

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121117\
 Data File : BM013321.D
 Acq On : 12 Dec 2017 01:21
 Operator : SJ/JU
 Sample : I6758-08 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9B09

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.869	635	643	651	rBV2	82845	163266	1.07%	0.142%
2	7.687	774	782	792	rVB	667600	1042852	6.85%	0.904%
3	8.393	897	902	910	rVB	112584	188426	1.24%	0.163%
4	8.840	971	978	989	rVB	88966	159908	1.05%	0.139%
5	10.092	1185	1191	1198	rBV2	108066	197040	1.29%	0.171%
6	10.469	1245	1255	1260	rBV	924553	1600276	10.50%	1.388%
7	13.745	1806	1812	1815	rBV	226640	322544	2.12%	0.280%
8	14.022	1853	1859	1860	rBV	256202	347038	2.28%	0.301%
9	14.045	1860	1863	1879	rVB	616817	1010129	6.63%	0.876%
10	14.327	1905	1911	1919	rBV3	1406733	2186608	14.35%	1.896%
11	14.551	1940	1949	1957	rBV4	69454	153126	1.01%	0.133%
12	15.322	2075	2080	2087	rBV	359240	512992	3.37%	0.445%
13	16.057	2199	2205	2213	rBV6	146201	293298	1.93%	0.254%
14	17.080	2372	2379	2383	rBV2	1965705	2897192	19.02%	2.512%
15	17.121	2383	2386	2390	rVV	241482	322744	2.12%	0.280%
16	17.174	2390	2395	2398	rVV	370741	599233	3.93%	0.520%
17	17.210	2398	2401	2406	rVV	734253	958343	6.29%	0.831%
18	17.268	2406	2411	2419	rVV4	84554	154220	1.01%	0.134%
19	17.480	2443	2447	2452	rBV	183711	242512	1.59%	0.210%
20	18.080	2545	2549	2554	rVV2	174457	210083	1.38%	0.182%
21	18.151	2557	2561	2572	rVB2	176471	364290	2.39%	0.316%
22	18.345	2590	2594	2599	rBV	294802	418711	2.75%	0.363%
23	18.498	2616	2620	2625	rVB2	235578	327893	2.15%	0.284%
24	18.880	2680	2685	2691	rBV4	138143	312602	2.05%	0.271%
25	19.015	2703	2708	2715	rBV	641898	945259	6.20%	0.820%
26	19.139	2724	2729	2735	rVB	3272658	4320177	28.36%	3.746%
27	19.286	2751	2754	2758	rVB2	203074	274224	1.80%	0.238%
28	19.474	2781	2786	2787	rBV2	1077506	1359884	8.93%	1.179%
29	19.504	2787	2791	2799	rVV	3645594	5180749	34.01%	4.492%
30	19.580	2800	2804	2810	rVV3	239665	430785	2.83%	0.374%
31	19.680	2818	2821	2827	rVB	238722	372891	2.45%	0.323%
32	19.745	2828	2832	2838	rVB	596030	885371	5.81%	0.768%
33	19.827	2841	2846	2853	rBV3	623008	1468107	9.64%	1.273%
34	19.980	2864	2872	2880	rVB5	891577	2751953	18.06%	2.386%

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Integration Parameters: LSCINT.P

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35	20.098	2888	2892	2896	rBV	590610	783859	5.15%	0.680%
36	20.156	2896	2902	2906	rVV2	873833	1645825	10.80%	1.427%
37	20.198	2906	2909	2912	rVB	305464	350968	2.30%	0.304%
38	20.298	2922	2926	2930	rBV	687176	1009611	6.63%	0.875%
39	20.345	2930	2934	2938	rVB2	514127	798643	5.24%	0.692%
40	20.551	2966	2969	2971	rBV2	191391	241024	1.58%	0.209%
41	20.709	2993	2996	2999	rBV3	235528	307102	2.02%	0.266%
42	20.751	2999	3003	3009	rVB	787286	1183001	7.77%	1.026%
43	20.915	3027	3031	3034	rVV2	575374	766206	5.03%	0.664%
44	20.951	3034	3037	3040	rVV2	569244	693910	4.55%	0.602%
45	20.992	3040	3044	3049	rVV2	963196	1551911	10.19%	1.346%
46	21.045	3050	3053	3060	rVB2	635378	960919	6.31%	0.833%
47	21.262	3081	3090	3095	rBV2	4678527	11517733	75.60%	9.986%
48	21.309	3095	3098	3104	rVB	4951616	6332933	41.57%	5.491%
49	21.421	3114	3117	3124	rBV	678649	1117651	7.34%	0.969%
50	21.574	3139	3143	3149	rBV	713556	1091764	7.17%	0.947%
51	21.627	3149	3152	3156	rBV2	430983	552133	3.62%	0.479%
52	21.815	3182	3184	3188	rVB	949353	1040449	6.83%	0.902%
53	21.868	3190	3193	3199	rVB2	611398	987891	6.48%	0.857%
54	22.015	3214	3218	3221	rBV	536774	688042	4.52%	0.597%
55	22.292	3262	3265	3269	rBV2	331378	506725	3.33%	0.439%
56	22.586	3309	3315	3326	rVB4	546743	1421587	9.33%	1.233%
57	22.839	3351	3358	3363	rBV2	6651807	15234138	100.00%	13.209%
58	23.003	3381	3386	3391	rBV	959269	1529173	10.04%	1.326%
59	23.139	3404	3409	3416	rBV2	414060	1059557	6.96%	0.919%
60	23.315	3432	3439	3444	rBV	2980812	5490398	36.04%	4.760%
61	23.409	3449	3455	3461	rVB	3670417	6440696	42.28%	5.584%
62	23.503	3464	3471	3475	rVV	1778589	3614980	23.73%	3.134%
63	23.550	3475	3479	3486	rVB2	1384495	2717495	17.84%	2.356%
64	25.744	3843	3852	3864	rVB2	2215956	7000287	45.95%	6.070%
65	26.427	3960	3968	3978	rVB	1306647	3723243	24.44%	3.228%

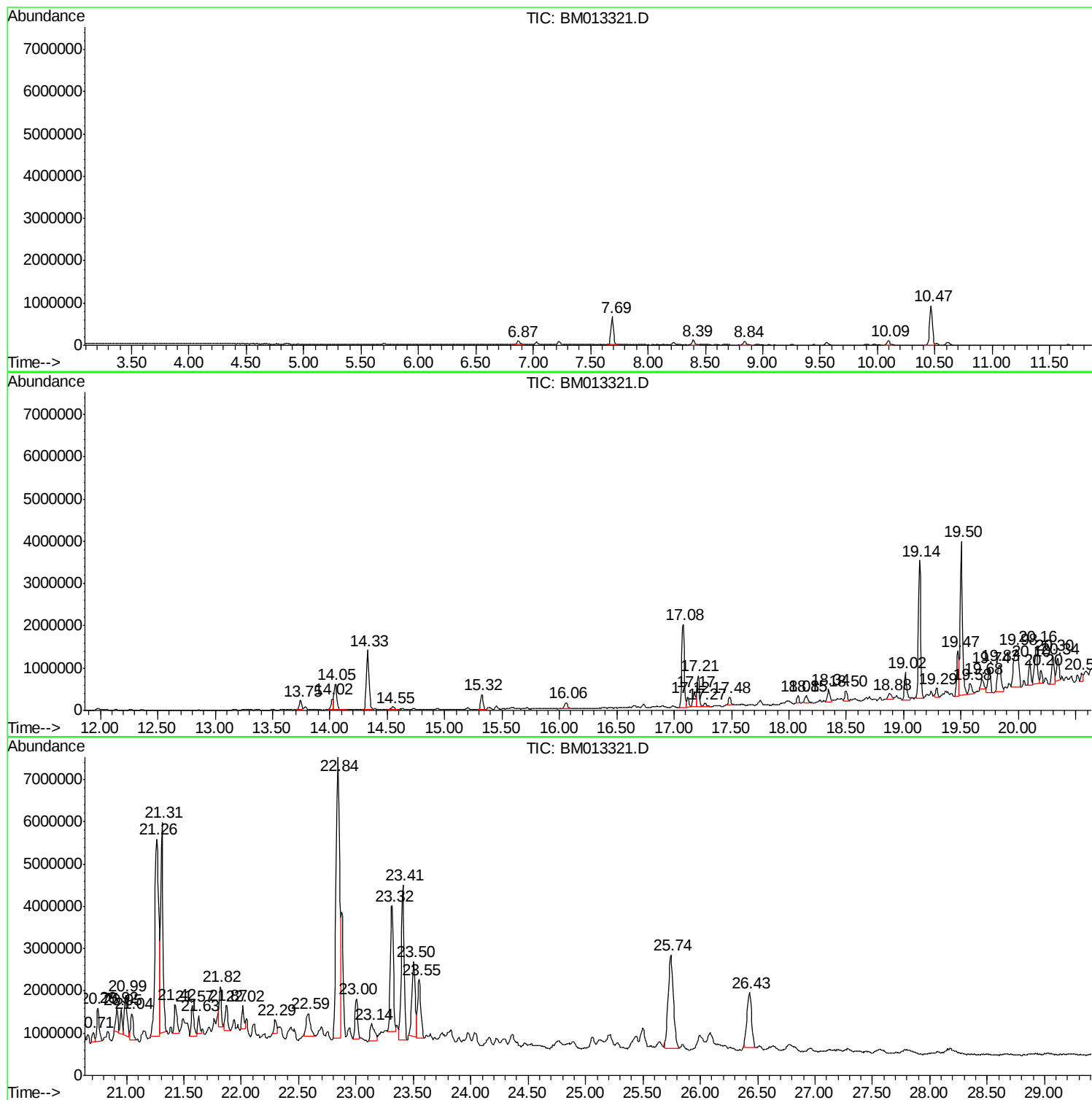
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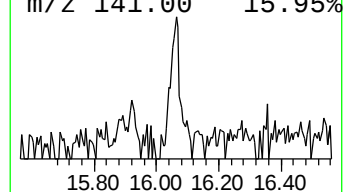
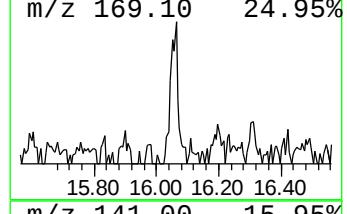
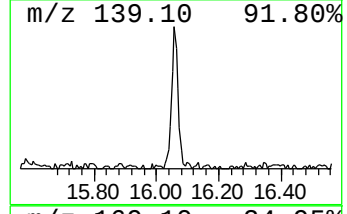
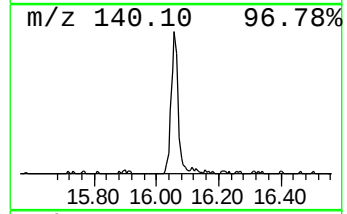
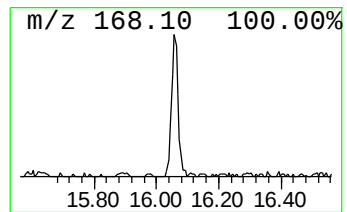
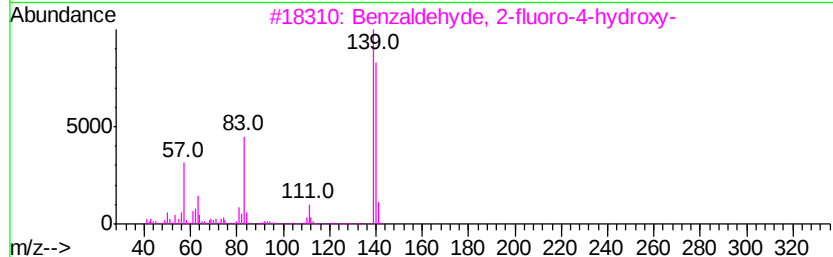
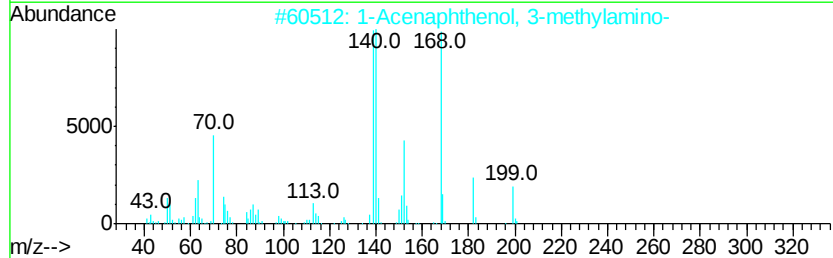
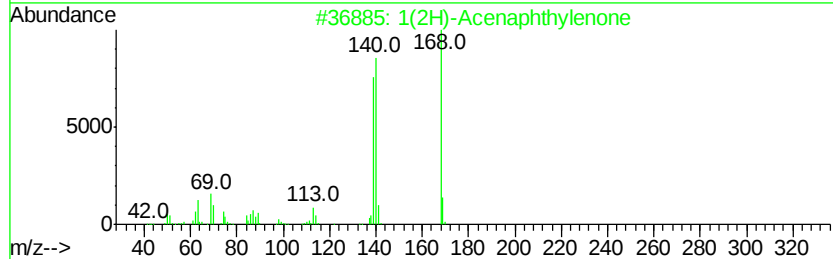
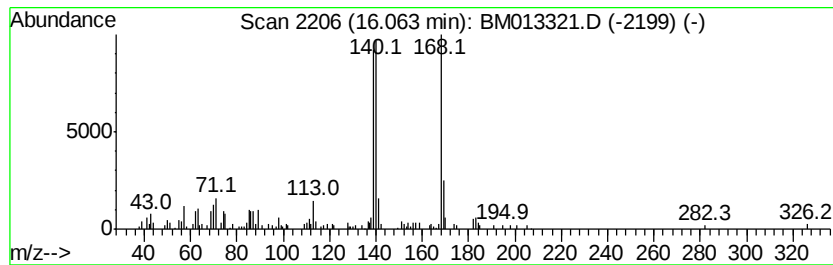
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 1(2H)-Acenaphthylenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.06	2.02 ng/ul	293298	Phenanthrene-d10	17.08		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1(2H)-Acenaphthvlenone	168	C12H8O	002235-15-6	93
2		1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	90
3		Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	50
4		3-Fluorosalicylaldehyde	140	C7H5FO2	000394-50-3	50
5		Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	49



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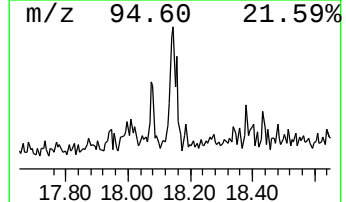
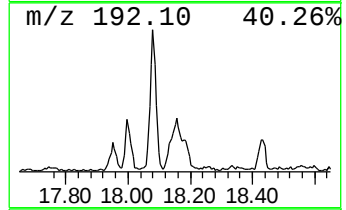
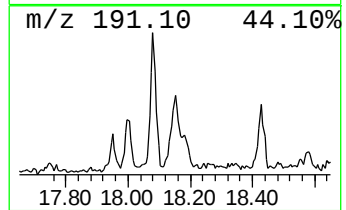
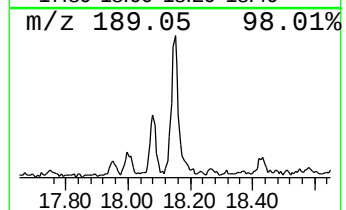
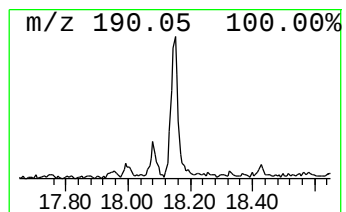
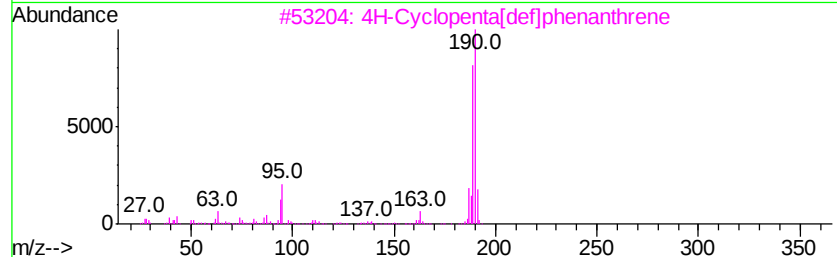
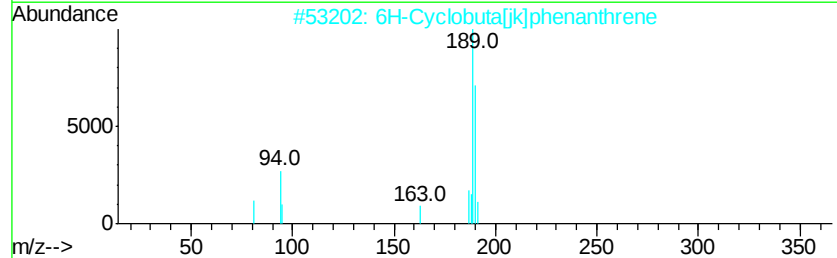
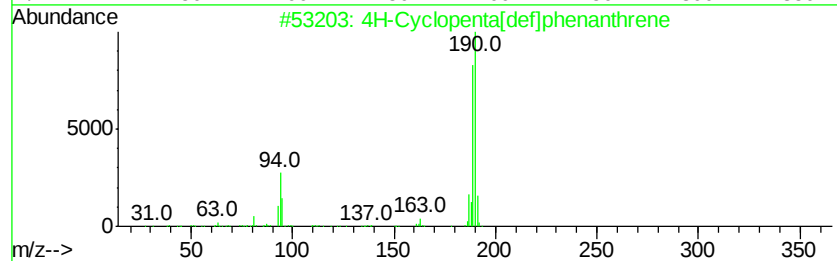
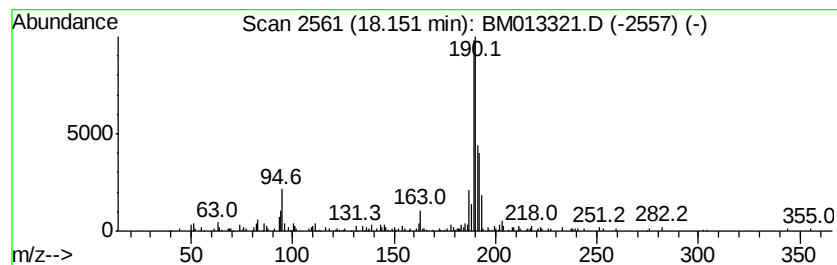
Instrument :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.15	2.51 ng/ul	364290	Phenanthrene-d10	17.08		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70	
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	58	
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52	
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50	
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37	



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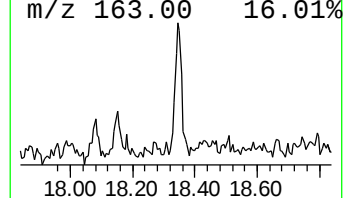
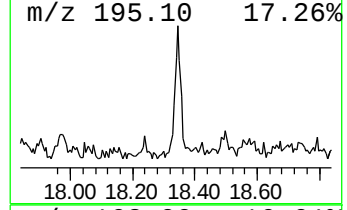
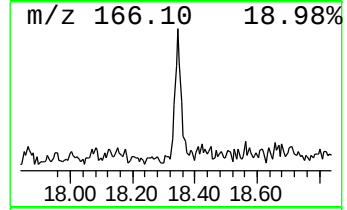
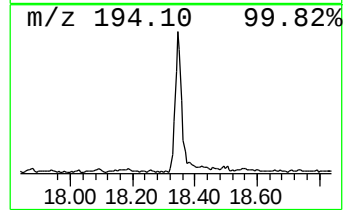
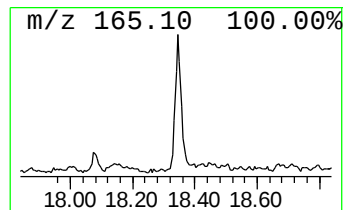
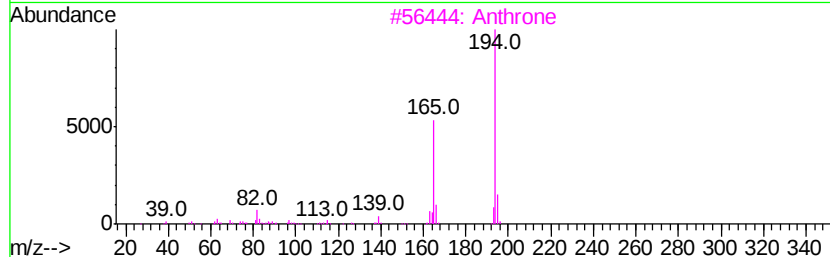
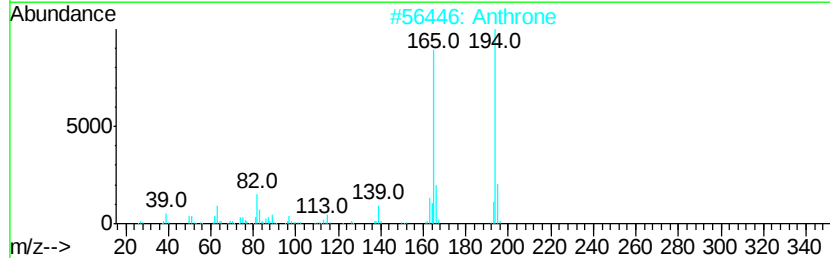
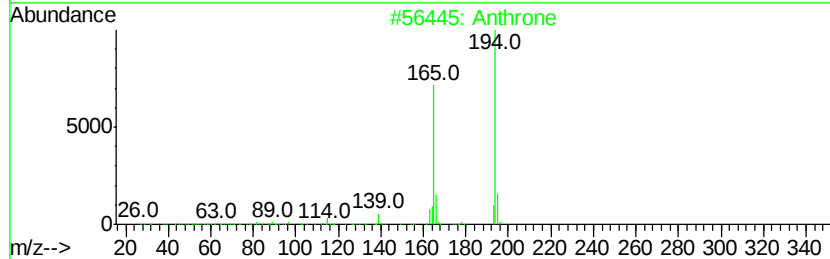
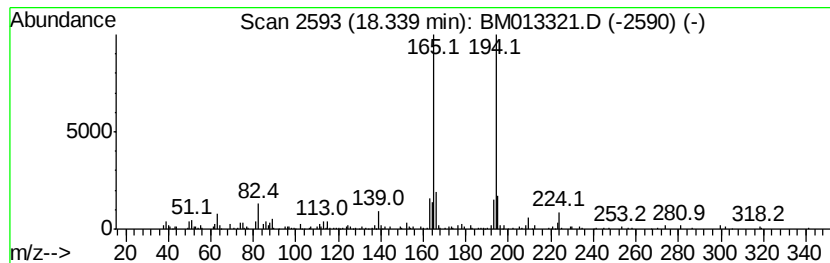
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Peak Number 3 Anthrone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.89 ng/ul	418711	Phenanthrene-d10	17.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone		194	C14H10O	000090-44-8	93
2	Anthrone		194	C14H10O	000090-44-8	93
3	Anthrone		194	C14H10O	000090-44-8	90
4	2-Phenanthrenol		194	C14H10O	000605-55-0	87
5	1-Phenanthrenol		194	C14H10O	002433-56-9	87



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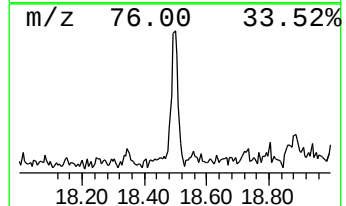
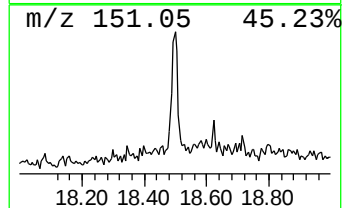
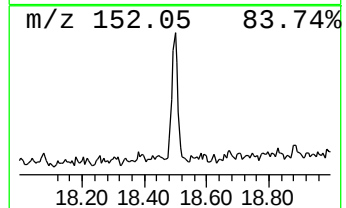
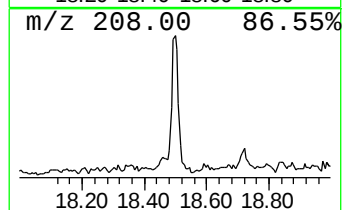
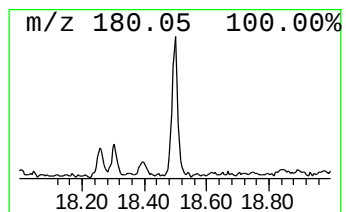
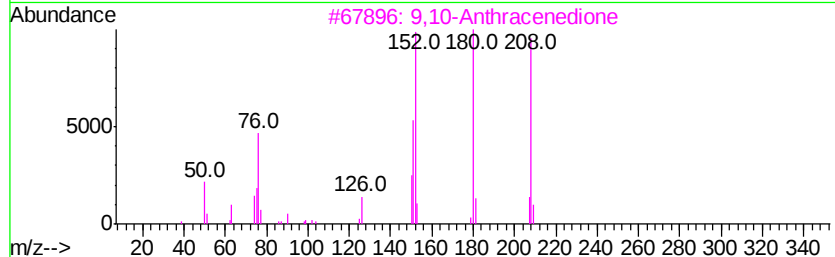
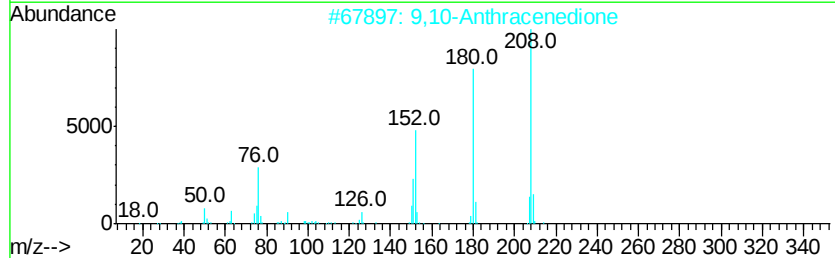
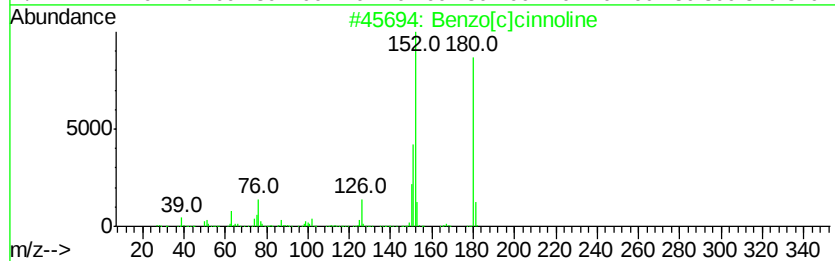
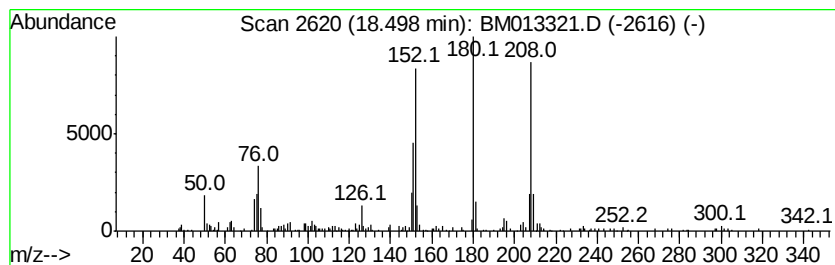
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Peak Number 4 Benzo[c]cinnoline Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	2.26 ng/ul	327893	Phenanthrene-d10	17.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
2			9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3			9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4			9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	78



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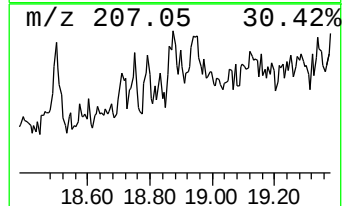
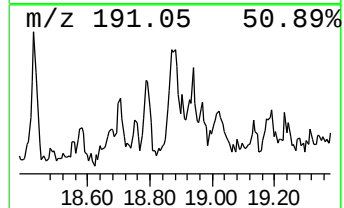
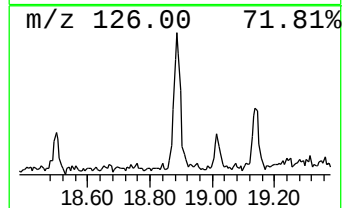
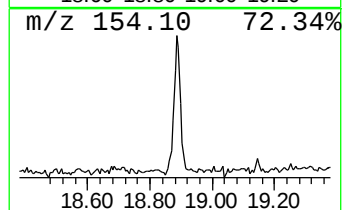
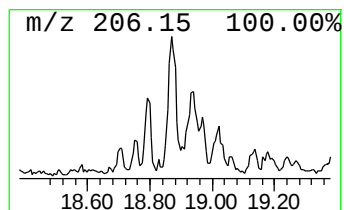
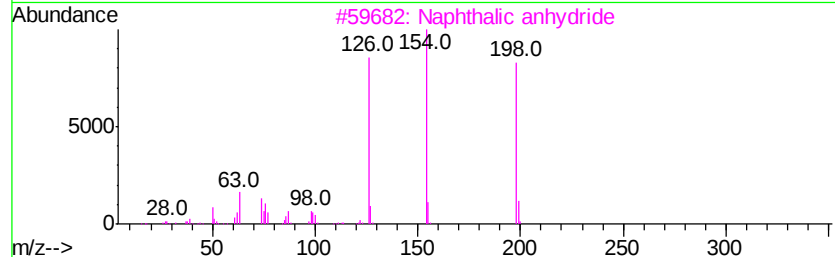
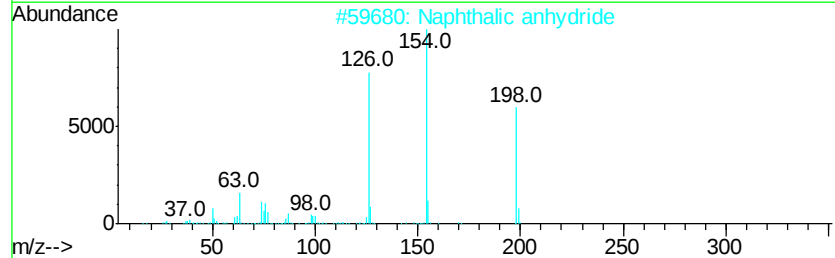
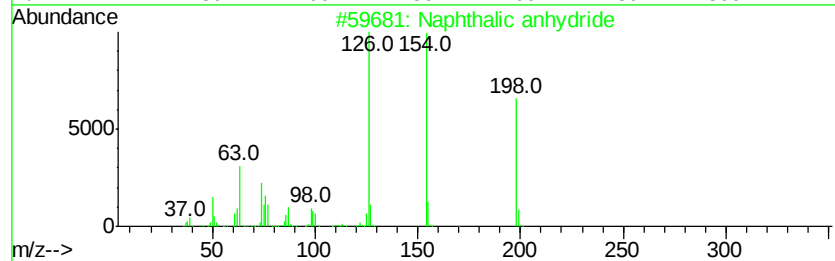
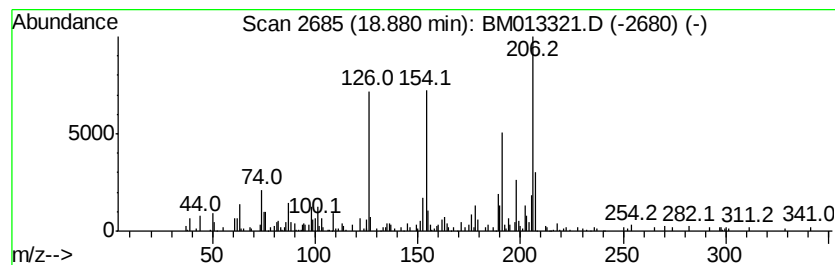
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalic anhydride Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.16 ng/ul	312602	Phenanthrene-d10	17.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalic anhydride	198	C12H6O3	000081-84-5	74
2		Naphthalic anhydride	198	C12H6O3	000081-84-5	74
3		Naphthalic anhydride	198	C12H6O3	000081-84-5	74
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55
5		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55



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Data File : BM013321.D
Acq On : 12 Dec 2017 01:21
Operator : SJ/JU
Sample : I6758-08 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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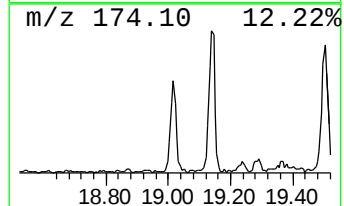
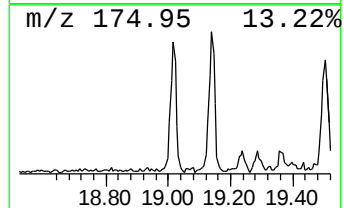
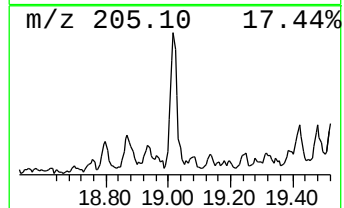
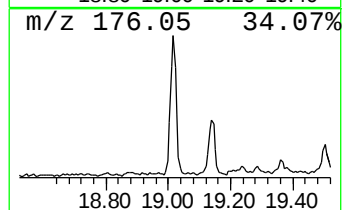
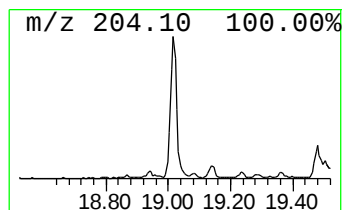
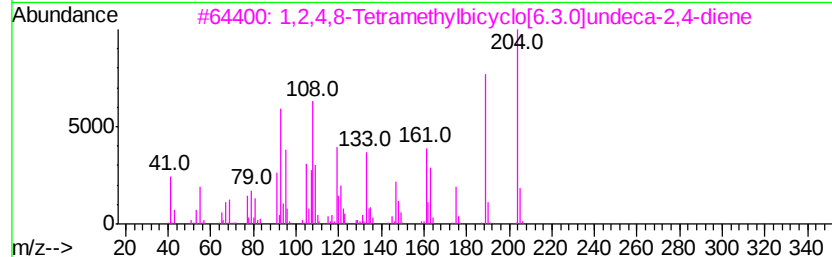
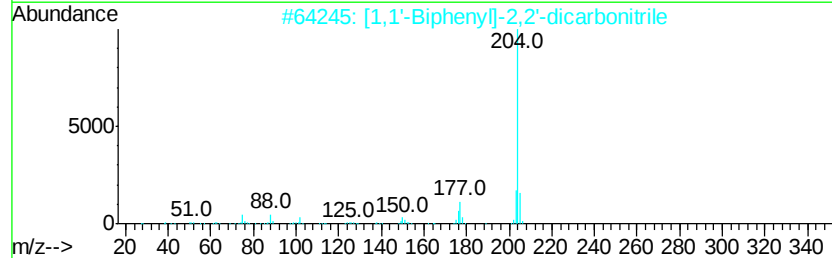
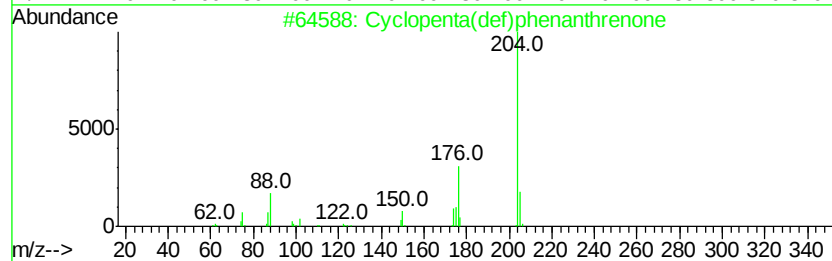
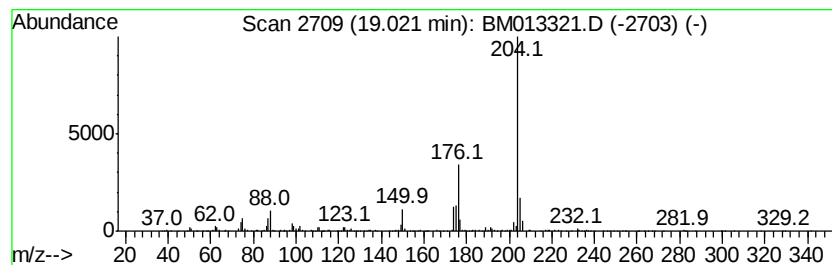
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclopenta(def)phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	6.53 ng/ul	945259	Phenanthrene-d10	17.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrene	204	C15H8O	005737-13-3	90
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	53
4		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
5		Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47



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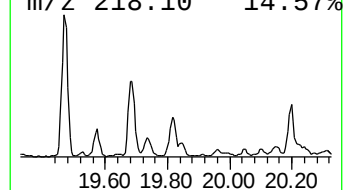
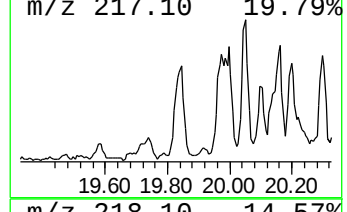
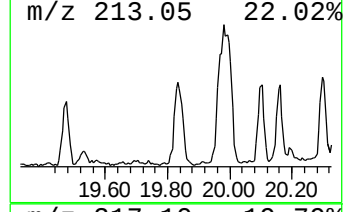
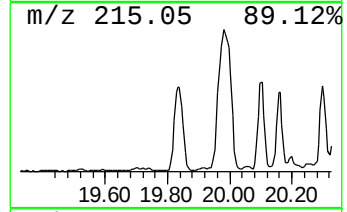
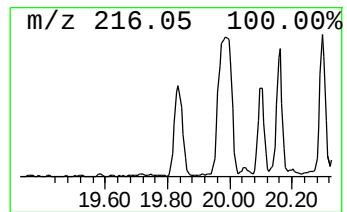
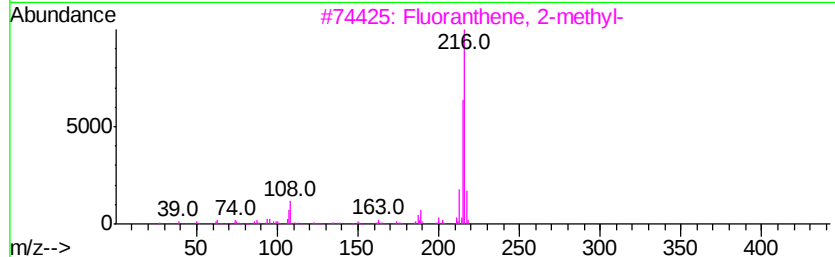
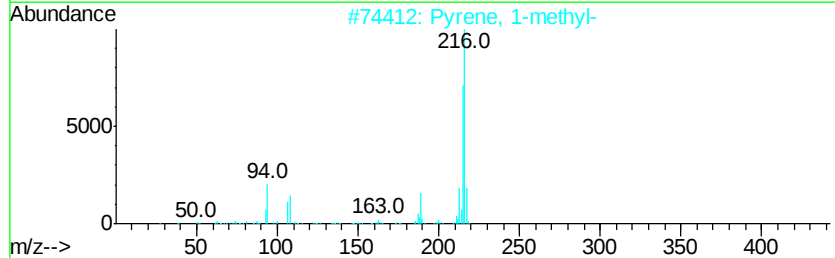
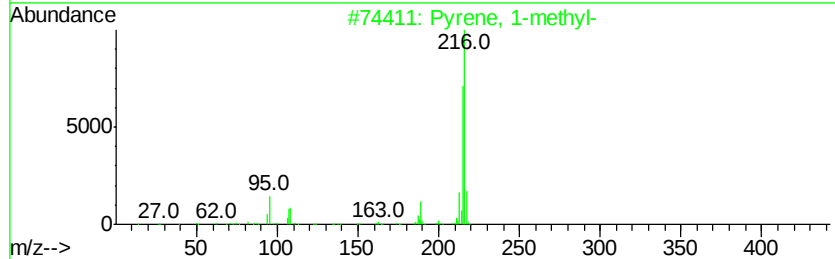
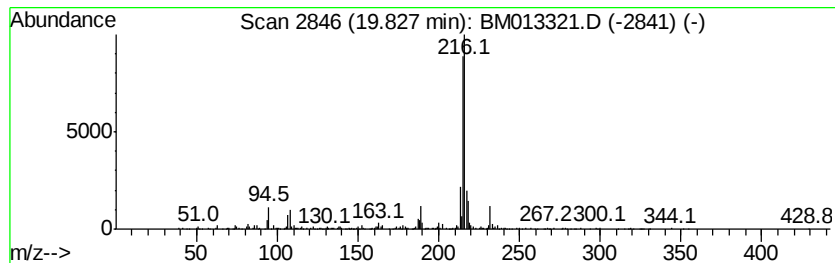
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.55 ng/ul	1468110	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81



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Misc :
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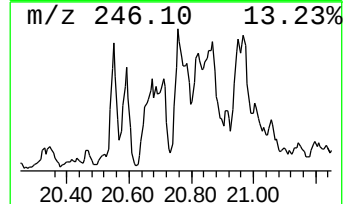
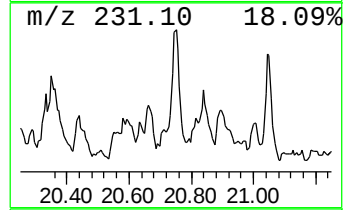
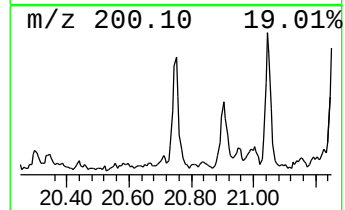
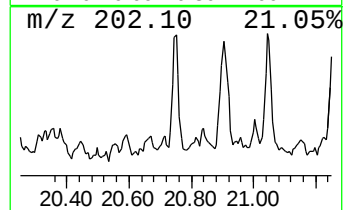
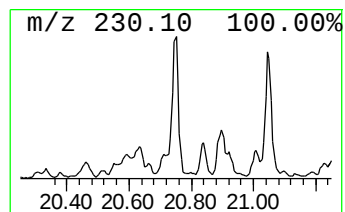
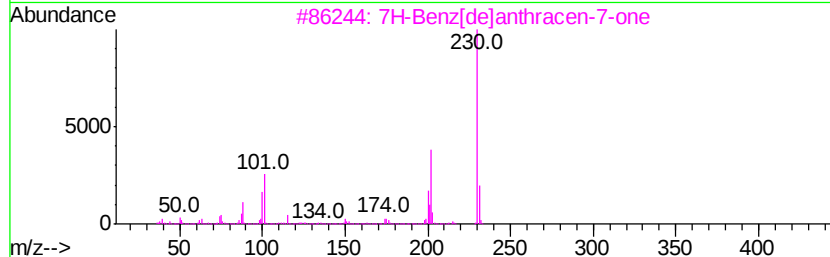
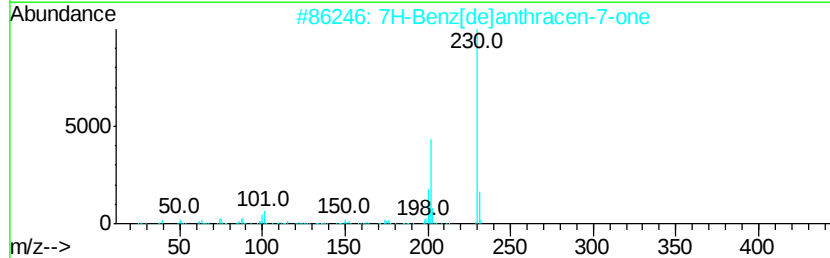
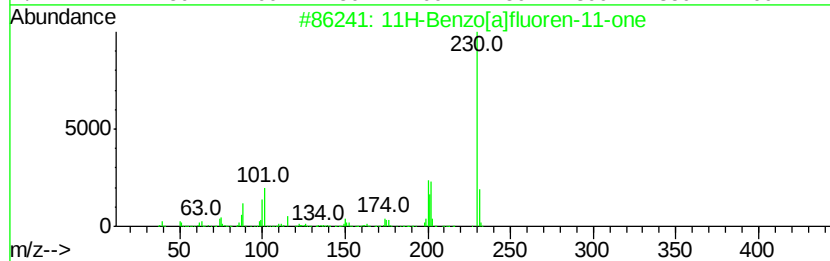
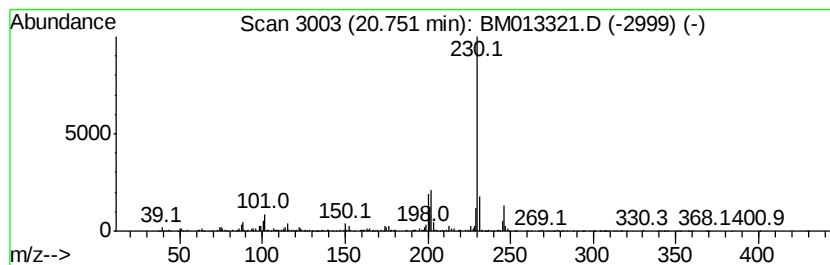
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	2.05 ng/ul	1183000	Chrysene-d12	21.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64



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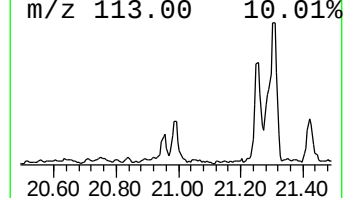
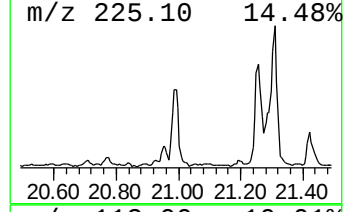
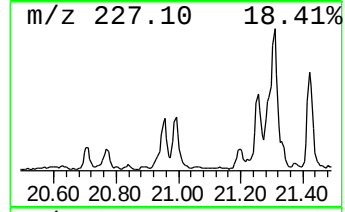
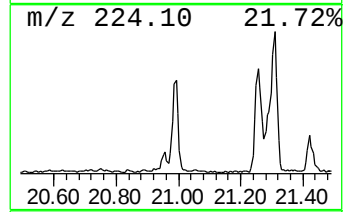
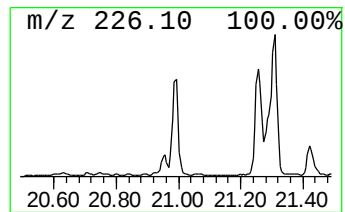
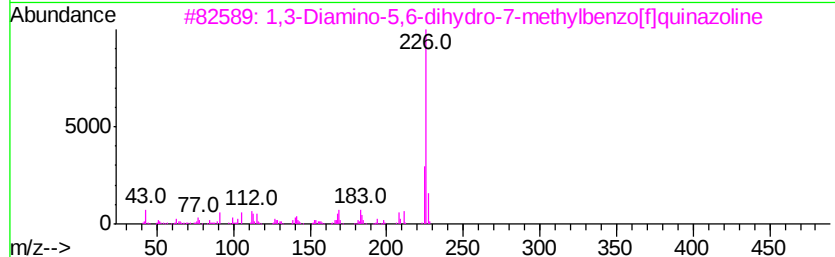
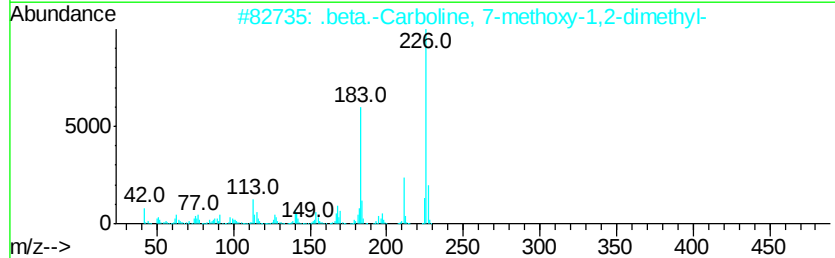
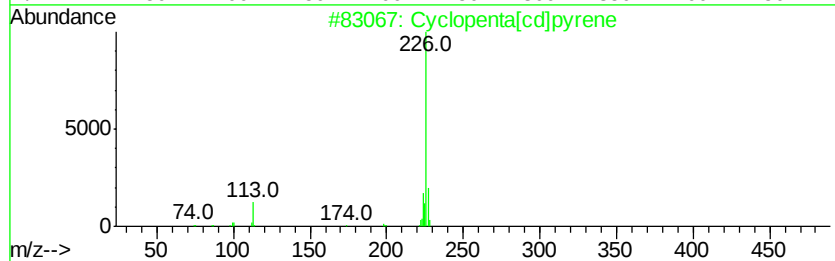
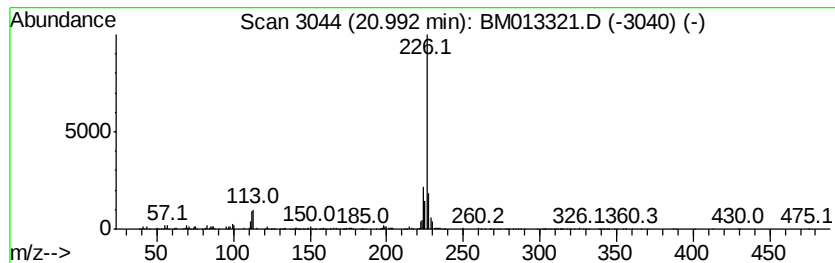
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Cyclopenta[cd]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.69 ng/ul	1551910	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2		.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3		1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
4		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47
5		9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	40



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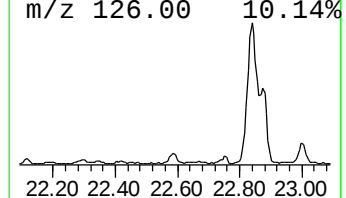
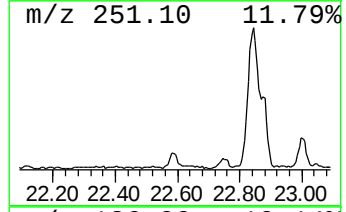
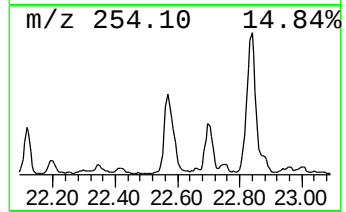
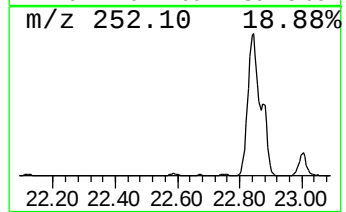
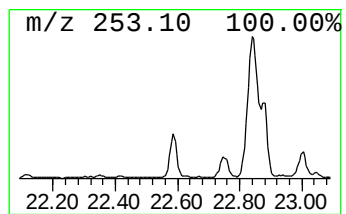
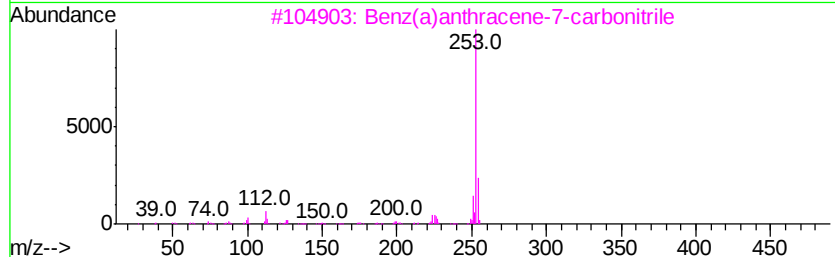
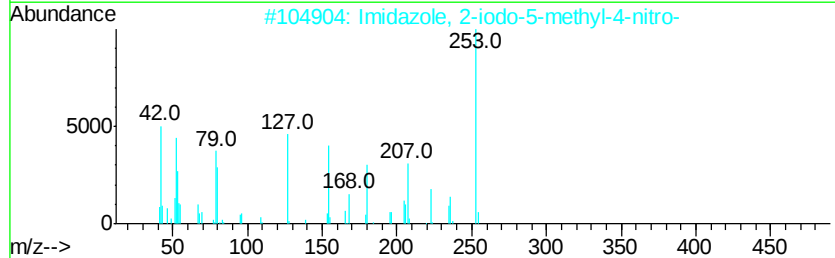
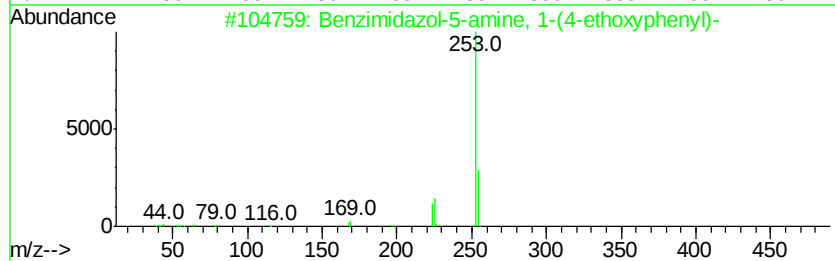
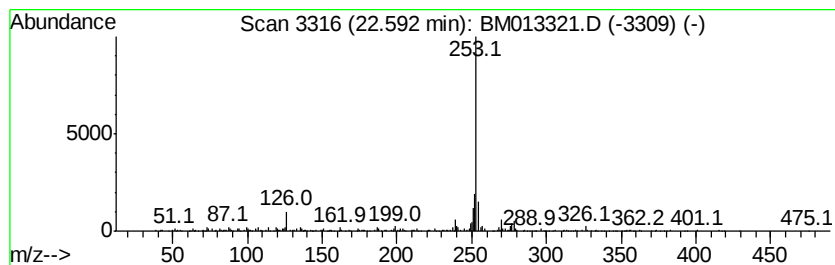
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzimidazol-5-amine, 1-(4-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	7.86 ng/ul	1421590	Perylene-d12	23.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	50
2		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
3		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	42
4		Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	38
5		2-[2-Thienyl]-4-acetyl quinoline	253	C15H11NOS	027302-83-6	33



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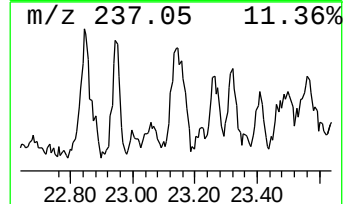
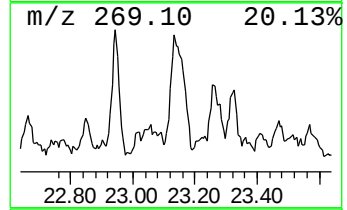
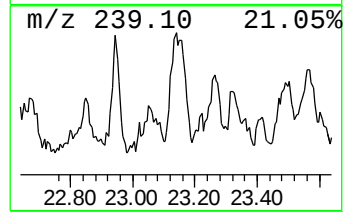
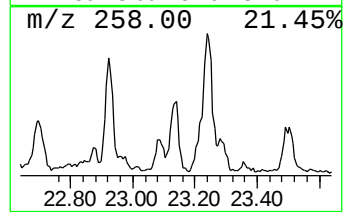
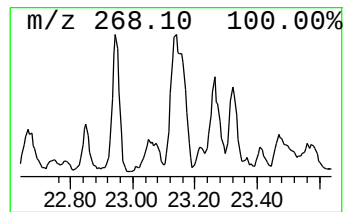
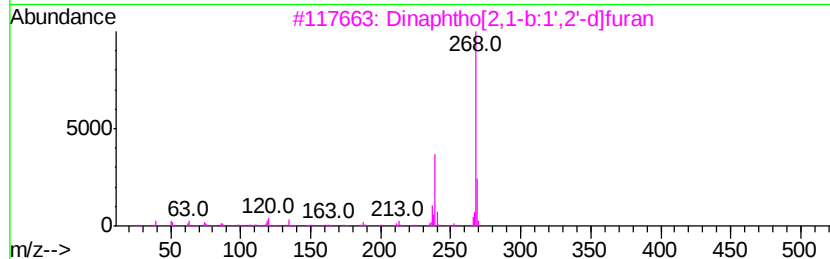
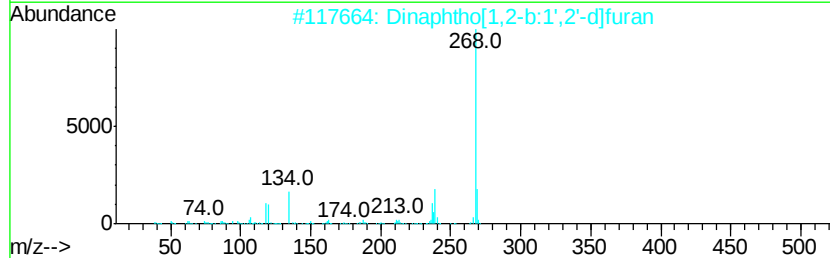
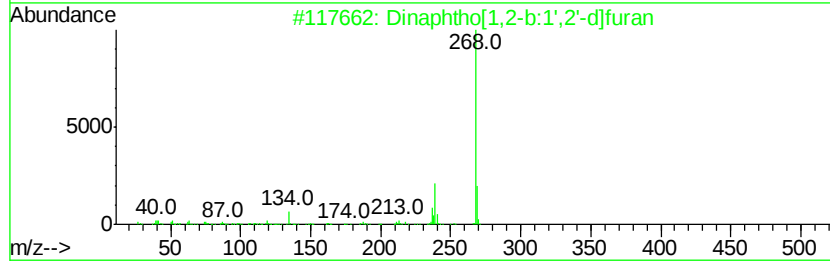
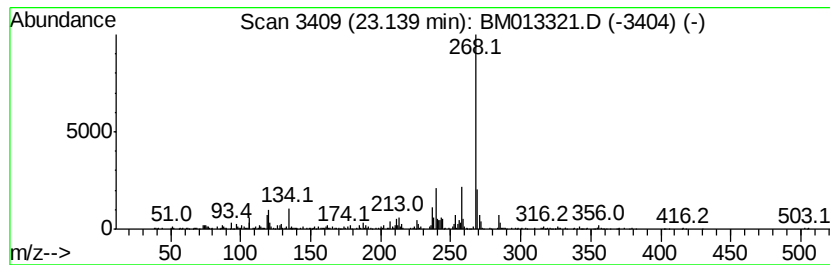
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	5.86 ng/ul	1059560	Perylene-d12	23.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2			Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	68
3			Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
4			Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
5			10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM121117\
 Data File : BM013321.D
 Acq On : 12 Dec 2017 01:21
 Operator : SJ/JU
 Sample : I6758-08 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9B09

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1(2H)-Acenaphthyl...	16.06	2.0	ng/ul	293298	4	17.08	2897190	20.0
4H-Cyclopenta[def...	18.15	2.5	ng/ul	364290	4	17.08	2897190	20.0
Anthrone	18.34	2.9	ng/ul	418711	4	17.08	2897190	20.0
Benzo[c]cinnoline	18.50	2.3	ng/ul	327893	4	17.08	2897190	20.0
Naphthalic anhydride	18.88	2.2	ng/ul	312602	4	17.08	2897190	20.0
Cyclopenta(def)ph...	19.02	6.5	ng/ul	945259	4	17.08	2897190	20.0
Pyrene, 1-methyl-	19.83	2.5	ng/ul	1468110	5	21.27	11517700	20.0
11H-Benzo[a]fluor...	20.75	2.0	ng/ul	1183000	5	21.27	11517700	20.0
Cyclopenta[cd]pyrene	20.99	2.7	ng/ul	1551910	5	21.27	11517700	20.0
Benzimidazol-5-am...	22.59	7.9	ng/ul	1421590	6	23.50	3614980	20.0
Dinaphtho[1,2-b:1...	23.14	5.9	ng/ul	1059560	6	23.50	3614980	20.0