

(QT Reviewed)

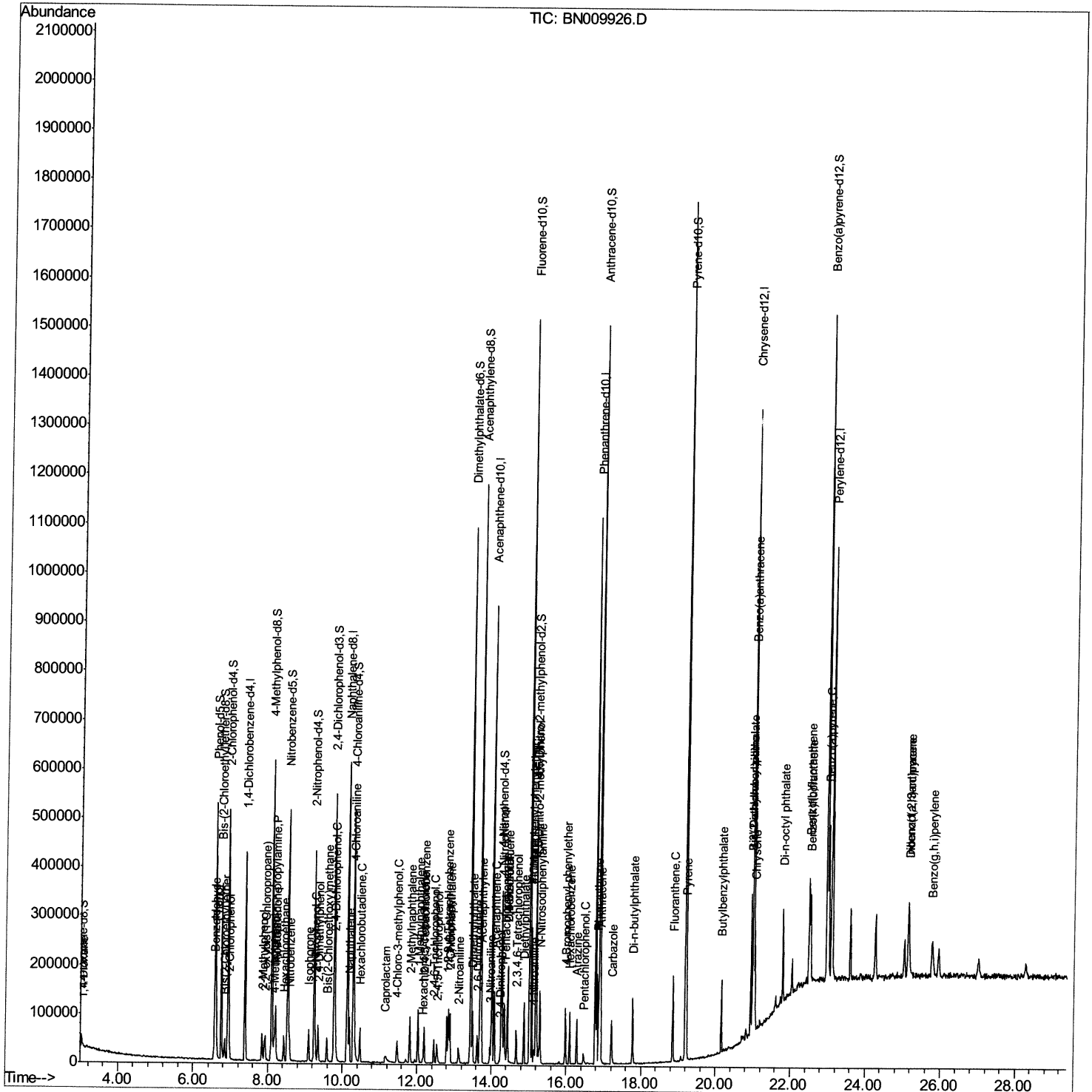
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Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022620\  
Data File : BN009926.D  
Acq On    : 26 Feb 2020  13:18  
Operator  : CG/JU  
Sample    : K5695-04  
Misc      : ME-SOIL-MDL-04  
ALS Vial  : 7      Sample Multiplier: 1
```

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-04

Manual Integrations

mohammad
2/27/2020 4:57:05 PM

Quant Time: Feb 26 14:01:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

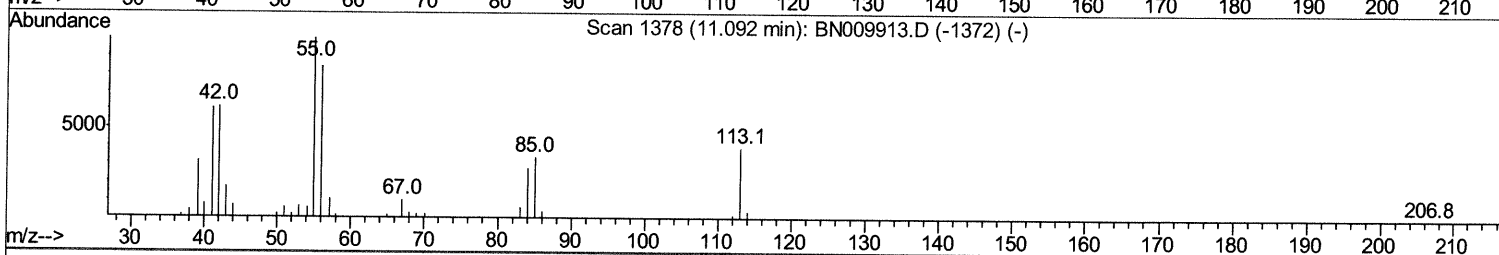
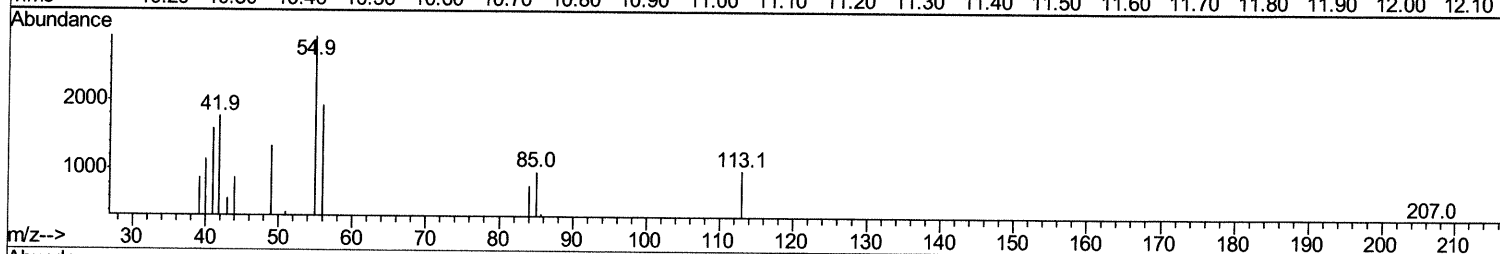
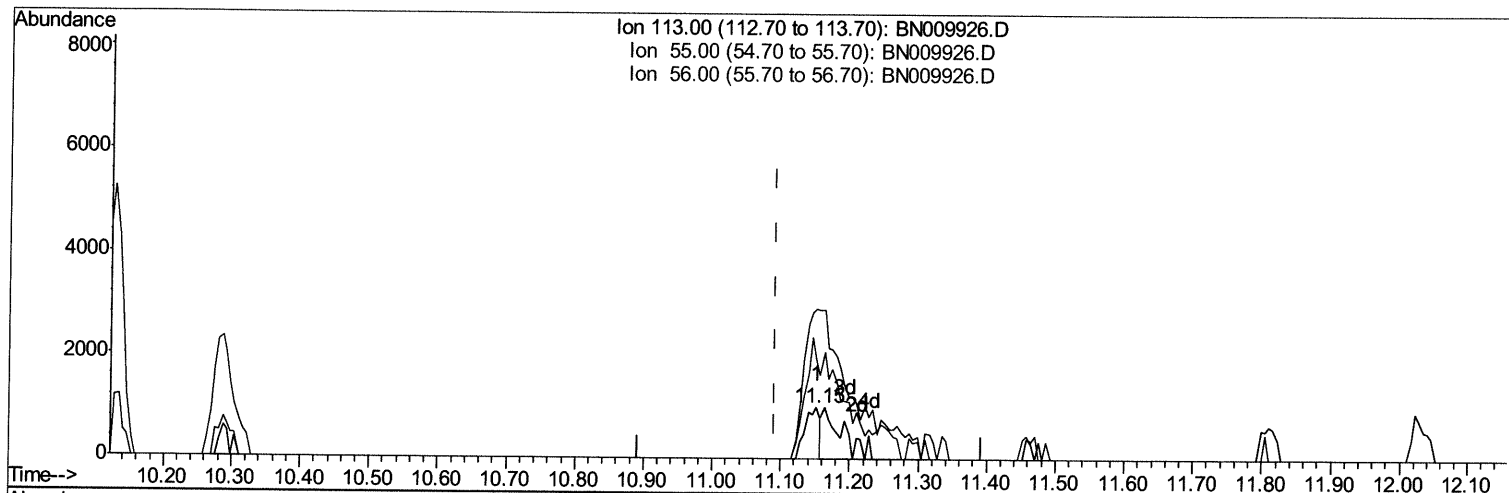
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 Operator : CG/JU
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TIC: BN009926.D

(32) Caprolactam

11.151min (+0.059) 0.70ng/ul

response 1549

Ion	Exp%	Act%
113.00	100	100
55.00	261.40	291.48
56.00	202.00	193.49
0.00	0.00	0.00

Quantitation Report (Qedit)

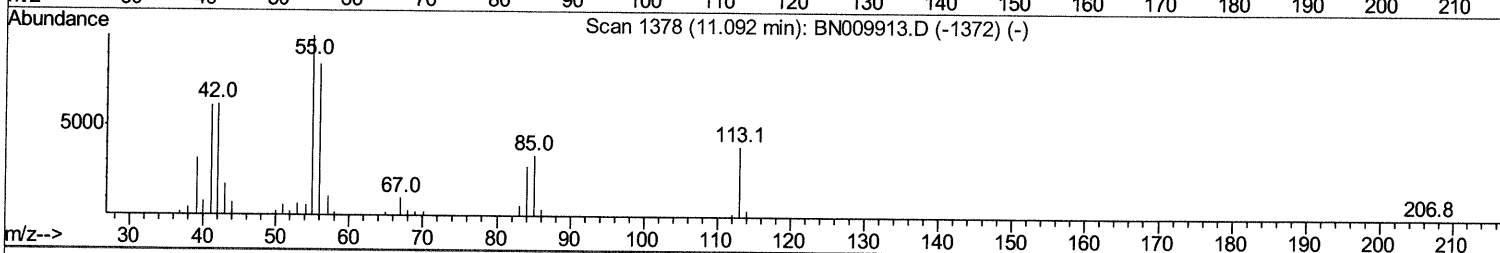
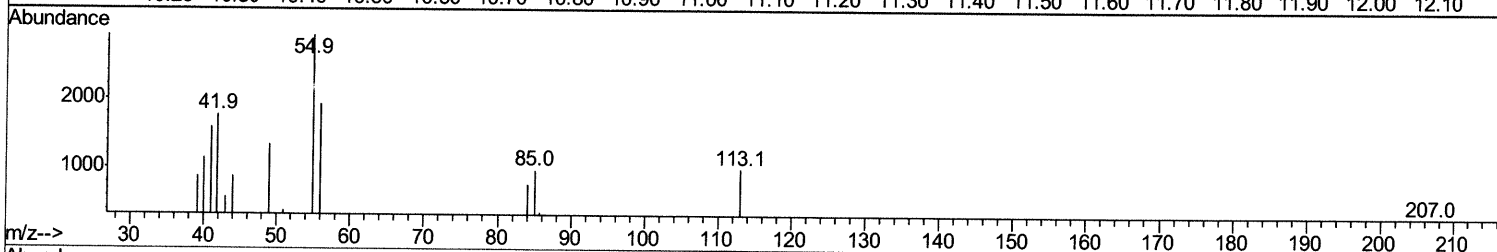
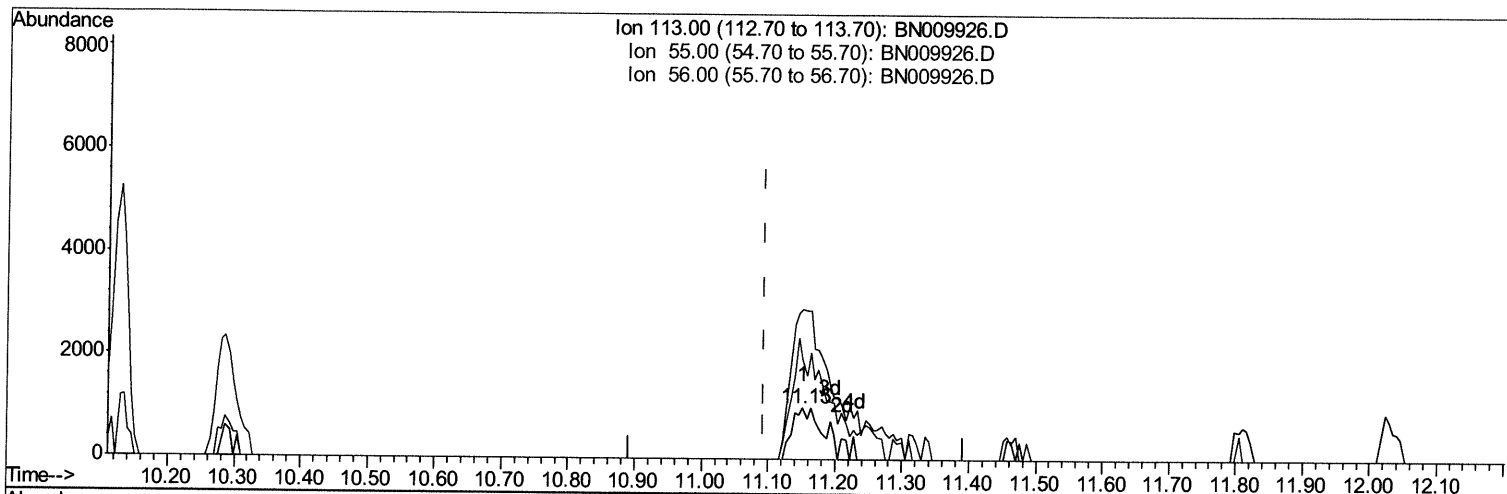
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(32) Caprolactam

11.151min (+0.059) 1.43ng/ul m JU02/27/20

response 3141

Ion	Exp%	Act%
113.00	100	100
55.00	261.40	291.48
56.00	202.00	193.49
0.00	0.00	0.00

Quantitation Report (Qedit)

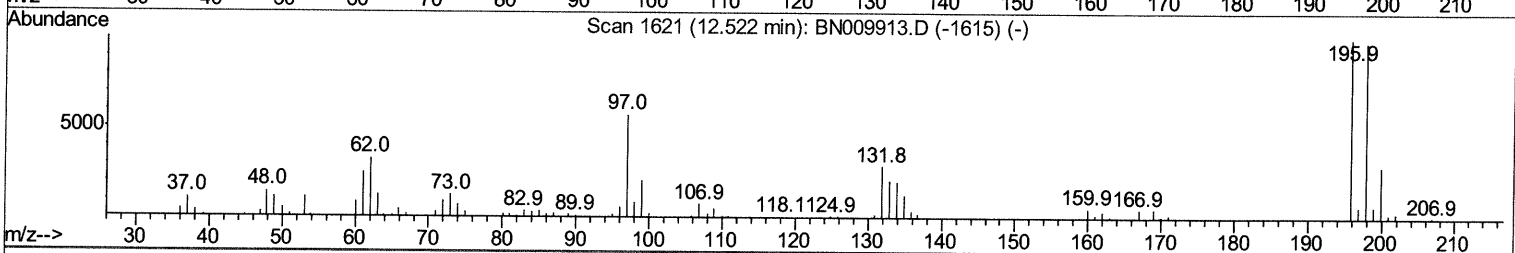
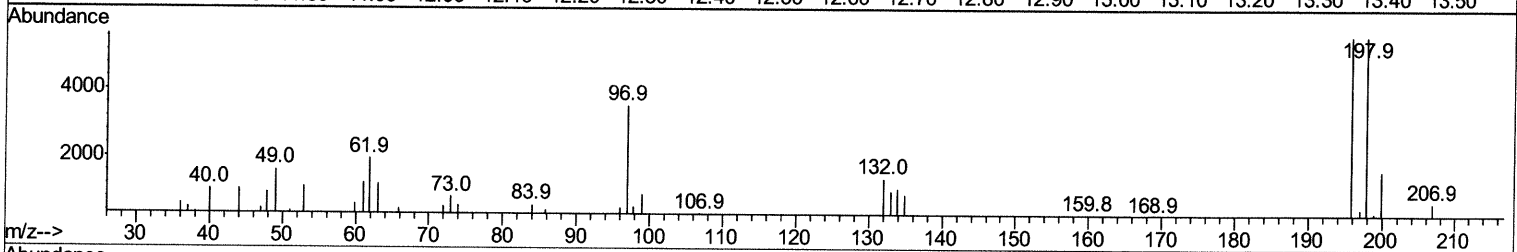
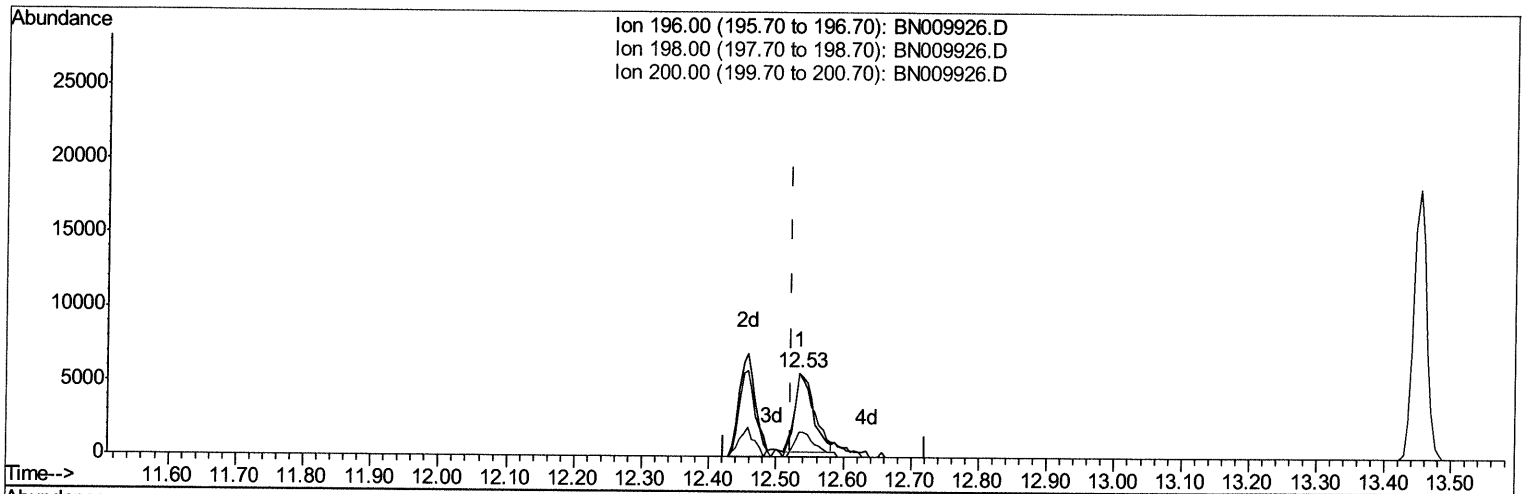
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(40) 2,4,5-Trichlorophenol

12.534min (+0.012) 1.91ng/ul

response 10593

Ion	Exp%	Act%
196.00	100	100
198.00	93.80	100.27
200.00	30.30	28.71
0.00	0.00	0.00

Quantitation Report (Qedit)

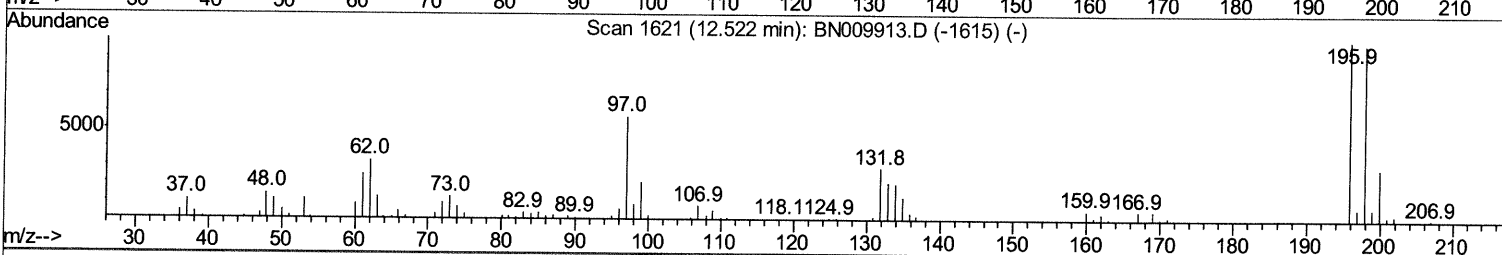
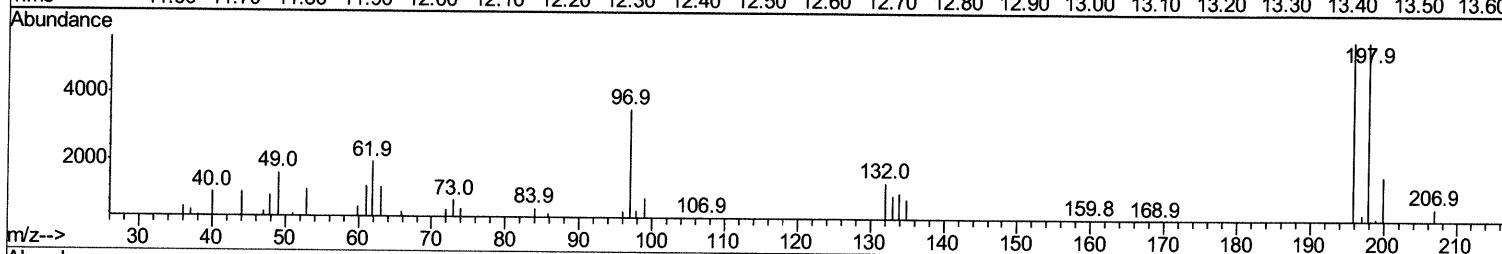
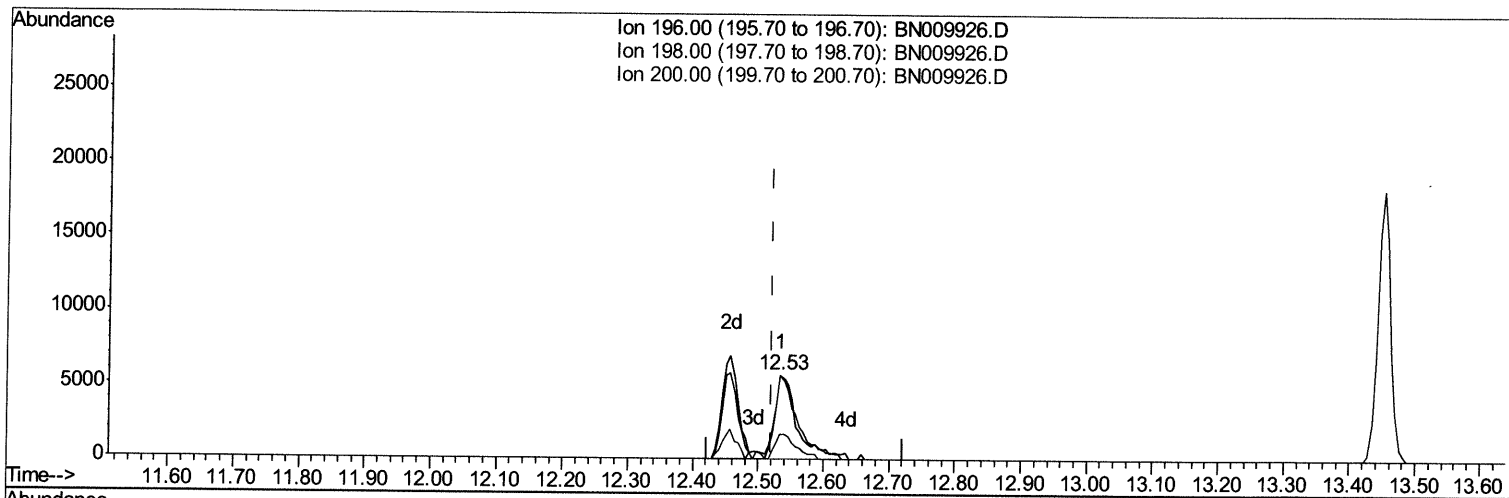
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(40) 2,4,5-Trichlorophenol

12.534min (+0.012) 2.44ng/ul m JU 02/27/20

response 13542

Ion	Exp%	Act%
196.00	100	100
198.00	93.80	100.27
200.00	30.30	28.71
0.00	0.00	0.00

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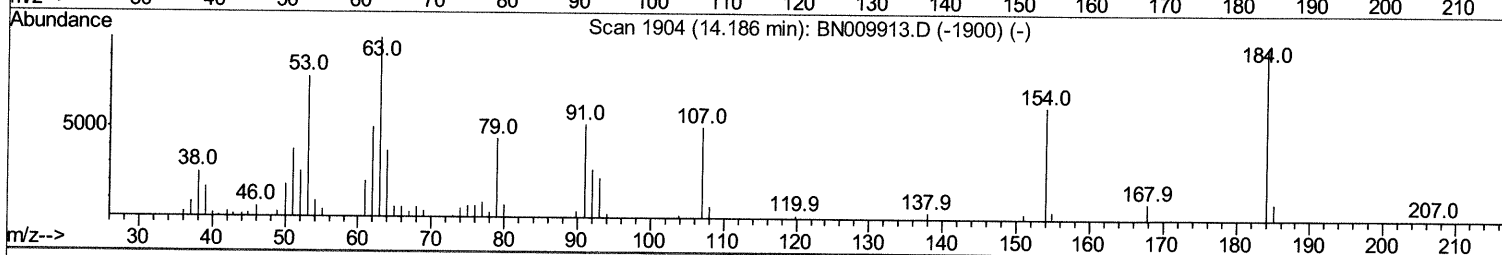
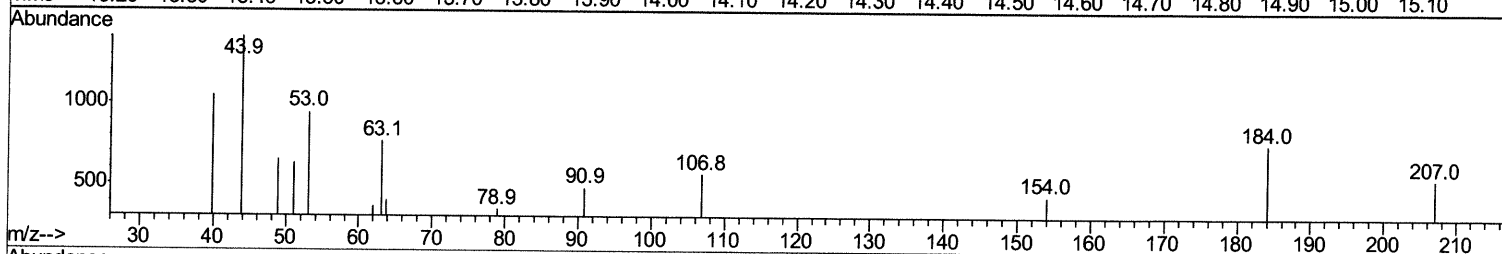
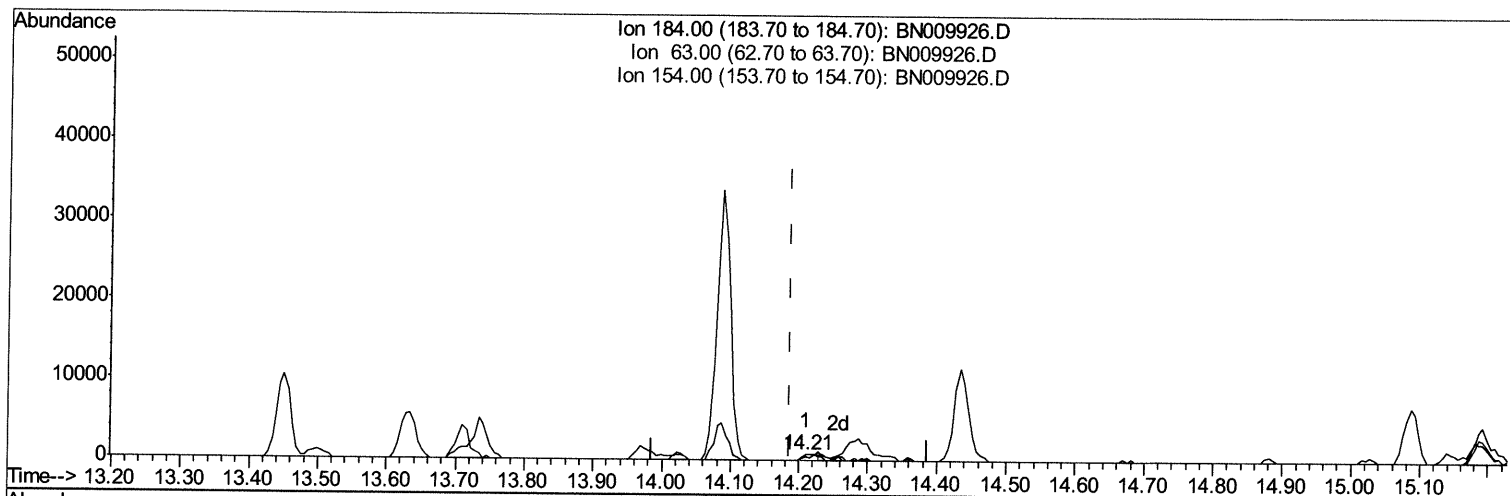
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TIC: BN009926.D

(51) 2,4-Dinitrophenol

14.210min (+0.024) 0.47ng/ul

response 1126

Ion	Exp%	Act%
184.00	100	100
63.00	103.80	100.92
154.00	68.60	57.44
0.00	0.00	0.00

Quantitation Report (Qedit)

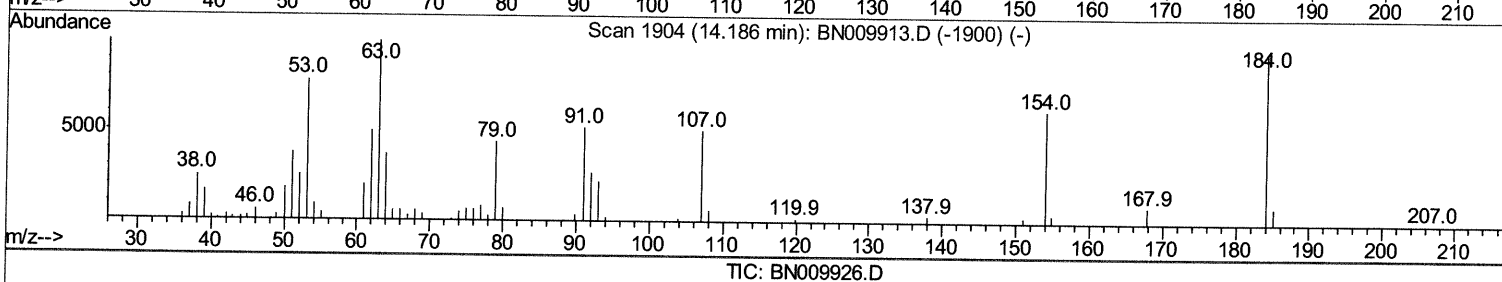
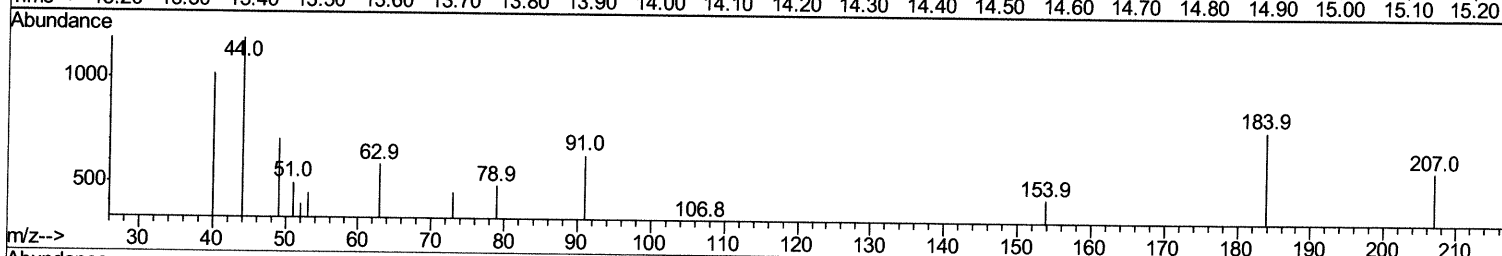
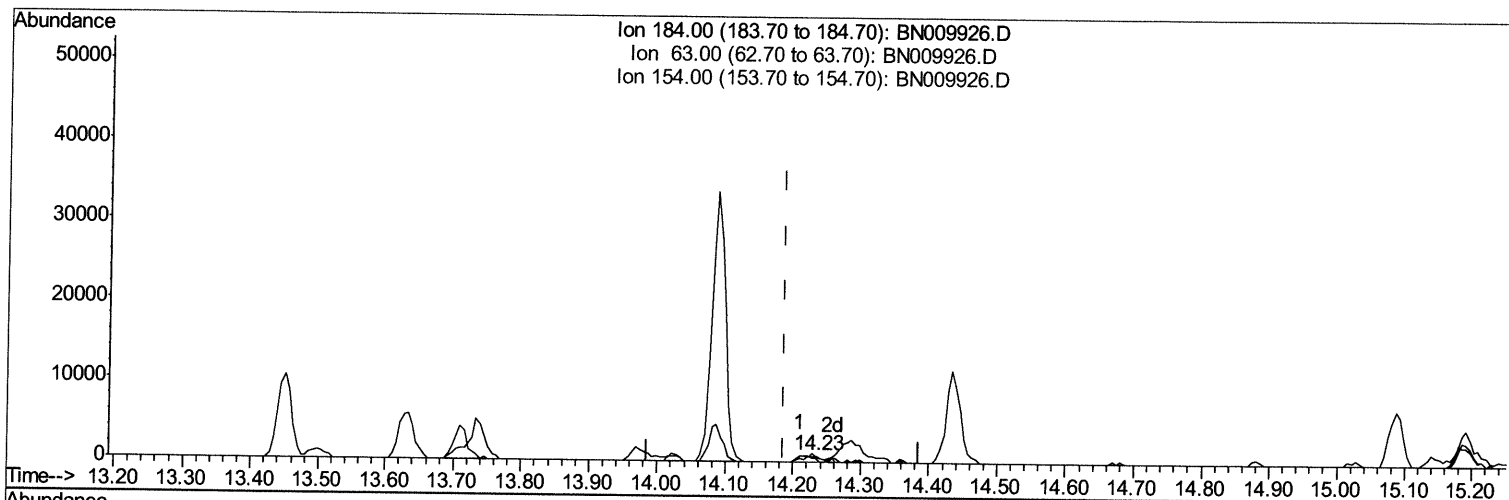
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TIC: BN009926.D

(51) 2,4-Dinitrophenol

14.234min (+0.047) 0.70ng/ul m JU02/27/20

response 1694

Ion	Exp%	Act%
184.00	100	100
63.00	103.80	75.58#
154.00	68.60	56.46
0.00	0.00	0.00

Quantitation Report (Qedit)

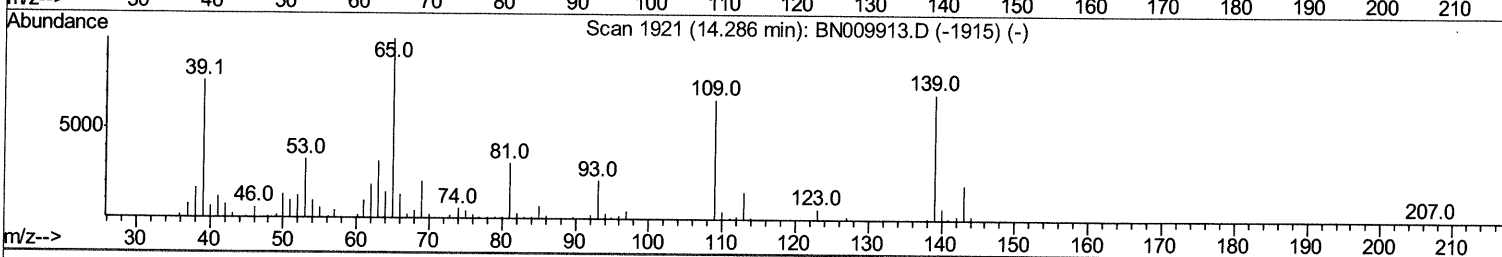
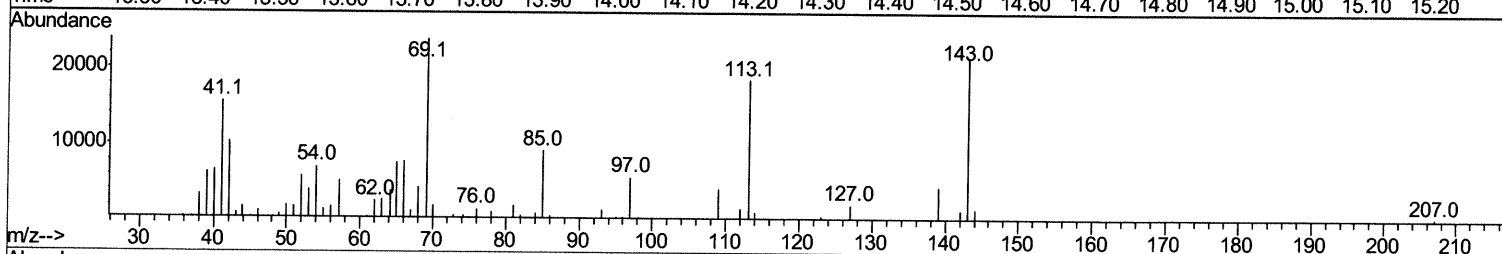
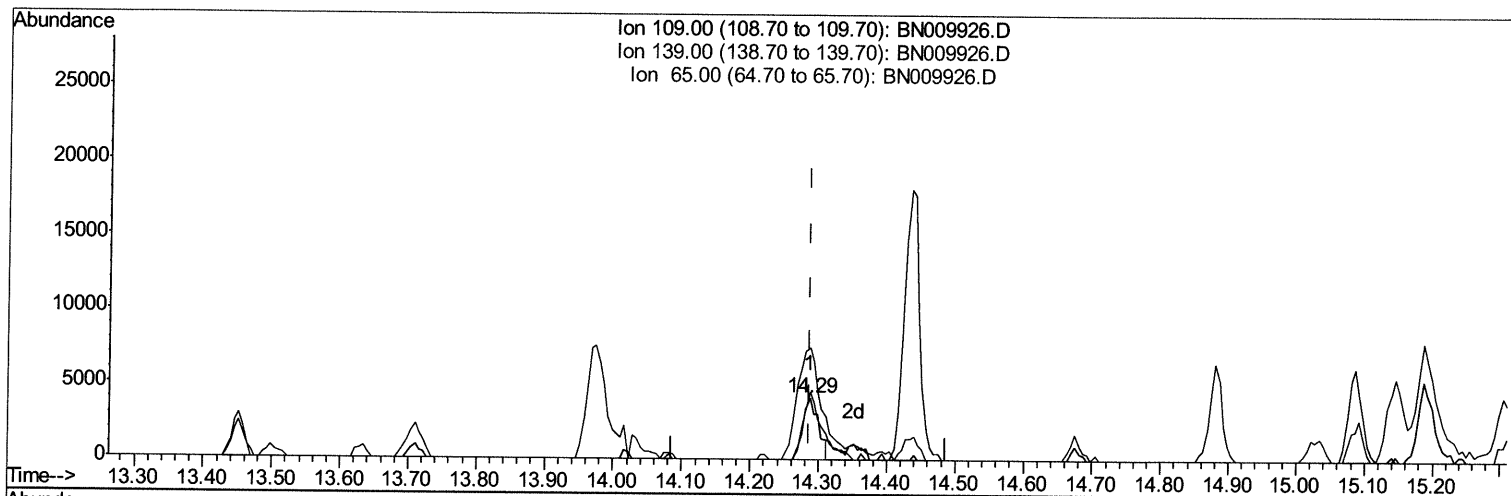
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TIC: BN009926.D

(53) 4-Nitrophenol

14.287min (+0.000) 1.96ng/ul

response 6629

Ion	Exp%	Act%
109.00	100	100
139.00	120.40	109.72
65.00	162.40	181.14
0.00	0.00	0.00

Quantitation Report (Qedit)

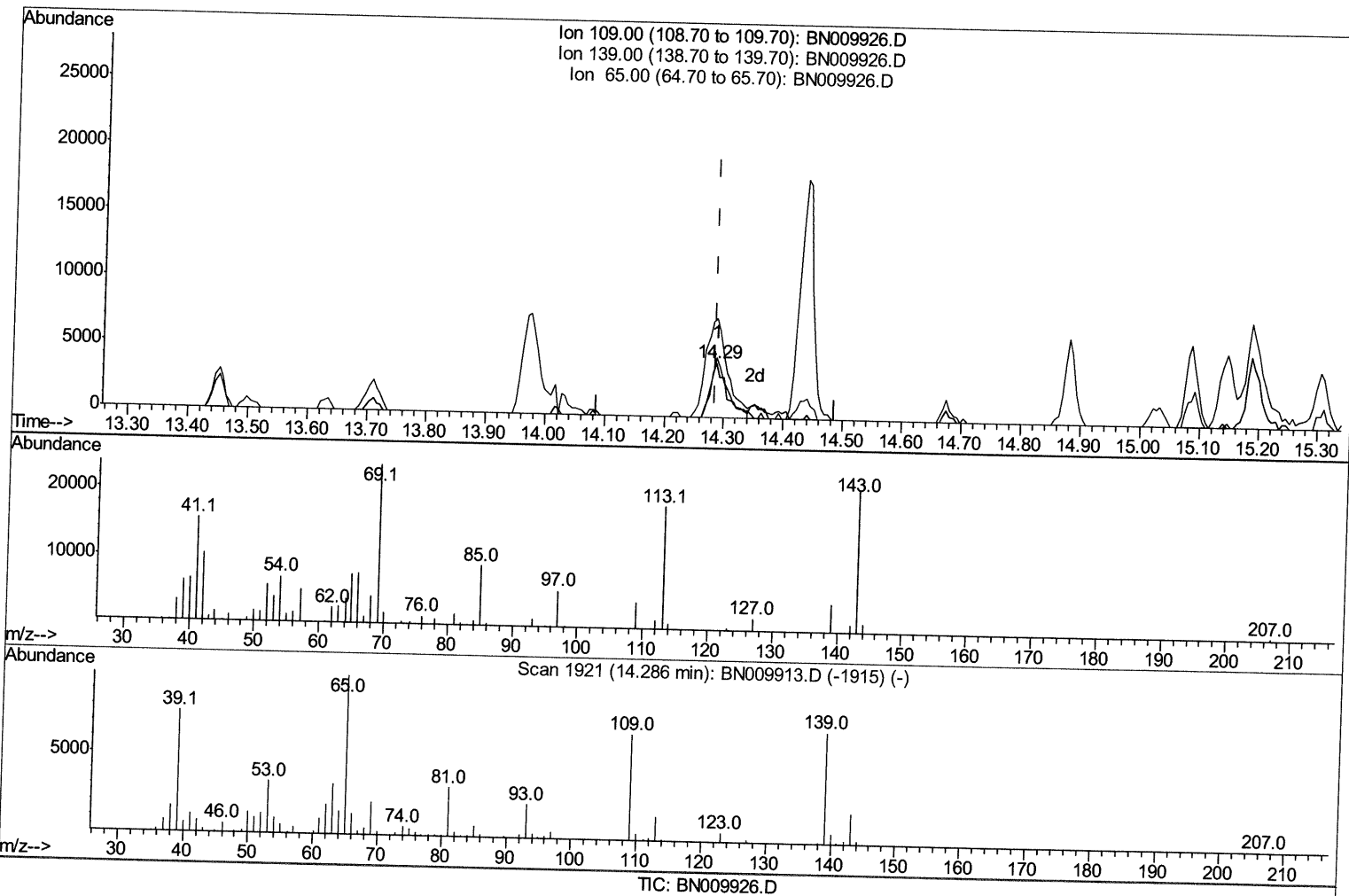
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Manual Integrations
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(53) 4-Nitrophenol

14.287min (+0.000) 2.33ng/ul m JU02/2/20

response 7888

Ion	Exp%	Act%
109.00	100	100
139.00	120.40	109.72
65.00	162.40	181.14
0.00	0.00	0.00

Quantitation Report (Qedit)

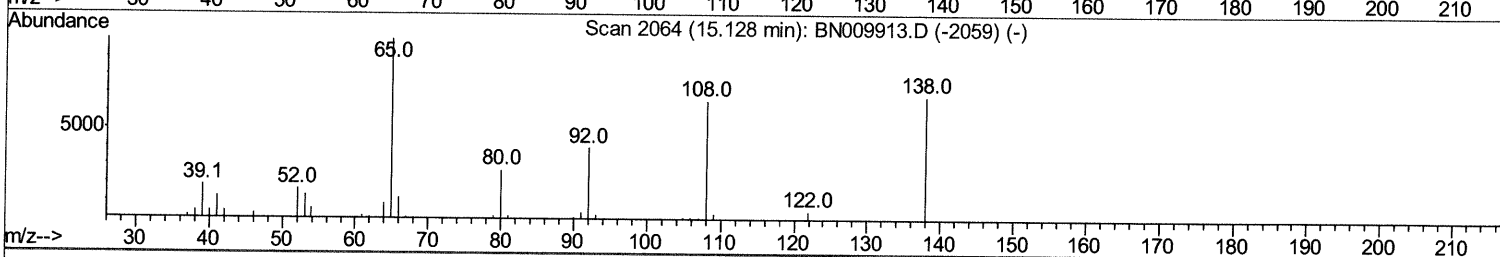
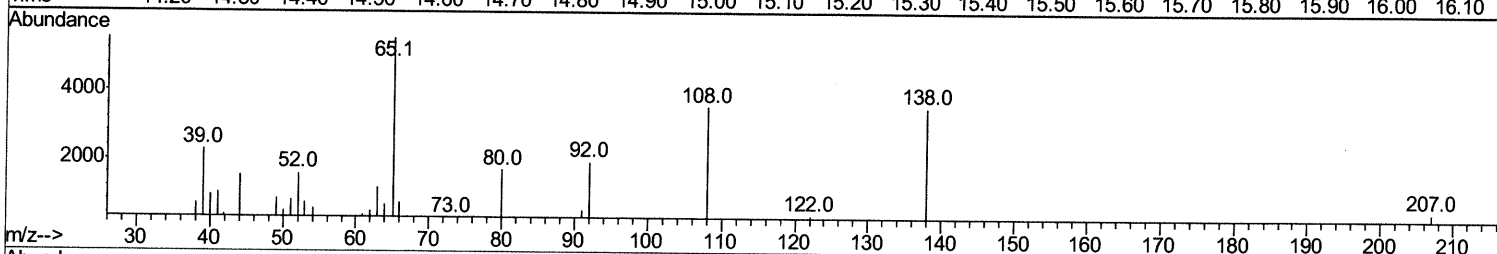
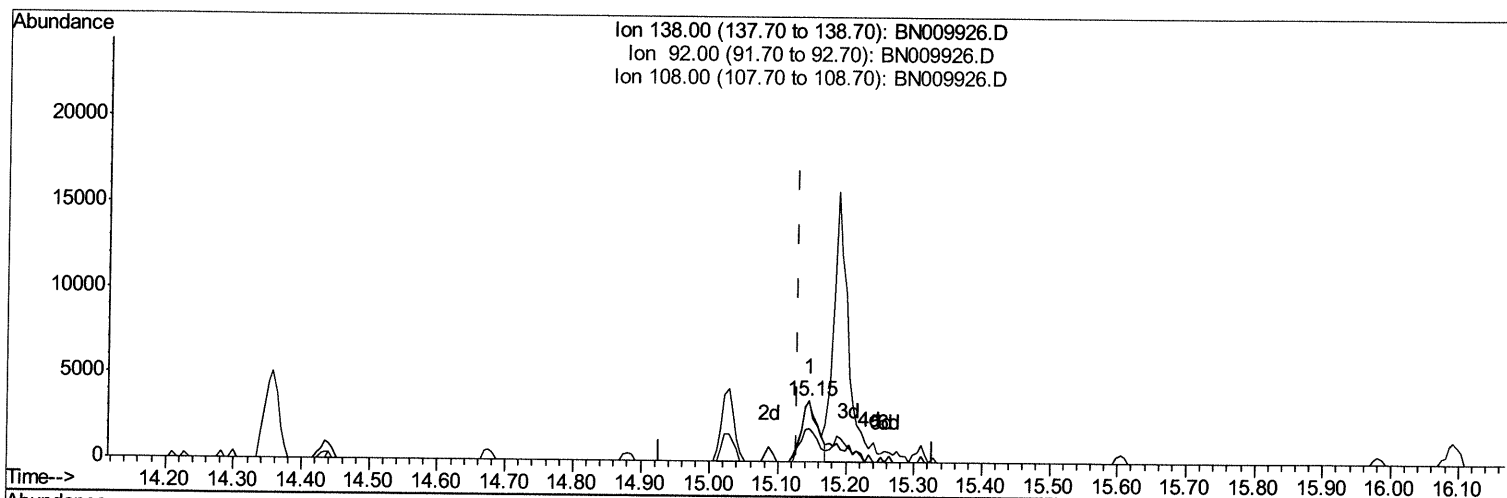
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TIC: BN009926.D

(61) 4-Nitroaniline

15.145min (+0.018) 1.29ng/ul

response 6079

Ion	Exp%	Act%
138.00	100	100
92.00	59.70	54.47
108.00	90.40	100.45
0.00	0.00	0.00

Quantitation Report (Qedit)

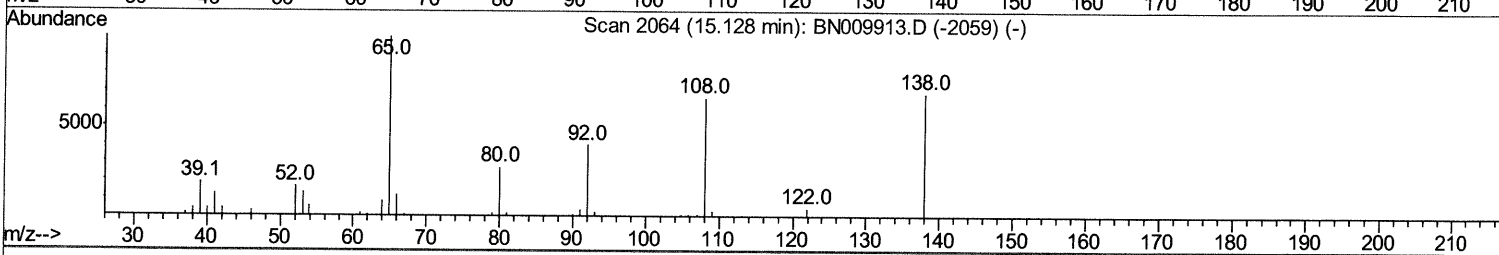
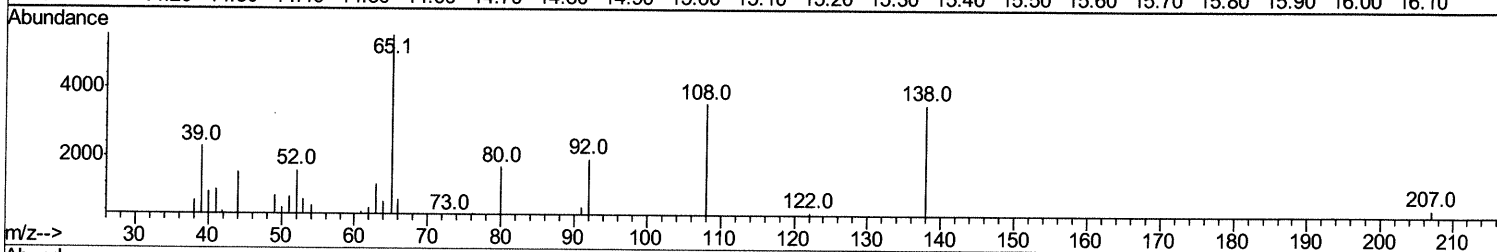
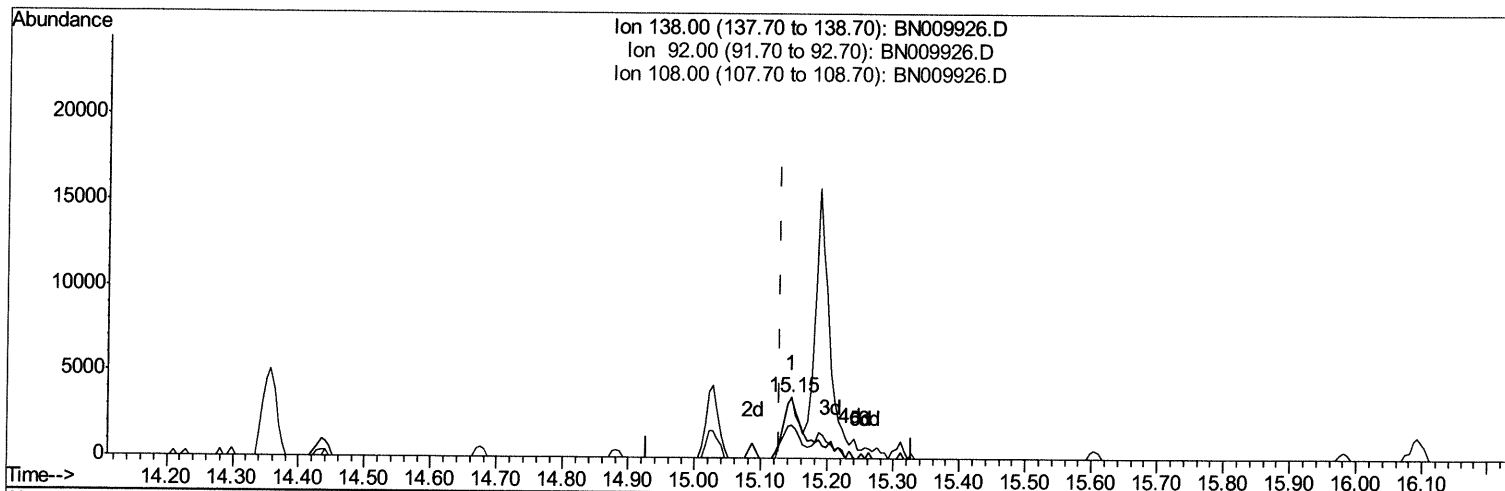
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(61) 4-Nitroaniline

15.145min (+0.018) 1.80ng/ul m 5402/27/20

response 8502

Ion	Exp%	Act%
138.00	100	100
92.00	59.70	54.47
108.00	90.40	100.45
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	98799	20.00	ng/ul	0.00
18) Naphthalene-d8	10.13	136	422480	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	275193	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	572043	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	555142	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	565171	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	10657	4.44	ng/uL	0.00
5) Phenol-d5	6.59	99	232102	27.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.74	67	171987	29.66	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	183206	28.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	189153	28.30	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	90226	29.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.24	143	101308	29.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	184244	28.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	254902	34.90	ng/ul	0.00
44) Dimethylphthalate-d6	13.45	166	616546	29.99	ng/ul	0.00
47) Acenaphthylene-d8	13.71	160	732691	30.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	78075	20.80	ng/ul	0.00
58) Fluorene-d10	15.03	176	512562	28.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	81131	22.83	ng/ul	0.00
71) Anthracene-d10	16.88	188	779046	29.71	ng/ul	0.00
79) Pyrene-d10	19.19	212	856960	29.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	822134	29.13	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.06	88	2332	0.845	ng/uL#	73
4) Benzaldehyde	6.56	77	18228	3.262	ng/ul	92
6) Phenol	6.61	94	23382	2.596	ng/ul#	75
8) Bis(2-Chloroethyl)ether	6.83	93	20527	2.900	ng/ul	96
10) 2-Chlorophenol	6.96	128	18245	2.738	ng/ul#	88
11) 2-Methylphenol	7.85	108	16473	2.500	ng/ul	91
12) 2,2'-oxybis(1-Chloropropan	7.92	45	56910	3.280	ng/ul	99
14) Acetophenone	8.21	105	30727	2.821	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.19	70	15693	2.757	ng/ul#	87
16) 4-Methylphenol	8.16	108	19150	2.648	ng/ul	86
17) Hexachloroethane	8.43	117	8558	2.823	ng/ul	98
20) Nitrobenzene	8.57	77	27698	3.041	ng/ul	97
21) Isophorone	9.09	82	42644	2.660	ng/ul	98
23) 2-Nitrophenol	9.27	139	10555	2.790	ng/ul	91
24) 2,4-Dimethylphenol	9.35	107	22900	2.788	ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.58	93	26847	2.741	ng/ul#	95
27) 2,4-Dichlorophenol	9.80	162	18430	2.810	ng/ul#	88
28) Naphthalene	10.18	128	66374	2.913	ng/ul	99
30) 4-Chloroaniline	10.30	127	22376	2.992	ng/ul	99
31) Hexachlorobutadiene	10.46	225	12548	2.861	ng/ul	96
32) Caprolactam	11.15	113	3141m >	1.428	ng/ul >	7002/27/20
33) 4-Chloro-3-methylphenol	11.46	107	18724	2.497	ng/ul	97
34) 2-Methylnaphthalene	11.81	142	44019	2.783	ng/ul	94

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 26 07:56:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.03	142	47693	3.008	ng/uL	97
37) 1,2,4,5-Tetrachlorobenzene	12.19	216	21851	2.679	ng/uL#	94
38) Hexachlorocyclopentadiene	12.16	237	2388	0.677	ng/uL#	73
39) 2,4,6-Trichlorophenol	12.46	196	11811	2.281	ng/uL	88
40) 2,4,5-Trichlorophenol	12.53	196	13542m >	2.438	ng/uL >	JU02/27/20
41) 1,1'-Biphenyl	12.85	154	58221	2.755	ng/uL	99
42) 2-Chloronaphthalene	12.89	162	45455	2.708	ng/uL	96
43) 2-Nitroaniline	13.12	65	12967	2.112	ng/uL	91
45) Dimethylphthalate	13.50	163	62454	2.912	ng/uL	98
46) 2,6-Dinitrotoluene	13.63	165	9005	2.145	ng/uL	100
48) Acenaphthylene	13.74	152	75677	2.888	ng/uL	97
49) 3-Nitroaniline	13.97	138	7506	1.936	ng/uL	93
50) Acenaphthene	14.09	153	53000	2.951	ng/uL	96
51) 2,4-Dinitrophenol	14.23	184	1694mZ	0.703	ng/uLZ	JU02/27/20
53) 4-Nitrophenol	14.29	109	7888mS	2.329	ng/uLS	JU02/27/20
54) Dibenzofuran	14.43	168	73165	2.902	ng/uL	95
55) 2,4-Dinitrotoluene	14.44	165	15348	2.466	ng/uL	97
56) 2,3,4,6-Tetrachlorophenol	14.67	232	11133	2.331	ng/uL#	95
57) Diethylphthalate	14.88	149	60115	2.730	ng/uL	96
59) Fluorene	15.09	166	62159	2.938	ng/uL	94
60) 4-Chlorophenyl-phenylether	15.09	204	30103	2.885	ng/uL	96
61) 4-Nitroaniline	15.15	138	8502m >	1.799	ng/uL >	JU02/27/20
64) 4,6-Dinitro-2-methylphenol	15.20	198	9324	2.436	ng/uL#	45
65) N-Nitrosodiphenylamine	15.30	169	48923	2.882	ng/uL	91
66) 4-Bromophenyl-phenylether	15.99	248	16114	2.815	ng/uL	99
67) Hexachlorobenzene	16.09	284	17448	2.755	ng/uL	97
68) Atrazine	16.28	200	15775	2.450	ng/uL	91
69) Pentachlorophenol	16.46	266	5410	1.478	ng/uL	92
70) Phenanthrene	16.82	178	97072	2.973	ng/uL	99
72) Anthracene	16.92	178	98457	2.950	ng/uL	98
73) 1,2,3,4-Tetrachlorobenzene	12.81	216	25118	3.005	ng/uL	97
74) Pentachlorobenzene	14.36	250	23697	2.940	ng/uL	99
75) Carbazole	17.21	167	67365	2.292	ng/uL	95
76) Di-n-butylphthalate	17.77	149	86497	2.384	ng/uL	98
77) Fluoranthene	18.86	202	101380	2.651	ng/uL	98
80) Perylene	19.22	202	113137	2.827	ng/uL	98
81) Butylbenzylphthalate	20.16	149	34380	2.090	ng/uL	92
82) 3,3'-Dichlorobenzidine	20.94	252	26220	2.166	ng/uL#	93
83) Benzo(a)anthracene	20.99	228	102193	2.679	ng/uL	98
84) Bis(2-ethylhexyl)phthalate	20.95	149	53430	2.127	ng/uL	98
85) Chrysene	21.04	228	102198	2.721	ng/uL	98
87) Di-n-octyl phthalate	21.79	149	89698	2.097	ng/uL	100
88) Benzo(b)fluoranthene	22.49	252	98365	2.684	ng/uL	96
89) Benzo(k)fluoranthene	22.53	252	103916m >	2.995	ng/uL >	JU02/27/20
91) Benzo(a)pyrene	23.02	252	98682	2.994	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	25.14	276	100220	2.561	ng/uL	95
93) Dibenzo(a,h)anthracene	25.16	278	85492	2.554	ng/uL	99
94) Benzo(a,h,i)perylene	25.77	276	86454	2.635	ng/uL	99

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022620\
 Data File : BN009926.D
 Acq On : 26 Feb 2020 13:18
 Operator : CG/JU
 Sample : K5695-04
 Misc : ME-SOIL-MDL-04
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-04

Manual Integrations
 APPROVED

mohammad
 2/27/2020 4:57:05 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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