

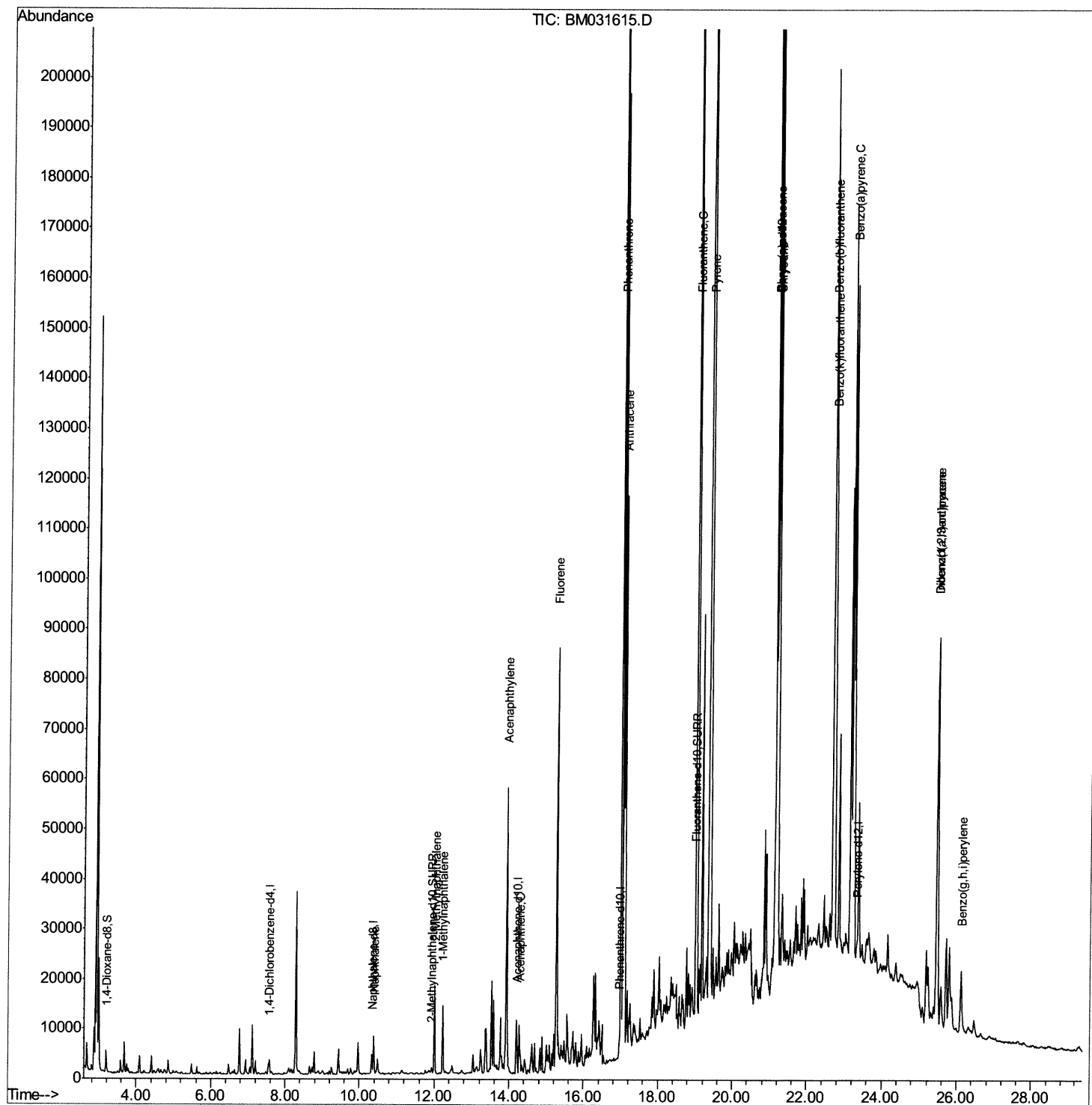
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
Data File : BM031615.D
Acq On : 09 Aug 2021 22:21
Operator : CG/JU
Sample : M3169-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C00C0

Manual Integrations
APPROVED

mohammad
8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:15:58 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 10 02:43:39 2021
Response via : Initial Calibration



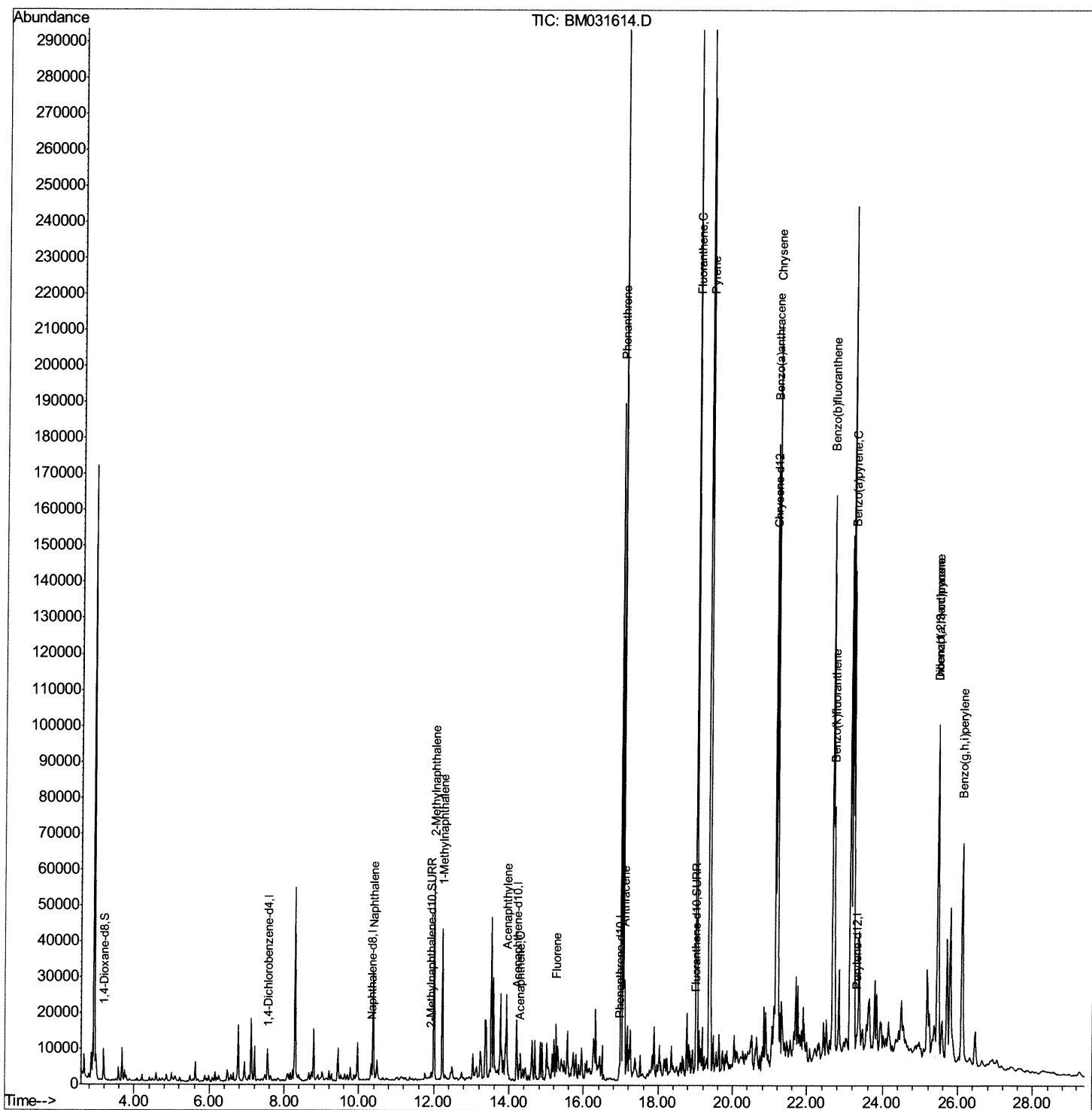
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Data File : BM031614.D
Acq On : 09 Aug 2021 21:44
Operator : CG/JU
Sample : M3169-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C00C0

Manual Integrations
APPROVED

mohammad
8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:05:46 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 10 02:43:39 2021
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Quantitation Report (Qedit)

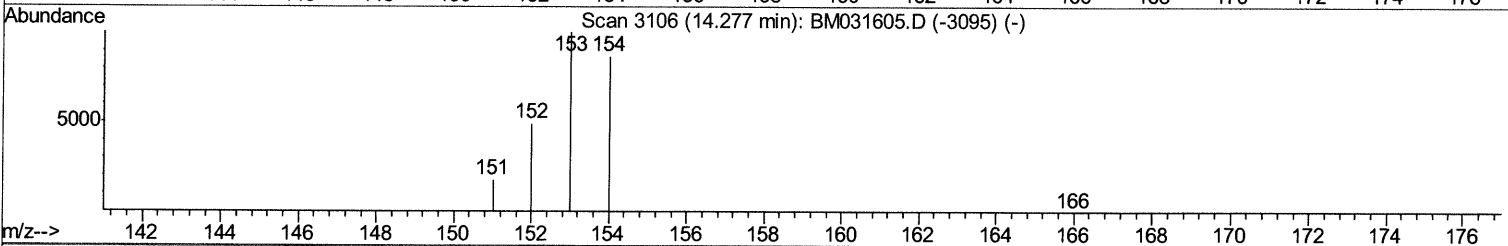
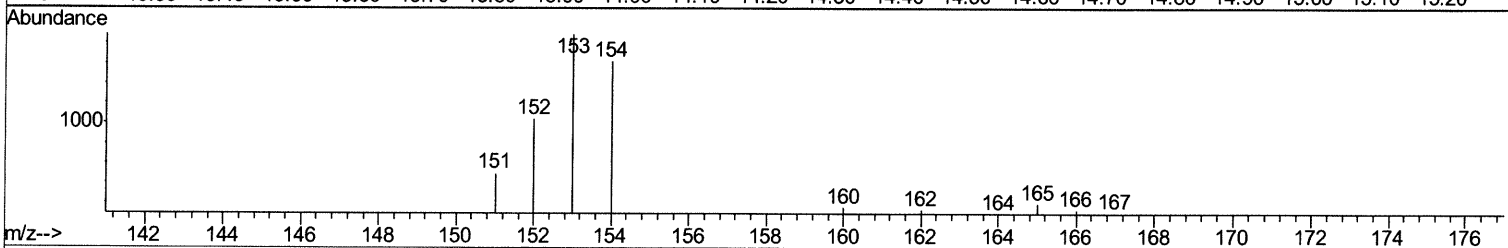
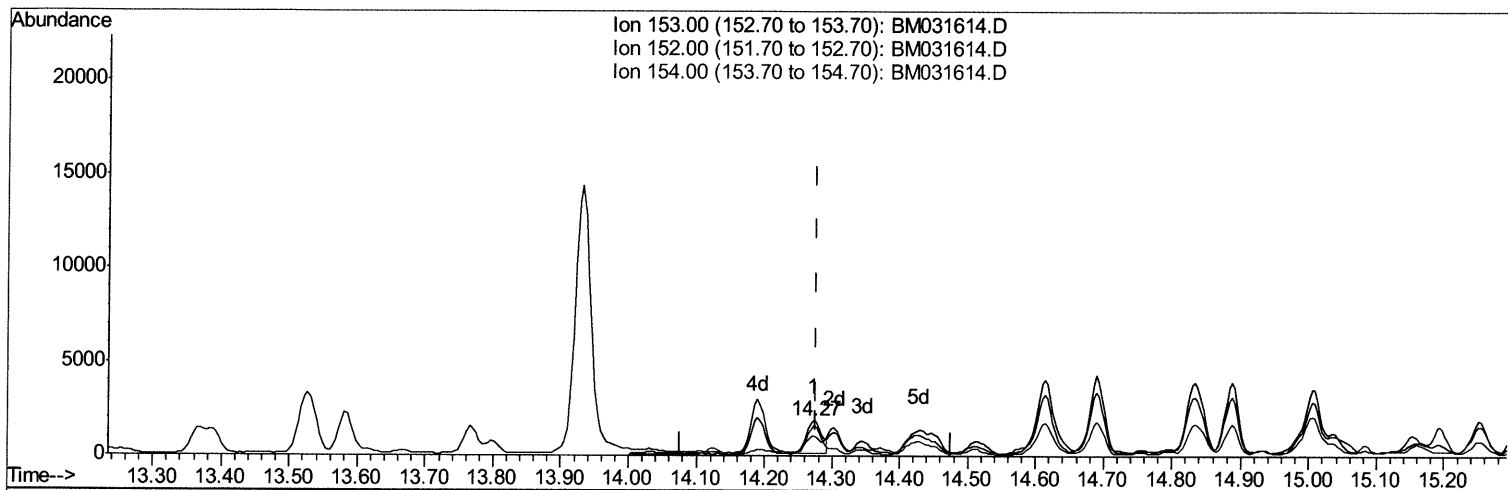
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031614.D
 Acq On : 09 Aug 2021 21:44
 Operator : CG/JU
 Sample : M3169-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:03:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031614.D

(11) Acenaphthene (C)

14.273min (-0.004) 0.23ng/ul

response 2760

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	54.76
154.00	87.70	85.47
0.00	0.00	0.00

Quantitation Report (Qedit)

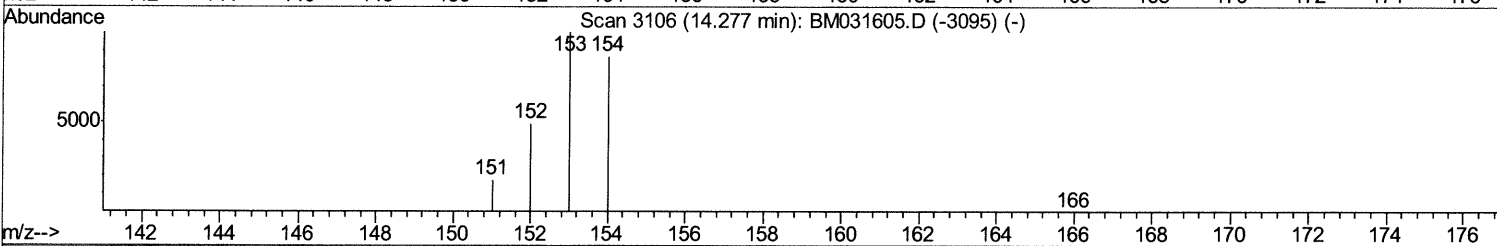
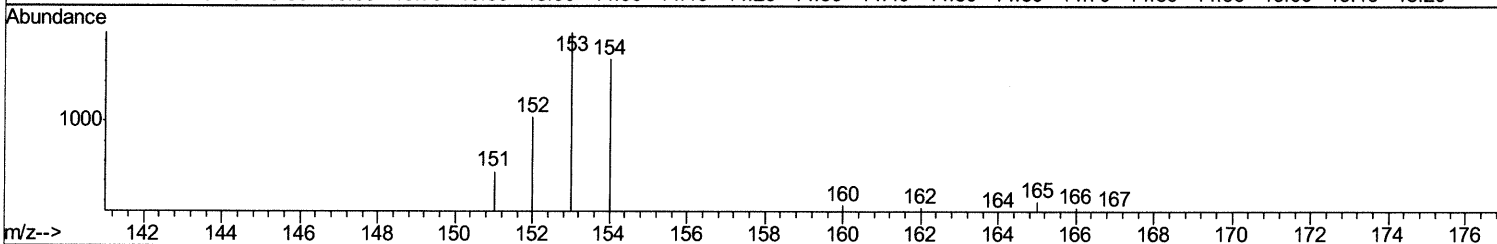
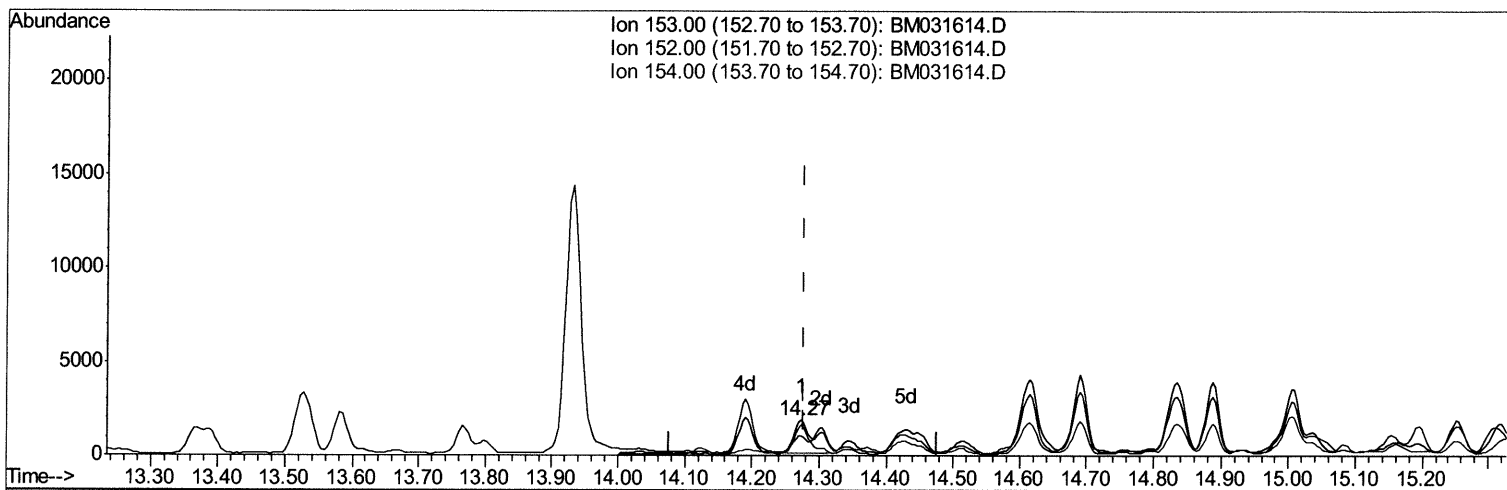
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031614.D
 Acq On : 09 Aug 2021 21:44
 Operator : CG/JU
 Sample : M3169-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:03:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031614.D

(11) Acenaphthene (C)

14.273min (-0.004) 0.34ng/ul m

response 4132

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	54.76
154.00	87.70	85.47
0.00	0.00	0.00

Quantitation Report (Qedit)

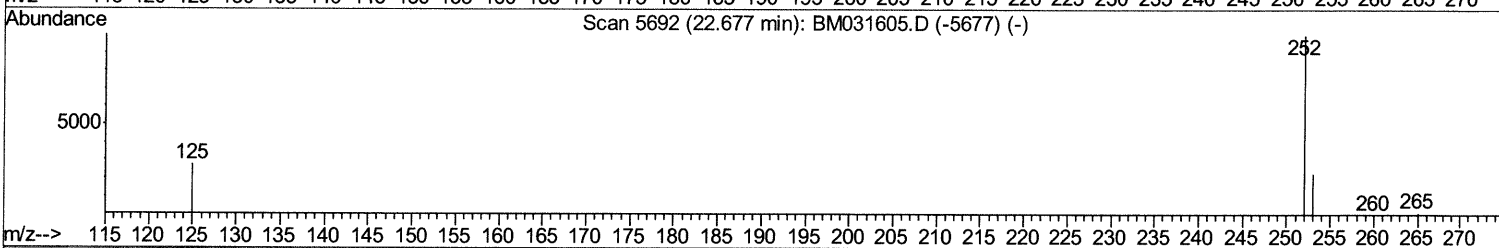
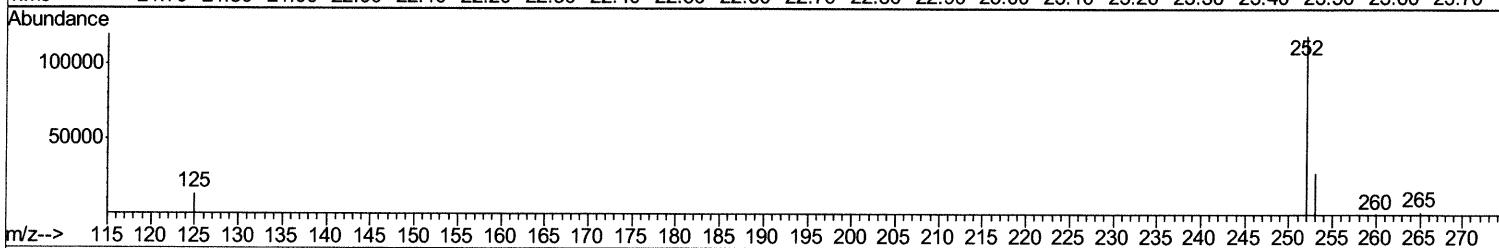
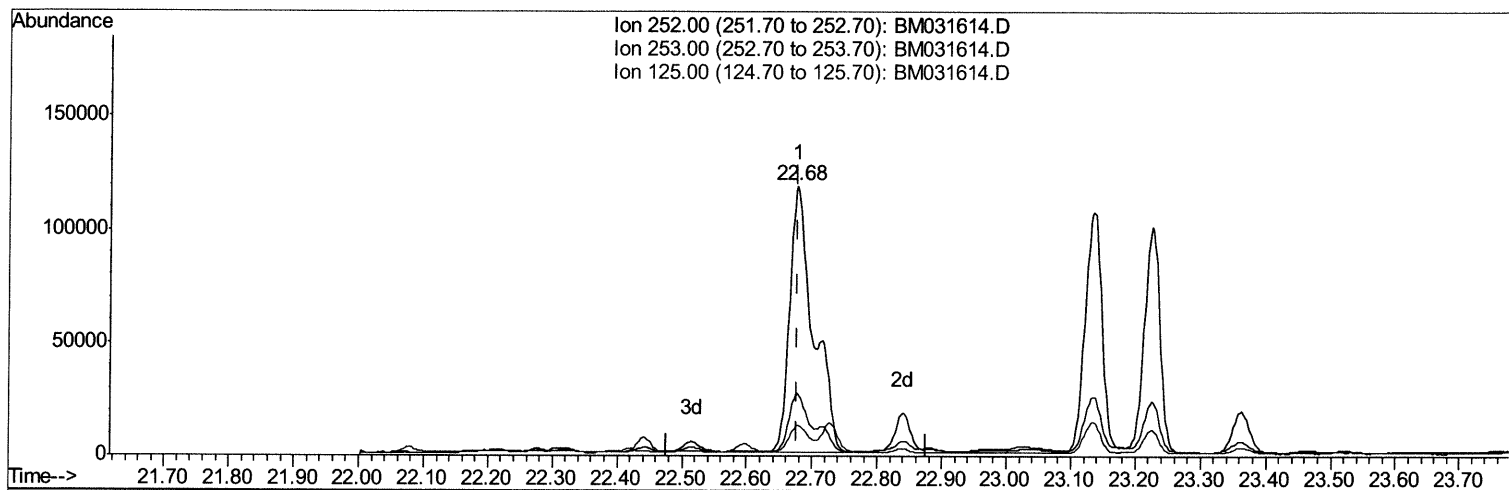
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031614.D
 Acq On : 09 Aug 2021 21:44
 Operator : CG/JU
 Sample : M3169-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:04:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031614.D

(24) Benzo(b)fluoranthene

22.677min (-0.000) 11.24ng/ul

response 297097

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	23.31
125.00	11.40	11.55
0.00	0.00	0.00

Quantitation Report (Qedit)

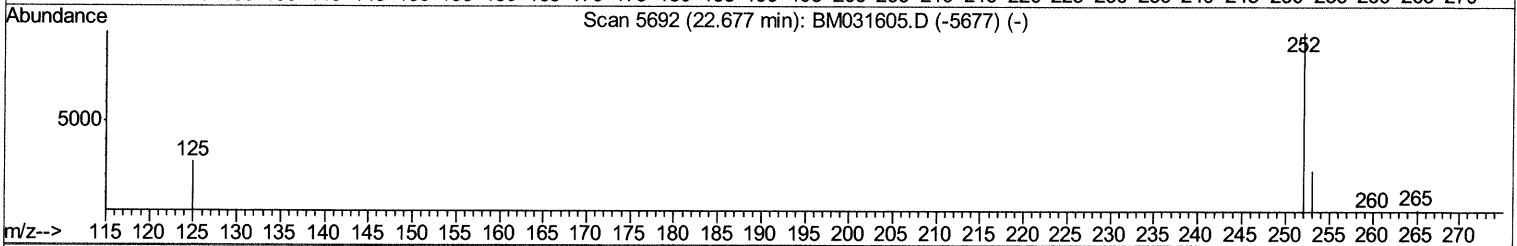
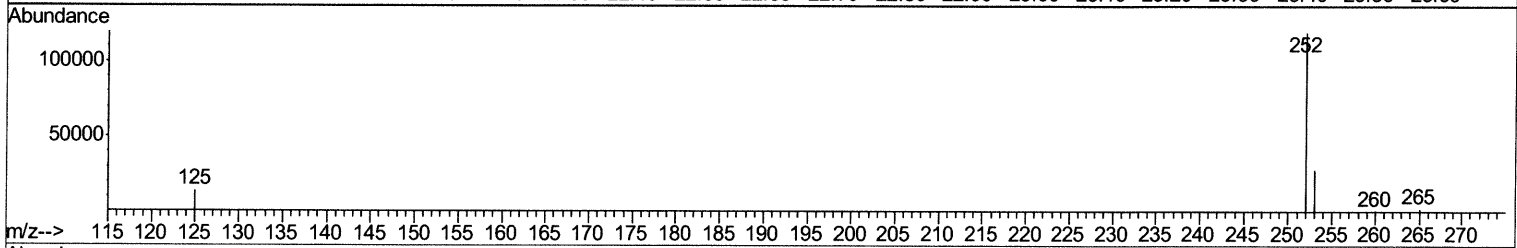
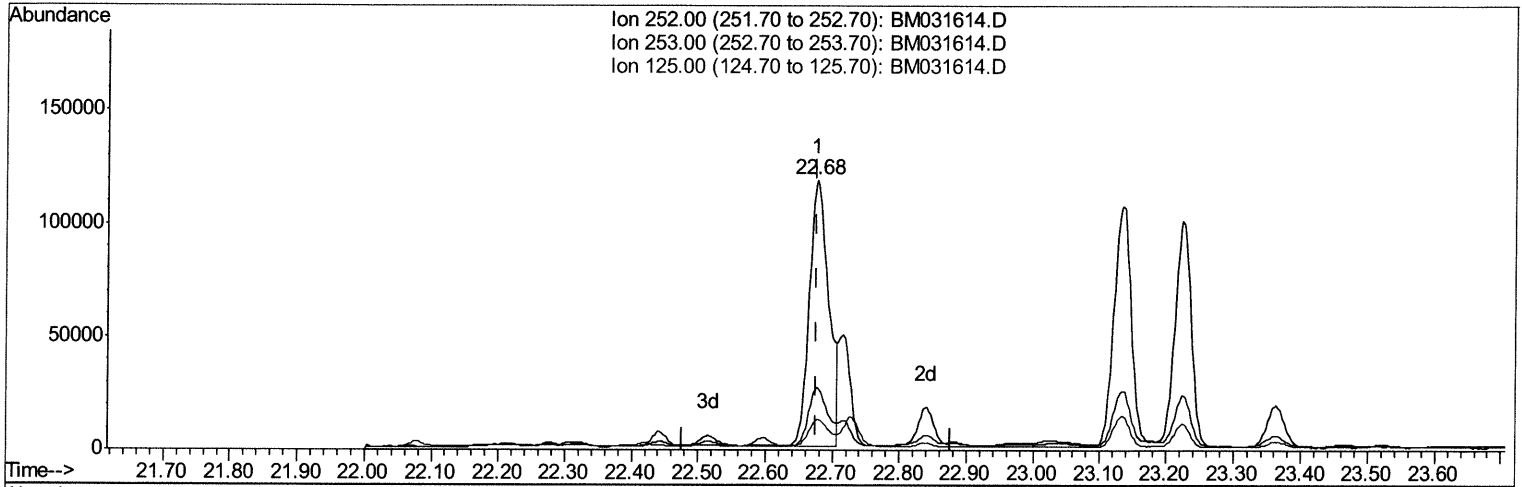
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031614.D
 Acq On : 09 Aug 2021 21:44
 Operator : CG/JU
 Sample : M3169-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:04:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031614.D

(24) Benzo(b)fluoranthene

22.677min (-0.000) 8.86ng/ul m

response 234236

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	23.31
125.00	11.40	11.55
0.00	0.00	0.00

Quantitation Report (Qedit)

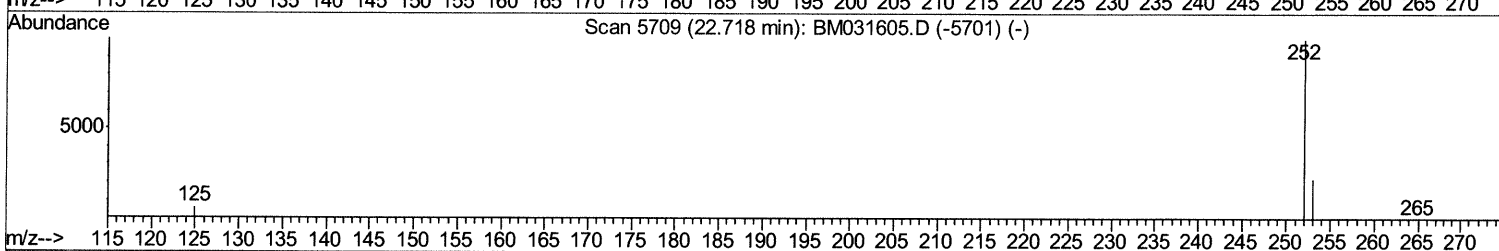
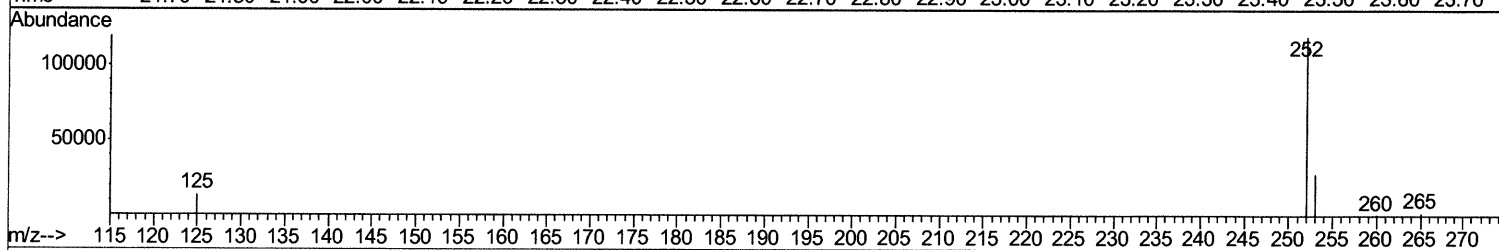
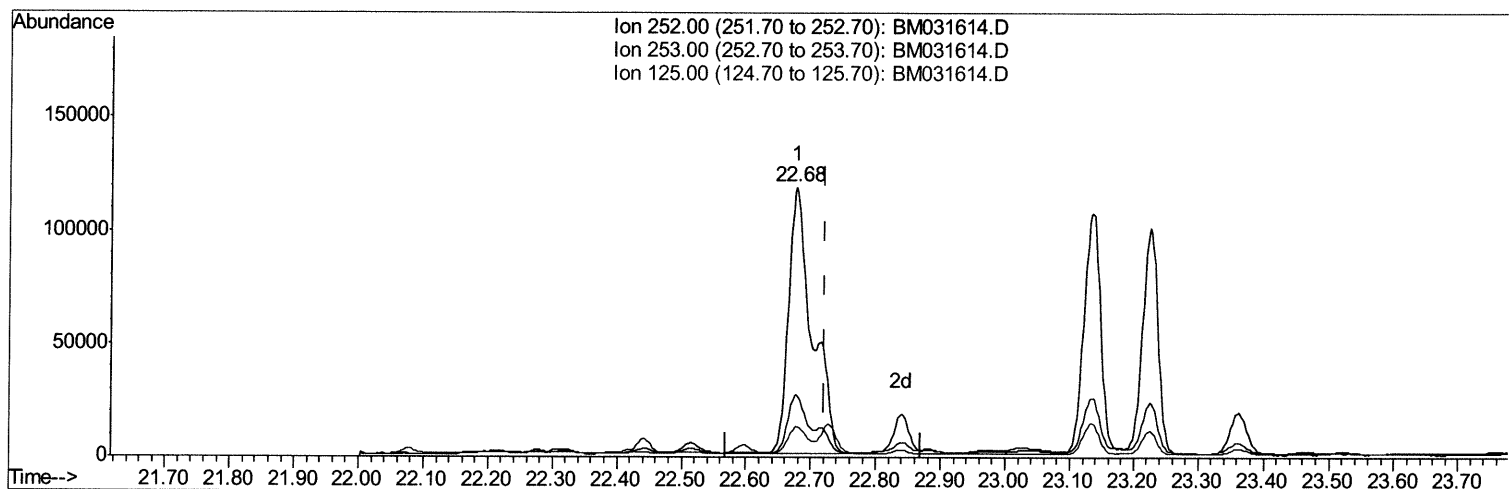
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
Data File : BM031614.D
Acq On : 09 Aug 2021 21:44
Operator : CG/JU
Sample : M3169-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C00C0

Manual Integrations
APPROVED

mohammad
8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:05:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 10 02:43:39 2021
Response via : Initial Calibration



TIC: BM031614.D

(25) Benzo(k)fluoranthene

22.677min (-0.044) 10.88ng/ul

response 297097

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.31
125.00	11.00	11.55
0.00	0.00	0.00

Quantitation Report (Qedit)

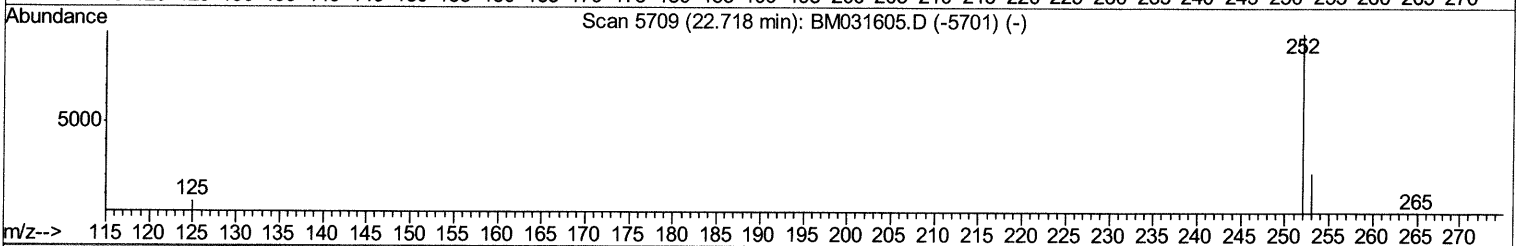
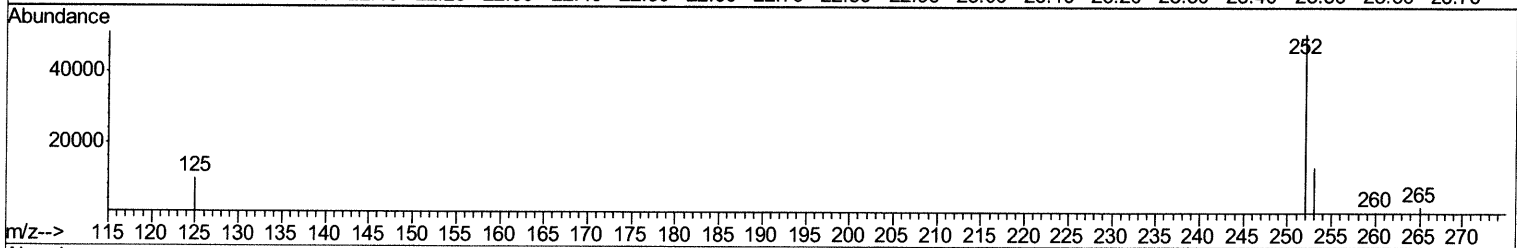
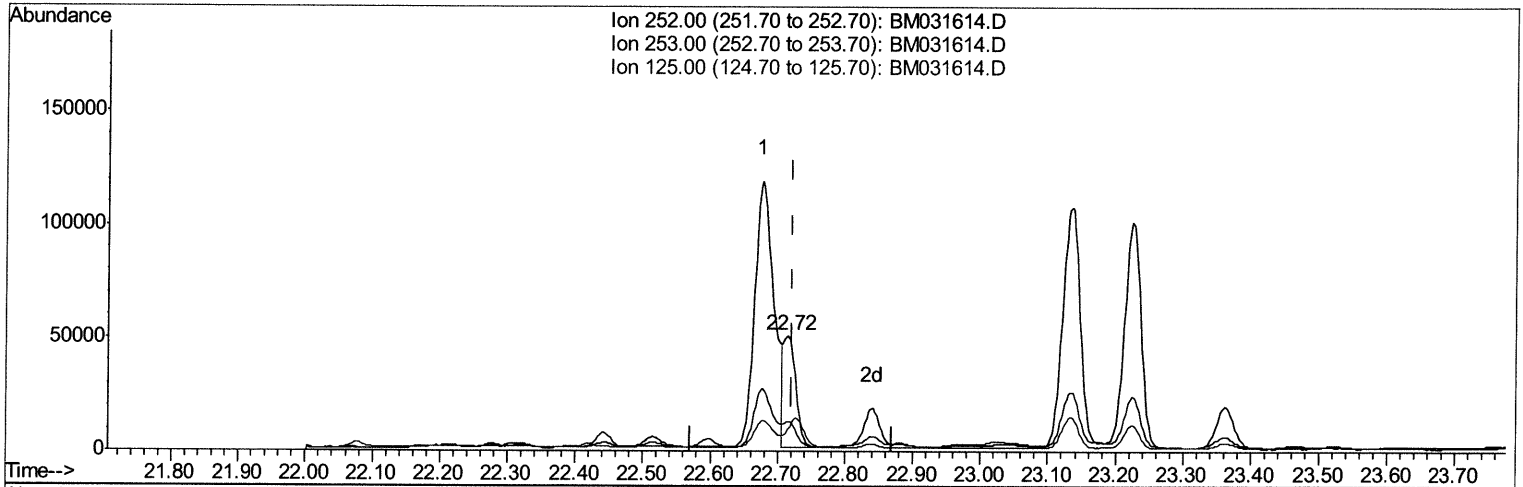
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031614.D
 Acq On : 09 Aug 2021 21:44
 Operator : CG/JU
 Sample : M3169-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:05:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
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 Response via : Initial Calibration



TIC: BM031614.D

(25) Benzo(k)fluoranthene

22.716min (-0.005) 2.32ng/ul m

response 63452

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	25.89
125.00	11.00	19.38#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031614.D
 Acq On : 09 Aug 2021 21:44
 Operator : CG/JU
 Sample : M3169-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:05:46 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1227	0.40	ng/ul	0.00
4) Naphthalene-d8	10.34	136	4697	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.21	164	3389	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.96	188	5503	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	4367	0.40	ng/ul	0.00
23) Perylene-d12	23.32	264	5866	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.19	96	5352	3.93	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	2564	0.32	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	4929	0.34	ng/ul	0.00
Target Compounds						
					Ovalue	
5) Naphthalene	10.39	128	38954	2.784	ng/ul	98
7) 2-Methylnaphthalene	12.01	142	37194	3.891	ng/ul	100
8) 1-Methylnaphthalene	12.23	142	27621	2.924	ng/ul	99
10) Acenaphthylene	13.93	152	23825	1.651	ng/ul	100
11) Acenaphthene	14.27	153	4132m	0.340	ng/ul	97
12) Fluorene	15.27	166	6945	0.497	ng/ul#	81
15) Phenanthrene	17.00	178	190395	10.896	ng/ul	97
16) Anthracene	17.09	178	29732	1.817	ng/ul	99
19) Fluoranthene	19.02	202	257641	13.816	ng/ul#	96
20) Pyrene	19.39	202	224817	11.887	ng/ul	97
21) Benzo(a)anthracene	21.14	228	132921	7.538	ng/ul#	90
22) Chrysene	21.19	228	209238	11.468	ng/ul#	96
24) Benzo(b)fluoranthene	22.68	252	234236m	8.863	ng/ul	97
25) Benzo(k)fluoranthene	22.72	252	63452m	2.324	ng/ul	91
26) Benzo(a)pyrene	23.22	252	169031	7.303	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	25.46	276	117308	3.921	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.46	278	66415	2.754	ng/ul#	98
29) Benzo(g,h,i)perylene	26.11	276	121466	4.759	ng/ul	

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

Quantitation Report (Qedit)

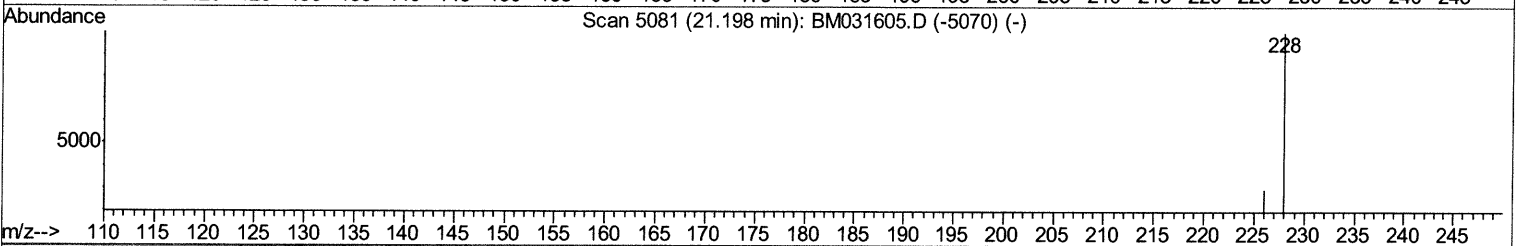
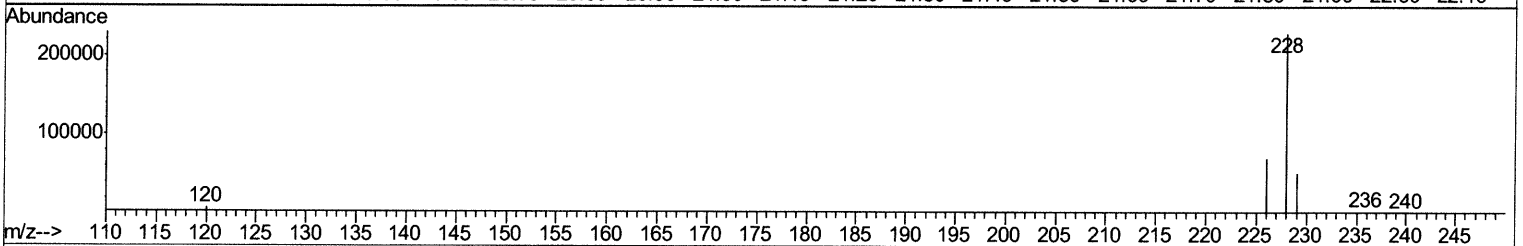
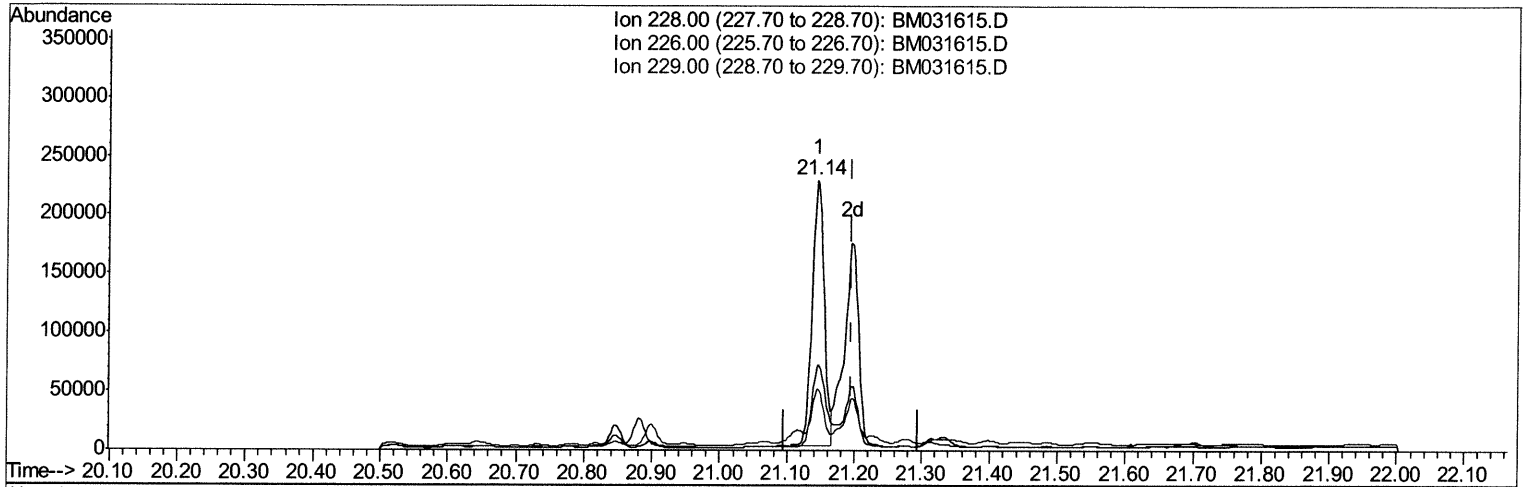
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031615.D
 Acq On : 09 Aug 2021 22:21
 Operator : CG/JU
 Sample : M3169-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 02:55:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031615.D

(22) Chrysene

21.144min (-0.051) 13.62ng/ul

response 274565

Ion	Exp%	Act%
228.00	100	100
226.00	30.90	30.96
229.00	20.20	22.68
0.00	0.00	0.00

Quantitation Report (Qedit)

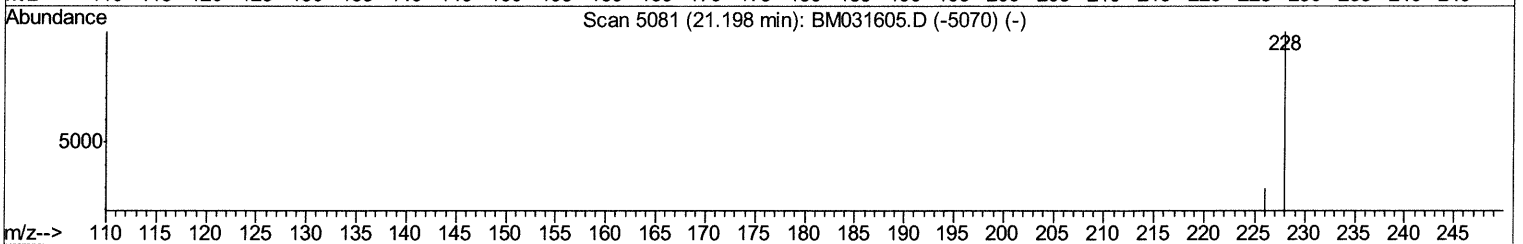
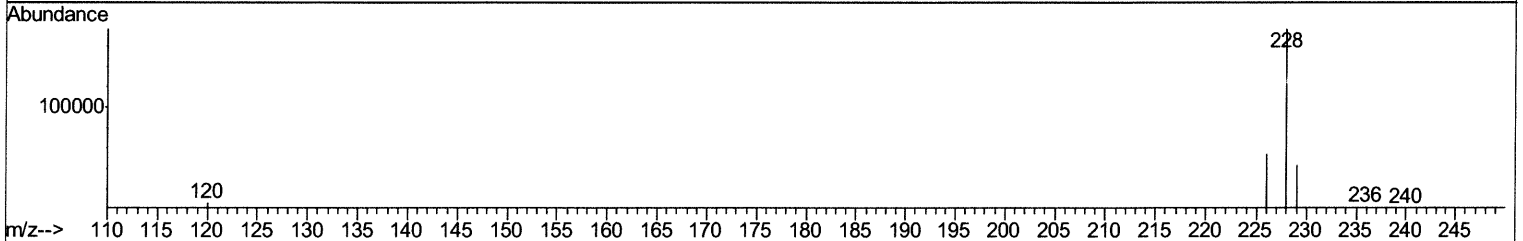
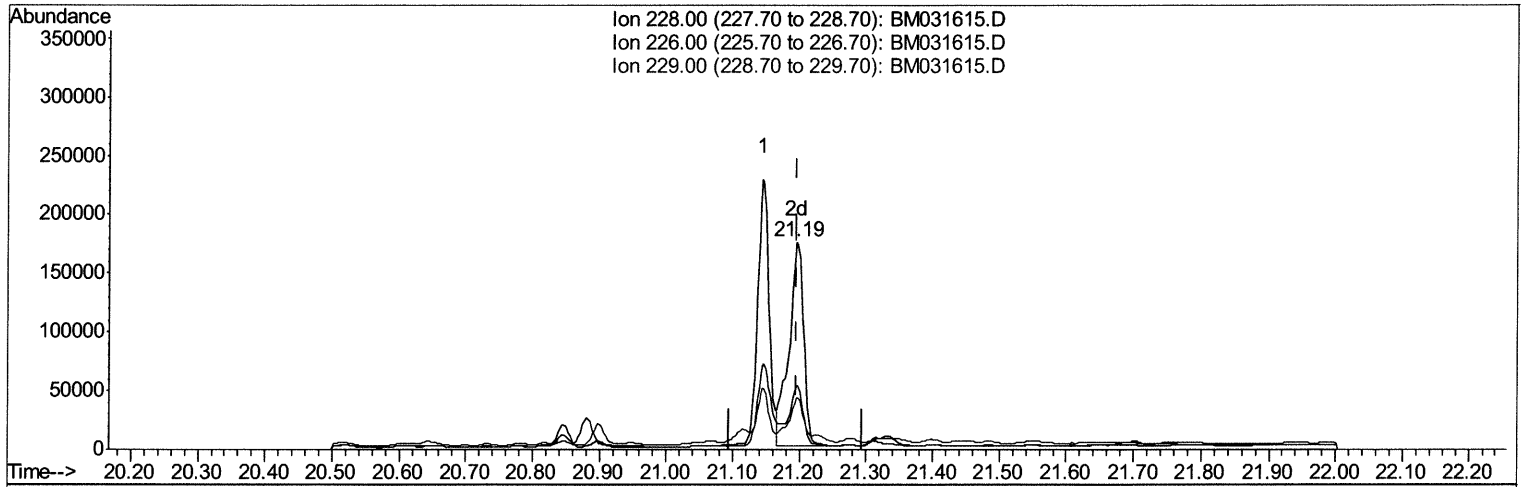
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031615.D
 Acq On : 09 Aug 2021 22:21
 Operator : CG/JU
 Sample : M3169-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampled :
 C00C0

Manual Integrations
APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 02:55:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031615.D

(22) Chrysene

21.195min (-0.000) 13.15ng/ul m

response 264986

JU 8/10/21

Ion	Exp%	Act%
228.00	100	100
226.00	30.90	30.81
229.00	20.20	24.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

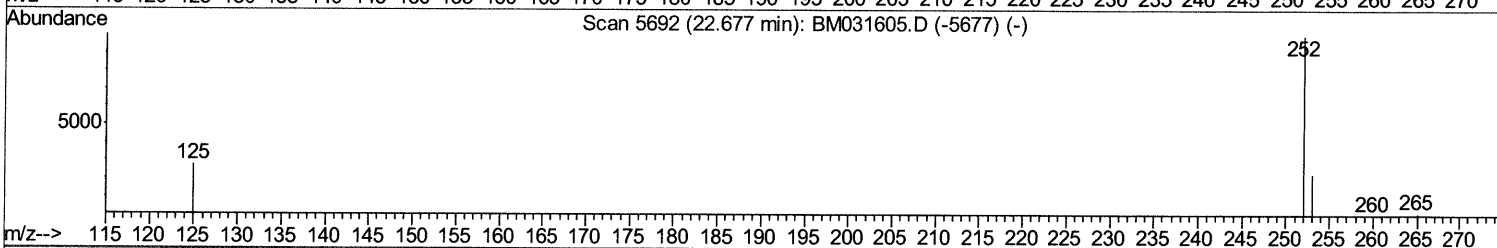
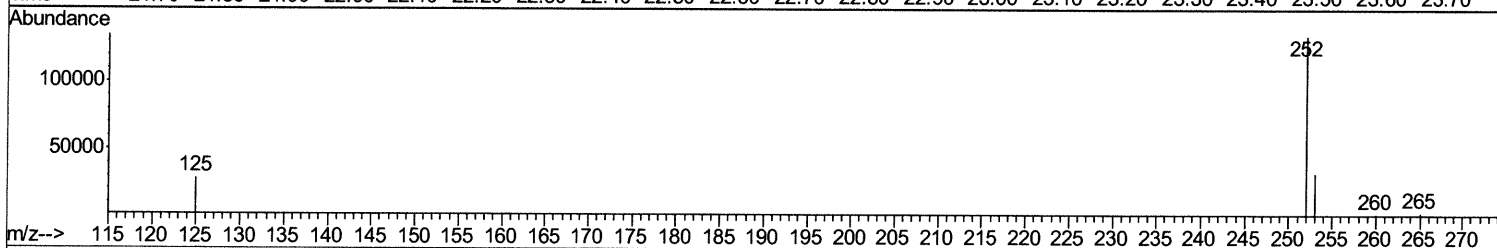
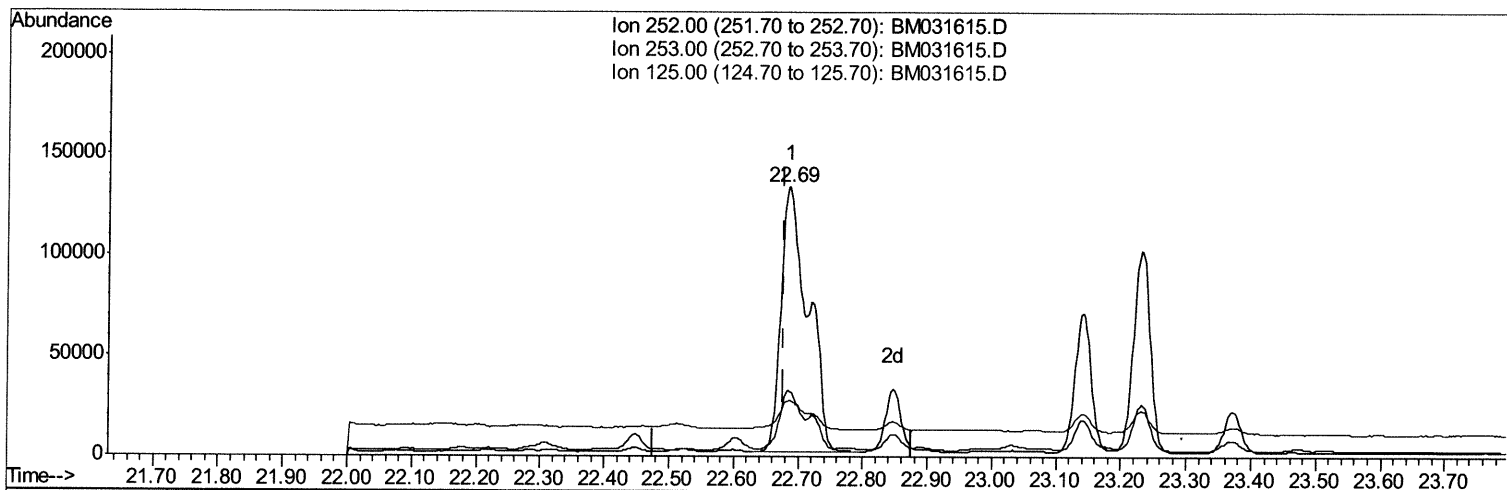
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031615.D
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 Operator : CG/JU
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Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:13:18 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031615.D

(24) Benzo(b)fluoranthene

22.686min (+0.009) 17.40ng/ul

response 380980

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	24.33
125.00	11.40	20.73
0.00	0.00	0.00

Quantitation Report (Qedit)

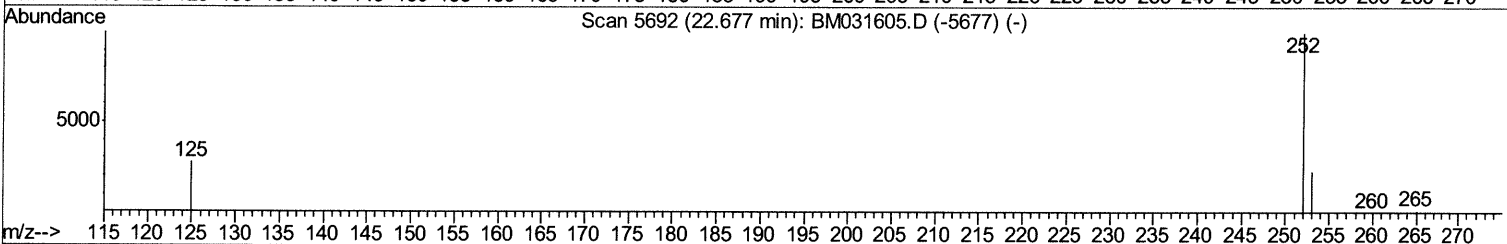
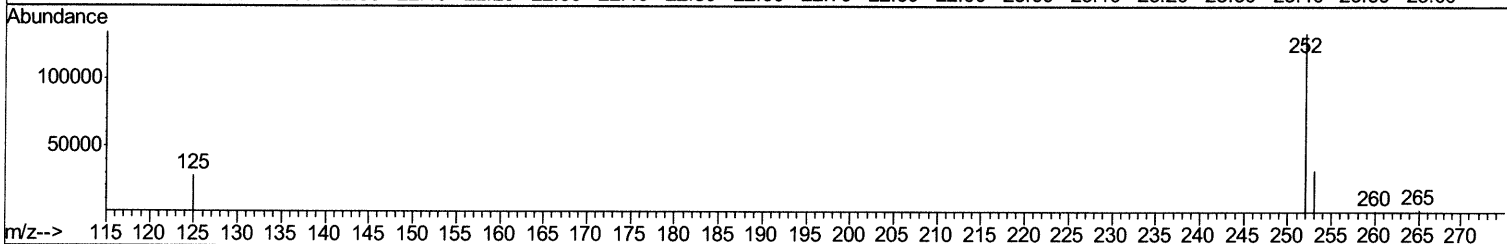
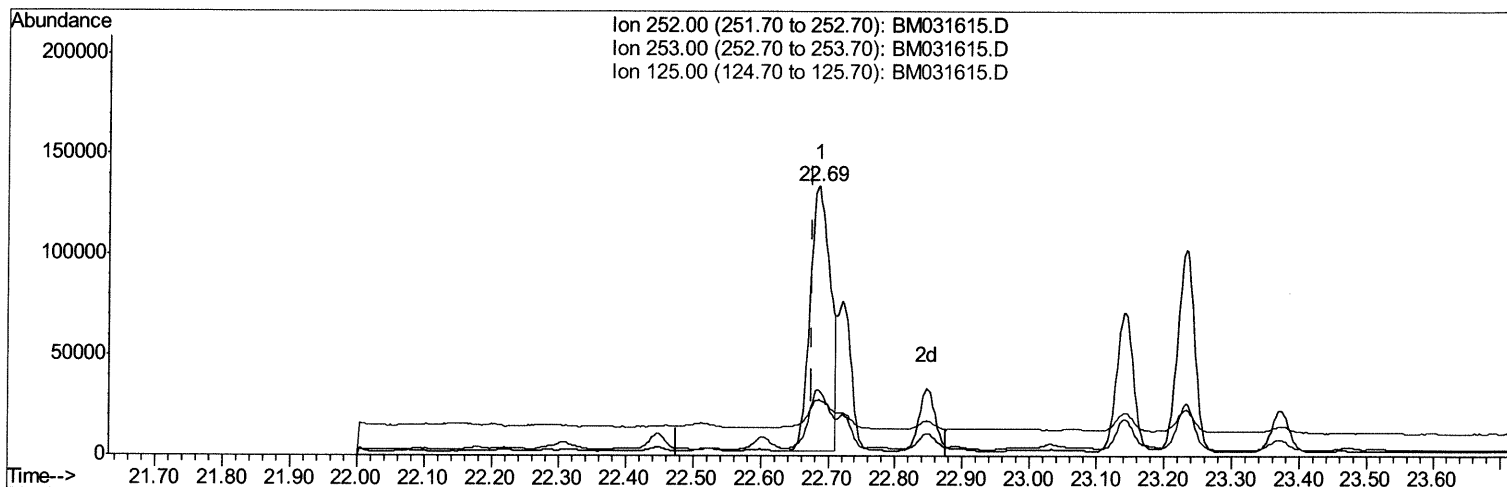
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031615.D
 Acq On : 09 Aug 2021 22:21
 Operator : CG/JU
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 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:13:18 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031615.D

(24) Benzo(b)fluoranthene

22.686min (+0.009) 12.59ng/ul m

response 275744

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	24.33
125.00	11.40	20.73
0.00	0.00	0.00

Quantitation Report (Qedit)

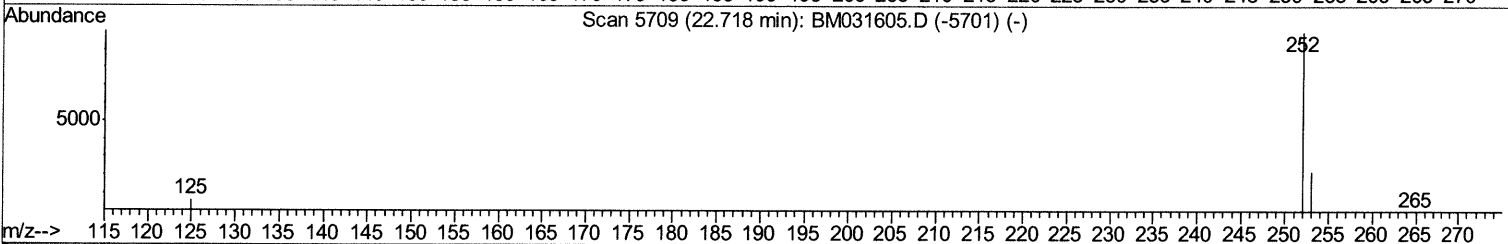
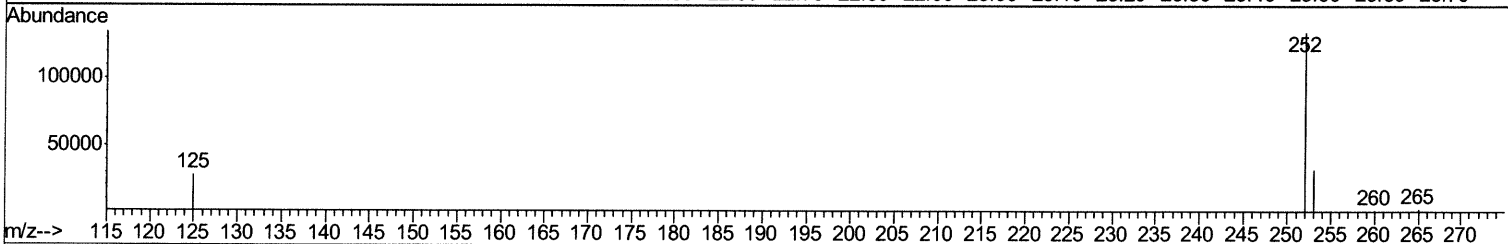
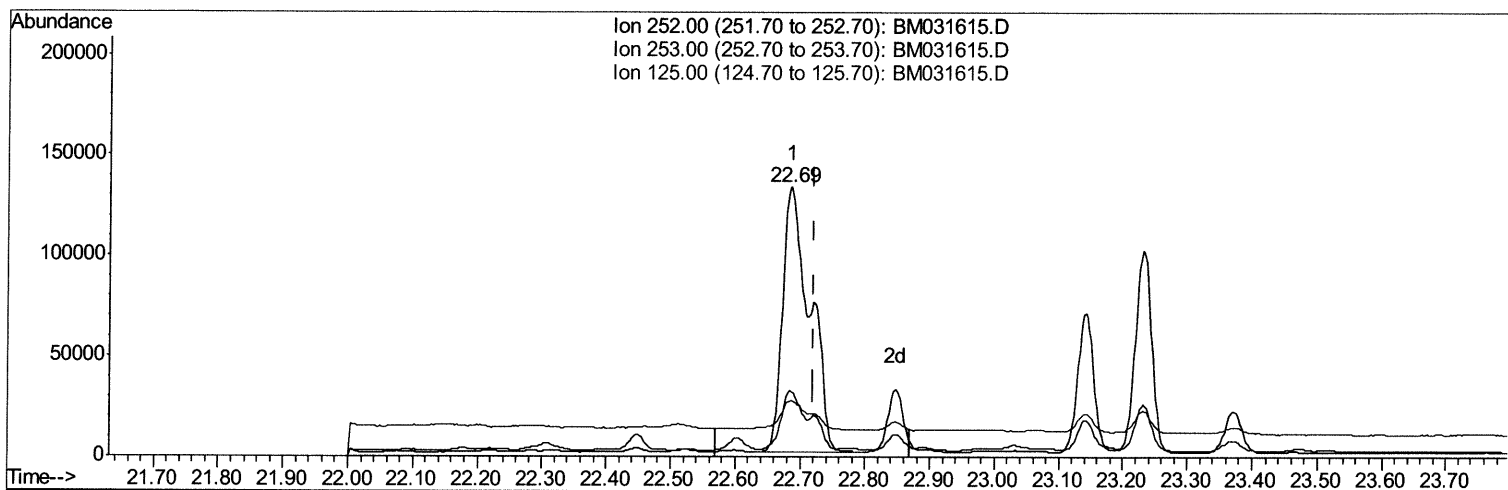
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031615.D
 Acq On : 09 Aug 2021 22:21
 Operator : CG/JU
 Sample : M3169-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:15:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



(25) Benzo(k)fluoranthene

22.686min (-0.034) 16.84ng/ul

response 380980

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.33
125.00	11.00	20.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

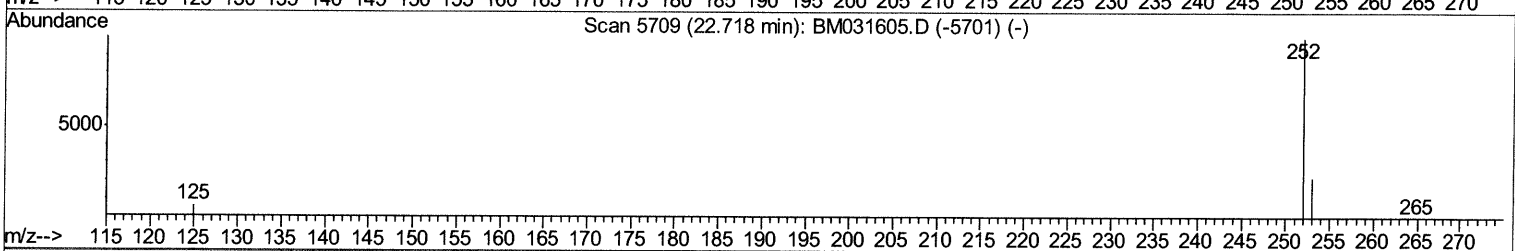
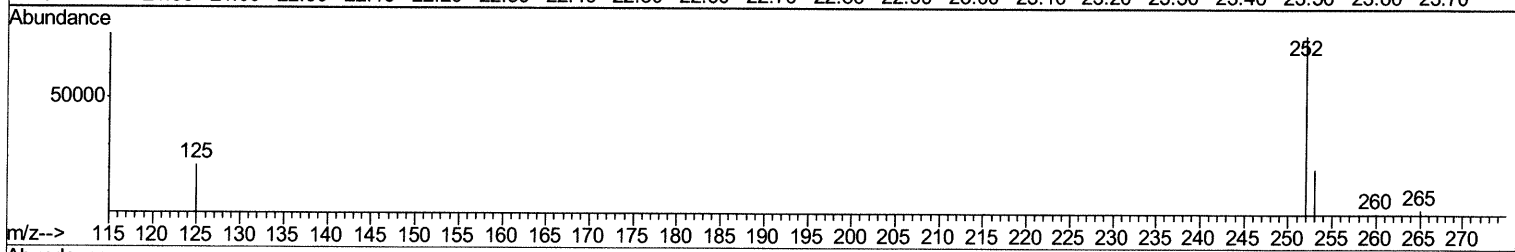
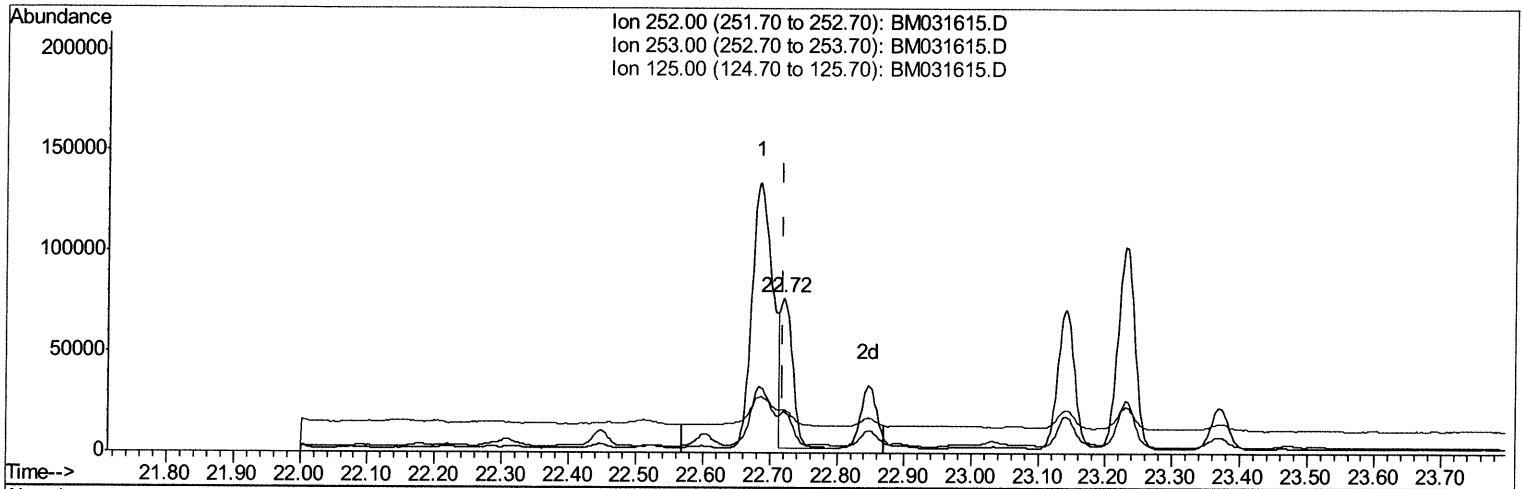
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031615.D
 Acq On : 09 Aug 2021 22:21
 Operator : CG/JU
 Sample : M3169-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:15:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration



TIC: BM031615.D

(25) Benzo(k)fluoranthene

22.720min (-0.000) 4.27ng/ul m

response 96637

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	26.61
125.00	11.00	28.03#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080921\
 Data File : BM031615.D
 Acq On : 09 Aug 2021 22:21
 Operator : CG/JU
 Sample : M3169-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C00C0

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:36:27 PM

Quant Time: Aug 10 03:15:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1349	0.40	ng/ul	0.00
4) Naphthalene-d8	10.34	136	4998	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.21	164	3272	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.96	188	5362	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	4824	0.40	ng/ul	0.00
23) Perylene-d12	23.32	264	4860	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.19	96	2701	1.80	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	1661	0.20	ng/ul	0.00
18) Fluoranthene-d10	19.00	212	3503	0.22	ng/ul	0.00
Target Compounds						
					Ovalue	
5) Naphthalene	10.39	128	10161	0.682	ng/ul	100
7) 2-Methylnaphthalene	12.01	142	12187	1.198	ng/ul	100
8) 1-Methylnaphthalene	12.23	142	9069	0.902	ng/ul	99
10) Acenaphthylene	13.93	152	65707	4.715	ng/ul	98
11) Acenaphthene	14.27	153	6606	0.563	ng/ul	99
12) Fluorene	15.27	166	50888	3.770	ng/ul	99
15) Phenanthrene	17.00	178	545561	32.042	ng/ul	98
16) Anthracene	17.09	178	113486	7.119	ng/ul	99
19) Fluoranthene	19.03	202	711468	34.539	ng/ul	96
20) Pyrene	19.39	202	525308	25.143	ng/ul	97
21) Benzo(a)anthracene	21.14	228	275173	14.126	ng/ul	93
22) Chrysene	21.19	228	264986m	13.148	ng/ul	93
24) Benzo(b)fluoranthene	22.69	252	275744m	12.593	ng/ul	93
25) Benzo(k)fluoranthene	22.72	252	96637m	4.271	ng/ul	93
26) Benzo(a)pyrene	23.23	252	179690	9.370	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.47	276	115613	4.664	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.48	278	34331	1.718	ng/ul#	64
29) Benzo(a,h,i)perylene	26.12	276	26681	1.262	ng/ul#	73

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