

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
 Data File : BM017525.D
 Acq On : 06 Nov 2018 12:21
 Operator : MJ/SJ
 Sample : J5704-04ME
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A40G1ME

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.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	6.810	643	650	669	rBV	1460917	2619602	0.51%	0.273%
2	6.975	672	678	693	rVB	1138150	1710980	0.33%	0.179%
3	7.163	702	710	723	rBV	1484429	2368058	0.46%	0.247%
4	7.628	780	789	799	rBV	1090868	1790741	0.35%	0.187%
5	8.334	903	909	923	rVB	1777397	2893375	0.56%	0.302%
6	8.781	978	985	993	rBV	1392627	2282101	0.44%	0.238%
7	9.492	1099	1106	1122	rBV	1161189	1988173	0.39%	0.207%
8	10.028	1190	1197	1215	rBV	1736387	3089178	0.60%	0.322%
9	10.398	1250	1260	1268	rBV	1554991	2550962	0.50%	0.266%
10	10.545	1278	1285	1307	rBV	1538172	3013942	0.59%	0.314%
11	13.092	1712	1718	1724	rBV2	632931	1021458	0.20%	0.107%
12	13.692	1812	1820	1825	rBV	3139940	4475817	0.87%	0.467%
13	13.963	1857	1866	1878	rBV	3637689	5461379	1.06%	0.570%
14	14.268	1910	1918	1921	rBV2	2281954	3850845	0.75%	0.402%
15	14.304	1921	1924	1930	rVV	6605247	8194117	1.59%	0.855%
16	14.398	1936	1940	1946	rVB	453038	649514	0.13%	0.068%
17	14.492	1950	1956	1968	rBV	1359597	2186685	0.43%	0.228%
18	15.115	2056	2062	2070	rVB	1142566	1616670	0.31%	0.169%
19	15.227	2073	2081	2084	rBV	1261513	1824190	0.35%	0.190%
20	15.268	2084	2088	2093	rVV	4670986	6662637	1.30%	0.695%
21	15.321	2093	2097	2103	rVB	2665604	3608569	0.70%	0.377%
22	15.415	2107	2113	2118	rBV	1522345	2163704	0.42%	0.226%
23	15.486	2119	2125	2129	rBV	2243214	3232306	0.63%	0.337%
24	15.539	2129	2134	2136	rVV	8341013	12601330	2.45%	1.315%
25	15.592	2136	2143	2147	rVB2	68500364	138128023	26.87%	14.413%
26	15.898	2185	2195	2198	rBV2	55365428	95749479	18.63%	9.991%
27	15.933	2198	2201	2206	rVV	1229971	1623261	0.32%	0.169%
28	15.986	2206	2210	2218	rVB	576429	812079	0.16%	0.085%
29	16.104	2225	2230	2233	rBV	777710	1085163	0.21%	0.113%
30	16.145	2233	2237	2241	rBV2	1090018	1652978	0.32%	0.172%
31	16.262	2248	2257	2264	rBV2	6919292	11347376	2.21%	1.184%
32	16.557	2299	2307	2312	rBV	1207848	1726632	0.34%	0.180%
33	16.627	2312	2319	2329	rVB2	534851	828150	0.16%	0.086%
34	16.909	2360	2367	2370	rBV	3098640	4650928	0.90%	0.485%

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Integration Parameters: LSCINT.P

Integrator: RTE
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 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	16.945	2370	2373	2379	rVV	3438064	4272830	0.83%	0.446%
36	17.021	2379	2386	2398	rVV3	4015886	7610499	1.48%	0.794%
37	17.127	2398	2404	2411	rVV	5370991	7570054	1.47%	0.790%
38	17.204	2411	2417	2425	rVB2	2736566	3998563	0.78%	0.417%
39	17.480	2459	2464	2467	rBV	952575	1301700	0.25%	0.136%
40	17.509	2467	2469	2476	rVB	483237	575777	0.11%	0.060%
41	17.627	2481	2489	2499	rVB	7987336	15530728	3.02%	1.621%
42	17.756	2503	2511	2517	rBV2	3379575	4890880	0.95%	0.510%
43	17.874	2526	2531	2536	rBV	1901384	2536359	0.49%	0.265%
44	17.927	2536	2540	2551	rVV	976112	1461000	0.28%	0.152%
45	18.098	2564	2569	2575	rVV	1953077	2763336	0.54%	0.288%
46	18.156	2575	2579	2583	rVV	1595931	2138533	0.42%	0.223%
47	18.198	2583	2586	2595	rVB	1637940	2157451	0.42%	0.225%
48	18.386	2612	2618	2622	rBV	1473691	2262715	0.44%	0.236%
49	18.427	2622	2625	2630	rVV	644666	937780	0.18%	0.098%
50	18.486	2630	2635	2639	rVV	1155424	1689766	0.33%	0.176%
51	18.521	2639	2641	2644	rVV	795680	944471	0.18%	0.099%
52	18.562	2644	2648	2654	rVB	1373947	1848660	0.36%	0.193%
53	18.662	2660	2665	2673	rVB2	349722	571871	0.11%	0.060%
54	18.874	2695	2701	2705	rBV	596615	805826	0.16%	0.084%
55	18.927	2705	2710	2713	rVV	869603	1292230	0.25%	0.135%
56	18.962	2713	2716	2724	rVB3	769055	1086327	0.21%	0.113%
57	19.427	2788	2795	2802	rBV	6804566	9271248	1.80%	0.967%
58	20.939	3047	3052	3067	rBV	7069692	10112915	1.97%	1.055%
59	21.250	3082	3105	3108	rBV6	85802325	514007153	100.00%	53.633%
60	21.397	3126	3130	3136	rVB2	404714	666320	0.13%	0.070%
61	22.268	3274	3278	3280	rBV	441608	646201	0.13%	0.067%
62	23.291	3445	3452	3463	rBV	5472064	10575867	2.06%	1.104%
63	23.427	3469	3475	3482	rVB	3009184	5391406	1.05%	0.563%

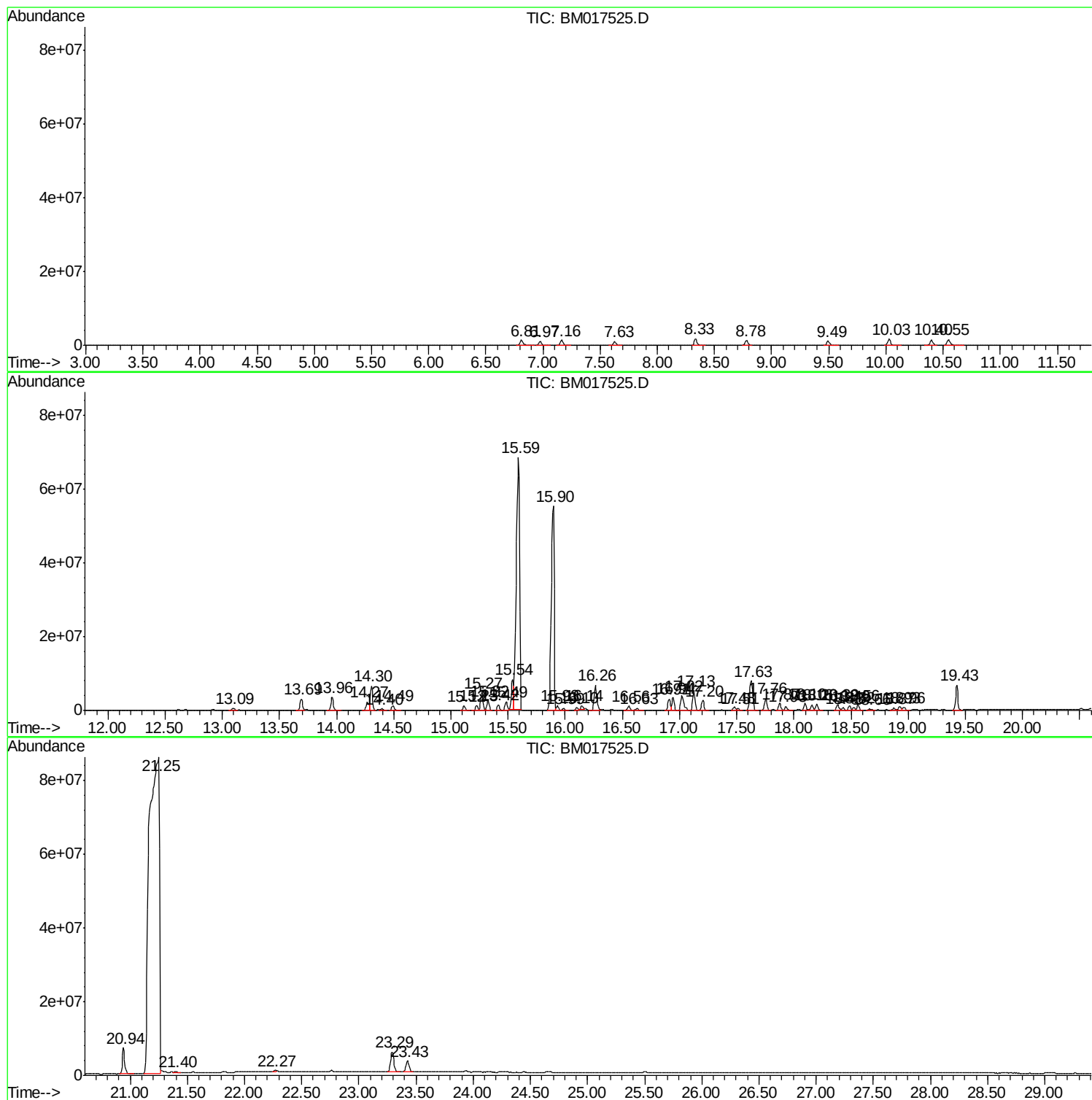
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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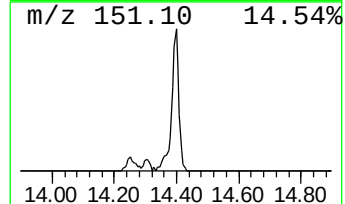
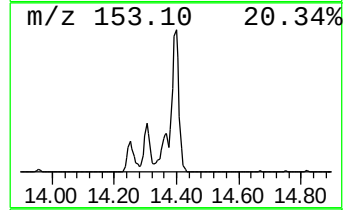
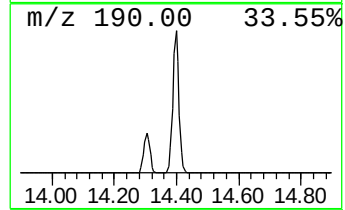
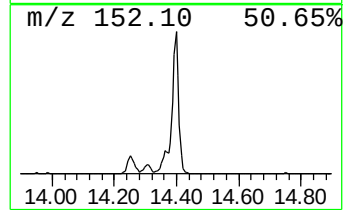
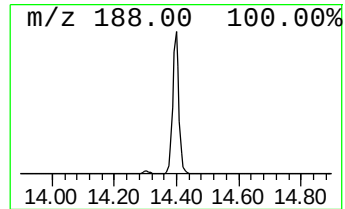
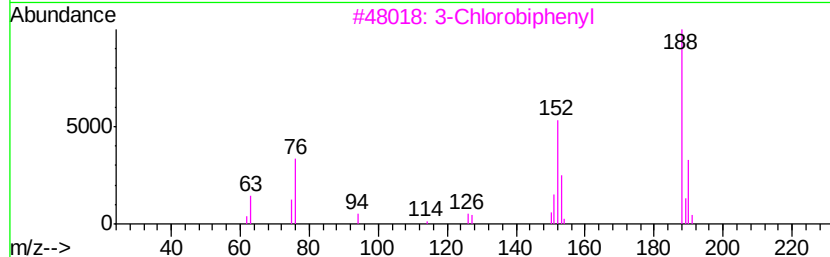
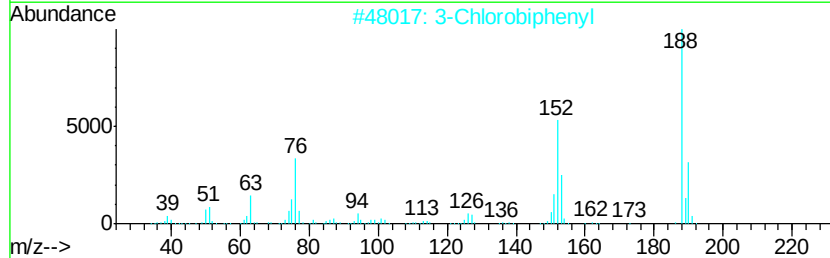
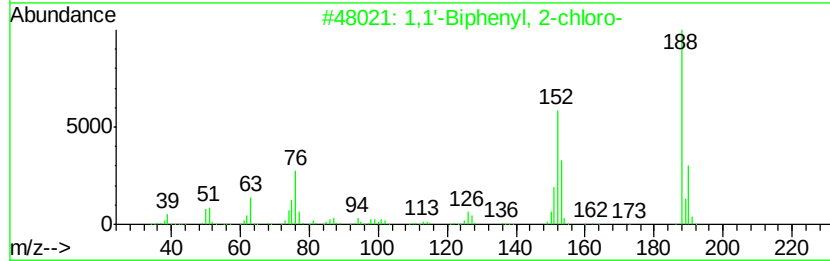
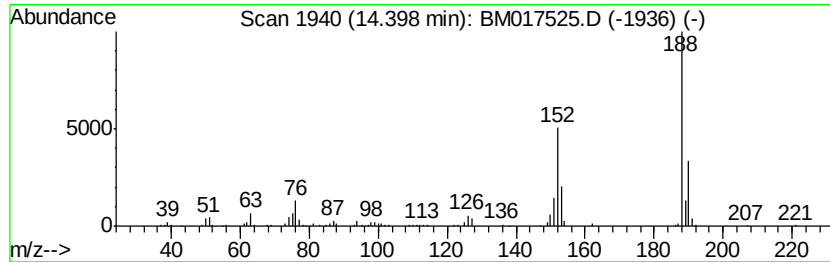
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 1,1'-Biphenyl, 2-chloro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.37 ng/ul	649514	Acenaphthene-d10	14.27
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Biphenyl, 2-chloro-	188 C12H9Cl	002051-60-7 97
2		3-Chlorobiphenyl	188 C12H9Cl	002051-61-8 96
3		3-Chlorobiphenyl	188 C12H9Cl	002051-61-8 96
4		1,1'-Biphenyl, 4-chloro-	188 C12H9Cl	002051-62-9 95
5		1,1'-Biphenyl, 4-chloro-	188 C12H9Cl	002051-62-9 95



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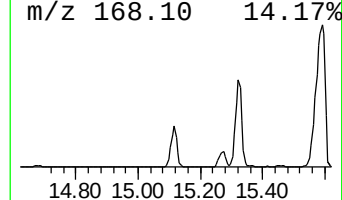
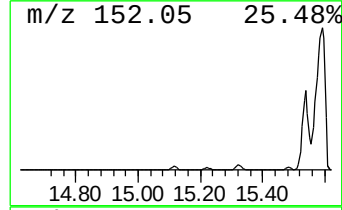
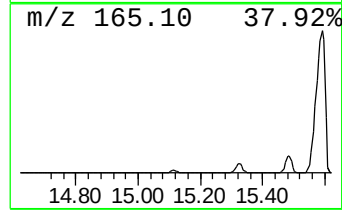
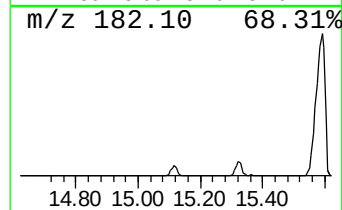
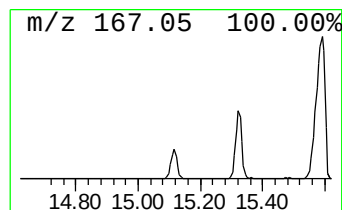
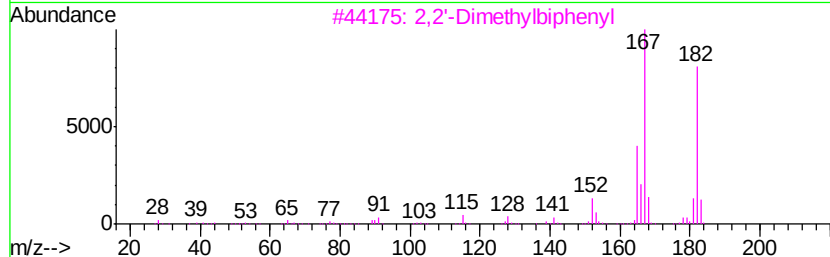
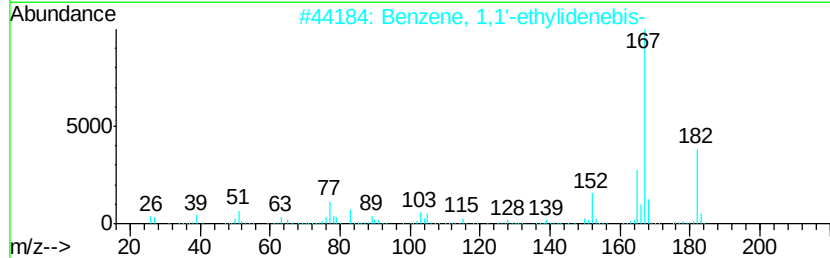
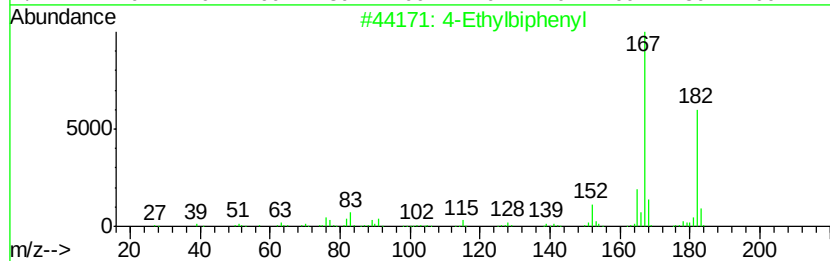
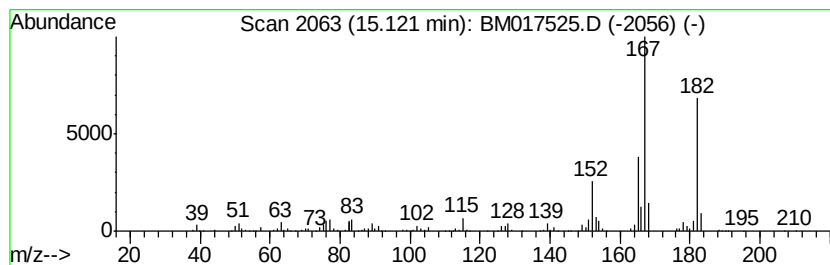
Instrument :
BNA_M
ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 4-Ethylbiphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	8.40 ng/ul	1616670	Acenaphthene-d10	14.27
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4-Ethylbiphenyl	182 C14H14	005707-44-8	90
2	Benzene, 1,1'-ethylidenebis-	182 C14H14	000612-00-0	90
3	2,2'-Dimethylbiphenyl	182 C14H14	000605-39-0	87
4	1,1'-Biphenyl, 2-ethyl-	182 C14H14	001812-51-7	83
5	Benzene, 1-methyl-4-(phenylmethyl)-	182 C14H14	000620-83-7	83



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Instrument :
BNA_M
ClientSampleId :
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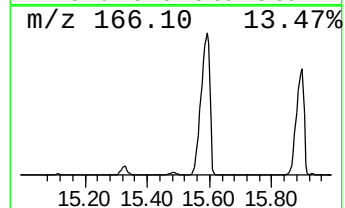
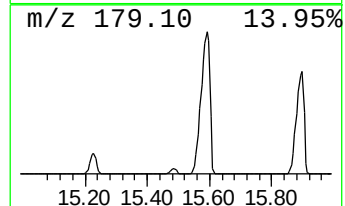
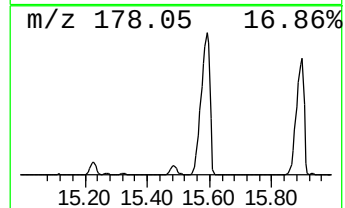
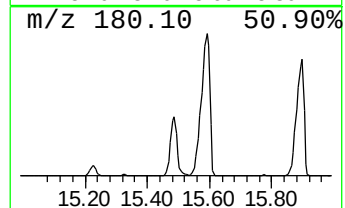
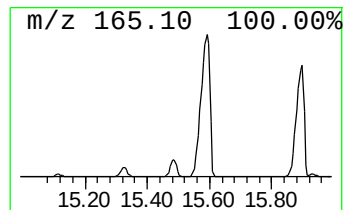
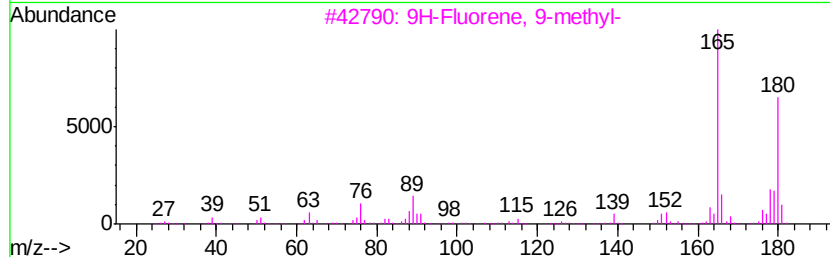
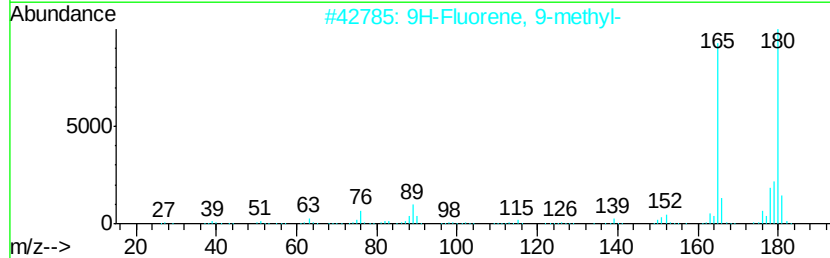
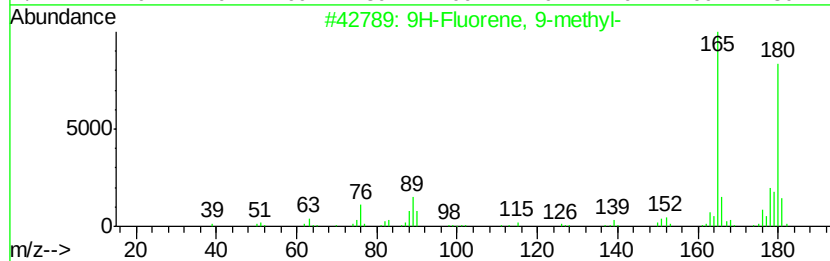
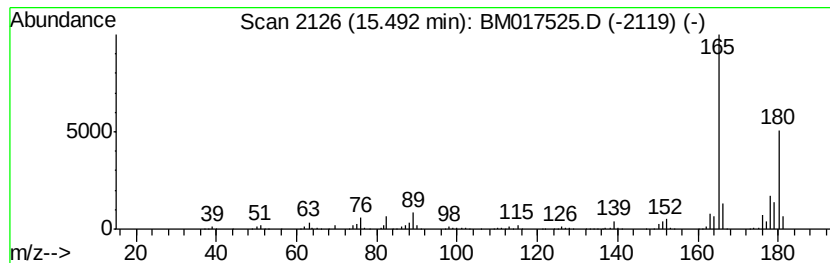
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluorene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	16.79 ng/ul	3232310	Acenaphthene-d10	14.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
2		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
4		Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	83
5		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83



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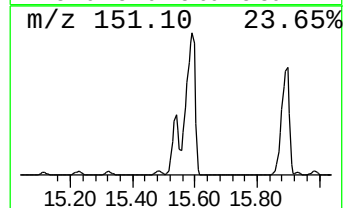
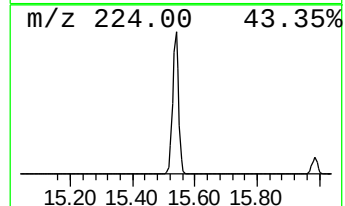
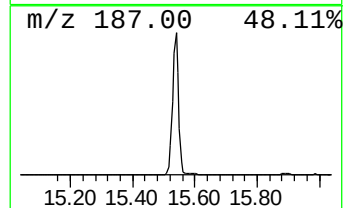
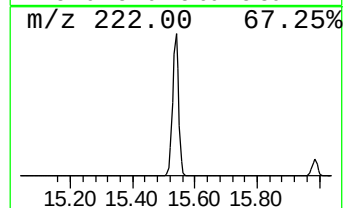
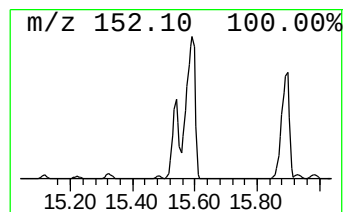
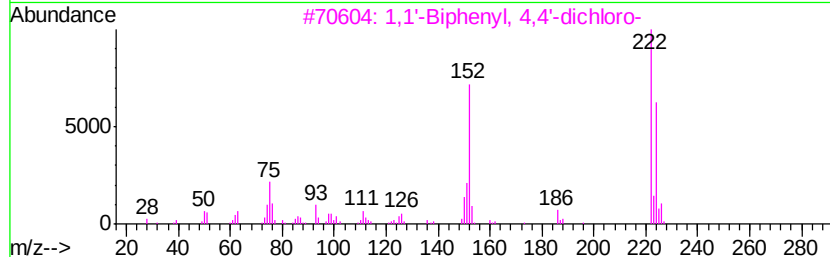
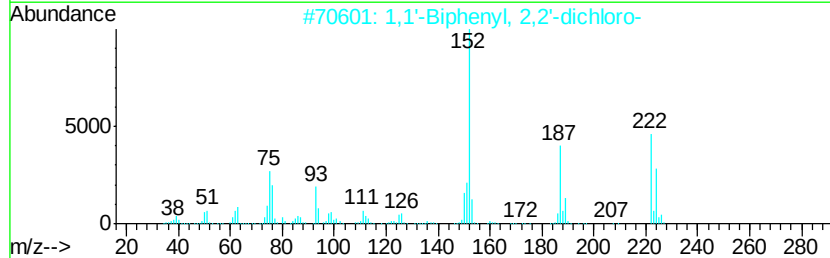
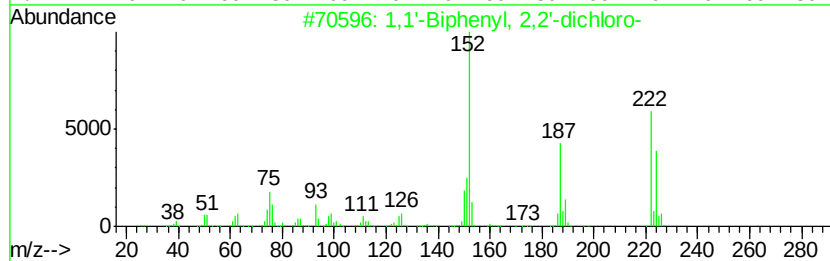
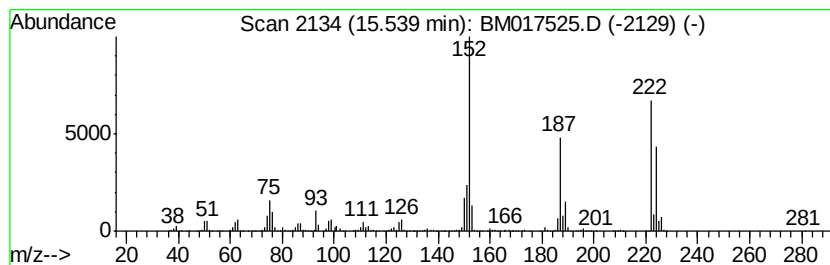
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	65.45 ng/ul	12601300	Acenaphthene-d10	14.27
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222 C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 2,2'-dichloro-	222 C12H8Cl2	013029-08-8	99
3	1,1'-Biphenyl, 4,4'-dichloro-	222 C12H8Cl2	002050-68-2	95
4	1,1'-Biphenyl, 4,4'-dichloro-	222 C12H8Cl2	002050-68-2	95
5	1,1'-Biphenyl, 2,3-dichloro-	222 C12H8Cl2	016605-91-7	95



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ALS Vial : 5 Sample Multiplier: 1

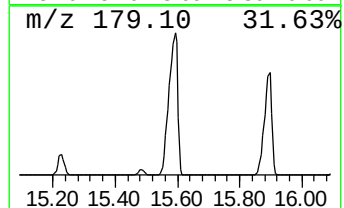
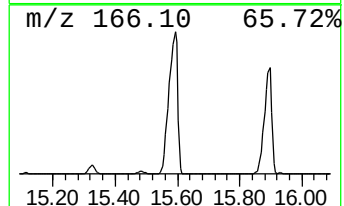
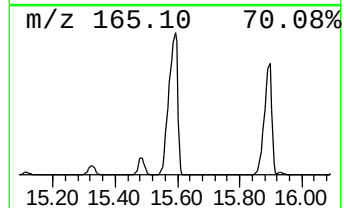
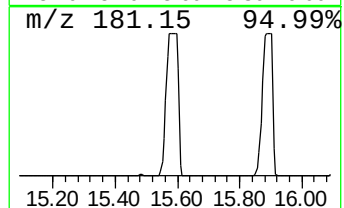
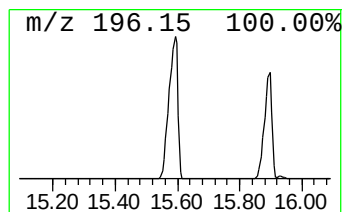
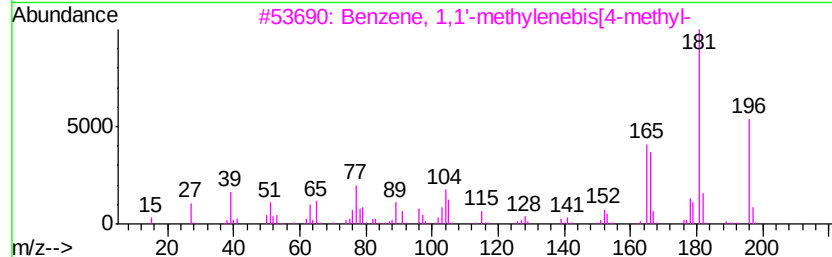
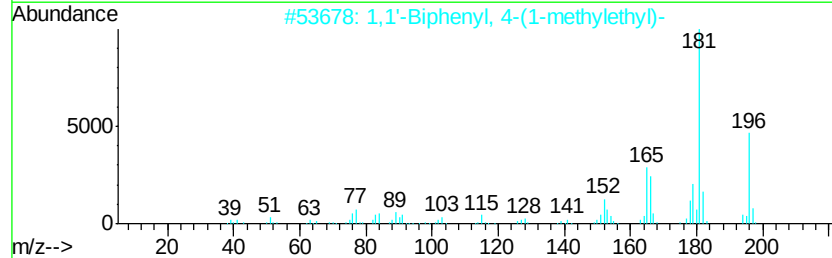
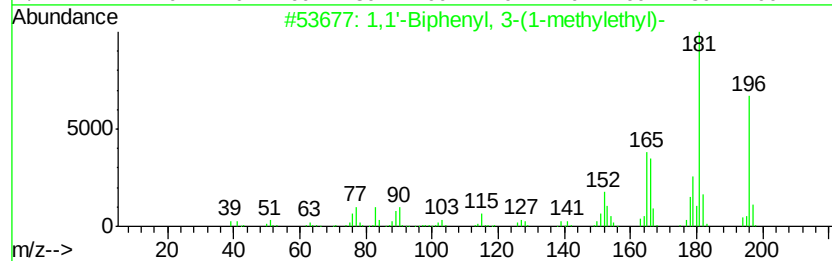
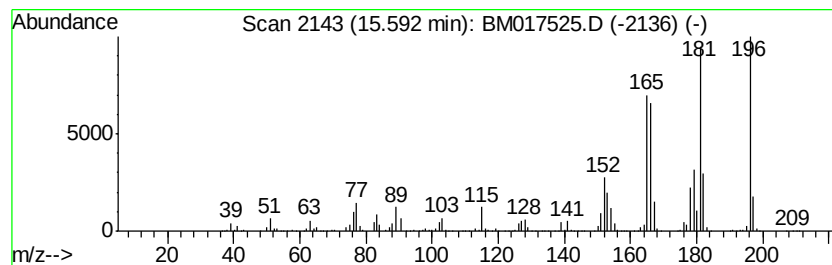
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	717.39 ng/ul	138128000	Acenaphthene-d10	14.27
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196 C15H16	020282-30-8	86
2	1,1'-Biphenyl, 4-(1-methylethyl)-	196 C15H16	007116-95-2	64
3	Benzene, 1,1'-methylenebis[4-met...	196 C15H16	004957-14-6	64
4	Benzene, 2,6-dimethyl-1-(phenylm...	196 C15H16	028122-29-4	58
5	Benzene, 1-methyl-2-[(3-methylph...	196 C15H16	021895-13-6	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

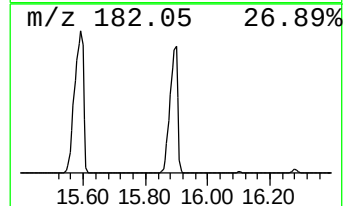
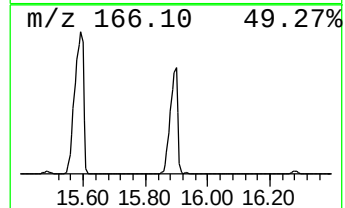
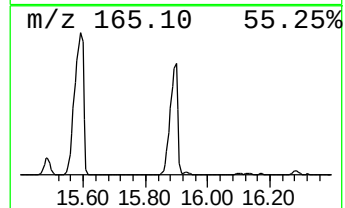
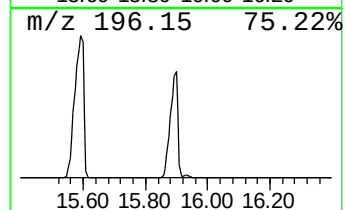
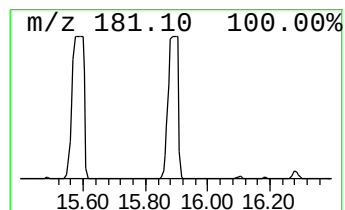
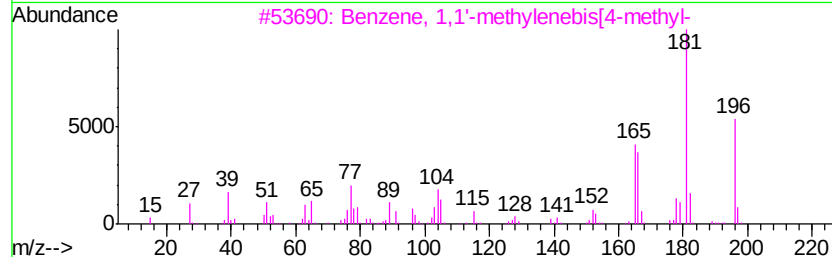
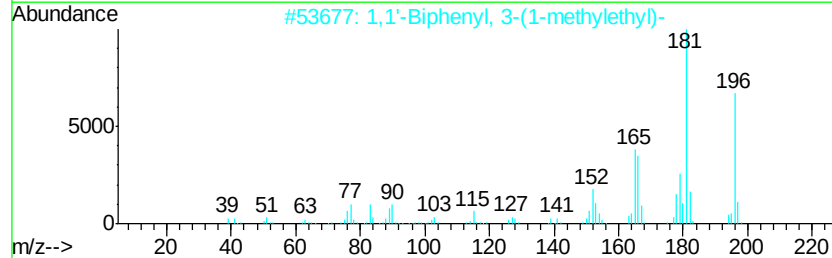
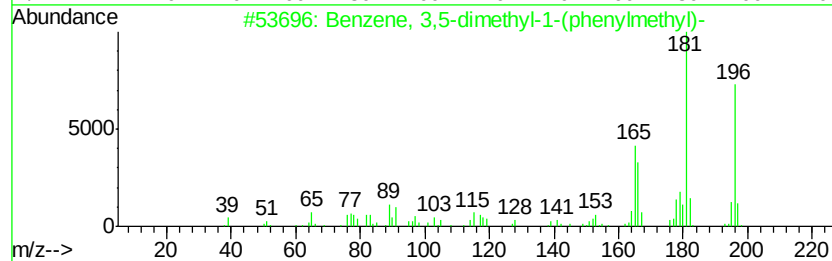
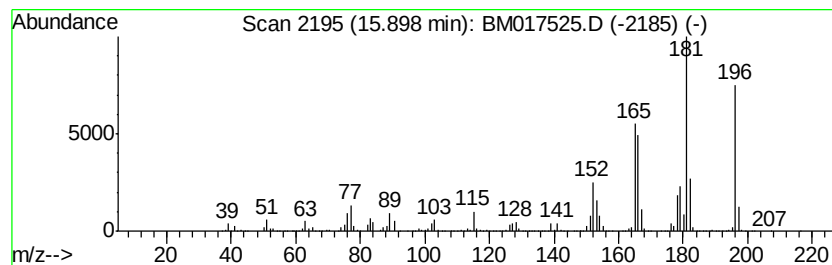
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 3,5-dimethyl-1-(ph... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.90	251.63 ng/ul	95749500	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	87
2		1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	81
3		Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	70
4		Benzene, 1,1'-methylenebis[3-met...	196	C15H16	021895-14-7	70
5		1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
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Instrument :
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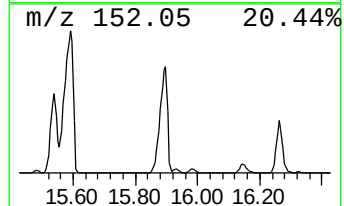
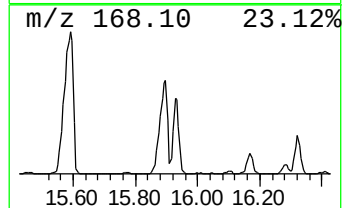
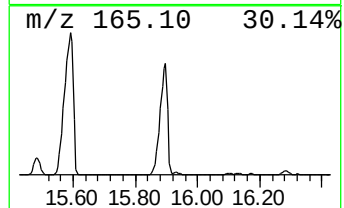
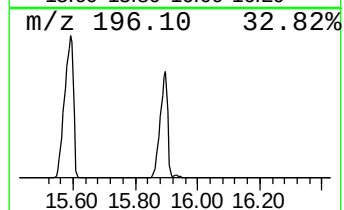
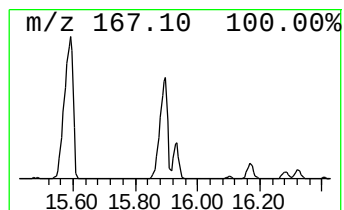
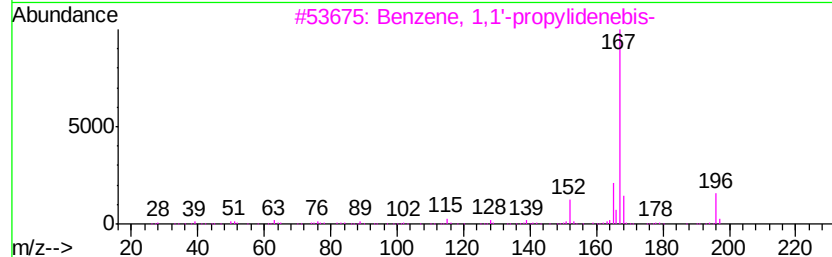
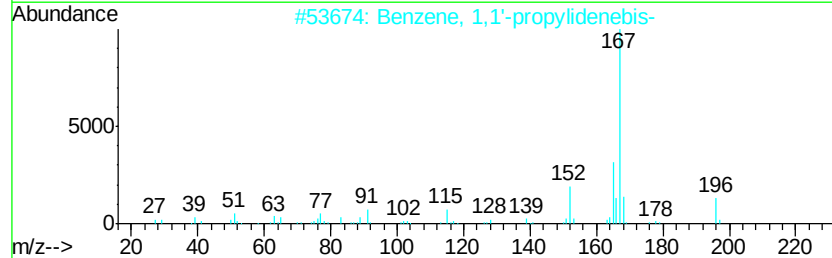
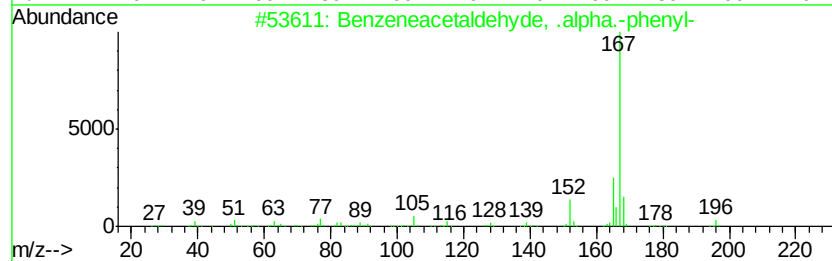
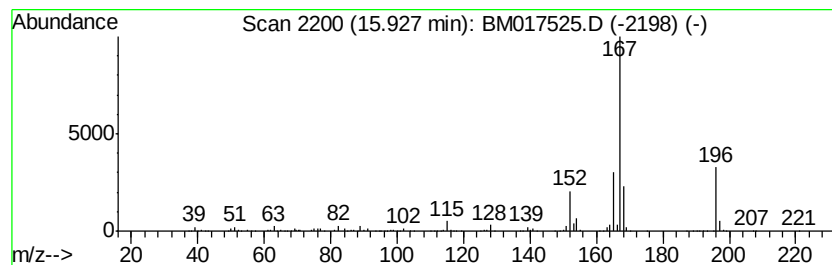
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzeneacetaldehyde, .alpha... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	4.27 ng/ul	1623260	Phenanthrene-d10	17.03

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	80
2		Benzene, 1,1'-propylidenebis-	196	C15H16	001530-03-6	74
3		Benzene, 1,1'-propylidenebis-	196	C15H16	001530-03-6	72
4		But-2-enoic acid, 4-oxo-4-diphen...	352	C20H20N2O4	308294-04-4	64
5		Diphenylmethoxy acetic acid	242	C15H14O3	021409-25-6	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
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Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

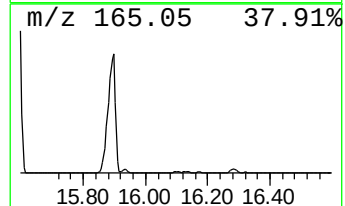
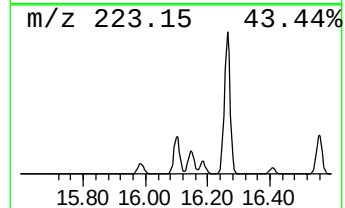
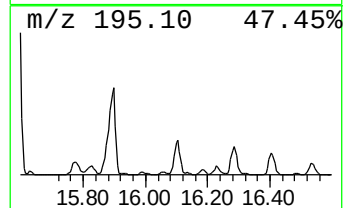
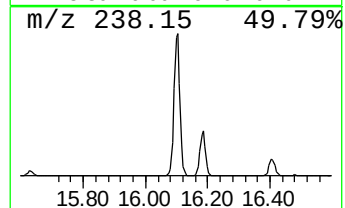
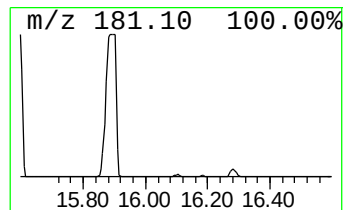
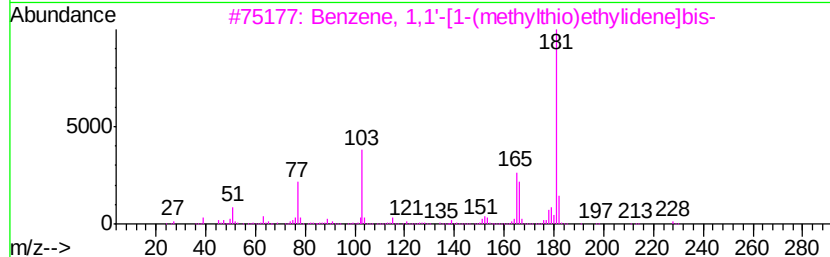
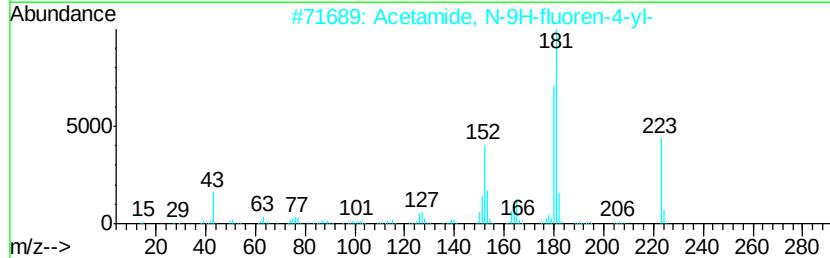
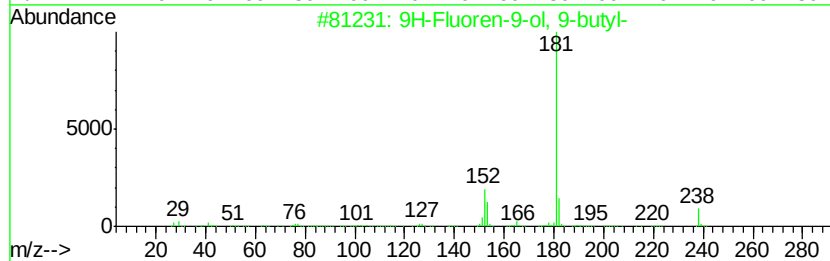
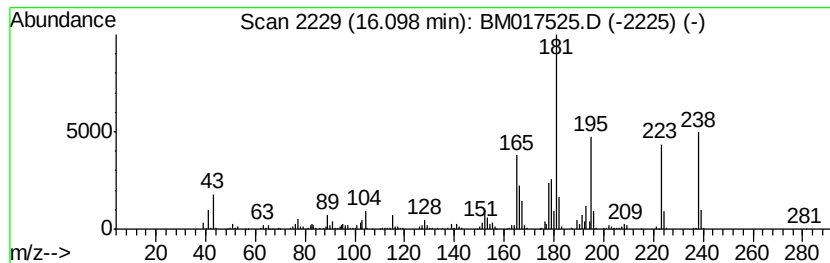
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.10	2.85 ng/ul	1085160	Phenanthrene-d10	17.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol, 9-butyl-	238	C17H18O	005806-10-0	38
2	Acetamide, N-9H-fluoren-4-yl-	223	C15H13NO	028322-02-3	35
3	Benzene, 1,1'-[1-(methylthio)eth...	228	C15H16S	054851-63-7	35
4	Acetamide, N-9H-fluoren-4-yl-	223	C15H13NO	028322-02-3	35
5	9H-Fluoren-9-ol, 9-butyl-	238	C17H18O	005806-10-0	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
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Misc :
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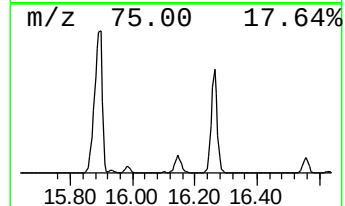
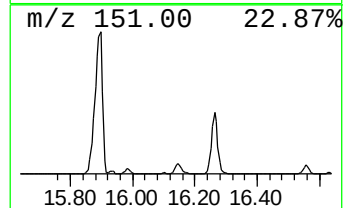
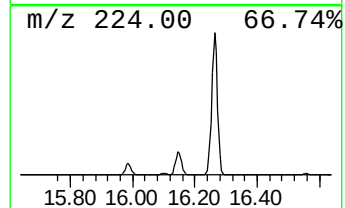
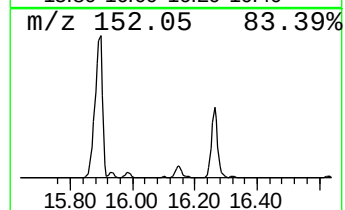
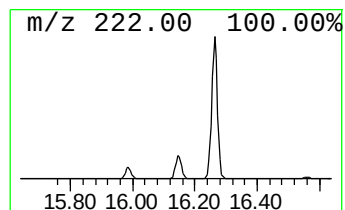
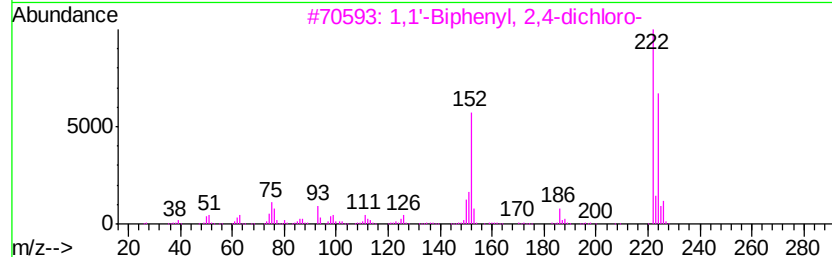
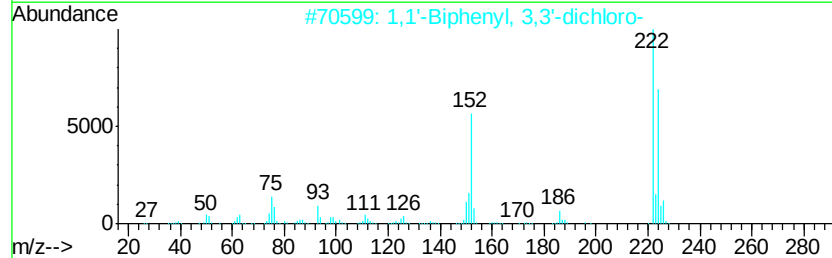
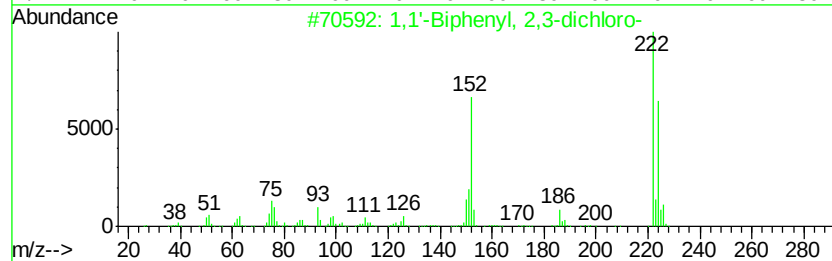
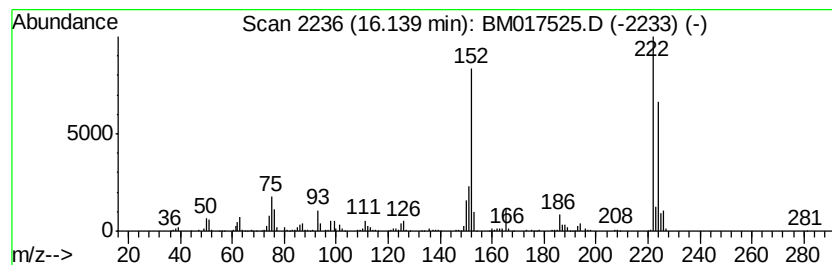
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	4.34 ng/ul	1652980	Phenanthrene-d10	17.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
2		1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99
3		1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
4		1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	97
5		1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

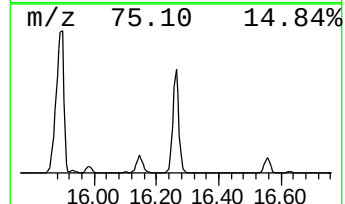
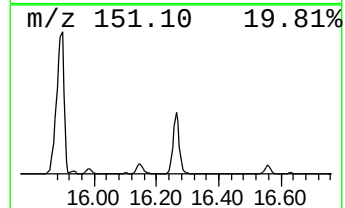
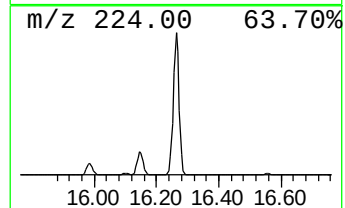
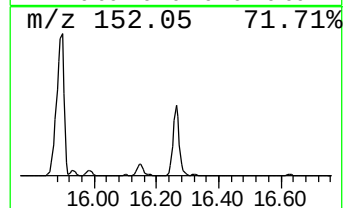
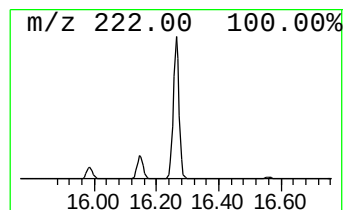
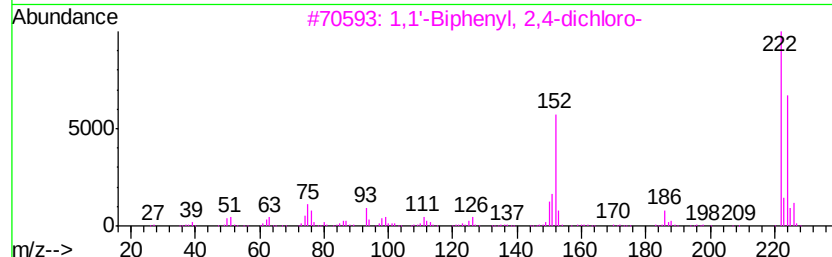
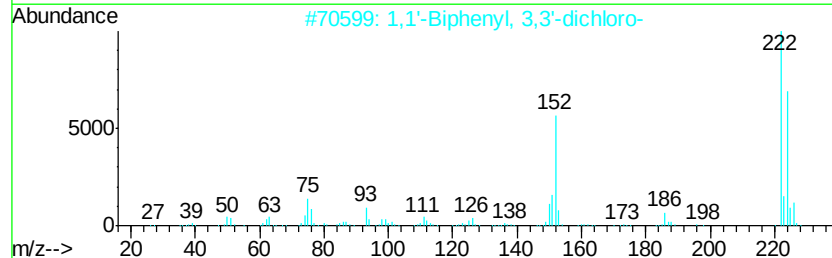
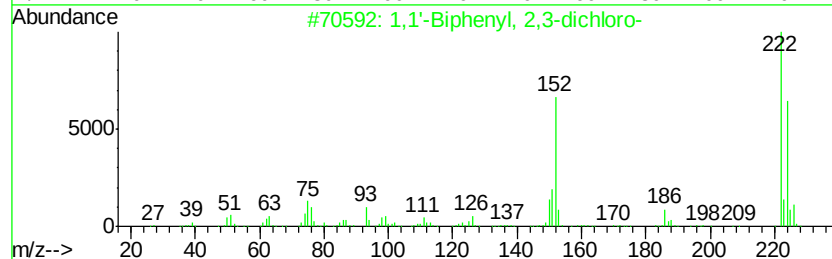
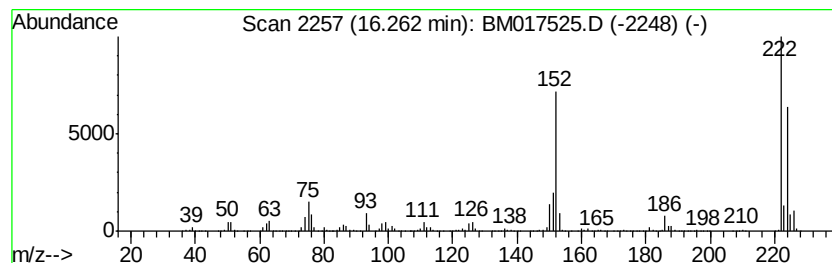
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1,1'-Biphenyl, 3,3'-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.26	29.82 ng/ul	11347400	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
2	1,1'-Biphenyl,	3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99
3	1,1'-Biphenyl,	2,4-dichloro-	222	C12H8Cl2	033284-50-3	99
4	1,1'-Biphenyl,	4,4'-dichloro-	222	C12H8Cl2	002050-68-2	98
5	1,1'-Biphenyl,	2,4-dichloro-	222	C12H8Cl2	033284-50-3	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
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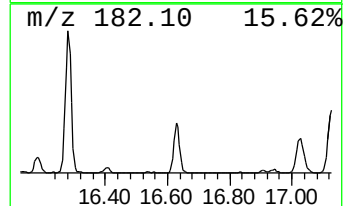
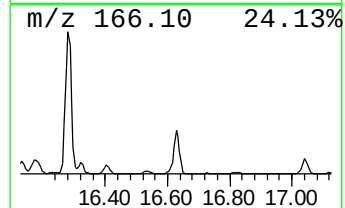
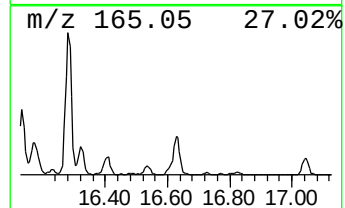
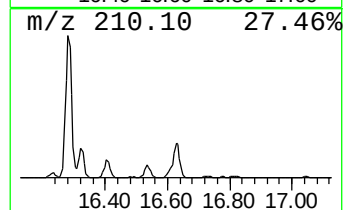
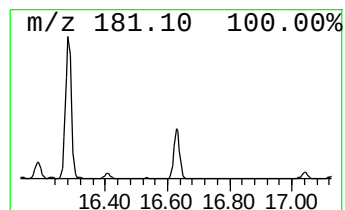
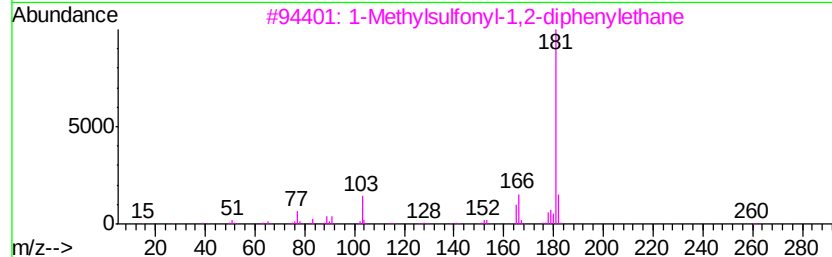
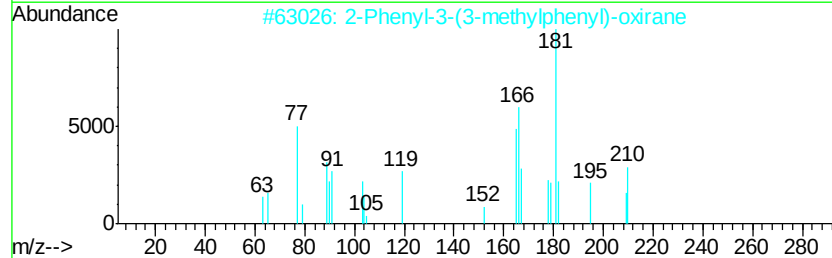
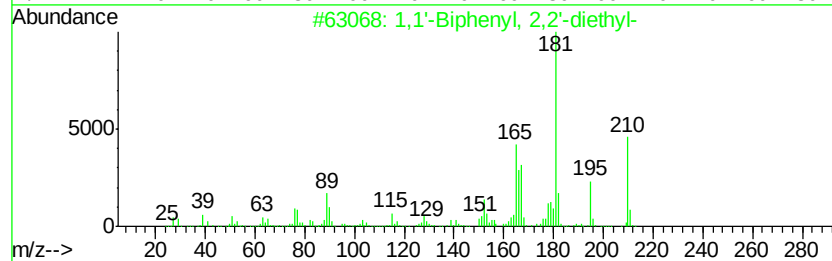
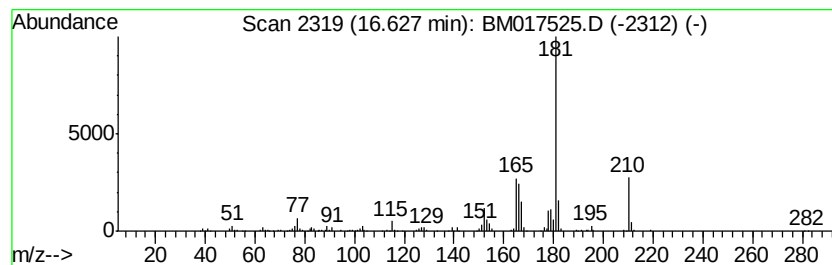
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1,1'-Biphenyl, 2,2'-diethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.63	2.18 ng/ul	828150	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-diethyl-	210	C16H18	013049-35-9	76	
2	2-Phenyl-3-(3-methylphenyl)-oxirane	210	C15H14O	1000147-20-0	62	
3	1-Methylsulfonyl-1,2-diphenylethane	260	C15H16O2S	015733-05-8	59	
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	53	
5	7-Methyl-4-azafluorene	181	C13H11N	064291-99-2	53	



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

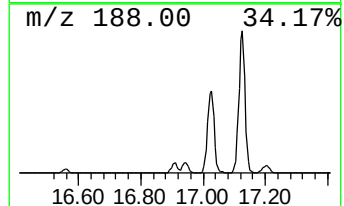
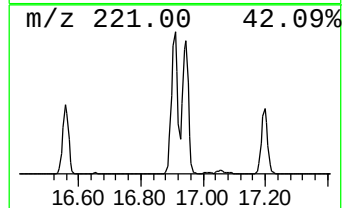
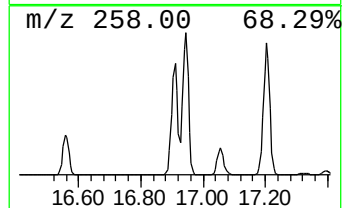
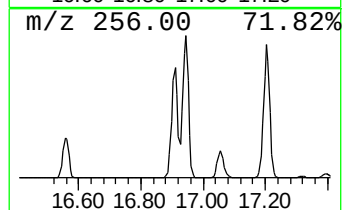
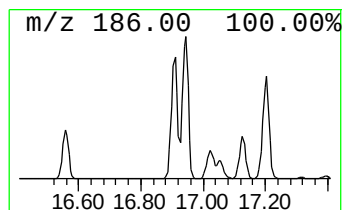
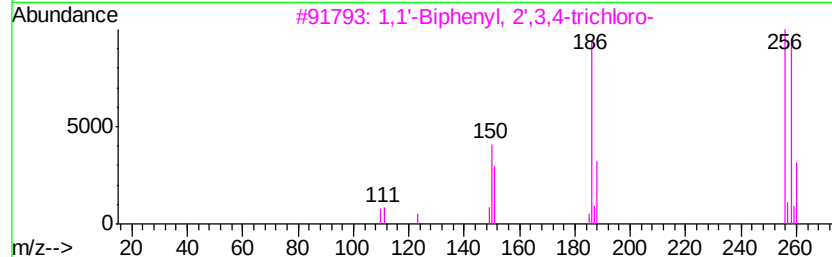
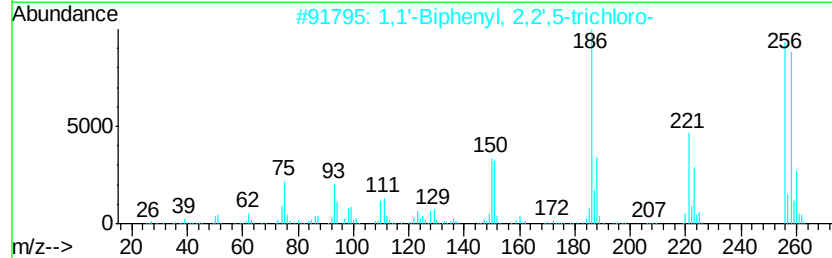
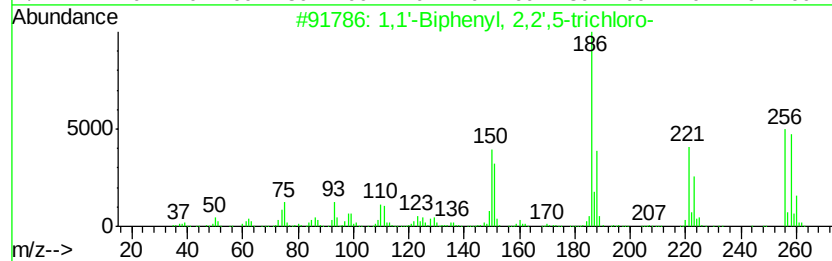
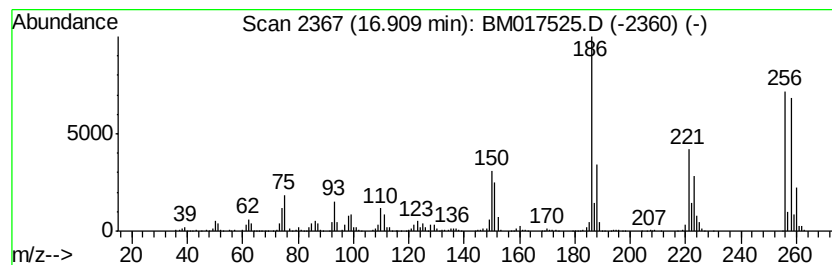
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.91	12.22 ng/ul	4650930	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl,	2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl,	2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl,	2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
5	1,1'-Biphenyl,	2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

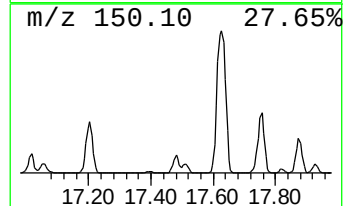
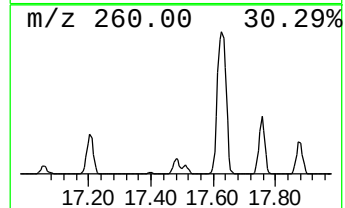
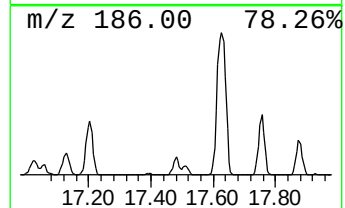
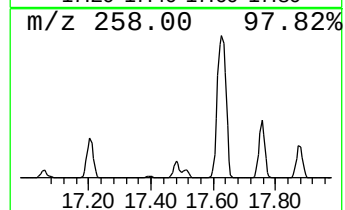
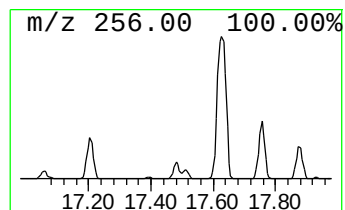
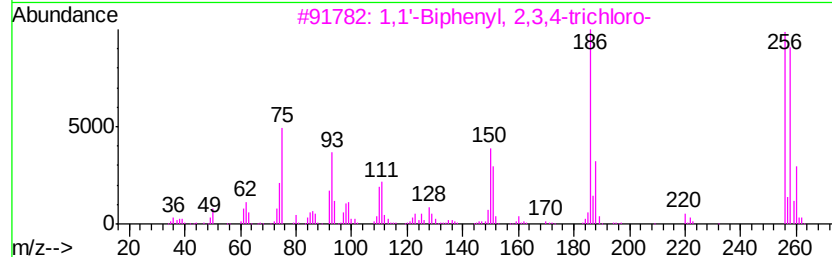
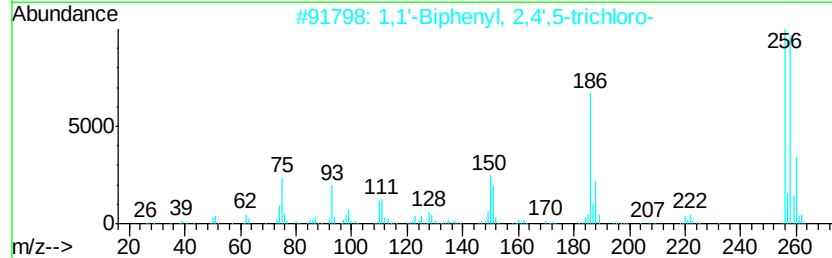
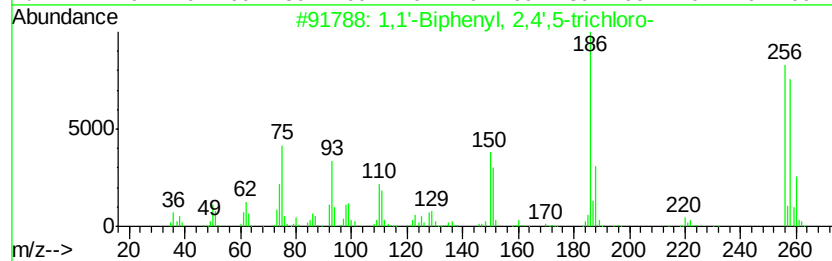
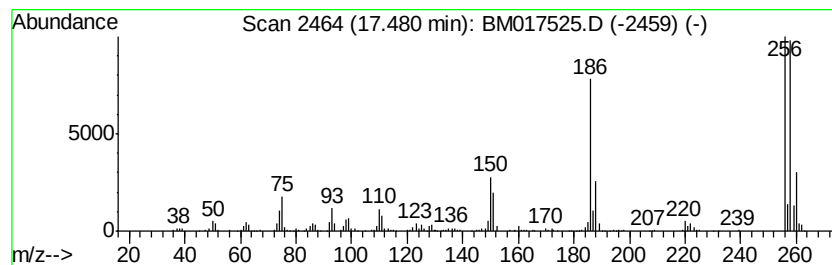
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.48	3.42 ng/ul	1301700	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl,	2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
3	1,1'-Biphenyl,	2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
4	1,1'-Biphenyl,	2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
5	1,1'-Biphenyl,	2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
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Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

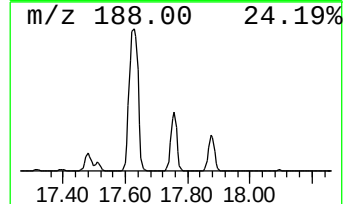
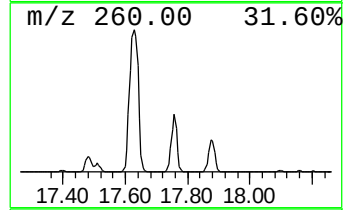
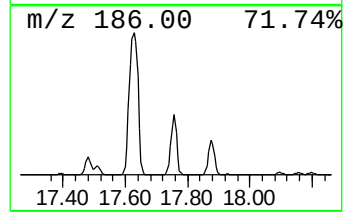
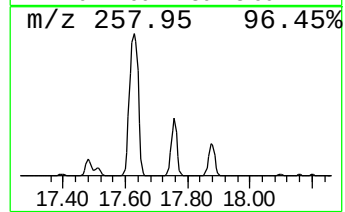
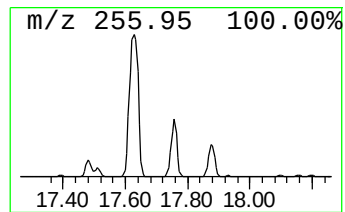
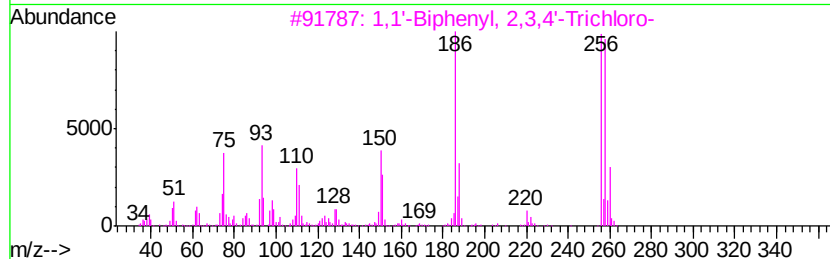
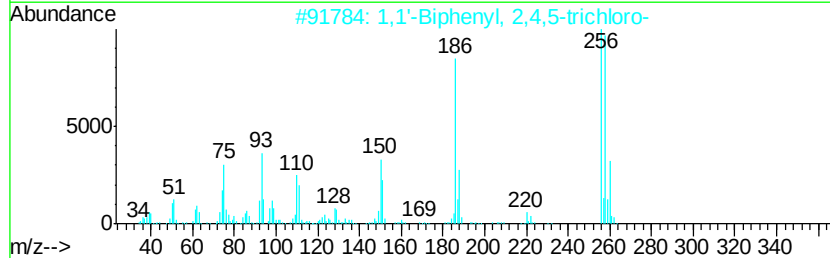
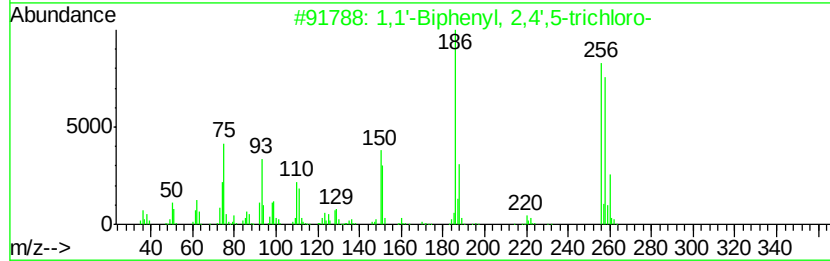
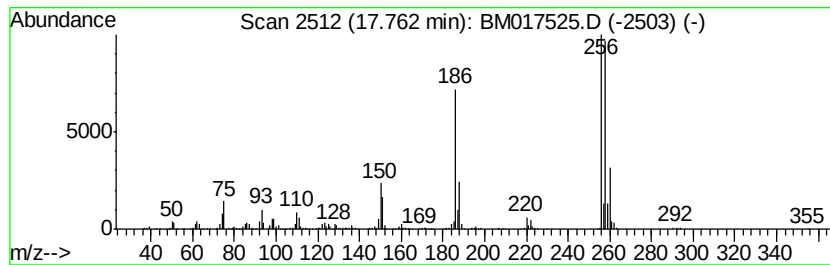
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.76	12.85 ng/ul	4890880	Phenanthrene-d10		17.03
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99
3	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98
5	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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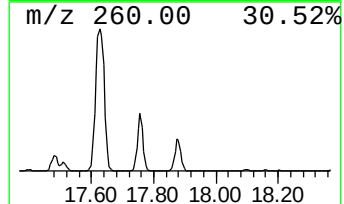
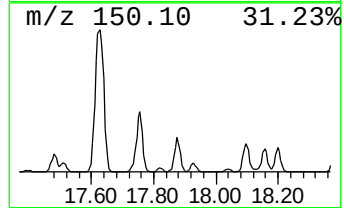
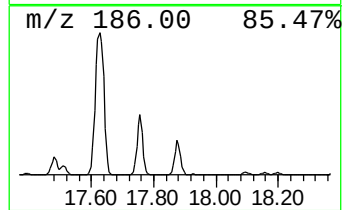
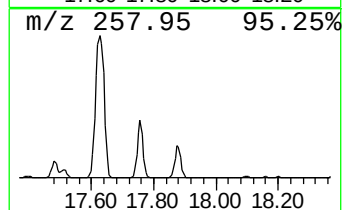
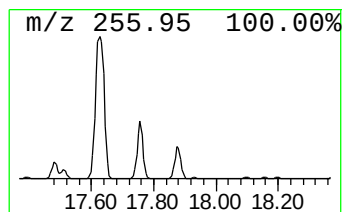
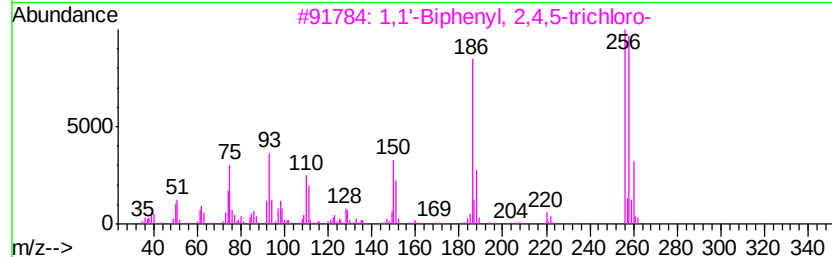
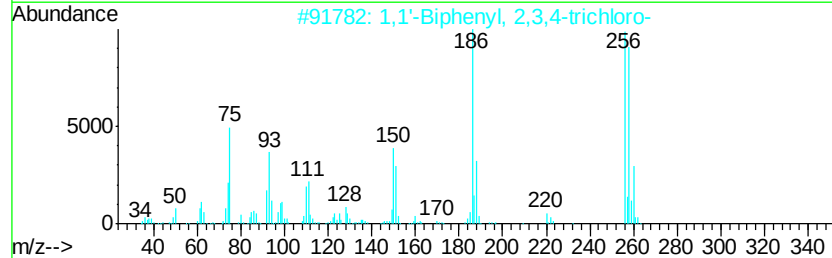
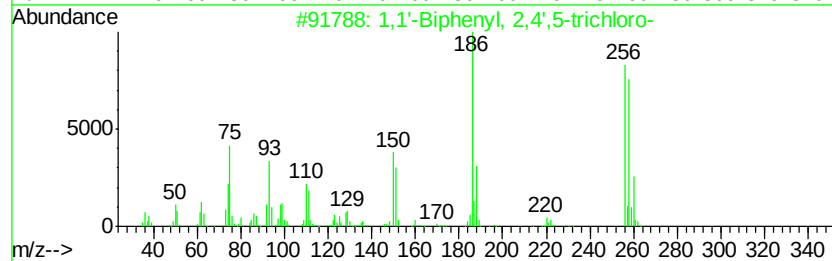
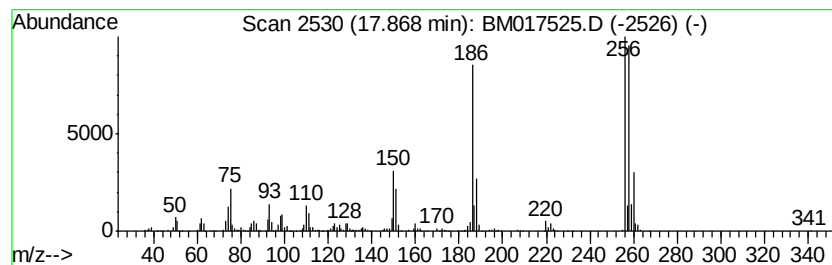
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 1,1'-Biphenyl, 2,3,4-trichl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	6.67 ng/ul	2536360	Phenanthrene-d10	17.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2		1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3		1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99
4		1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
5		1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
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Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

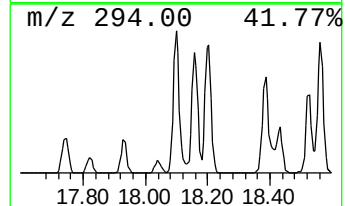
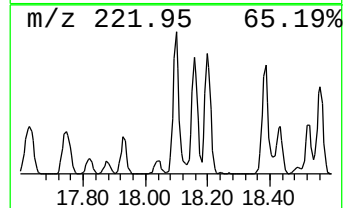
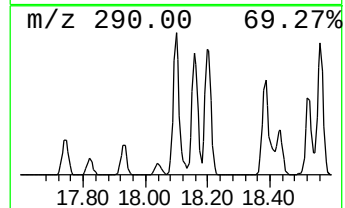
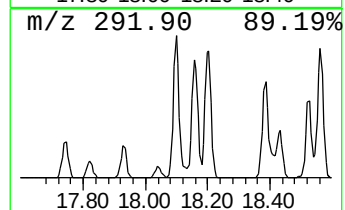
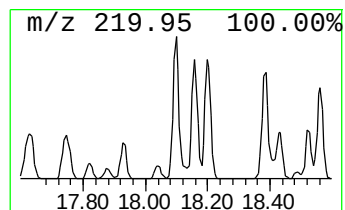
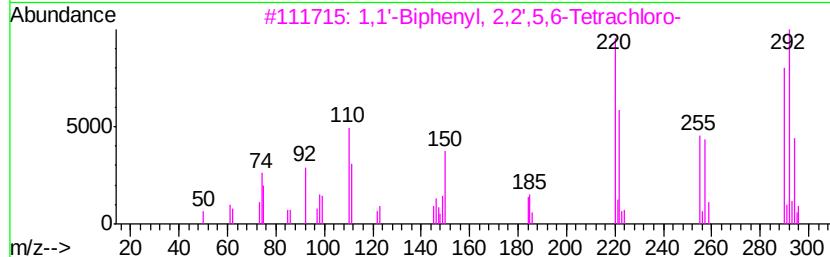
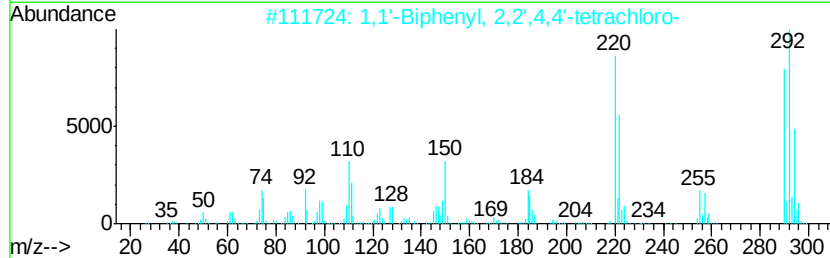
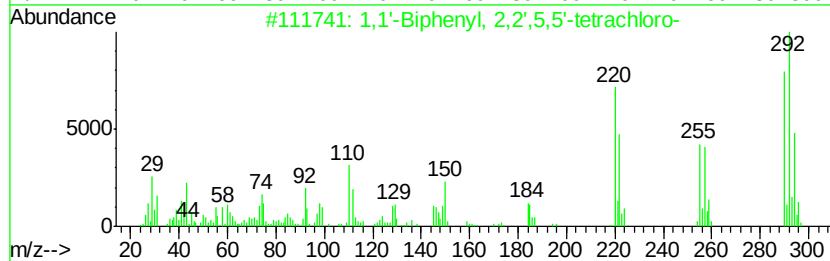
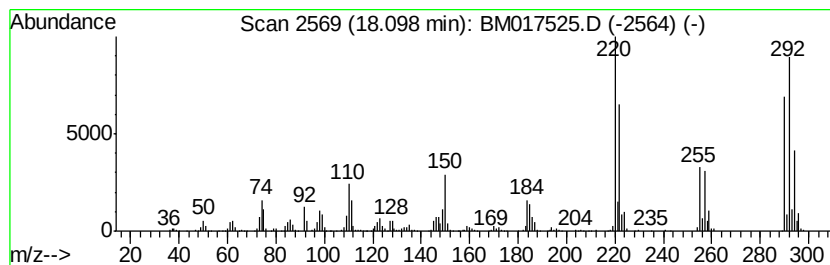
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.10	7.26 ng/ul	2763340	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl,	2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl,	2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl,	2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl,	2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
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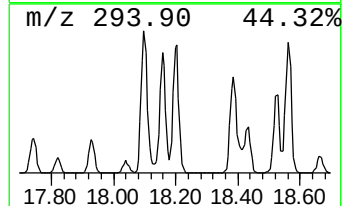
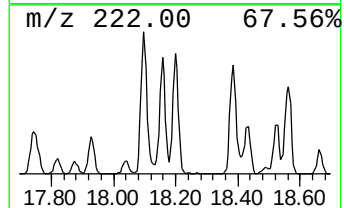
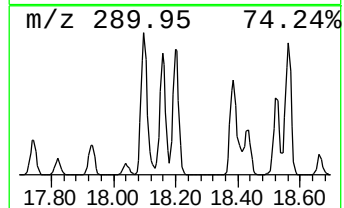
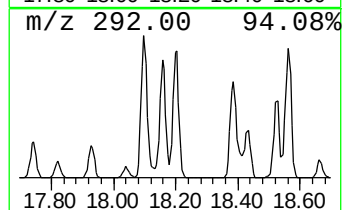
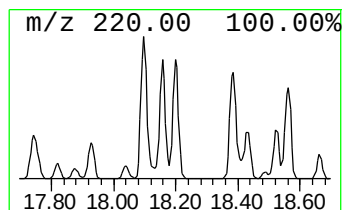
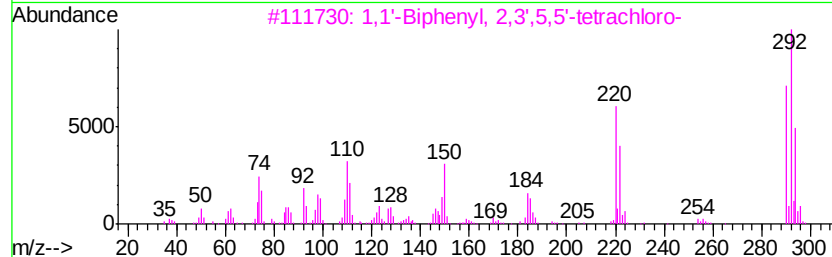
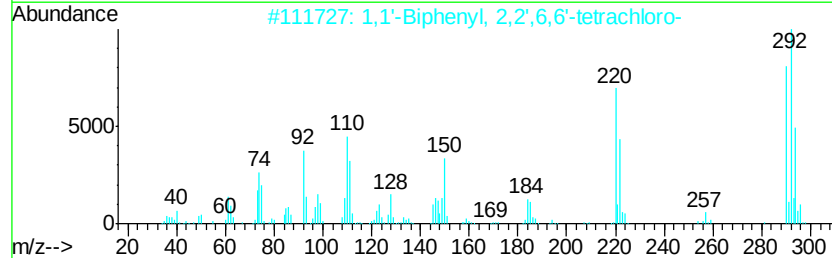
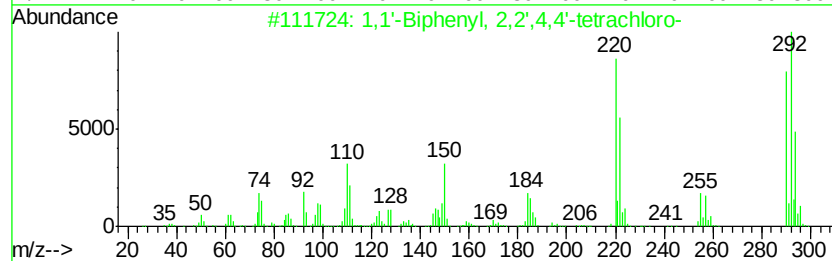
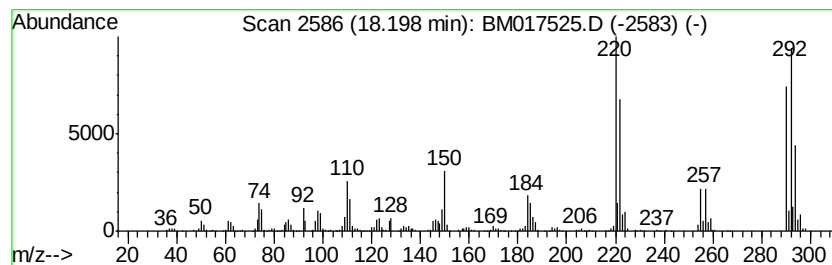
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.20	5.67 ng/ul	2157450	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl,	2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl,	2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl,	2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl,	2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
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Sample : J5704-04ME
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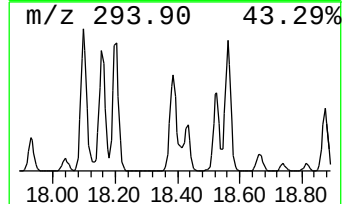
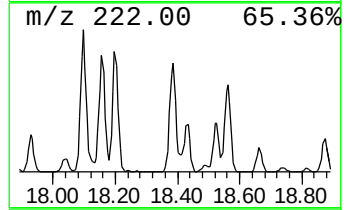
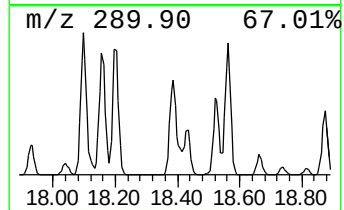
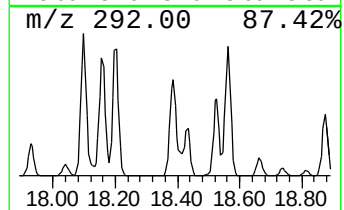
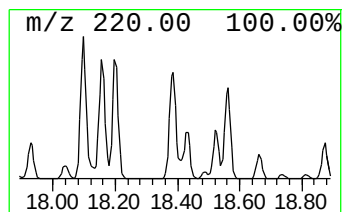
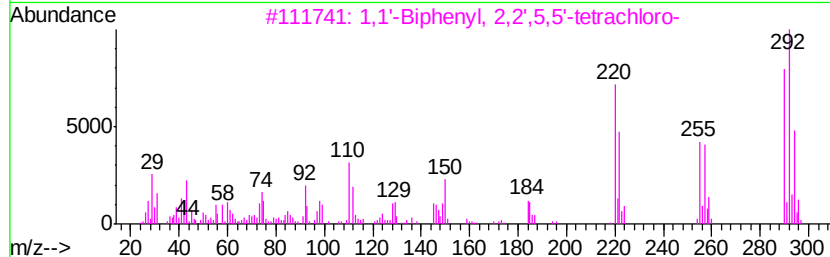
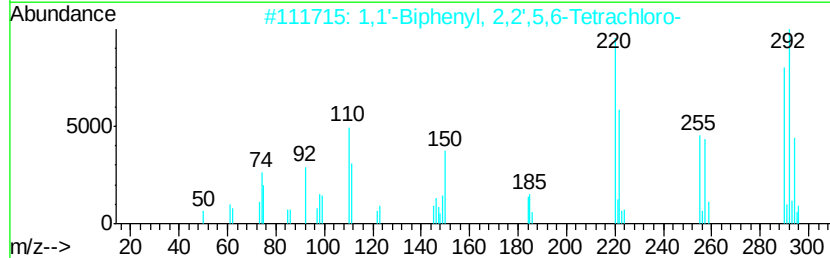
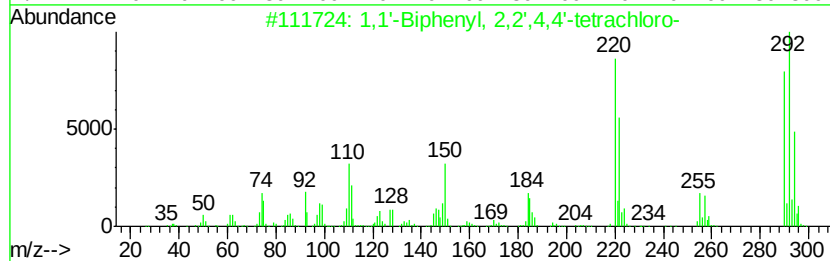
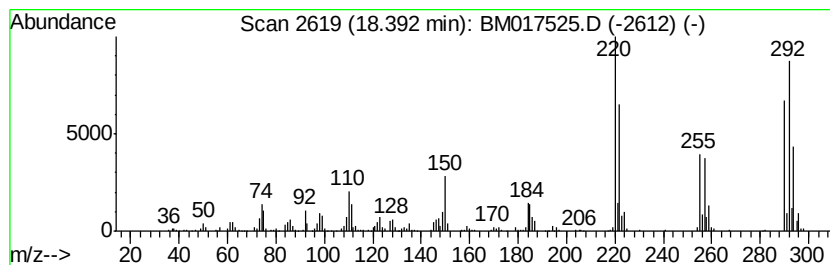
Instrument :
BNA_M
ClientSampleId :
A40G1ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.39	5.95 ng/ul	2262720	Phenanthrene-d10	17.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrachl...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A40G1ME

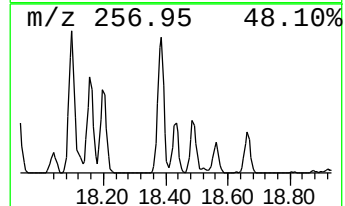
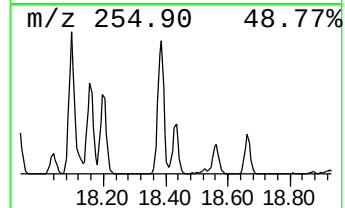
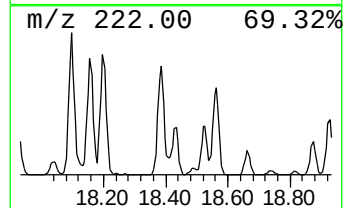
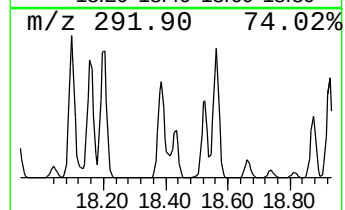
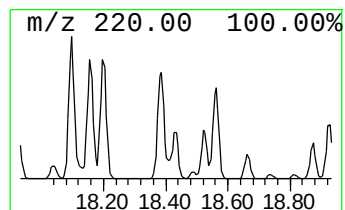
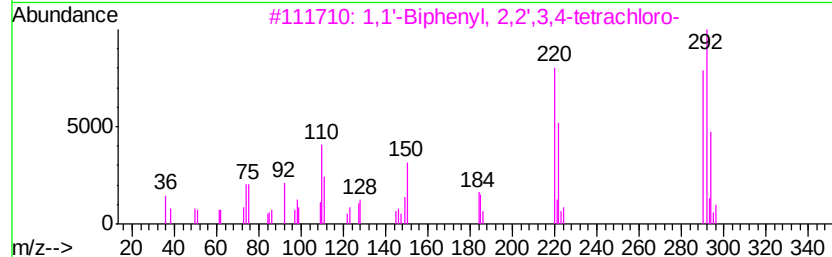
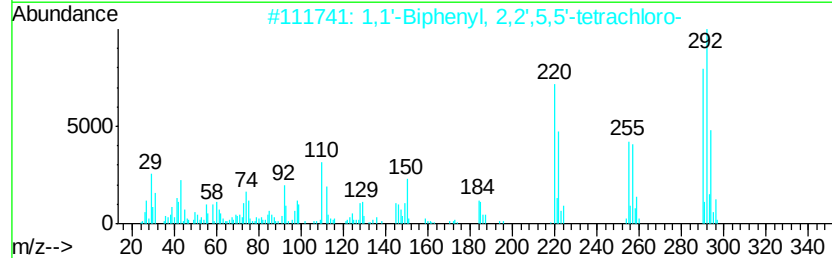
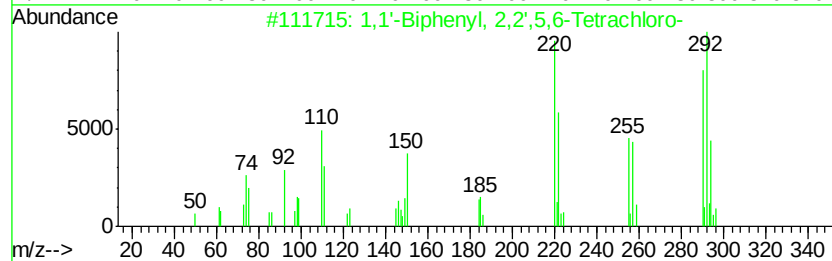
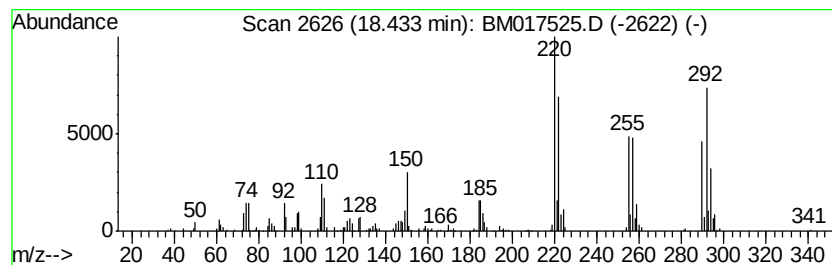
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.46 ng/ul	937780	Phenanthrene-d10	17.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3		1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5		1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

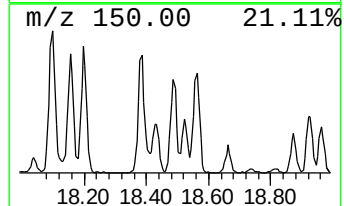
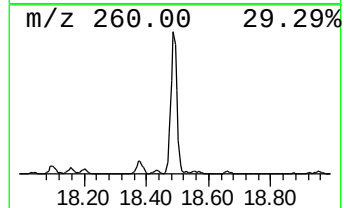
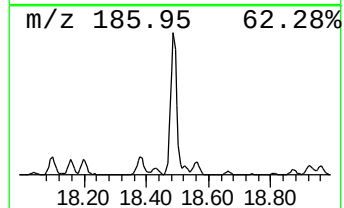
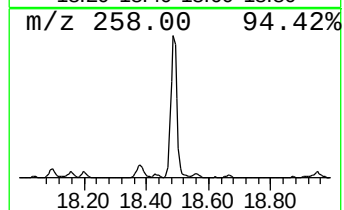
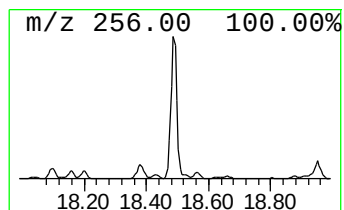
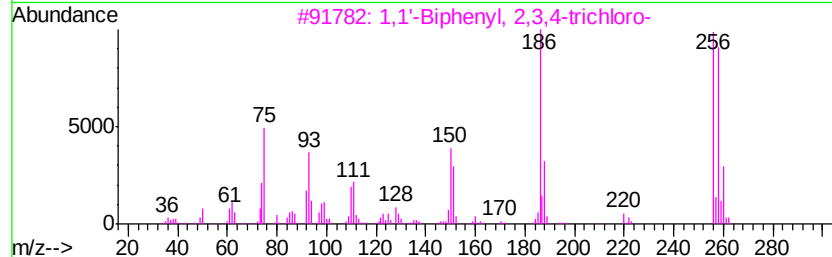
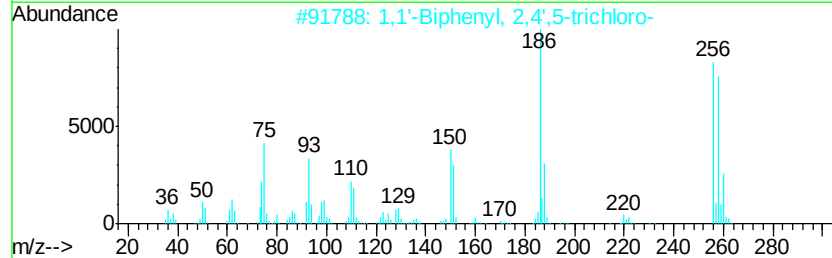
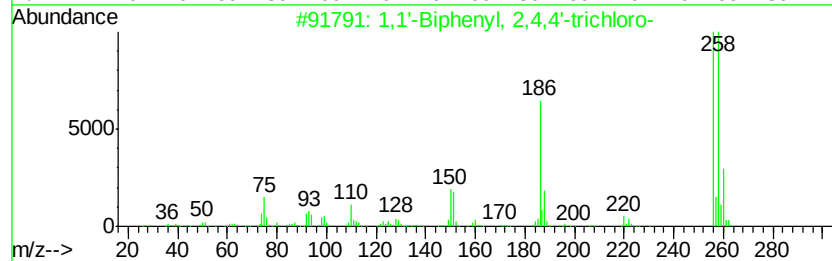
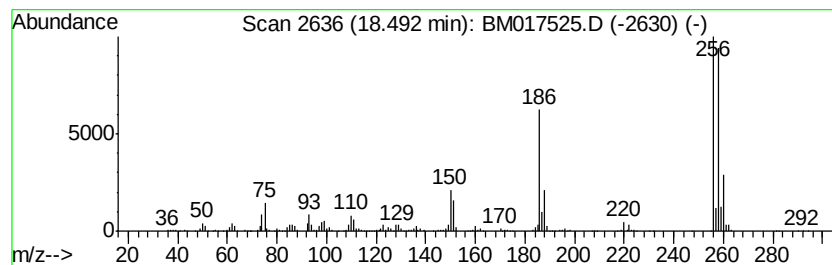
Instrument :
BNA_M
ClientSampleId :
A40G1ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.49	4.44 ng/ul	1689770	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl,	2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
3	1,1'-Biphenyl,	2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
4	1,1'-Biphenyl,	2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
5	1,1'-Biphenyl,	2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

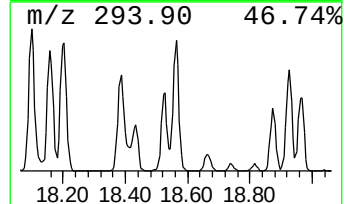
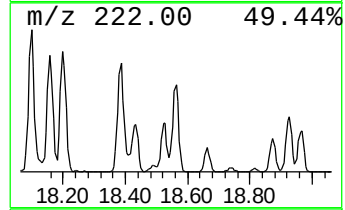
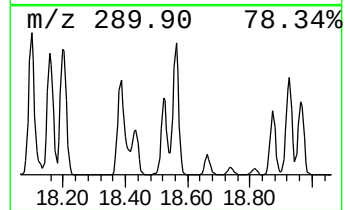
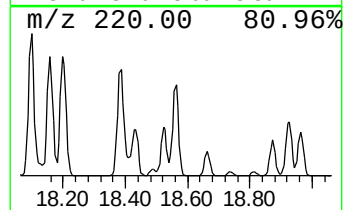
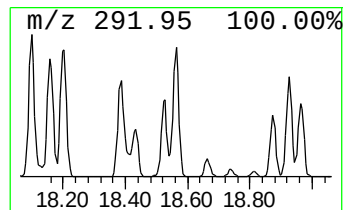
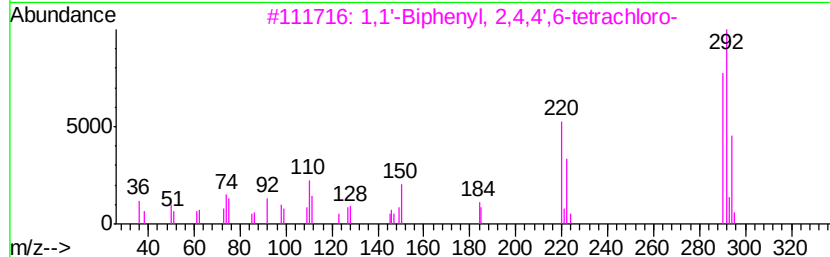
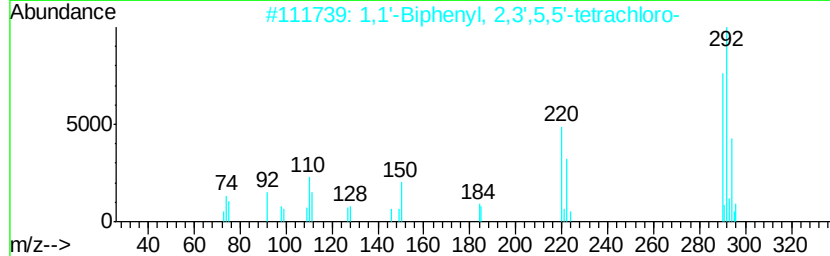
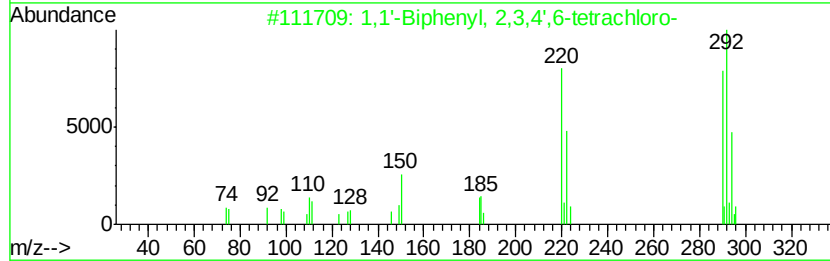
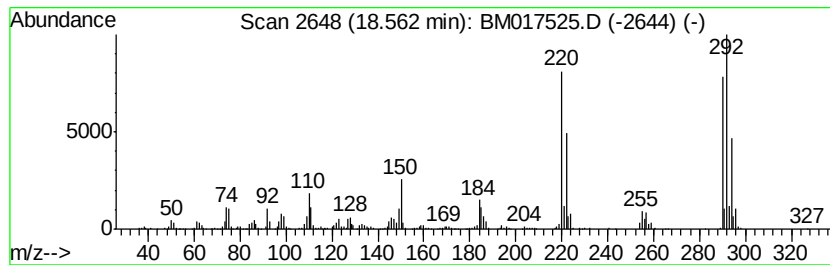
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.56	4.86 ng/ul	1848660	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl,	2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl,	2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
4	1,1'-Biphenyl,	2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl,	2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

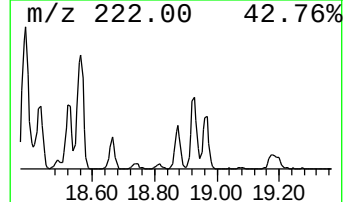
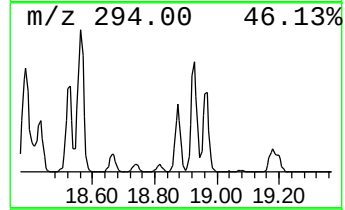
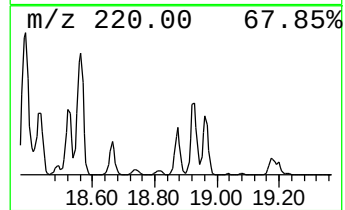
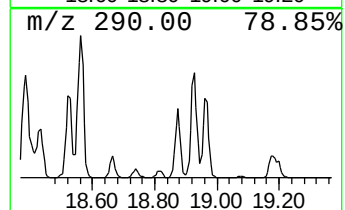
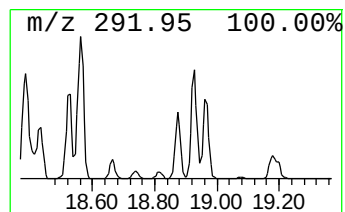
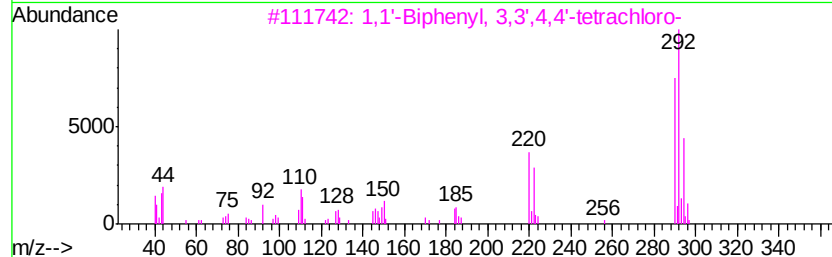
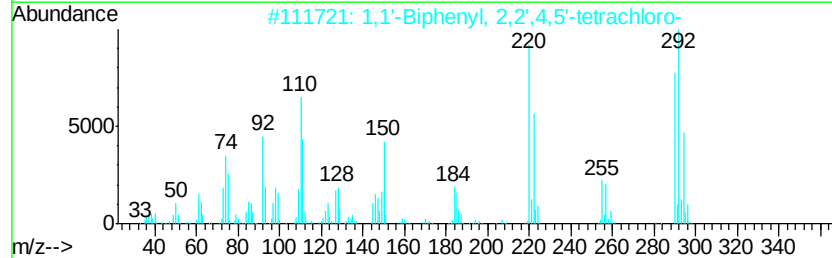
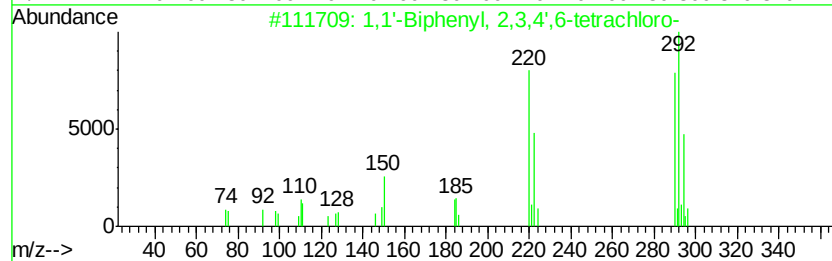
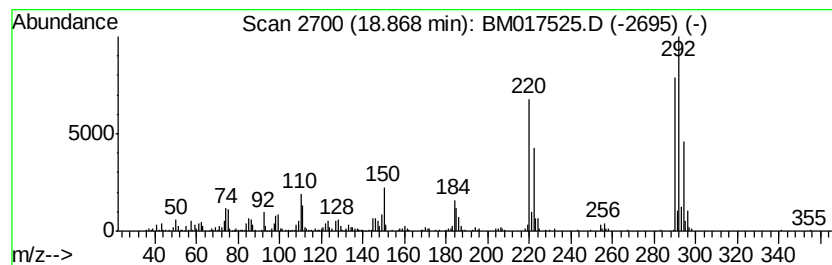
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.87	2.12 ng/ul	805826	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl,	2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3	1,1'-Biphenyl,	3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
4	1,1'-Biphenyl,	2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl,	2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
Data File : BM017525.D
Acq On : 06 Nov 2018 12:21
Operator : MJ/SJ
Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

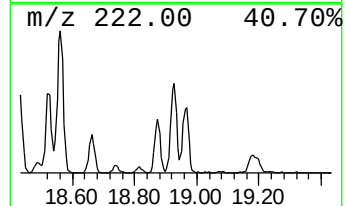
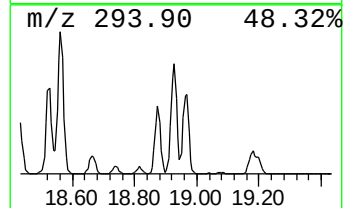
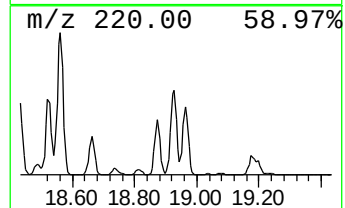
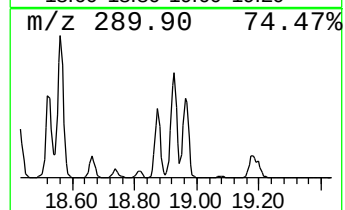
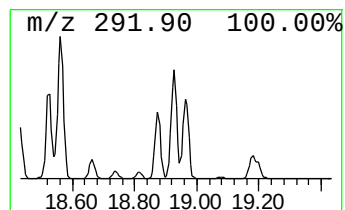
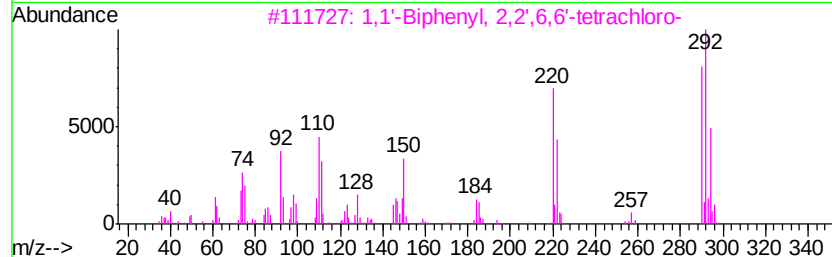
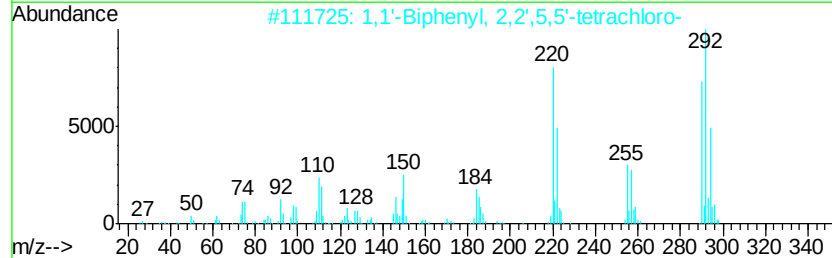
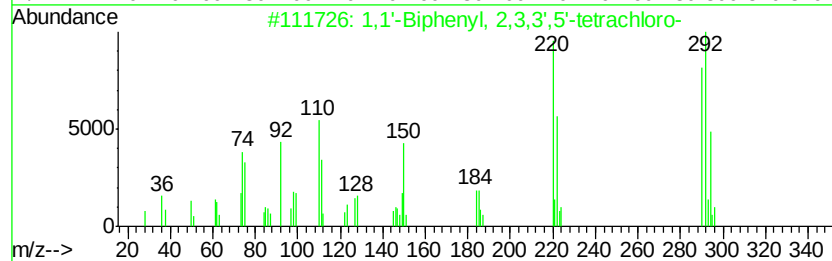
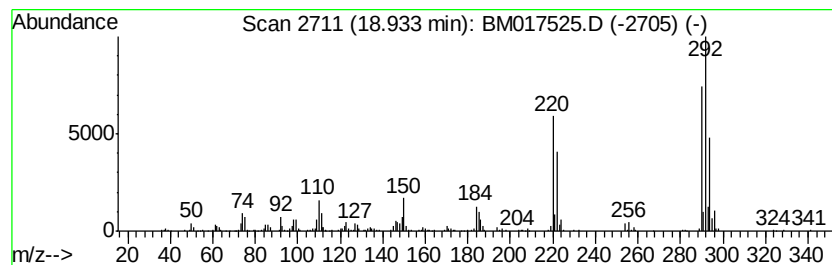
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.93	3.40 ng/ul	1292230	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl,	2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl,	2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl,	2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
5	1,1'-Biphenyl,	2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
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Acq On : 06 Nov 2018 12:21
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Sample : J5704-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

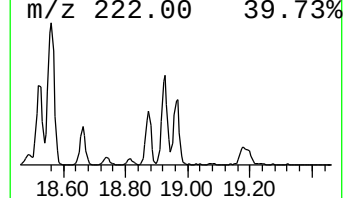
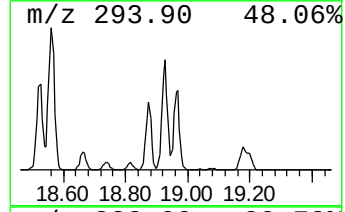
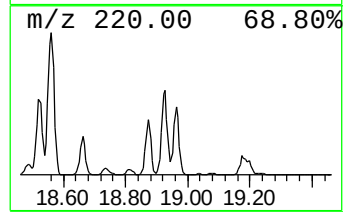
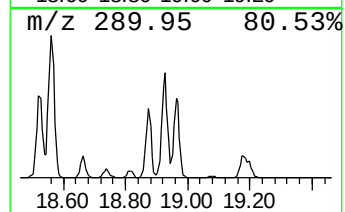
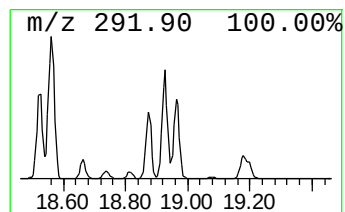
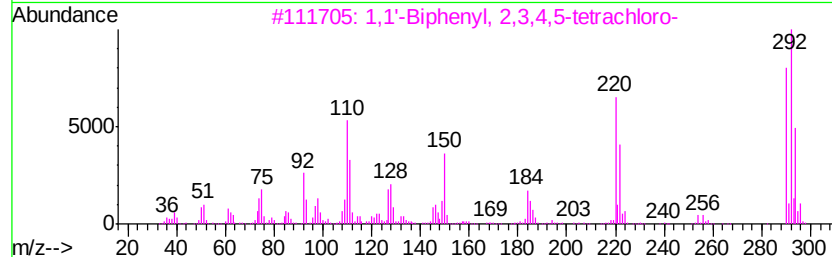
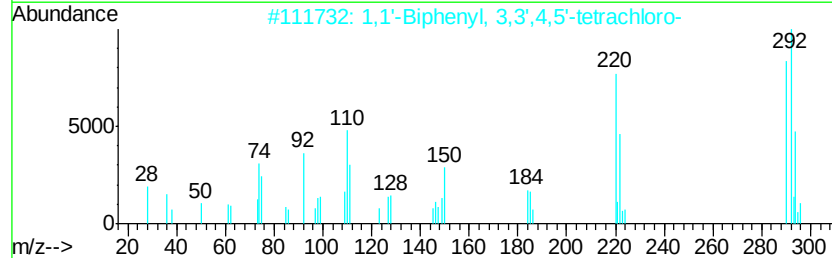
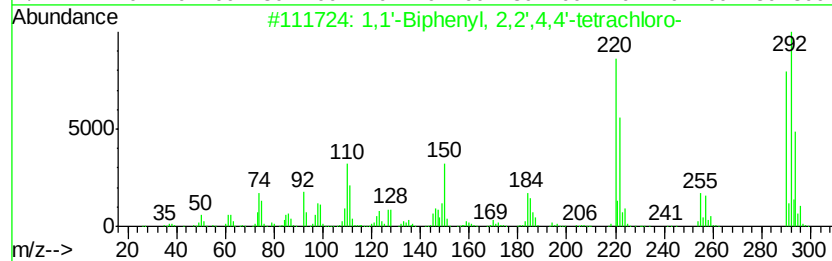
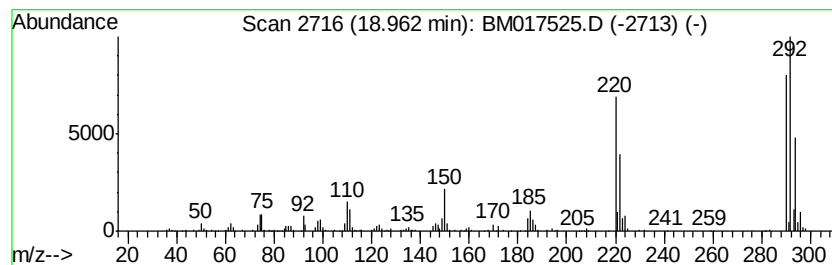
Instrument :
BNA_M
ClientSampleId :
A40G1ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.96	2.85 ng/ul	1086330	Phenanthrene-d10	17.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	95
2	1,1'-Biphenyl,	3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	95
3	1,1'-Biphenyl,	2,3,4,5-tetrachloro-	290	C12H6Cl4	033284-53-6	95
4	1,1'-Biphenyl,	2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	95
5	1,1'-Biphenyl,	3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110618\
 Data File : BM017525.D
 Acq On : 06 Nov 2018 12:21
 Operator : MJ/SJ
 Sample : J5704-04ME
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A40G1ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1,1'-Biphenyl, 2-...	14.40	3.4	ng/ul	649514	3	14.27	3850850	20.0
4-Ethylbiphenyl	15.12	8.4	ng/ul	1616670	3	14.27	3850850	20.0
9H-Fluorene, 9-me...	15.49	16.8	ng/ul	3232310	3	14.27	3850850	20.0
1,1'-Biphenyl, 2,...	15.54	65.5	ng/ul	12601300	3	14.27	3850850	20.0
1,1'-Biphenyl, 3-...	15.59	717.4	ng/ul	138128000	3	14.27	3850850	20.0
Benzene, 3,5-dime...	15.90	251.6	ng/ul	95749500	4	17.03	7610500	20.0
Benzeneacetaldehy...	15.93	4.3	ng/ul	1623260	4	17.03	7610500	20.0
unknown-01	16.10	2.9	ng/ul	1085160	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	16.14	4.3	ng/ul	1652980	4	17.03	7610500	20.0
1,1'-Biphenyl, 3,...	16.26	29.8	ng/ul	11347400	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	16.63	2.2	ng/ul	828150	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	16.91	12.2	ng/ul	4650930	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	17.48	3.4	ng/ul	1301700	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	17.76	12.9	ng/ul	4890880	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	17.87	6.7	ng/ul	2536360	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	18.10	7.3	ng/ul	2763340	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	18.20	5.7	ng/ul	2157450	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	18.39	6.0	ng/ul	2262720	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	18.43	2.5	ng/ul	937780	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	18.49	4.4	ng/ul	1689770	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	18.56	4.9	ng/ul	1848660	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	18.87	2.1	ng/ul	805826	4	17.03	7610500	20.0
1,1'-Biphenyl, 2,...	18.93	3.4	ng/ul	1292230	4	17.03	7610500	20.0
1,1'-Biphenyl, 3,...	18.96	2.9	ng/ul	1086330	4	17.03	7610500	20.0