

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020317\
 Data File : BM008970.D
 Acq On : 03 Feb 2017 19:17
 Operator : SJ/MA
 Sample : I1681-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA9

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\SOM02.2-EPA-BM013017.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	3.369	130	133	141	rVB3	24506	33457	1.43%	0.116%
2	7.063	754	761	768	rBV2	89744	140514	5.99%	0.488%
3	7.239	782	791	800	rBV	258842	399279	17.03%	1.387%
4	7.439	817	825	831	rBV	351911	537963	22.94%	1.869%
5	7.910	899	905	912	rBV2	323910	500686	21.35%	1.739%
6	8.604	1017	1023	1030	rBV	241178	379329	16.18%	1.318%
7	9.075	1094	1103	1111	rBV	449504	711953	30.36%	2.473%
8	9.798	1217	1226	1235	rBV	394744	659817	28.14%	2.292%
9	10.327	1305	1316	1326	rBV	498682	810972	34.59%	2.817%
10	10.674	1366	1375	1376	rBV5	17045	28659	1.22%	0.100%
11	10.716	1376	1382	1390	rVB	362847	622732	26.56%	2.163%
12	11.716	1547	1552	1556	rBV3	17030	29367	1.25%	0.102%
13	12.233	1633	1640	1646	rBV4	37832	65698	2.80%	0.228%
14	13.192	1799	1803	1809	rVB5	34716	46117	1.97%	0.160%
15	13.427	1838	1843	1848	rVB2	20238	28119	1.20%	0.098%
16	13.910	1919	1925	1927	rBV3	58239	76678	3.27%	0.266%
17	13.957	1927	1933	1940	rVB	818183	1176901	50.19%	4.088%
18	14.145	1961	1965	1970	rBV3	21843	30317	1.29%	0.105%
19	14.245	1975	1982	1992	rVB	811465	1213280	51.75%	4.215%
20	14.551	2025	2034	2041	rBV	533928	759755	32.40%	2.639%
21	14.733	2059	2065	2074	rBV3	83231	149798	6.39%	0.520%
22	15.039	2111	2117	2121	rBV5	14709	23995	1.02%	0.083%
23	15.545	2196	2203	2209	rBV	1057658	1511077	64.45%	5.249%
24	15.656	2215	2222	2235	rBV2	651566	958131	40.86%	3.328%
25	16.204	2312	2315	2321	rVB4	45340	58068	2.48%	0.202%
26	16.392	2344	2347	2352	rVB7	18843	27172	1.16%	0.094%
27	16.509	2361	2367	2374	rBV7	41793	83304	3.55%	0.289%
28	16.574	2374	2378	2383	rBV7	53117	78718	3.36%	0.273%
29	16.780	2403	2413	2420	rBV7	35819	82025	3.50%	0.285%
30	16.874	2422	2429	2437	rBV	1345357	1874454	79.94%	6.511%
31	17.115	2466	2470	2475	rBV6	44788	71663	3.06%	0.249%
32	17.245	2489	2492	2495	rBV4	23325	27768	1.18%	0.096%
33	17.298	2495	2501	2508	rVB	683310	975344	41.60%	3.388%
34	17.392	2511	2517	2523	rBV	1241165	1792916	76.47%	6.228%

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35	17.445	2523	2526	2531	rVB6	72127	98153	4.19%	0.341%
36	17.527	2534	2540	2542	rBV3	164617	235378	10.04%	0.818%
37	17.609	2549	2554	2562	rVB3	392566	644724	27.50%	2.240%
38	17.780	2577	2583	2586	rBV8	52790	89042	3.80%	0.309%
39	18.050	2625	2629	2635	rBV9	44671	78370	3.34%	0.272%
40	18.168	2645	2649	2655	rBV8	45661	66214	2.82%	0.230%
41	18.462	2695	2699	2704	rVB8	48724	67010	2.86%	0.233%
42	18.686	2732	2737	2742	rBV	882888	1222874	52.15%	4.248%
43	18.745	2744	2747	2756	rVB9	133093	215116	9.17%	0.747%
44	18.921	2775	2777	2782	rVB6	70309	88531	3.78%	0.308%
45	19.156	2813	2817	2822	rBV8	152690	201367	8.59%	0.699%
46	19.286	2834	2839	2848	rBV5	271951	446695	19.05%	1.552%
47	19.444	2862	2866	2870	rBV6	78321	116828	4.98%	0.406%
48	19.686	2901	2907	2912	rBV	1748776	2344720	100.00%	8.145%
49	20.009	2960	2962	2965	rBV4	52422	44411	1.89%	0.154%
50	20.244	2998	3002	3005	rVB6	80660	106949	4.56%	0.372%
51	20.815	3094	3099	3103	rVB5	321858	424335	18.10%	1.474%
52	20.880	3107	3110	3115	rVB5	95278	140517	5.99%	0.488%
53	21.262	3171	3175	3180	rBV7	113469	151704	6.47%	0.527%
54	21.391	3192	3197	3203	rBV6	358173	497845	21.23%	1.729%
55	21.462	3205	3209	3217	rVV	1145757	1567585	66.86%	5.445%
56	21.568	3223	3227	3232	rVB6	236653	353479	15.08%	1.228%
57	23.668	3577	3584	3592	rVB	1217307	2316205	98.78%	8.046%
58	23.821	3603	3610	3618	rVB	629203	1303857	55.61%	4.529%

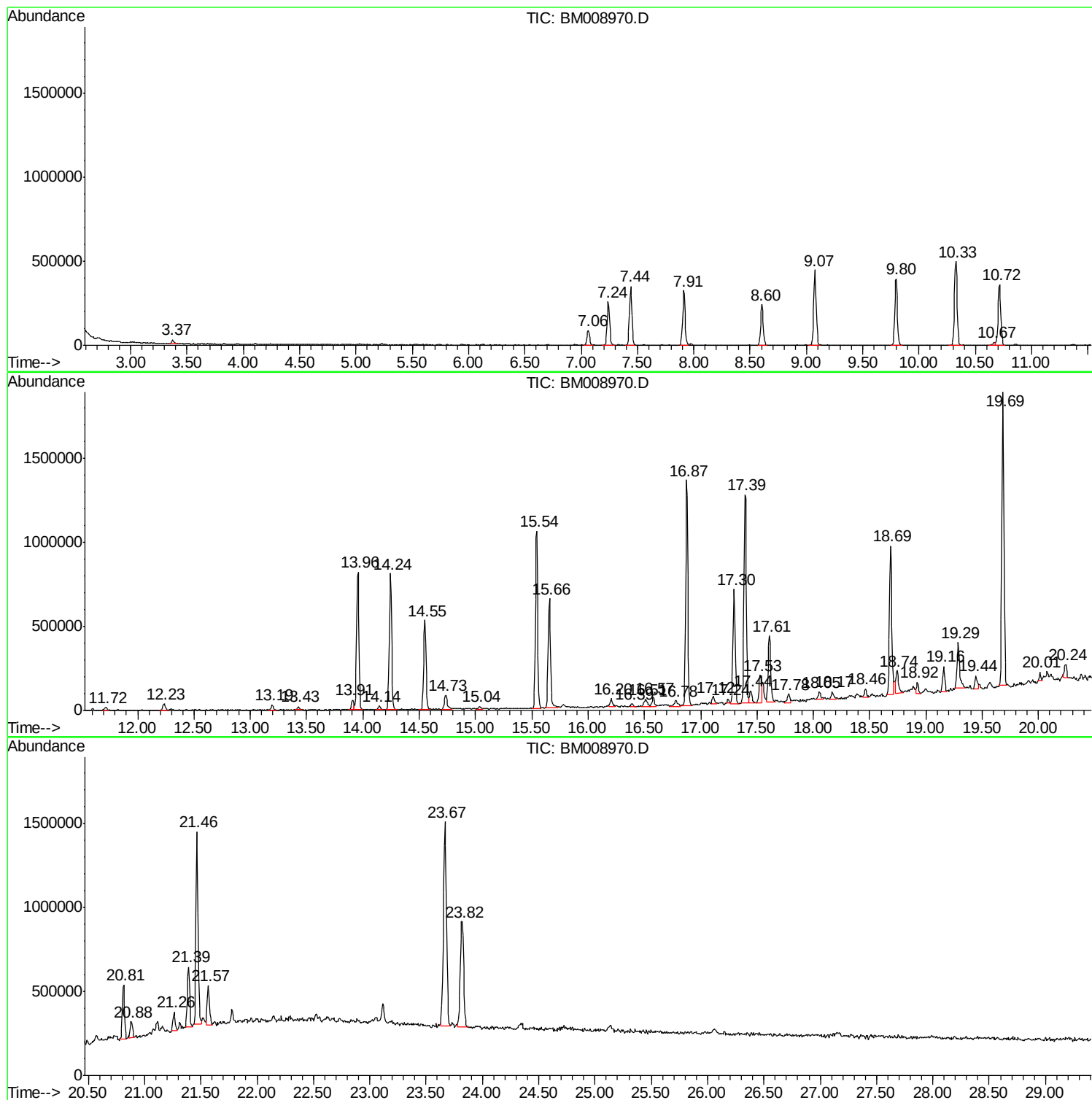
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

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



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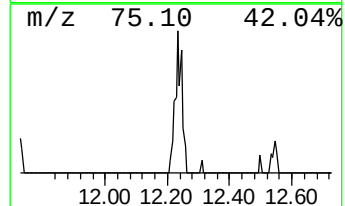
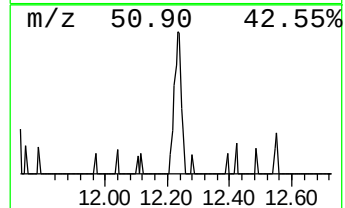
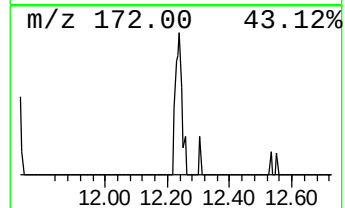
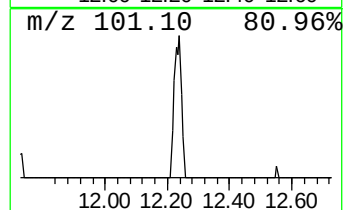
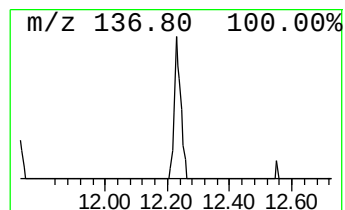
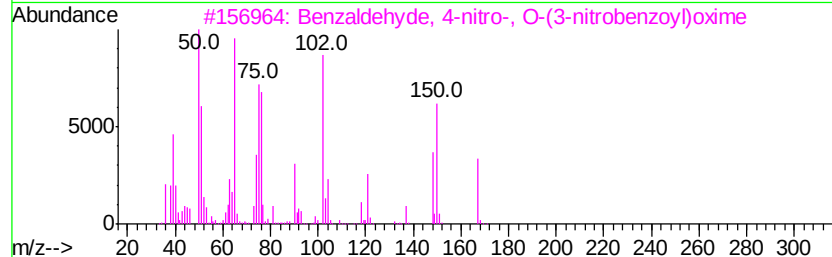
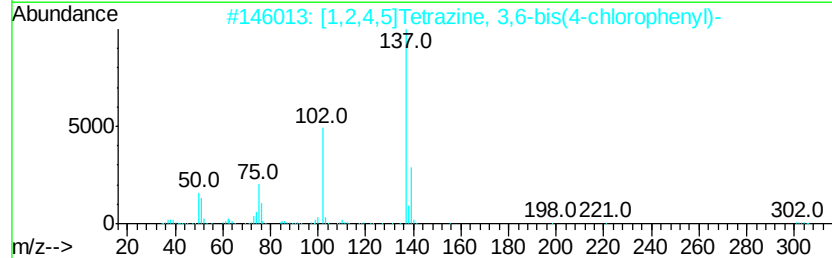
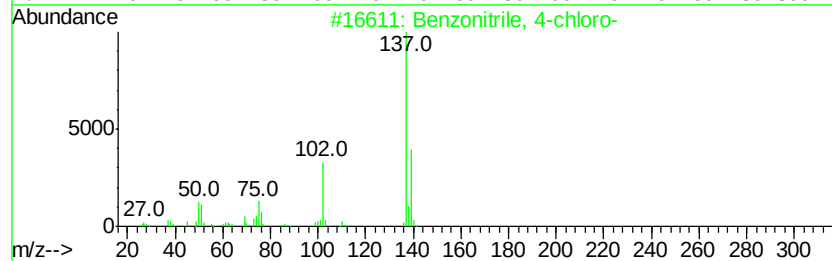
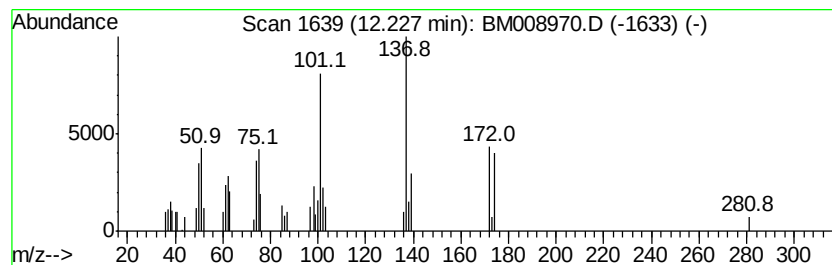
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	2.11 ng/ul	65698	Napthalene-d8	10.72
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzonitrile, 4-chloro-	137 C7H4ClN	000623-03-0 38
2		[1,2,4,5]Tetrazine, 3,6-bis(4-ch...	302 C14H8Cl2N4	1000302-90-8 38
3		Benzaldehyde, 4-nitro-, O-(3-nit...	315 C14H9N3O6	1000259-29-1 25
4		2,3-Dihydroindole-4-ol-2-one, 5,...	333 C10H9Br2N02	1000129-51-0 25
5		1-(2-Chlorophenylsulfonyl)-2-(3-...	292 C10H13ClN2O4S	1000222-88-4 16



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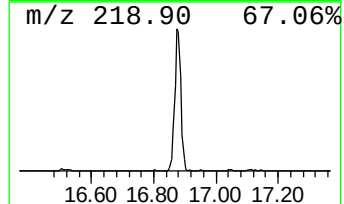
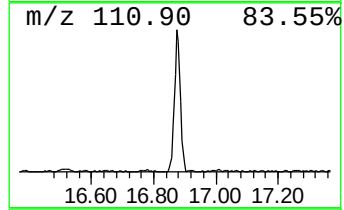
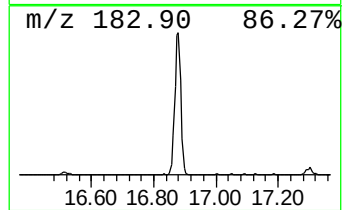
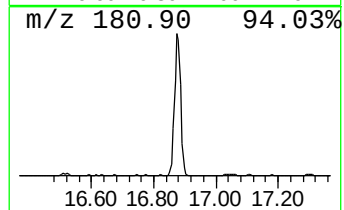
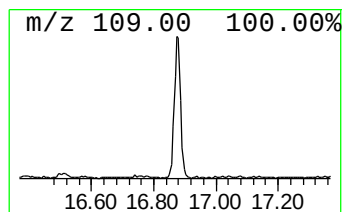
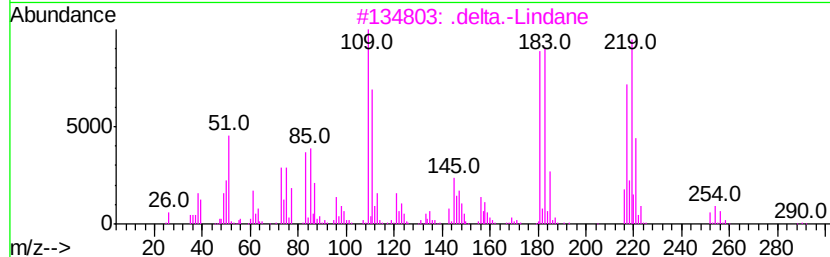
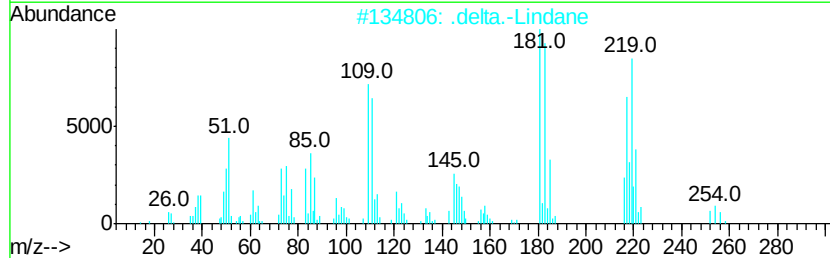
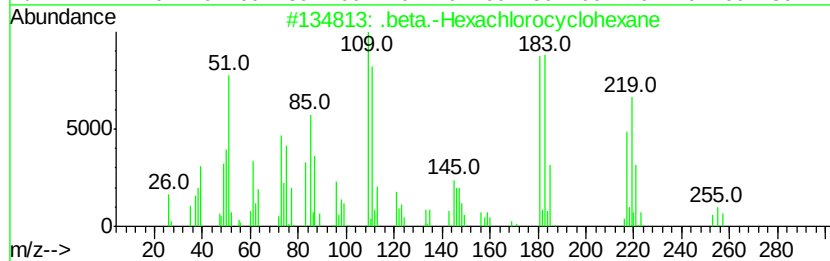
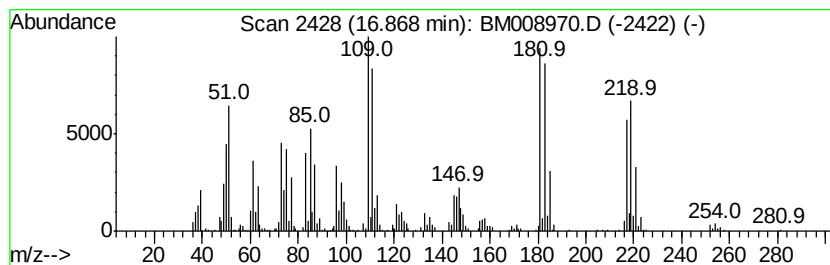
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 .beta.-Hexachlorocyclohexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.			
16.87	38.44 ng/ul	1874450	Phenanthrene-d10	17.30			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	beta.	-Hexachlorocyclohexane	288	C6H6Cl6	000319-85-7	76
2	.	delta.	-Lindane	288	C6H6Cl6	000319-86-8	64
3	.	delta.	-Lindane	288	C6H6Cl6	000319-86-8	59
4	.	alpha.	-Lindane	288	C6H6Cl6	000319-84-6	58
5	.	beta.	-Hexachlorocyclohexane	288	C6H6Cl6	000319-85-7	58



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ALS Vial : 4 Sample Multiplier: 1

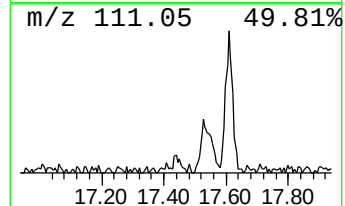
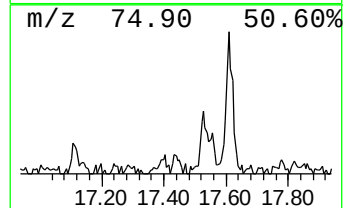
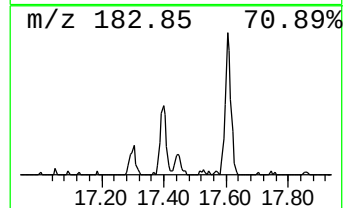
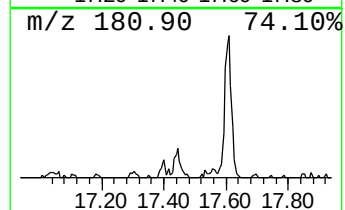
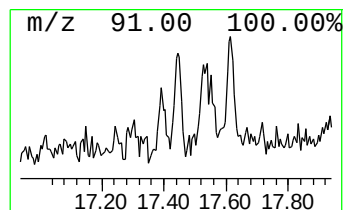
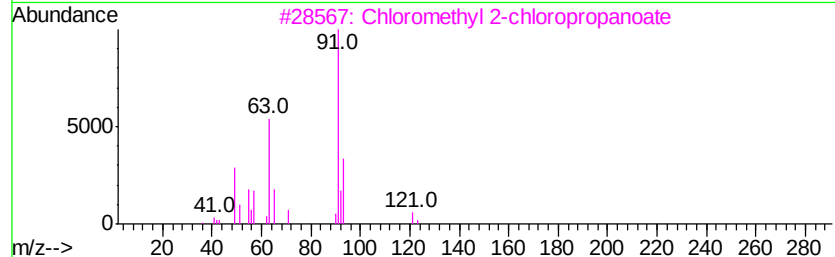
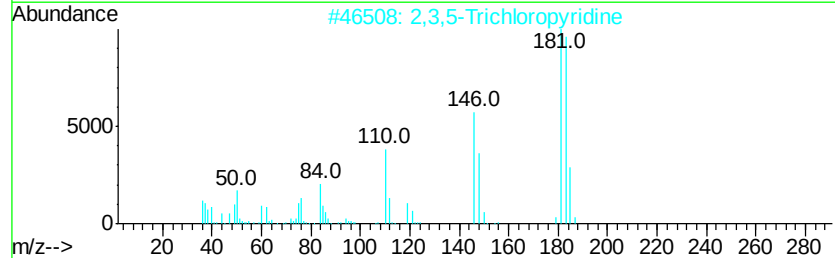
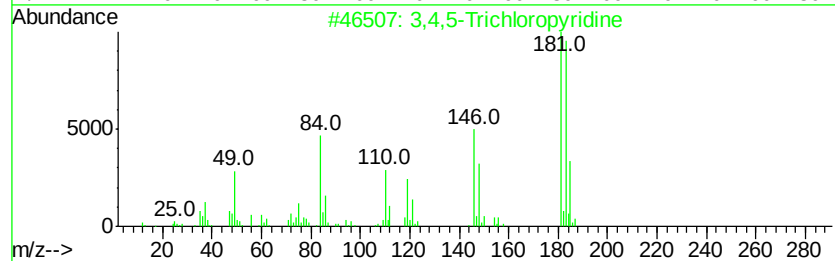
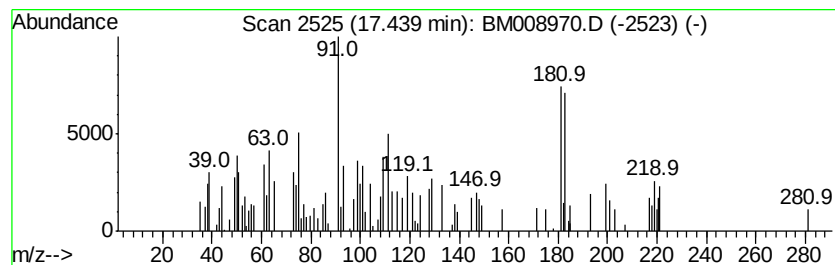
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.44	2.01 ng/ul	98153	Phenanthrene-d10	17.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4,5-Trichloropyridine	181	C5H2Cl3N	033216-52-3	22
2	2,3,5-Trichloropyridine	181	C5H2Cl3N	016063-70-0	15
3	Chloromethyl 2-chloropropanoate	156	C4H6Cl2O2	013398-02-2	12
4	Benzonitrile, 2-bromo-	181	C7H4BrN	002042-37-7	10
5	3-Hydroxy-4-nitrobenzoic acid	183	C7H5NO5	000619-14-7	10



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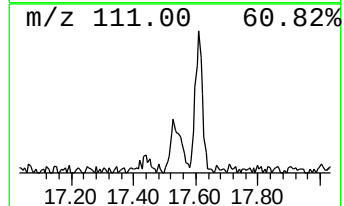
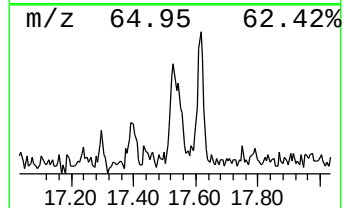
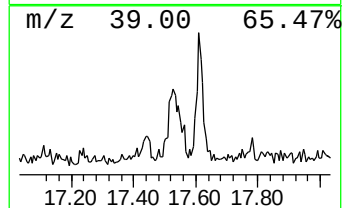
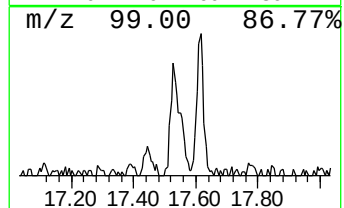
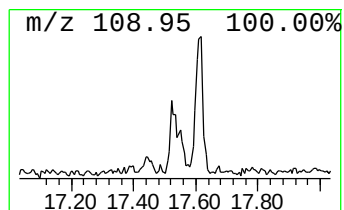
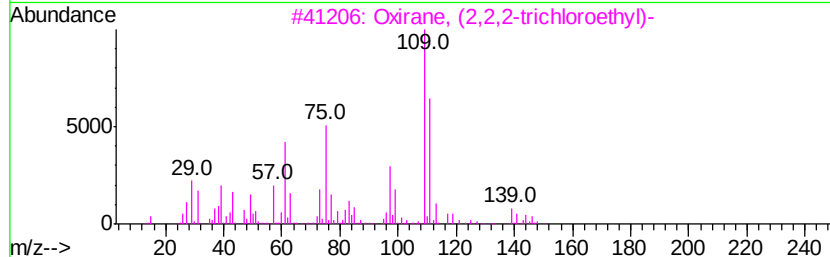
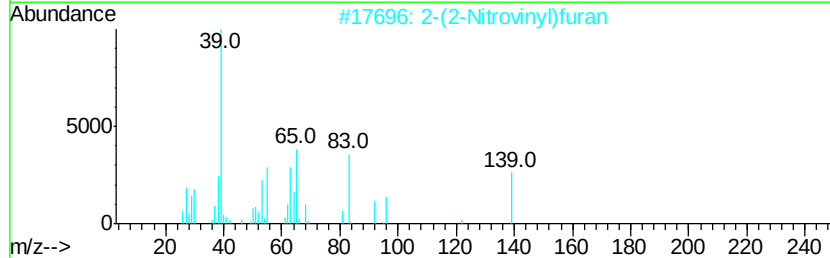
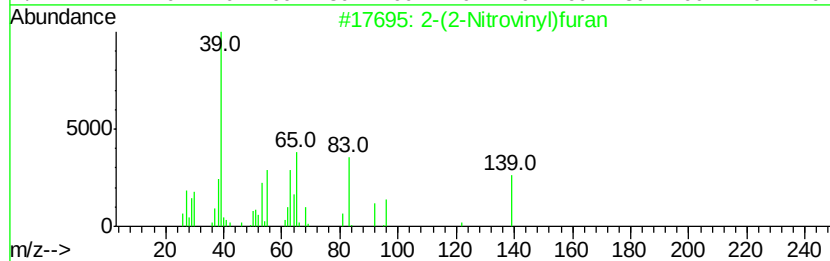
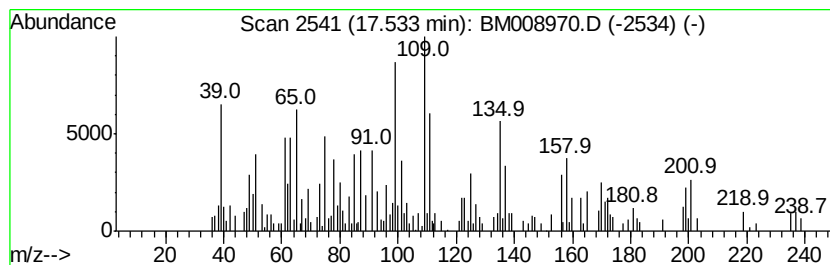
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	4.83 ng/ul	235378	Phenanthrene-d10	17.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-(2-Nitrovinyl)furan	139	C6H5NO3	000699-18-3	27
2			2-(2-Nitrovinyl)furan	139	C6H5NO3	000699-18-3	27
3			Oxirane, (2,2,2-trichloroethyl)-	174	C4H5Cl3O	003083-25-8	14
4			o-Nitroaniline	138	C6H6N2O2	000088-74-4	10
5			Benzofurazan, 4,5,6,7-tetrahydro...	169	C6H7N3O3	1000262-66-9	10



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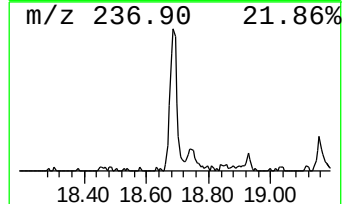
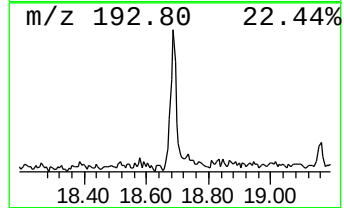
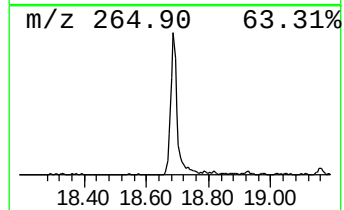
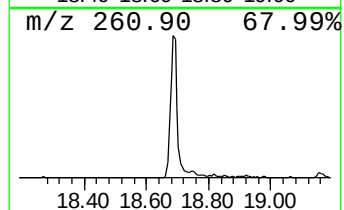
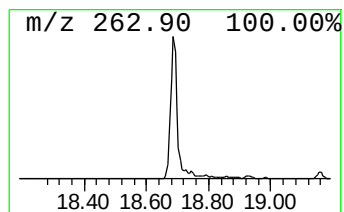
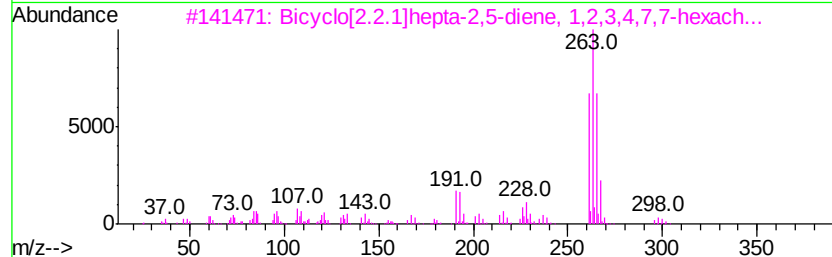
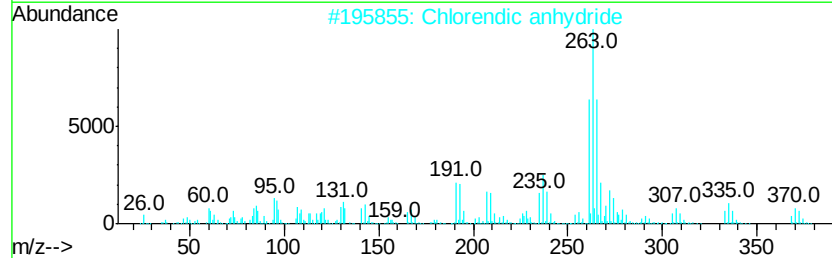
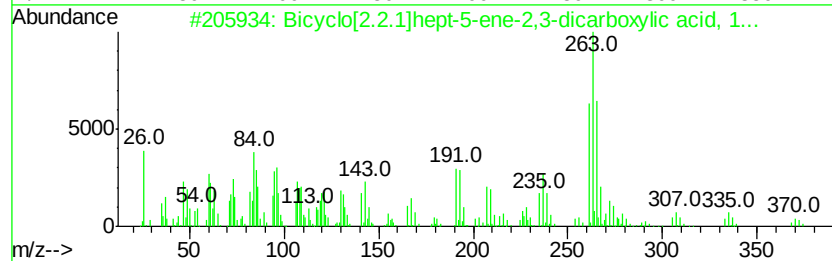
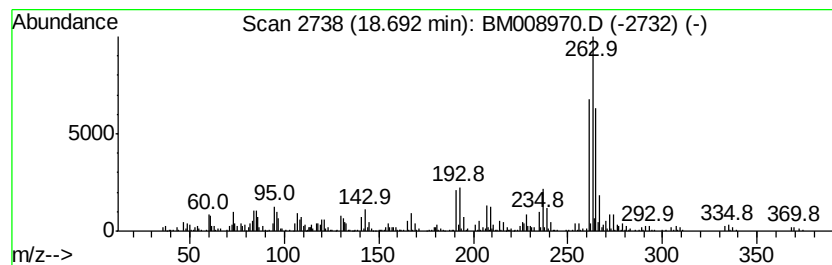
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Bicyclo[2.2.1]hept-5-ene-2,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	25.08 ng/ul	1222870	Phenanthrene-d10	17.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]hept-5-ene-2,3-dic...	386	C9H4Cl6O4	000115-28-6	91
2		Chlorendic anhydride	368	C9H2Cl6O3	000115-27-5	80
3		Bicyclo[2.2.1]hepta-2,5-diene, 1...	296	C7H2Cl6	003389-71-7	64
4		Bicyclo[2.2.1]hepta-2,5-diene, 1...	296	C7H2Cl6	003389-71-7	53
5		Alpha,2,3,4,5,6-hexachlorotoluene	296	C7H2Cl6	002136-78-9	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM020317\
Data File : BM008970.D
Acq On : 03 Feb 2017 19:17
Operator : SJ/MA
Sample : I1681-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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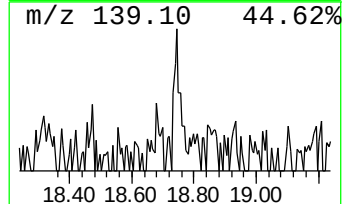
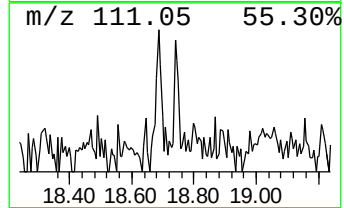
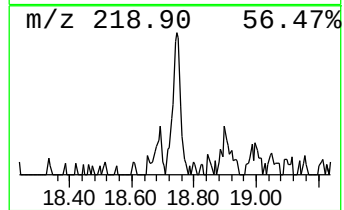
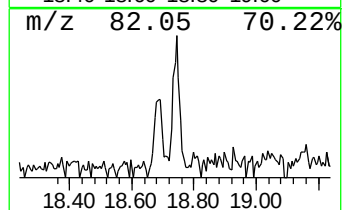
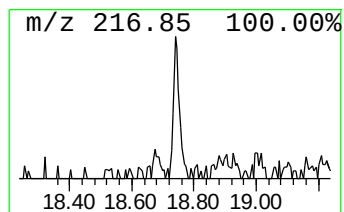
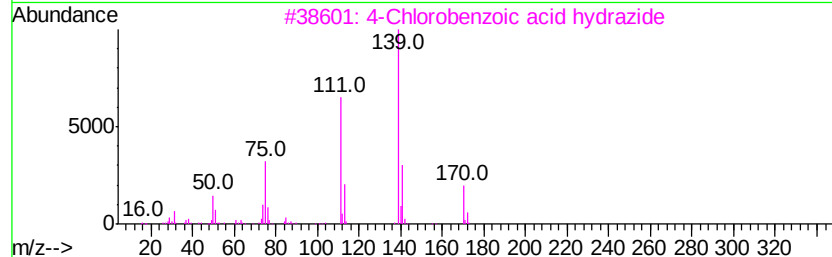
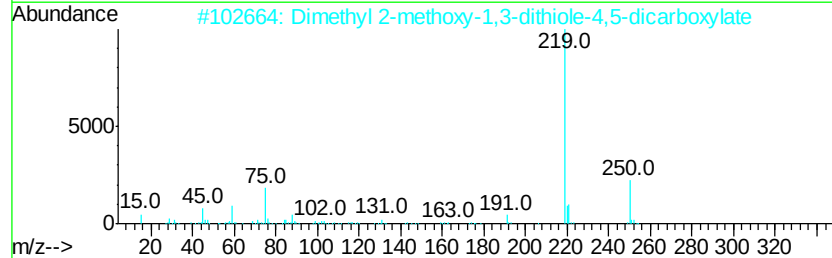
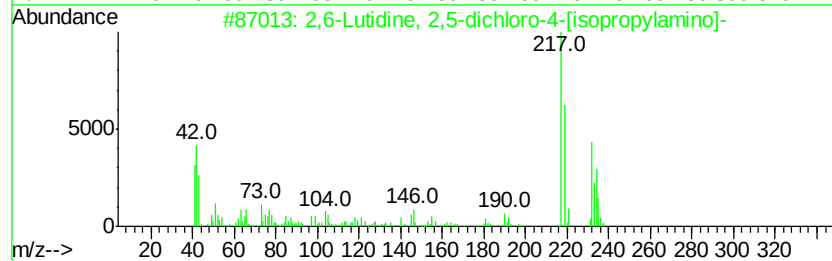
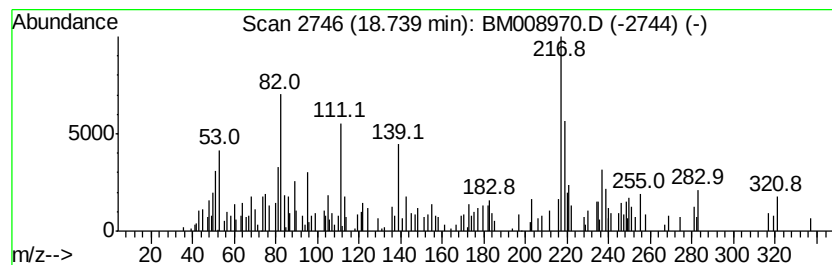
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	4.41 ng/ul	215116	Phenanthrene-d10	17.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Lutidine, 2,5-dichloro-4-[is...	232	C10H14Cl2N2	1000253-45-6	12		
2	Dimethyl 2-methoxy-1,3-dithiole-...	250	C8H10O5S2	026314-42-1	11		
3	4-Chlorobenzoic acid hydrazide	170	C7H7ClN2O	000536-40-3	11		
4	1,2-Benzenedicarboxylic acid, 4-...	250	C14H18O4	055044-59-2	11		
5	Methanone, (3-chlorophenyl)(5-cy...	320	C17H21ClN2O2	337497-71-9	10		



Data Path : Z:\HPCHEM1\BNA M\DATA\BM020317\
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Sample : I1681-01
Misc :
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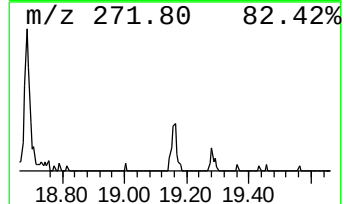
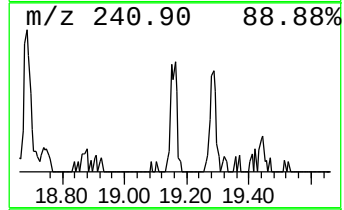
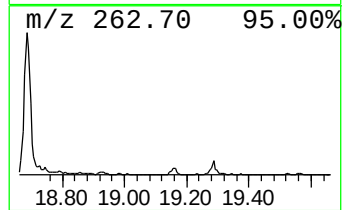
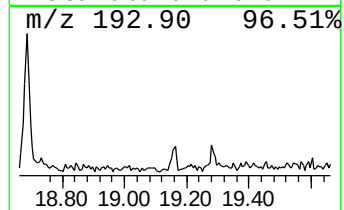
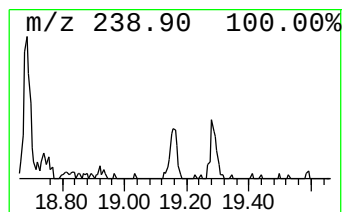
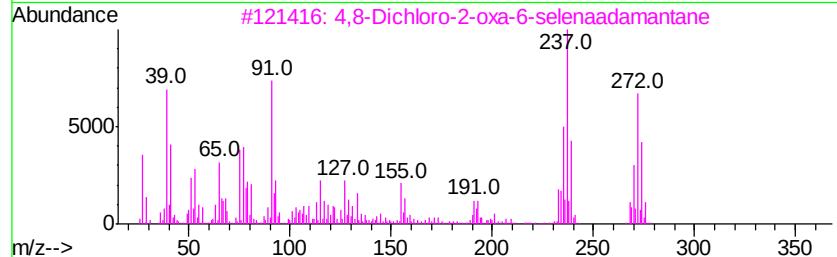
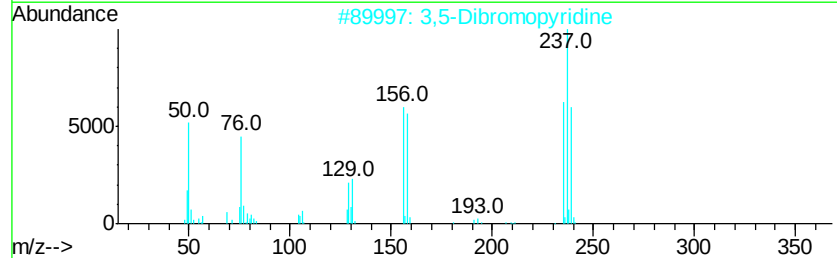
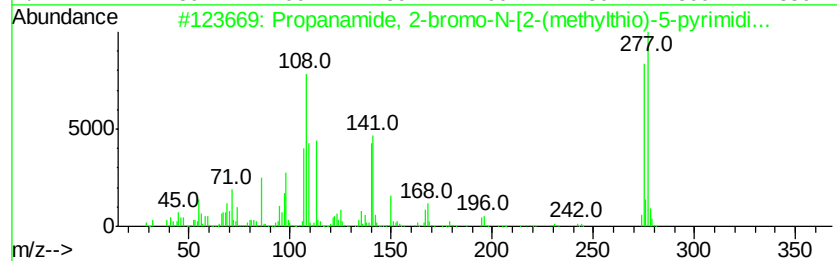
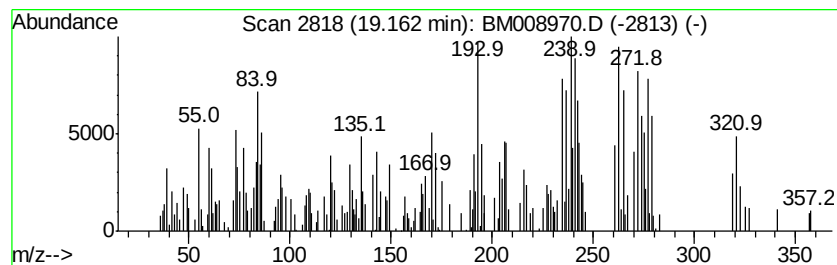
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 unknown-05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	4.13 ng/ul	201367	Phenanthrene-d10	17.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Propanamide, 2-bromo-N-[2-(methy...	275 C8H10BrN3OS	1000319-27-9 44
2		3,5-Dibromopyridine	235 C5H3Br2N	000625-92-3 25
3		4,8-Dichloro-2-oxa-6-selenaadama...	272 C8H10Cl2OSe	1000189-96-4 20
4		Benzonitrile, 3,5-dibromo-4-hydr...	275 C7H3Br2NO	001689-84-5 18
5		.alpha.-(4-Bromophenylimino)-ort...	275 C13H10BrNO	000886-34-0 15



Data Path : Z:\HPCHEM1\BNA M\DATA\BM020317\
Data File : BM008970.D
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Sample : I1681-01
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Instrument :
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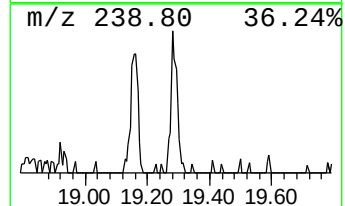
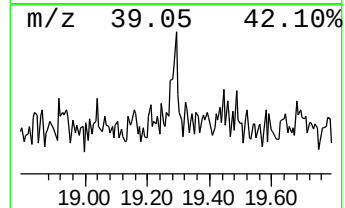
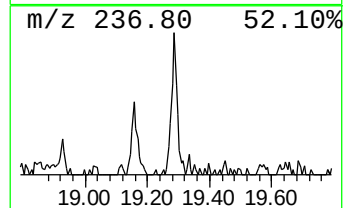
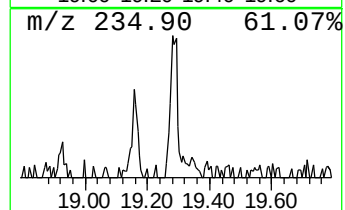
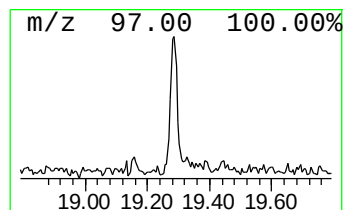
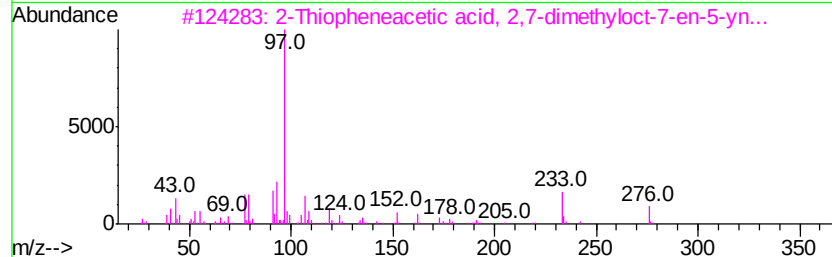
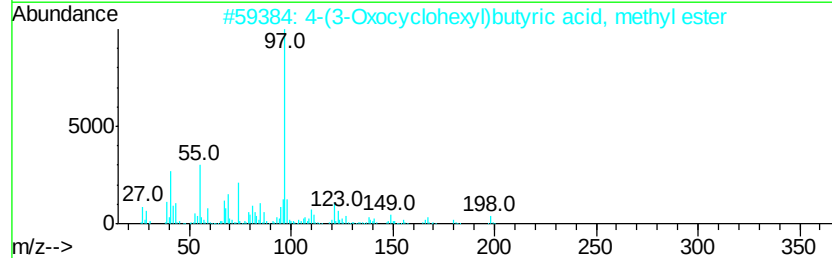
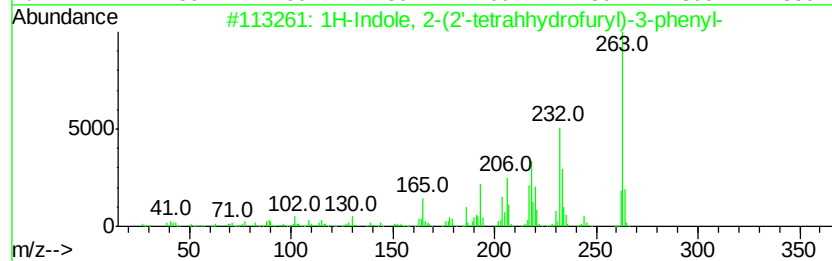
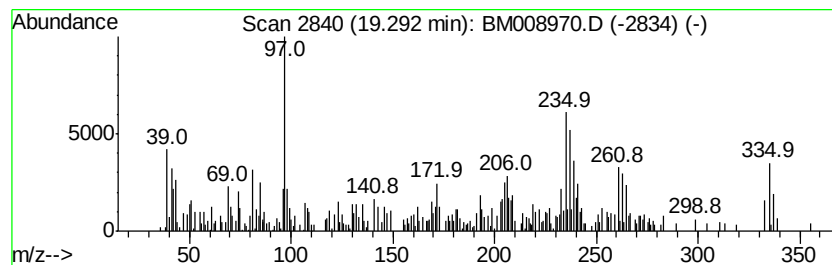
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-06 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	9.16 ng/ul	446695	Phenanthrene-d10	17.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indole, 2-(2'-tetrahydrofuryl)-3-phenyl-	263	C18H17NO	163064-85-5	41
2		4-(3-Oxocyclohexyl)butyric acid, methyl ester	198	C11H18O3	147895-12-3	25
3		2-Thiopheneacetic acid, 2,7-dimethyloct-7-en-5-yn-	276	C16H20O2S	1000299-38-8	18
4		Pyrollidine, 2,5-bis(imino)-	97	C4H7N3	000503-84-4	15
5		Diethylmalonic acid, di(2-acetyl)-	396	C23H24O6	1000370-10-2	14



Data Path : Z:\HPCHEM1\BNA M\DATA\BM020317\
Data File : BM008970.D
Acq On : 03 Feb 2017 19:17
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Misc :
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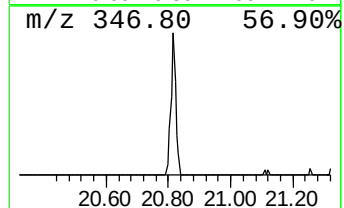
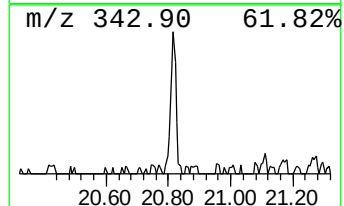
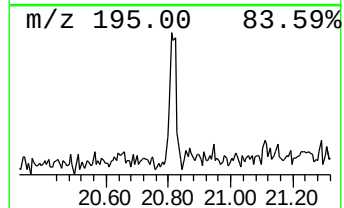
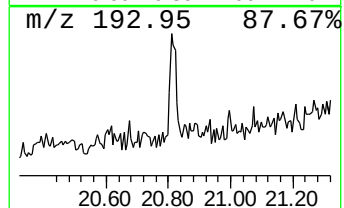
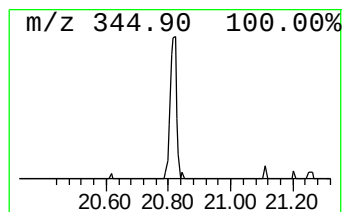
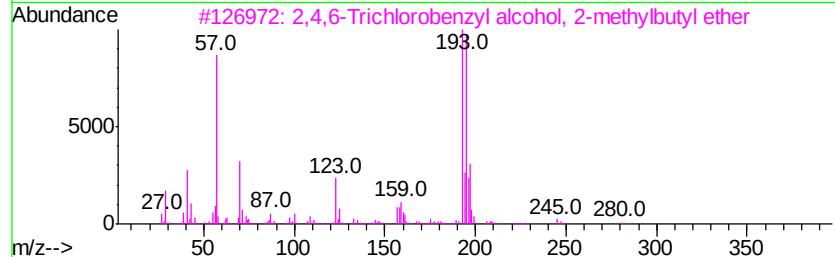
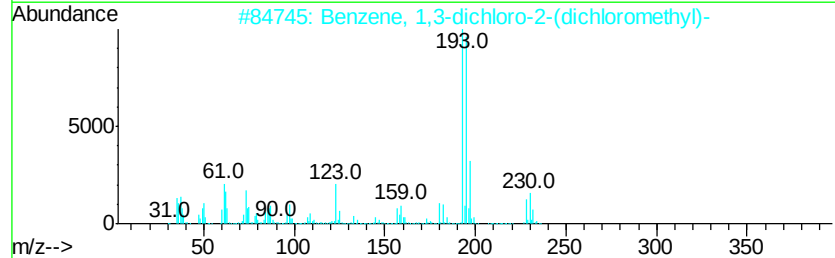
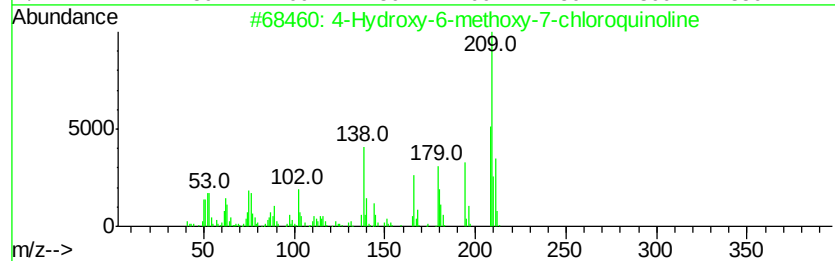
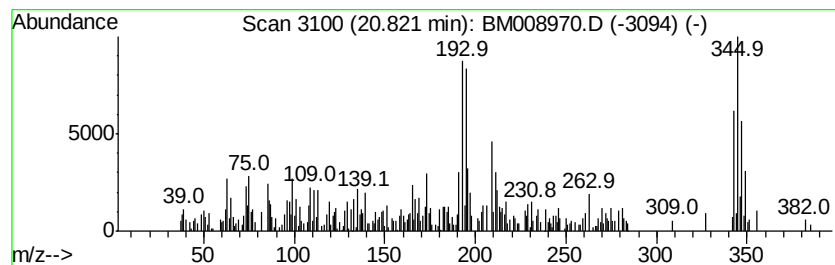
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 unknown-07 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	5.41 ng/ul	424335	Chrysene-d12	21.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Hydroxy-6-methoxy-7-chloroquin...	209	C10H8ClNO2	1000256-23-8	40
2		Benzene, 1,3-dichloro-2-(dichlor...	228	C7H4Cl4	000081-19-6	30
3		2,4,6-Trichlorobenzyl alcohol, 2...	280	C12H15Cl3O	1000375-27-4	25
4		2,4,6-Trichlorobenzyl alcohol, n...	252	C10H11Cl3O	1000375-27-7	25
5		Propan-1-one, 1-(2,4-dinitrophen...	224	C9H8N2O5	061712-88-7	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM020317\
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Misc :
ALS Vial : 4 Sample Multiplier: 1

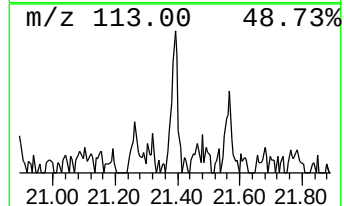
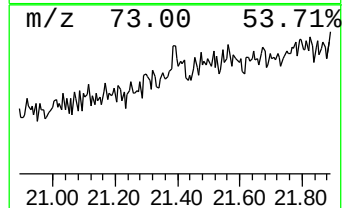
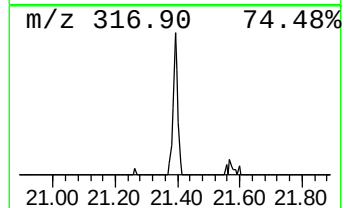
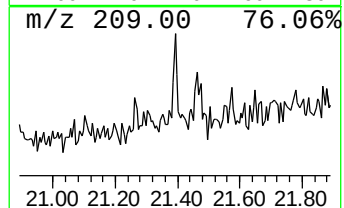
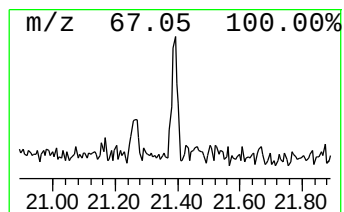
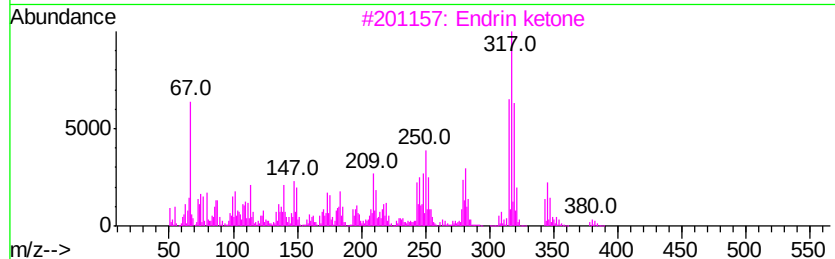
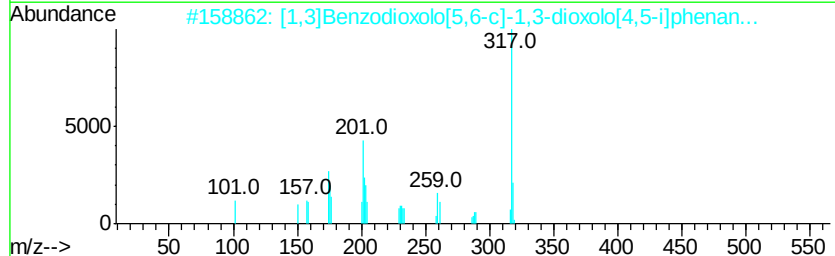
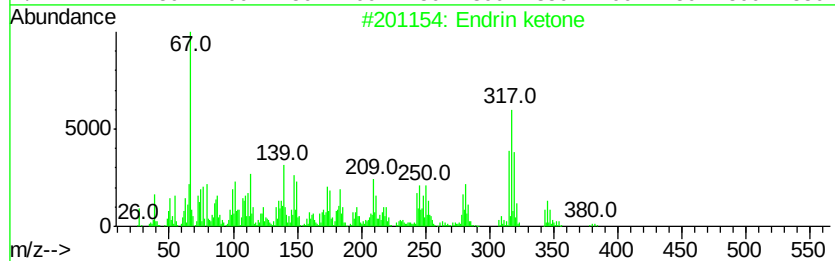
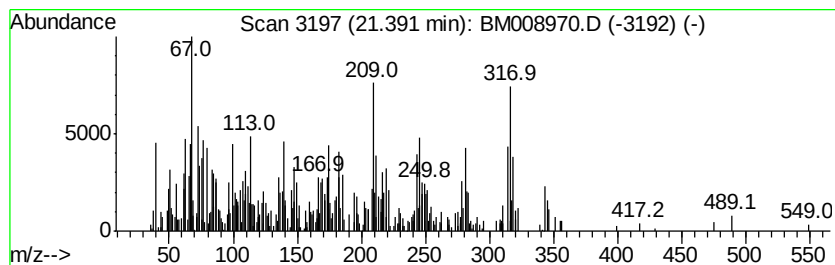
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 11 unknown-08 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.39	6.35 ng/ul	497845	Chrysene-d12	21.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Endrin ketone	378	C12H8Cl6O	053494-70-5	42
2	[1,3]Benzodioxolo[5,6-c]-1,3-dio...	317	C19H11N04	000522-30-5	15
3	Endrin ketone	378	C12H8Cl6O	053494-70-5	15
4	1,1-Dichloro-1-silacyclo-3-hexene	166	C5H8Cl2Si	002999-83-9	15
5	Endrin ketone	378	C12H8Cl6O	053494-70-5	11



Data Path : Z:\HPCHEM1\BNA M\DATA\BM020317\
Data File : BM008970.D
Acq On : 03 Feb 2017 19:17
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Misc :
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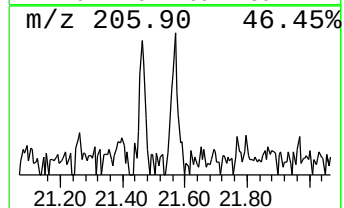
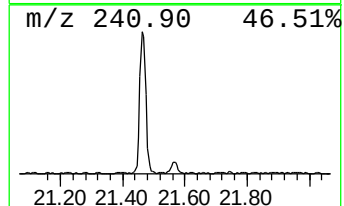
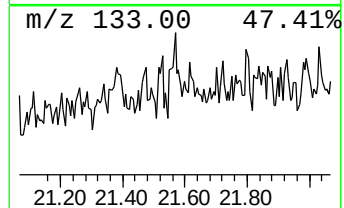
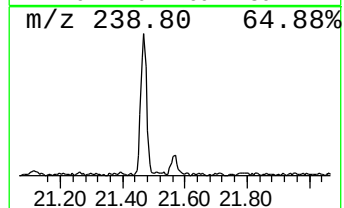
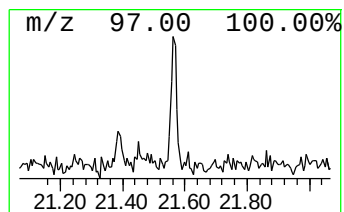
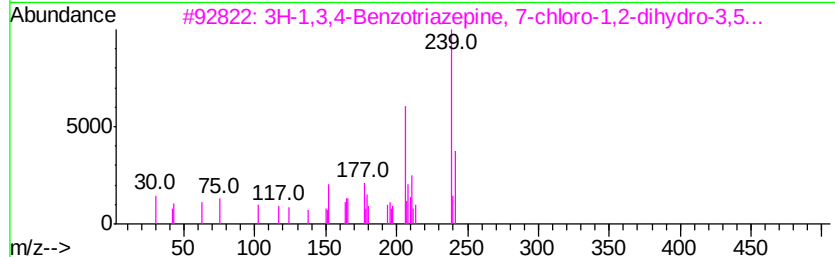
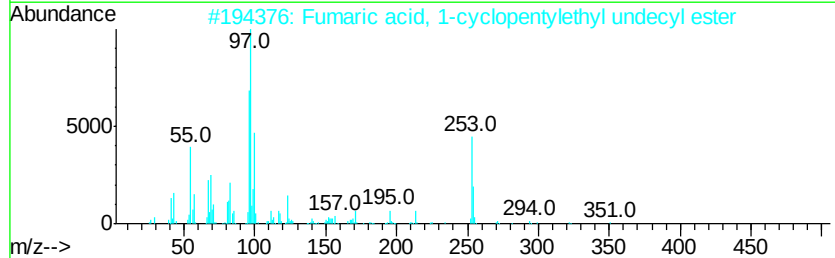
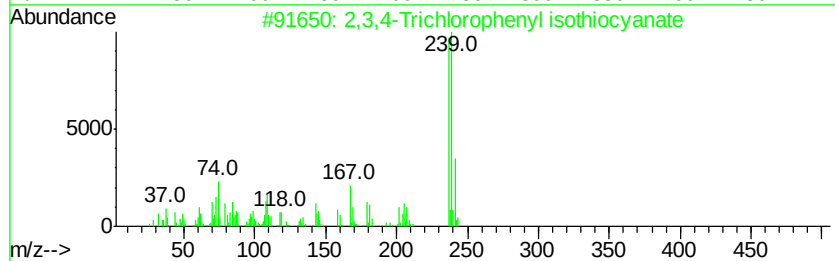
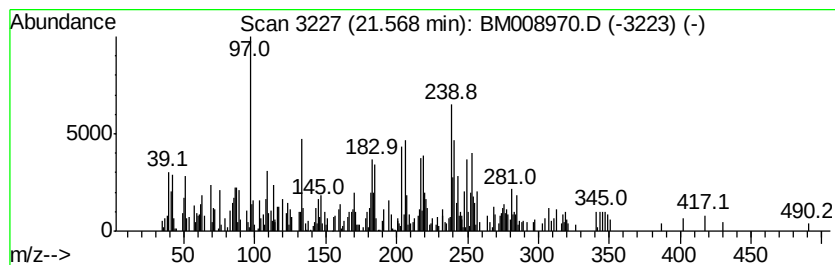
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 unknown-09 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	4.51 ng/ul	353479	Chrysene-d12	21.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4-Trichlorophenyl isothiocyva...	237	C7H2Cl3NS	127142-69-2	41		
2	Fumaric acid, 1-cyclopentylethyl...	366	C22H38O4	1000345-18-3	22		
3	3H-1,3,4-Benzotriazepine, 7-chlo...	239	C10H10ClN3S	105999-04-0	18		
4	2-Hexenoic acid, bornyl ester	250	C16H26O2	1000163-79-6	18		
5	Anilazine	274	C9H5Cl3N4	000101-05-3	15		



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020317\
Data File : BM008970.D
Acq On : 03 Feb 2017 19:17
Operator : SJ/MA
Sample : I1681-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.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
unknown-01	12.23	2.1	ng/ul	65698	2	10.72	622732	20.0
.beta.-Hexachloro...	16.87	38.4	ng/ul	1874450	4	17.30	975344	20.0
unknown-02	17.44	2.0	ng/ul	98153	4	17.30	975344	20.0
unknown-03	17.53	4.8	ng/ul	235378	4	17.30	975344	20.0
Bicyclo[2.2.1]hep...	18.69	25.1	ng/ul	1222870	4	17.30	975344	20.0
unknown-04	18.74	4.4	ng/ul	215116	4	17.30	975344	20.0
unknown-05	19.16	4.1	ng/ul	201367	4	17.30	975344	20.0
unknown-06	19.29	9.2	ng/ul	446695	4	17.30	975344	20.0
unknown-07	20.82	5.4	ng/ul	424335	5	21.46	1567590	20.0
unknown-08	21.39	6.3	ng/ul	497845	5	21.46	1567590	20.0
unknown-09	21.57	4.5	ng/ul	353479	5	21.46	1567590	20.0