

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
 Data File : BM005065.D
 Acq On : 26 Apr 2016 03:08
 Operator : UM/SJ
 Sample : H2584-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7Q1

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-BM042516.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	6.892	693	715	721	rBV	142755	451129	1.26%	0.506%
2	7.134	750	756	763	rBV	231291	371215	1.04%	0.416%
3	7.334	784	790	799	rVB	266910	428967	1.20%	0.481%
4	8.175	925	933	940	rBV	896448	1517541	4.23%	1.701%
5	8.339	950	961	967	rBV	1329254	2338320	6.52%	2.622%
6	8.504	982	989	995	rBV	240514	421791	1.18%	0.473%
7	8.963	1060	1067	1076	rVB2	307016	589387	1.64%	0.661%
8	9.275	1113	1120	1126	rVV	229566	481240	1.34%	0.540%
9	9.686	1182	1190	1201	rVB	237500	467646	1.30%	0.524%
10	9.986	1234	1241	1246	rBV3	210807	451249	1.26%	0.506%
11	10.098	1253	1260	1273	rVV4	151628	437915	1.22%	0.491%
12	10.227	1274	1282	1299	rVB	298343	743924	2.07%	0.834%
13	10.739	1339	1369	1373	rBV	6259021	35864655	100.00%	40.209%
14	10.804	1373	1380	1385	rVB	1618235	2539190	7.08%	2.847%
15	11.433	1476	1487	1495	rVB2	212729	548678	1.53%	0.615%
16	11.980	1574	1580	1588	rVB	238666	398387	1.11%	0.447%
17	12.263	1619	1628	1634	rBV	2040943	3661707	10.21%	4.105%
18	12.480	1654	1665	1674	rVB	1305296	2228796	6.21%	2.499%
19	13.268	1792	1799	1807	rBV	392834	633357	1.77%	0.710%
20	13.616	1844	1858	1866	rBV2	229199	643095	1.79%	0.721%
21	13.757	1875	1882	1887	rBV	333684	594049	1.66%	0.666%
22	13.851	1894	1898	1903	rVB	771971	1077803	3.01%	1.208%
23	14.133	1940	1946	1950	rBV	824980	1412041	3.94%	1.583%
24	14.439	1988	1998	2003	rBV3	283904	603307	1.68%	0.676%
25	14.510	2003	2010	2016	rVV	1593840	2580858	7.20%	2.893%
26	14.627	2025	2030	2040	rVV2	181171	494385	1.38%	0.554%
27	14.839	2060	2066	2070	rVV	1144316	1901850	5.30%	2.132%
28	14.880	2070	2073	2077	rVV	387629	549712	1.53%	0.616%
29	14.933	2077	2082	2092	rVB	451509	719705	2.01%	0.807%
30	15.392	2152	2160	2163	rBV	211668	372518	1.04%	0.418%
31	15.439	2163	2168	2172	rVV	1015902	1614397	4.50%	1.810%
32	15.492	2172	2177	2183	rVB	1409567	2158993	6.02%	2.421%
33	15.557	2183	2188	2195	rBV	438094	688375	1.92%	0.772%
34	15.927	2247	2251	2260	rVV2	160731	358825	1.00%	0.402%

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35	16.180	2282	2294	2305	rBV3	358218	828151	2.31%	0.928%
36	16.445	2330	2339	2343	rBV2	185432	437413	1.22%	0.490%
37	17.004	2429	2434	2443	rVB2	208653	400815	1.12%	0.449%
38	17.186	2460	2465	2468	rBV	361054	556167	1.55%	0.624%
39	17.233	2468	2473	2478	rVV	1885281	2967752	8.27%	3.327%
40	17.286	2478	2482	2486	rVV2	1255353	2037429	5.68%	2.284%
41	17.321	2486	2488	2493	rVV	477825	560494	1.56%	0.628%
42	17.592	2529	2534	2540	rVB	853547	1279662	3.57%	1.435%
43	18.080	2610	2617	2619	rVV2	193432	372742	1.04%	0.418%
44	18.256	2641	2647	2652	rBV	234619	404272	1.13%	0.453%
45	19.245	2810	2815	2822	rVB	594554	876846	2.44%	0.983%
46	19.497	2850	2858	2864	rVV	1428790	1744236	4.86%	1.956%
47	19.586	2866	2873	2885	rVB2	1431724	2621633	7.31%	2.939%
48	19.809	2904	2911	2916	rVB	368215	425067	1.19%	0.477%
49	21.374	3170	3177	3181	rBV	539439	774261	2.16%	0.868%
50	23.515	3533	3541	3556	rVB2	968772	1977226	5.51%	2.217%
51	23.656	3558	3565	3579	rVB	298532	586028	1.63%	0.657%

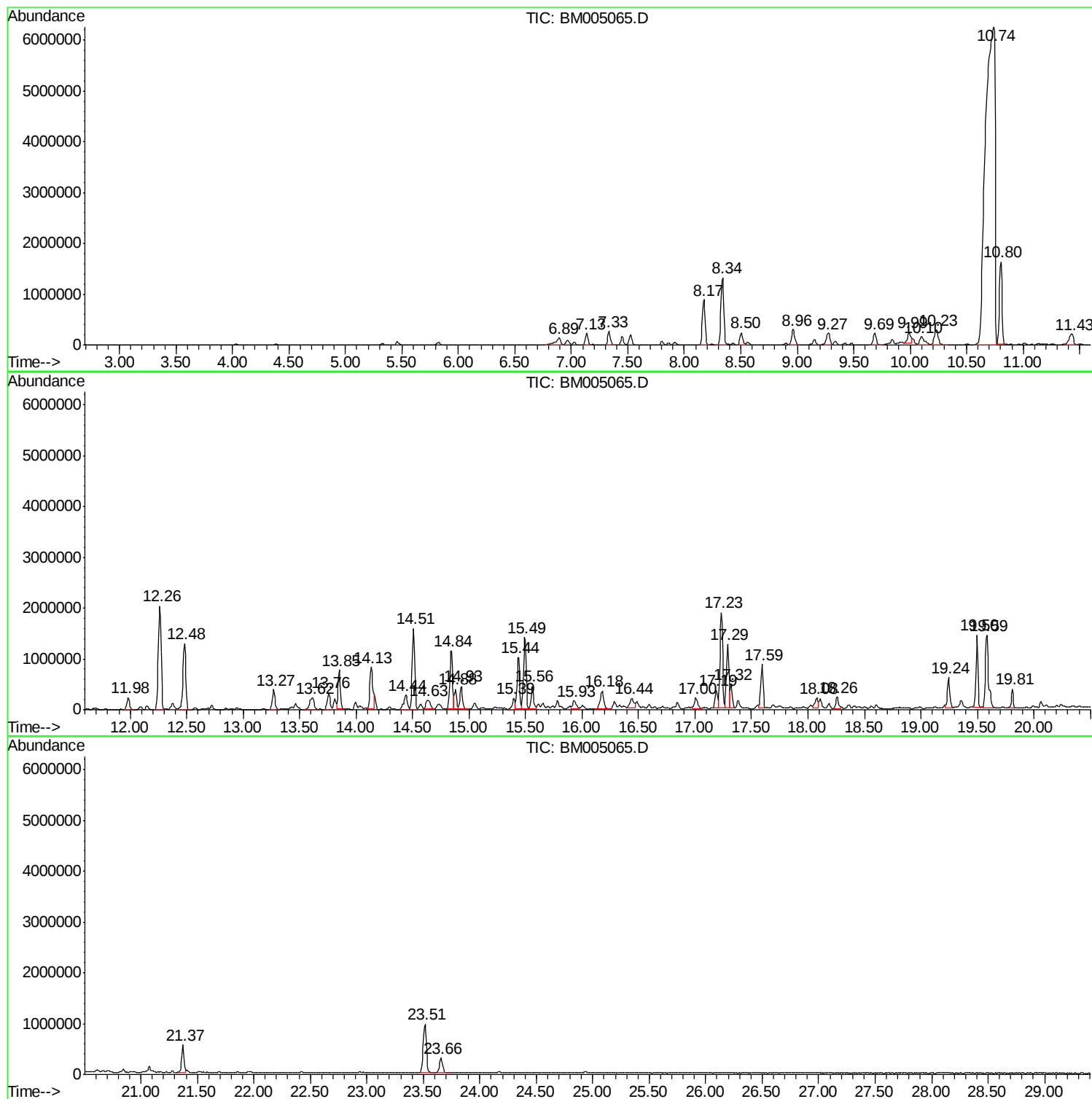
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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



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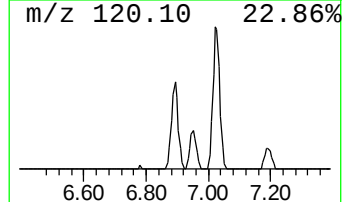
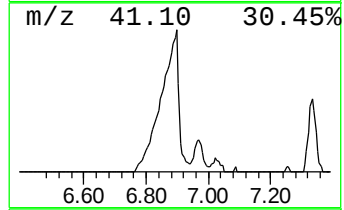
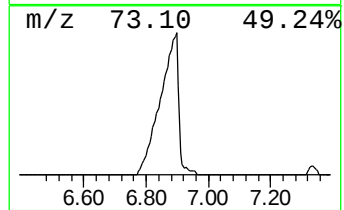
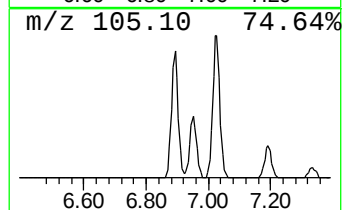
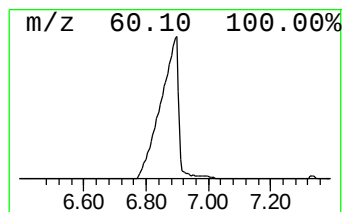
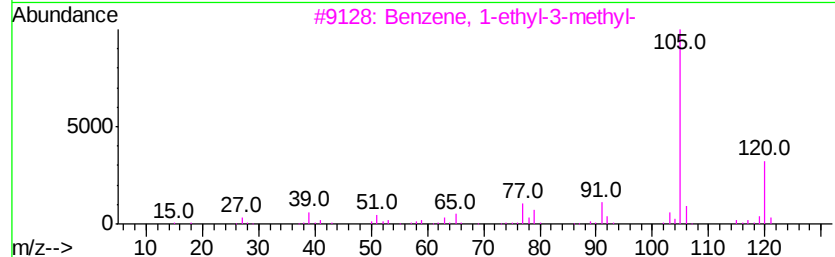
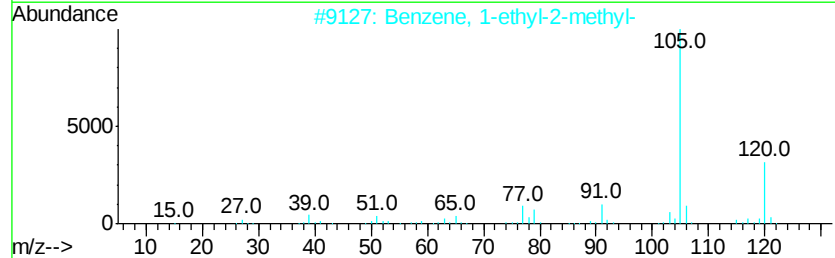
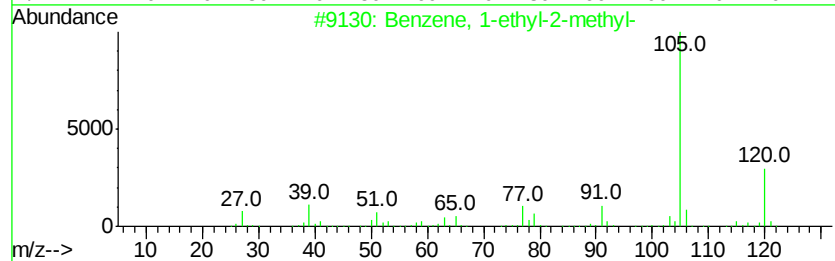
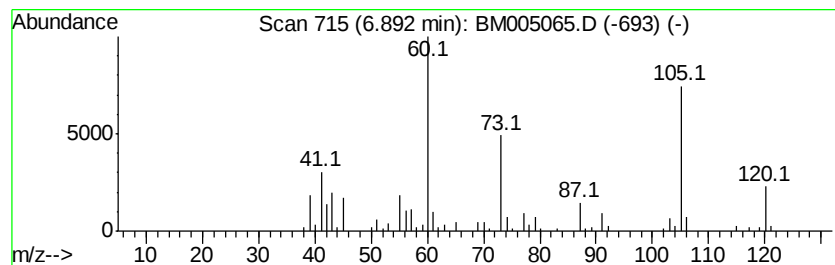
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	5.95 ng/ul	451129	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	74
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
4		Hexanoic acid	116	C6H12O2	000142-62-1	52
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	38



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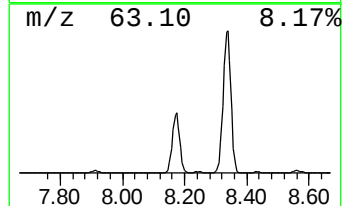
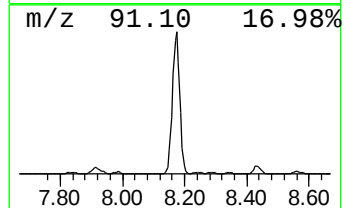
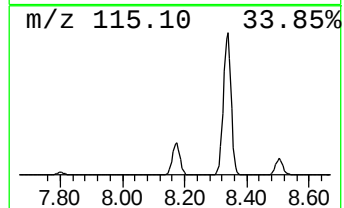
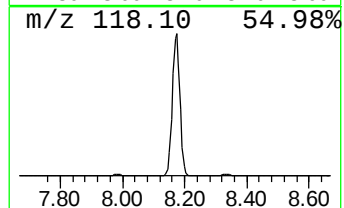
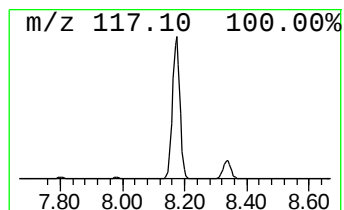
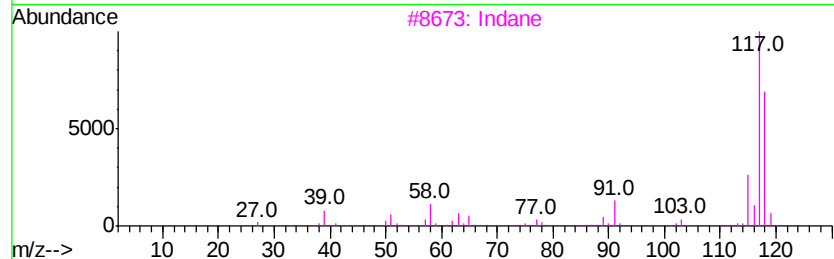
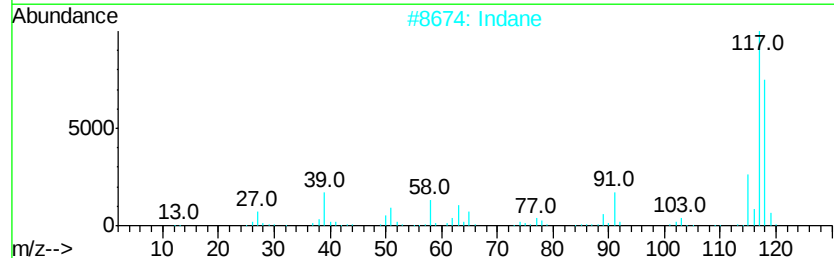
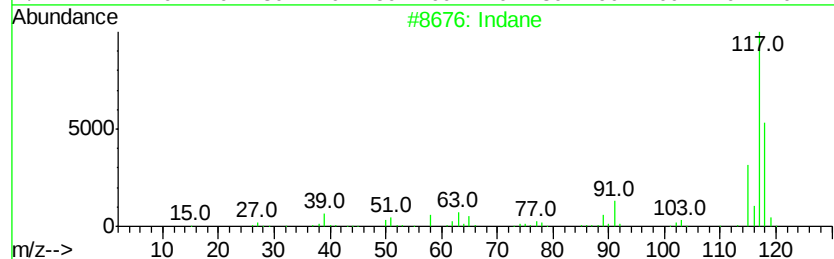
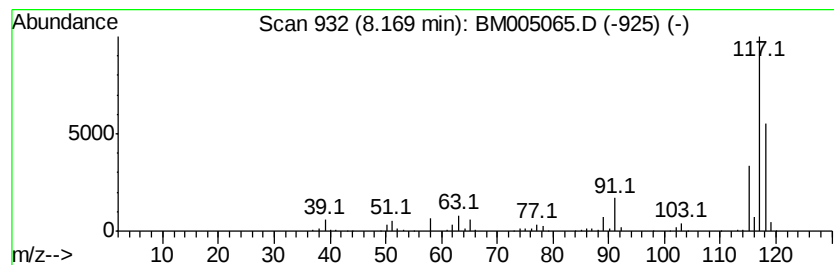
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	20.00 ng/ul	1517540	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	93
2	Indane		118	C9H10	000496-11-7	91
3	Indane		118	C9H10	000496-11-7	87
4	Deltacyclene		118	C9H10	007785-10-6	72
5	Indane		118	C9H10	000496-11-7	60



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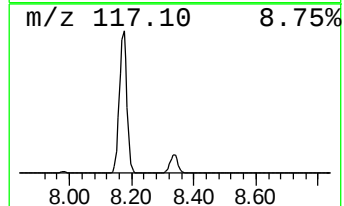
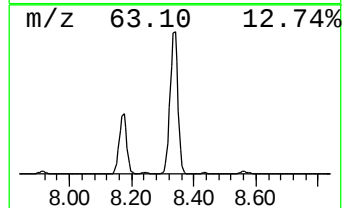
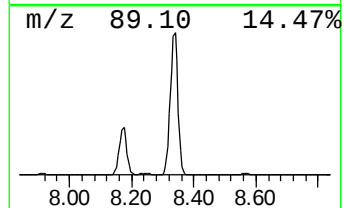
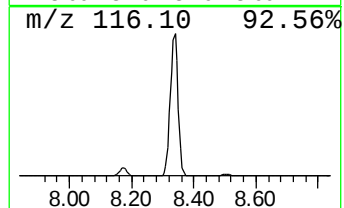
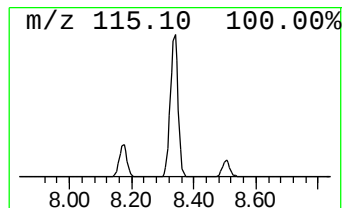
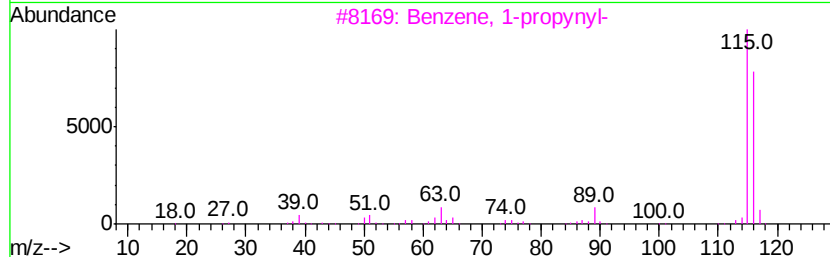
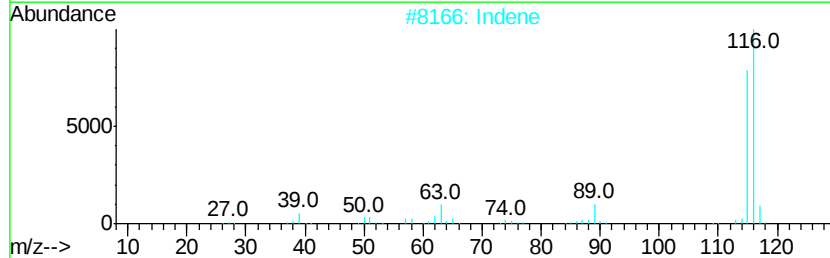
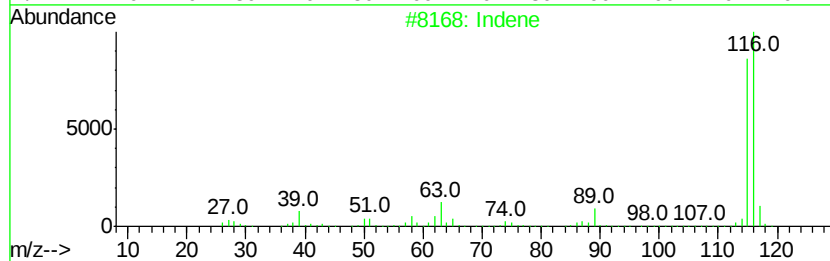
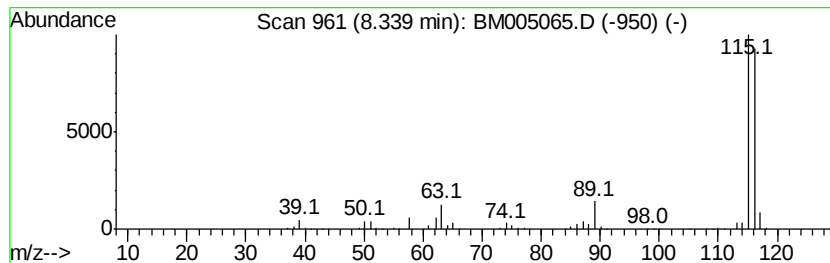
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	30.82 ng/ul	2338320	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	95
2		Indene	116	C9H8	000095-13-6	94
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91



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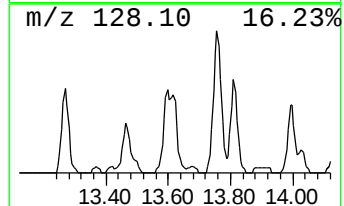
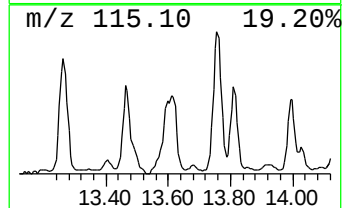
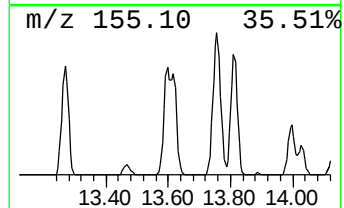
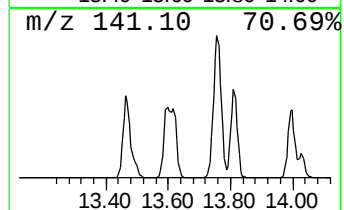
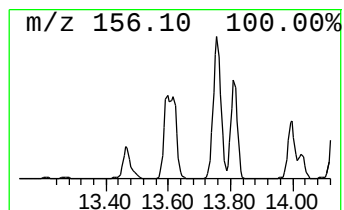
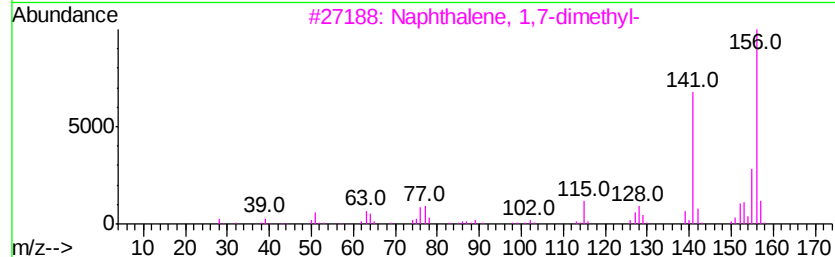
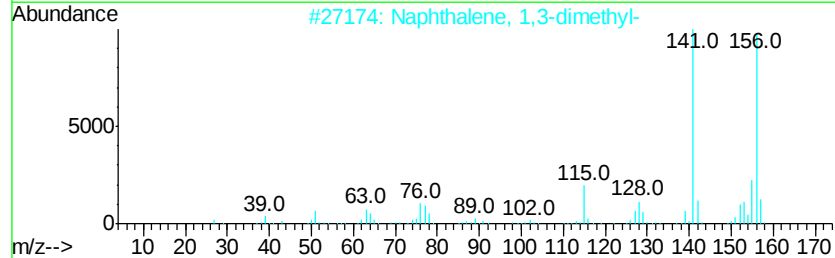
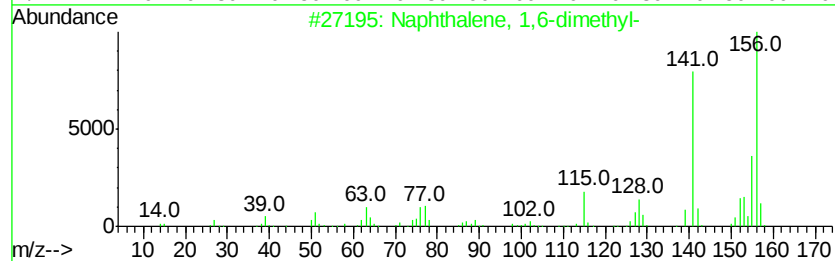
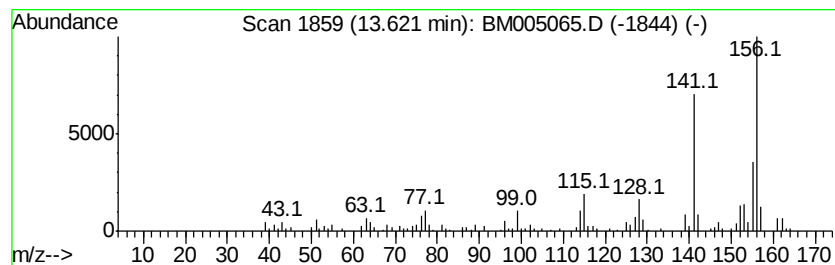
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	21.32 ng/ul	643095	Acenaphthene-d10	14.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



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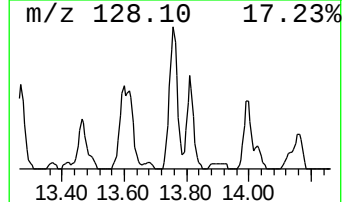
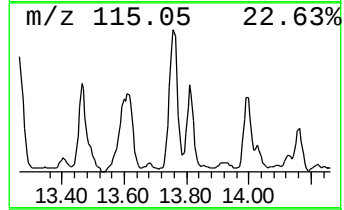
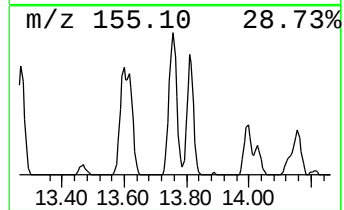
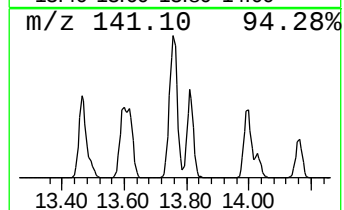
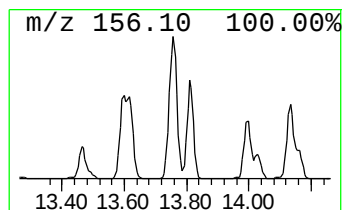
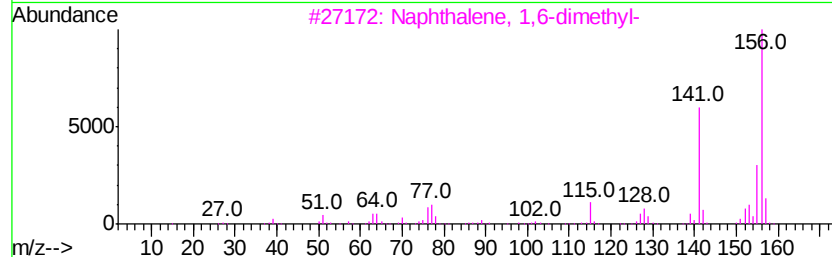
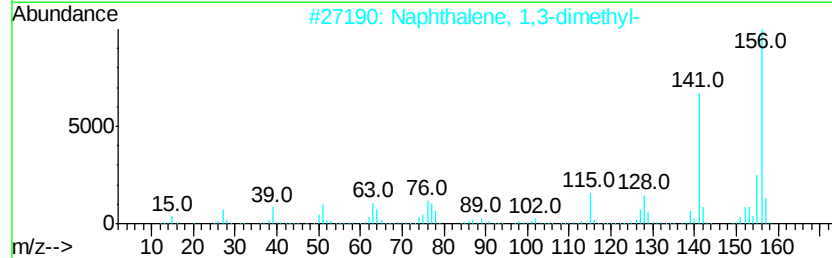
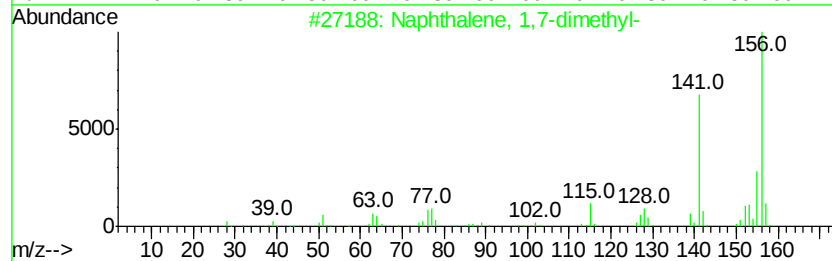
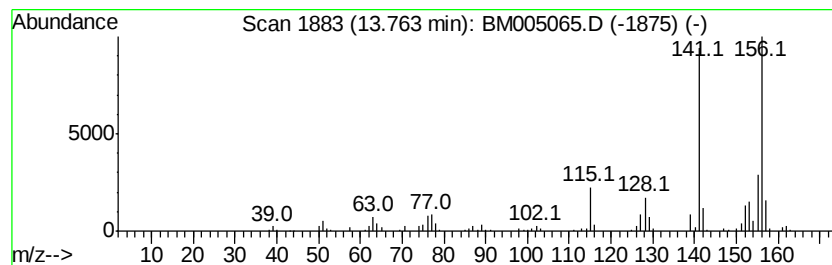
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	19.69 ng/ul	594049	Acenaphthene-d10	14.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005065.D
Acq On : 26 Apr 2016 03:08
Operator : UM/SJ
Sample : H2584-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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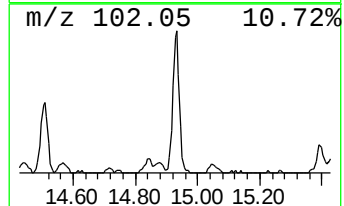
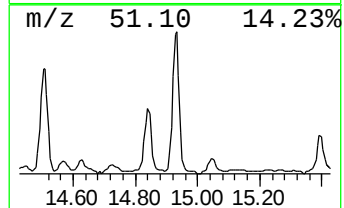
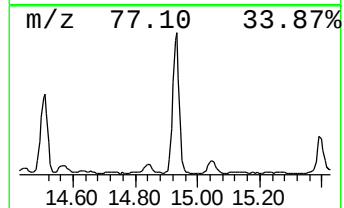
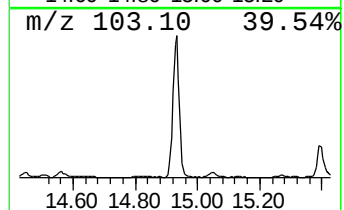
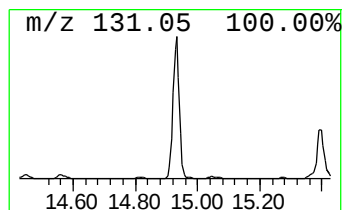
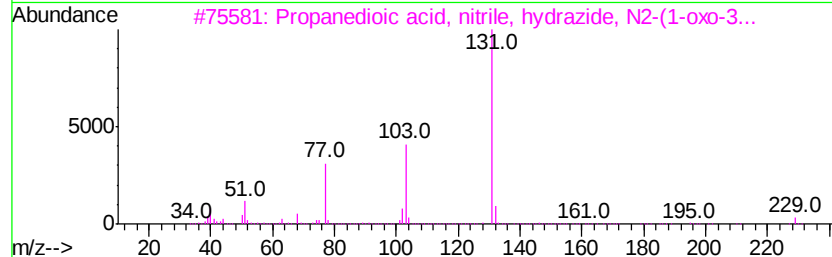
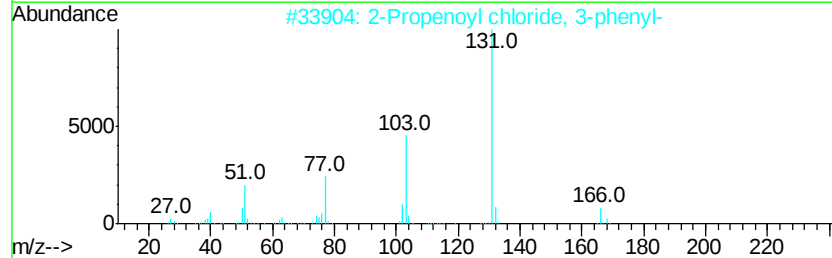
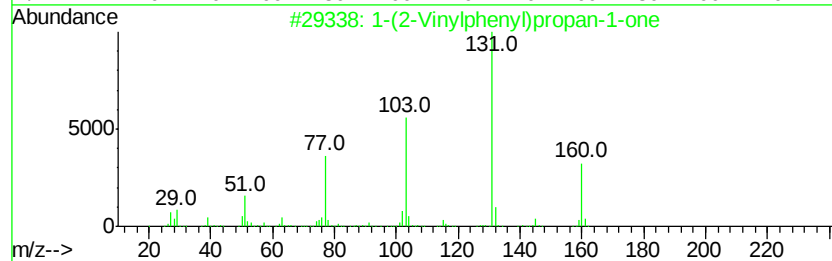
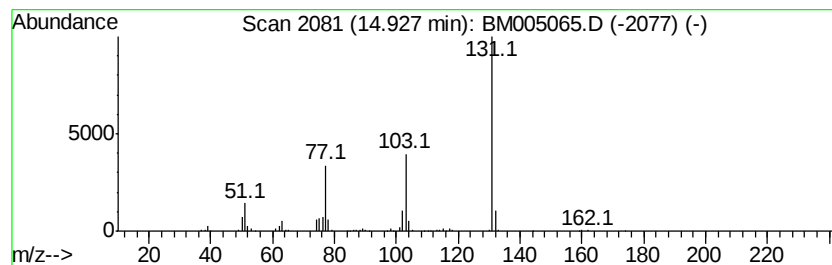
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1-(2-Vinylphenyl)propan-1-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	23.86 ng/ul	719705	Acenaphthene-d10	14.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-(2-Vinylphenyl)propan-1-one	160	C11H12O	052095-41-7	83
2		2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	83
3		Propanedioic acid, nitrile, hvdr...	229	C12H11N3O2	294878-35-6	83
4		1-Penten-3-one, 4-methyl-1-phenyl-	174	C12H14O	003160-32-5	78
5		p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
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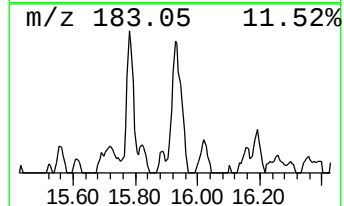
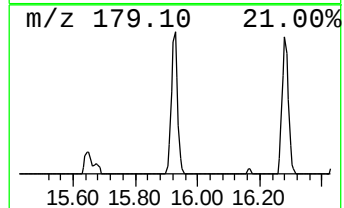
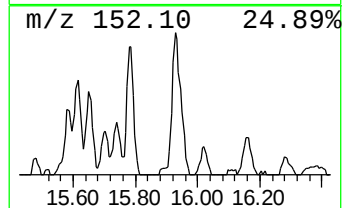
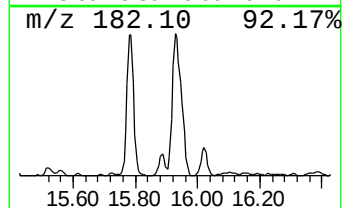
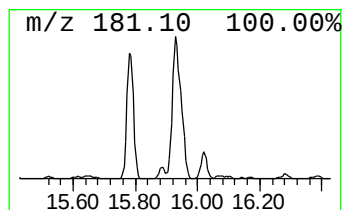
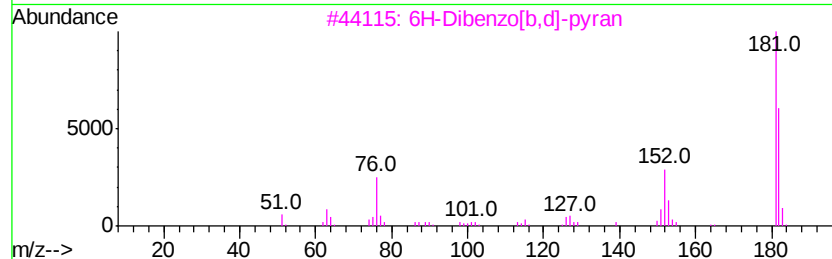
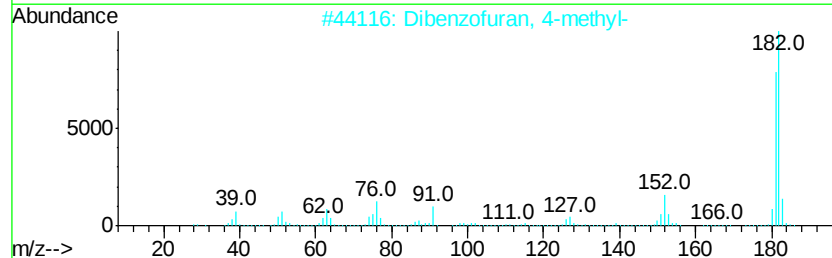
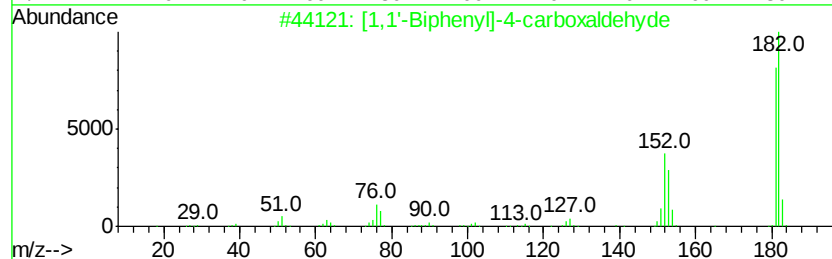
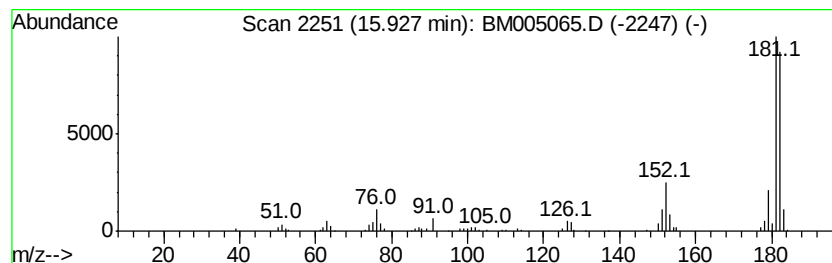
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	12.90 ng/ul	358825	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	89
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	87
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005065.D
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Operator : UM/SJ
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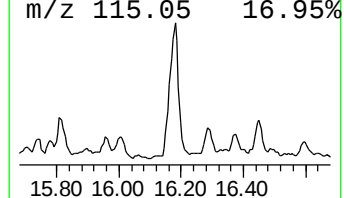
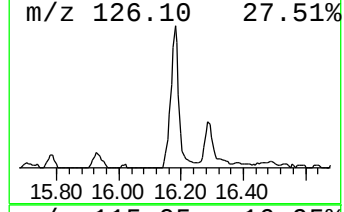
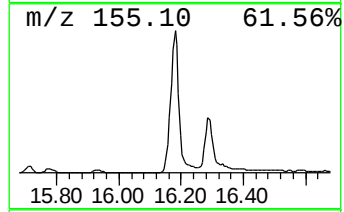
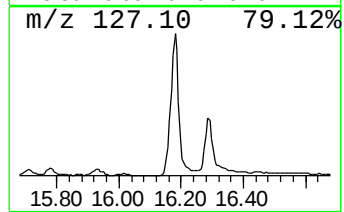
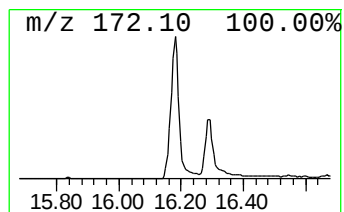
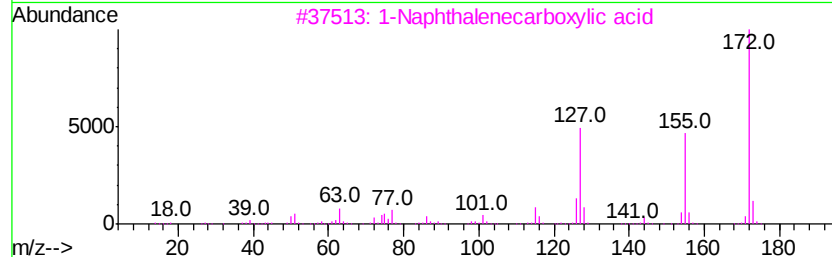
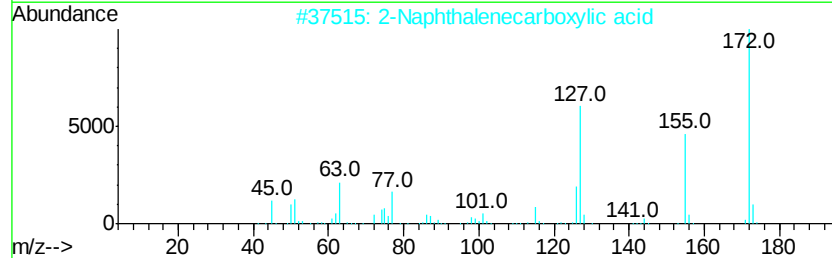
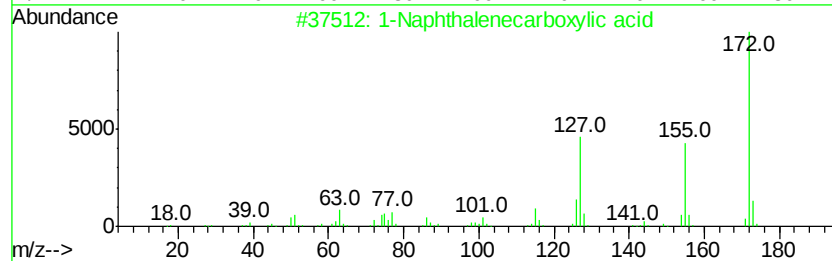
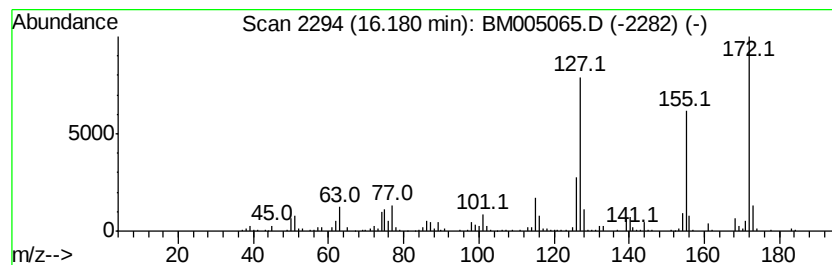
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1-Naphthalenecarboxylic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	29.78 ng/ul	828151	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	96
2		2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	95
3		1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	94
4		1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	93
5		2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005065.D
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Misc :
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ClientSampleId :
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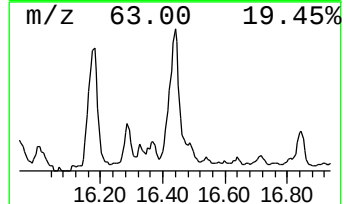
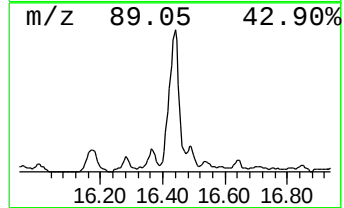
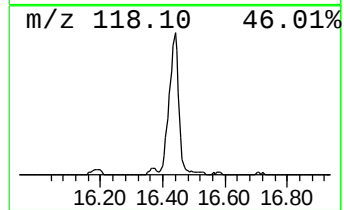
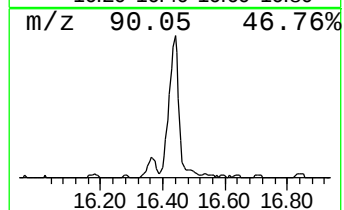
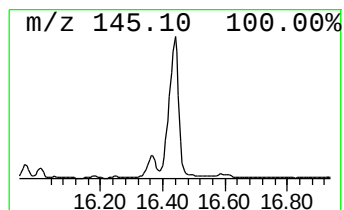
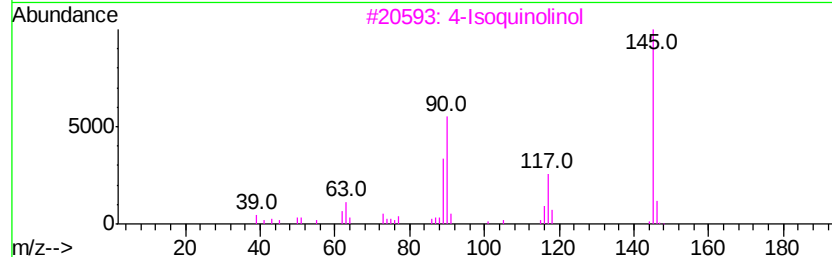
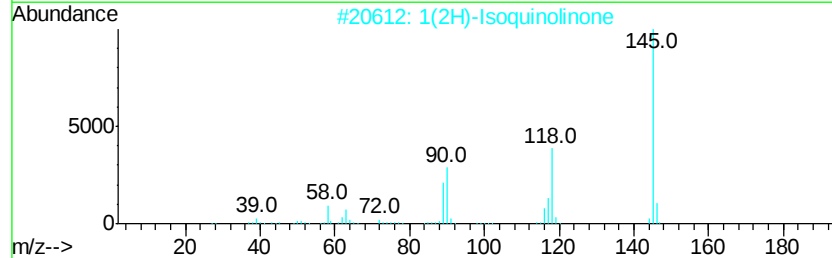
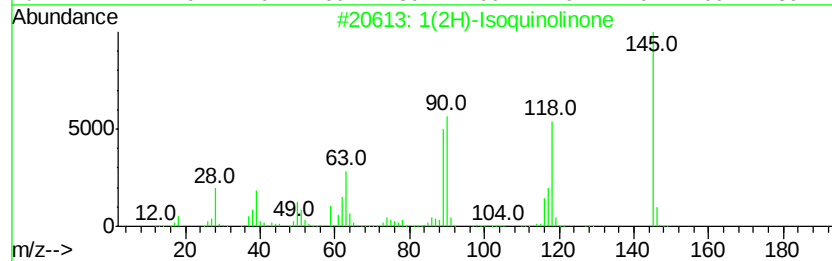
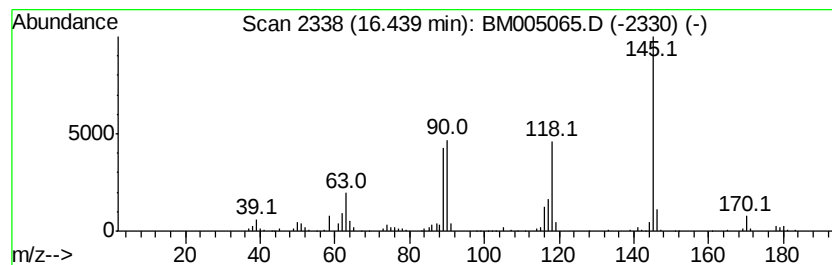
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1(2H)-Isoquinolinone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	15.73 ng/ul	437413	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	95
2		1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	93
3		4-Isoquinolinol	145	C9H7NO	003336-49-0	68
4		2(1H)-Quinolinone	145	C9H7NO	000059-31-4	62
5		Quinoline, 1-oxide	145	C9H7NO	001613-37-2	58



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005065.D
Acq On : 26 Apr 2016 03:08
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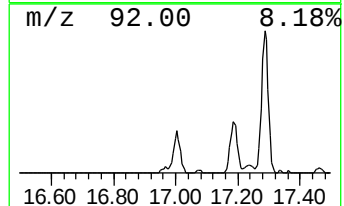
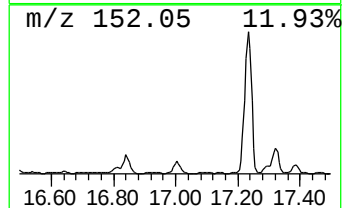
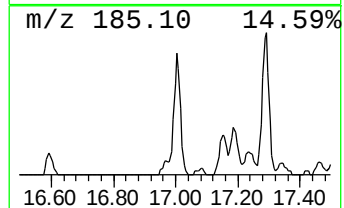
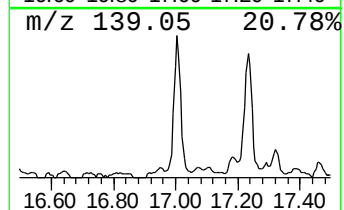
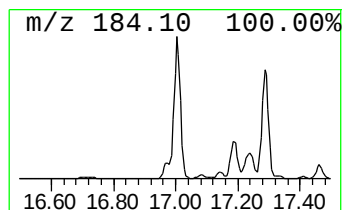
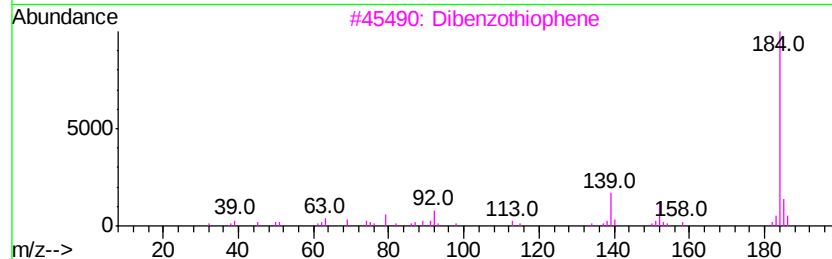
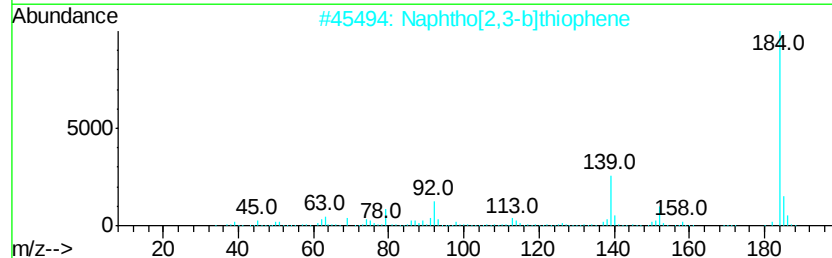
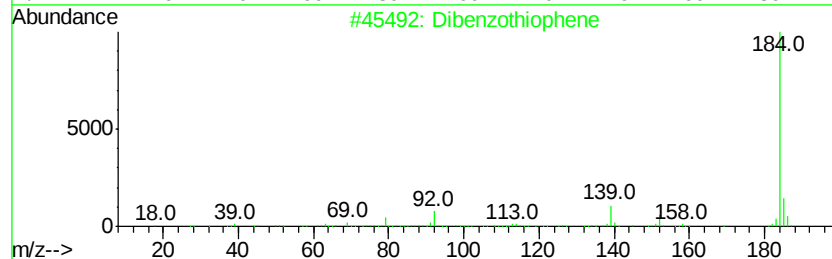
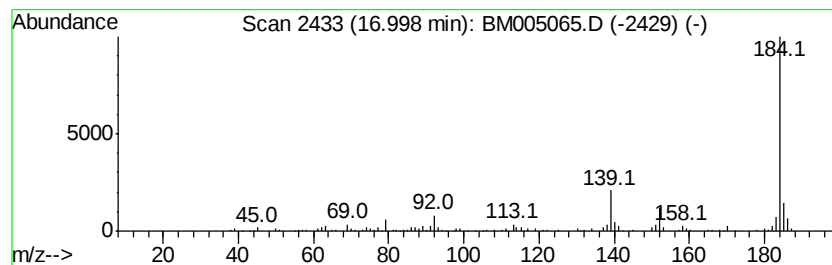
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	14.41 ng/ul	400815	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
3		Dibenzothiophene	184	C12H8S	000132-65-0	96
4		Dibenzothiophene	184	C12H8S	000132-65-0	95
5		Dibenzothiophene	184	C12H8S	000132-65-0	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
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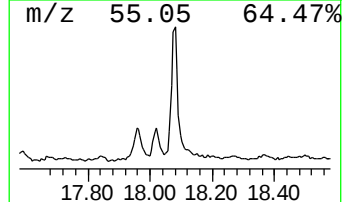
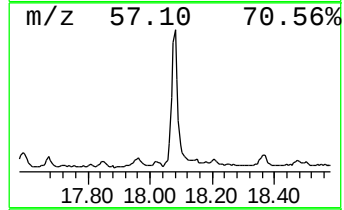
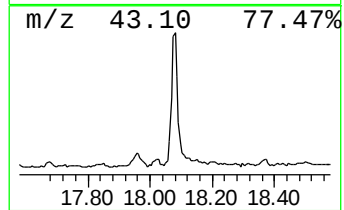
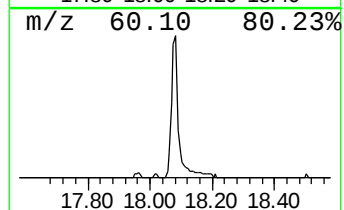
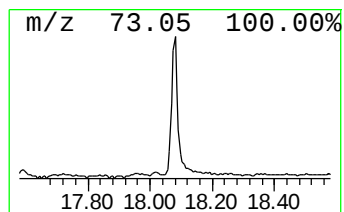
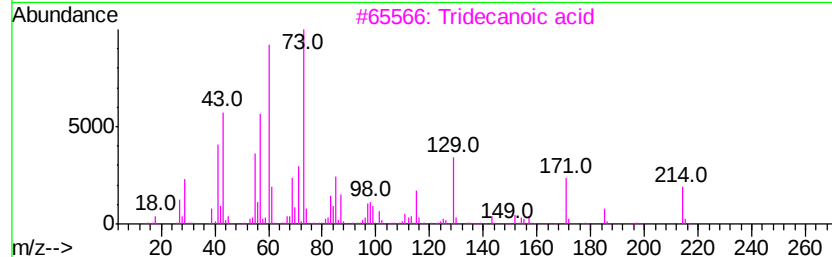
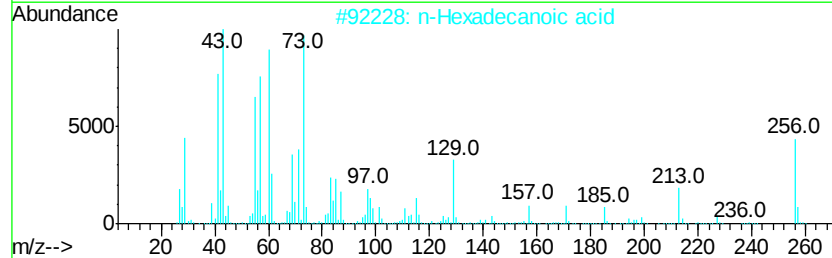
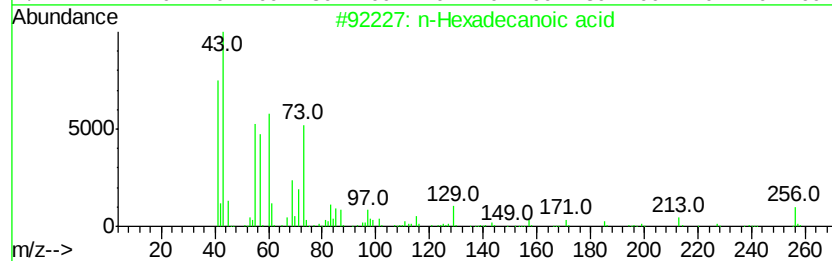
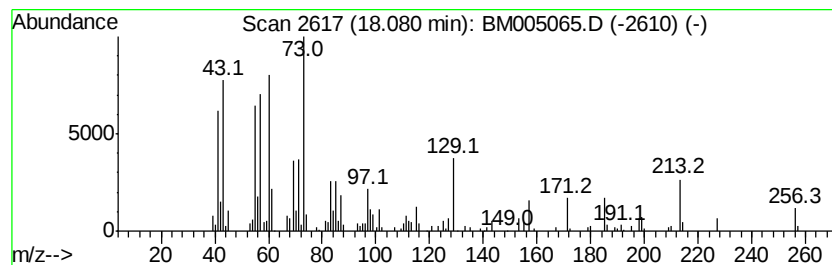
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	13.40 ng/ul	372742	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3		Tridecanoic acid	214	C13H26O2	000638-53-9	70
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62



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Data File : BM005065.D
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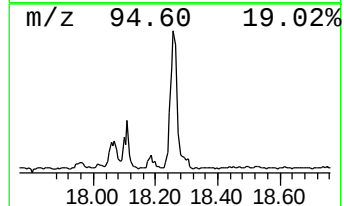
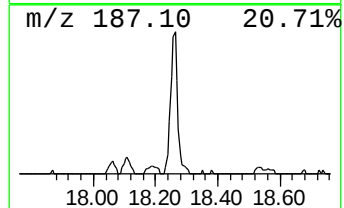
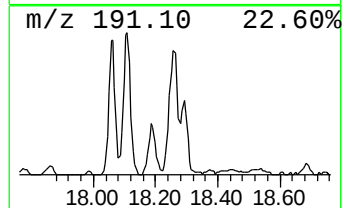
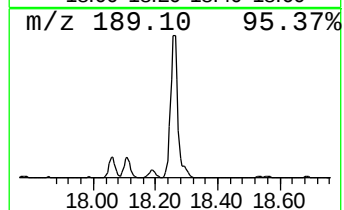
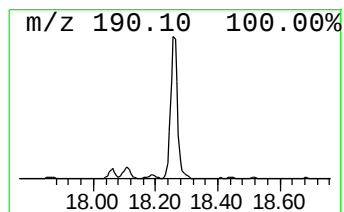
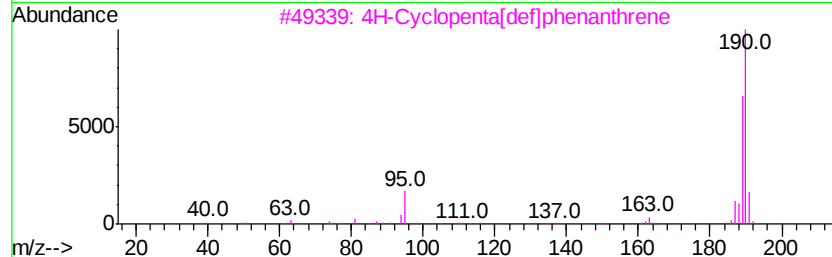
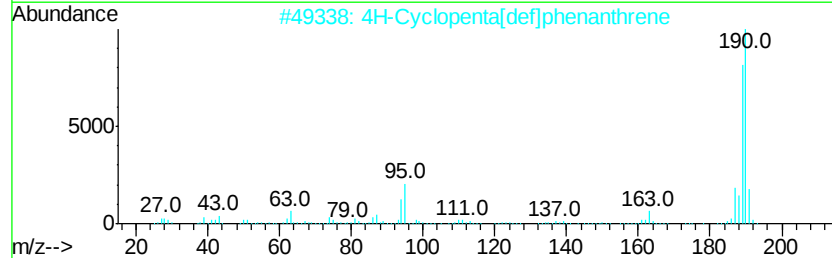
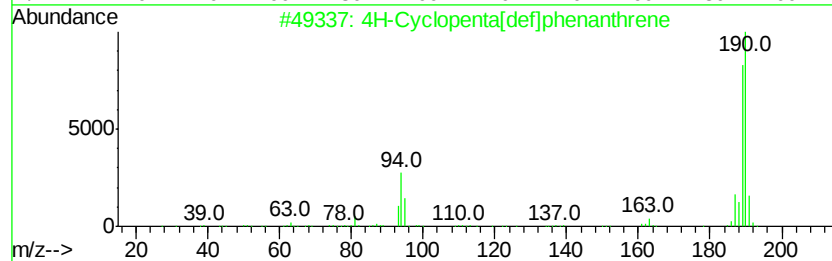
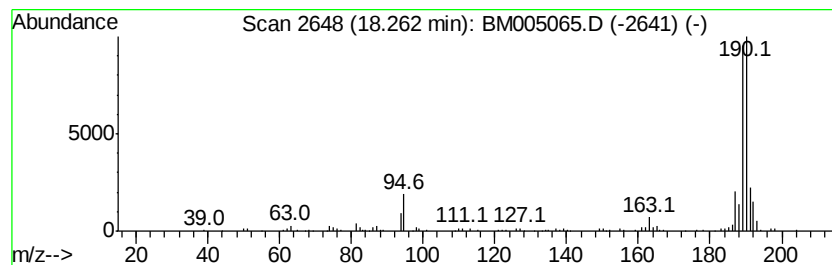
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	14.54 ng/ul	404272	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	72
5		Methyl diselenide	190	C2H6Se2	007101-31-7	49



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005065.D
Acq On : 26 Apr 2016 03:08
Operator : UM/SJ
Sample : H2584-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

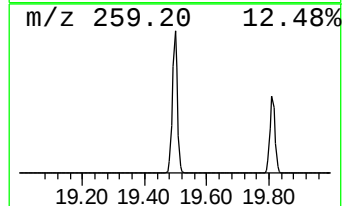
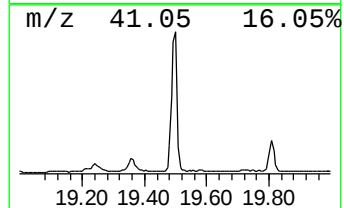
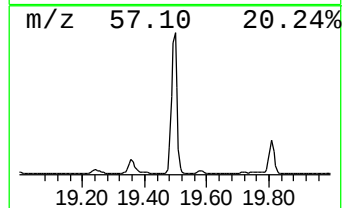
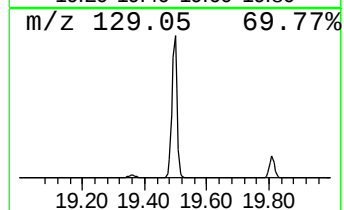
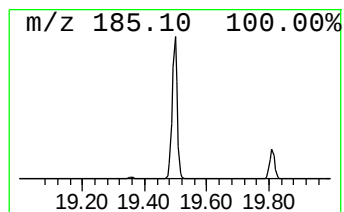
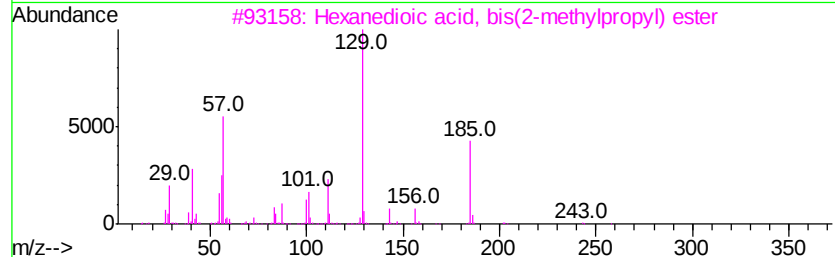
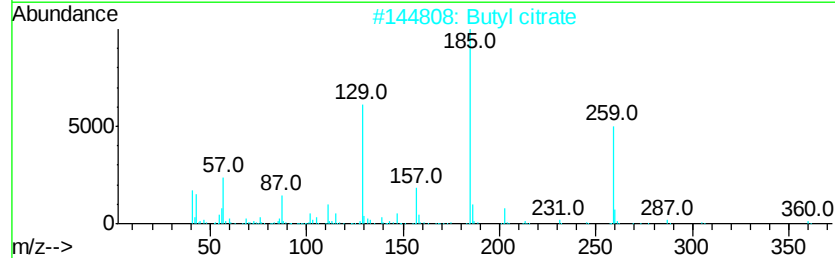
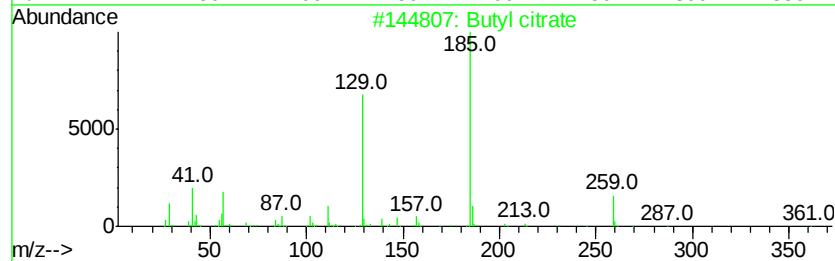
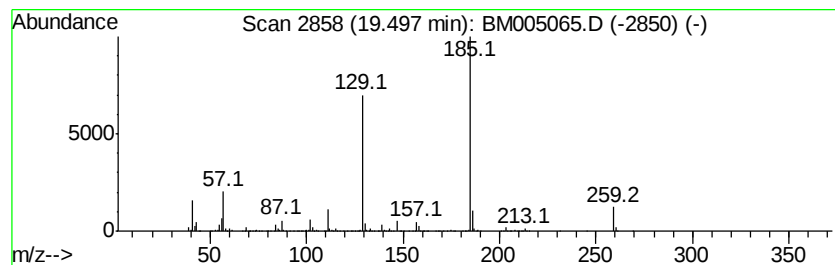
Instrument :
BNA_M
ClientSampleId :
BC7Q1

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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

Peak Number 13 Butyl citrate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	45.06 ng/ul	1744240	Chrysene-d12	21.37
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Butyl citrate	360	C18H32O7	000077-94-1 94
2	Butyl citrate	360	C18H32O7	000077-94-1 64
3	Hexanedioic acid, bis(2-methylpr...	258	C14H26O4	000141-04-8 56
4	Hexanedioic acid, bis(2-methylpr...	258	C14H26O4	000141-04-8 56
5	Hexanedioic acid, bis(2-methylpr...	258	C14H26O4	000141-04-8 56



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042516\
Data File : BM005065.D
Acq On : 26 Apr 2016 03:08
Operator : UM/SJ
Sample : H2584-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7Q1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.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
Benzene, 1-ethyl-...	6.89	6.0	ng/ul	451129	1	7.80	1517540	20.0
Indane	8.17	20.0	ng/ul	1517540	1	7.80	1517540	20.0
Indene	8.34	30.8	ng/ul	2338320	1	7.80	1517540	20.0
Naphthalene, 1,6-...	13.62	21.3	ng/ul	643095	3	14.44	603307	20.0
Naphthalene, 1,7-...	13.76	19.7	ng/ul	594049	3	14.44	603307	20.0
1-(2-Vinylphenyl)...	14.93	23.9	ng/ul	719705	3	14.44	603307	20.0
[1,1'-Biphenyl]-4...	15.93	12.9	ng/ul	358825	4	17.19	556167	20.0
1-Naphthalenecarb...	16.18	29.8	ng/ul	828151	4	17.19	556167	20.0
1(2H)-Isoquinolinone	16.44	15.7	ng/ul	437413	4	17.19	556167	20.0
Dibenzothiophene	17.00	14.4	ng/ul	400815	4	17.19	556167	20.0
n-Hexadecanoic acid	18.08	13.4	ng/ul	372742	4	17.19	556167	20.0
4H-Cyclopenta[def...	18.26	14.5	ng/ul	404272	4	17.19	556167	20.0
Butyl citrate	19.50	45.1	ng/ul	1744240	5	21.37	774261	20.0