

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022120\
Quantitation Report (LSC Reviewed)

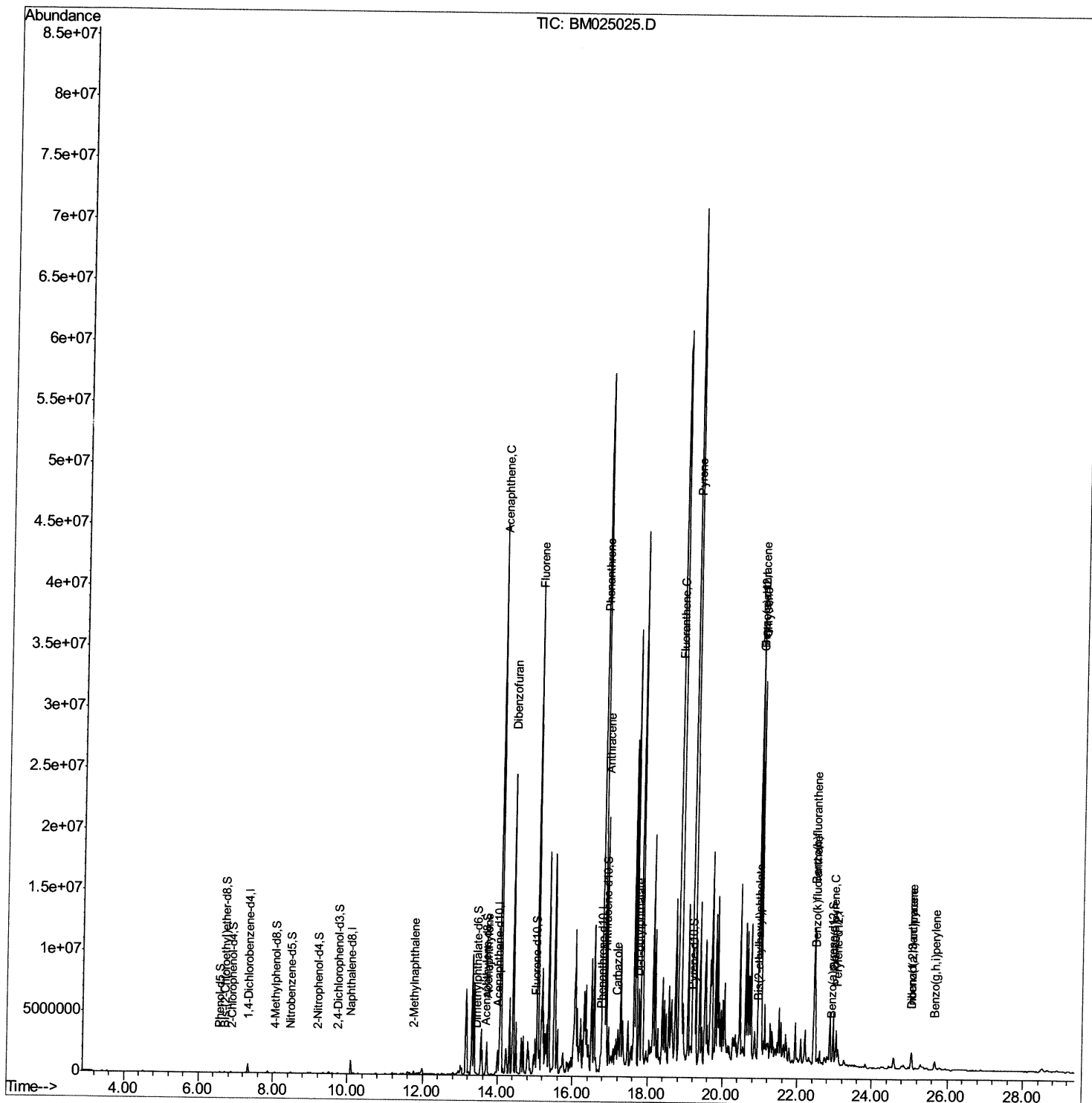
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 10:51:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

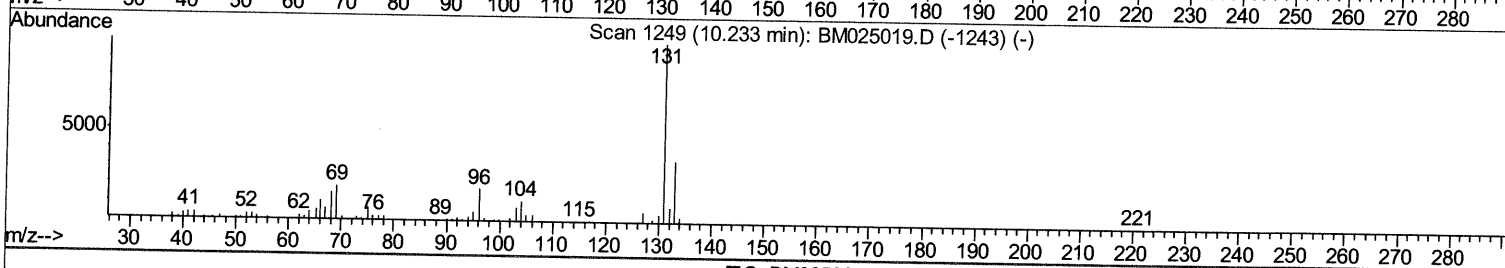
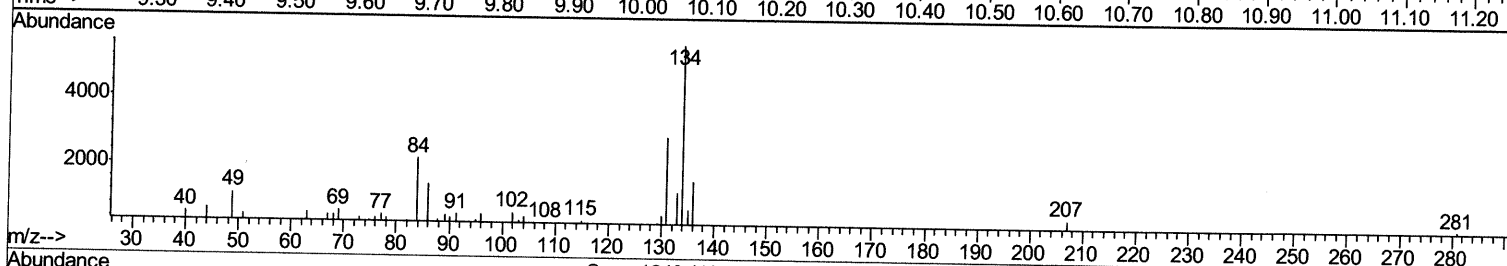
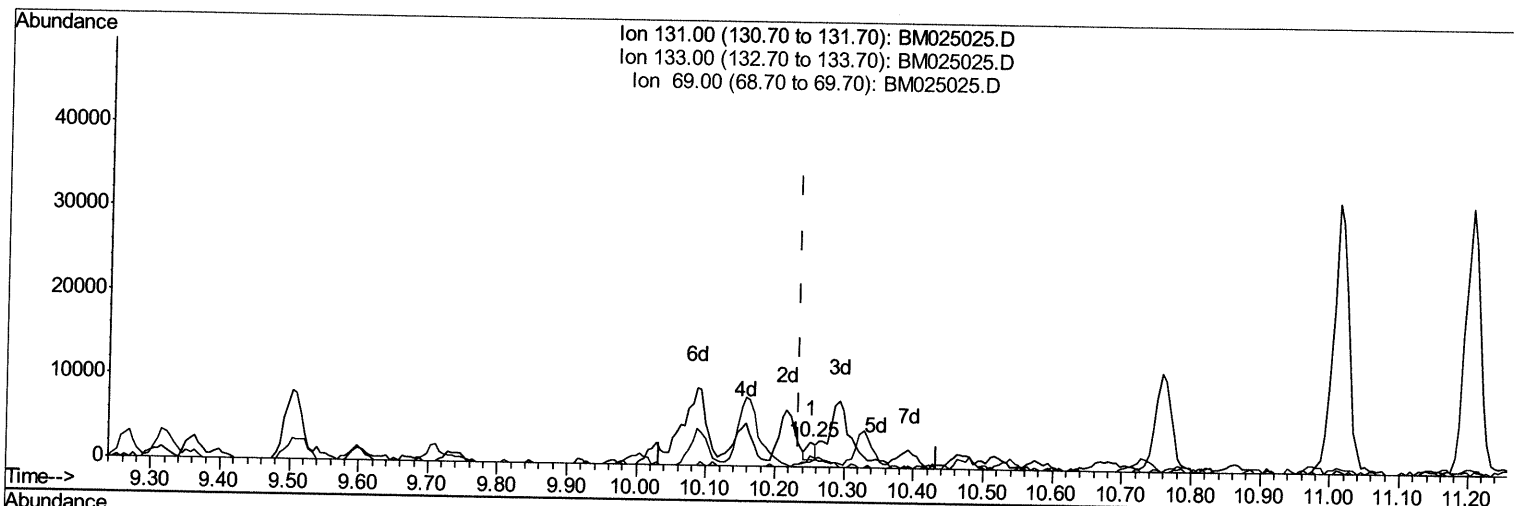
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



TIC: BM025025.D

(29) 4-Chloroaniline-d4 (S)

10.251min (+0.018) 0.12ng/ul

response 1900

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	43.62#
69.00	16.20	22.36#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

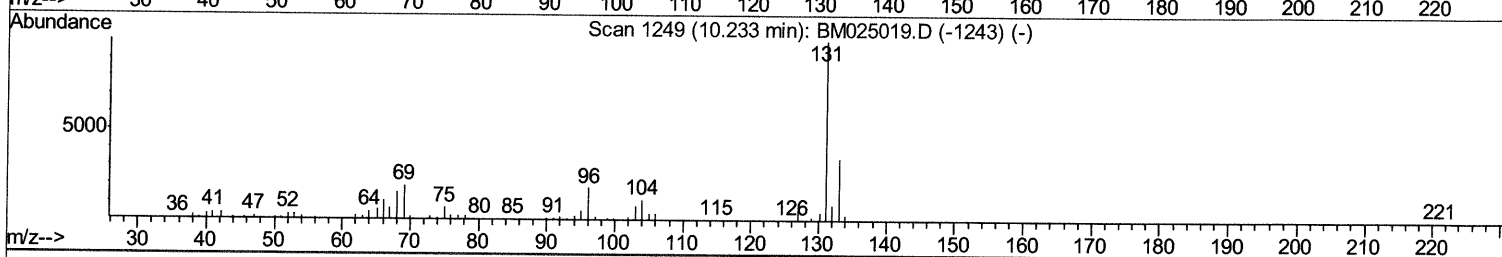
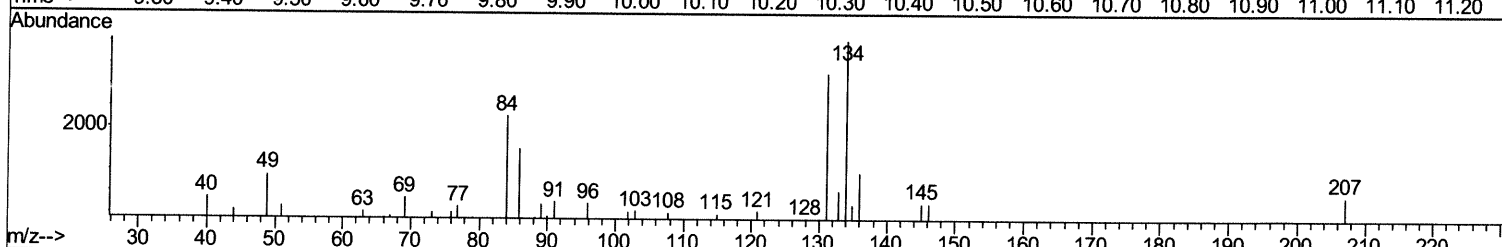
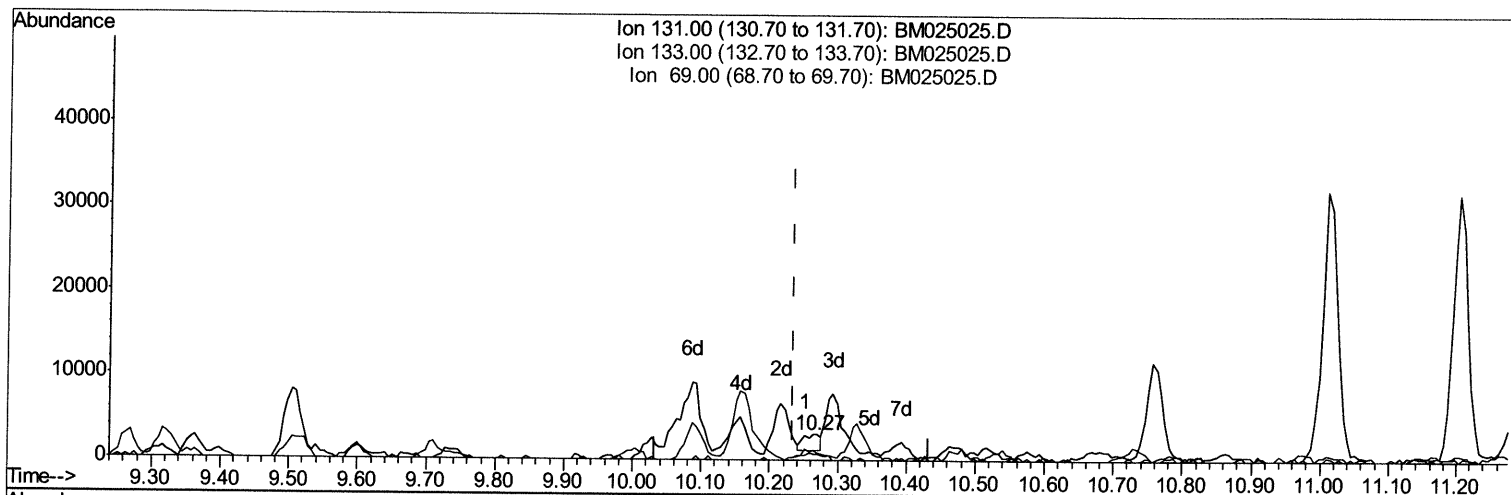
Data File : BM025025.D
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Instrument :
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ClientSampled :
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Manual Integrations
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mohammad
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Quant Time: Feb 24 06:02:53 2020
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TIC: BM025025.D

(29) 4-Chloroaniline-d4 (S)

10.269min (+0.036) 0.23ng/ul m JU 02/25/20

response 3473

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	27.50#
69.00	16.20	22.79#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

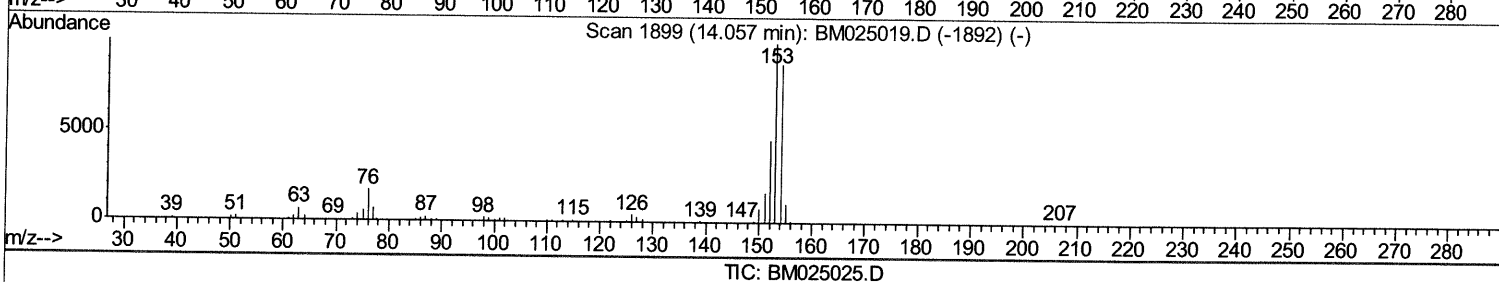
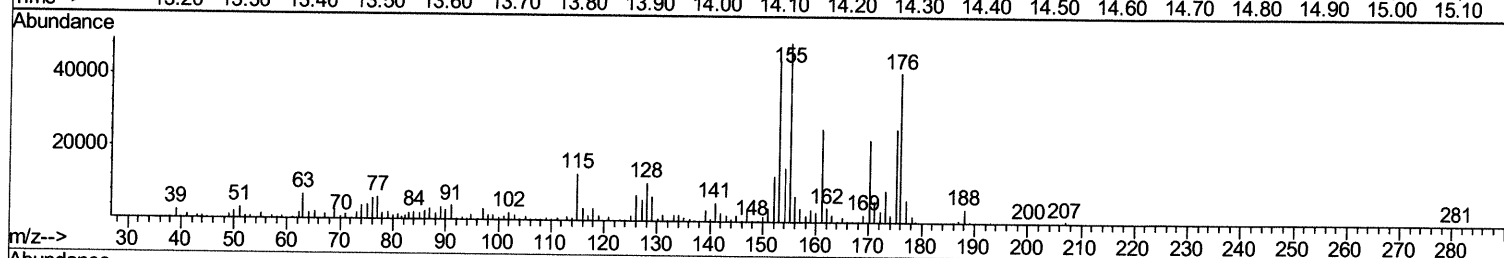
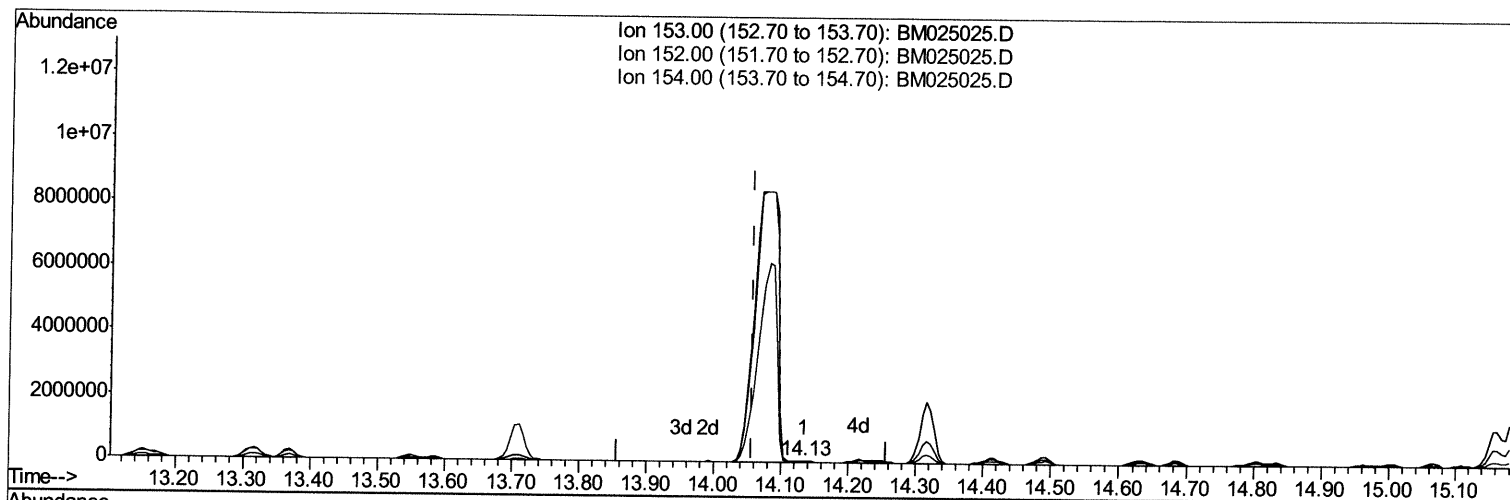
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(50) Acenaphthene (C)

14.133min (+0.077) 1.55ng/ul

response 63838

Ion	Exp%	Act%
153.00	100	100
152.00	46.60	28.31#
154.00	92.60	33.85#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

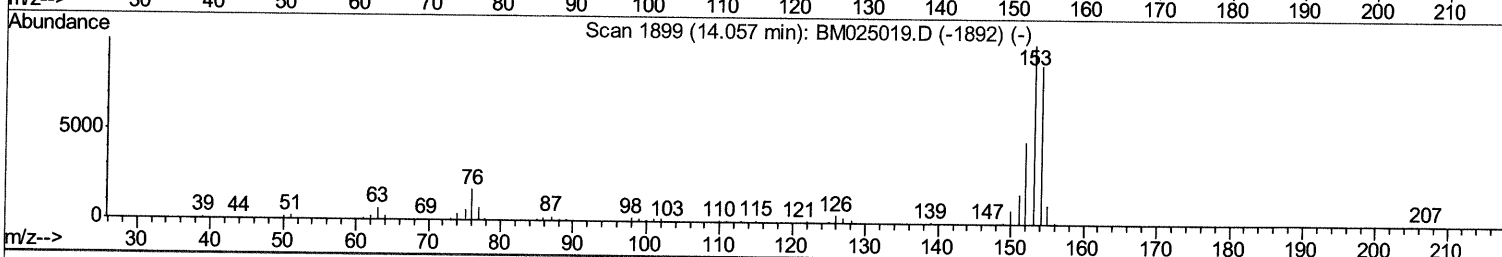
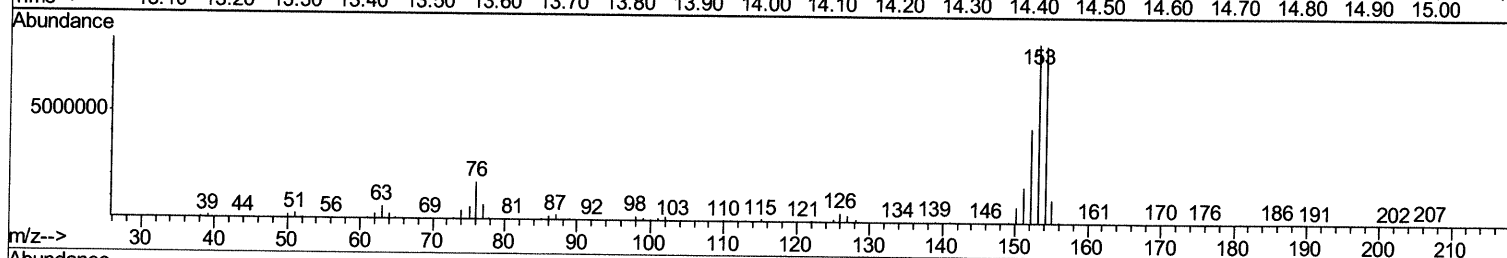
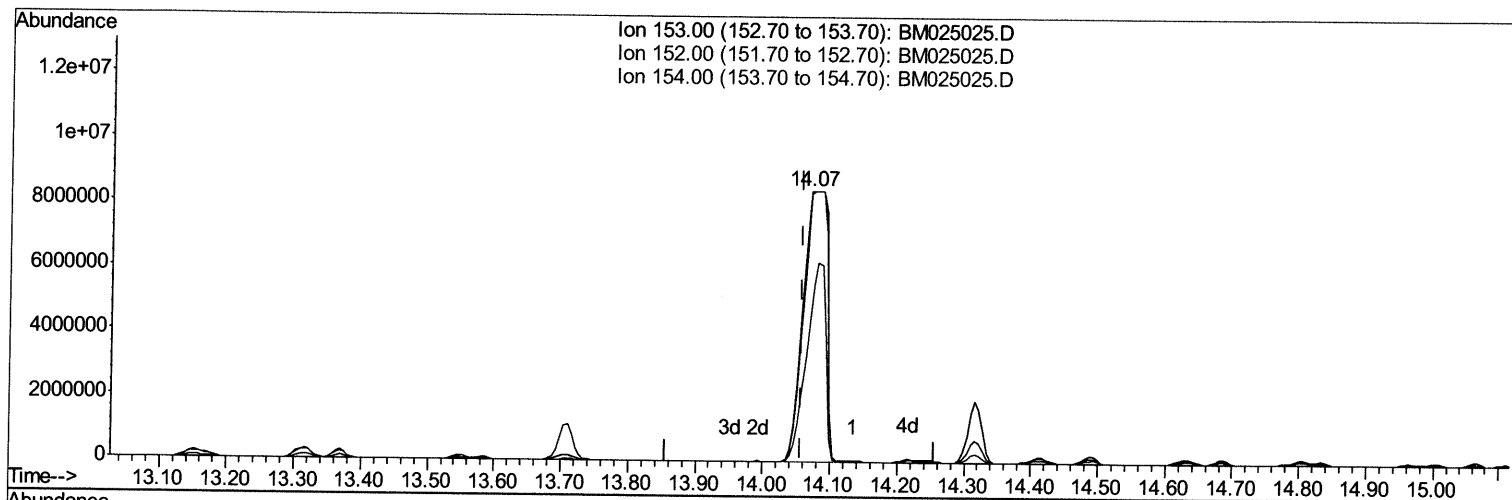
Data File : BM025025.D
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ALS Vial : 37 Sample Multiplier: 1

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TIC: BM025025.D

(50) Acenaphthene (C)

14.069min (+0.012) 502.68ng/ul m JU 02/25/20

response 20686445

Ion	Exp%	Act%
153.00	100	100
152.00	46.60	52.58
154.00	92.60	98.91
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

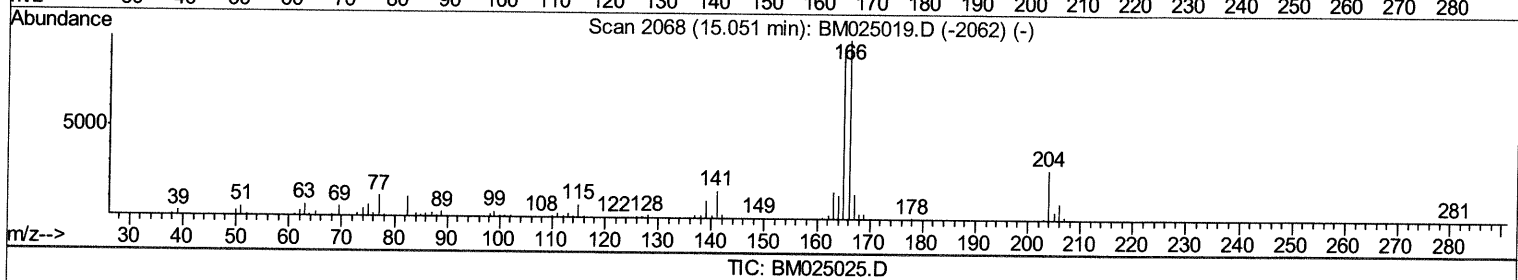
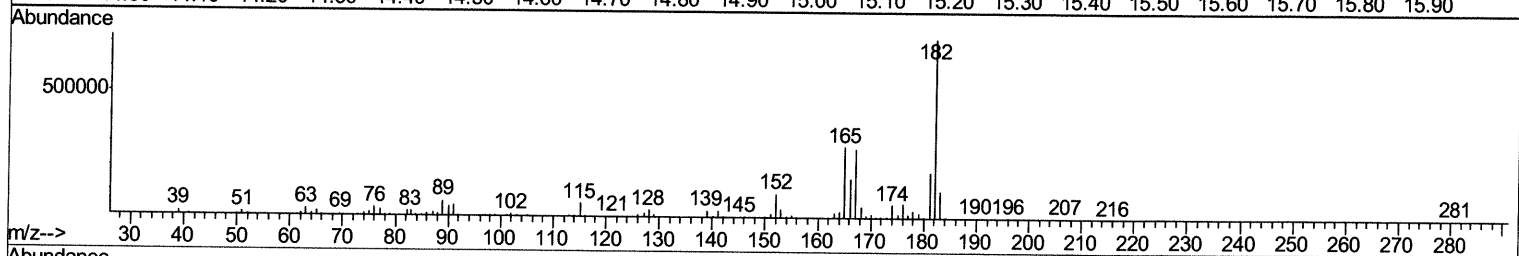
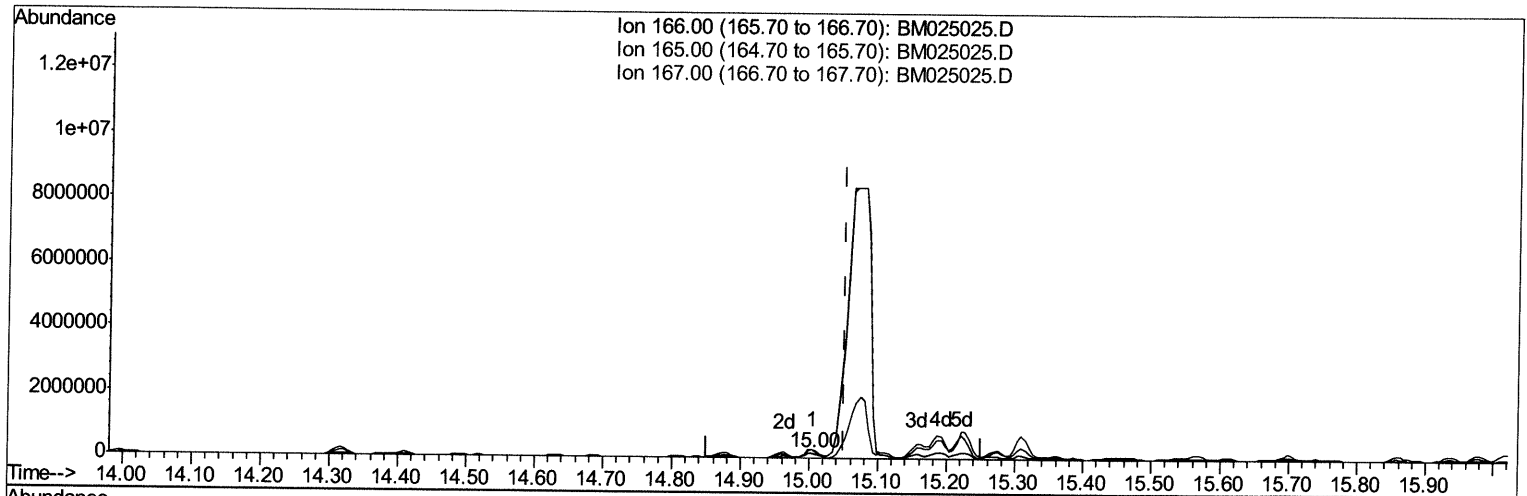
Data File : BM025025.D
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Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
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TIC: BM025025.D

(59) Fluorene

15.004min (-0.047) 3.95ng/ul

response 199800

Ion	Exp%	Act%
166.00	100	100
165.00	94.80	181.12#
167.00	13.30	175.86#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

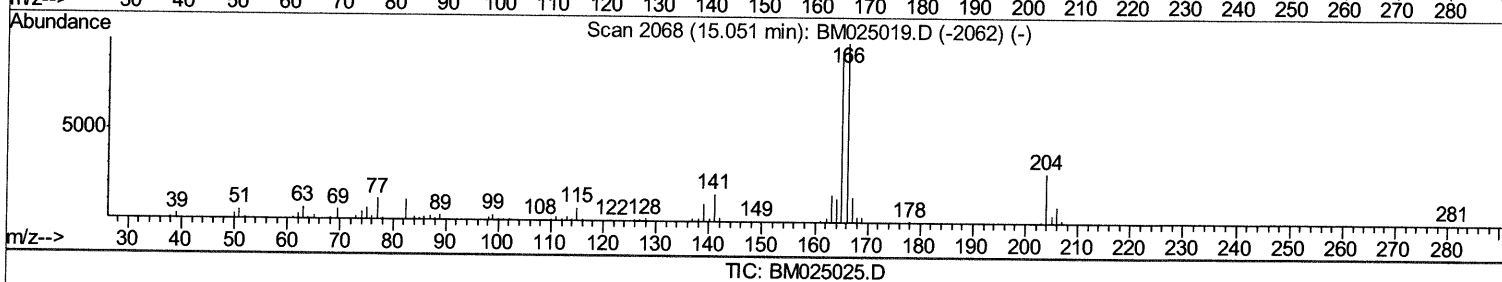
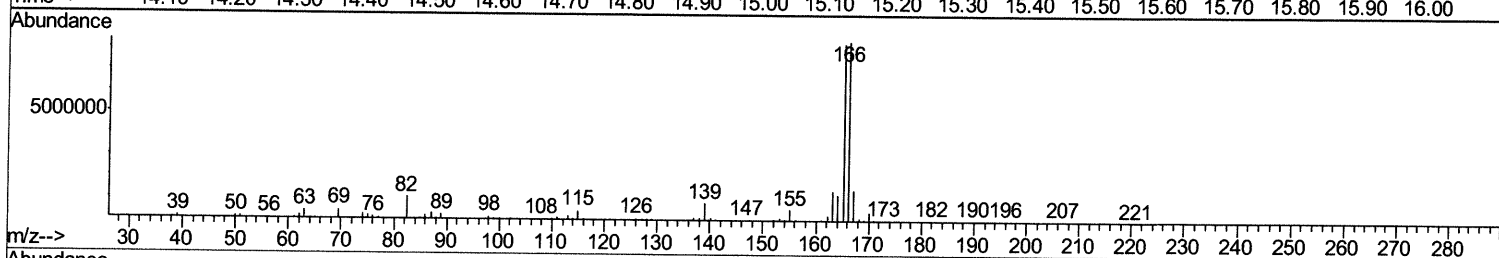
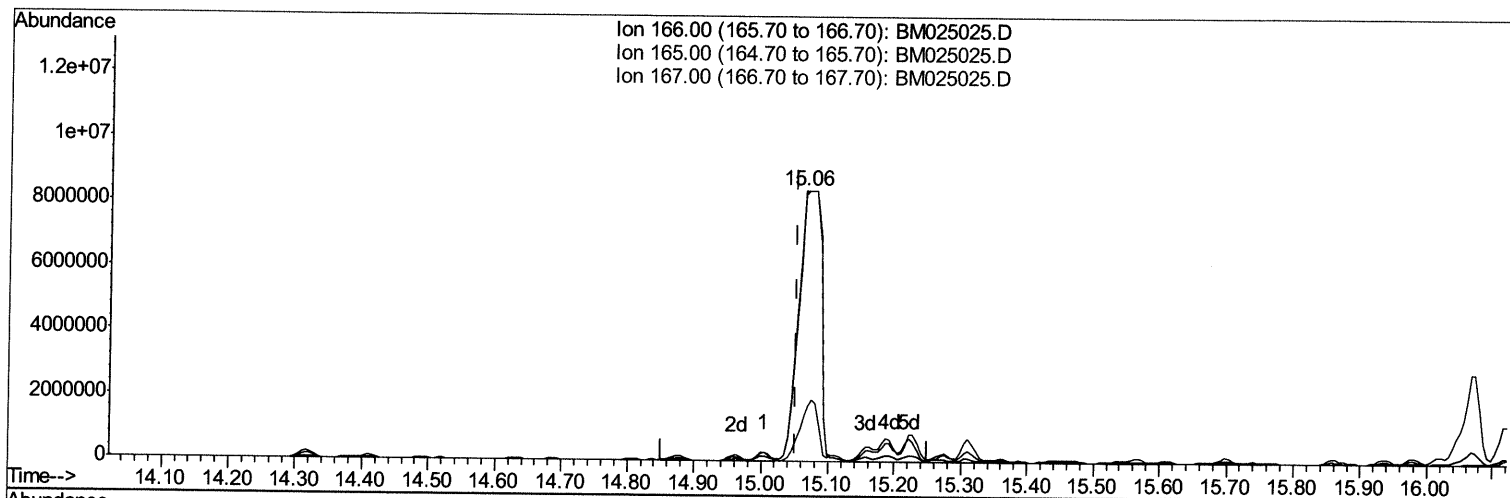
Data File : BM025025.D
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Sample : L1507-22
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
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(59) Fluorene

15.063min (+0.012) 384.88ng/ul m JU 02/25/20

response 19458367

Ion	Exp%	Act%
166.00	100	100
165.00	94.80	98.82
167.00	13.30	16.97#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

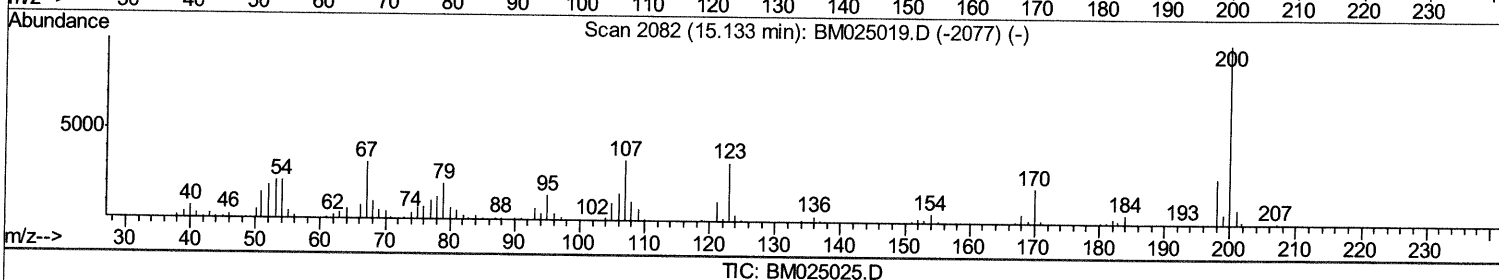
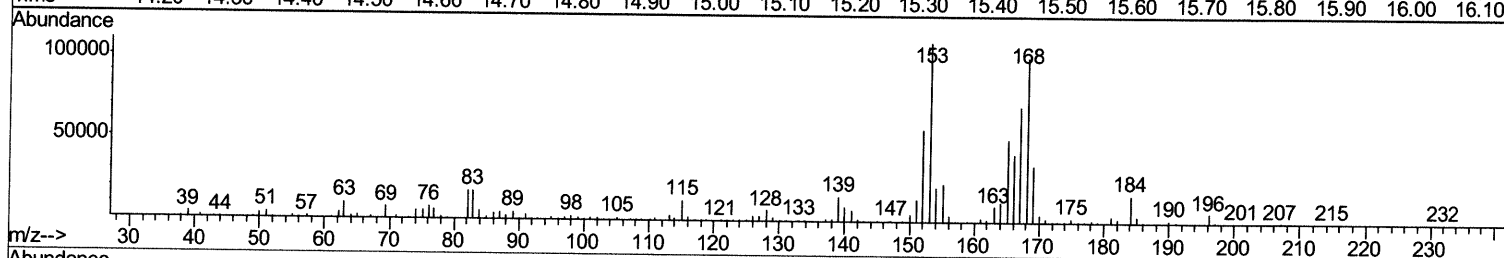
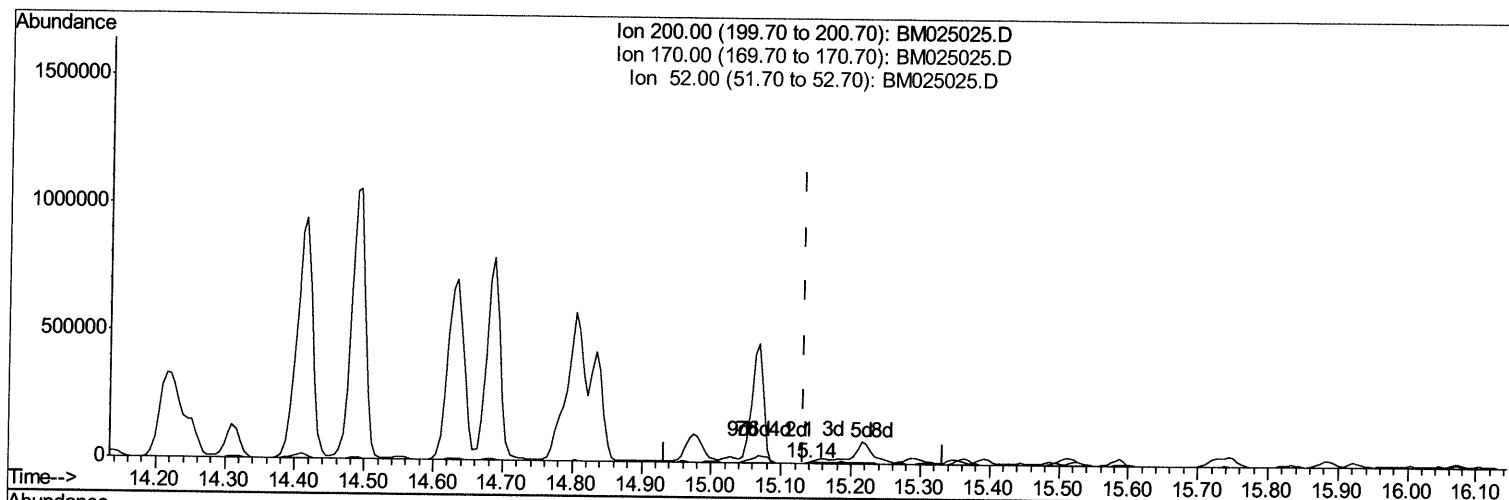
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
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Manual Integrations
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TIC: BM025025.D

(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.139min (+0.006) 0.02ng/ul

response 184

Ion	Exp%	Act%
200.00	100	100
170.00	18.90	657.16#
52.00	26.80	175.25#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

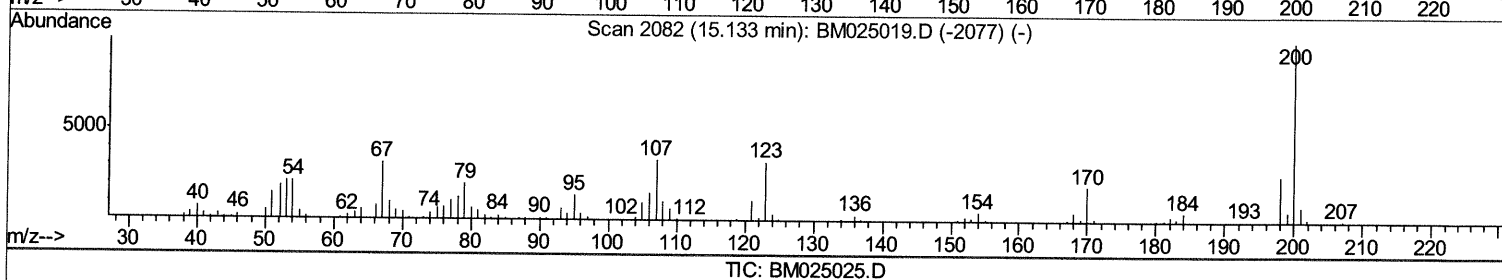
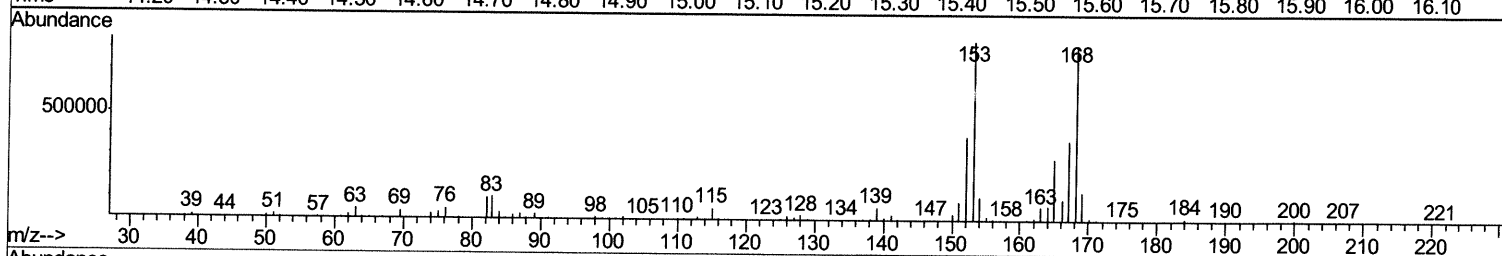
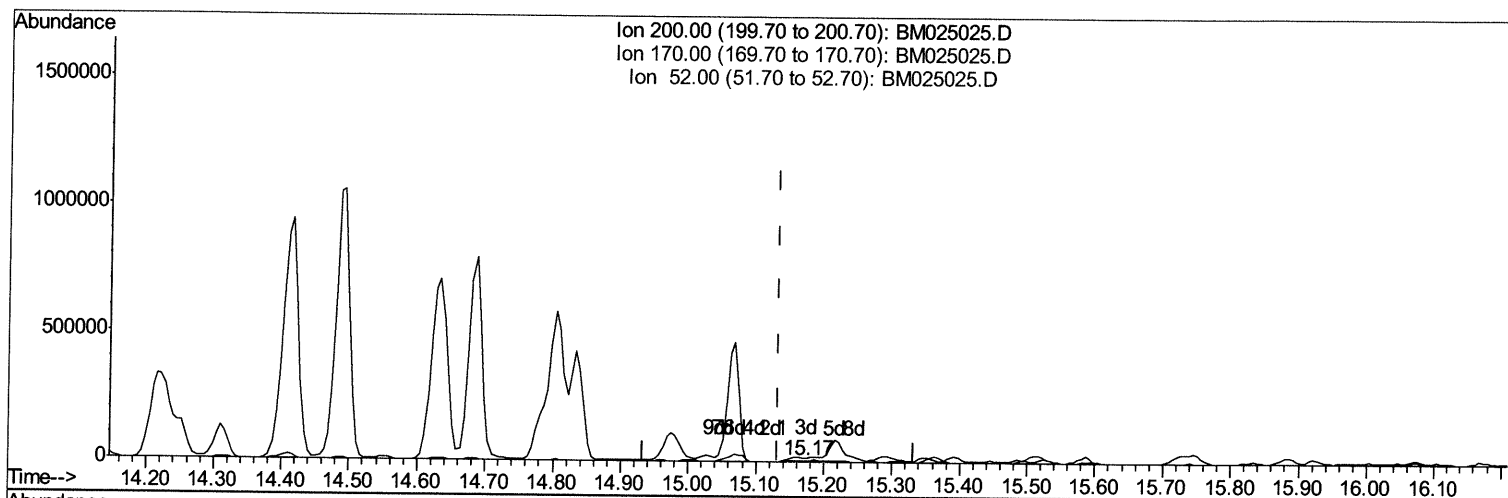
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.175min (+0.041) 0.73ng/ul m JU 02/25/20

response 7285

Ion	Exp%	Act%
200.00	100	100
170.00	18.90	277.71#
52.00	26.80	82.20#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

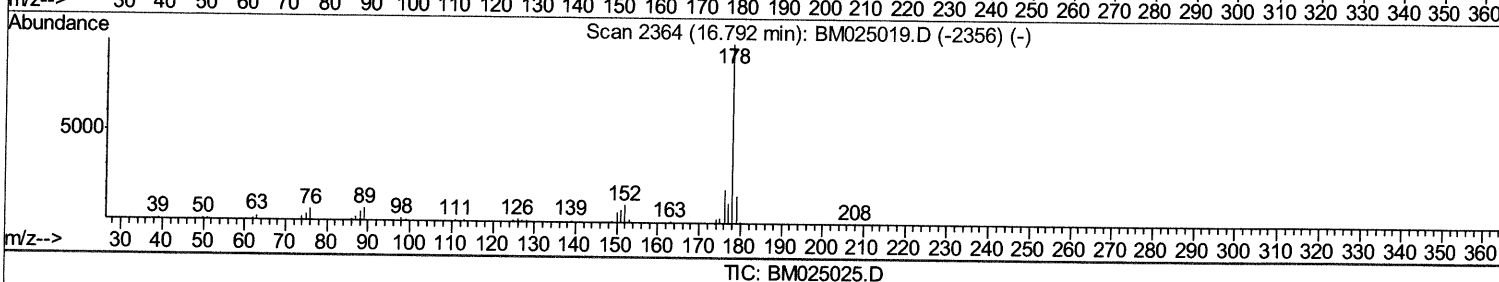
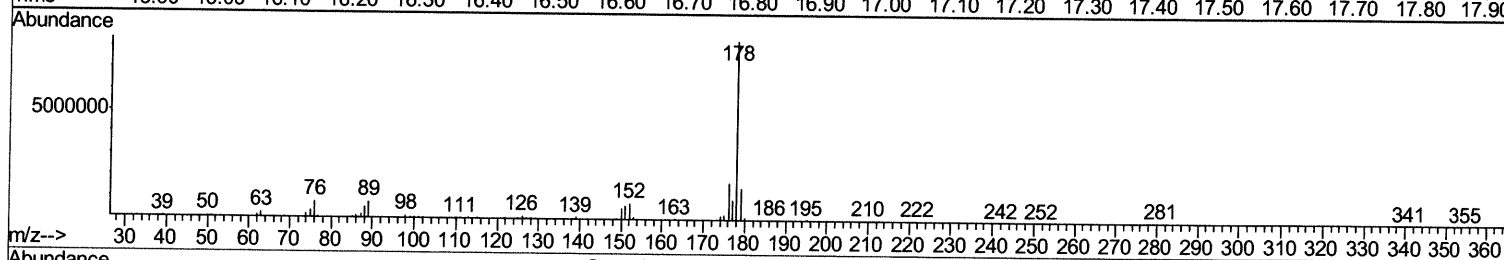
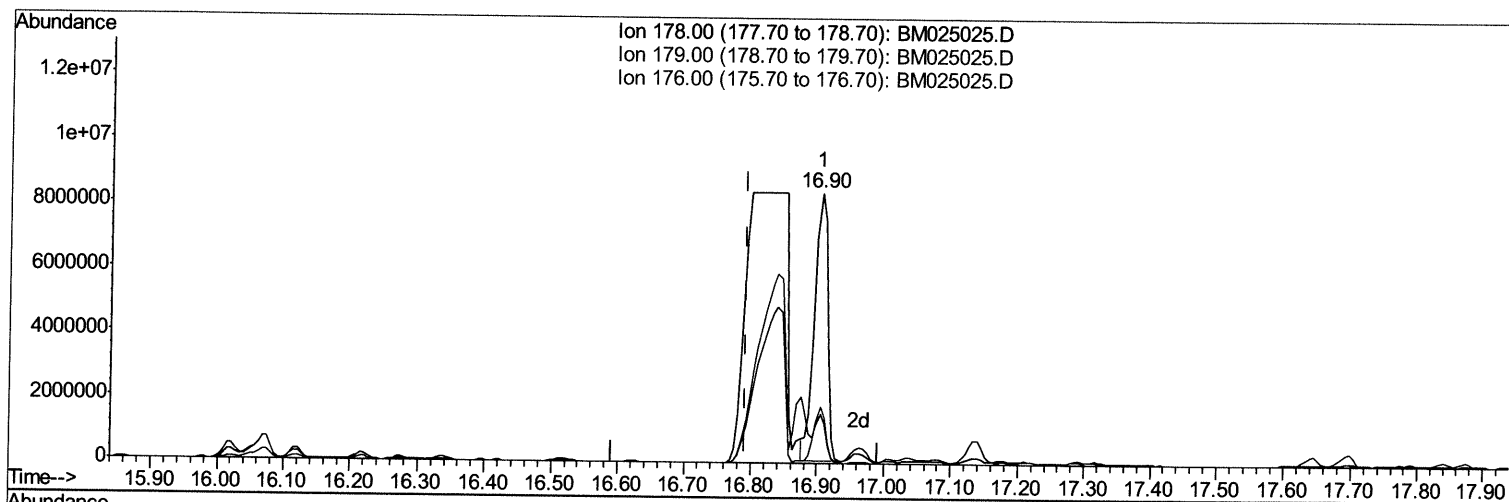
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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

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(70) Phenanthrene

16.904min (+0.112) 138.49ng/ul

response 11508769

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	18.02
176.00	18.10	20.70
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

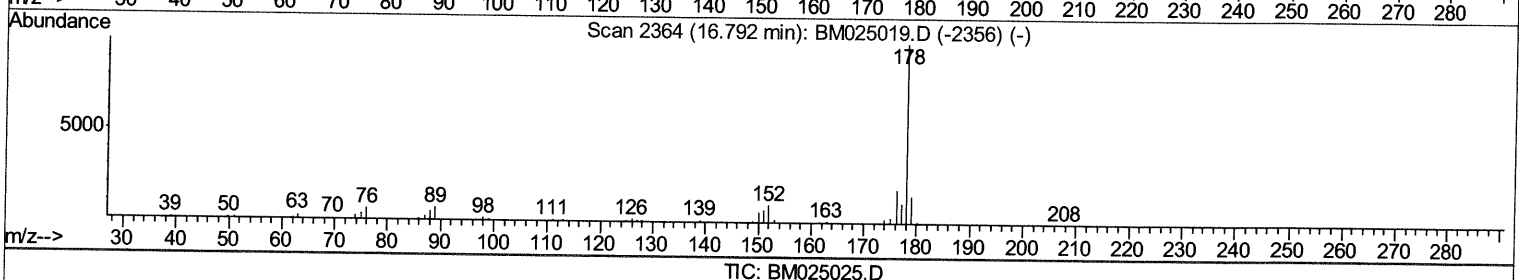
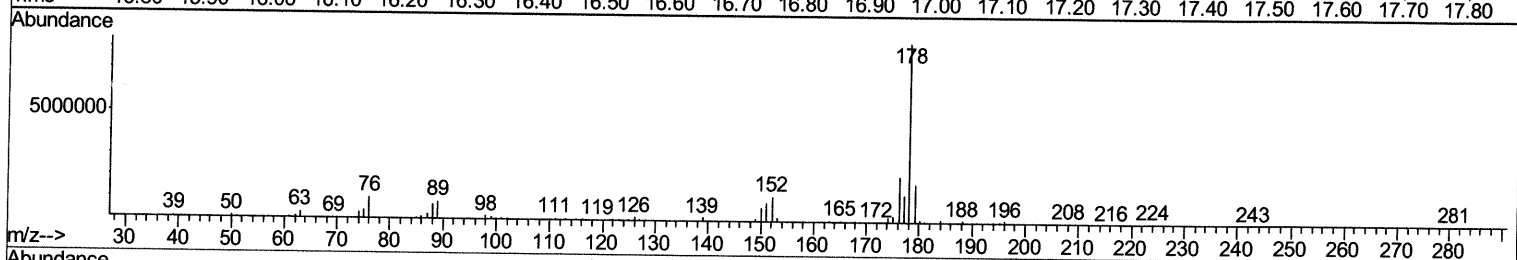
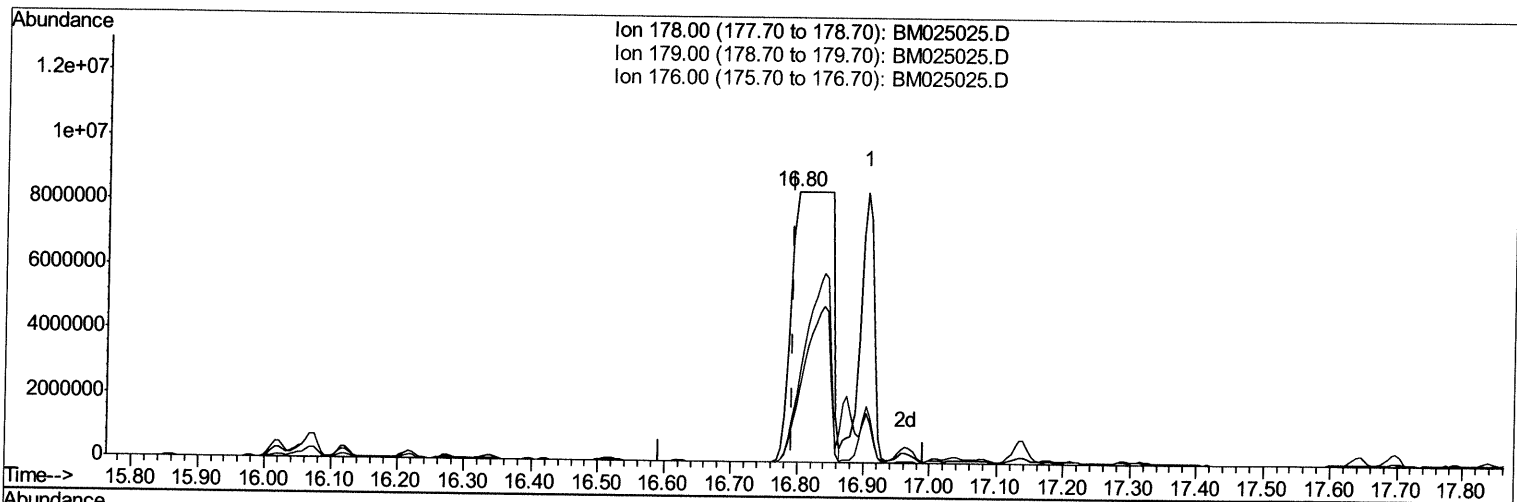
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TIC: BM025025.D

(70) Phenanthrene

16.798min (+0.006) 417.47ng/ul m JU02/25/20

response 34691842

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	21.57#
176.00	18.10	25.09#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

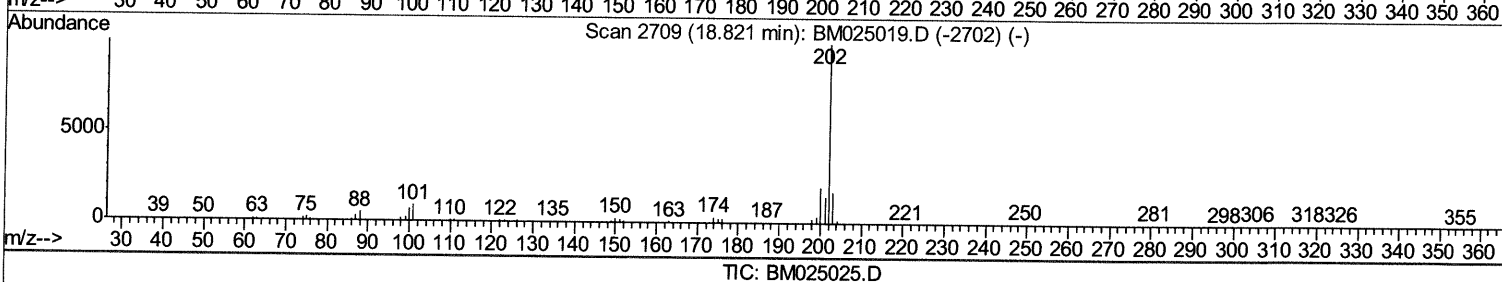
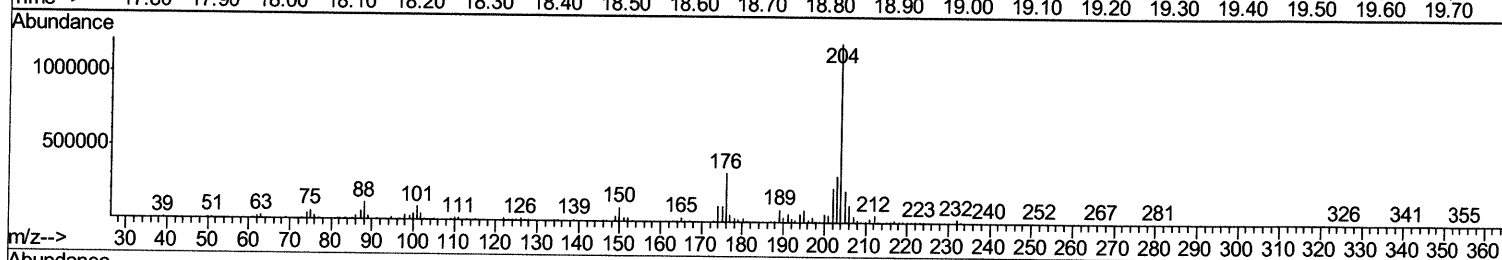
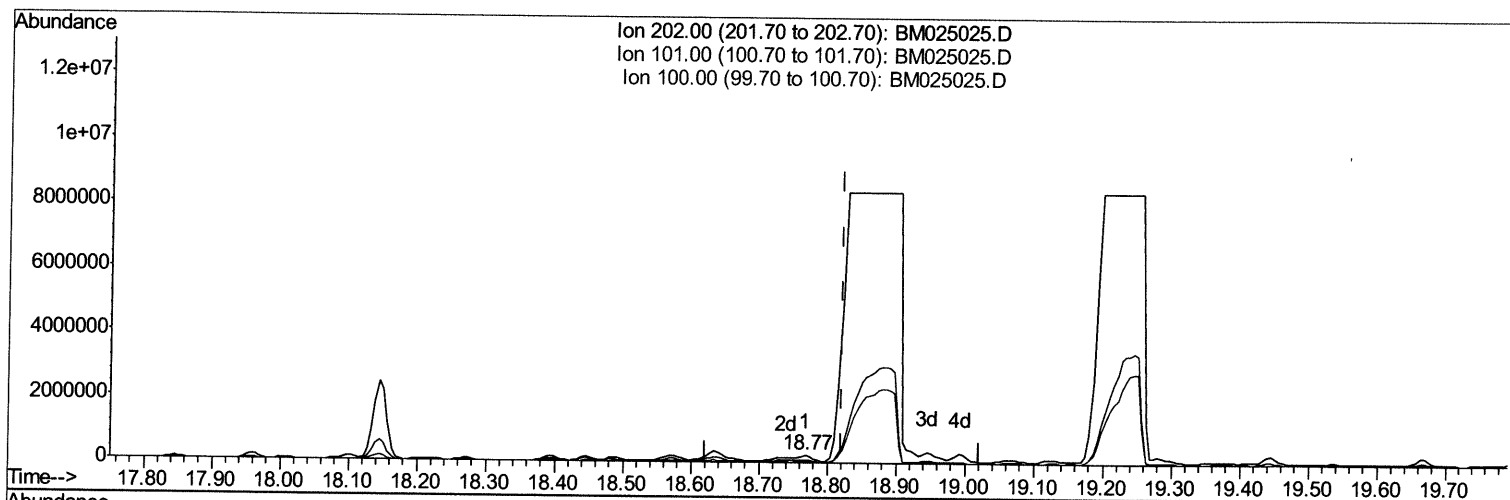
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(77) Fluoranthene (C)

18.768min (-0.053) 2.74ng/ul

response 279498

Ion	Exp%	Act%
202.00	100	100
101.00	7.60	37.62#
100.00	6.00	17.35#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

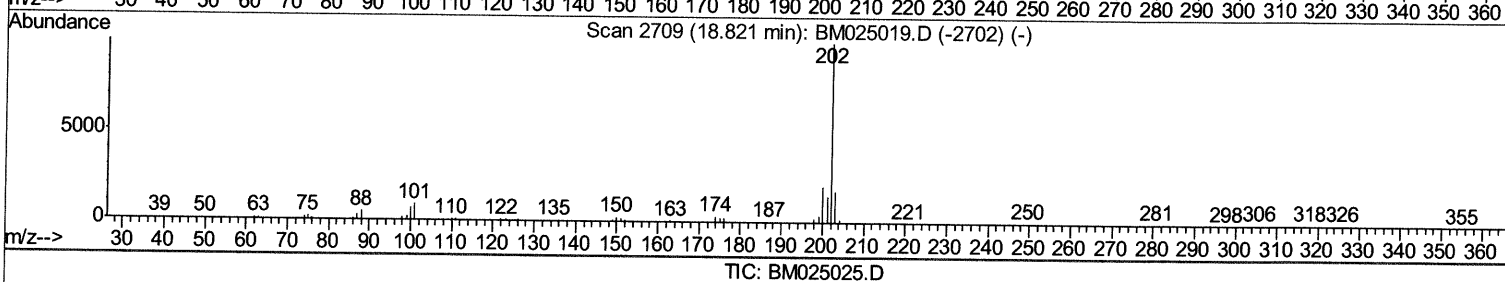
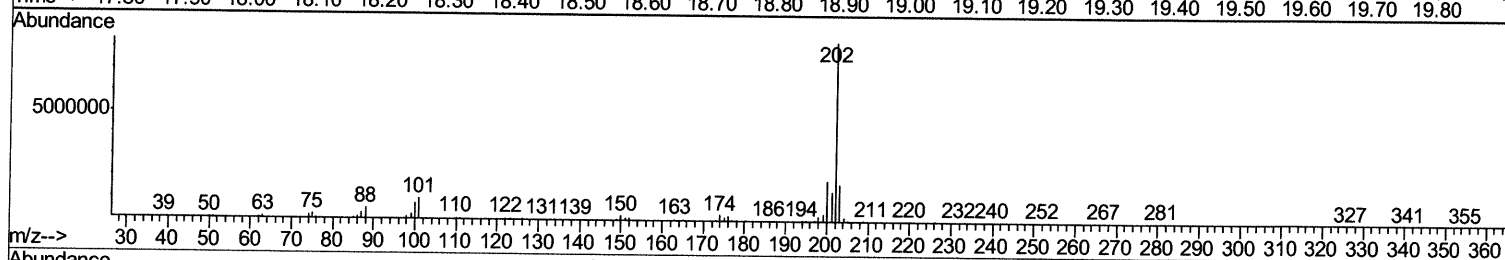
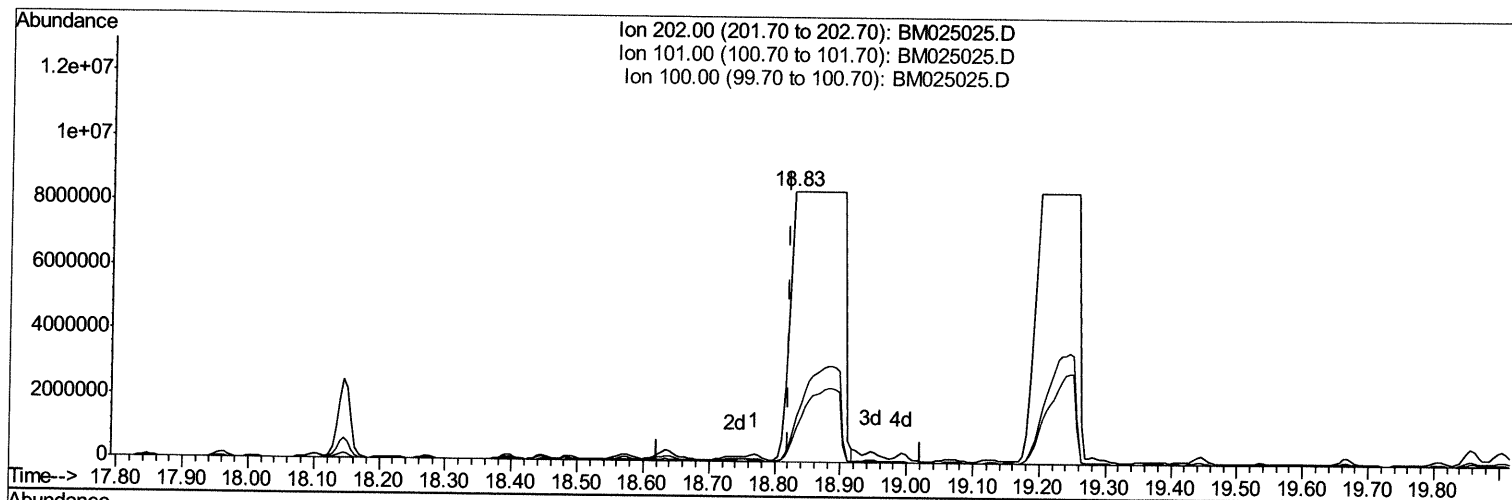
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TIC: BM025025.D

(77) Fluoranthene (C)

18.827min (+0.006) 438.54ng/ul m 5402/25/20

response 44737855

Ion	Exp%	Act%
202.00	100	100
101.00	7.60	11.34#
100.00	6.00	8.78#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

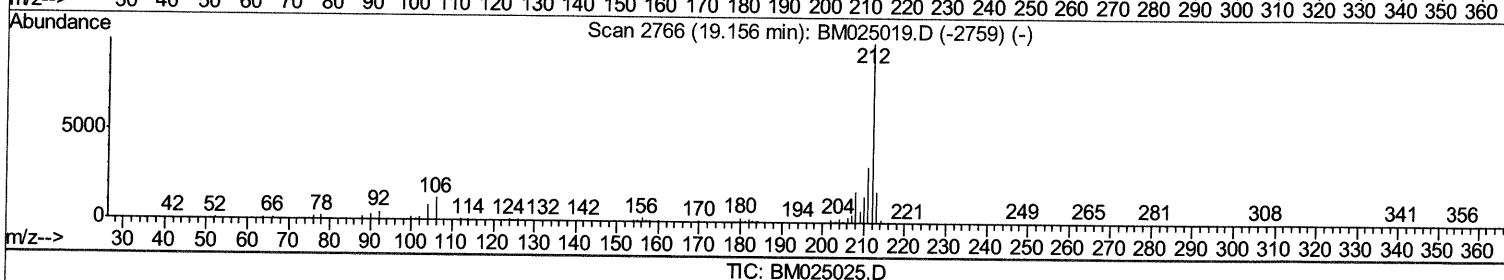
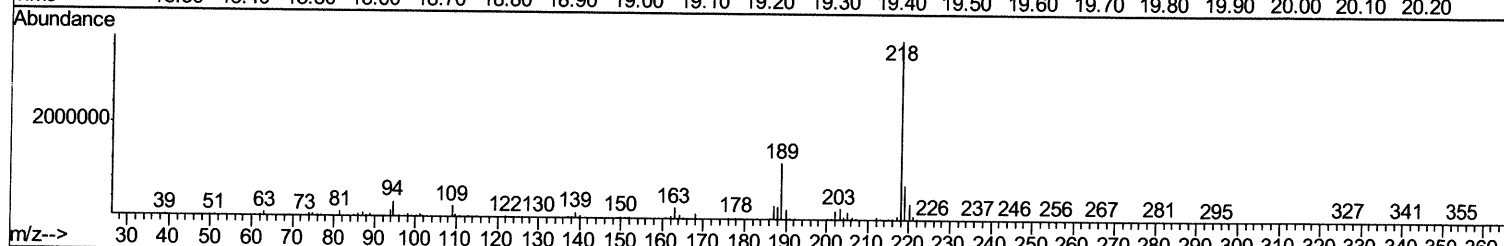
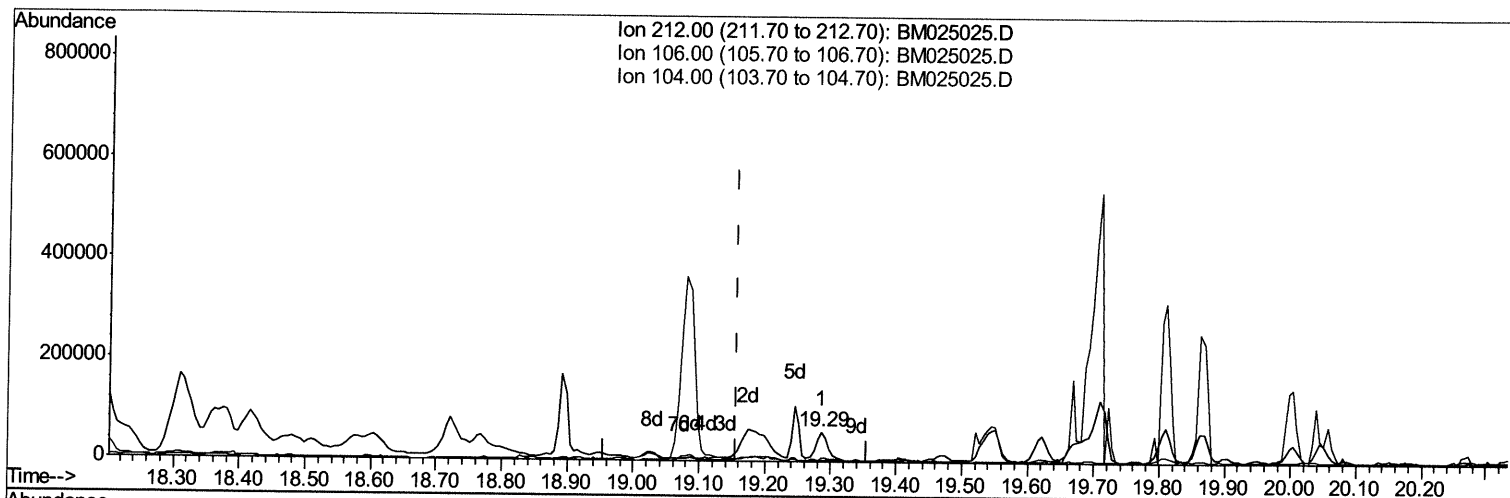
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(79) Pyrene-d10 (S)

19.286min (+0.130) 0.86ng/ul

response 71508

Ion	Exp%	Act%
212.00	100	100
106.00	10.00	11.25
104.00	6.80	5.87
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

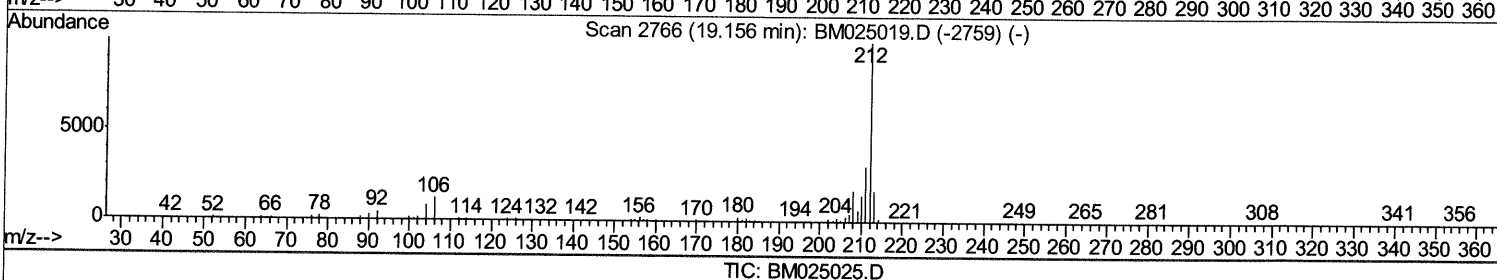
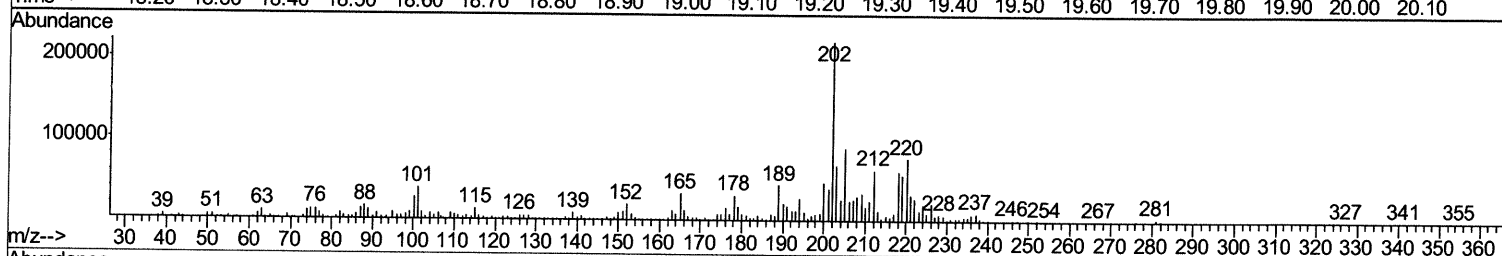
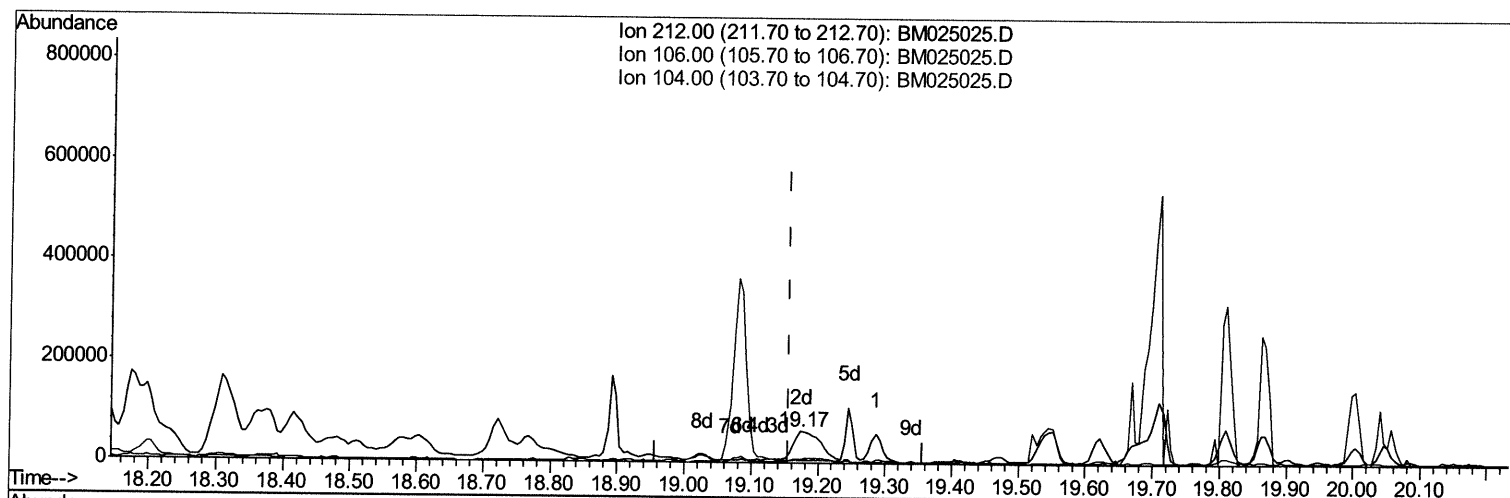
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



(79) Pyrene-d10 (S)

19.174min (+0.018) 1.91ng/ul m JU 02/25/20

response 158883

Ion	Exp%	Act%
212.00	100	100
106.00	10.00	13.09#
104.00	6.80	12.98#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

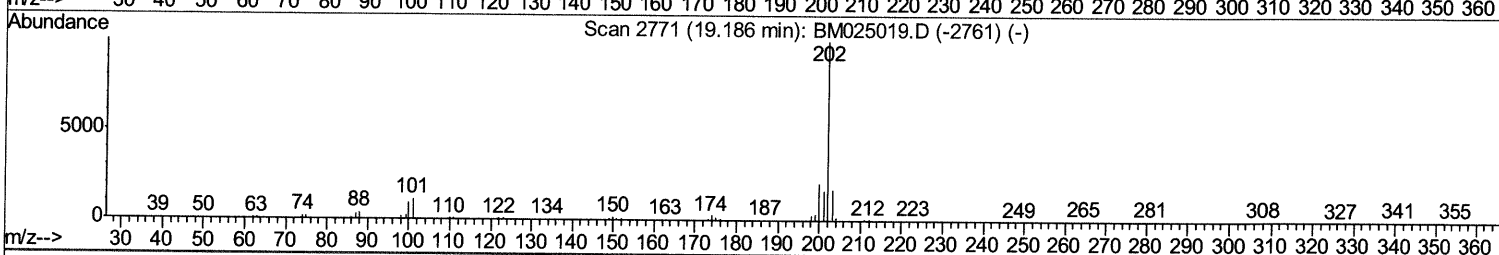
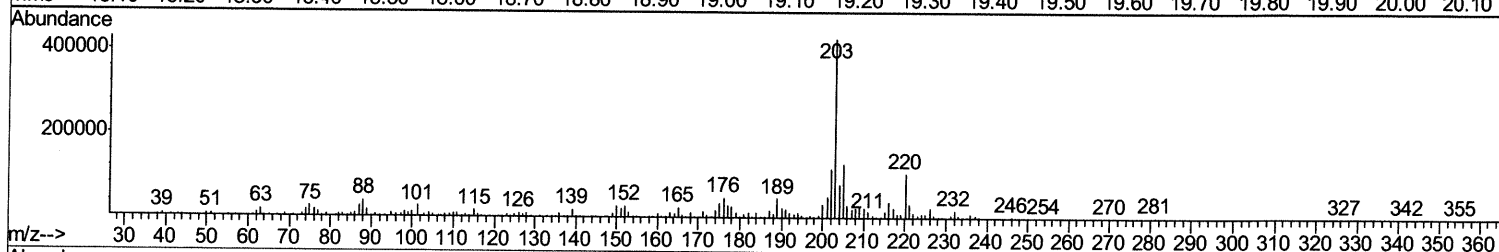
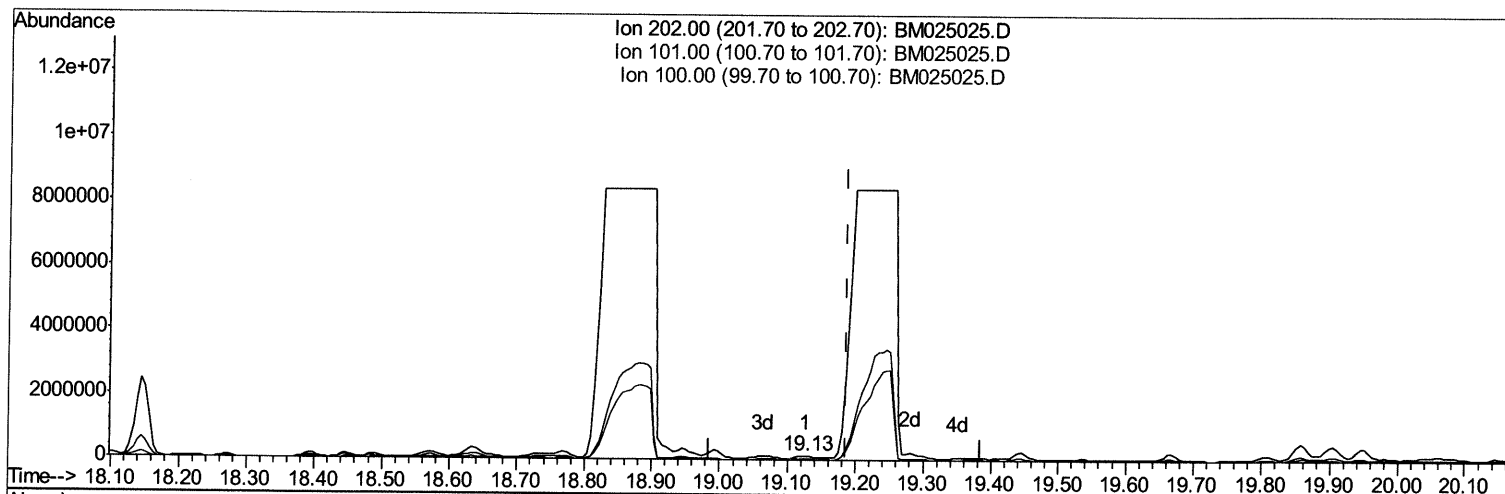
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



TIC: BM025025.D

(80) Pyrene

19.127min (-0.058) 1.24ng/ul

response 136627

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	22.38#
100.00	7.30	9.36#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

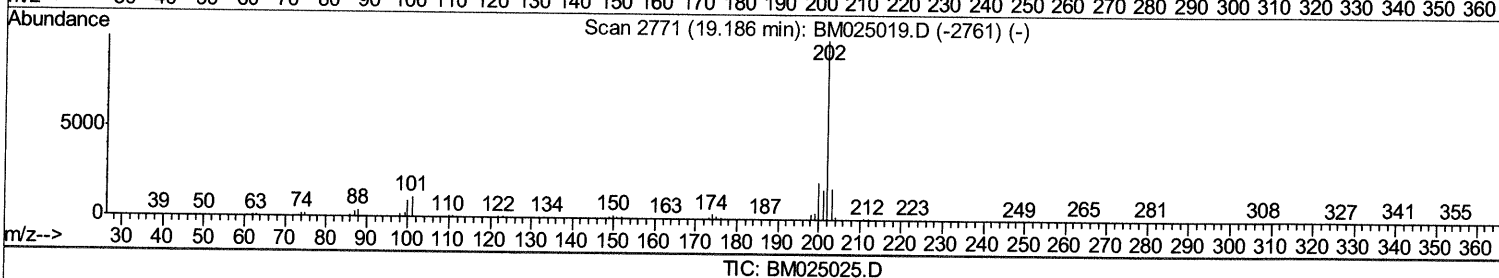
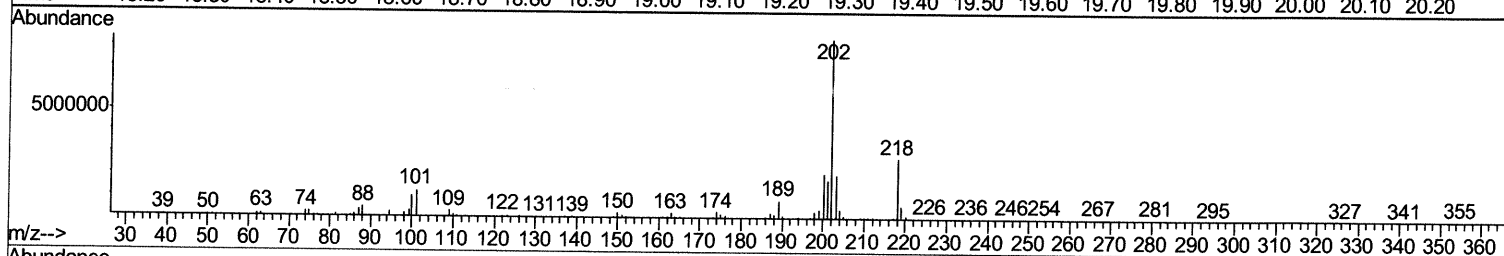
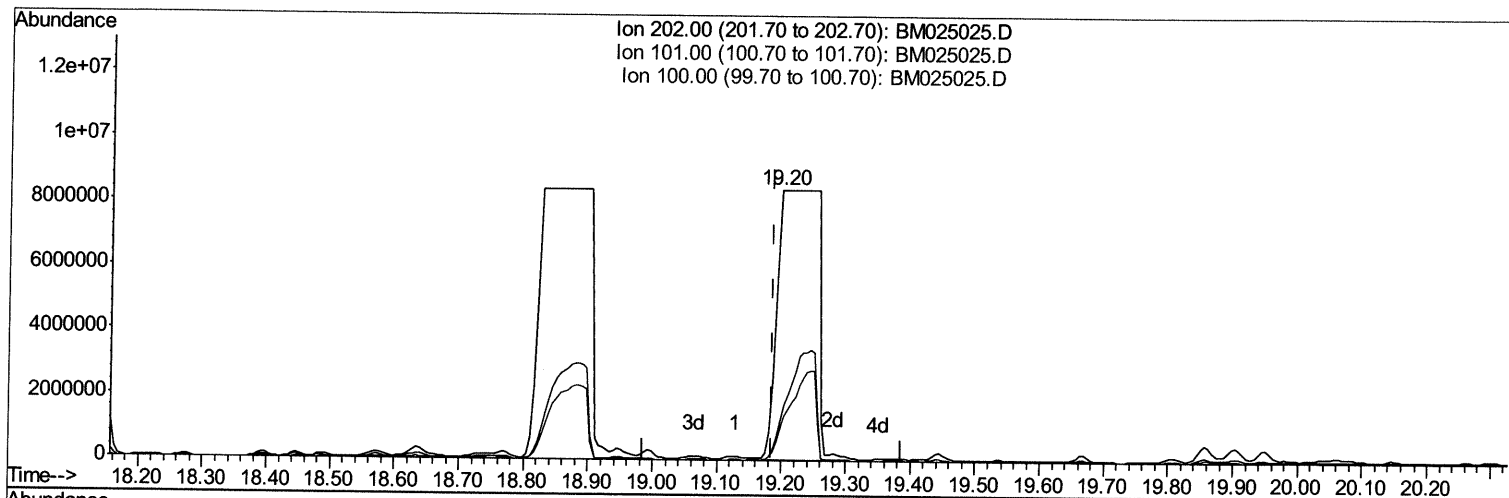
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



(80) Pyrene

19.198min (+0.012) 334.60ng/ul m JU 02/25/20

response 36781272

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	14.53#
100.00	7.30	11.67#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

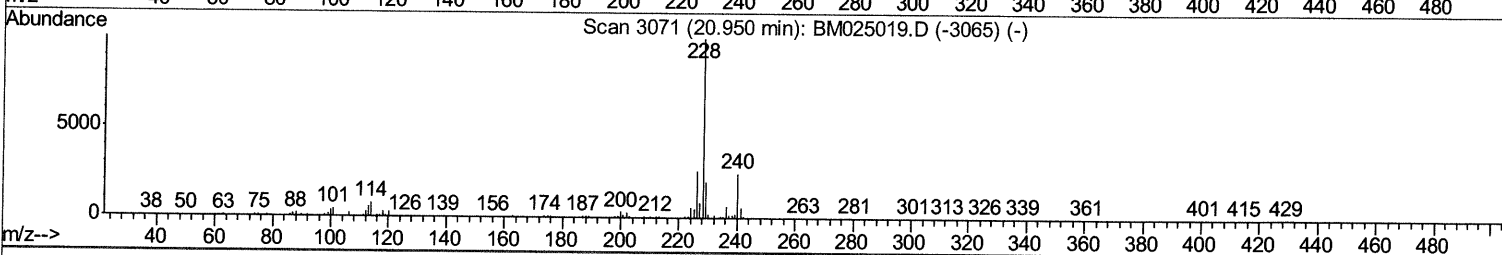
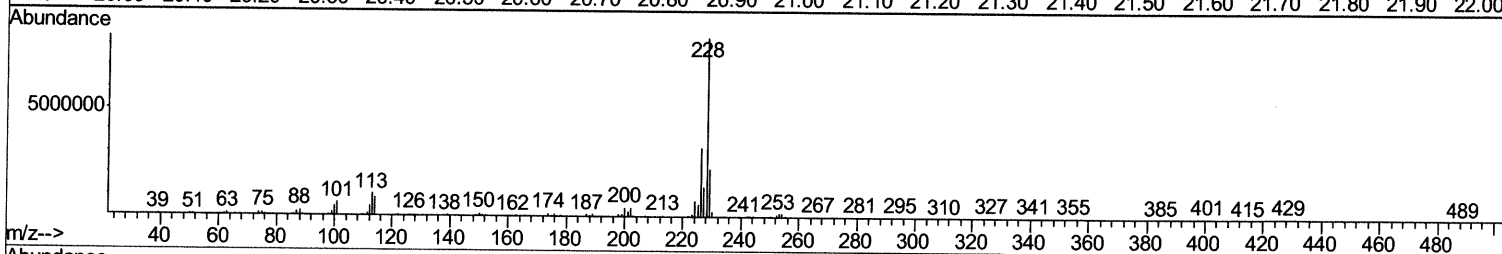
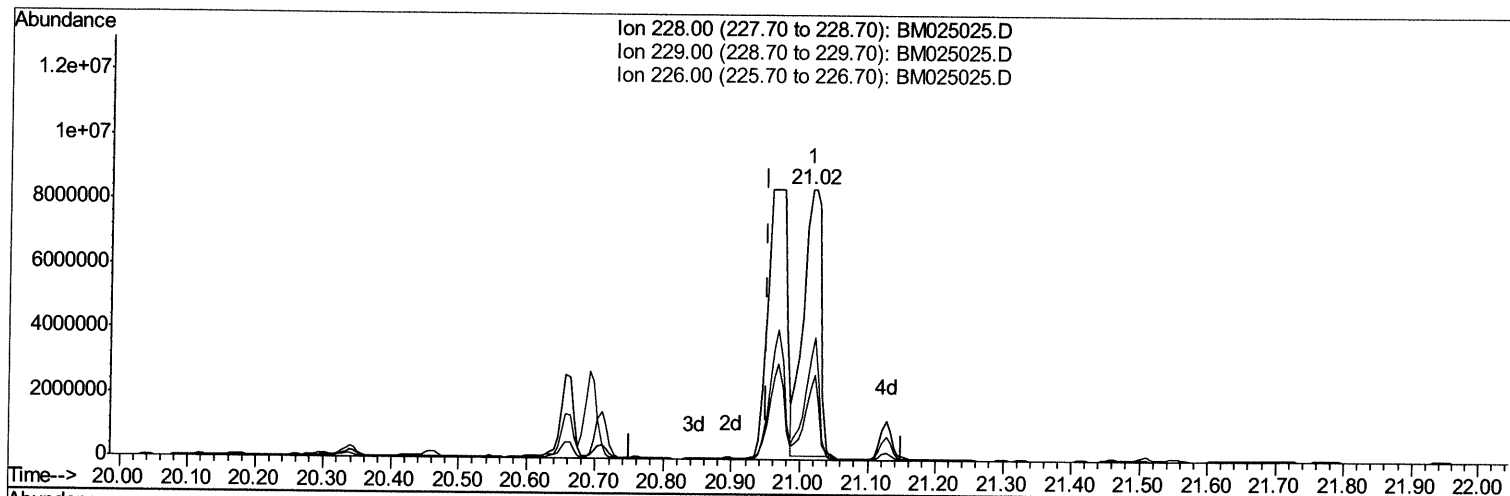
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



TIC: BM025025.D

(83) Benzo(a)anthracene

21.015min (+0.065) 135.69ng/ul

response 15178774

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	26.95#
226.00	26.00	38.08#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

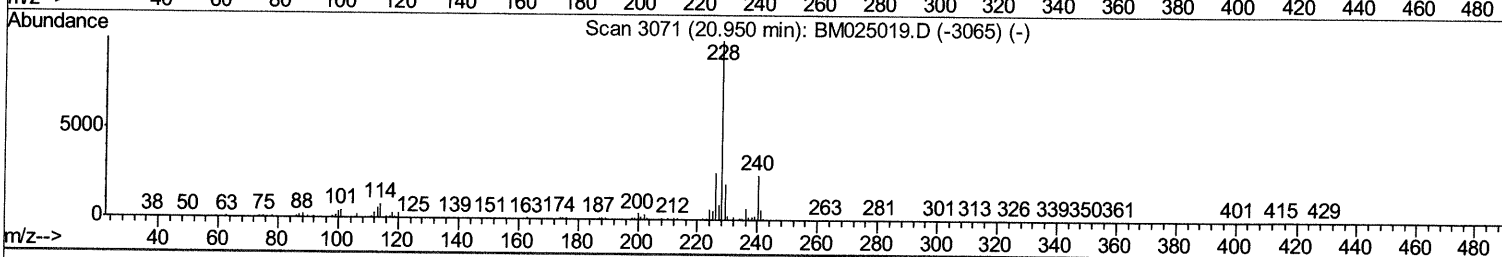
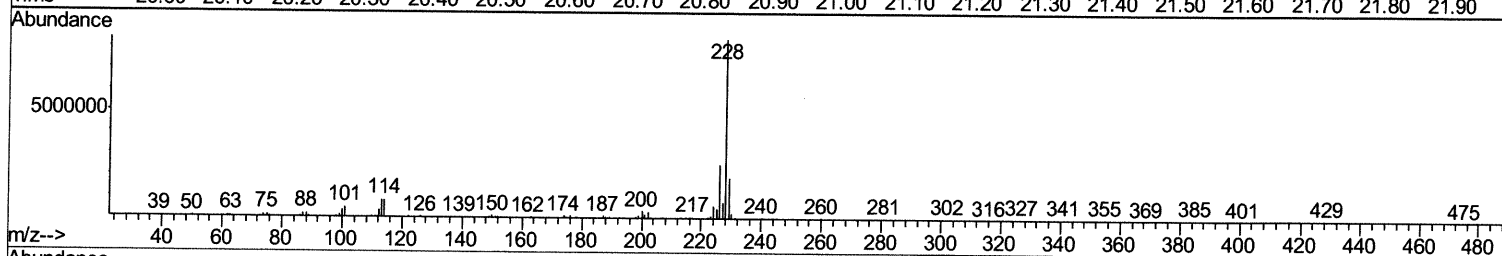
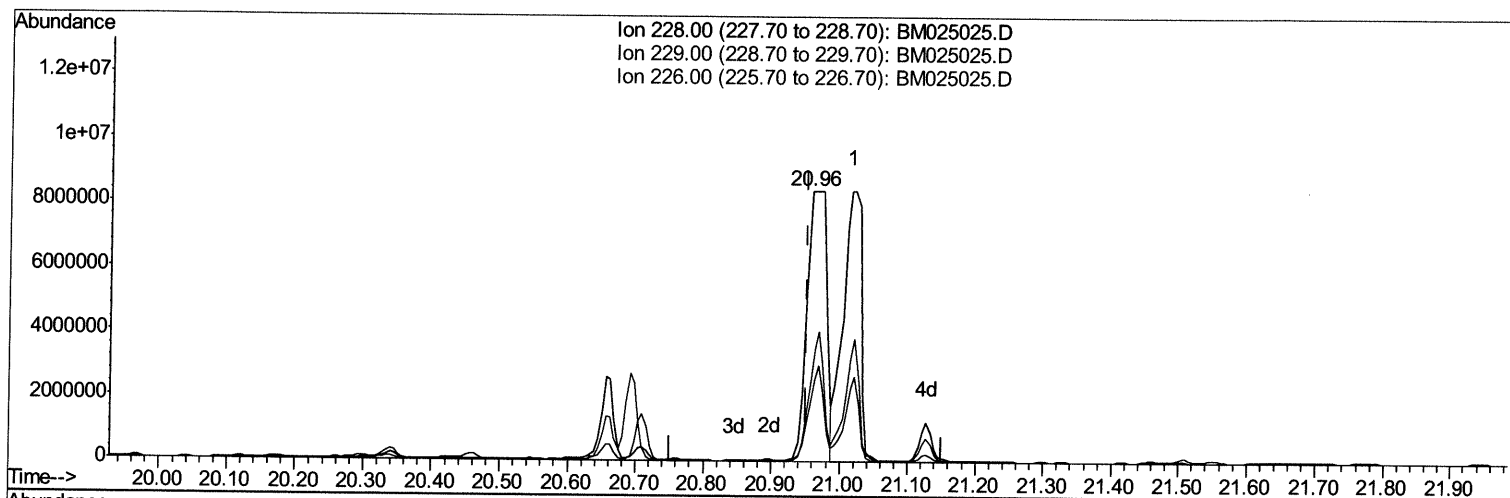
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



TIC: BM025025.D

(83) Benzo(a)anthracene

20.957min (+0.006) 149.66ng/ul m JD 02/25/20

response 16741776

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	22.82
226.00	26.00	30.03
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

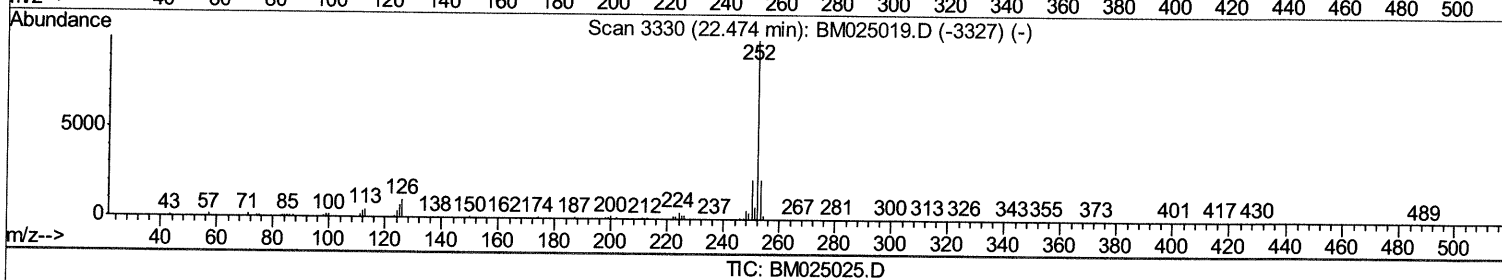
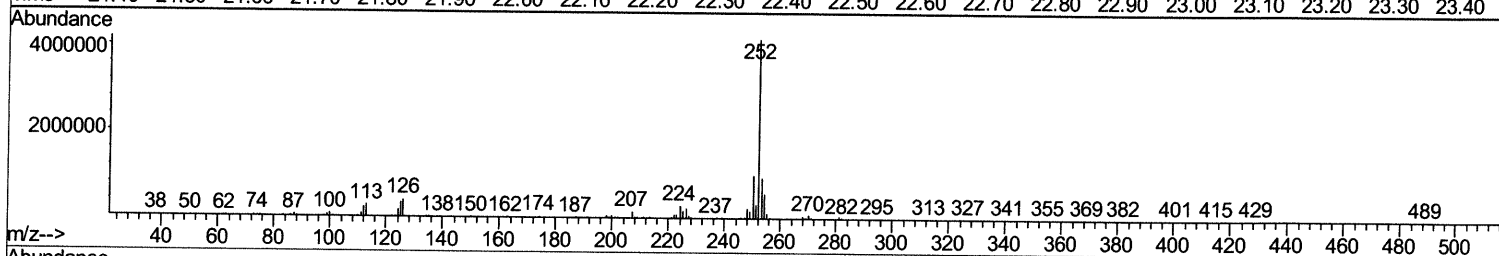
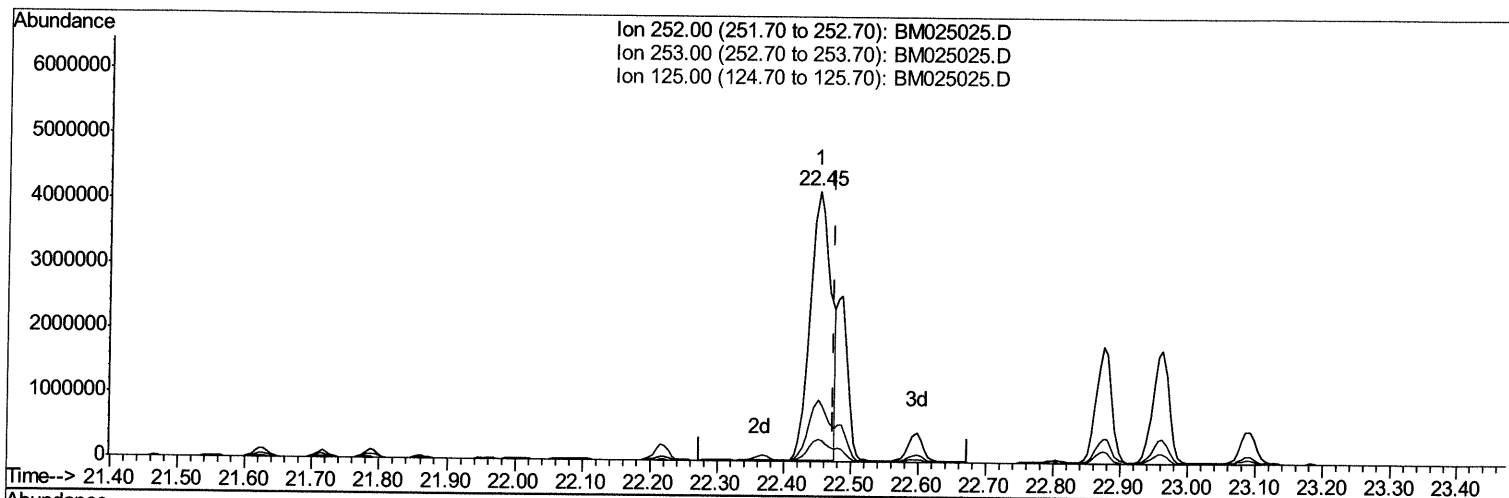
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.451min (-0.023) 77.63ng/ul

response 8901424

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.75
125.00	6.40	8.36#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

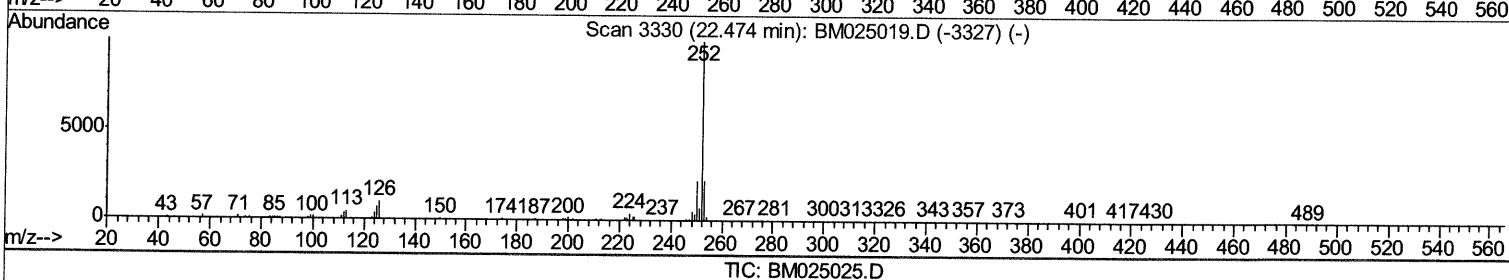
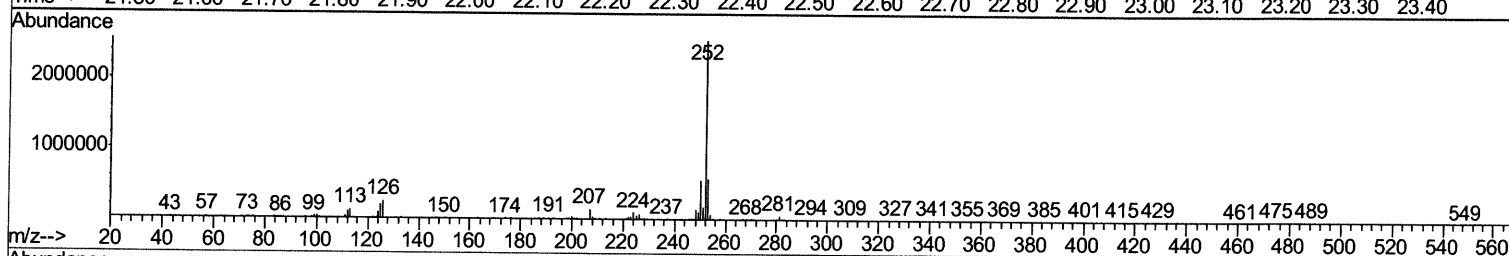
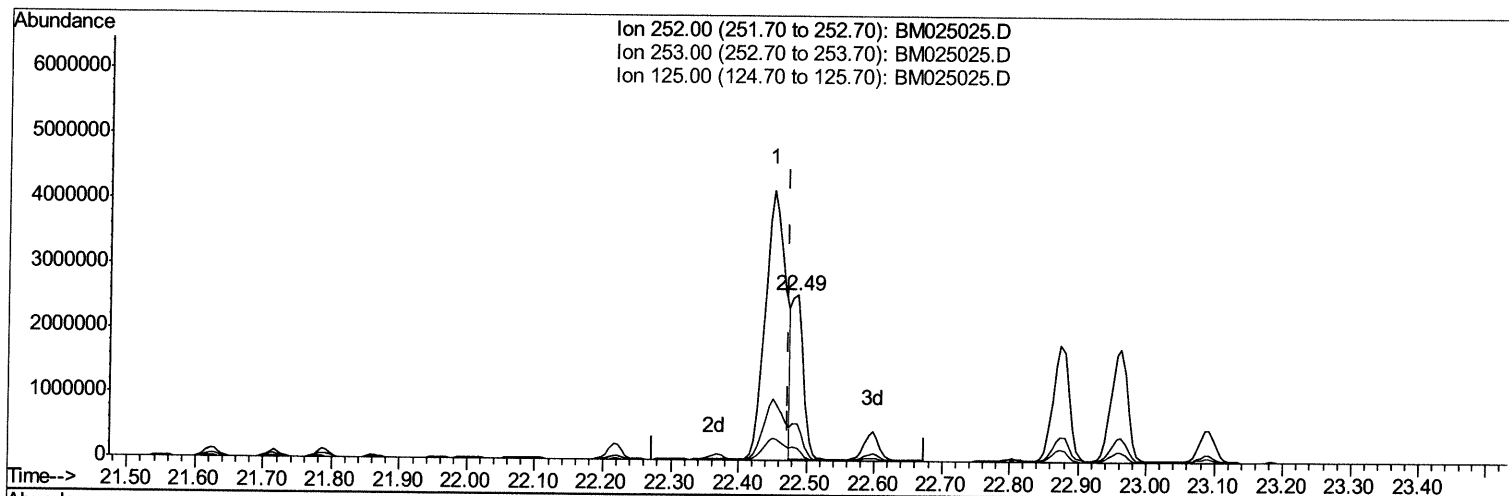
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.486min (+0.012) 25.31ng/ul m JU 02/25/20

response 2901671

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.36
125.00	6.40	7.34
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

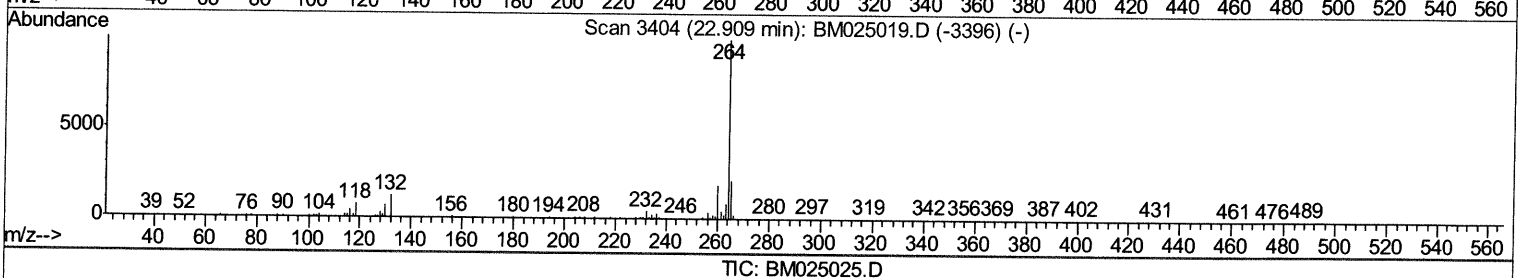
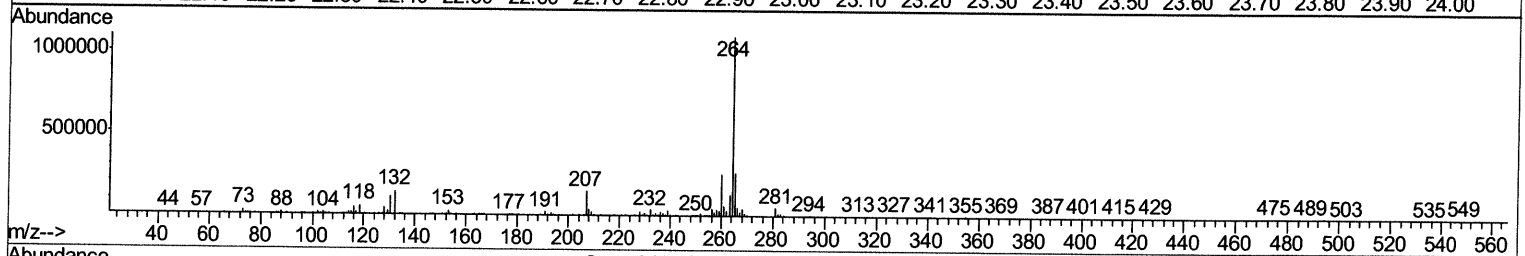
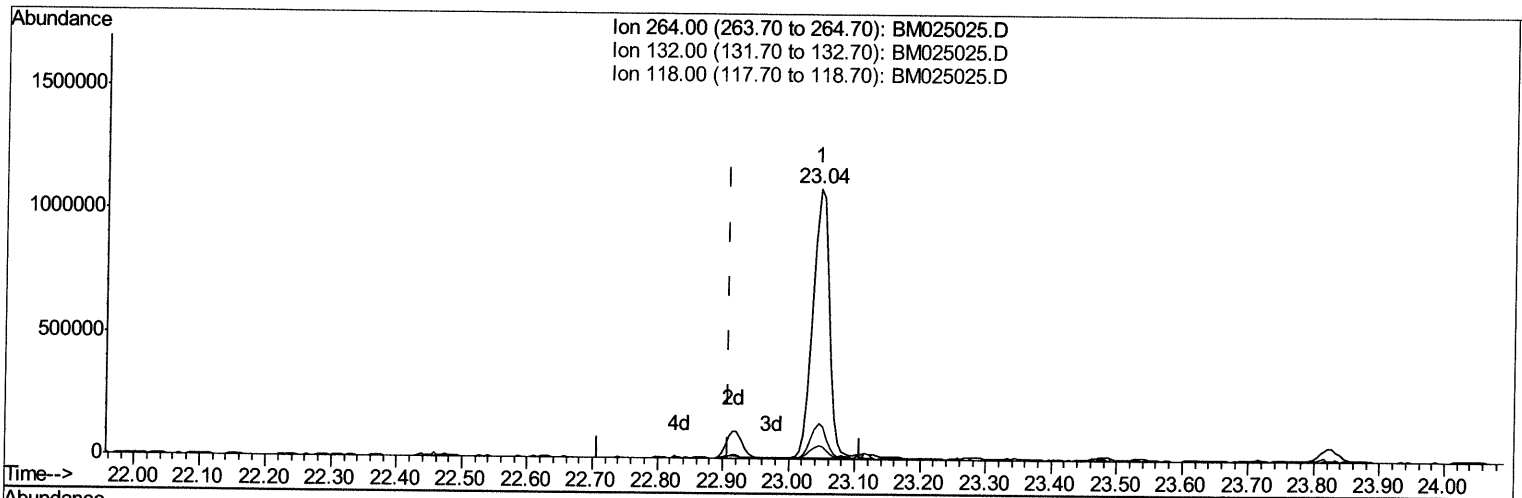
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



(90) Benzo(a)pyrene-d12 (S)

23.045min (+0.136) 19.91ng/ul

response 1873451

Ion	Exp%	Act%
264.00	100	100
132.00	11.00	13.08
118.00	6.20	5.18
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Qedit)

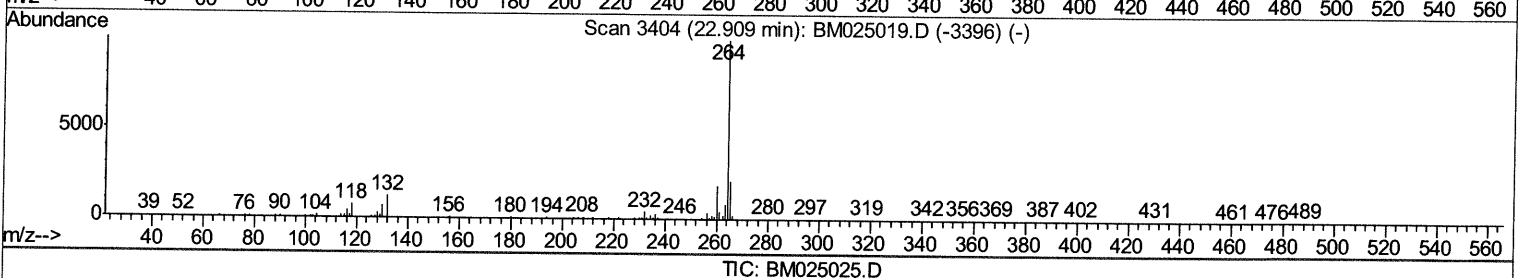
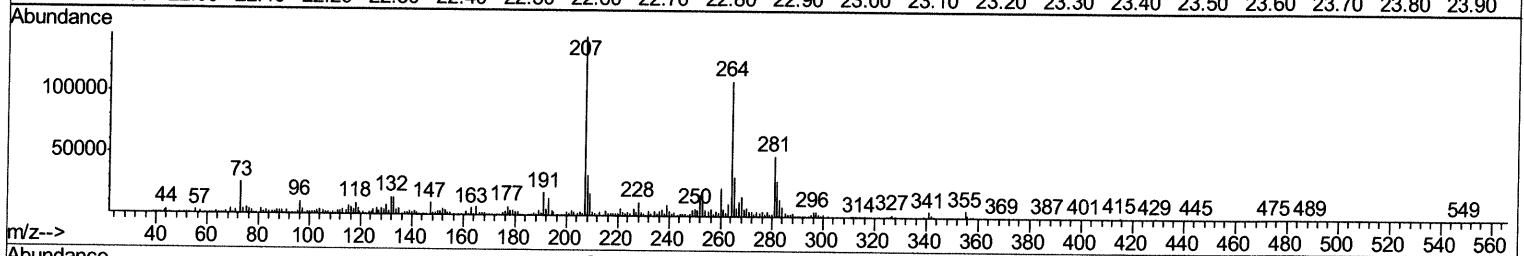
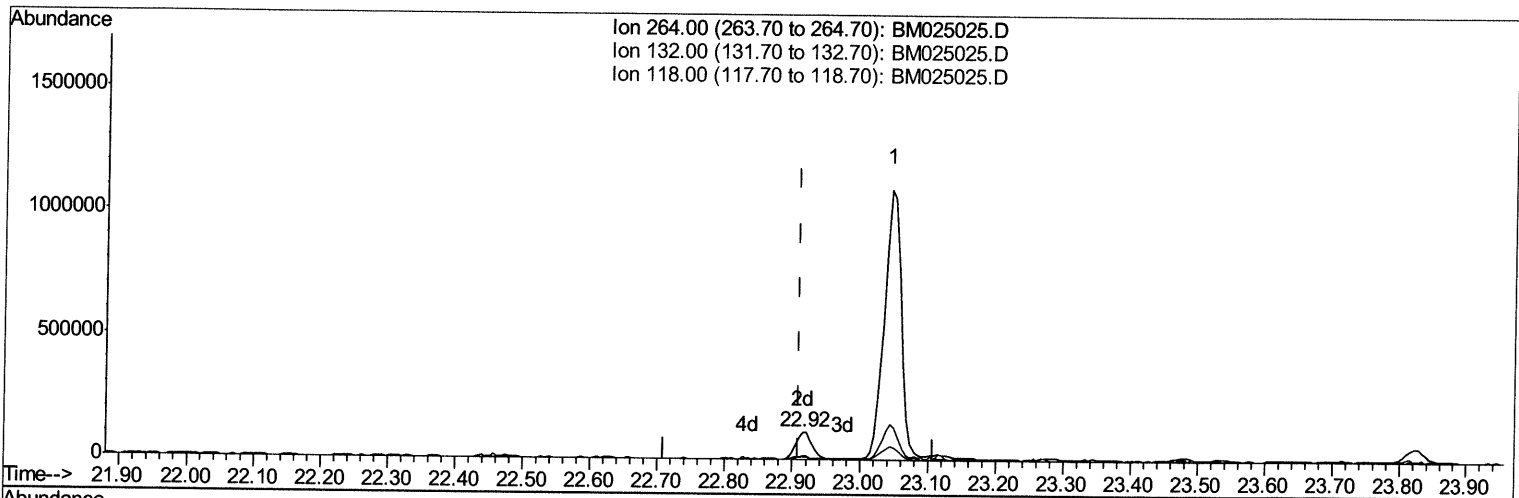
Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 06:02:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration



(90) Benzo(a)pyrene-d12 (S)

22.915min (+0.006) 1.95ng/ul m JU 02/25/20

response 183036

Ion	Exp%	Act%
264.00	100	100
132.00	11.00	13.33#
118.00	6.20	8.77#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022120\
Quantitation Report (LSC Reviewed)

Data File : BM025025.D
Acq On : 22 Feb 2020 14:08
Operator : CG/JU
Sample : L1507-22
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
Client Sampled :
DBD20

Manual Integrations
APPROVED

mohammad
2/24/2020 3:39:08 PM

Quant Time: Feb 24 10:51:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	224746	20.00	ng/ul	0.00
18) Naphthalene-d8	10.09	136	945134	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.00	164	667348	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.76	188	1524098	20.00	ng/ul	0.01
78) Chrysene-d12	20.98	240	1660718	20.00	ng/ul	0.02
86) Perylene-d12	23.04	264	1873451	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	1588	0.34	ng/uL	0.02
5) Phenol-d5	6.55	99	21854	1.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.70	67	15583	1.85	ng/ul	0.00
9) 2-Chlorophenol-d4	6.88	132	20761	1.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.06	113	17513	1.39	ng/ul	0.00
19) Nitrobenzene-d5	8.48	128	10893	1.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.20	143	10347	1.28	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.74	165	21657	1.33	ng/ul	0.01
29) 4-Chloroaniline-d4	10.27	131	3473m >	0.23	ng/ul >	0.04 Ju 02/25/20
44) Dimethylphthalate-d6	13.42	166	90522	1.80	ng/ul	0.00
47) Acenaphthylene-d8	13.67	160	107399	1.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.22	143	7615	0.93	ng/ul	0.00
58) Fluorene-d10	15.00	176	97106	2.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.17	200	7285m >	0.73	ng/ul >	0.04 Ju 02/25/20
71) Anthracene-d10	16.87	188	145633	2.09	ng/ul	0.02
79) Pyrene-d10	19.17	212	158883m }	1.91	ng/ul }	0.02 Ju 02/25/20
90) Benzo(a)pyrene-d12	22.92	264	183036m }	1.95	ng/ul }	0.00

Target Compounds

					Qvalue	
34) 2-Methylnaphthalene	11.76	142	113983	3.204	ng/ul	100
48) Acenaphthylene	13.71	152	1676332	27.510	ng/ul	97
50) Acenaphthene	14.07	153	20686445m >	502.682	ng/ul >	Ju 02/25/20
54) Dibenzofuran	14.40	168	14126640	230.288	ng/ul	95
59) Fluorene	15.06	166	19458367m }	384.884	ng/ul }	Ju 02/25/20
70) Phenanthrene	16.80	178	34691842m }	417.466	ng/ul }	
72) Anthracene	16.90	178	11508769	136.556	ng/ul	93
75) Carbazole	17.16	167	440852	6.279	ng/ul#	87
76) Di-n-butylphthalate	17.76	149	114927	1.286	ng/ul#	68
77) Fluoranthene	18.83	202	44737855m }	438.541	ng/ul }	
80) Pyrene	19.20	202	36781272m }	334.595	ng/ul }	Ju 02/25/20
83) Benzo(a)anthracene	20.96	228	16741776m }	149.660	ng/ul }	
84) Bis(2-ethylhexyl)phthalate	20.93	149	122162	1.877	ng/ul	98
85) Chrysene	21.02	228	15178774	137.823	ng/ul#	83
88) Benzo(b)fluoranthene	22.45	252	8901424	74.720	ng/ul#	97
89) Benzo(k)fluoranthene	22.49	252	2901671m >	25.306	ng/ul >	Ju 02/25/20
91) Benzo(a)pyrene	22.96	252	2928904	27.423	ng/ul#	98
92) Indeno(1,2,3-cd)pyrene	25.06	276	1216634	9.150	ng/ul	99
93) Dibenzo(a,h)anthracene	25.06	278	376408	3.323	ng/ul#	95
94) Benzo(g,h,i)perylene	25.66	276	780642	7.059	ng/ul	97

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