

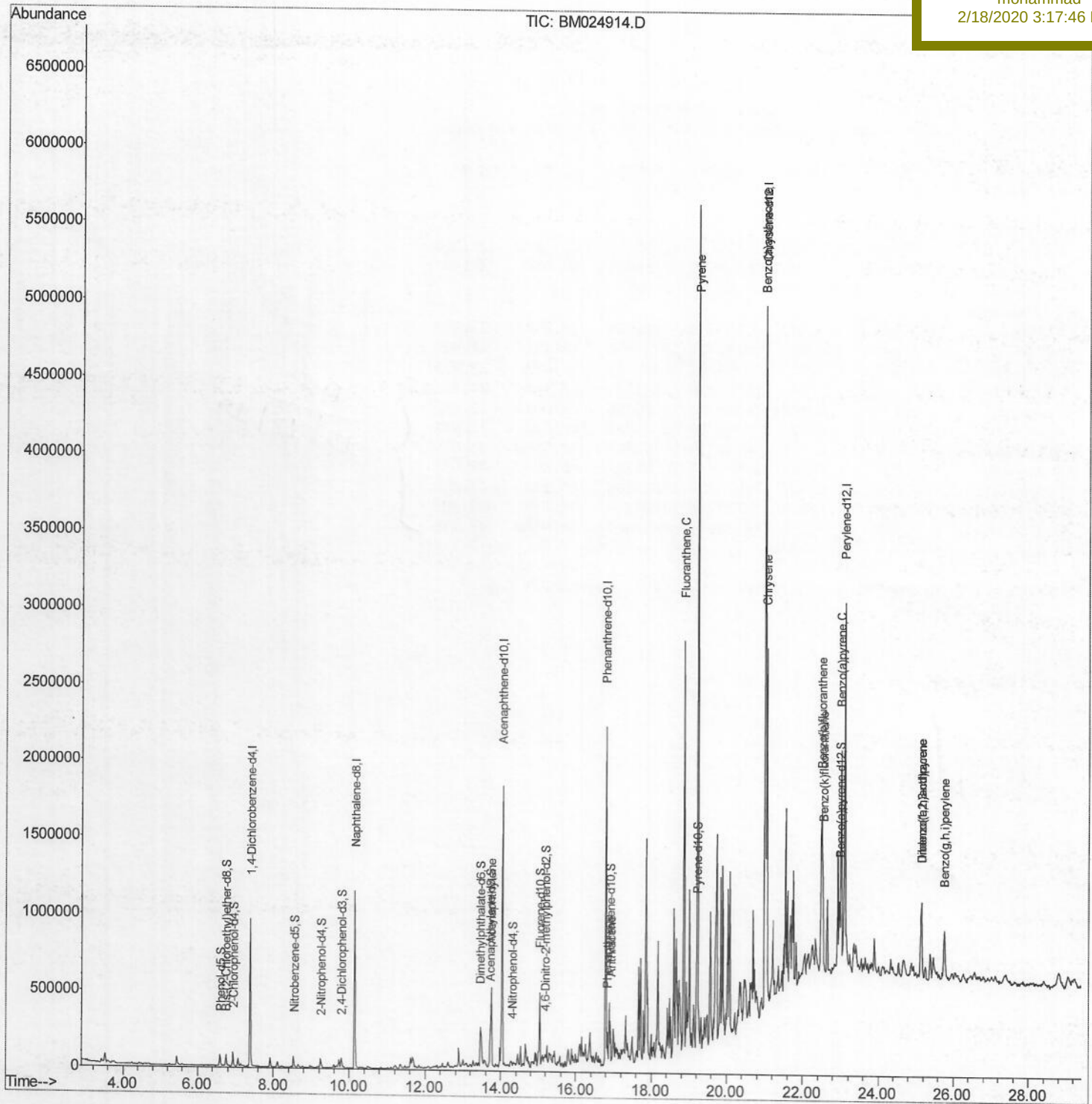
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 01:43:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
Client Sampled :
GAT42DL

Manual Integrations
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Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

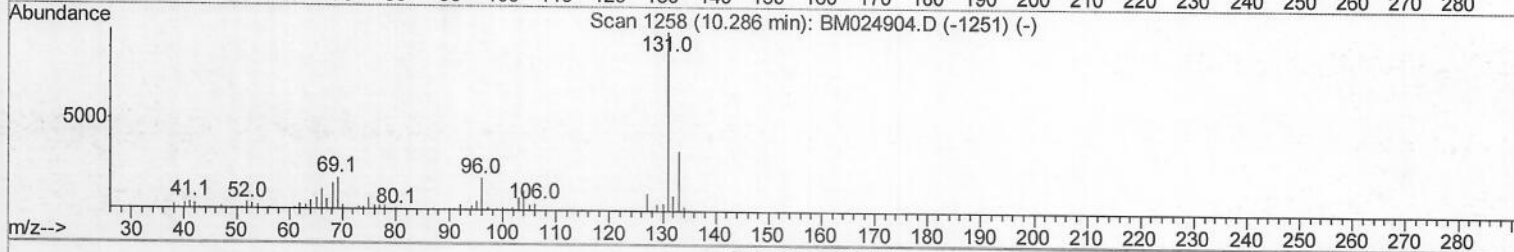
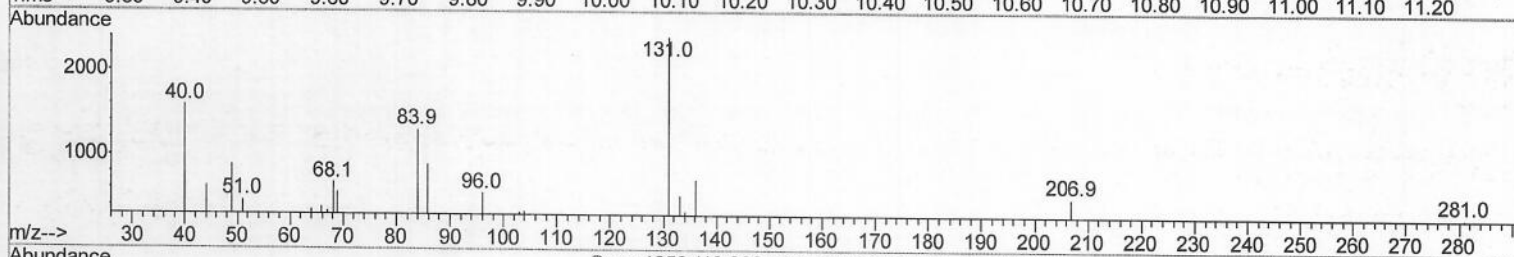
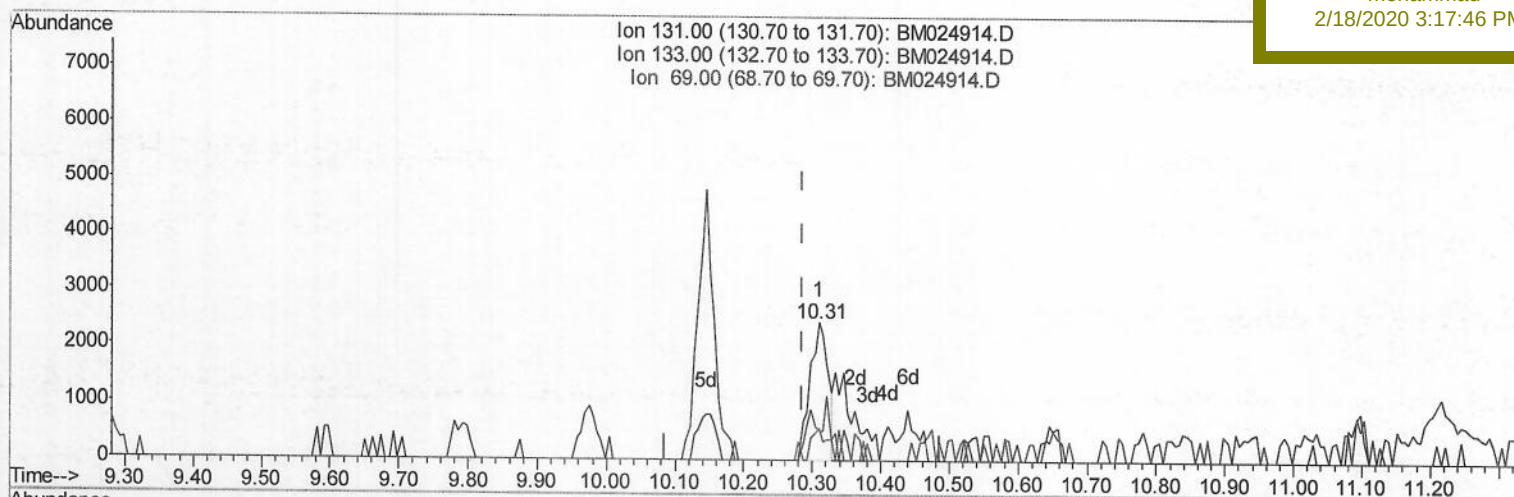
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Manual Integrations

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TIC: BM024914.D

(29) 4-Chloroaniline-d4 (S)

10.310min (+0.024) 0.27ng/ul

response 4458

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	21.85#
69.00	16.20	23.51#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

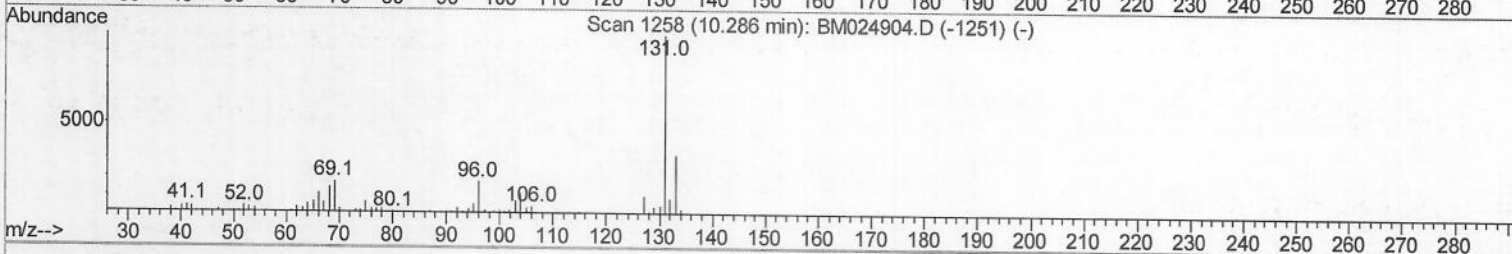
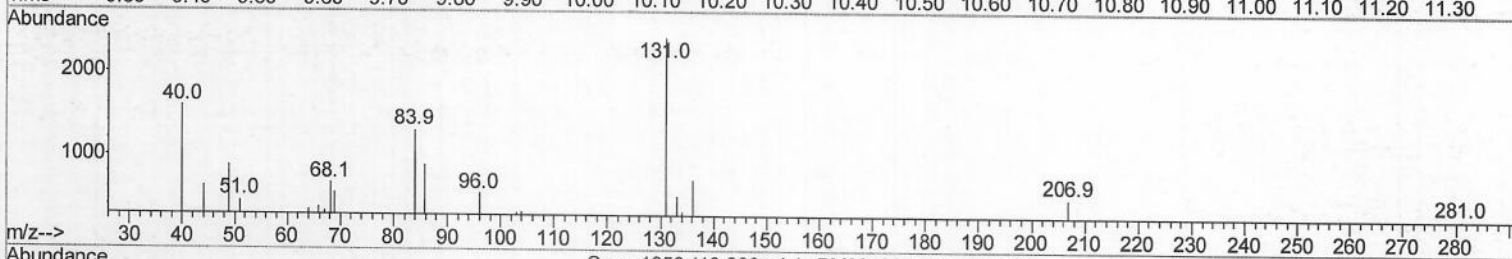
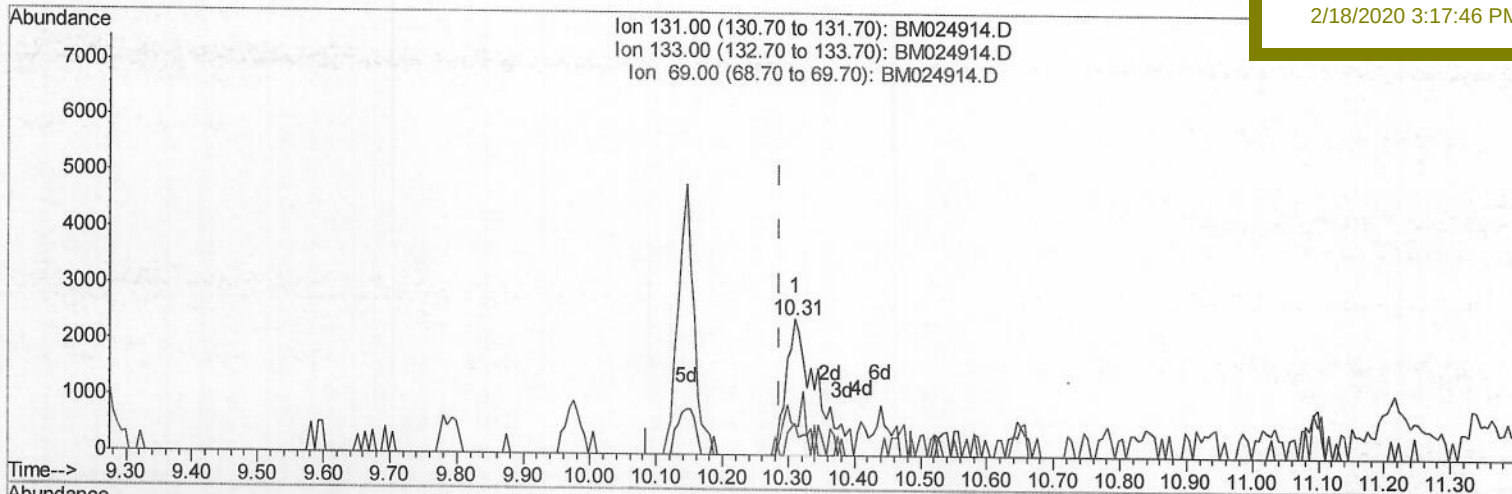
GAT42DL

Manual Integrations

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(29) 4-Chloroaniline-d4 (S)

10.310min (+0.024) 0.47ng/ul m750 02/18/20

response 7631

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	21.85#
69.00	16.20	23.51#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

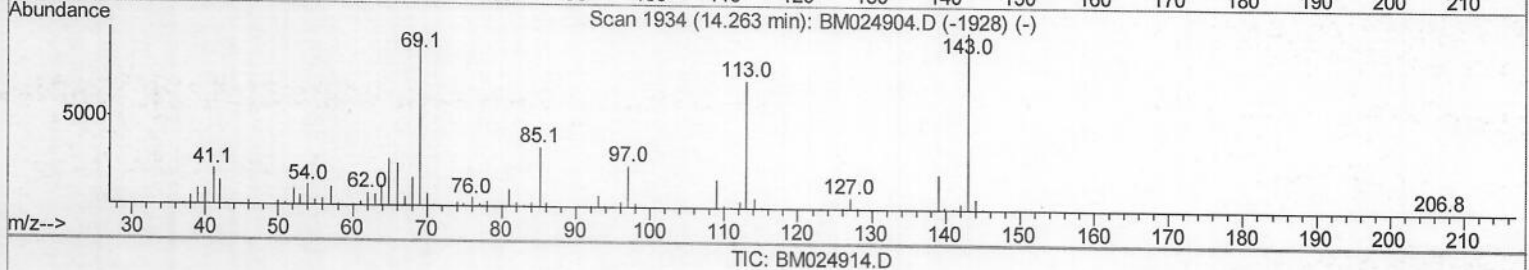
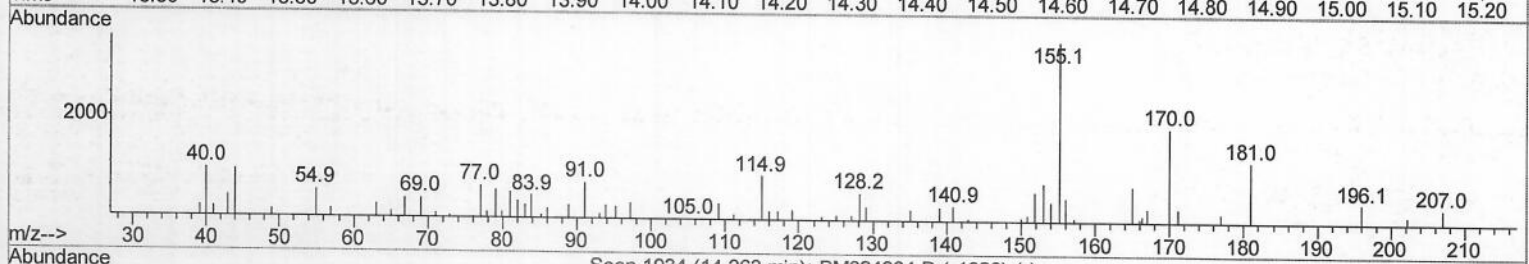
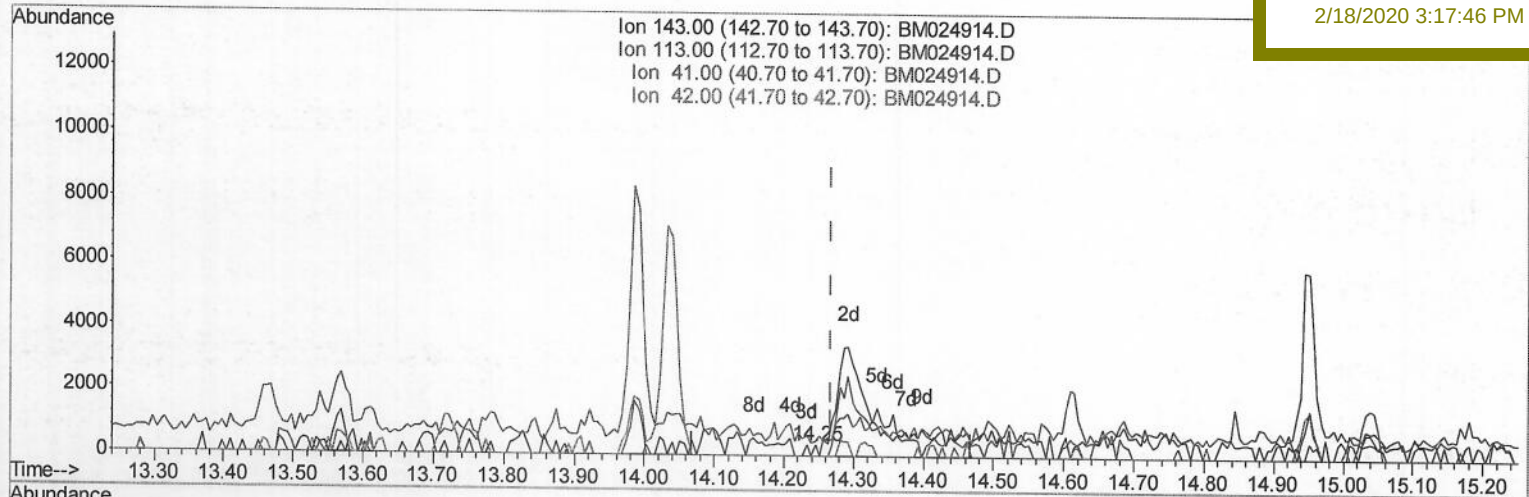
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Manual Integrations

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(52) 4-Nitrophenol-d4 (S)

14.245min (-0.023) 0.02ng/ul

response 120

Ion	Exp%	Act%
143.00	100	100
113.00	71.10	0.00#
41.00	26.10	138.42#
42.00	18.80	0.00#

Quantitation Report (Qedit)

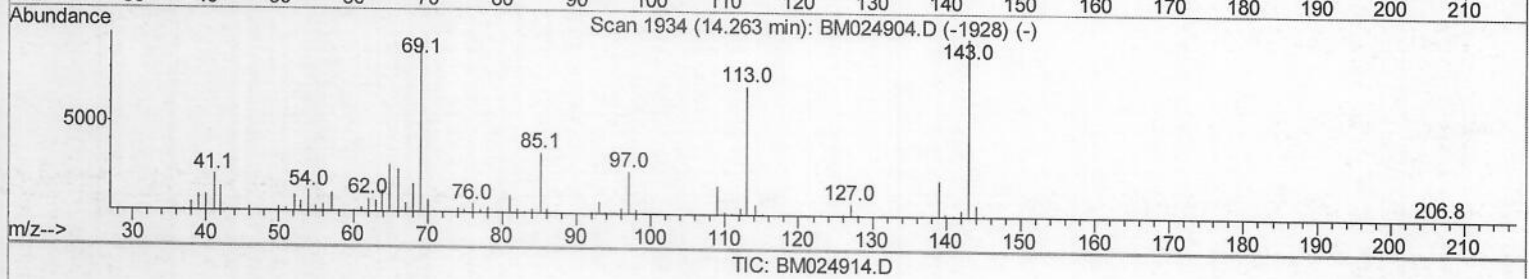
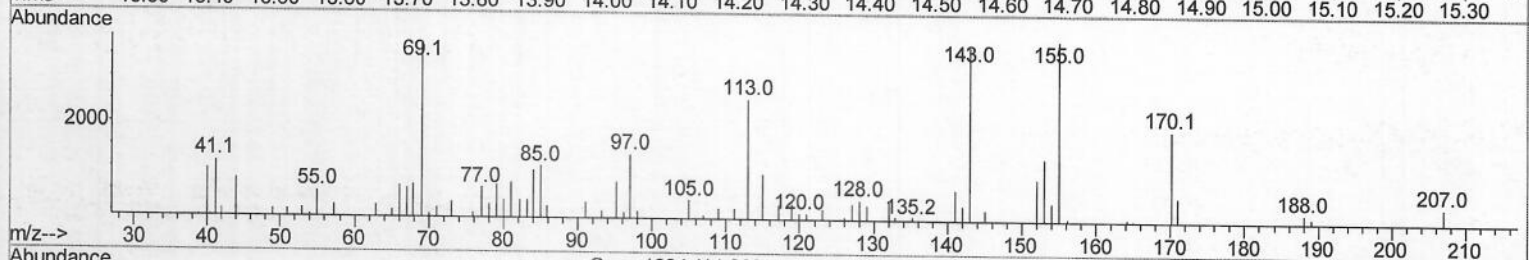
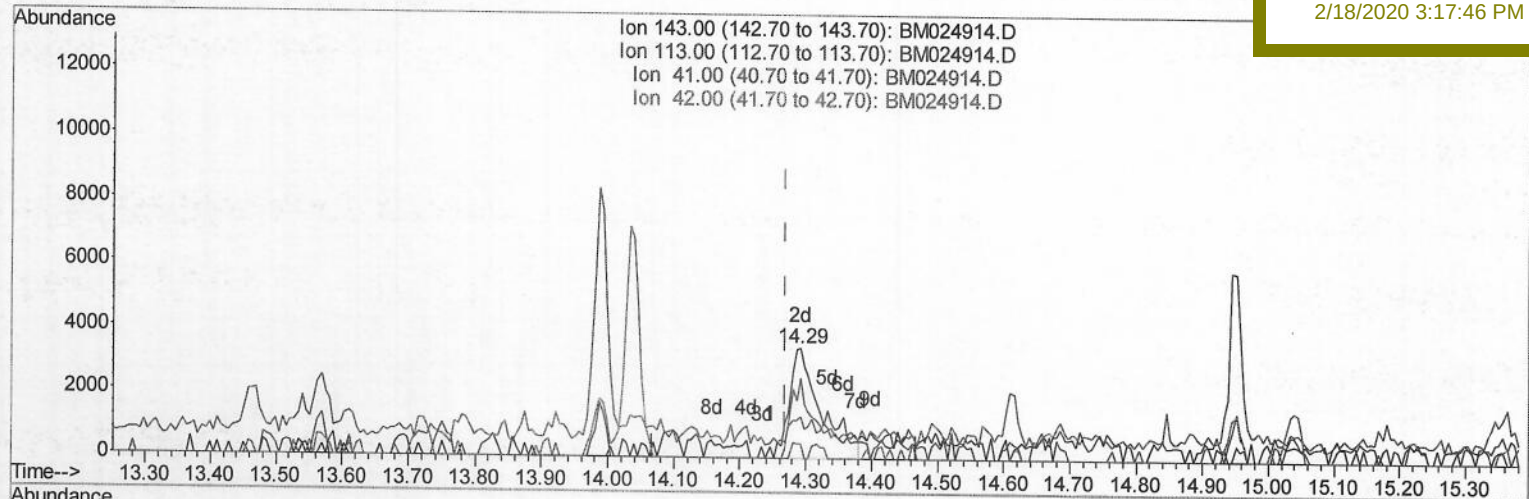
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT42DL

Manual Integrations
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TIC: BM024914.D

(52) 4-Nitrophenol-d4 (S)

14.292min (+0.024) 1.58ng/ul m > JU 02/18/20

response 11604

Ion	Exp%	Act%
143.00	100	100
113.00	71.10	71.71
41.00	26.10	38.05#
42.00	18.80	13.14#

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

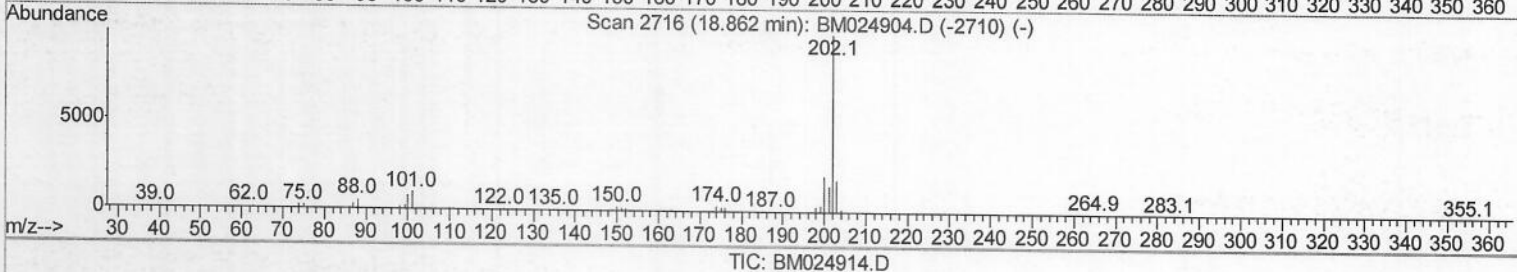
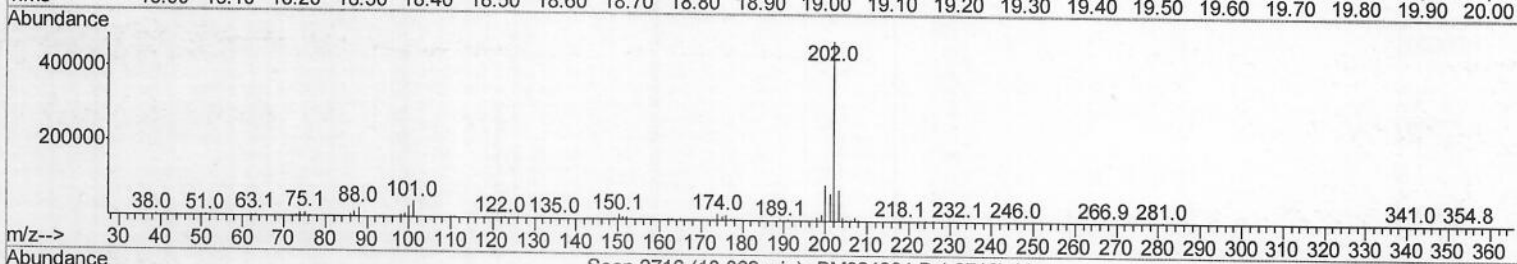
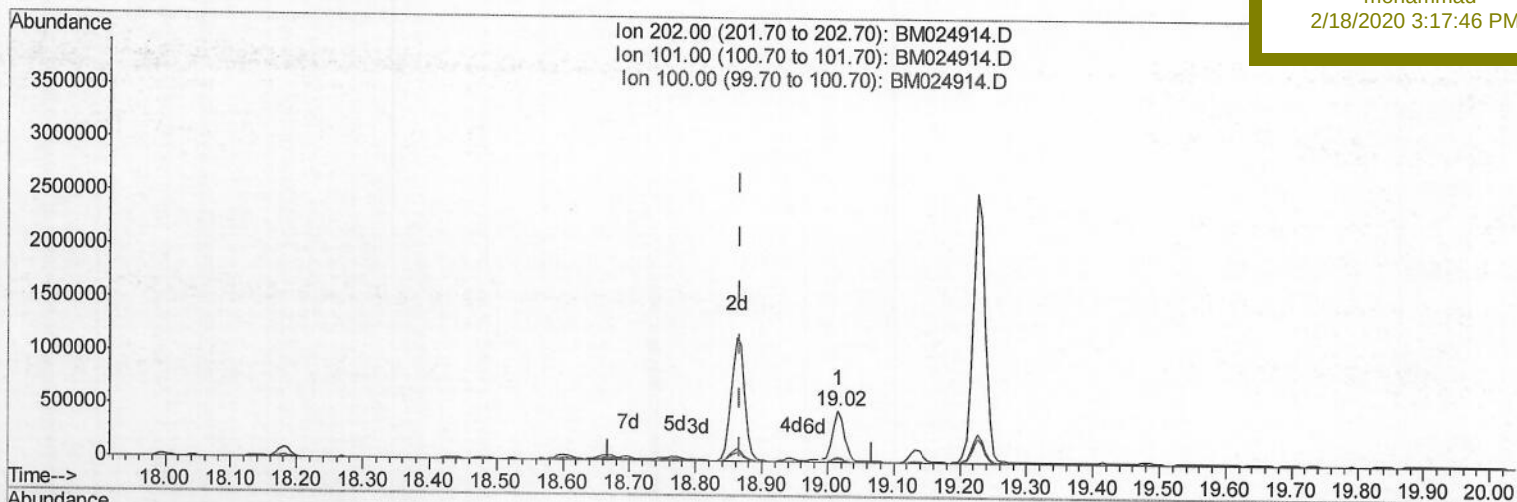
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAT42DL

Manual Integrations
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(77) Fluoranthene (C)

19.015min (+0.147) 6.48ng/ul

response 562750

Ion	Exp%	Act%
202.00	100	100
101.00	7.60	8.77
100.00	6.00	6.35
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :

BNA_M

Client Sampled :

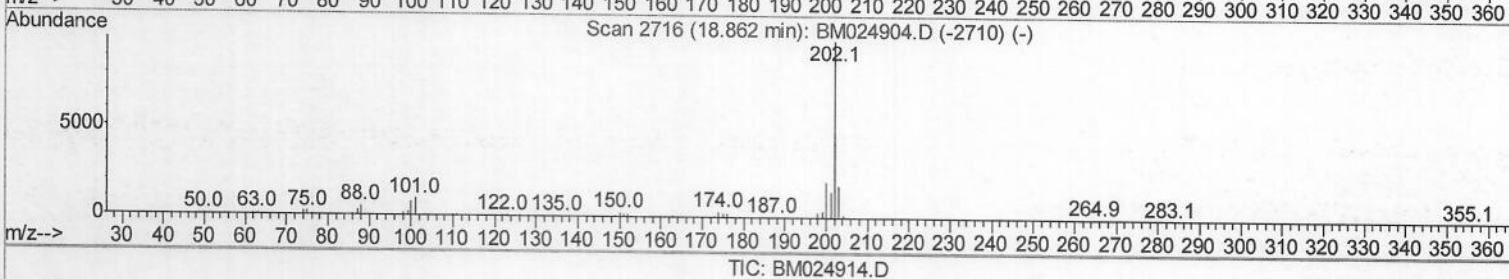
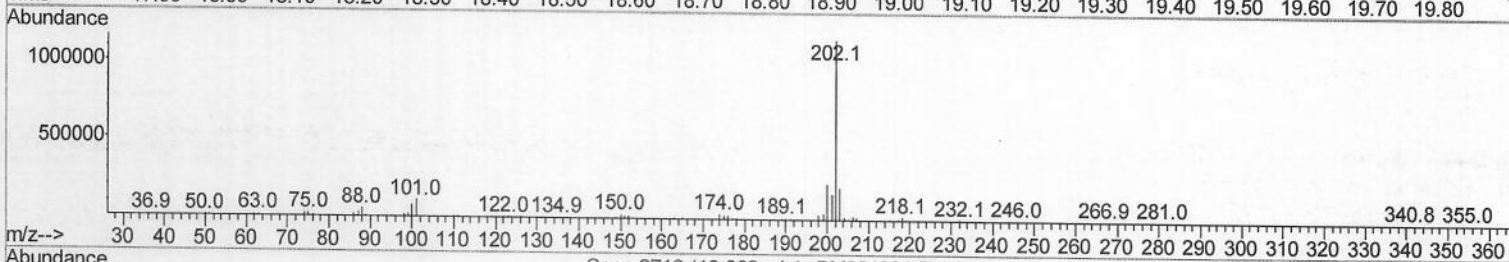
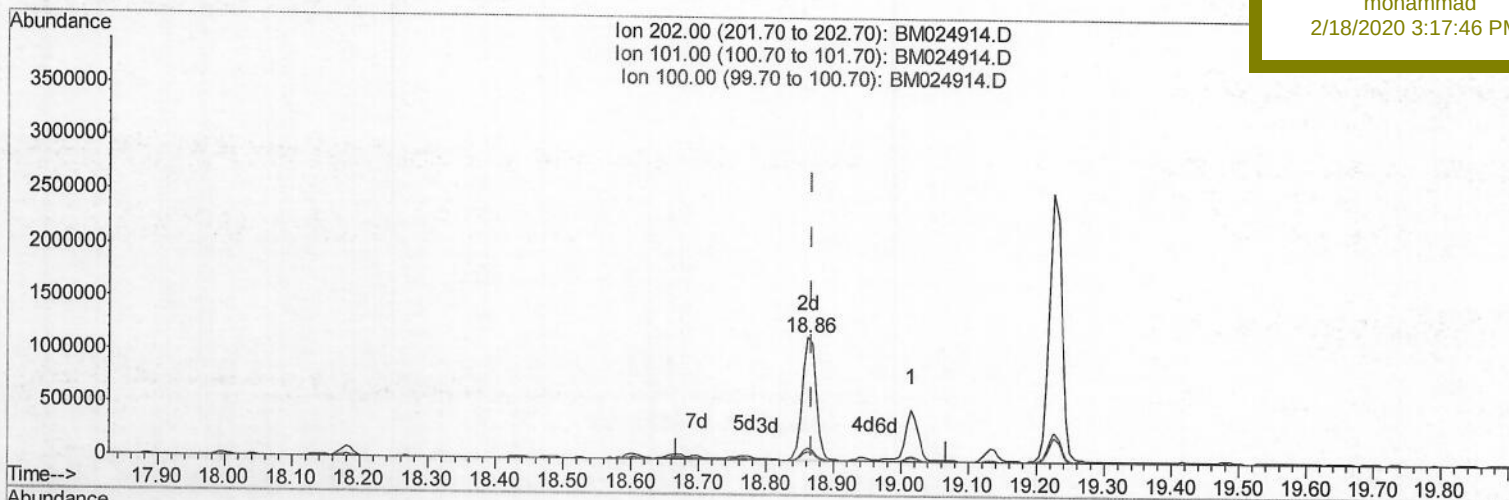
GAT42DL

Manual Integrations

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(77) Fluoranthene (C)

18.862min (-0.006) 18.82ng/ul m >50 02/18/20

response 1634777

Ion	Exp%	Act%
202.00	100	100
101.00	7.60	9.46#
100.00	6.00	7.22#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

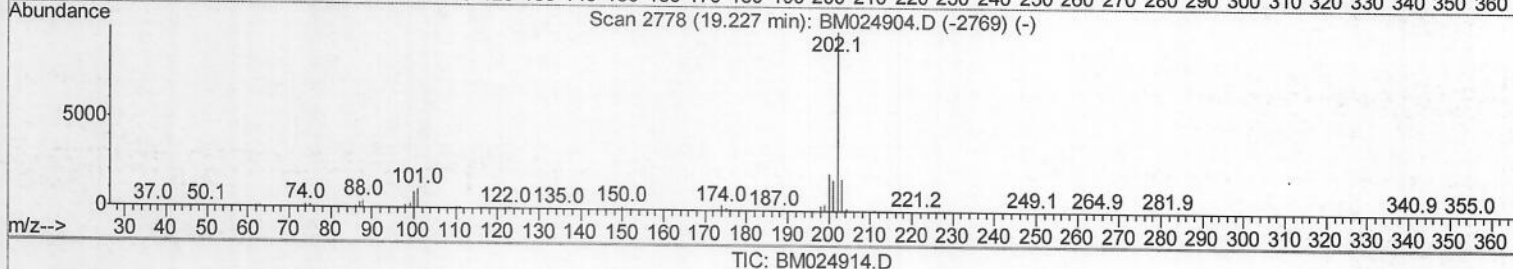
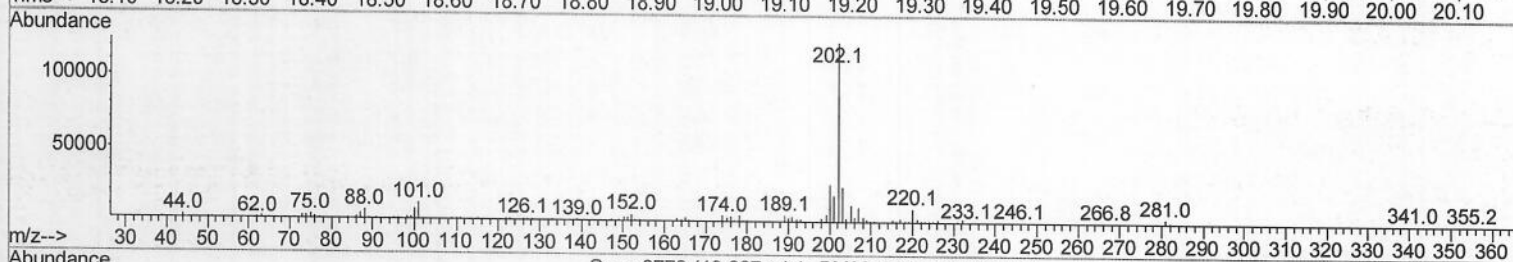
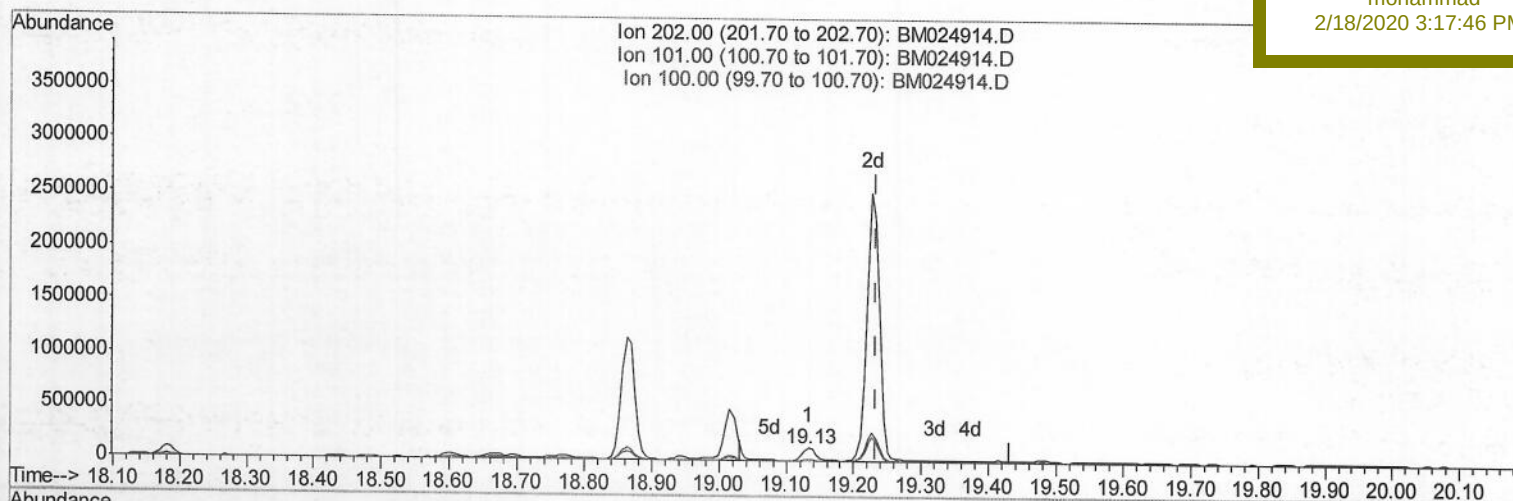
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAT42DL

Manual Integrations
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(80) Pyrene

19.133min (-0.100) 1.73ng/ul

response 167652

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	9.68
100.00	7.30	6.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

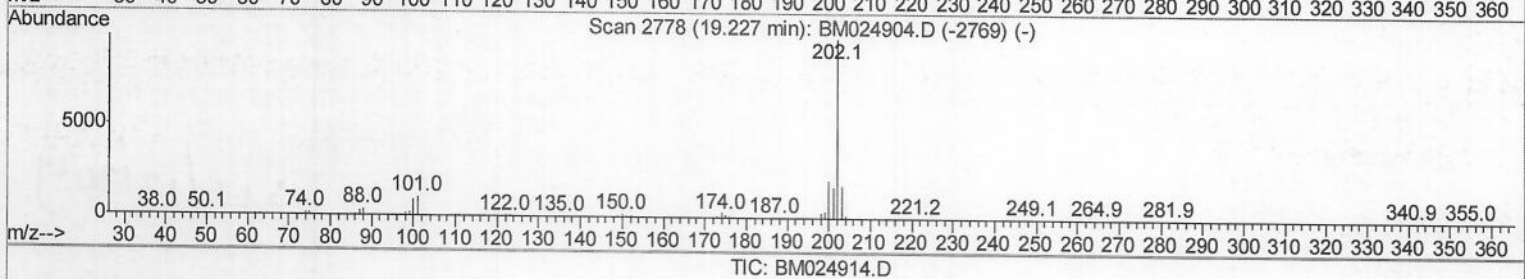
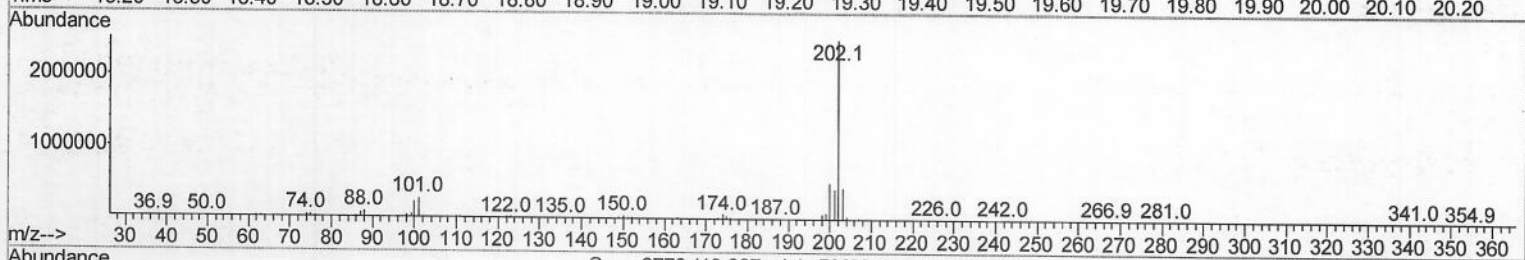
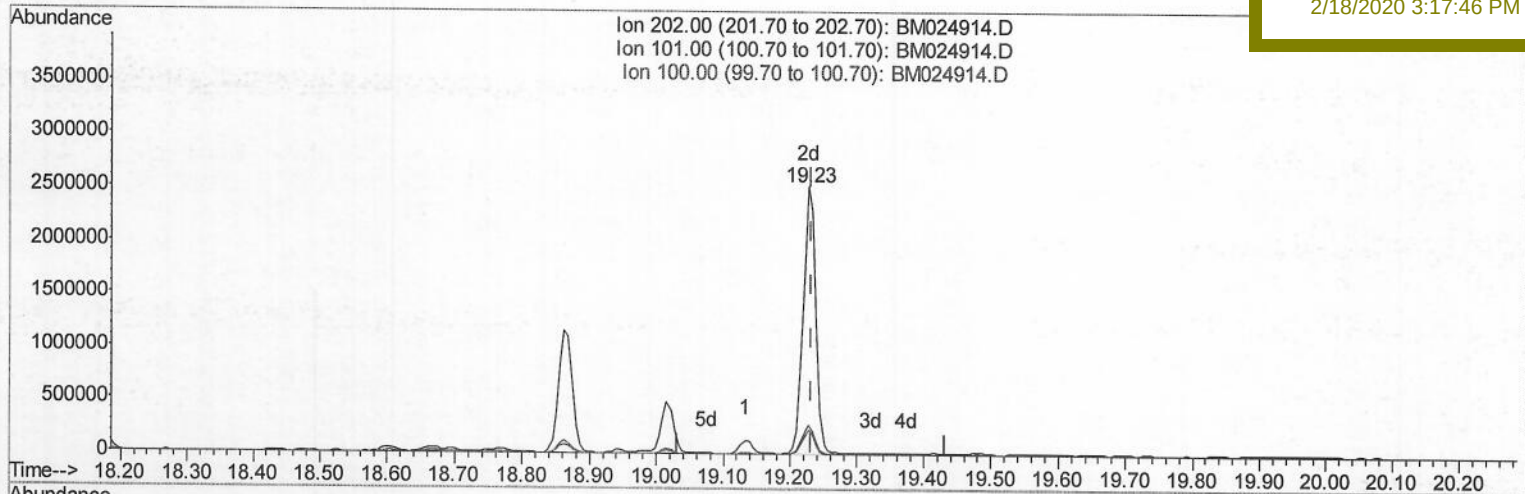
GAT42DL

Manual Integrations

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TIC: BM024914.D

(80) Pyrene

19.227min (-0.006) 34.14ng/ul m>JU 02/18/20

response 3307597

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	11.01#
100.00	7.30	9.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

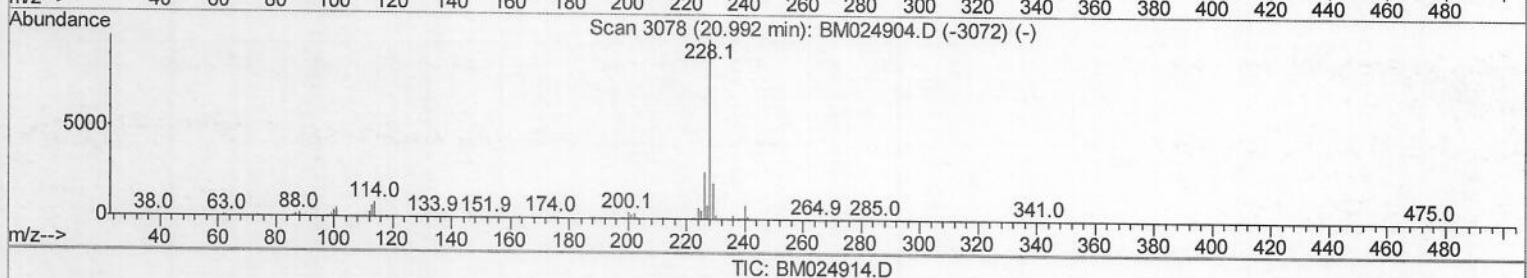
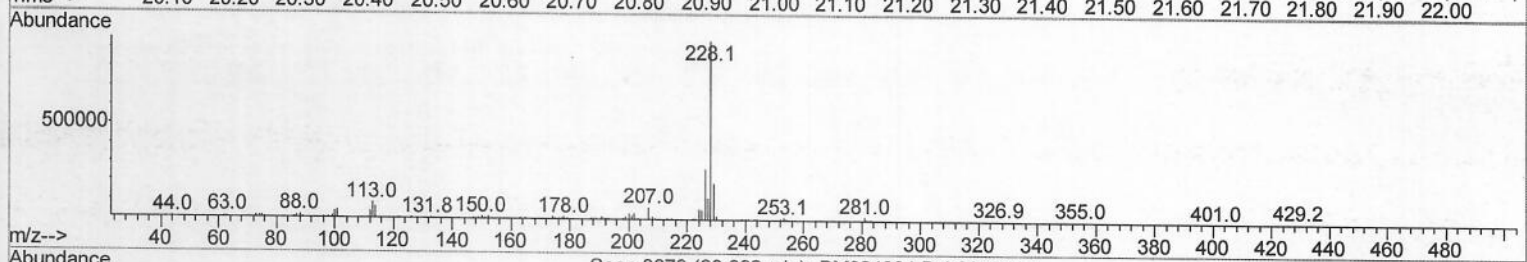
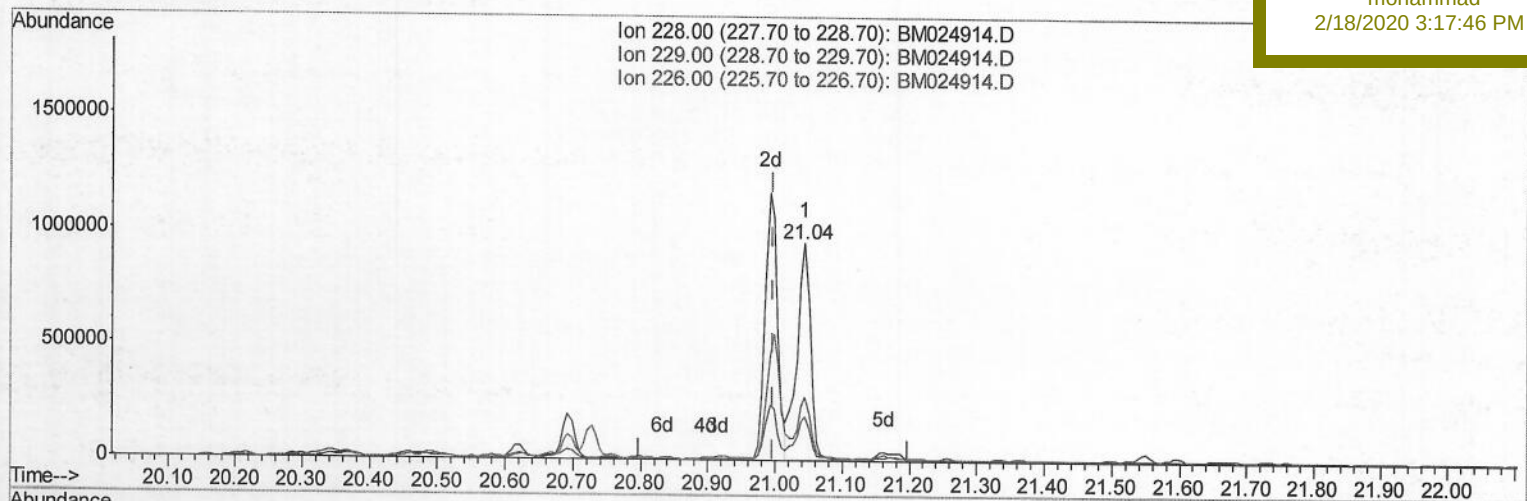
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Manual Integrations

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(83) Benzo(a)anthracene

21.045min (+0.047) 13.17ng/ul

response 1298087

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	20.39
226.00	26.00	29.11
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

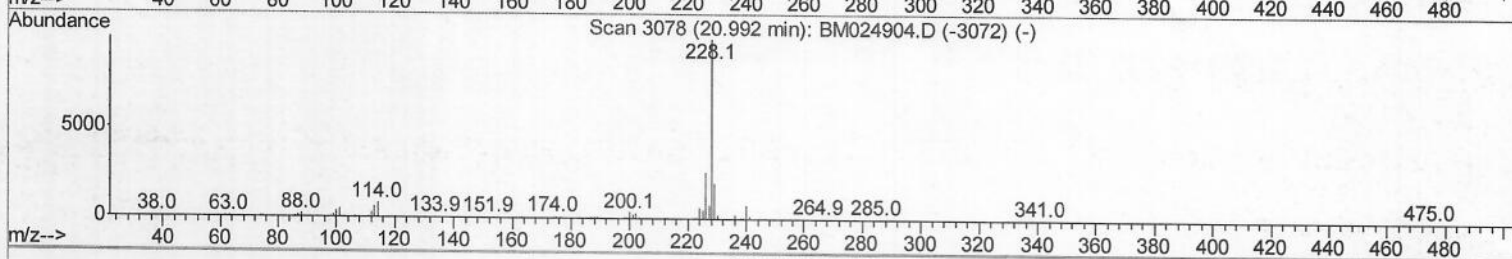
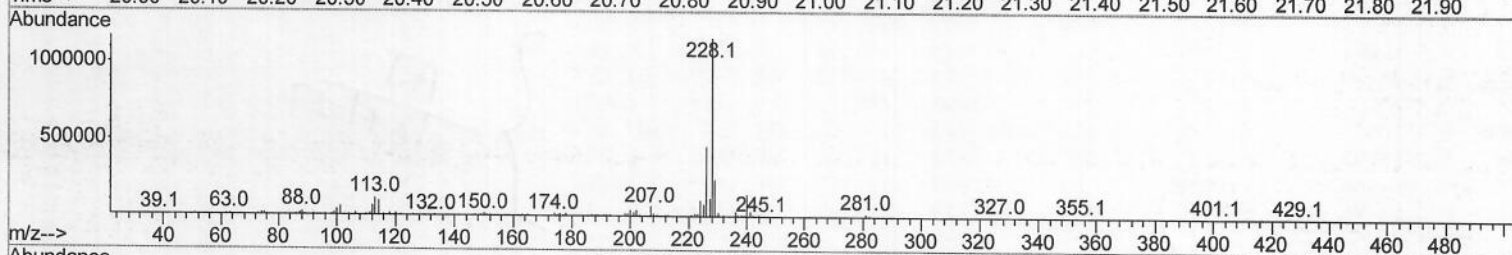
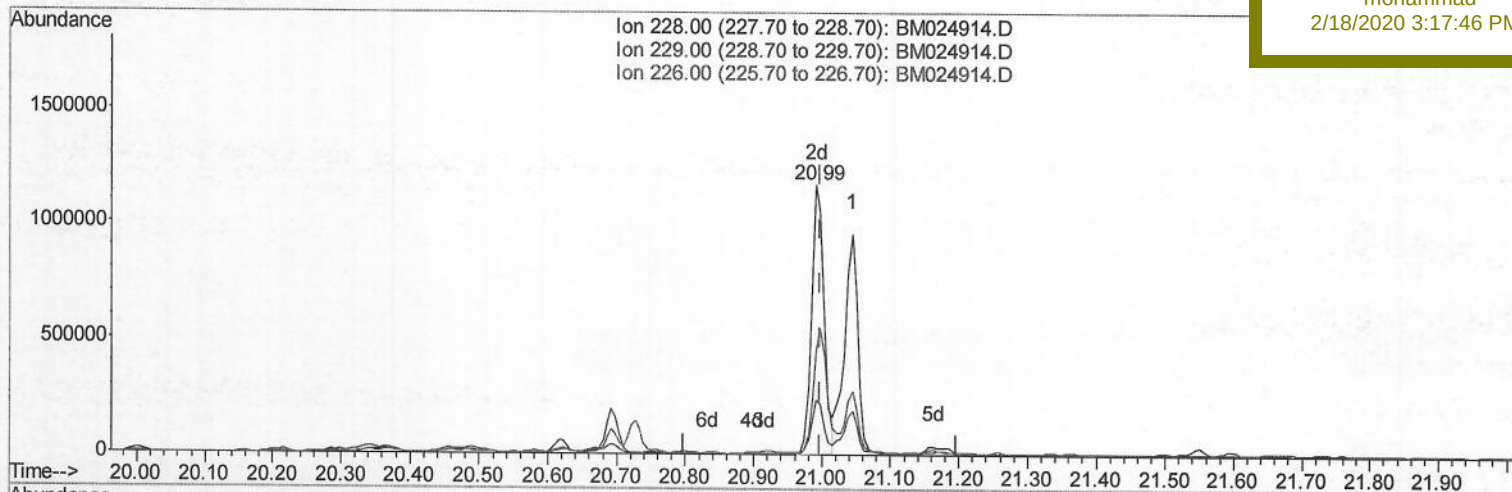
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Manual Integrations

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TIC: BM024914.D

(83) Benzo(a)anthracene

20.992min (-0.006) 15.17ng/ul m > 50 02/18/20

response 1495501

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	20.27
226.00	26.00	38.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

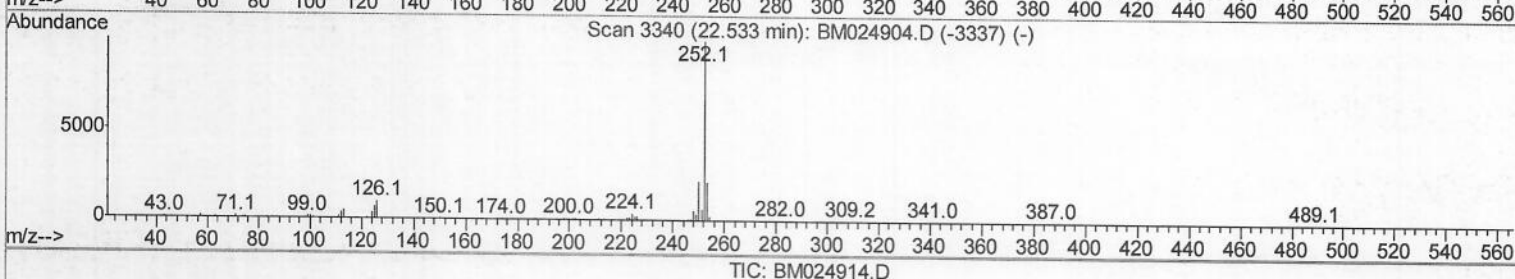
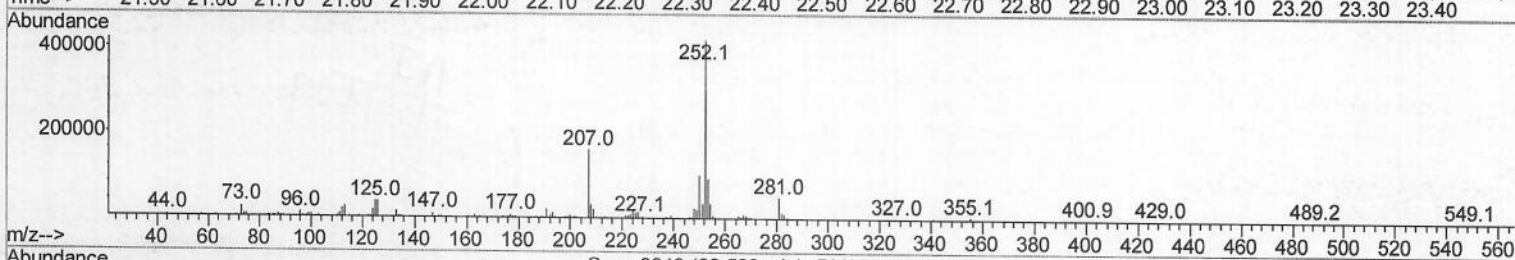
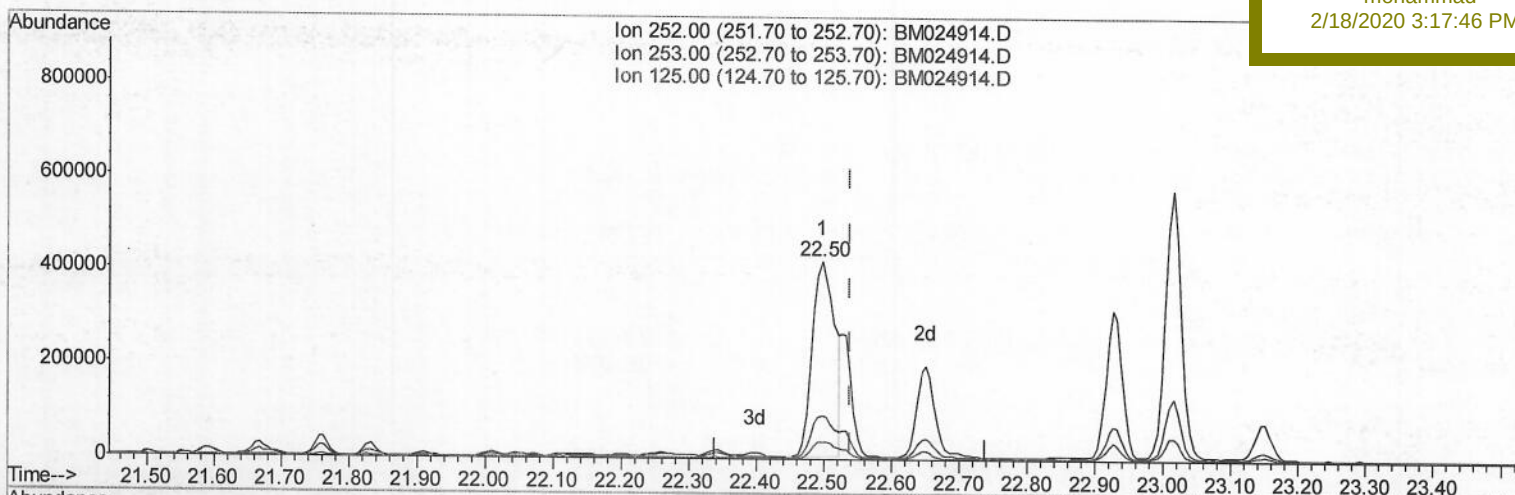
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
 Data File : BM024914.D
 Acq On : 17 Feb 2020 19:53
 Operator : CG/JU
 Sample : L1323-02DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 15 06:02:17 2020
 Response via : Initial Calibration

Instrument :
 BNA_M
ClientSampleId :
 GAT42DL

Manual Integrations
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(89) Benzo(k)fluoranthene
 22.497min (-0.041) 9.83ng/ul
 response 950570

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	21.87
125.00	6.40	8.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

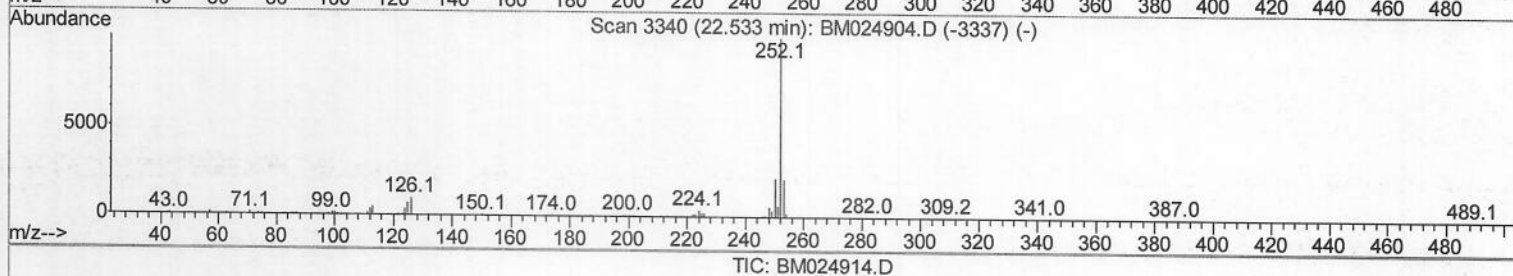
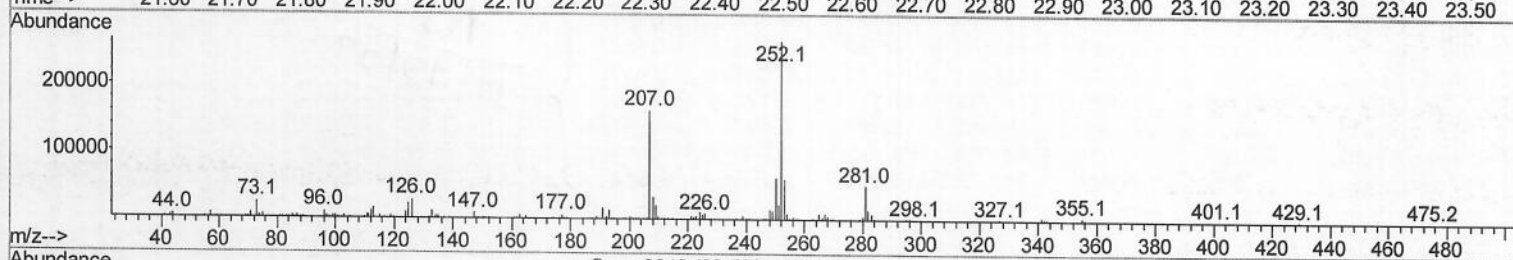
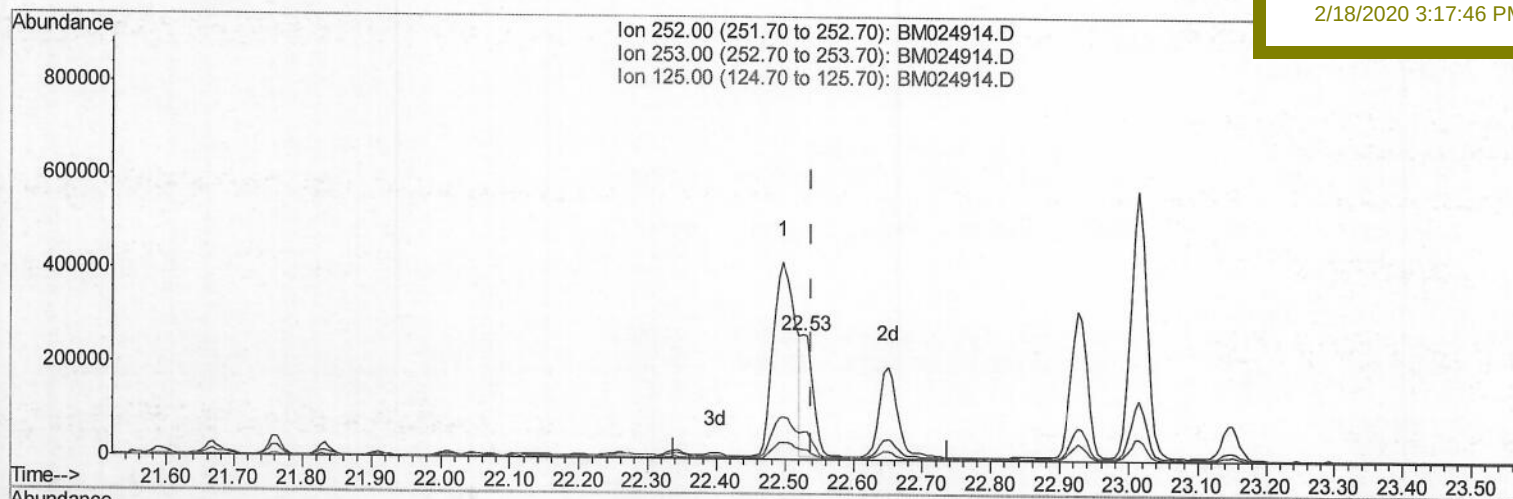
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024914.D
Acq On : 17 Feb 2020 19:53
Operator : CG/JU
Sample : L1323-02DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT42DL

Manual Integrations
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(89) Benzo(k)fluoranthene

22.527min (-0.012) 3.11ng/ul m > 50 02/18/20

response 300989

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.59
125.00	6.40	8.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

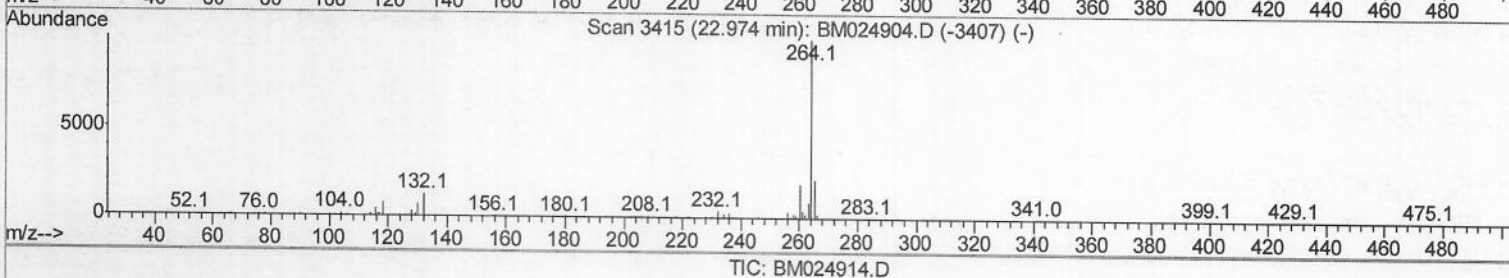
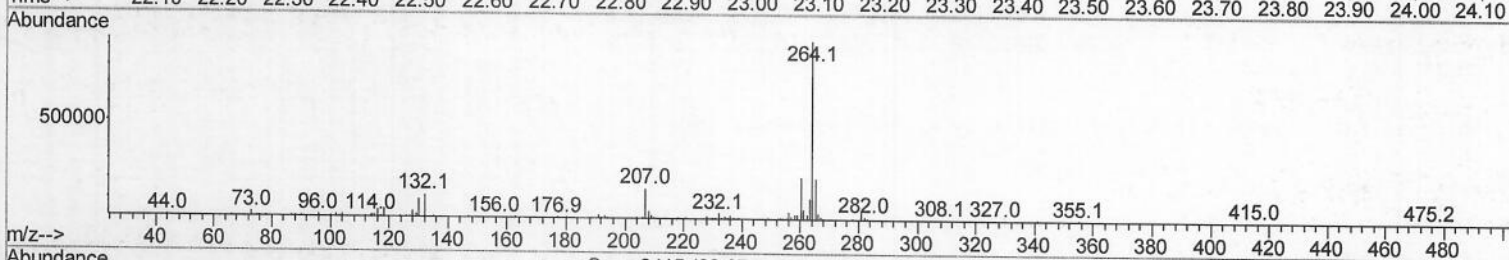
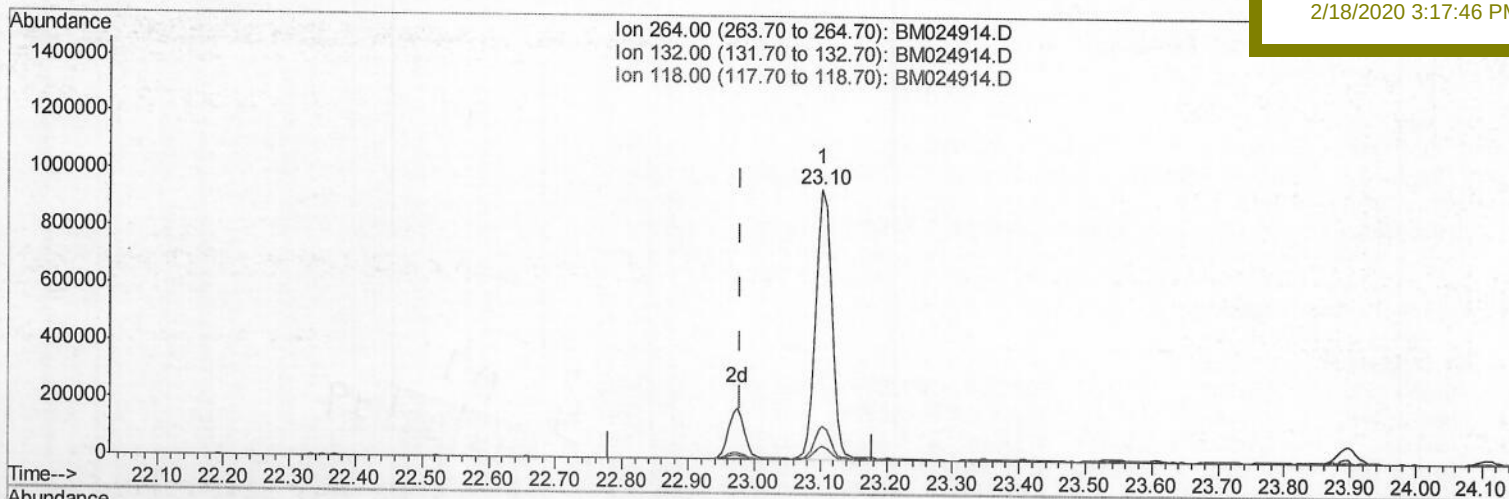
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Manual Integrations

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

23.103min (+0.124) 19.91ng/ul

response 1580349

Ion	Exp%	Act%
264.00	100	100
132.00	11.00	12.42
118.00	6.20	5.10
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\

Data File : BM024914.D

Acq On : 17 Feb 2020 19:53

Operator : CG/JU

Sample : L1323-02DL 5X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 18 00:34:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Feb 15 06:02:17 2020

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

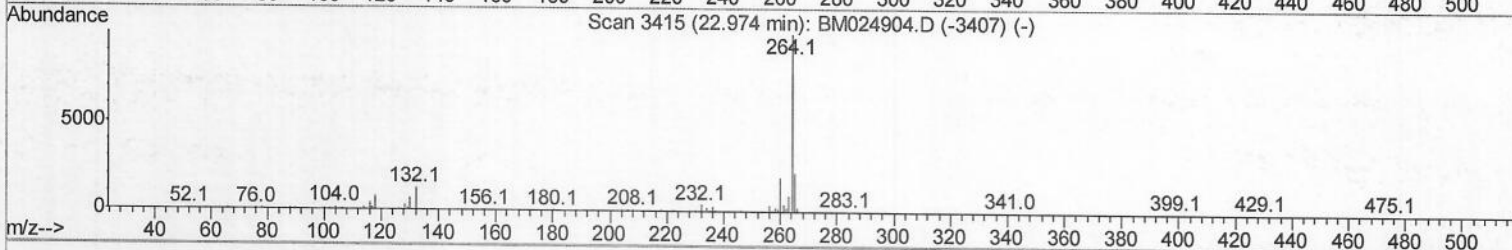
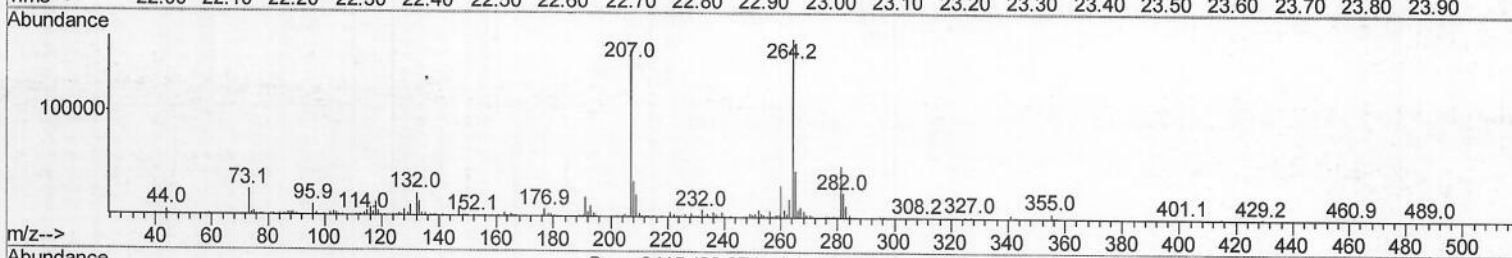
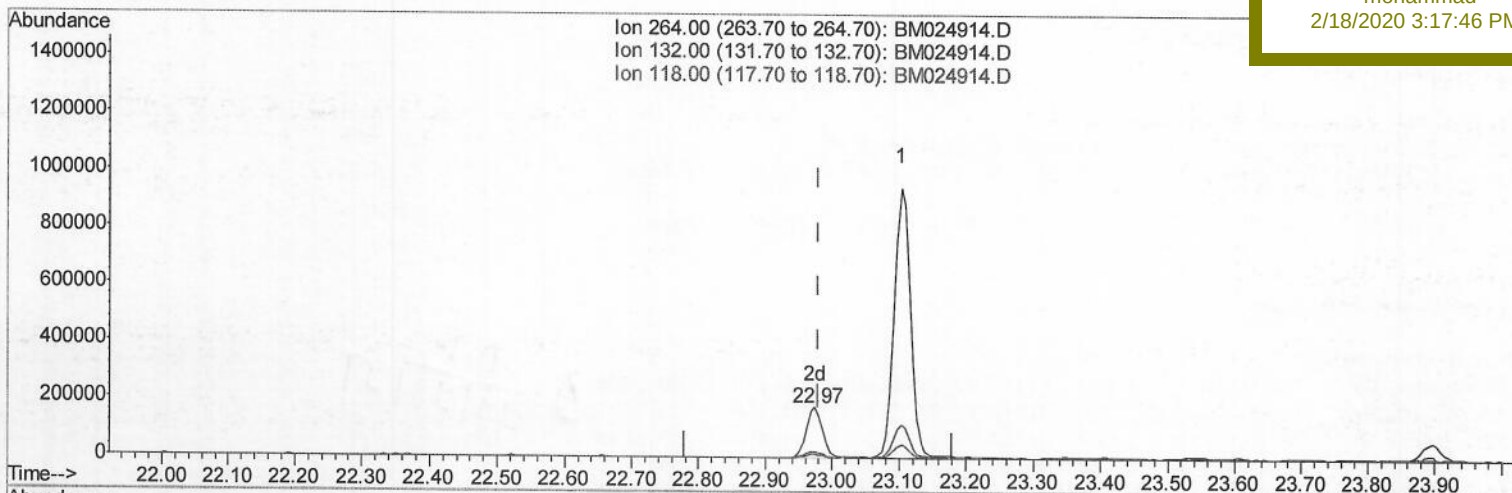
GAT42DL

Manual Integrations

APPROVED

mohammad

2/18/2020 3:17:46 PM



TIC: BM024914.D

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

22.974min (-0.006) 3.71ng/ul m > JU 021 18/20

response 294827

Ion	Exp%	Act%
264.00	100	100
132.00	11.00	12.51
118.00	6.20	7.59#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
 Data File : BM024914.D
 Acq On : 17 Feb 2020 19:53
 Operator : CG/JU
 Sample : L1323-02DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAT42DL

Manual Integrations
 APPROVED

mohammad
 2/18/2020 3:17:46 PM

Quant Time: Feb 18 01:43:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 15 06:02:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	291650	20.00	ng/ul	0.00
18) Naphthalene-d8	10.14	136	1008116	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.04	164	600463	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.79	188	1297631	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	1463807	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	1580349	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	4523	0.75	ng/uL	0.00
5) Phenol-d5	6.59	99	52564	2.71	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.75	67	38287	3.50	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	48585	2.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.11	113	15947	0.98	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	21717	2.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	21587	2.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	36755	2.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	7631m	0.47	ng/ul	0.02 JU 02/18/20
44) Dimethylphthalate-d6	13.46	166	159677	3.52	ng/ul	0.00
47) Acenaphthylene-d8	13.72	160	188060	3.55	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	11604m	1.58	ng/ul	0.02 JU 02/18/20
58) Fluorene-d10	15.04	176	147445	3.67	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	14859	1.76	ng/ul	0.00
71) Anthracene-d10	16.89	188	215750	3.64	ng/ul	0.00
79) Pyrene-d10	19.20	212	271922	3.71	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	294827m	3.71	ng/ul	0.00 JU 02/18/20

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
48) Acenaphthylene	13.75	152	375851	6.855	ng/ul	98
70) Phenanthrene	16.83	178	127514	1.802	ng/ul	98
72) Anthracene	16.93	178	180087	2.510	ng/ul	99
77) Fluoranthene	18.86	202	1634777m	18.822	ng/ul	} JU 02/18/20
80) Pyrene	19.23	202	3307597m	34.136	ng/ul	
83) Benzo(a)anthracene	20.99	228	1495501m	15.167	ng/ul	
85) Chrysene	21.04	228	1298736	13.379	ng/ul	99
88) Benzo(b)fluoranthene	22.50	252	950570	9.459	ng/ul#	98
89) Benzo(k)fluoranthene	22.53	252	300989m	3.112	ng/ul	}
91) Benzo(a)pyrene	23.02	252	918508	10.195	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.14	276	400311	3.569	ng/ul	99
93) Dibenzo(a,h)anthracene	25.16	278	137228	1.436	ng/ul	93
94) Benzo(g,h,i)perylene	25.76	276	347854	3.729	ng/ul	95

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