LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012269.D
Acq On : 18 Oct 2017 03:34
Operator : SJ/JU
Sample : I5664-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B75

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.228	16	24	34	rBV2	364984	755953	11.94%	1.049%
2	6.957	652	658	673	rBV2	1166137	2293397	36.23%	3.182%
3	7.116	679	685	698	rVB	870847	1385868	21.89%	1.923%
4	7.316	712	719	736	rBV	896041	1494206	23.60%	2.073%
5	7.787	792	799	807	rBV	618020	1057845	16.71%	1.468%
6	8.498	912	920	938	rBV	1106186	1967875	31.08%	2.730%
7	8.957	991	998	1013	rBV	801874	1400392	22.12%	1.943%
8	9.675	1113	1120	1137	rBV	699661	1304904	20.61%	1.811%
9	10.216	1205	1212	1228	rBV	1133301	2137924	33.77%	2.966%
10	10.586	1267	1275	1285	rBV	935892	1557783	24.61%	2.161%
11	10.733	1293	1300	1321	rBV	886786	1805947	28.53%	2.506%
12	10.945	1329	1336	1346	rBV5	42906	145816	2.30%	0.202%
13	11.910	1492	1500	1509	rBV	276620	488890	7.72%	0.678%
14	12.416	1580	1586	1606	rBV	216866	903206	14.27%	1.253%
15	13.604	1776	1788	1796	rBV2	79249	271693	4.29%	0.377%
16	13.851	1823	1830	1834	rBV	2962261	4268120	67.42%	5.922%
17	13.892	1834	1837	1845	rVB	2395296	3330095	52.60%	4.621%
18	14.074	1863	1868	1872	rBV7	40439	78539	1.24%	0.109%
19	14.133	1872	1878	1885	rVB	3388939	5015668	79.23%	6.959%
20	14.315	1903	1909	1918	rBV3	40268	95645	1.51%	0.133%
21	14.439	1924	1930	1940	rVB2	1930097	2865599	45.26%	3.976%
22	14.668	1964	1969	1984	rBV	559272	1301422	20.56%	1.806%
23	14.845	1997	1999	2007	rVB7	41733	65249	1.03%	0.091%
24	15.433	2090	2099	2106	rBV	4421934	6330907	100.00%	8.784%
25	15.580	2118	2124	2135	rBV	768243	1274473	20.13%	1.768%
26	15.674	2135	2140	2146	rVB2	57906	106165	1.68%	0.147%
27	15.798	2155	2161	2171	rBV	2917625	3808170	60.15%	5.284%
28	15.945	2182	2186	2193	rBV	33777	70168	1.11%	0.097%
29	16.321	2246	2250	2255	rBV	66167	78522	1.24%	0.109%
30	16.486	2274	2278	2284	rBV8	35645	71446	1.13%	0.099%
31	17.139	2384	2389	2392	rBV3	42604	72344	1.14%	0.100%
32	17.186	2392	2397	2408	rVB2	1962920	2896832	45.76%	4.019%
33	17.286	2408	2414	2422	rBV	3102272	4483743	70.82%	6.221%
34	18.068	2542	2547	2558	rBV	489584	722177	11.41%	1.002%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0B75

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

35	19.345	2760	2764	2773	rBV	357946	546753	8.64%	0.759%
36	19.586	2799	2805	2810	rBV	3382959	4569407	72.18%	6.340%
37	21.056	3053	3055	3059	rVB2	170917	171486	2.71%	0.238%
38	21.368	3104	3108	3117	rBV	1628922	2310823	36.50%	3.206%
39	21.756	3171	3174	3180	rVB2	297793	378032	5.97%	0.525%
40	21.856	3188	3191	3196	rVB	247495	310647	4.91%	0.431%
41	22.409	3281	3285	3291	rVB	885462	1175974	18.58%	1.632%
42	22.727	3336	3339	3347	rVB	417005	660027	10.43%	0.916%
43	23.521	3468	3474	3483	rVB2	2013622	4053087	64.02%	5.624%
44	23.668	3494	3499	3506	rVB2	1036516	1988297	31.41%	2.759%

Sum of corrected areas: 72071516

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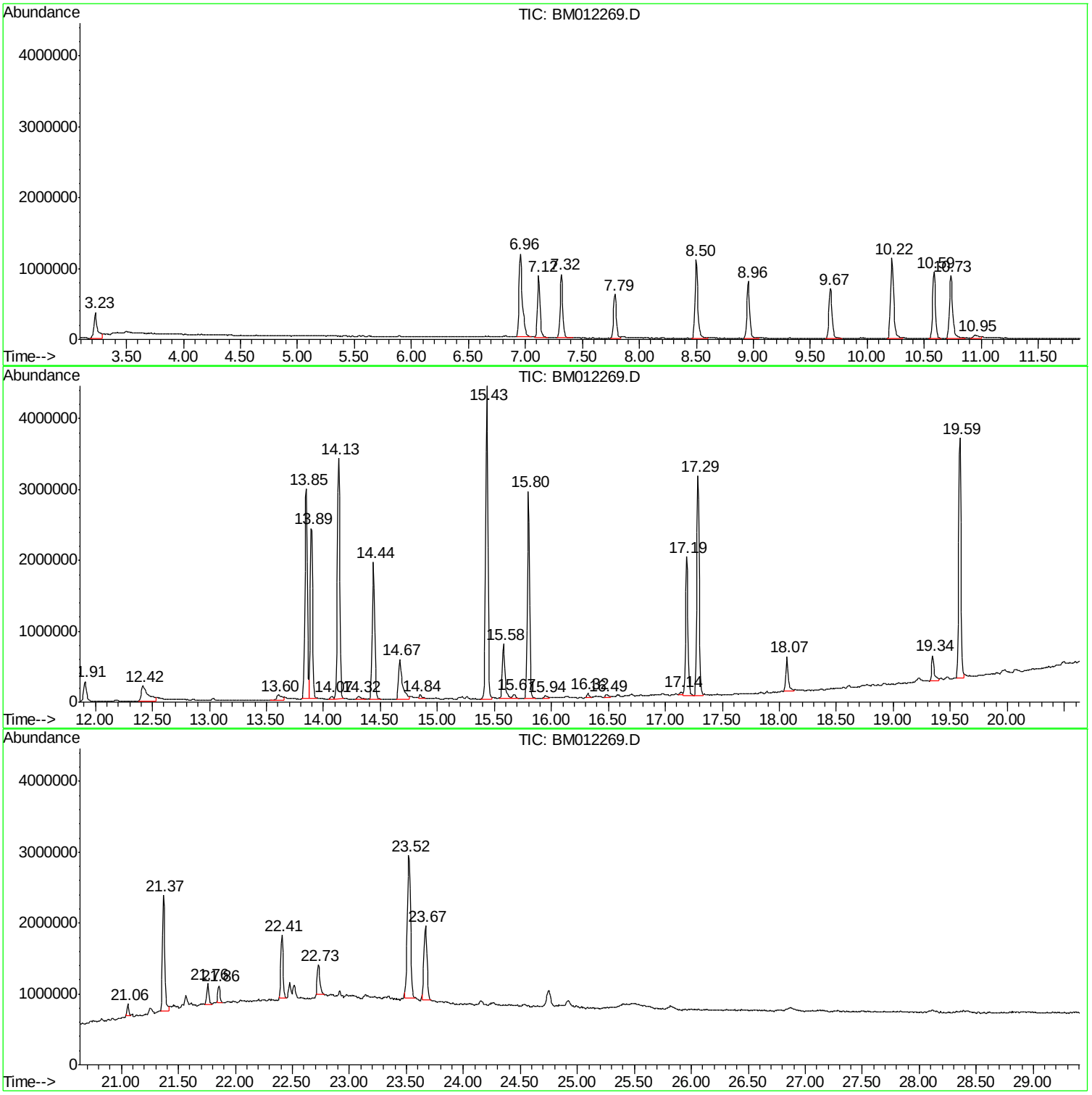
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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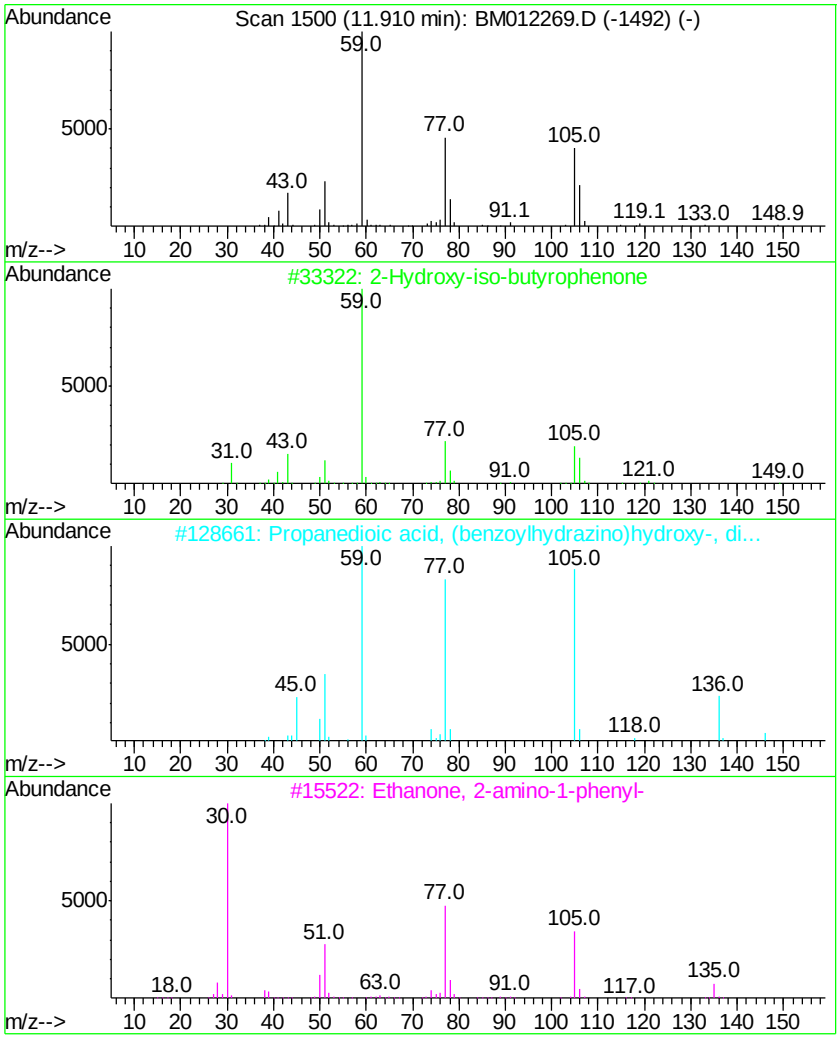
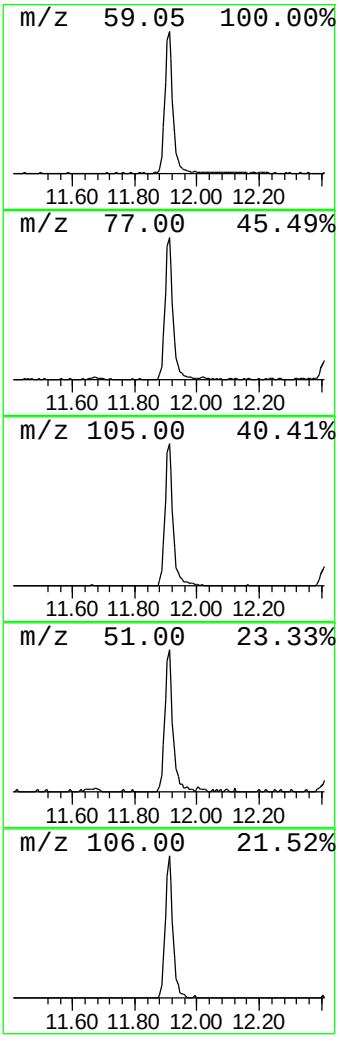
Peak Number 1 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	6.28 ng/ul	488890	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	43
2	Propanedioic acid, (benzoylhydra...	282	C12H14N2O6	1000142-99-9	40
3	Ethanone, 2-amino-1-phenyl-	135	C8H9NO	000613-89-8	27
4	Propionic acid, 2-isopropoxy-, m...	146	C7H14O3	1000151-15-1	17
5	Hexanamide	115	C6H13NO	000628-02-4	9





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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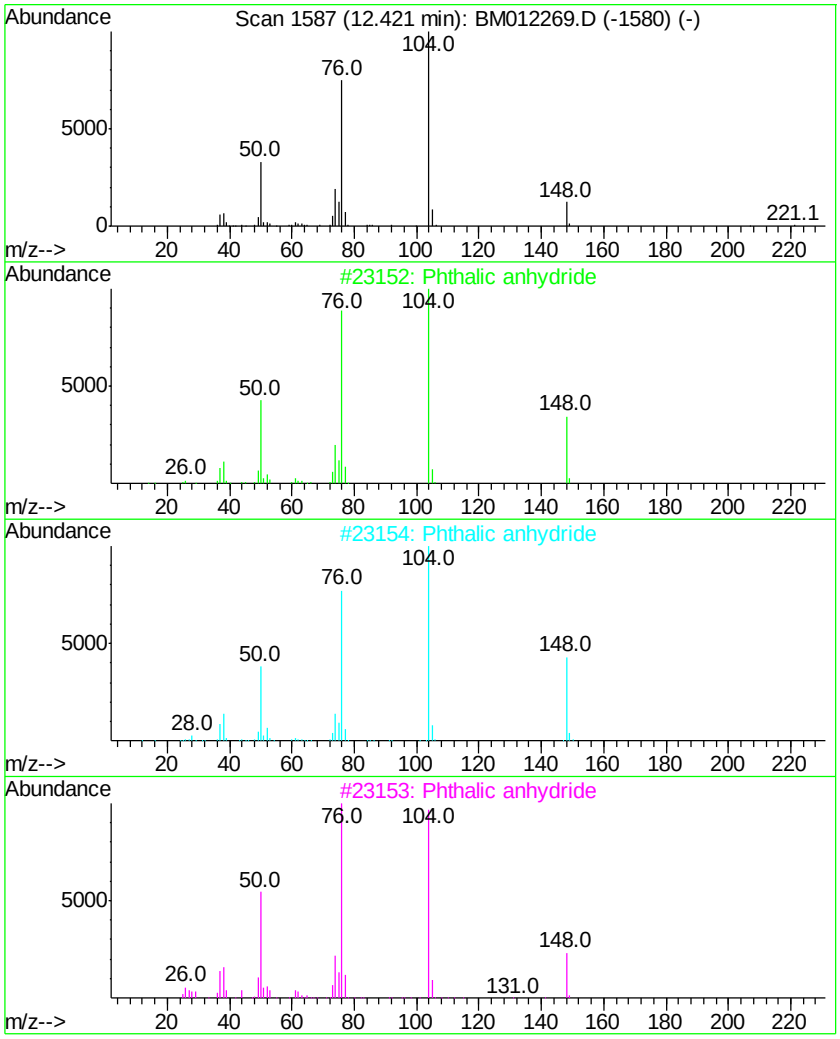
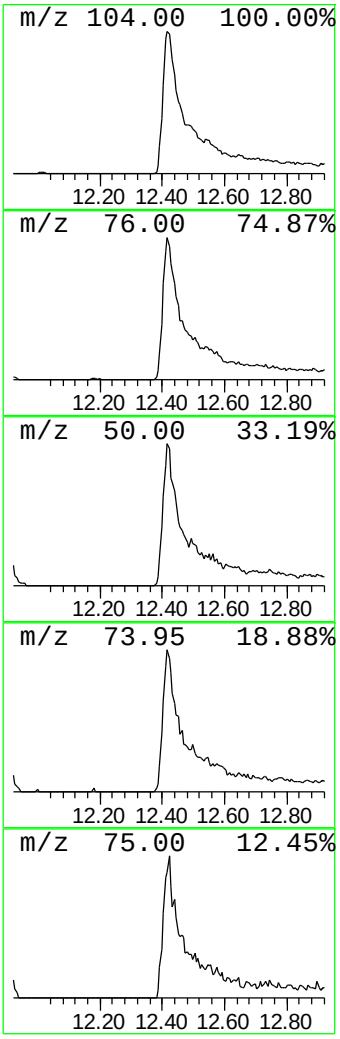
Peak Number 2 Phthalic anhydride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	11.60 ng/ul	903206	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	95
2	Phthalic anhydride	148	C8H4O3	000085-44-9	95
3	Phthalic anhydride	148	C8H4O3	000085-44-9	90
4	Ninhydrin	178	C9H6O4	000485-47-2	90
5	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	90





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B75

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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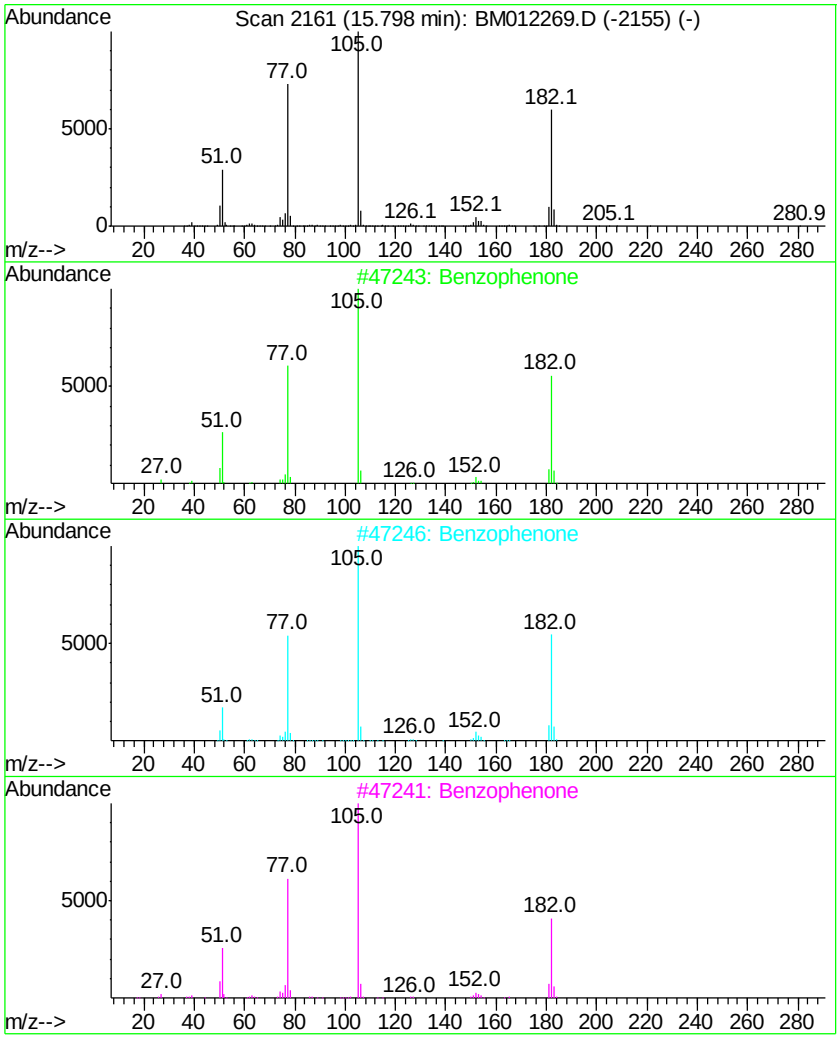
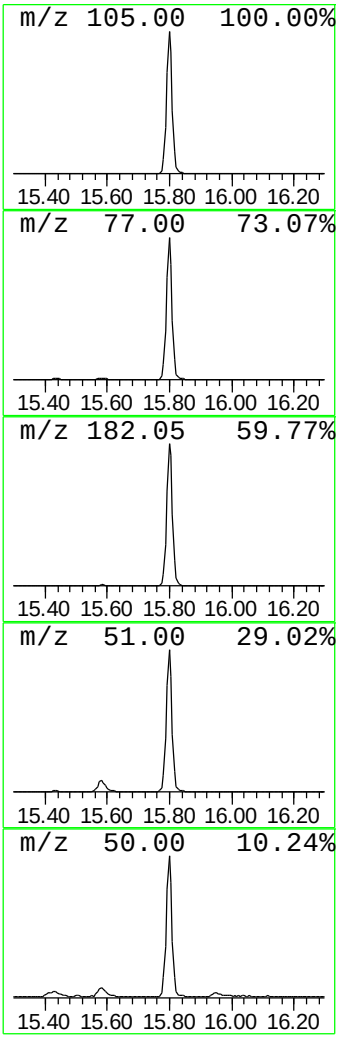
Peak Number 3 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	26.58 ng/ul	3808170	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	95
3	Benzophenone	182	C13H10O	000119-61-9	94
4	Benzophenone	182	C13H10O	000119-61-9	91
5	Azobenzene	182	C12H10N2	000103-33-3	58





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Instrument : BNA_M
ClientSampleId : C0B75

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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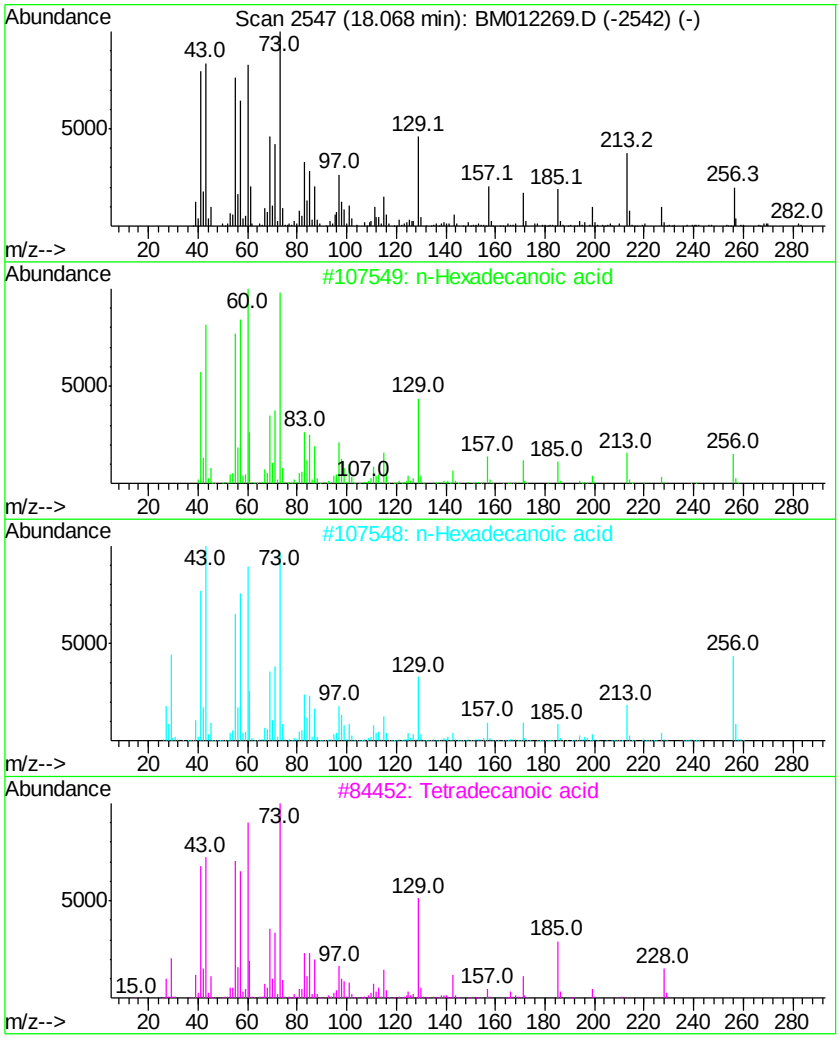
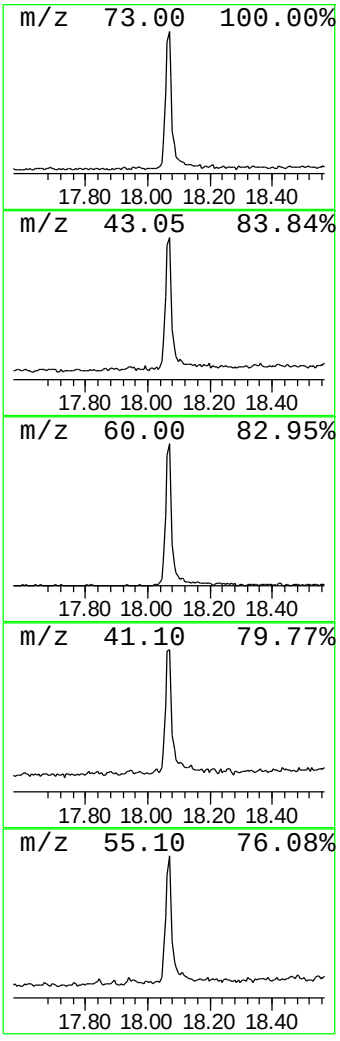
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	4.99 ng/ul	722177	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	64





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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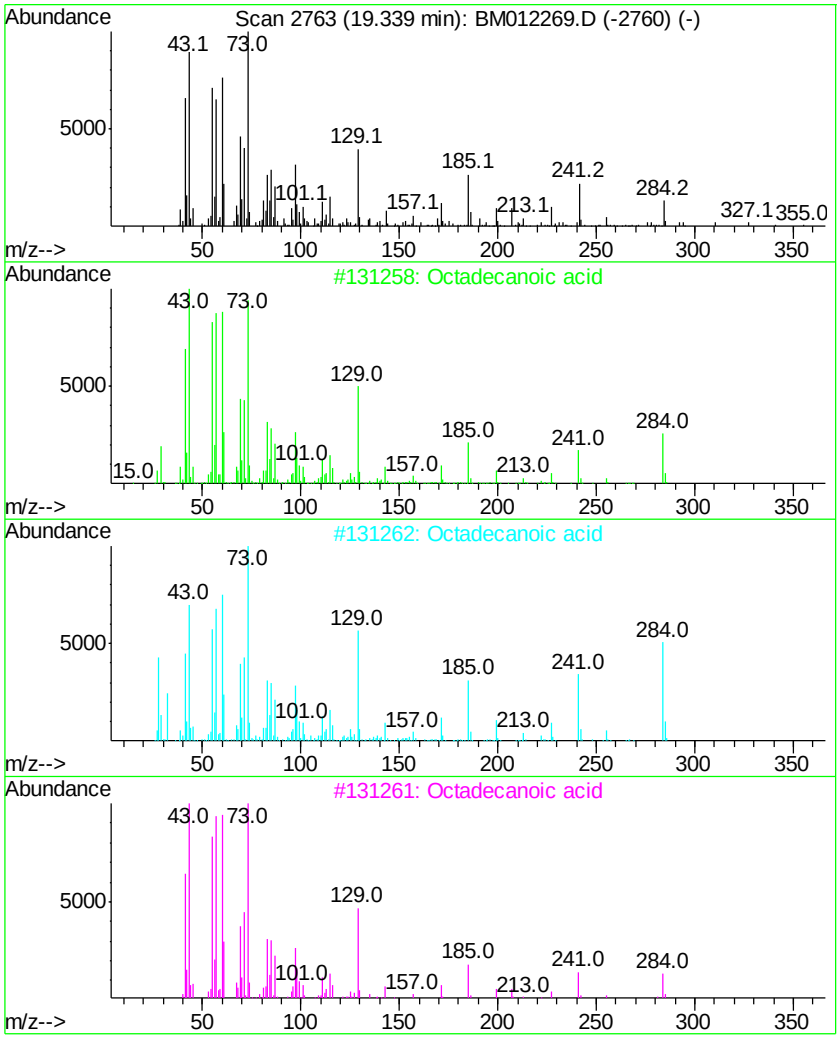
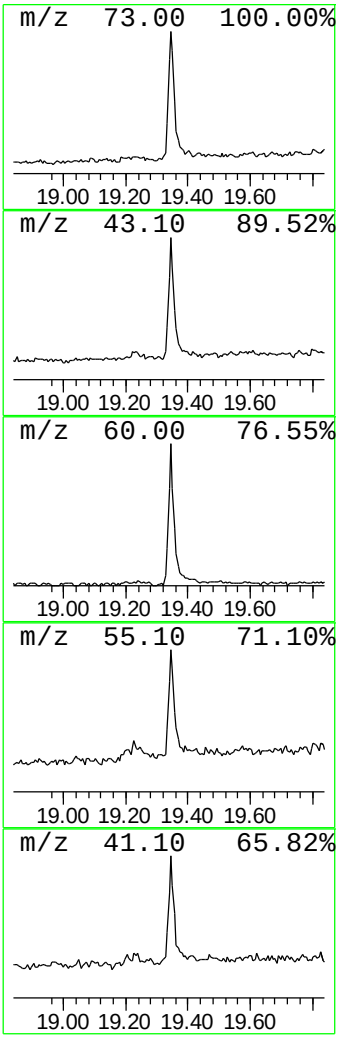
Peak Number 5 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	4.73 ng/ul	546753	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Octadecanoic acid	284	C18H36O2	000057-11-4	97
3	Octadecanoic acid	284	C18H36O2	000057-11-4	95
4	Octadecanoic acid	284	C18H36O2	000057-11-4	93
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89





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Quant Title : SVOA CALIBRATION

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

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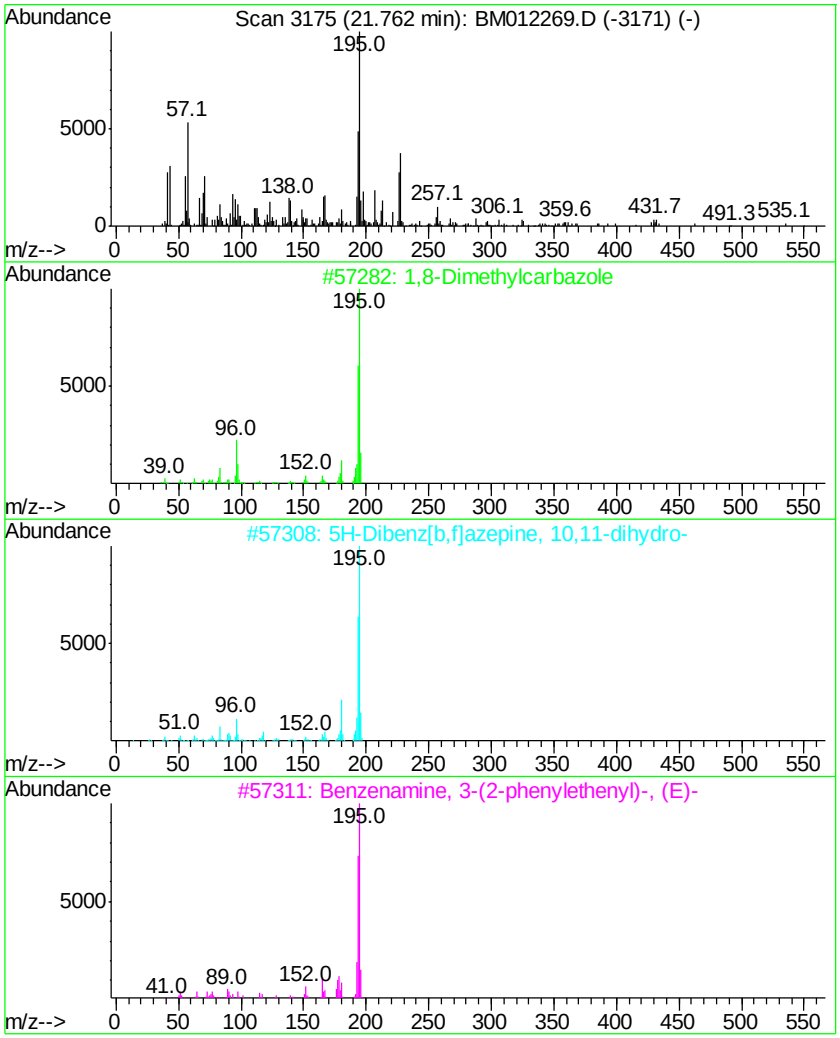
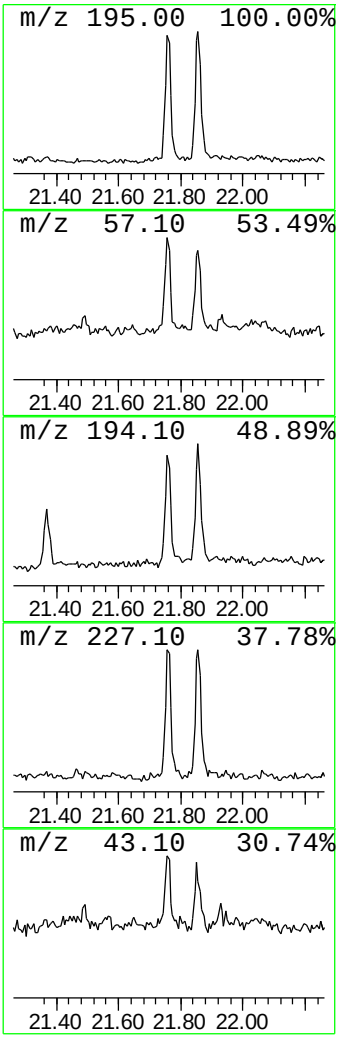
Peak Number 6 1,8-Dimethylcarbazole Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	3.27 ng/ul	378032	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Dimethylcarbazole	195	C14H13N	1000328-39-0	60
2	5H-Dibenz[b,f]azepine, 10,11-dih...	195	C14H13N	000494-19-9	53
3	Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	49
4	Benzimidazole, 2-(4-pyridinyl)-	195	C12H9N3	002208-59-5	49
5	2,4-Dimethylcarbazole	195	C14H13N	1000326-01-2	49





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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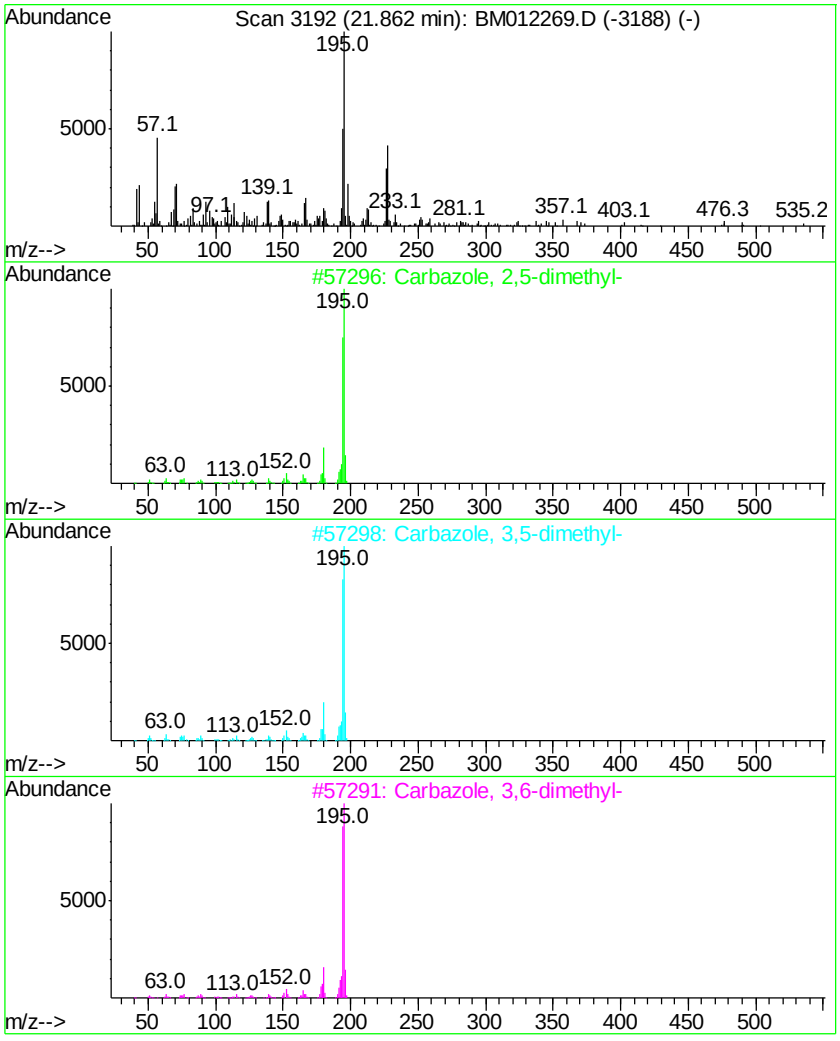
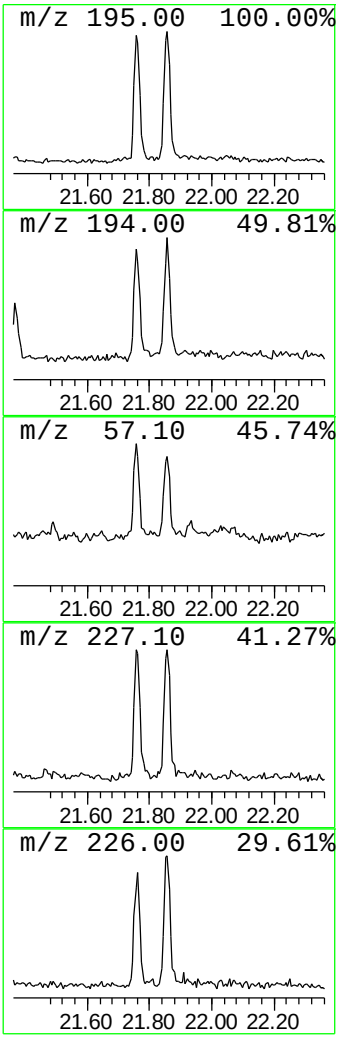
Peak Number 7 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	2.69 ng/ul	310647	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole, 2,5-dimethyl-	195	C14H13N	078787-79-8	46
2	Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	46
3	Carbazole, 3,6-dimethyl-	195	C14H13N	005599-50-8	46
4	2-Methyldipyrrolo[1,2-a:2',1'-c]...	195	C12H9N3	1000305-64-5	46
5	Carbazole, 1,5-dimethyl-	195	C14H13N	051640-60-9	46





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Quant Title : SVOA CALIBRATION

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

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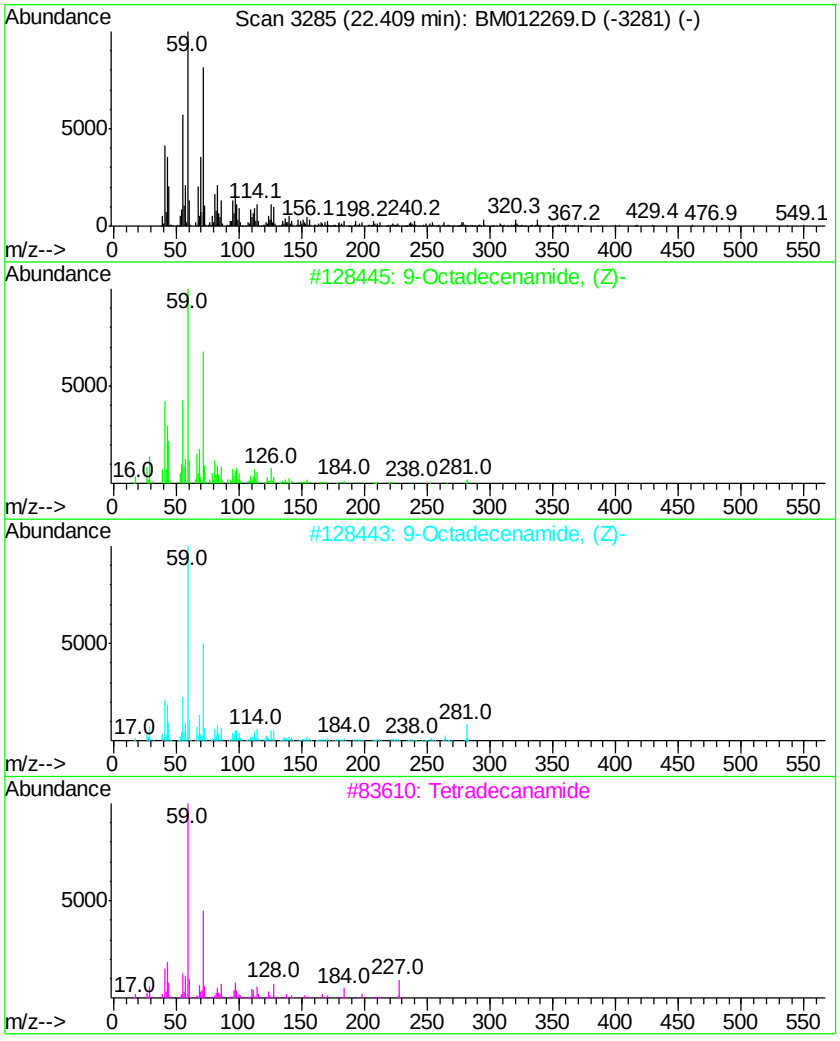
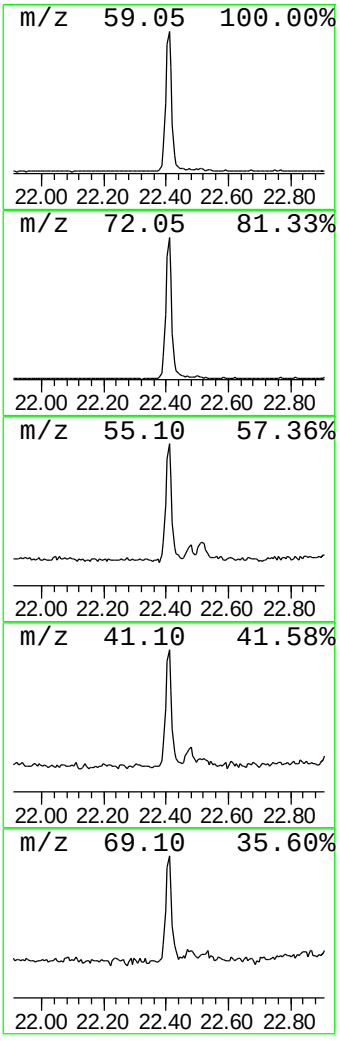
Peak Number 8 9-Octadecenamide, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.41	10.18 ng/ul	1175970	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	53
3	Tetradecanamide	227	C14H29NO	000638-58-4	47
4	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	43
5	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	43





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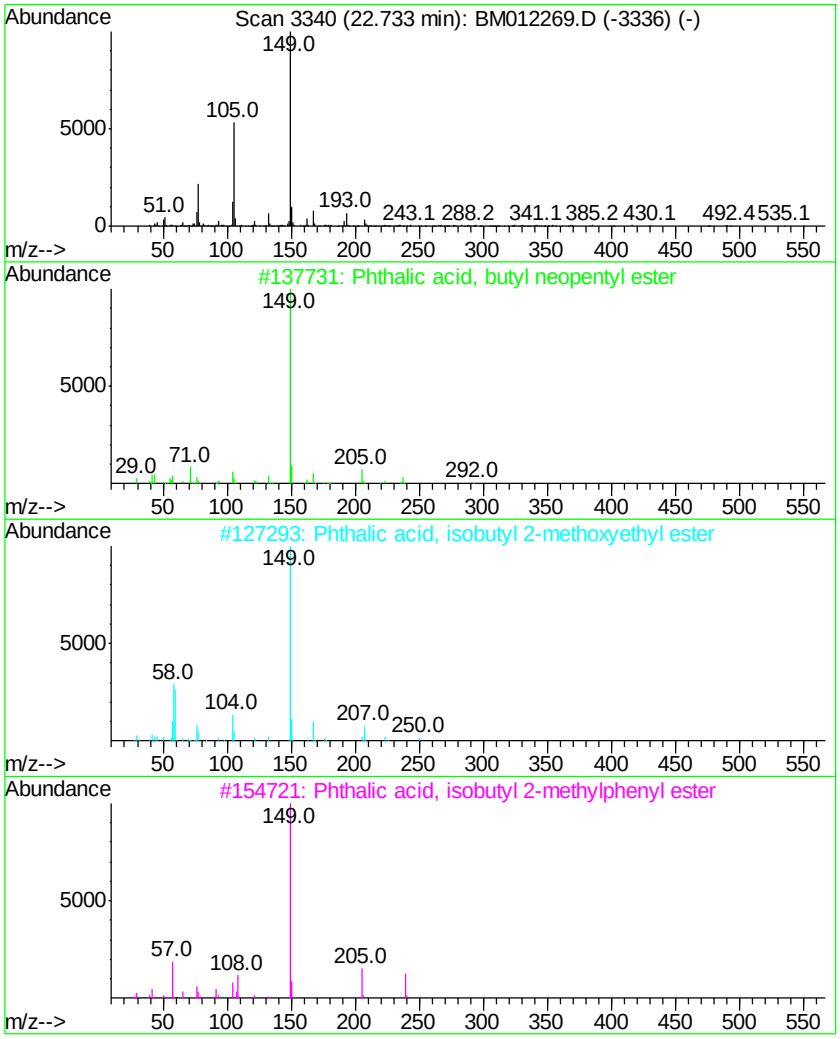
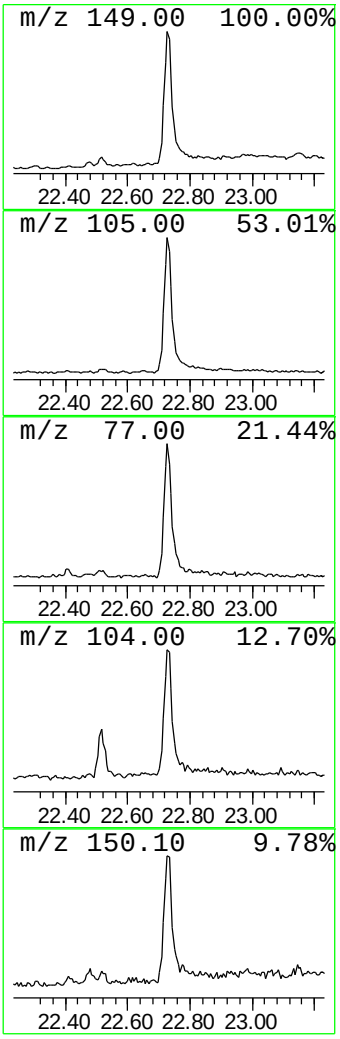
Peak Number 9 Phthalic acid, butyl neopen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.73	6.64 ng/ul	660027	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, butyl neopentyl e...	292	C17H24O4	1000309-03-7	64
2	Phthalic acid, isobutyl 2-methox...	280	C15H20O5	1000315-79-9	59
3	Phthalic acid, isobutyl 2-methyl...	312	C19H20O4	1000314-95-7	59
4	1,3-Dioxolane, 2-phenyl-2-(pheny...	240	C16H16O2	004362-19-0	59
5	Phthalic acid, neopentyl pentyl ...	306	C18H26O4	1000315-29-8	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101717\
Data File : BM012269.D
Acq On : 18 Oct 2017 03:34
Operator : SJ/JU
Sample : I5664-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B75

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	11.91	6.3	ng/ul	488890	2	10.59	1557780	20.0
Phthalic anhydride	12.42	11.6	ng/ul	903206	2	10.59	1557780	20.0
Benzophenone	15.80	26.6	ng/ul	3808170	3	14.44	2865600	20.0
n-Hexadecanoic acid	18.07	5.0	ng/ul	722177	4	17.19	2896830	20.0
Octadecanoic acid	19.34	4.7	ng/ul	546753	5	21.37	2310820	20.0
1,8-Dimethylcarba...	21.76	3.3	ng/ul	378032	5	21.37	2310820	20.0
unknown-02	21.86	2.7	ng/ul	310647	5	21.37	2310820	20.0
9-Octadecenamide,...	22.41	10.2	ng/ul	1175970	5	21.37	2310820	20.0
Phthalic acid, bu...	22.73	6.6	ng/ul	660027	6	23.67	1988300	20.0