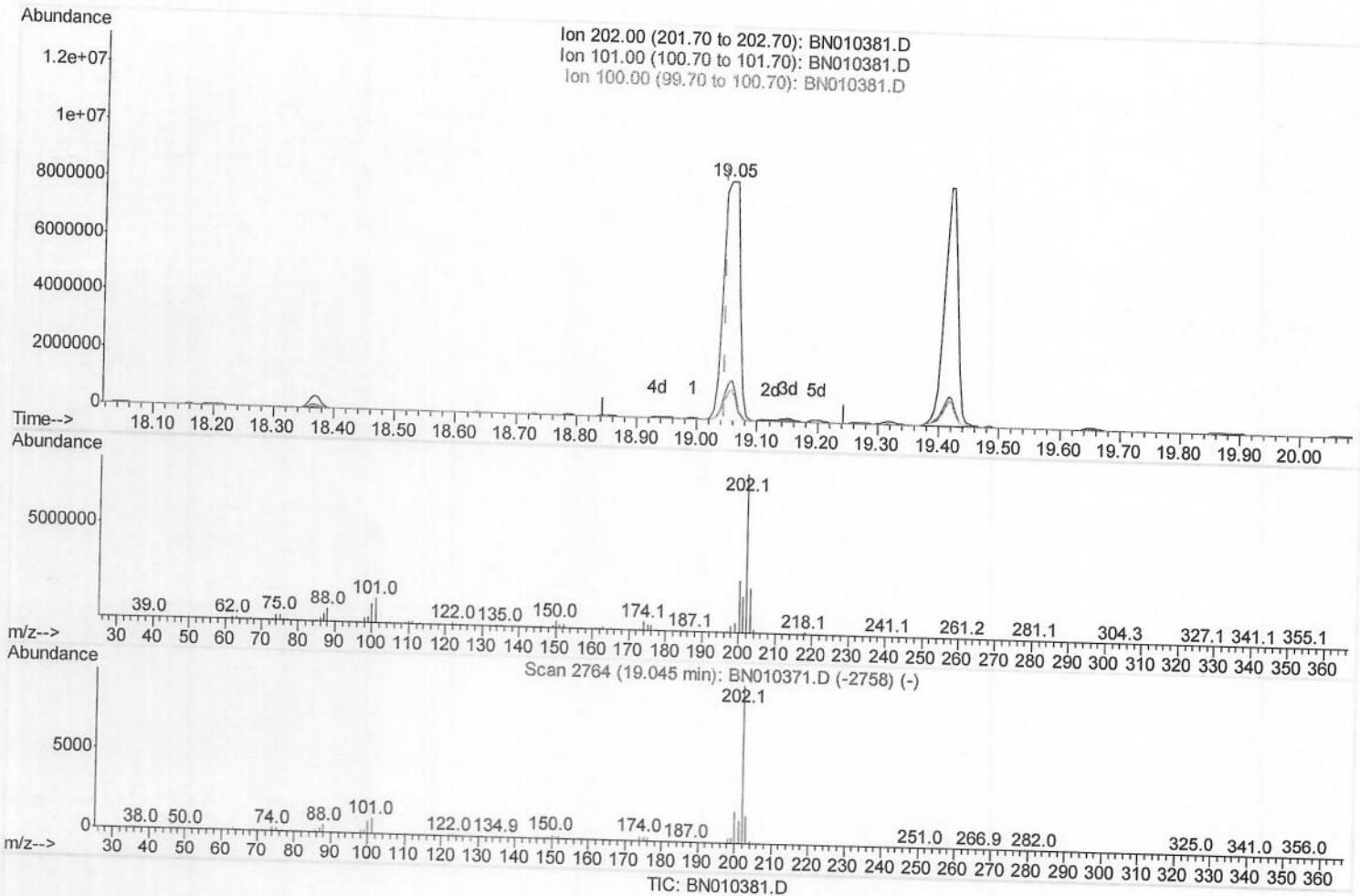
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 02 06:10:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 02 00:34:36 2020
 Response via : Initial Calibration



(77) Fluoranthene (C)

19.051min (+0.006) 70.68ng/ul m

response 15806570

Ion	Exp%	Act%
202.00	100	100
101.00	10.10	15.45#
100.00	7.80	11.98#
0.00	0.00	0.00

AP
 04/9/2020

Quantitation Report (Qedit)

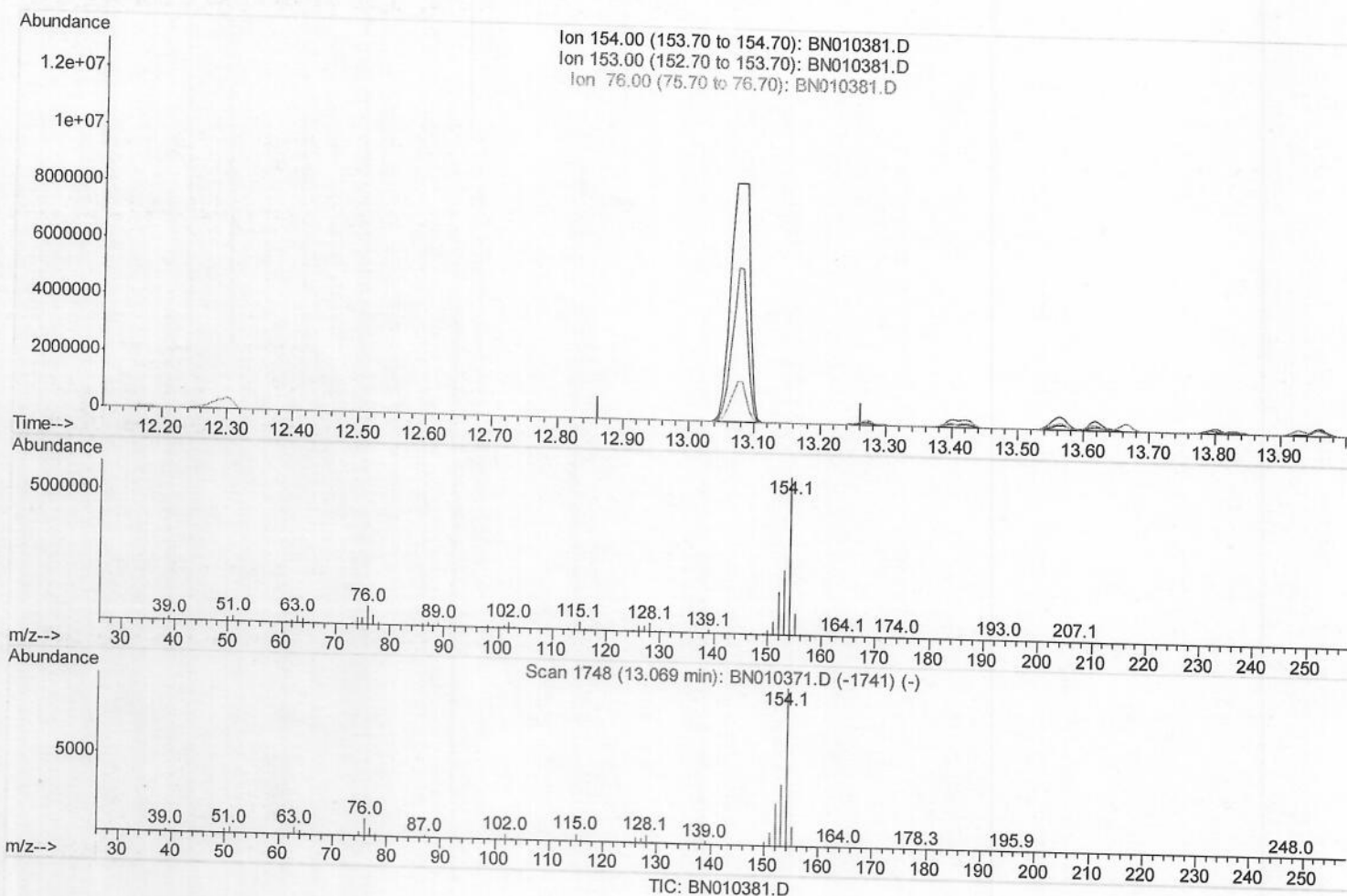
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 08 05:37:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
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 QLast Update : Wed Apr 08 05:33:27 2020
 Response via : Initial Calibration



(41) 1,1'-Biphenyl

13.063min (-13.063) 0.00ng/ul

response 0

Ion	Exp%	Act%
154.00	100	0.00
153.00	40.80	0.00#
76.00	11.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

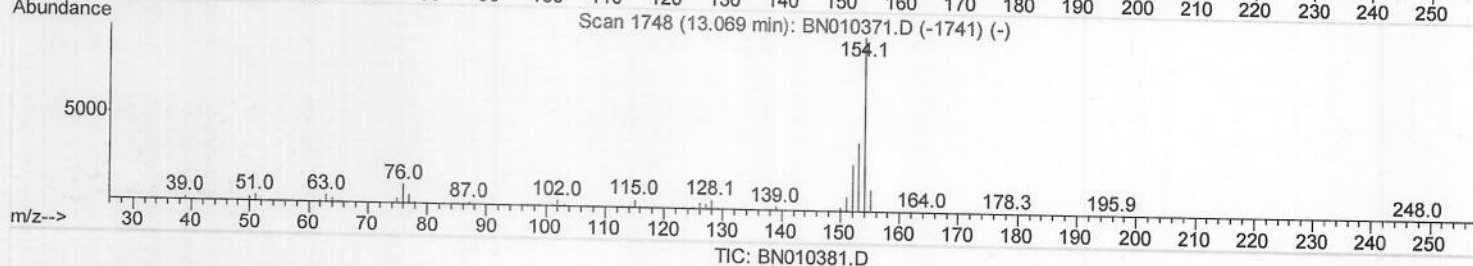
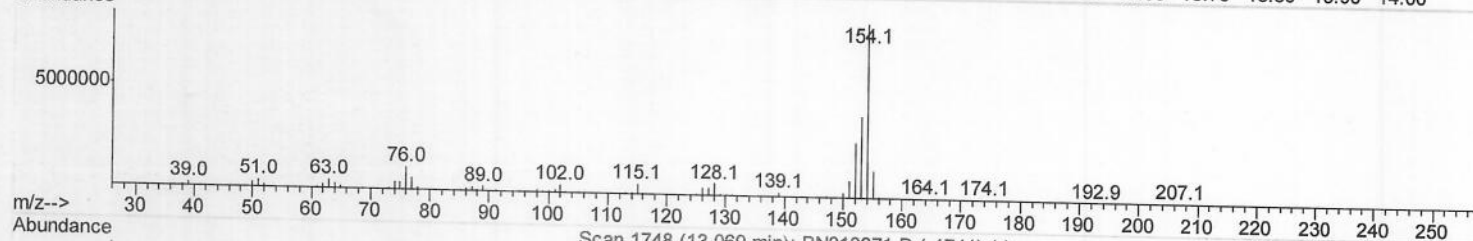
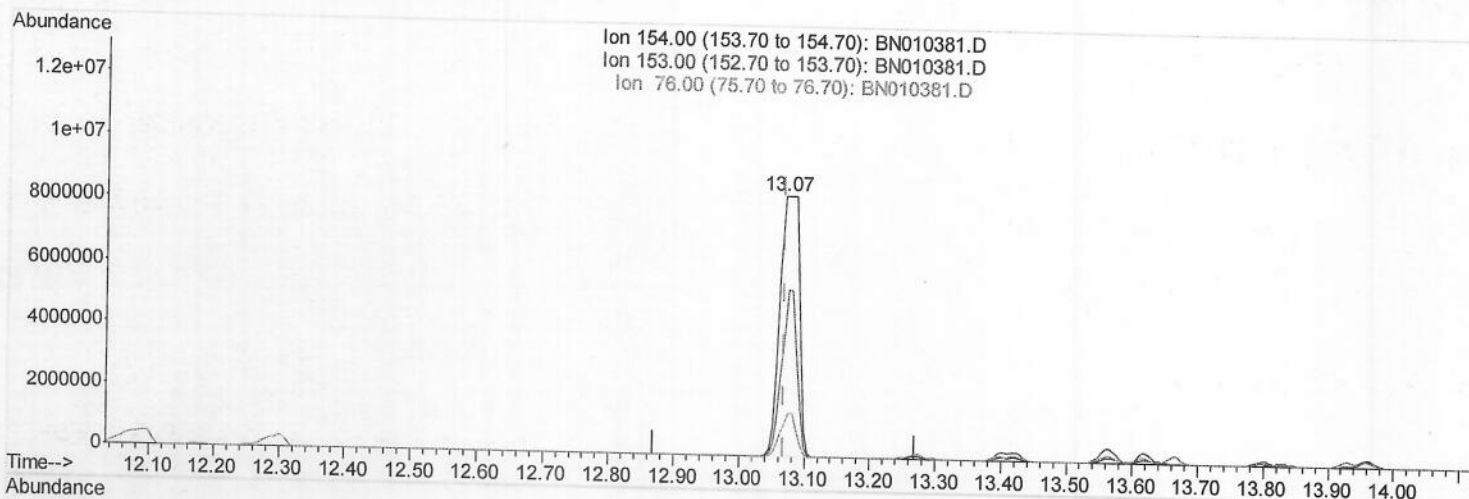
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 02 06:10:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 02 00:34:36 2020
 Response via : Initial Calibration



(41) 1,1'-Biphenyl

13.069min (+0.000) 126.88ng/ul m

response 17038564

Ion	Exp%	Act%
154.00	100	100
153.00	40.80	47.41
76.00	11.80	13.31
0.00	0.00	0.00

→ AP
 04/9/2020

Quantitation Report (Qedit)

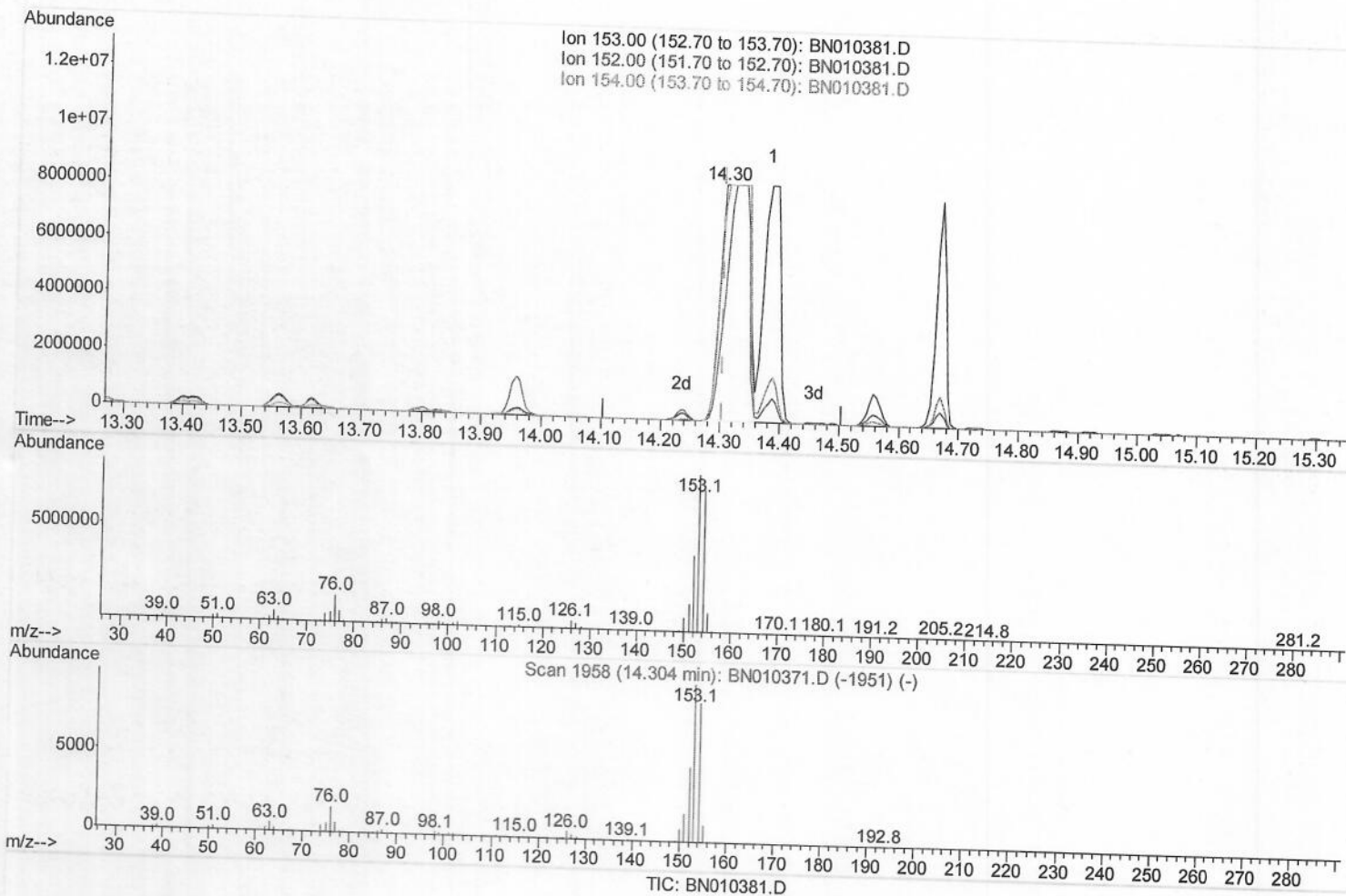
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 02 06:10:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 02 00:34:36 2020
 Response via : Initial Calibration



(50) Acenaphthene (C)

14.304min (+0.000) 246.06ng/ul m

response 28364574

Ion	Exp%	Act%
153.00	100	100
152.00	47.20	48.95
154.00	86.40	90.54
0.00	0.00	0.00

AP
 04/19/2020

Quantitation Report (Qedit)

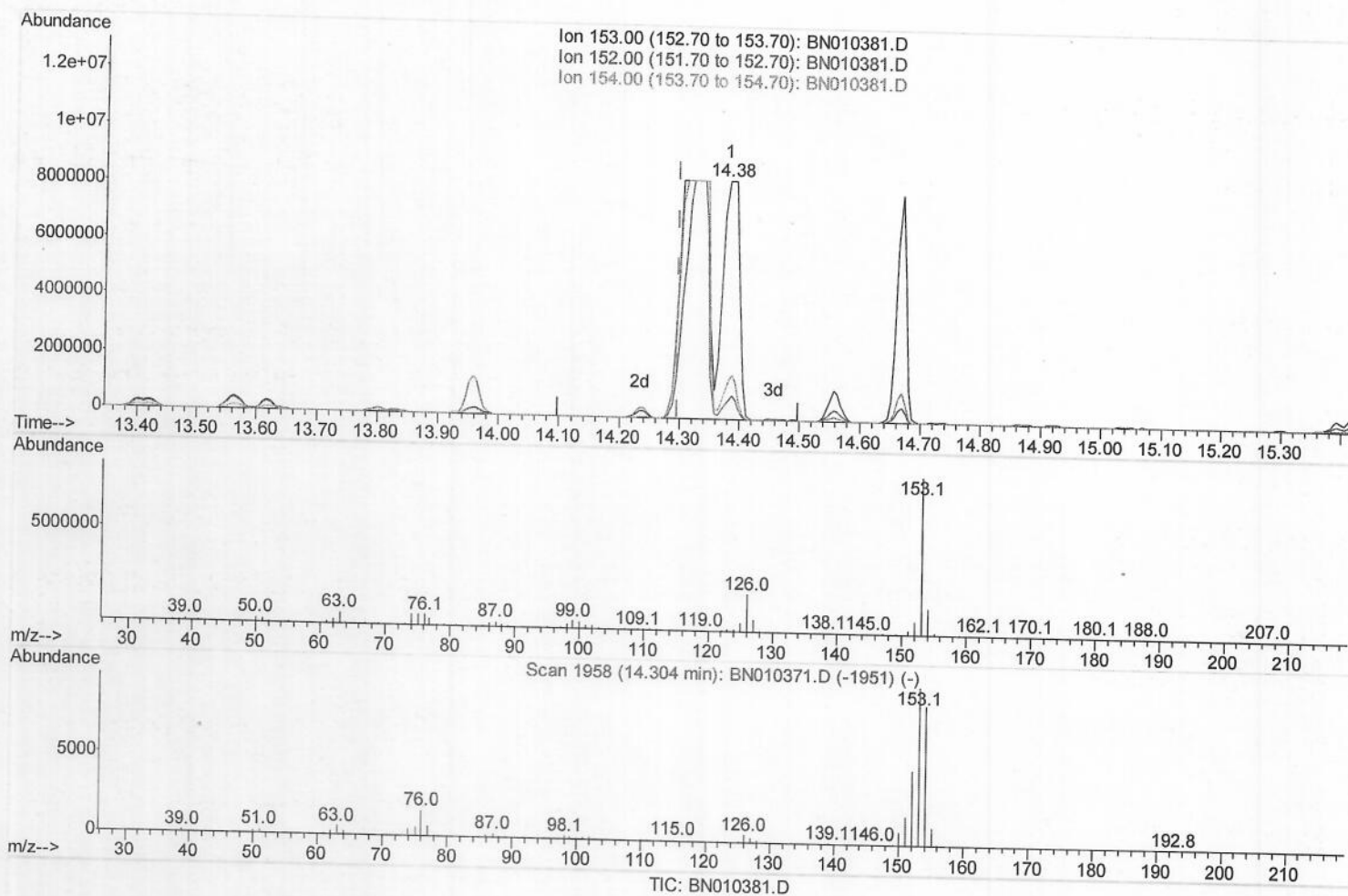
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
 APPROVED

mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 08 05:37:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 08 05:33:27 2020
 Response via : Initial Calibration



(50) Acenaphthene (C)

14.381min (+0.082) 138.14ng/ul

response 15923895

Ion	Exp%	Act%
153.00	100	100
152.00	47.20	8.30#
154.00	86.40	16.30#
0.00	0.00	0.00

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 DBF14

Manual Integrations
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mohammad
 4/3/2020 2:19:04 PM

Quant Time: Apr 02 06:10:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 02 00:34:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	591771	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1737965m	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.25	164	1764683	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	3789850	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	4096545	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	4576905	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	18469	1.48	ng/uL	0.00
5) Phenol-d5	6.80	99	429430	8.70	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.96	67	808306	31.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	1120131	28.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	792195	19.00	ng/ul	0.02
19) Nitrobenzene-d5	8.76	128	766474	59.40	ng/ul	0.01
22) 2-Nitrophenol-d4	9.49	143	775845	56.79	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.06	165	1399061	49.39	ng/ul	0.06
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.66	166	4789409	35.97	ng/ul	0.01
47) Acenaphthylene-d8	13.93	160	5712479	36.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	247546	9.90	ng/ul	0.01
58) Fluorene-d10	15.24	176	4281585	36.90	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	782383	36.05	ng/ul	0.01
71) Anthracene-d10	17.09	188	6154080	35.36	ng/ul	0.01
79) Pyrene-d10	19.39	212	7602385	36.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	8767122	38.50	ng/ul	0.00

Target Compounds

				Ovalue	
16) 4-Methylphenol	8.40	108	338184	7.704	ng/ul 87
24) 2,4-Dimethylphenol	9.63	107	588648m	18.444	ng/ul
28) Naphthalene	10.42	128	90903788m	972.278	ng/ul
34) 2-Methylnaphthalene	12.05	142	36848322m	542.479	ng/ul
41) 1,1'-Biphenyl	13.07	154	17038564m	126.883	ng/ul
48) Acenaphthylene	13.96	152	1959283	11.708	ng/ul#
50) Acenaphthene	14.30	153	28364574m	246.058	ng/ul
54) Dibenzofuran	14.64	168	24755225m	152.462	ng/ul
59) Fluorene	15.29	166	20836538m	157.680	ng/ul
70) Phenanthrene	17.03	178	24508935m	116.710	ng/ul
72) Anthracene	17.13	178	6141685	29.242	ng/ul
75) Carbazole	17.39	167	25821624m	147.848	ng/ul
77) Fluoranthene	19.05	202	15806570m	70.678	ng/ul
80) Pyrene	19.42	202	12997850	47.452	ng/ul
83) Benzo(a)anthracene	21.17	228	2493369	9.059	ng/ul
85) Chrysene	21.22	228	2155975	8.214	ng/ul
88) Benzo(b)fluoranthene	22.72	252	1189249	4.291	ng/ul
89) Benzo(k)fluoranthene	22.75	252	322040m	1.196	ng/ul
91) Benzo(a)pyrene	23.26	252	539222	2.078	ng/ul 100

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