

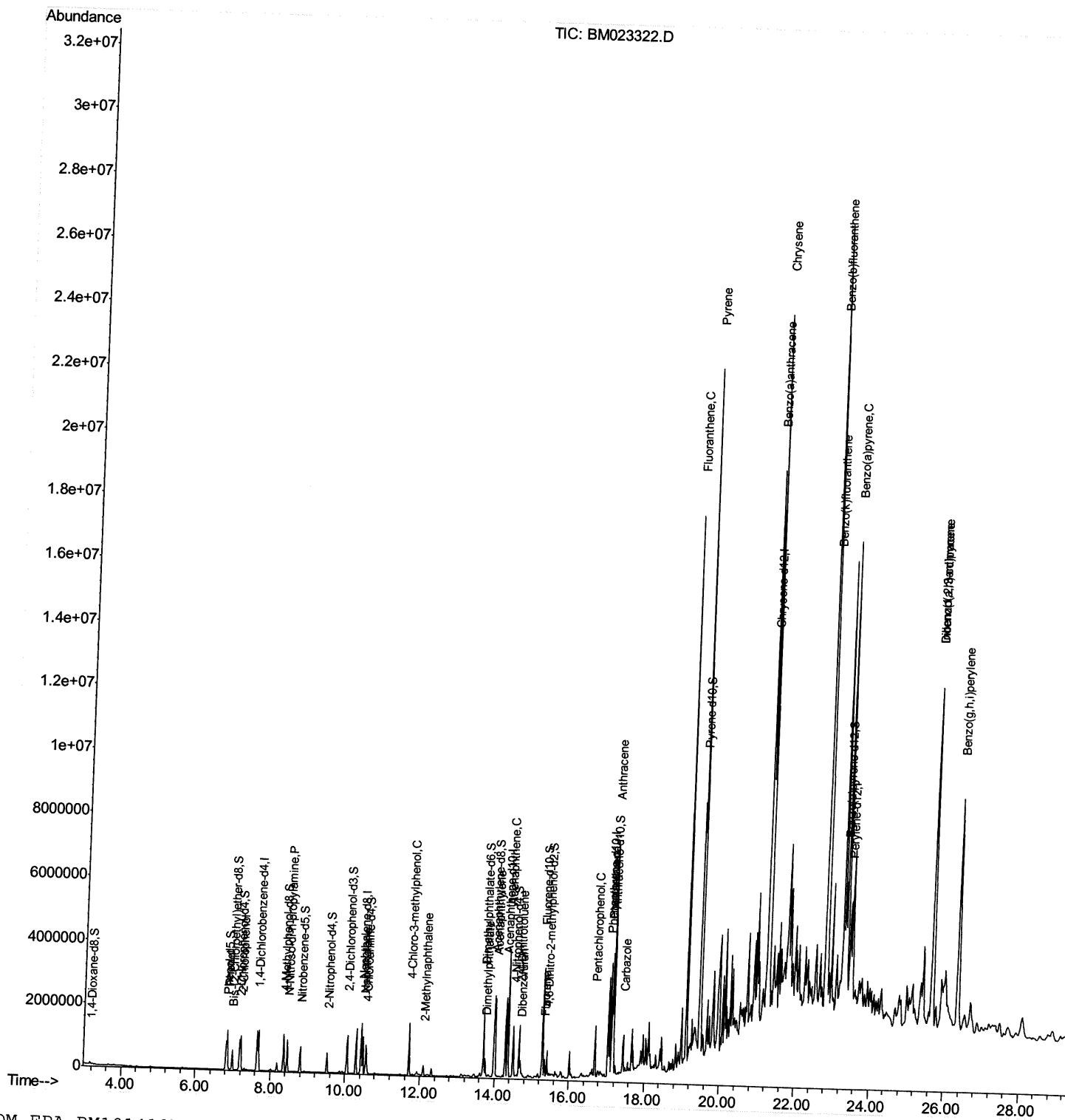
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ6MS

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:35 AM

Quant Time: Oct 22 18:27:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 11:39:35 2019
Response via : Initial Calibration



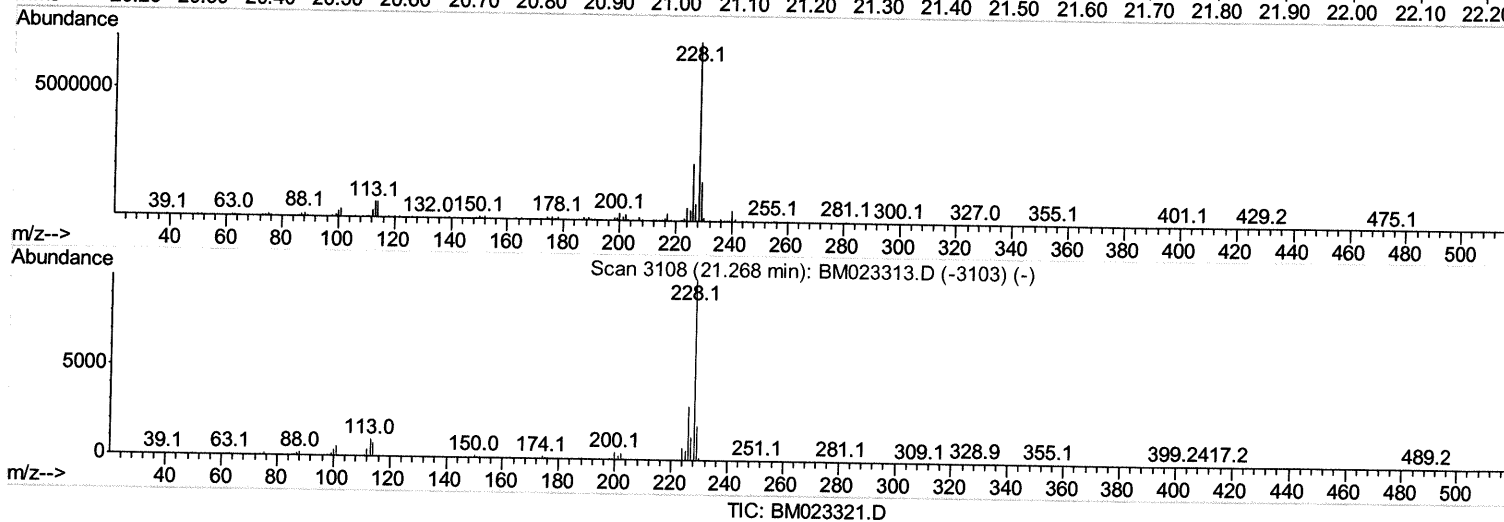
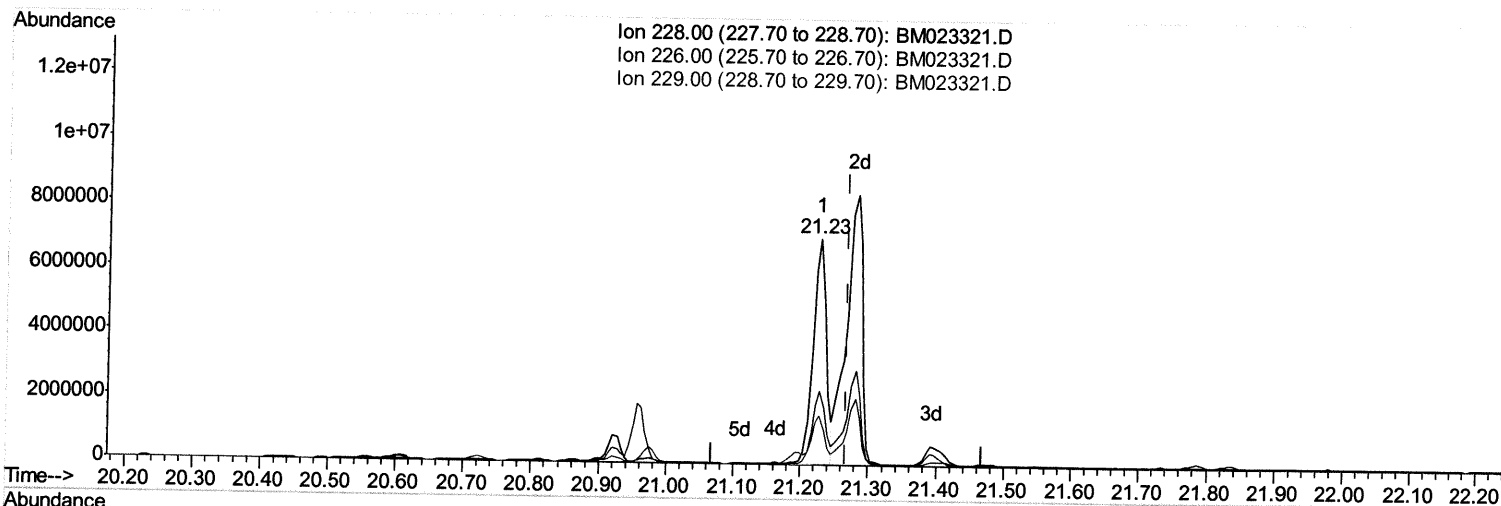
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Data File : BM023321.D
Acq On : 22 Oct 2019 16:34
Operator : JU
Sample : K5345-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ6MS

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:35 AM

Quant Time: Oct 22 17:26:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 11:39:35 2019
Response via : Initial Calibration



(85) Chrysene

21.227min (-0.041) 74.77ng/ul

response 9394715

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	32.54
229.00	19.40	21.69
0.00	0.00	0.00

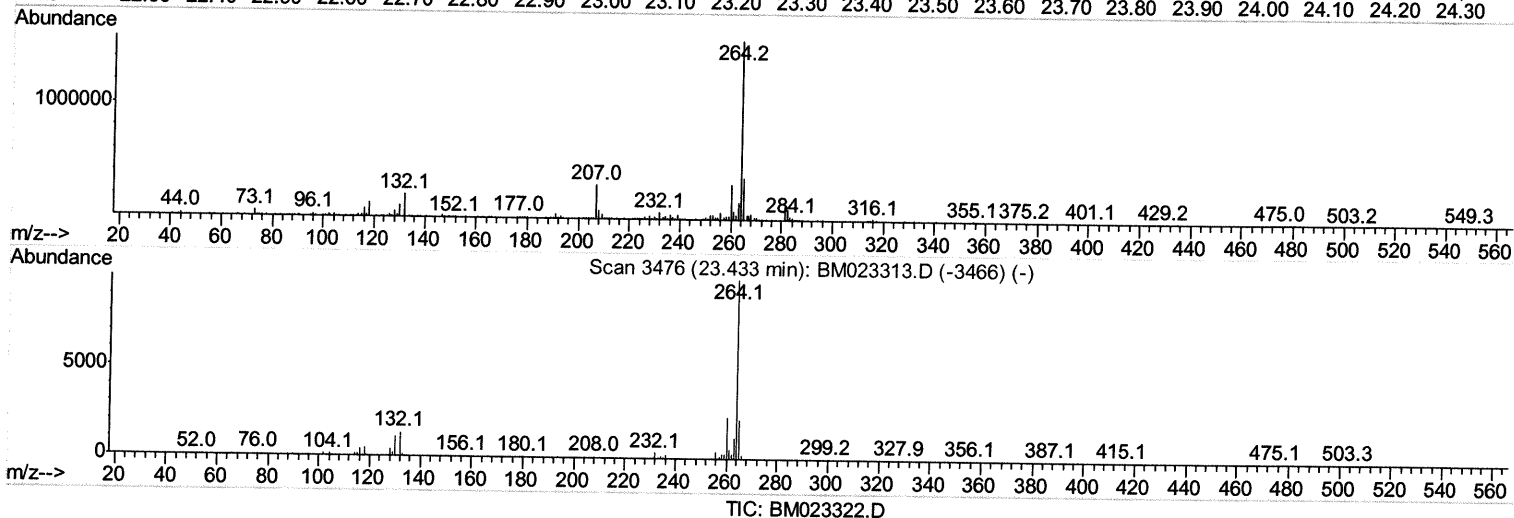
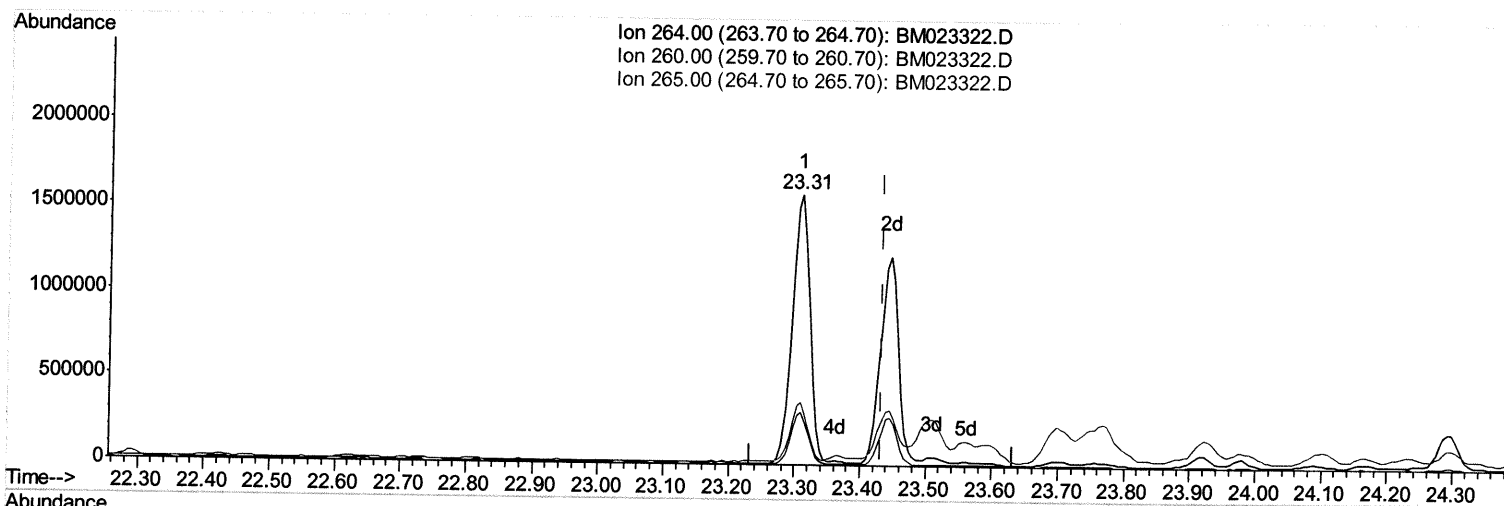
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
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Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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(86) Perylene-d12 (I)

23.309min (-0.124) 20.00ng/ul

response 2931129

Ion	Exp%	Act%
264.00	100	100
260.00	23.20	19.65
265.00	21.60	23.08
0.00	0.00	0.00

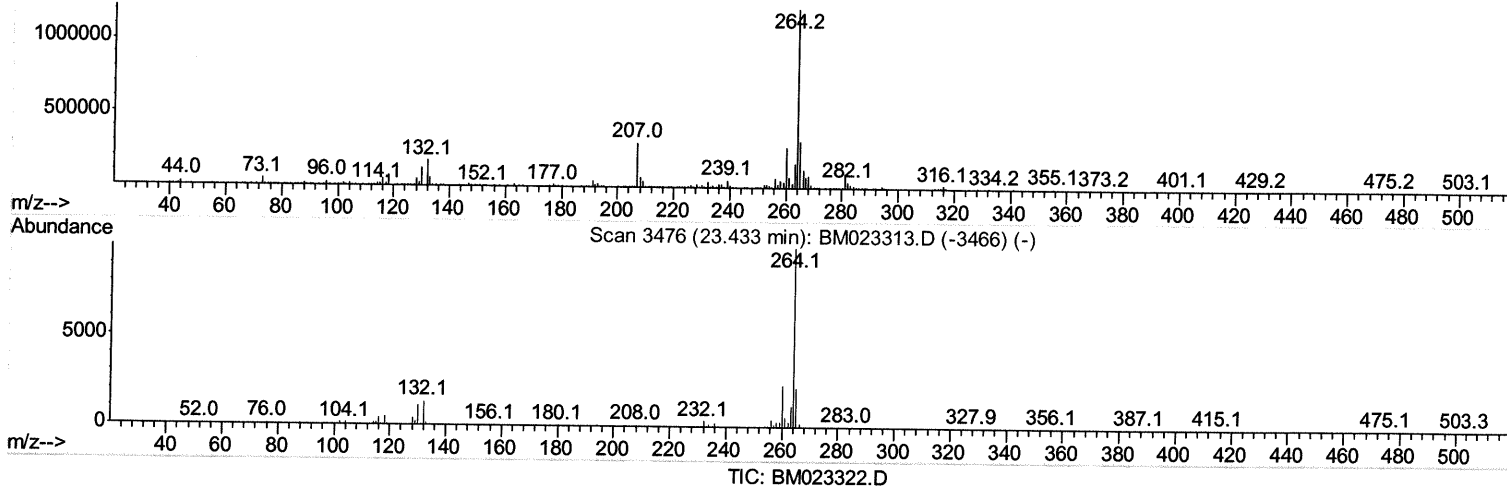
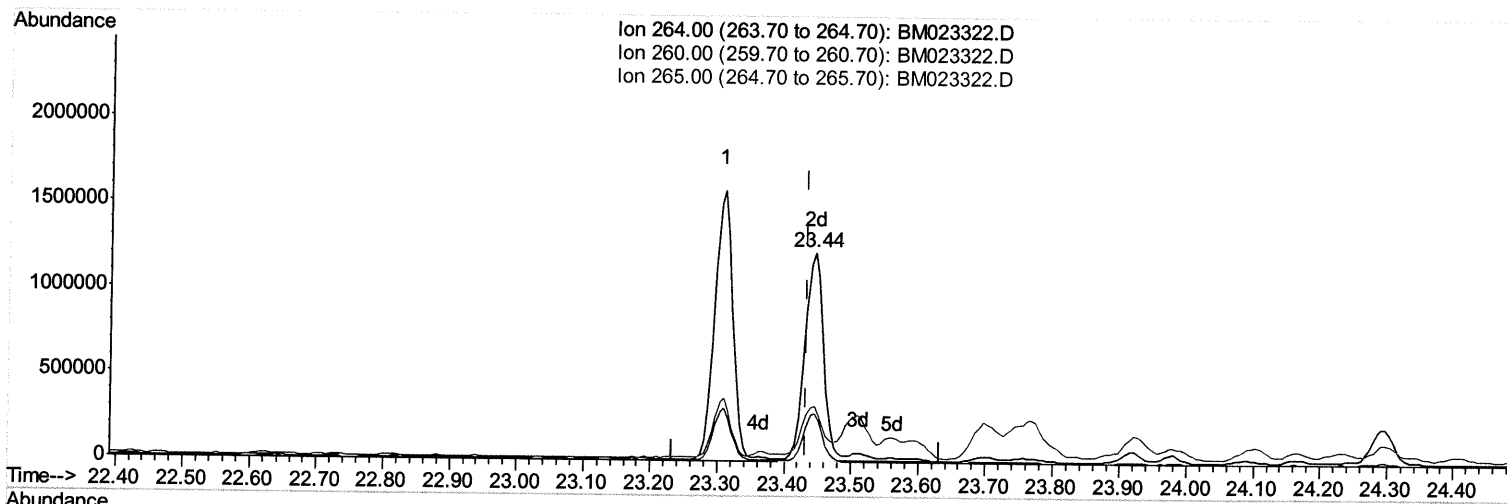
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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(86) Perylene-d12 (I)

23.444min (+0.012) 20.00ng/ul m

24.10.23.19

response 2386259

Ion	Exp%	Act%
264.00	100	100
260.00	23.20	22.83
265.00	21.60	26.41#
0.00	0.00	0.00

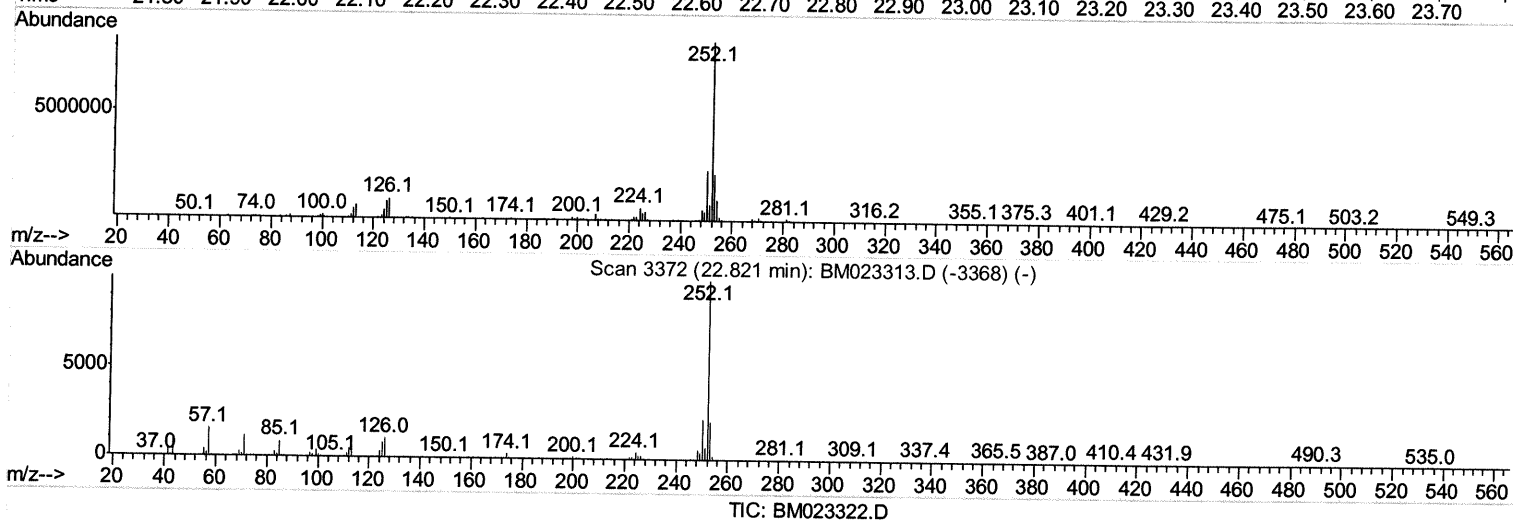
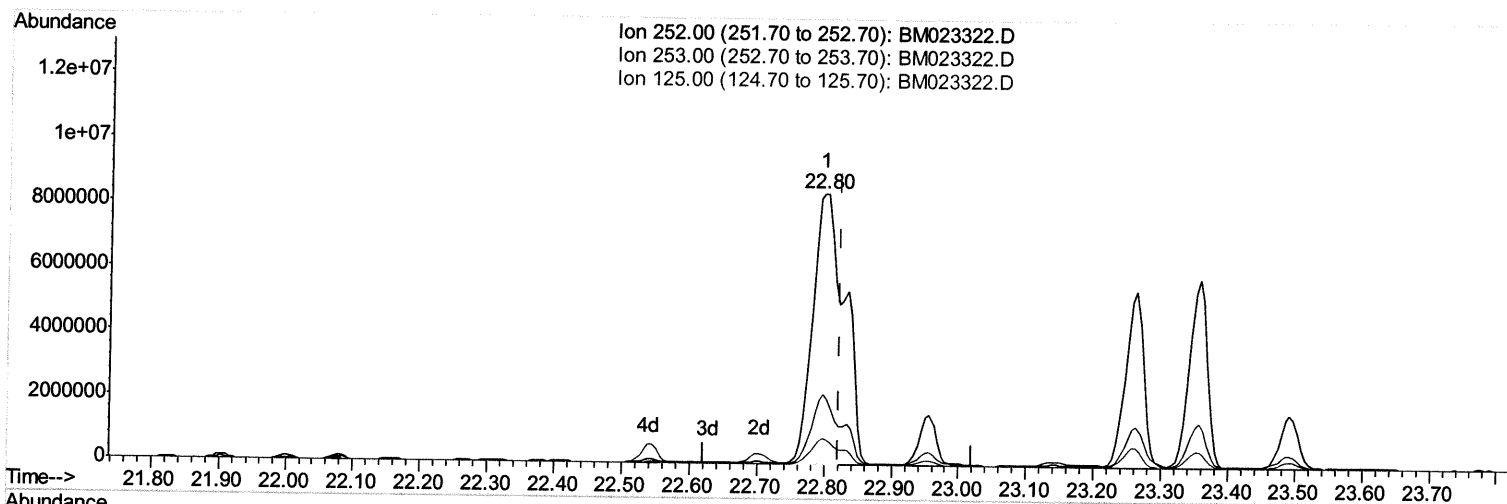
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Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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(89) Benzo(k)fluoranthene

22.797min (-0.024) 150.12ng/ul

response 20855492

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.89
125.00	8.20	9.50
0.00	0.00	0.00

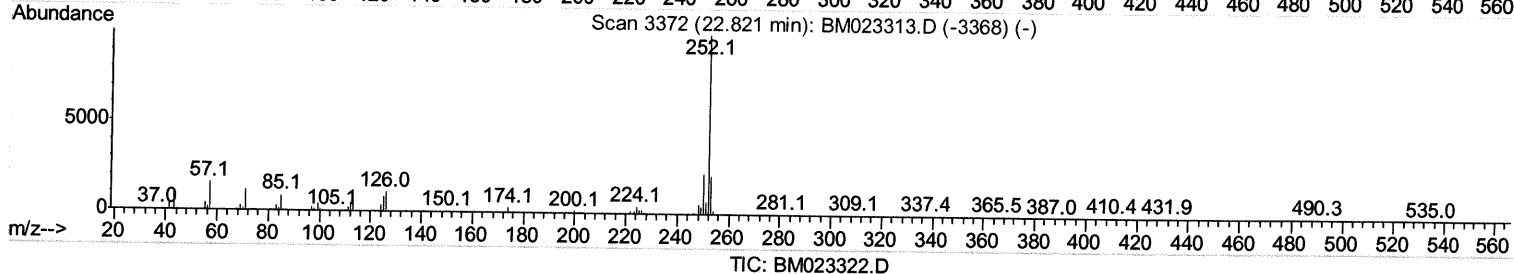
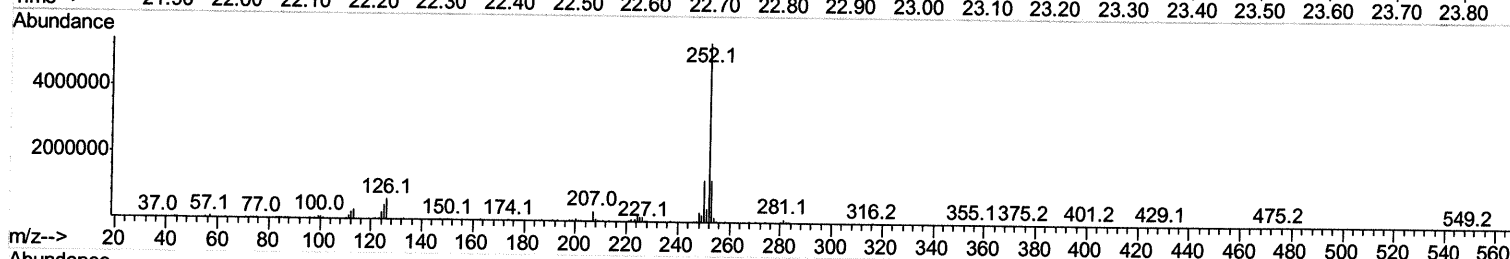
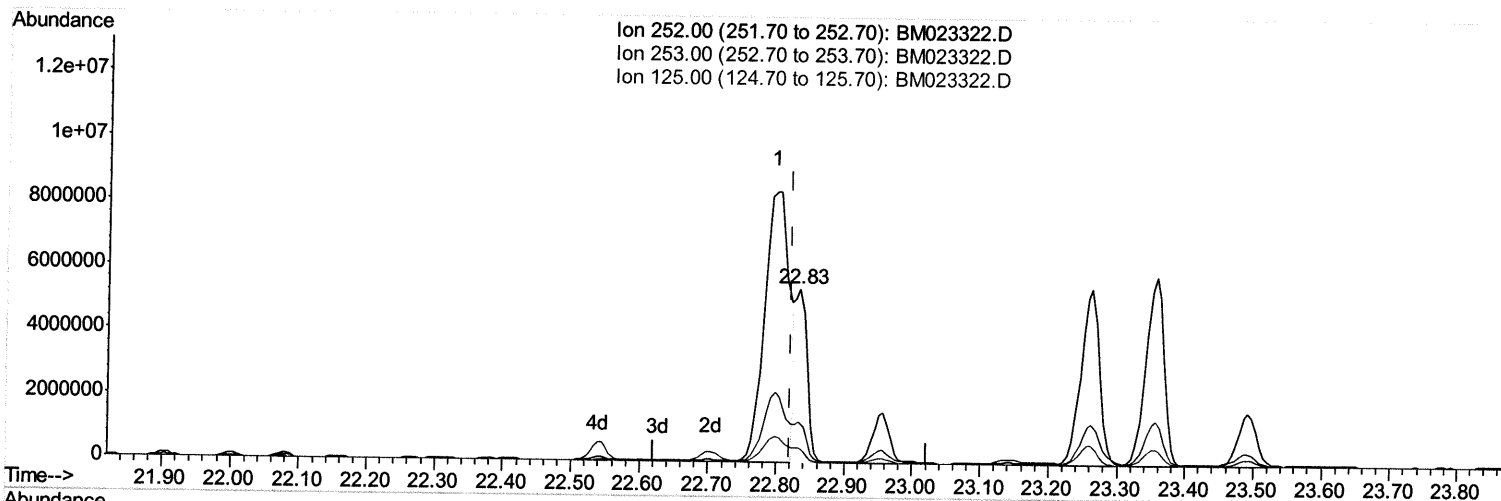
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ6MS

Manual Integrations
APPROVED

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(89) Benzo(k)fluoranthene

22.833min (+0.012) 49.99ng/ul m *JU* 10.23.19
response 6944602

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.50
125.00	8.20	8.24
0.00	0.00	0.00

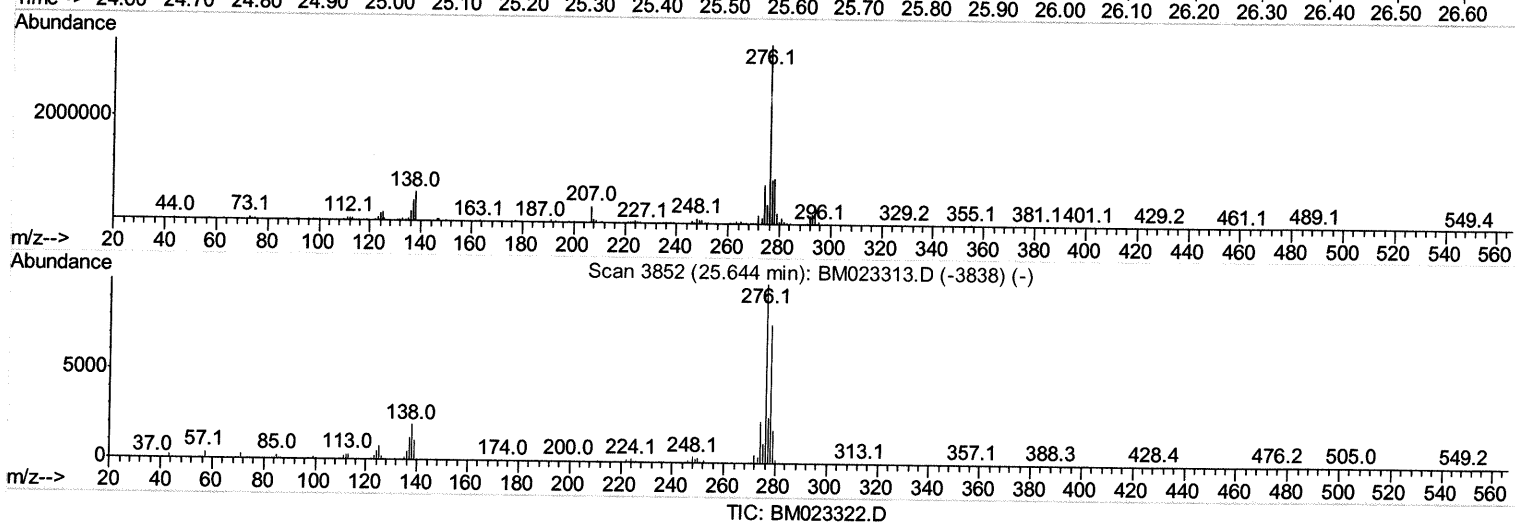
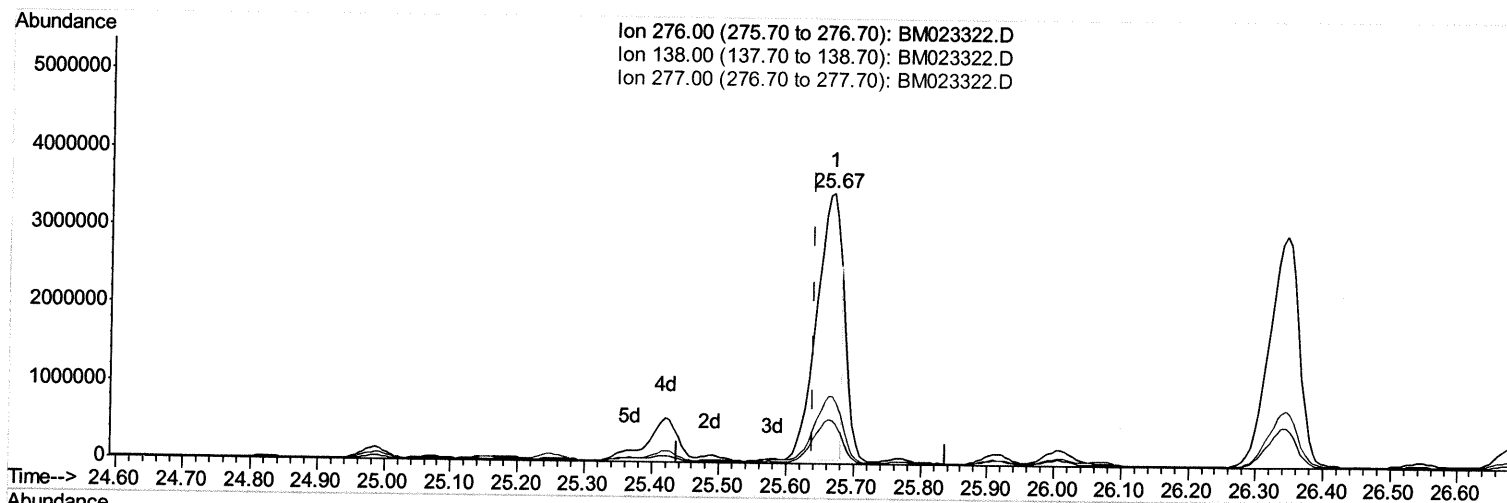
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ6MS

Manual Integrations
APPROVED

mohammad
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(92) Indeno(1,2,3-cd)pyrene

25.668min (+0.029) 51.86ng/ul

response 8564334

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	16.14
277.00	24.80	24.93
0.00	0.00	0.00

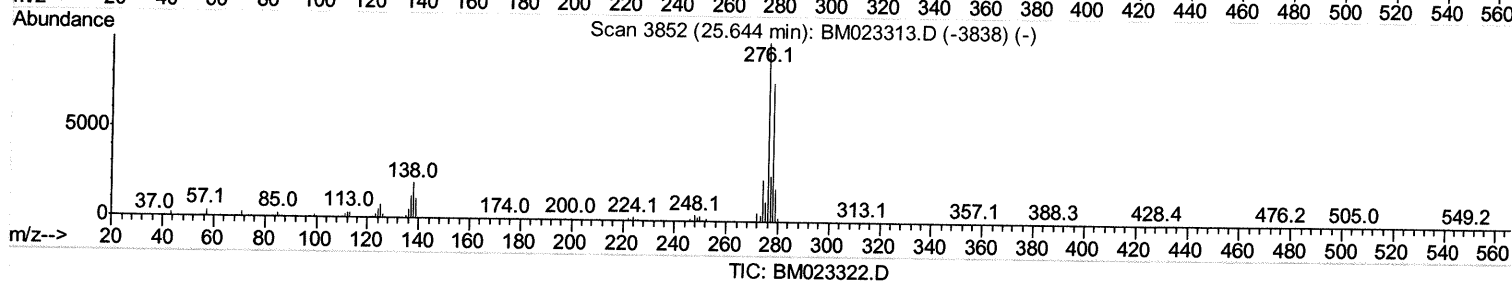
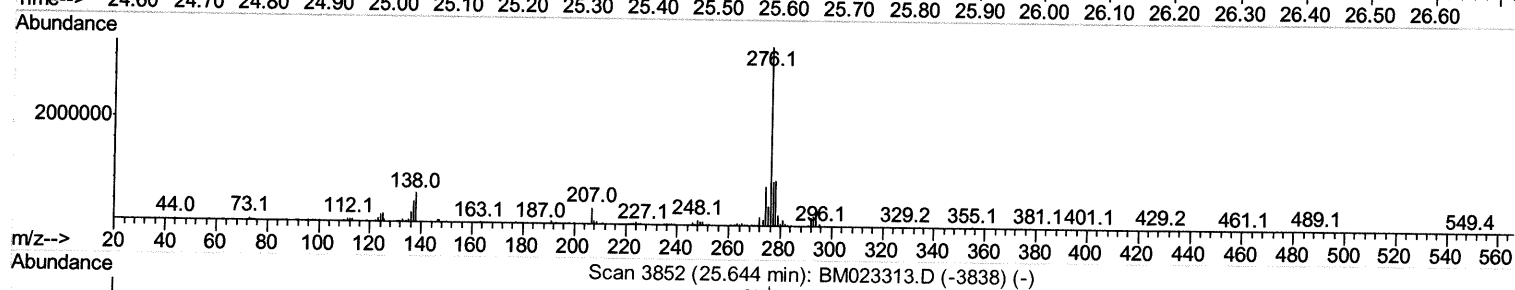
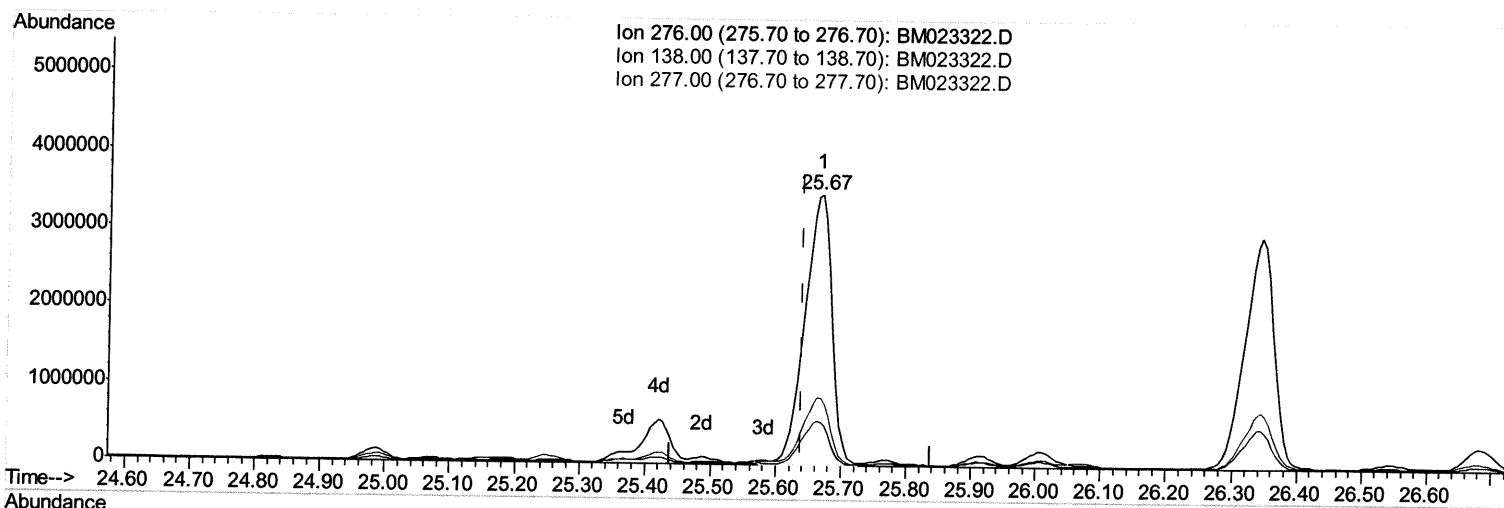
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ6MS

Manual Integrations
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mohammad
10/24/2019 8:08:35 AM

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Response via : Initial Calibration



(92) Indeno(1,2,3-cd)pyrene

25.668min (+0.029) 61.55ng/ul m

J4 10.23.19

response 10163544

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	16.14
277.00	24.80	24.93
0.00	0.00	0.00

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Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ6MS

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:35 AM

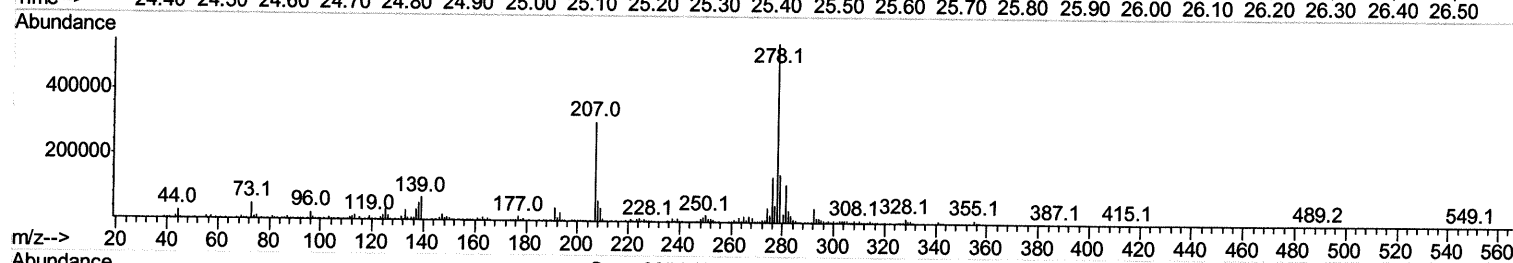
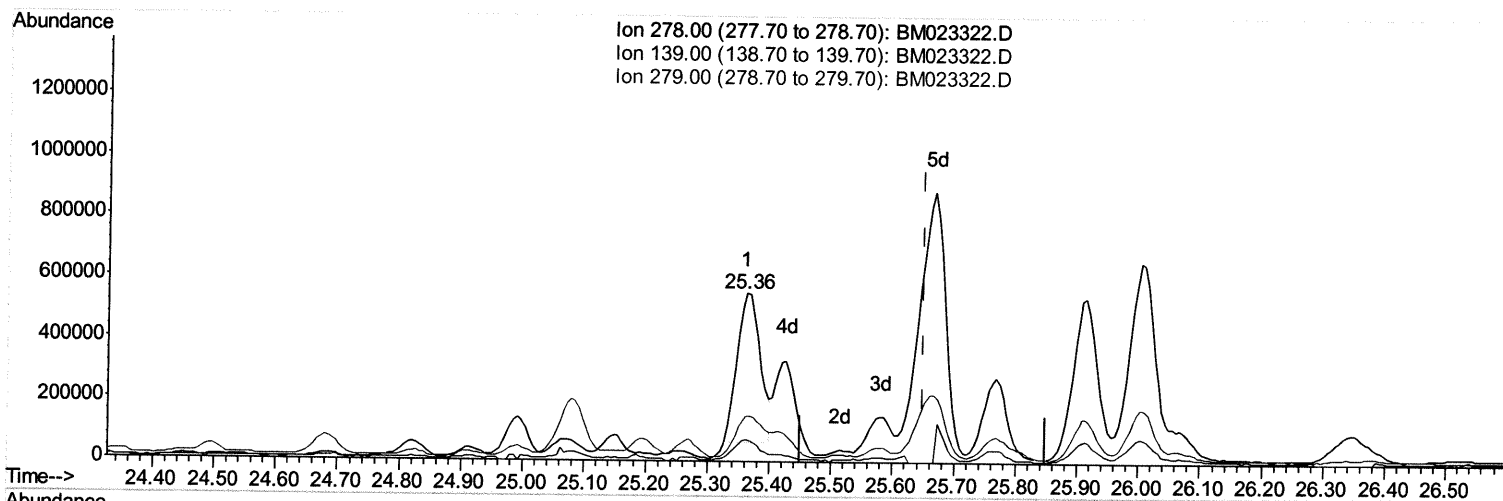
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

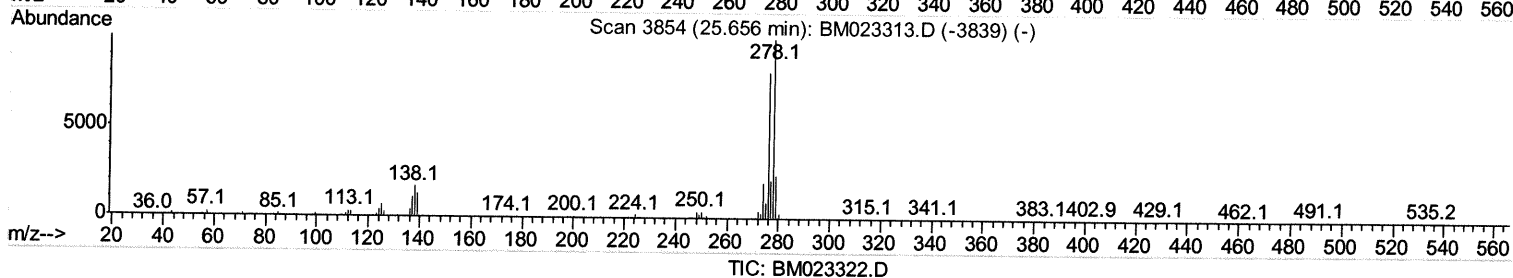
Quant Title : SVOA CALIBRATION

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Response via : Initial Calibration



Scan 3854 (25.656 min): BM023313.D (-3839) (-)



(93) Dibenzo(a,h)anthracene

25.362min (-0.288) 9.06ng/ul

response 1250418

Ion	Exp%	Act%
278.00	100	100
139.00	13.10	13.04
279.00	24.60	27.07
0.00	0.00	0.00

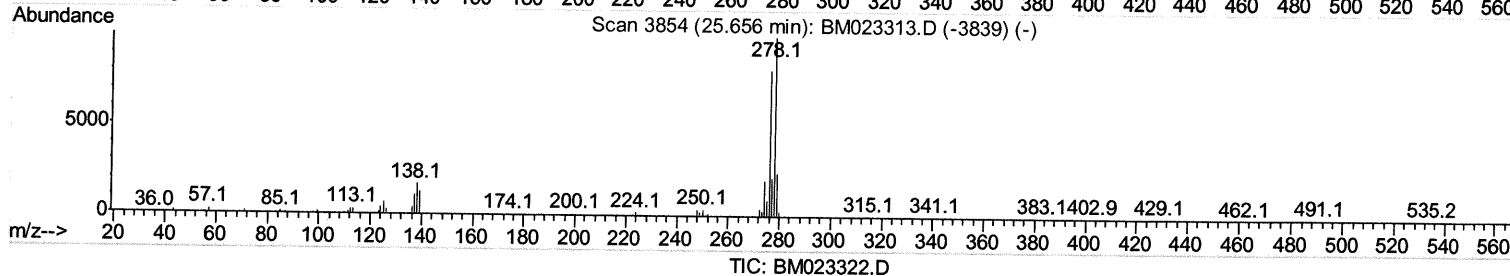
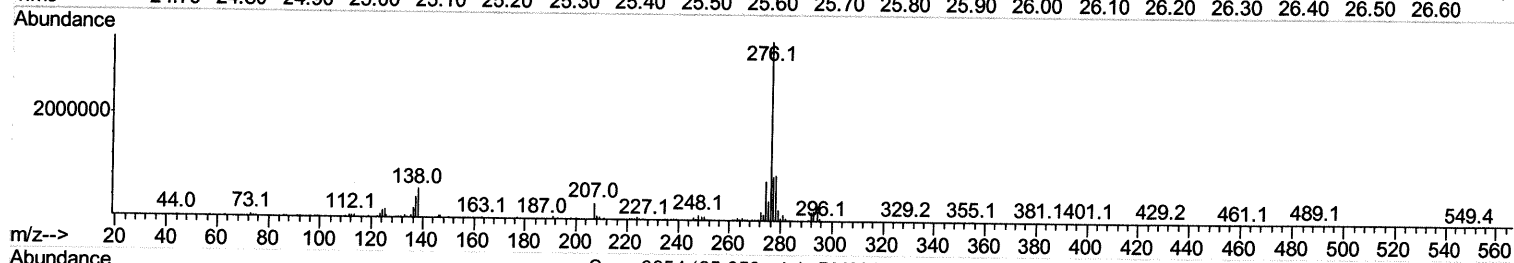
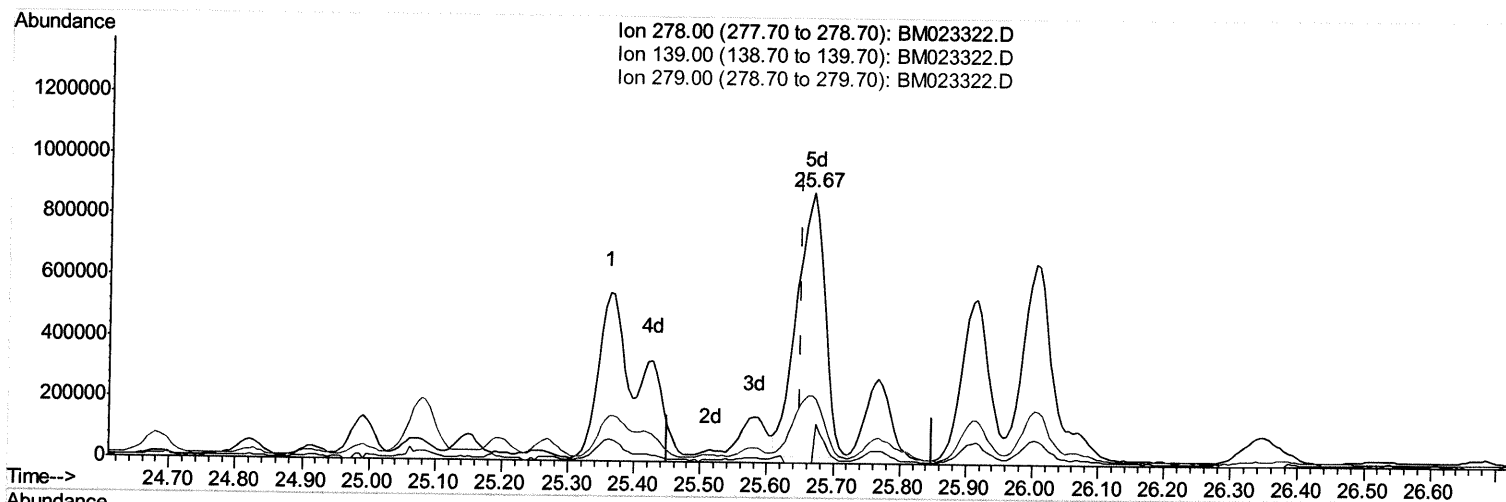
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Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ6MS

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:35 AM

Quant Time: Oct 22 18:19:14 2019
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Response via : Initial Calibration



(93) Dibenzo(a,h)anthracene

25.668min (+0.018) 18.55ng/ul m

response 2561732

JY 10.23.19

Ion	Exp%	Act%
278.00	100	100
139.00	13.10	0.00#
279.00	24.60	25.02
0.00	0.00	0.00

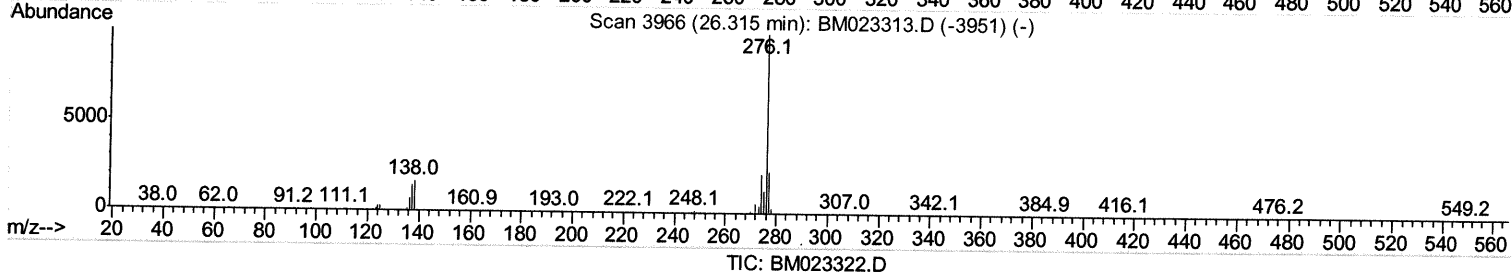
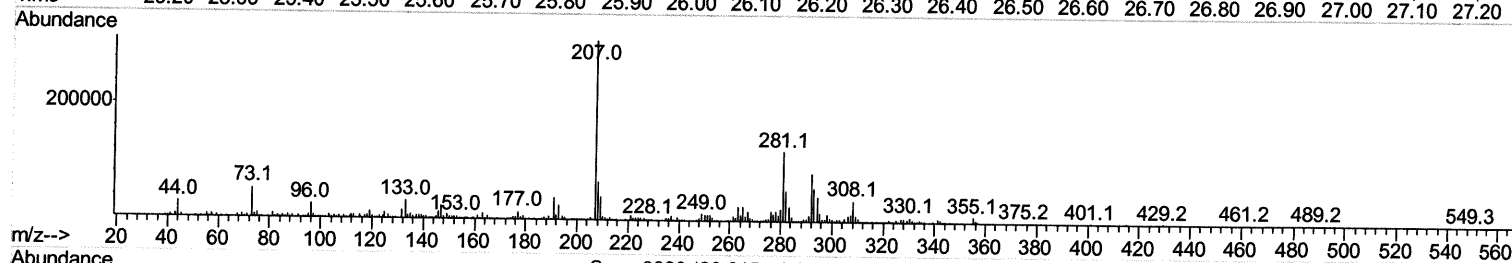
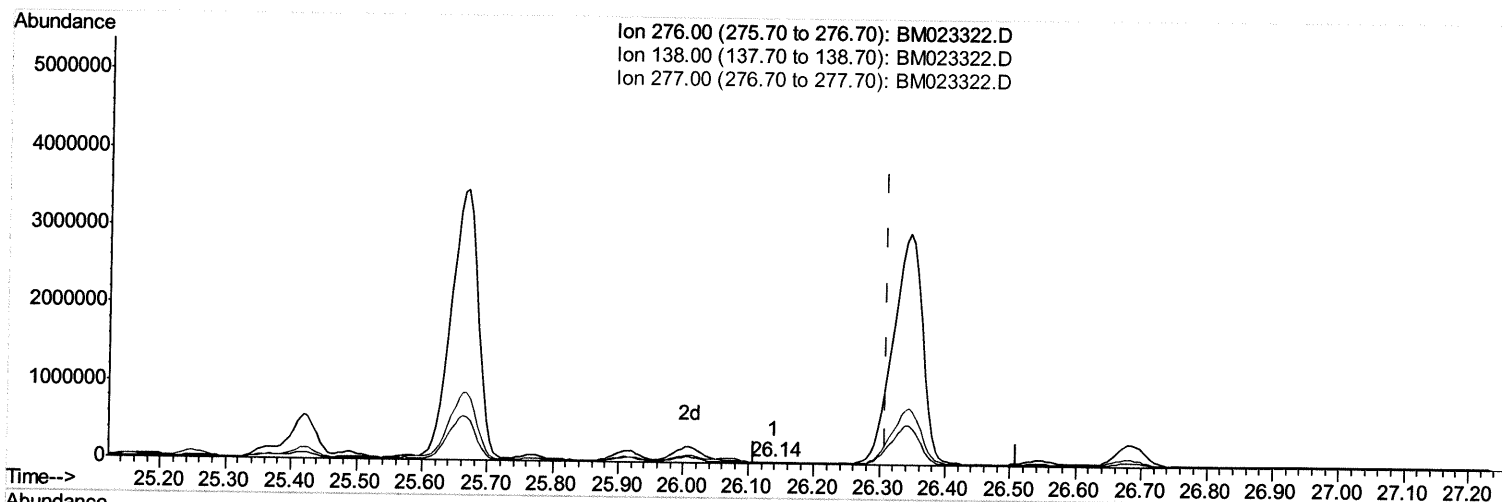
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023322.D
Acq On : 22 Oct 2019 17:09
Operator : JU
Sample : K5345-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ6MS

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:35 AM

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(94) Benzo(g,h,i)perylene

26.138min (-0.171) 0.03ng/ul

response 3441

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	43.81#
277.00	23.40	73.19#
0.00	0.00	0.00

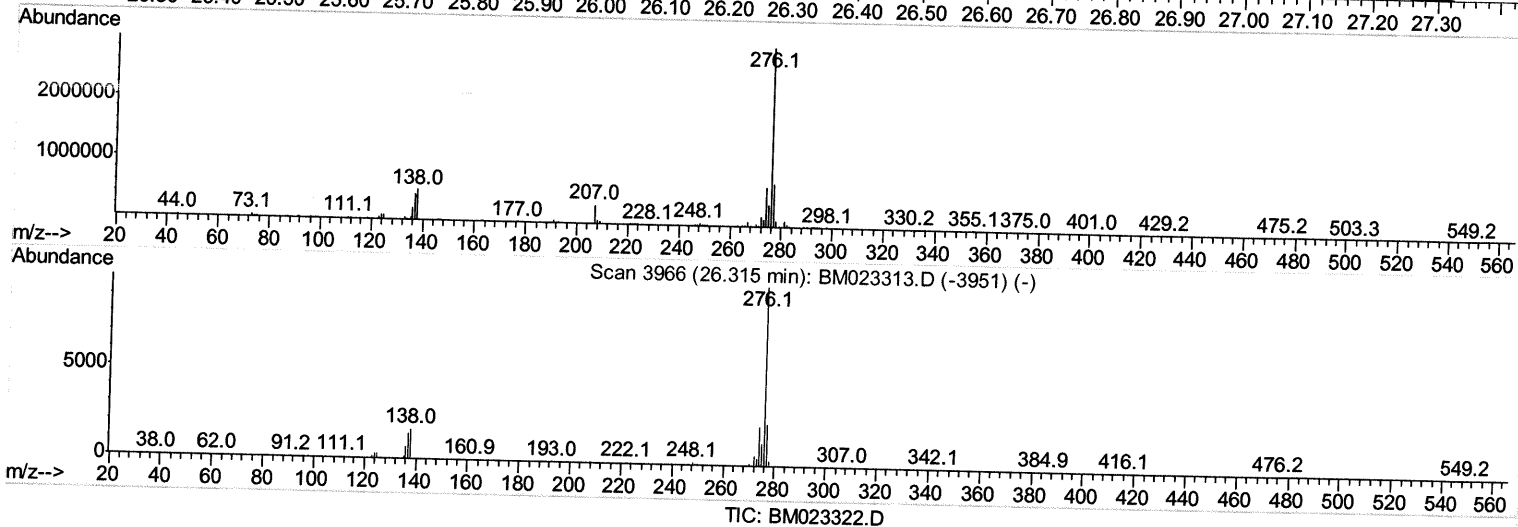
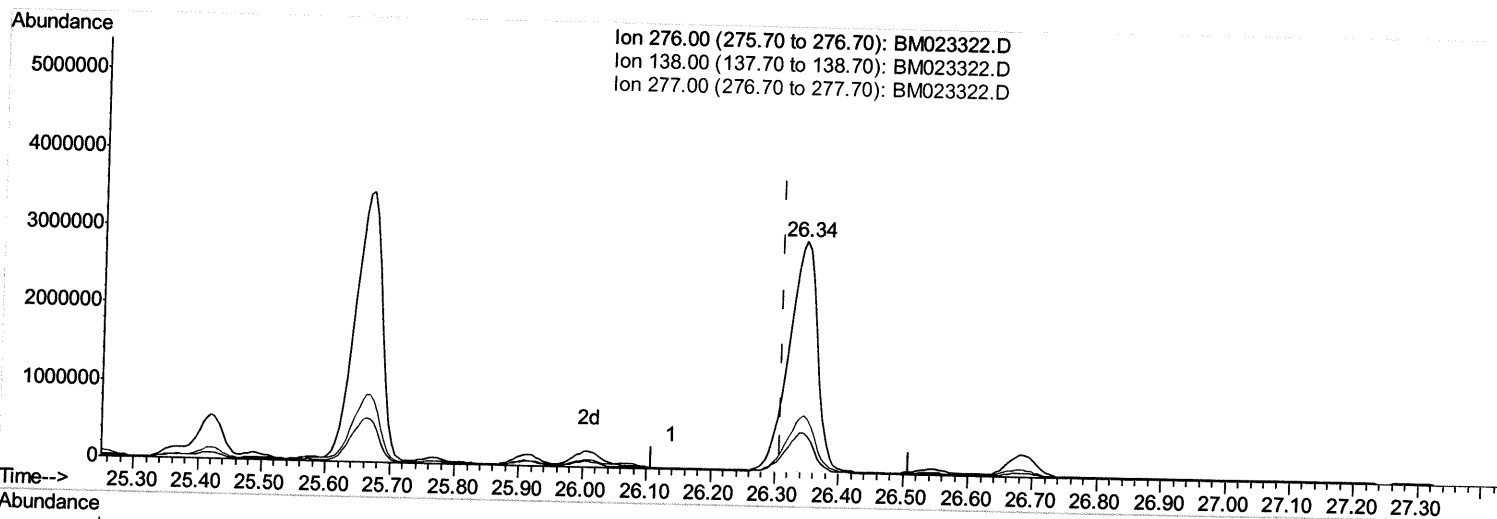
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(94) Benzo(g,h,i)perylene

26.344min (+0.035) 68.70ng/ul m

response 9340509

34 10.23.19

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	16.87
277.00	23.40	24.31
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	7.65	152	333184	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1343288	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	840158	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1818103	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1885965	20.00	ng/ul	0.01
86) Perylene-d12	23.44	264	2386259m>	20.00	ng/ul>	0.01>

JU 10-23-19

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	25580	3.38	ng/uL	0.00
5) Phenol-d5	6.82	99	520562	17.94	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.99	67	287179	17.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	417852	18.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	425651	18.26	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	189924	20.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	204874	23.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	454493	20.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	501778	18.74	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1484671	23.06	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1651324	21.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	219875	21.10	ng/ul	0.00
58) Fluorene-d10	15.29	176	1301960	23.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	181533	25.18	ng/ul	0.00
71) Anthracene-d10	17.13	188	2152162	24.55	ng/ul	0.00
79) Pyrene-d10	19.43	212	2407111	26.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2924844	24.18	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.85	94	654670	21.877	ng/ul 98
10) 2-Chlorophenol	7.21	128	462516	19.926	ng/ul 97
15) N-Nitroso-di-n-propylamine	8.45	70	358564	17.864	ng/ul 96
28) Naphthalene	10.47	128	932378	13.429	ng/ul 99
33) 4-Chloro-3-methylphenol	11.72	107	582730	23.649	ng/ul 99
34) 2-Methylnaphthalene	12.10	142	150602	2.915	ng/ul 100
45) Dimethylphthalate	13.76	163	339038	5.261	ng/ul 99
48) Acenaphthylene	14.01	152	1807141	23.406	ng/ul 99
50) Acenaphthene	14.36	153	1687195	31.382	ng/ul 99
53) 4-Nitrophenol	14.50	109	217674	23.184	ng/ul 92
54) Dibenzofuran	14.69	168	307213	4.025	ng/ul 97
55) 2,4-Dinitrotoluene	14.66	165	482355	32.592	ng/ul 96
59) Fluorene	15.34	166	264396	4.222	ng/ul 98
69) Pentachlorophenol	16.69	266	230592	16.538	ng/ul 99
70) Phenanthrene	17.08	178	2186966	21.434	ng/ul 99
72) Anthracene	17.17	178	4540829	43.067	ng/ul 100
75) Carbazole	17.44	167	767334	8.146	ng/ul 99
77) Fluoranthene	19.10	202	10257133	84.527	ng/ul 99
80) Pyrene	19.47	202	12799996	108.339	ng/ul 95
83) Benzo(a)anthracene	21.22	228	8307056	65.006	ng/ul 93
85) Chrysene	21.27	228	12490687	105.268	ng/ul 95
88) Benzo(b)fluoranthene	22.80	252	20855492	144.149	ng/ul 93
89) Benzo(k)fluoranthene	22.83	252	6944602m>	49.989	ng/ul>

> JU 10-23-19

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.36	252	10546160	75.977	nq/ul	97
92) Indeno(1,2,3-cd)pyrene	25.67	276	10163544m	61.549	nq/ul	
93) Dibenzo(a,h)anthracene	25.67	278	2561732m	18.554	nq/ul	
94) Benzo(g,h,i)perylene	26.34	276	9340509m	68.701	nq/ul	

} Re 10.23.19

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