

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
 Data File : BM005101.D
 Acq On : 27 Apr 2016 17:39
 Operator : UM/SJ
 Sample : H2584-09
 Misc :
 ALS Vial : 5 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	6.881	691	713	720	rBV2	148435	474088	1.42%	0.516%
2	7.134	750	756	762	rBV	258398	402460	1.21%	0.438%
3	7.334	784	790	799	rVB	281410	448331	1.35%	0.488%
4	7.522	816	822	832	rVB	218617	361647	1.09%	0.394%
5	7.798	863	869	875	rBV	284039	458752	1.38%	0.500%
6	8.169	925	932	940	rBV	996765	1633019	4.90%	1.779%
7	8.334	952	960	967	rBV	1517453	2553029	7.66%	2.781%
8	8.504	983	989	995	rBV	255528	438581	1.32%	0.478%
9	8.957	1060	1066	1076	rVV2	317999	612479	1.84%	0.667%
10	9.269	1105	1119	1126	rVV	247492	557932	1.67%	0.608%
11	9.681	1183	1189	1200	rVB	259979	467819	1.40%	0.510%
12	9.992	1238	1242	1253	rVB3	178628	525631	1.58%	0.573%
13	10.092	1253	1259	1264	rBV2	168786	354597	1.06%	0.386%
14	10.228	1274	1282	1291	rVB	341994	737704	2.21%	0.804%
15	10.722	1336	1366	1370	rBV	6124078	33328362	100.00%	36.307%
16	10.786	1370	1377	1383	rVB	1836228	2923287	8.77%	3.185%
17	11.422	1475	1485	1494	rVB	261774	564739	1.69%	0.615%
18	11.975	1573	1579	1587	rVB	245340	418244	1.25%	0.456%
19	12.257	1619	1627	1633	rBV	2373723	4138411	12.42%	4.508%
20	12.475	1653	1664	1674	rVB	1442639	2467230	7.40%	2.688%
21	13.269	1791	1799	1806	rBV	406777	674224	2.02%	0.734%
22	13.610	1843	1857	1865	rBV2	232446	662393	1.99%	0.722%
23	13.751	1874	1881	1887	rBV	340107	640416	1.92%	0.698%
24	13.845	1893	1897	1902	rVB	795144	1151654	3.46%	1.255%
25	14.127	1940	1945	1956	rVB2	880149	1841627	5.53%	2.006%
26	14.439	1987	1998	2003	rBV3	630729	1174896	3.53%	1.280%
27	14.504	2003	2009	2015	rVB	1834802	2833764	8.50%	3.087%
28	14.839	2059	2066	2070	rVV	1295749	2151037	6.45%	2.343%
29	14.868	2070	2071	2076	rVV	422408	421185	1.26%	0.459%
30	14.927	2076	2081	2093	rVB	480990	761370	2.28%	0.829%
31	15.433	2162	2167	2171	rVV	1161728	1792730	5.38%	1.953%
32	15.492	2171	2177	2183	rVB	1560717	2385254	7.16%	2.598%
33	15.557	2183	2188	2194	rBV	366148	579660	1.74%	0.631%
34	15.927	2247	2251	2259	rVV	163928	350300	1.05%	0.382%

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35	16.168	2282	2292	2302	rBV2	338991	711321	2.13%	0.775%
36	16.427	2329	2336	2340	rBV	178928	348650	1.05%	0.380%
37	17.004	2429	2434	2443	rVB2	240577	390254	1.17%	0.425%
38	17.186	2459	2465	2468	rBV	781077	1175012	3.53%	1.280%
39	17.227	2468	2472	2477	rVV	2083633	3224012	9.67%	3.512%
40	17.286	2477	2482	2486	rVV	1402030	2267228	6.80%	2.470%
41	17.315	2486	2487	2493	rVV	472657	491071	1.47%	0.535%
42	17.592	2528	2534	2545	rVB	946895	1434542	4.30%	1.563%
43	18.257	2640	2647	2651	rBV	240158	400452	1.20%	0.436%
44	19.245	2802	2815	2822	rBV	602439	968752	2.91%	1.055%
45	19.498	2850	2858	2864	rVB	1473247	1875518	5.63%	2.043%
46	19.580	2866	2872	2886	rBV2	1614348	2720263	8.16%	2.963%
47	19.809	2904	2911	2916	rVB	365955	430993	1.29%	0.470%
48	21.374	3170	3177	3182	rBV	1048400	1421914	4.27%	1.549%
49	23.515	3534	3541	3555	rVB2	850230	1616099	4.85%	1.761%
50	23.662	3558	3566	3580	rVB2	518300	1032924	3.10%	1.125%

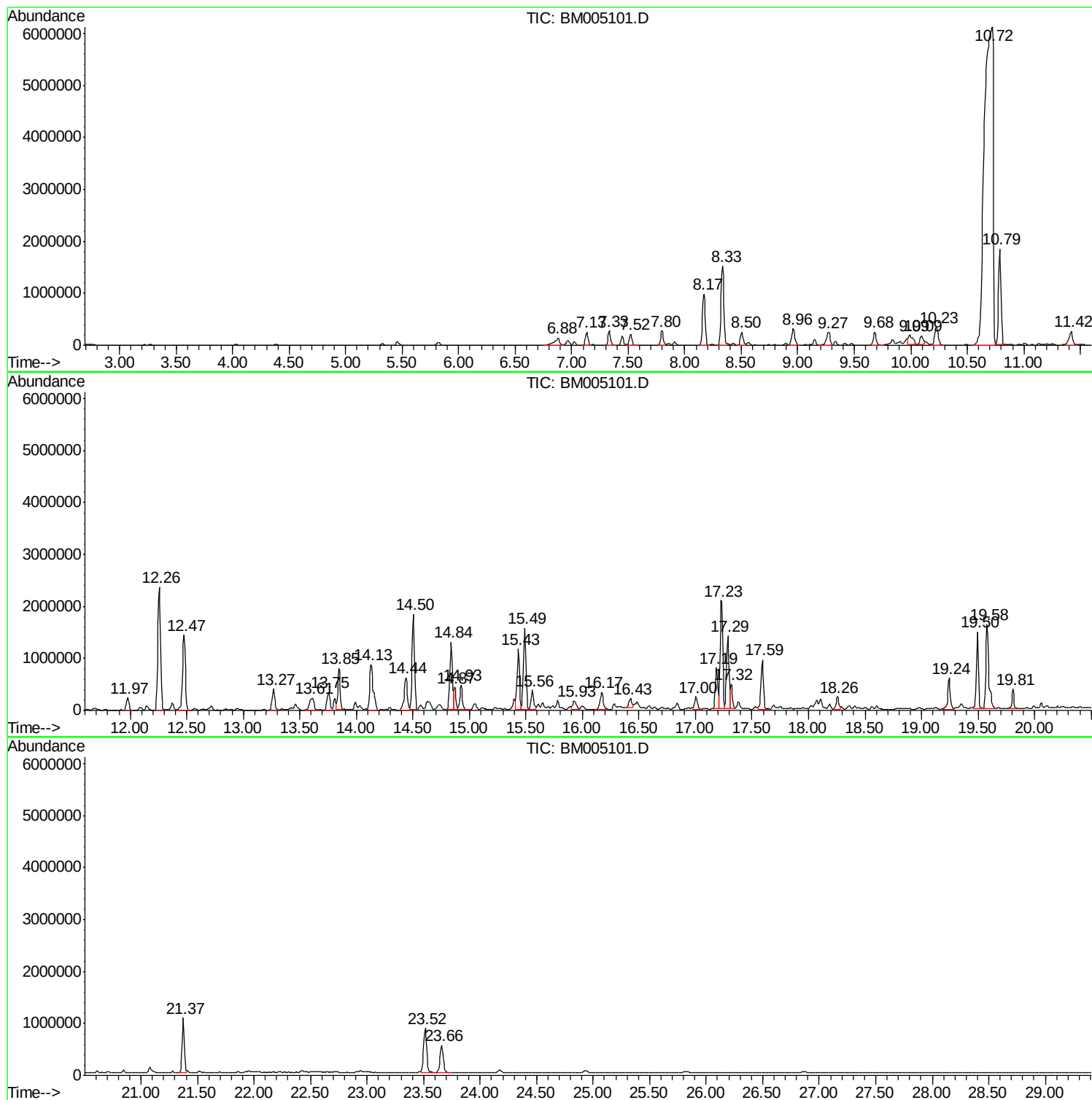
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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



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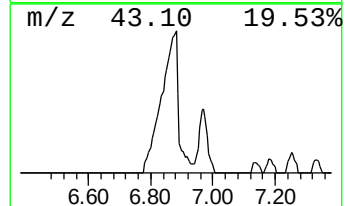
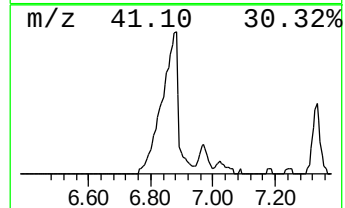
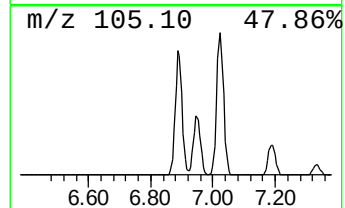
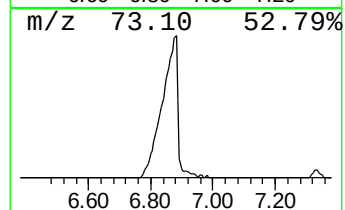
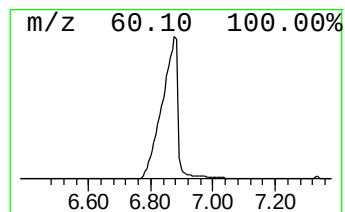
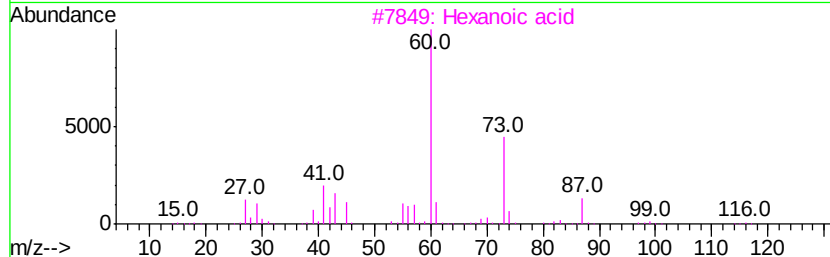
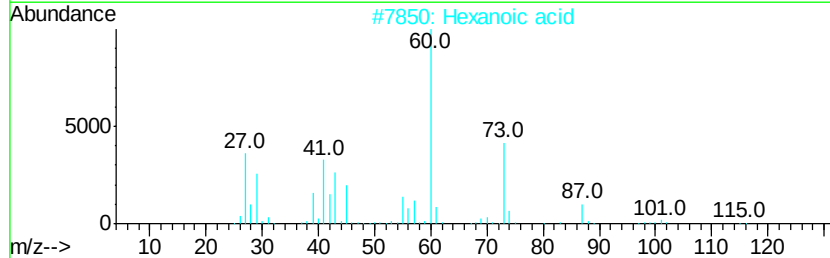
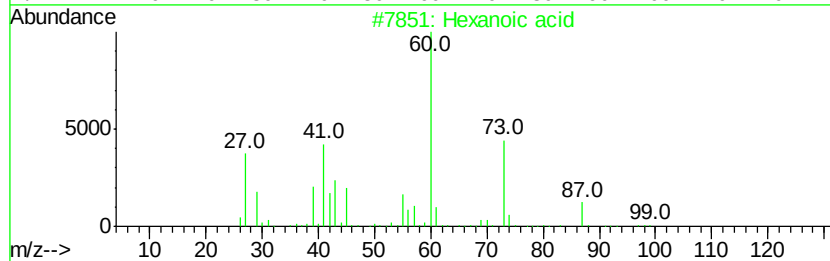
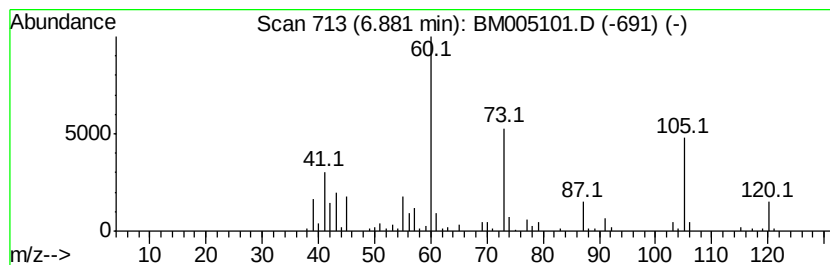
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Hexanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	20.67 ng/ul	474088	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid	116	C6H12O2	000142-62-1	80
2		Hexanoic acid	116	C6H12O2	000142-62-1	72
3		Hexanoic acid	116	C6H12O2	000142-62-1	64
4		Pentanoic acid	102	C5H10O2	000109-52-4	59
5		Pentanoic acid	102	C5H10O2	000109-52-4	53



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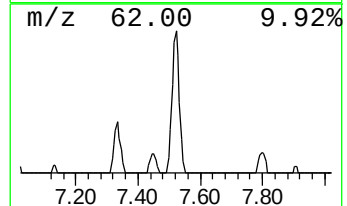
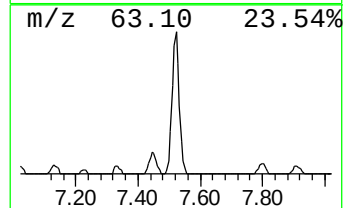
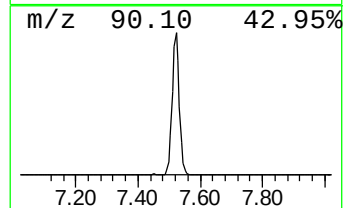
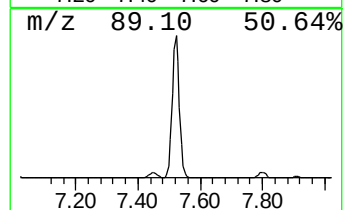
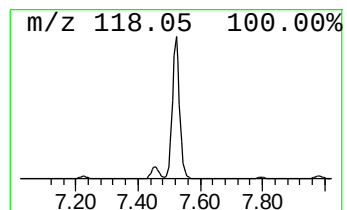
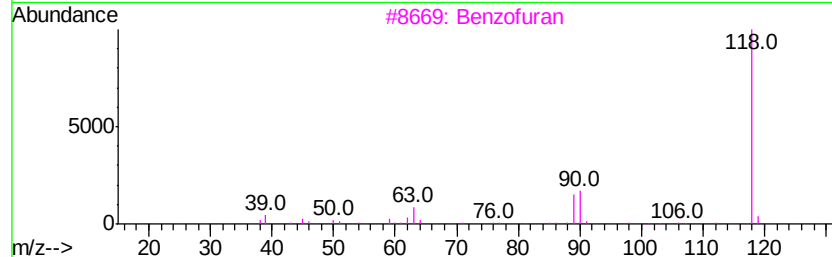
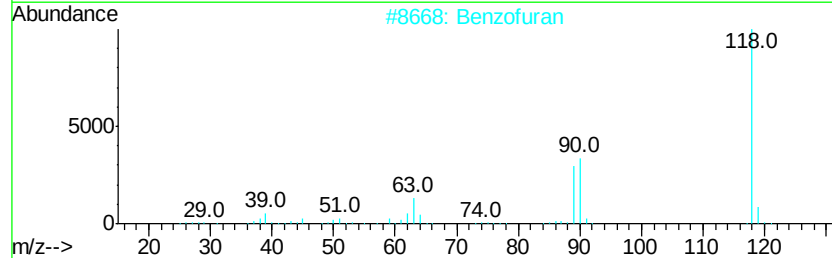
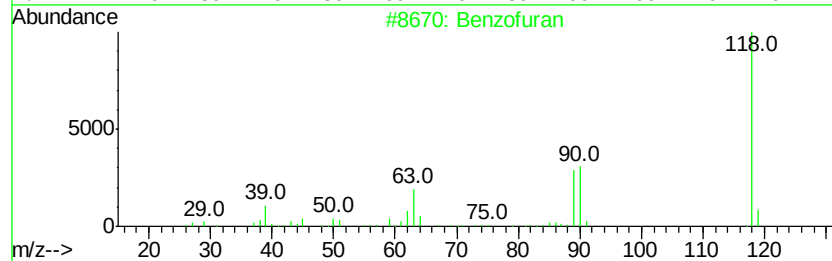
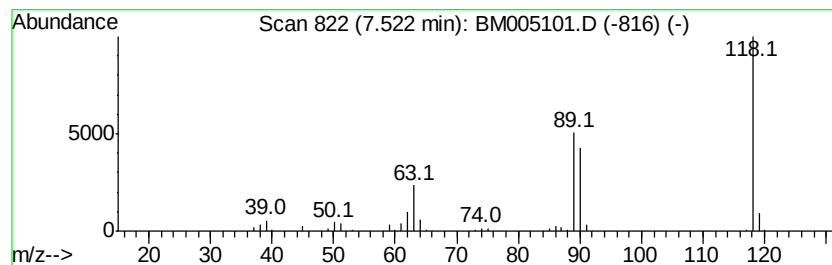
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 Benzofuran Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.52	15.77 ng/ul	361647	1,4-Dichlorobenzene-d4	7.80	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzofuran	118	C8H6O	000271-89-6	87
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87
5	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	42



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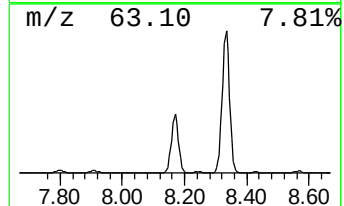
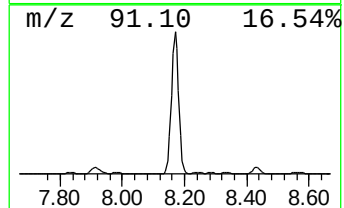
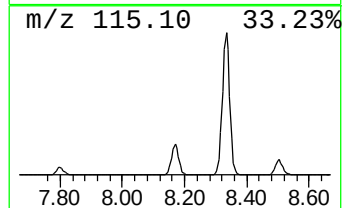
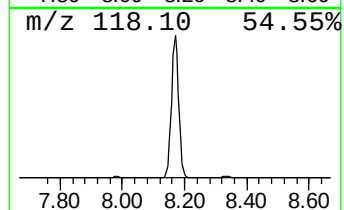
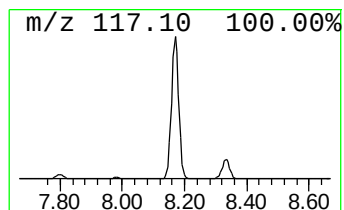
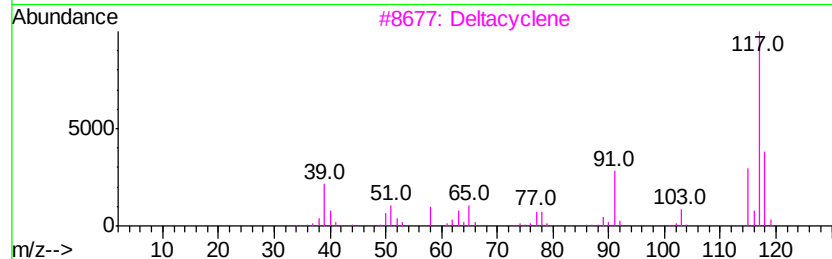
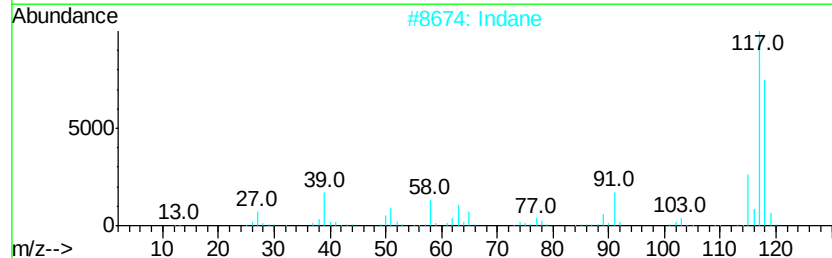
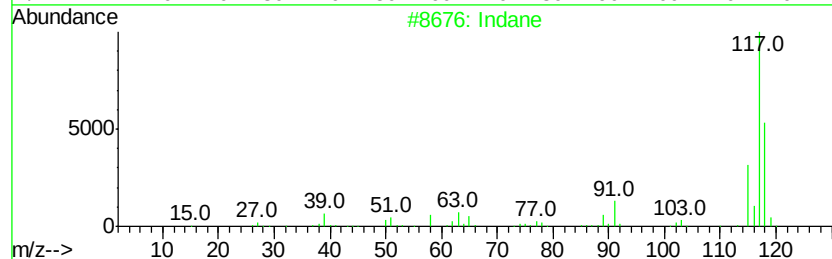
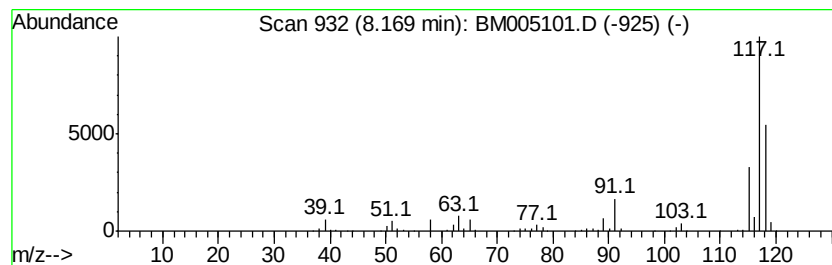
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	71.19 ng/ul	1633020	1,4-Dichlorobenzene-d4	7.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	93
2	Indane		118	C9H10	000496-11-7	91
3	Deltacyclene		118	C9H10	007785-10-6	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	...	118	C9H10	1000191-13-7	72
5	Benzene, 2-propenyl-		118	C9H10	000300-57-2	60



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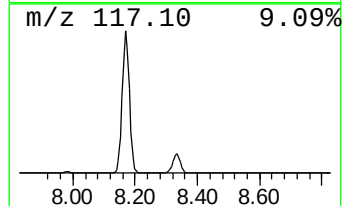
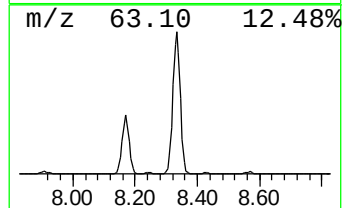
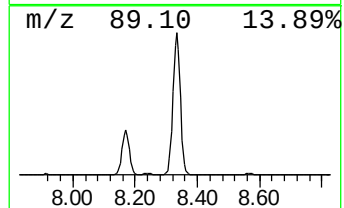
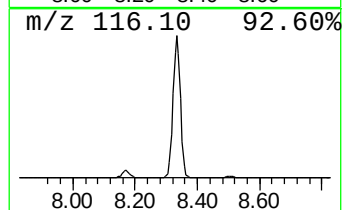
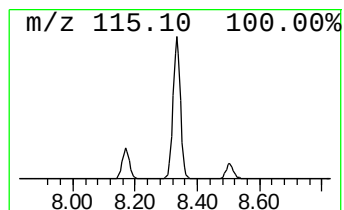
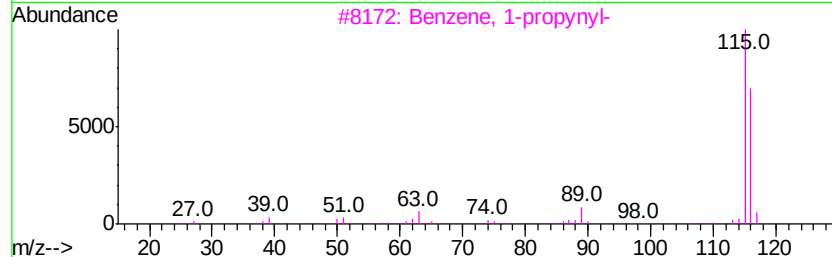
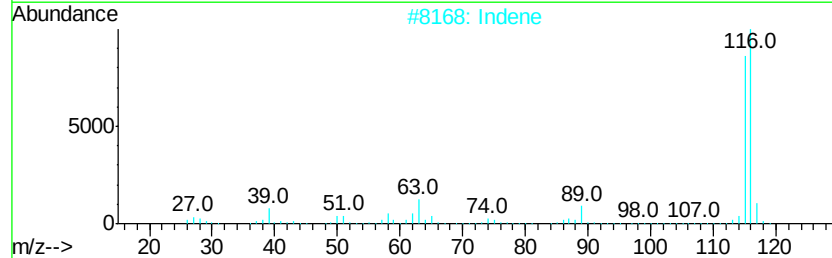
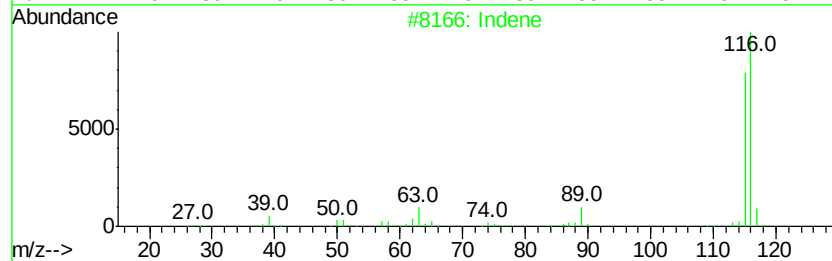
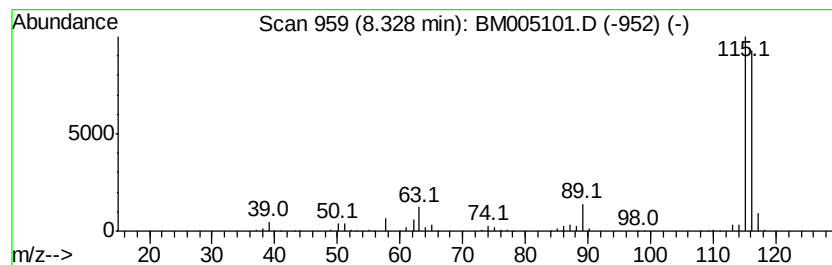
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Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	111.30 ng/ul	2553030	1,4-Dichlorobenzene-d4	7.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	97
2	Indene		116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-		116	C9H8	000673-32-5	95
4	Indene		116	C9H8	000095-13-6	94
5	Benzene, 1-ethynyl-4-methyl-		116	C9H8	000766-97-2	91



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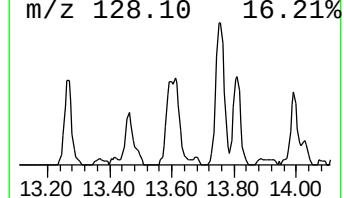
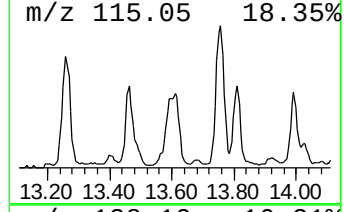
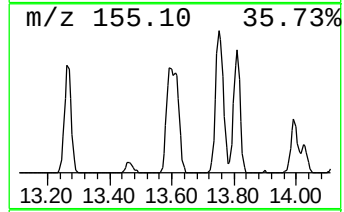
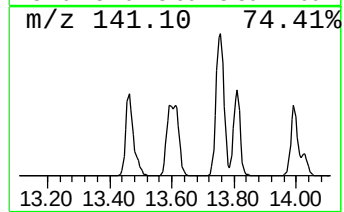
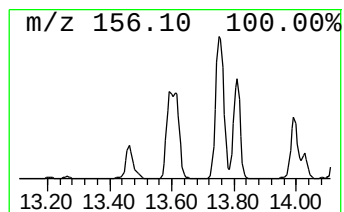
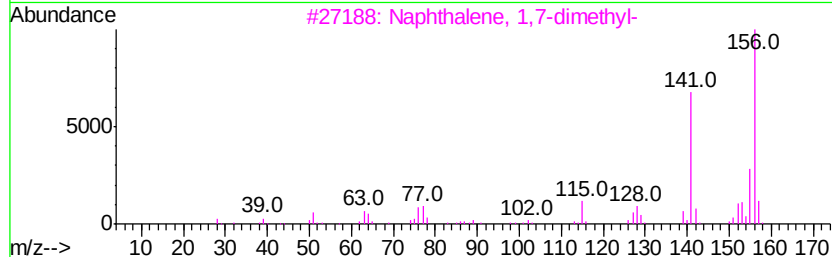
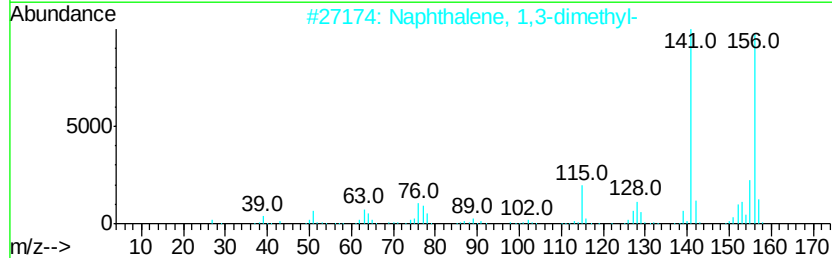
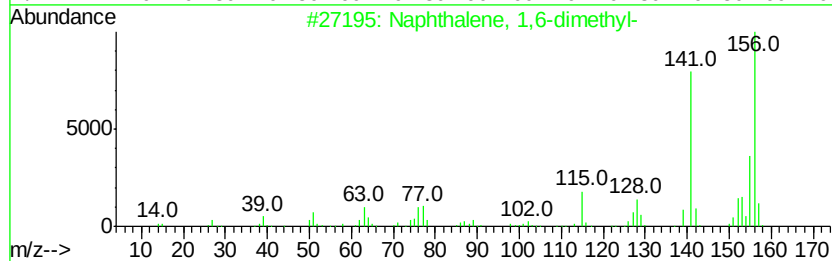
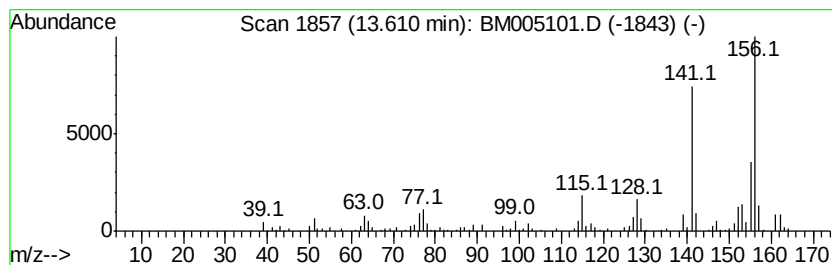
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	11.28 ng/ul	662393	Acenaphthene-d10	14.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005101.D
Acq On : 27 Apr 2016 17:39
Operator : UM/SJ
Sample : H2584-09
Misc :
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Instrument :
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ClientSampleId :
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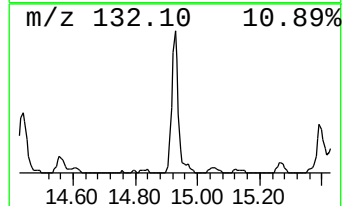
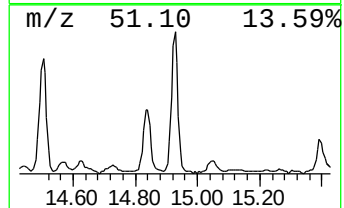
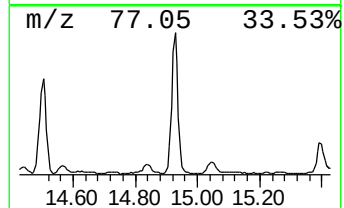
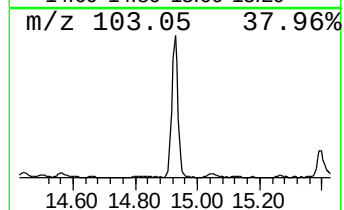
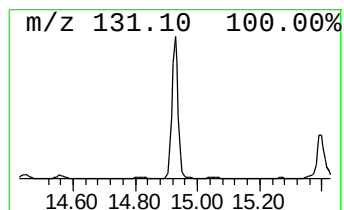
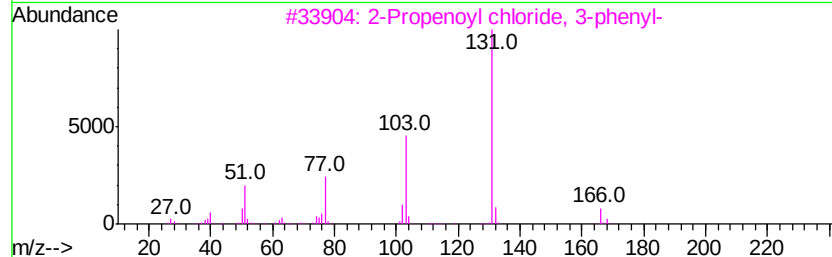
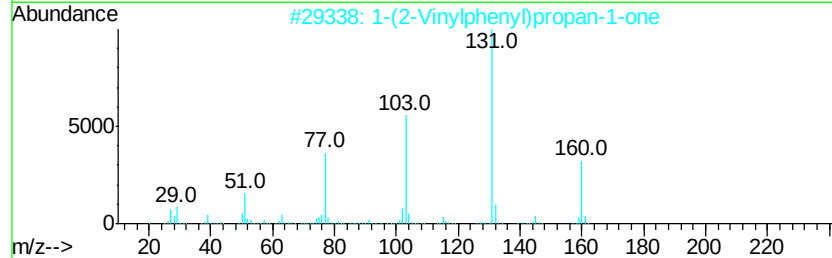
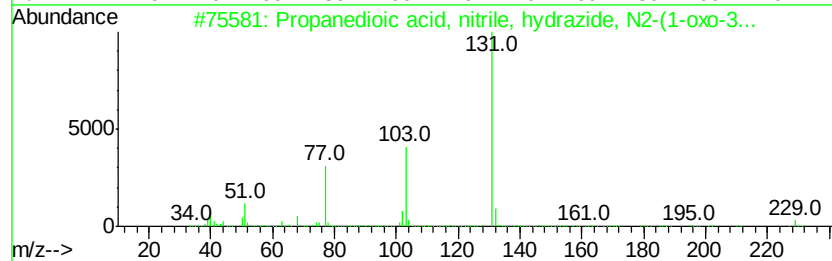
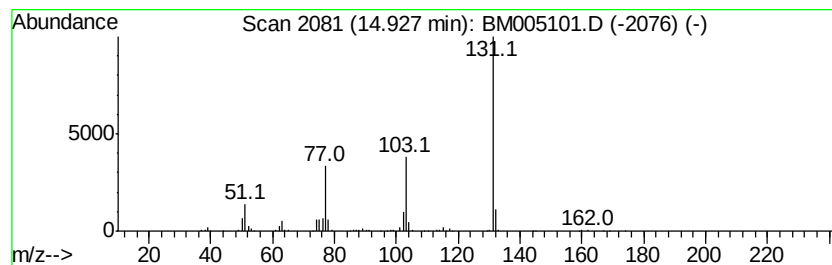
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Propanedioic acid, nitrile,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	12.96 ng/ul	761370	Acenaphthene-d10	14.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	86
2		1-(2-Vinylphenyl)propan-1-one	160	C11H12O	052095-41-7	83
3		2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	83
4		1-Penten-3-one, 4-methyl-1-phenyl-	174	C12H14O	003160-32-5	83
5		p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005101.D
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Sample : H2584-09
Misc :
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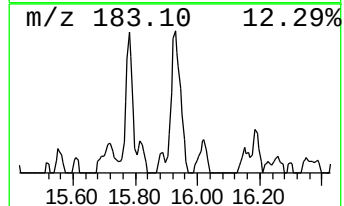
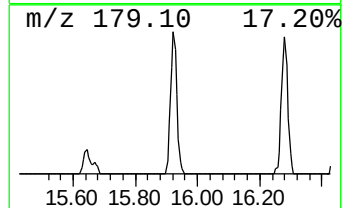
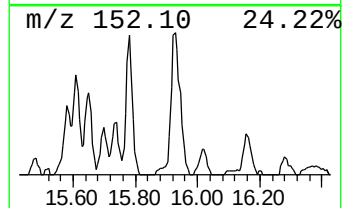
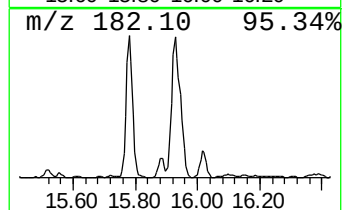
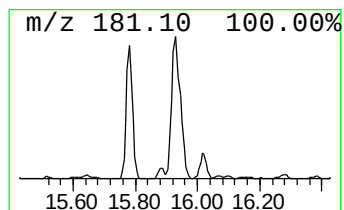
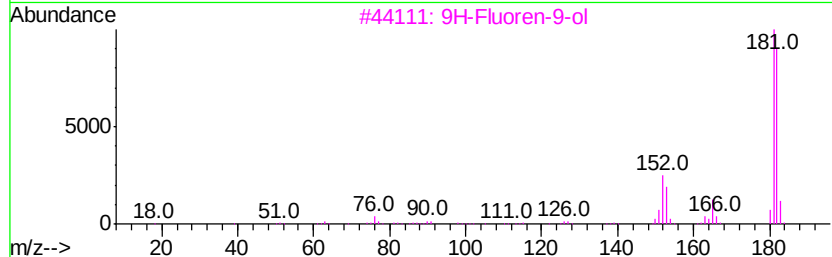
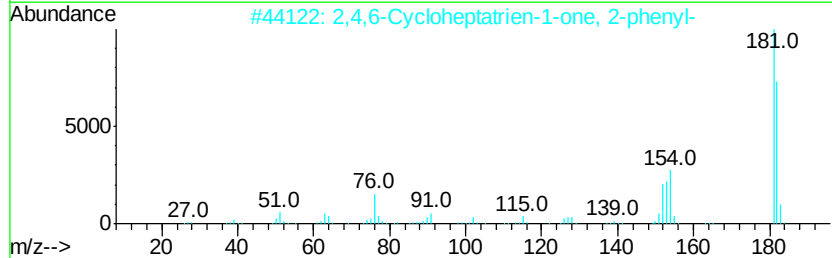
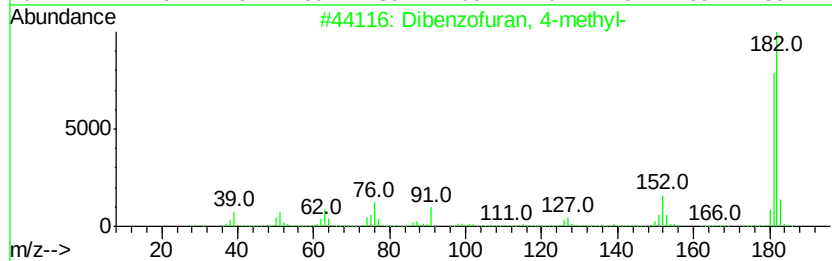
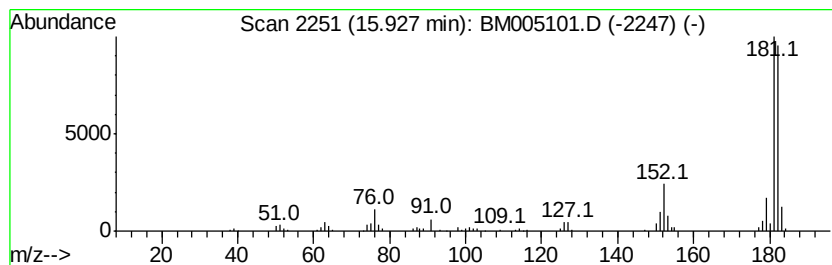
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.93	5.96 ng/ul	350300	Phenanthrene-d10	17.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	74
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	60



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005101.D
Acq On : 27 Apr 2016 17:39
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Sample : H2584-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

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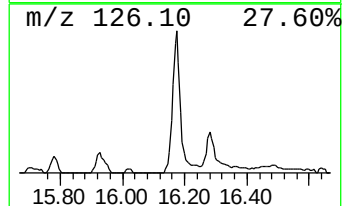
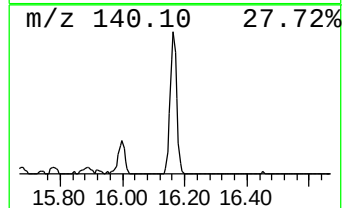
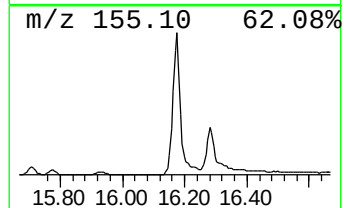
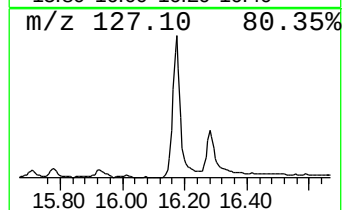
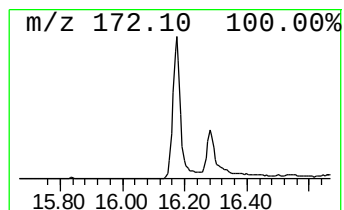
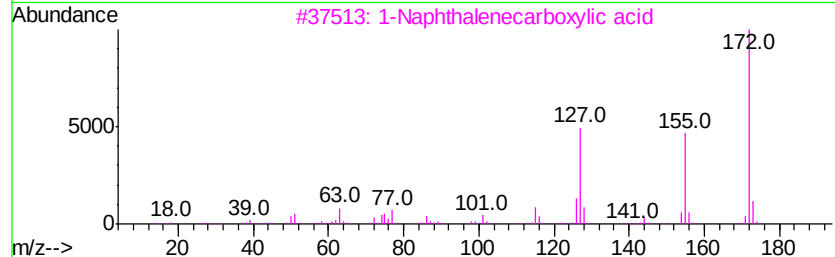
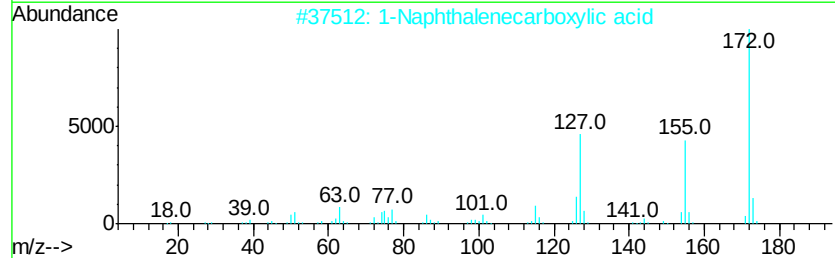
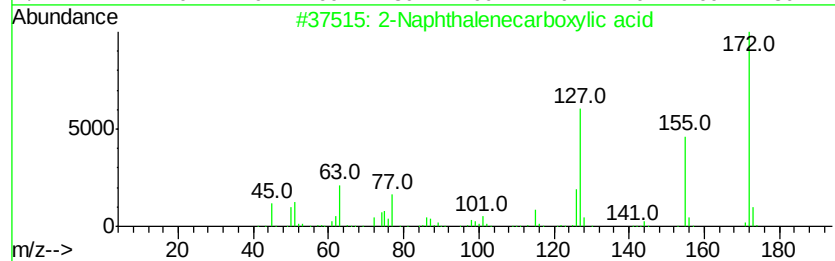
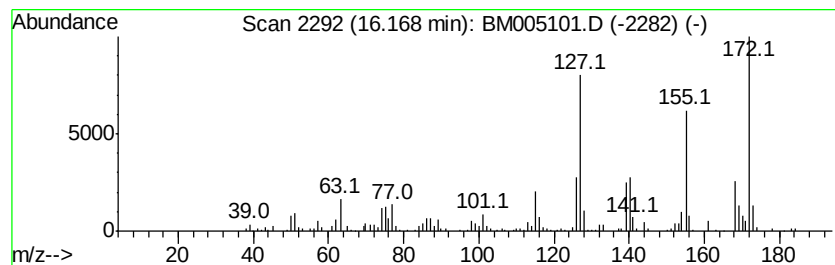
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 2-Naphthalenecarboxylic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	12.11 ng/ul	711321	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	95
2		1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	95
3		1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	93
4		1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	93
5		2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	86



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
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Acq On : 27 Apr 2016 17:39
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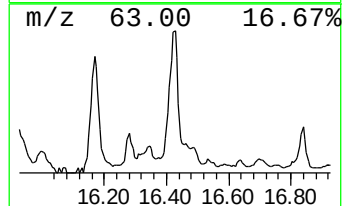
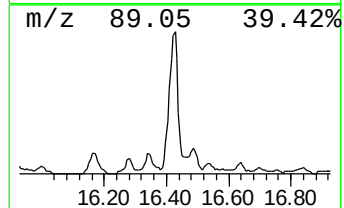
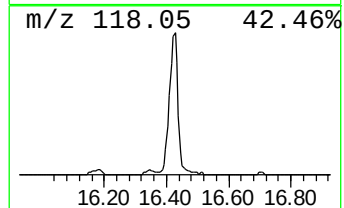
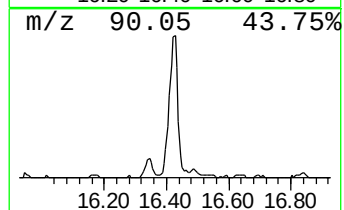
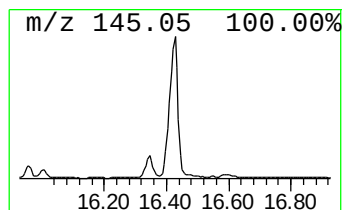
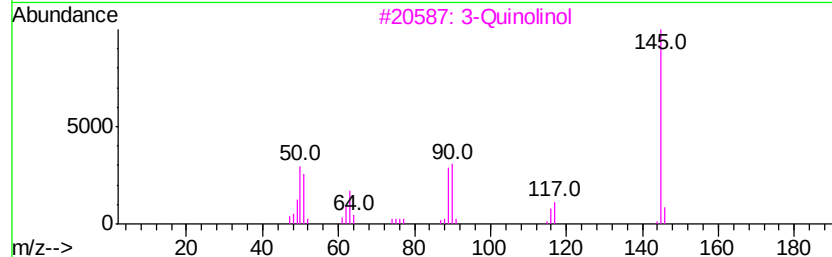
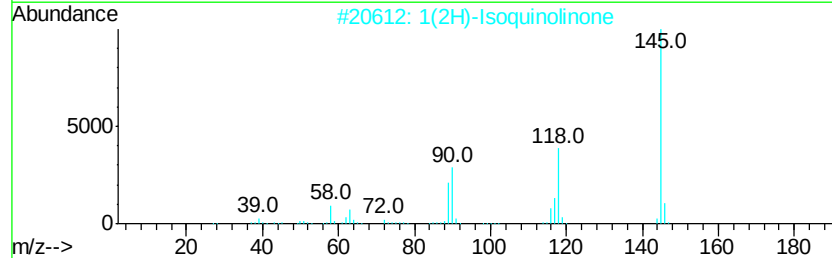
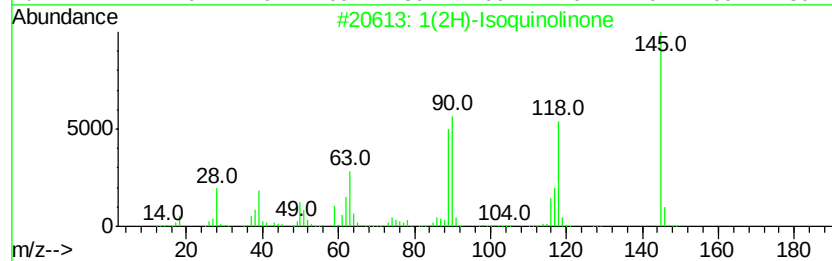
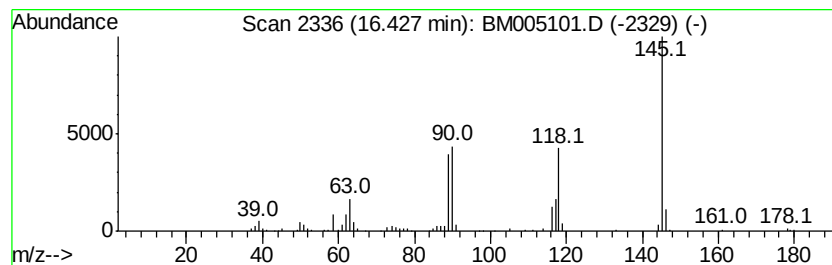
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1(2H)-Isoquinolinone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	5.93 ng/ul	348650	Phenanthrene-d10	17.19
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1(2H)-Isoquinolinone	145 C9H7NO	000491-30-5 95
2		1(2H)-Isoquinolinone	145 C9H7NO	000491-30-5 94
3		3-Quinolinol	145 C9H7NO	000580-18-7 81
4		Isoquinoline, 2-oxide	145 C9H7NO	001532-72-5 78
5		2(1H)-Quinolinone	145 C9H7NO	000059-31-4 64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
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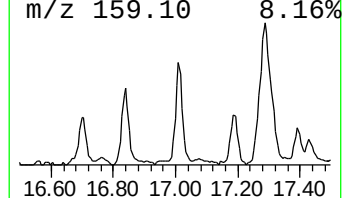
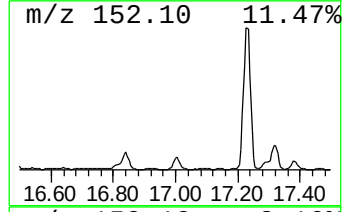
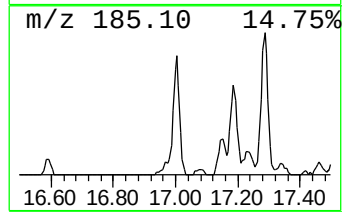
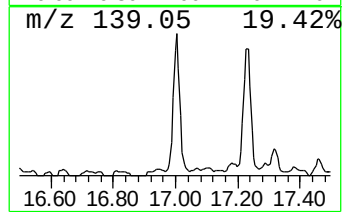
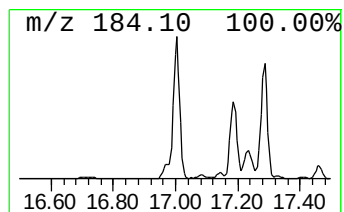
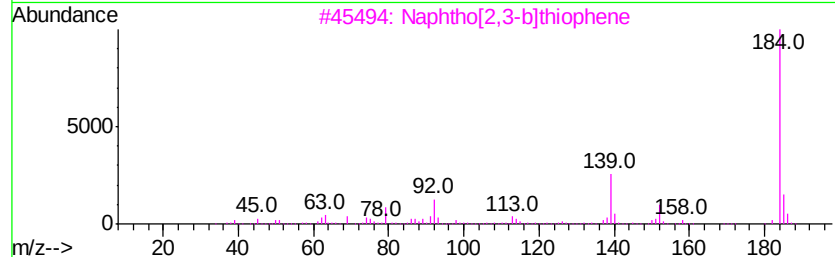
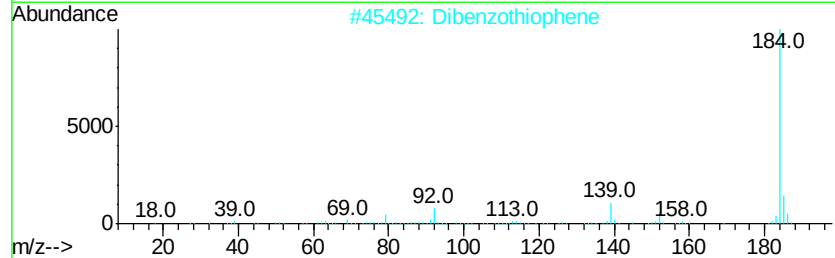
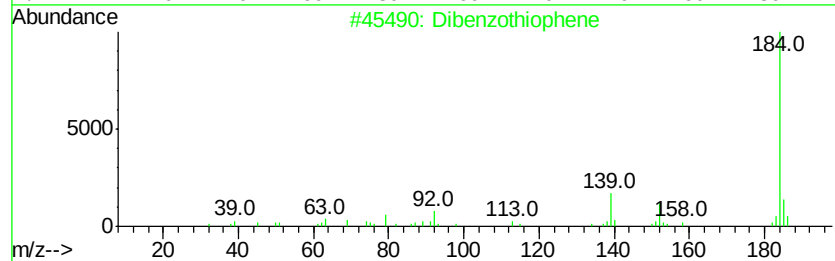
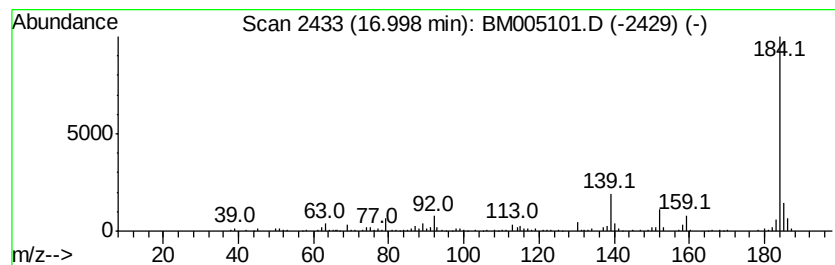
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	6.64 ng/ul	390254	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	93
5		Dibenzothiophene	184	C12H8S	000132-65-0	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005101.D
Acq On : 27 Apr 2016 17:39
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Sample : H2584-09
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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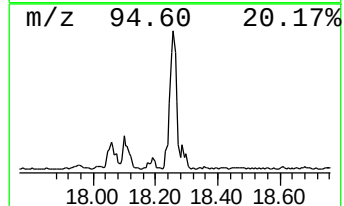
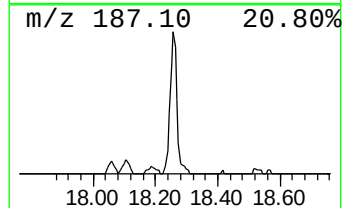
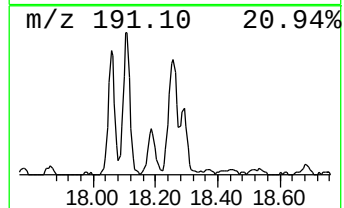
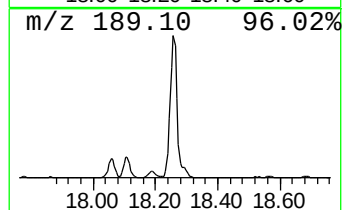
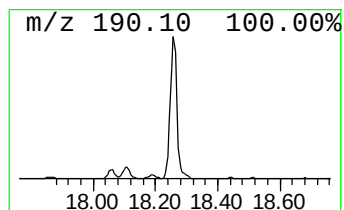
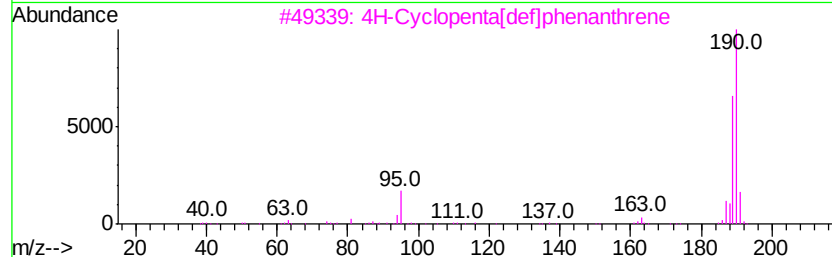
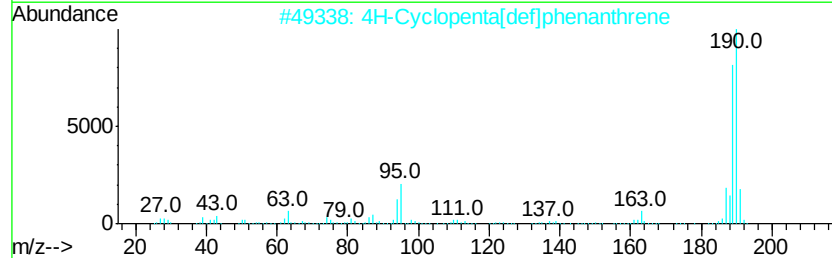
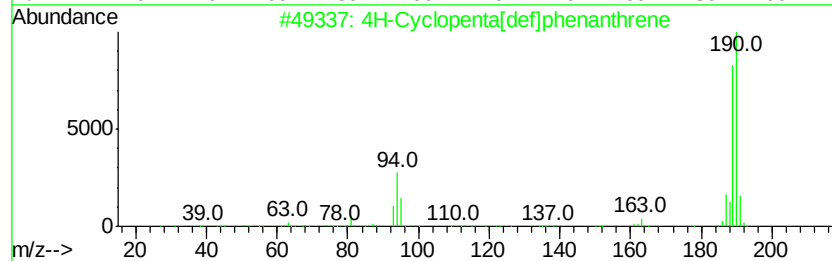
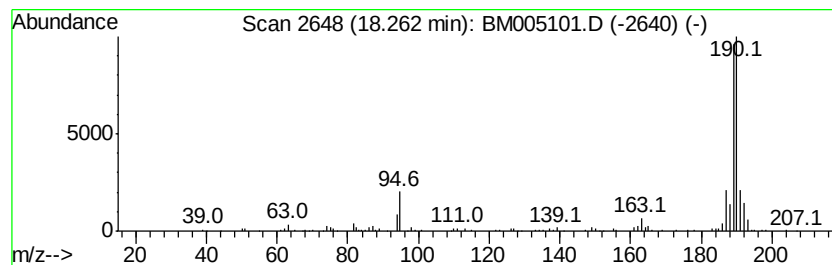
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	6.82 ng/ul	400452	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	72
4		Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
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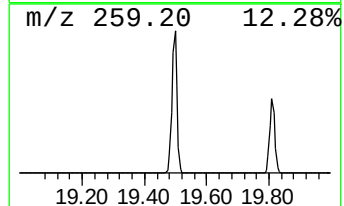
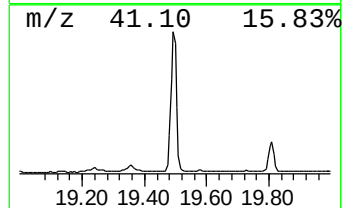
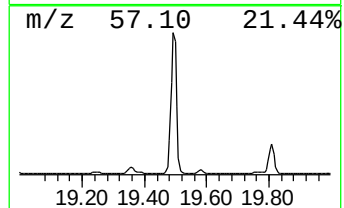
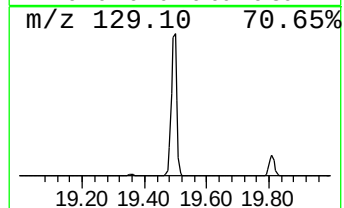
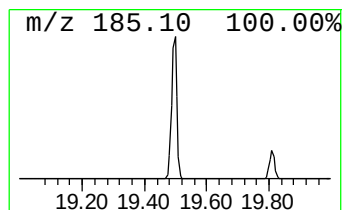
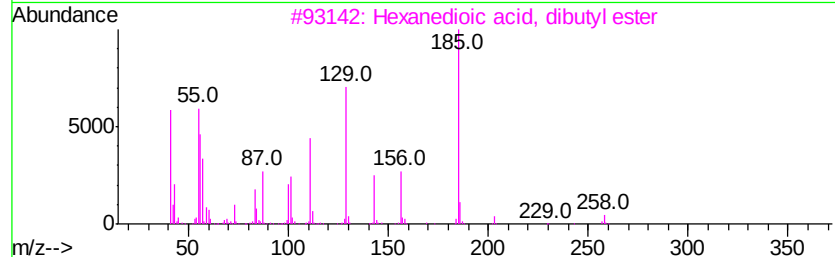
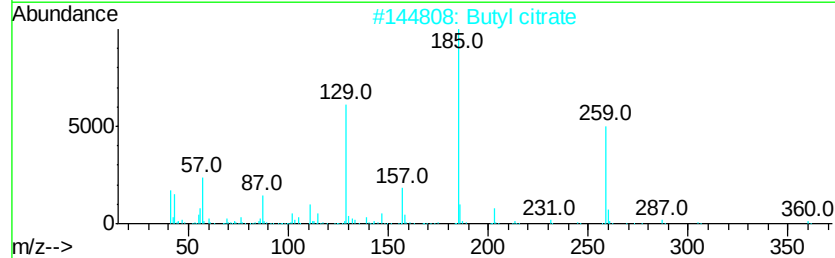
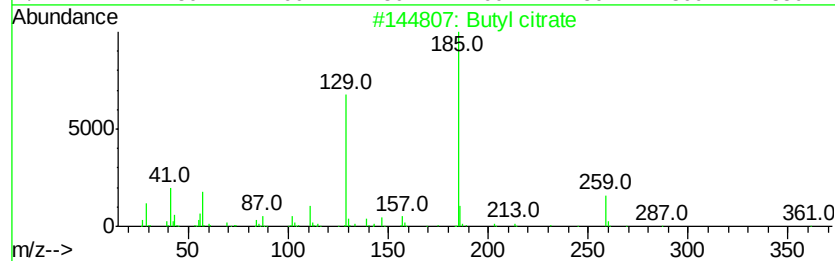
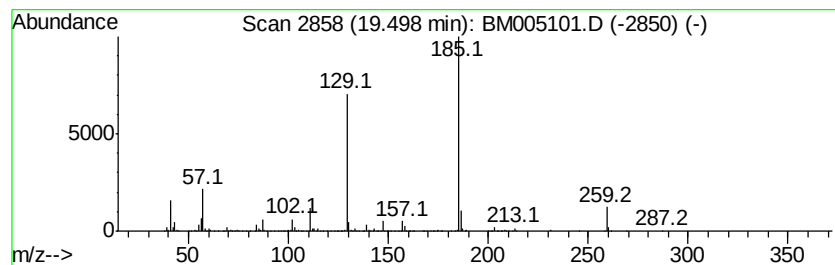
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ClientSampleId :
BC7Q1

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 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	26.38 ng/ul	1875520	Chrysene-d12	21.37
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Butyl citrate	360 C18H32O7	000077-94-1	91
2	Butyl citrate	360 C18H32O7	000077-94-1	78
3	Hexanedioic acid, dibutyl ester	258 C14H26O4	000105-99-7	50
4	2-Bromo-3-methylaniline	185 C7H8BrN	1000289-33-5	38
5	5-Hydroxy-4-nitroguaiacol	185 C7H7NO5	100960-04-1	28



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005101.D
Acq On : 27 Apr 2016 17:39
Operator : UM/SJ
Sample : H2584-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7Q1

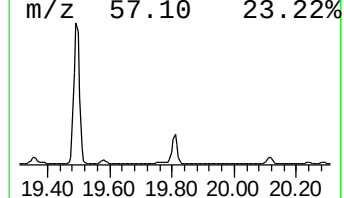
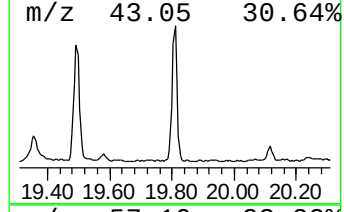
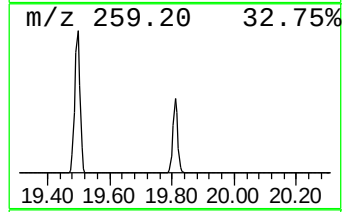
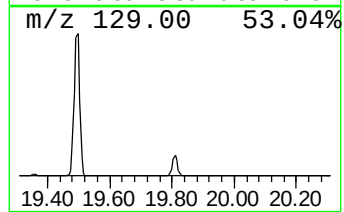
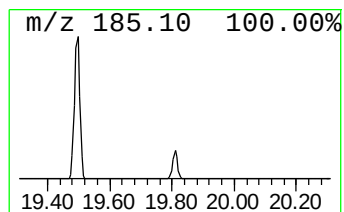
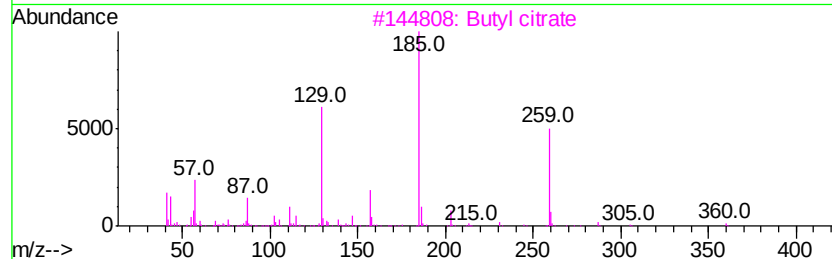
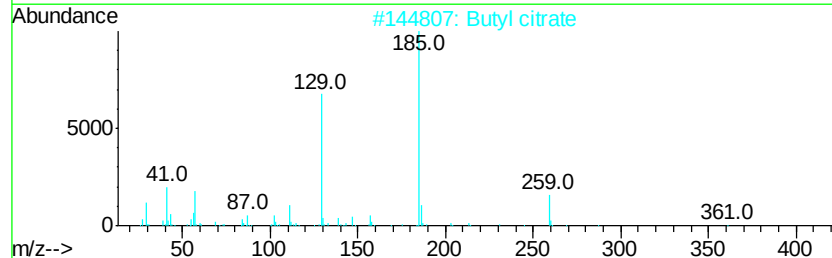
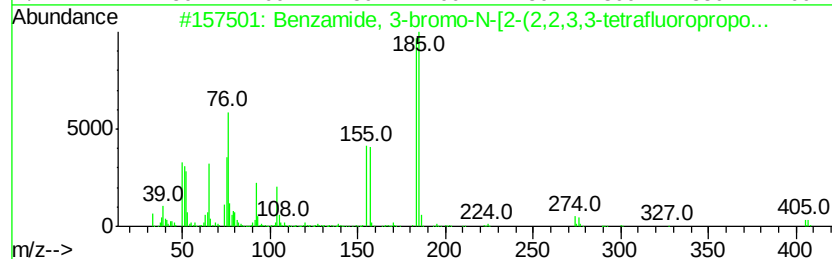
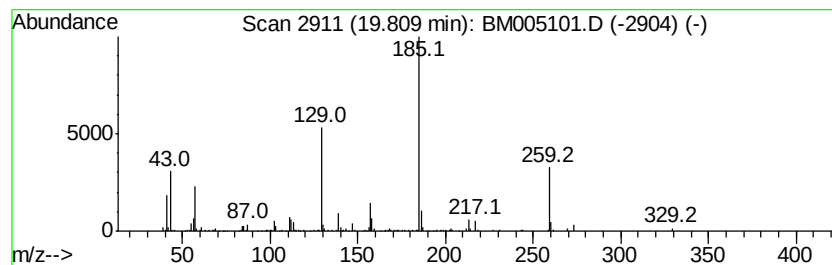
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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

Peak Number 14 Benzamide, 3-bromo-N-[2-(2,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	6.06 ng/ul	430993	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzamide, 3-bromo-N-[2-(2,2,3,3...	405	C16H12BrF4N02	1000258-48-8	90
2		Butyl citrate	360	C18H32O7	000077-94-1	72
3		Butyl citrate	360	C18H32O7	000077-94-1	52
4		Tributyl acetylcitrate	402	C20H34O8	000077-90-7	52
5		Hexanedioic acid, dibutyl ester	258	C14H26O4	000105-99-7	42



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042716\
 Data File : BM005101.D
 Acq On : 27 Apr 2016 17:39
 Operator : UM/SJ
 Sample : H2584-09
 Misc :
 ALS Vial : 5 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
Hexanoic acid	6.88	20.7	ng/ul	474088	1	7.80	458752	20.0
Benzofuran	7.52	15.8	ng/ul	361647	1	7.80	458752	20.0
Indane	8.17	71.2	ng/ul	1633020	1	7.80	458752	20.0
Indene	8.33	111.3	ng/ul	2553030	1	7.80	458752	20.0
Naphthalene, 1,6-...	13.61	11.3	ng/ul	662393	3	14.44	1174900	20.0
Propanedioic acid...	14.93	13.0	ng/ul	761370	3	14.44	1174900	20.0
Dibenzofuran, 4-m...	15.93	6.0	ng/ul	350300	4	17.19	1175010	20.0
2-Naphthalenecarb...	16.17	12.1	ng/ul	711321	4	17.19	1175010	20.0
1(2H)-Isoquinolinone	16.43	5.9	ng/ul	348650	4	17.19	1175010	20.0
Dibenzothiophene	17.00	6.6	ng/ul	390254	4	17.19	1175010	20.0
4H-Cyclopenta[def...	18.26	6.8	ng/ul	400452	4	17.19	1175010	20.0
Butyl citrate	19.50	26.4	ng/ul	1875520	5	21.37	1421910	20.0
Benzamide, 3-brom...	19.81	6.1	ng/ul	430993	5	21.37	1421910	20.0