LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

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\SOM02.2-EPA-BM102016.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	6.922	731	737	750	rVB2	139304	260396	3.61%	0.440%
2	7.081	757	764	775	rBV	562758	901152	12.49%	1.523%
3	7.275	789	797	808	rBV	626416	1040471	14.42%	1.758%
4	7.739	868	876	884	rBV	646233	1066571	14.78%	1.802%
5	8.445	990	996	1006	rBV	449062	757430	10.50%	1.280%
6	8.586	1014	1020	1030	rVB	110225	187818	2.60%	0.317%
7	8.898	1066	1073	1087	rBV	681500	1200109	16.63%	2.028%
8	9.022	1088	1094	1106	rVB	52408	100362	1.39%	0.170%
9	9.610	1188	1194	1211	rBV	568316	982501	13.62%	1.660%
10	10.145	1278	1285	1307	rBV	721903	1470573	20.38%	2.485%
11	10.516	1341	1348	1359	rVB	815964	1382529	19.16%	2.336%
12	10.686	1369	1377	1386	rBV2	53843	108304	1.50%	0.183%
13	13.786	1898	1904	1917	rVV	1625510	2249288	31.17%	3.801%
14	13.904	1918	1924	1933	rVB	423505	595153	8.25%	1.006%
15	14.063	1945	1951	1965	rVB	1773707	2671937	37.03%	4.515%
16	14.374	1994	2004	2014	rBV2	1199511	2180456	30.22%	3.685%
17	14.615	2037	2045	2066	rVV4	68915	190662	2.64%	0.322%
18	15.127	2125	2132	2139	rBV	188401	274967	3.81%	0.465%
19	15.368	2166	2173	2184	rBV	2366397	3430239	47.53%	5.797%
20	15.504	2191	2196	2210	rBV	584741	939865	13.02%	1.588%
21	16.109	2292	2299	2309	rVB2	117197	206423	2.86%	0.349%
22	17.121	2465	2471	2482	rVB	1422203	1980286	27.44%	3.346%
23	17.221	2482	2488	2499	rBV	2608462	3651436	50.60%	6.170%
24	17.639	2547	2559	2580	rBV	3393602	7216274	100.00%	12.194%
25	17.786	2581	2584	2590	rVB3	135797	208361	2.89%	0.352%
26	18.021	2620	2624	2631	rVV5	45414	72707	1.01%	0.123%
27	18.092	2631	2636	2643	rVB2	77145	143815	1.99%	0.243%
28	18.245	2655	2662	2697	rBV	3762631	6931147	96.05%	11.712%
29	19.297	2837	2841	2847	rBV3	78651	131045	1.82%	0.221%
30	19.521	2873	2879	2886	rVB	3191846	4440266	61.53%	7.503%
31	19.774	2915	2922	2928	rBV5	93864	174593	2.42%	0.295%
32	21.115	3147	3150	3155	rBV	181094	233739	3.24%	0.395%
33	21.309	3178	3183	3192	rBV	2136153	2771485	38.41%	4.683%
34	21.944	3287	3291	3295	rVB	626598	754421	10.45%	1.275%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

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\SOM02.2-EPA-BM102016.M
Title : SVOA CALIBRATION

35	22.338	3354	3358	3367	rBV	300481	497014	6.89%	0.840%
36	23.421	3535	3542	3551	rBV	2677251	4954419	68.66%	8.372%
37	23.562	3560	3566	3575	rVB	1458937	2819531	39.07%	4.765%

Sum of corrected areas: 59177745

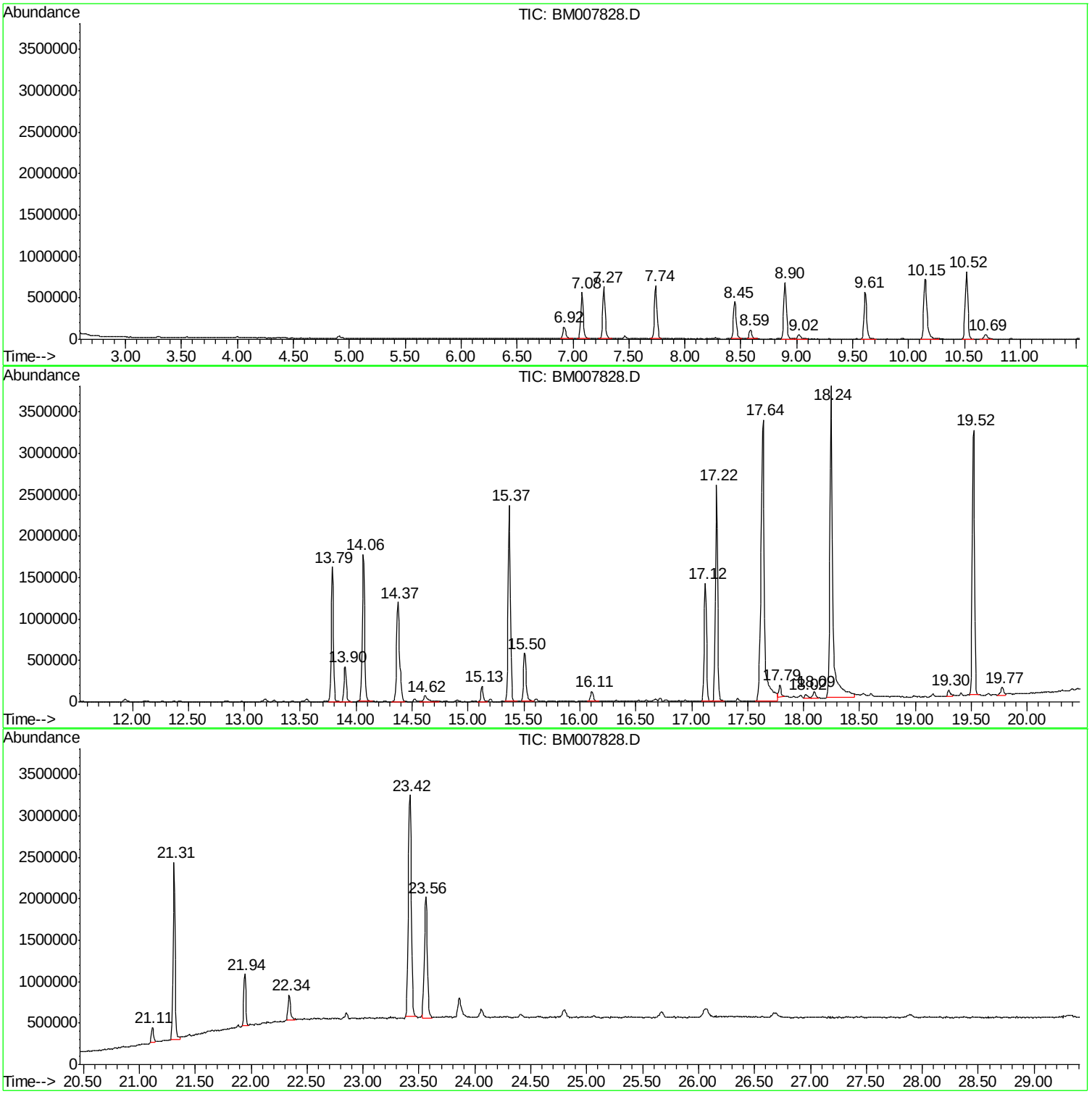
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

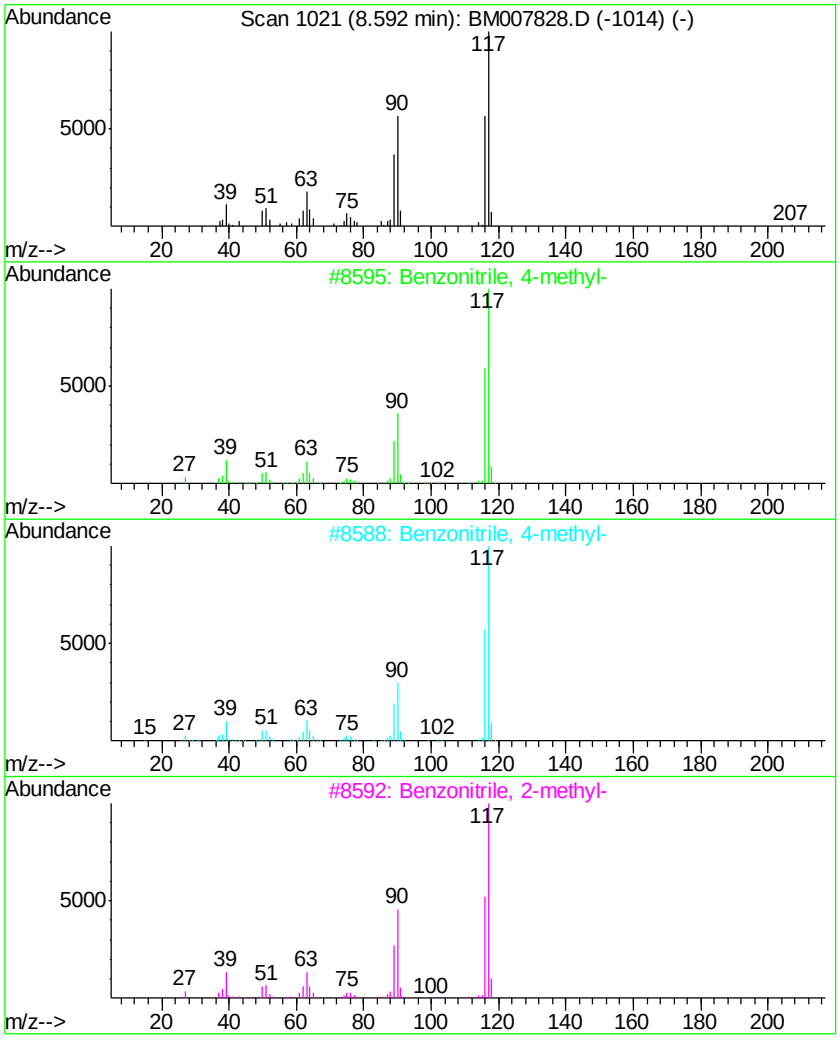
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

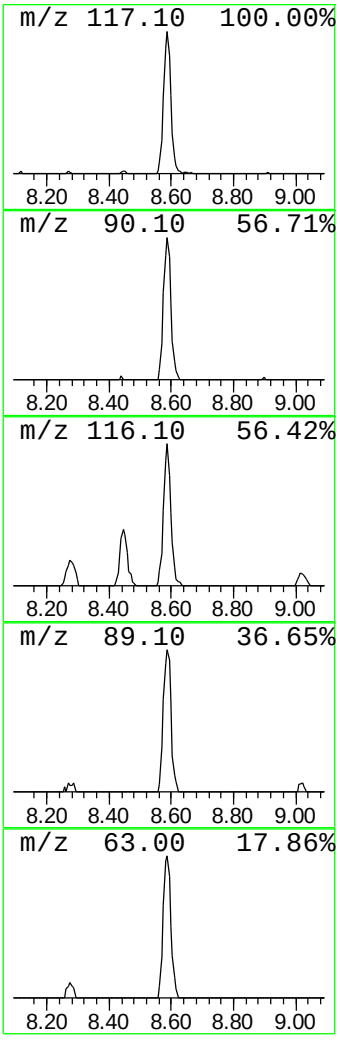
****

Peak Number 1 Benzonitrile, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	3.52 ng/ul	187818	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	97
2	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	97
3	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	97
4	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	97
5	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	97





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

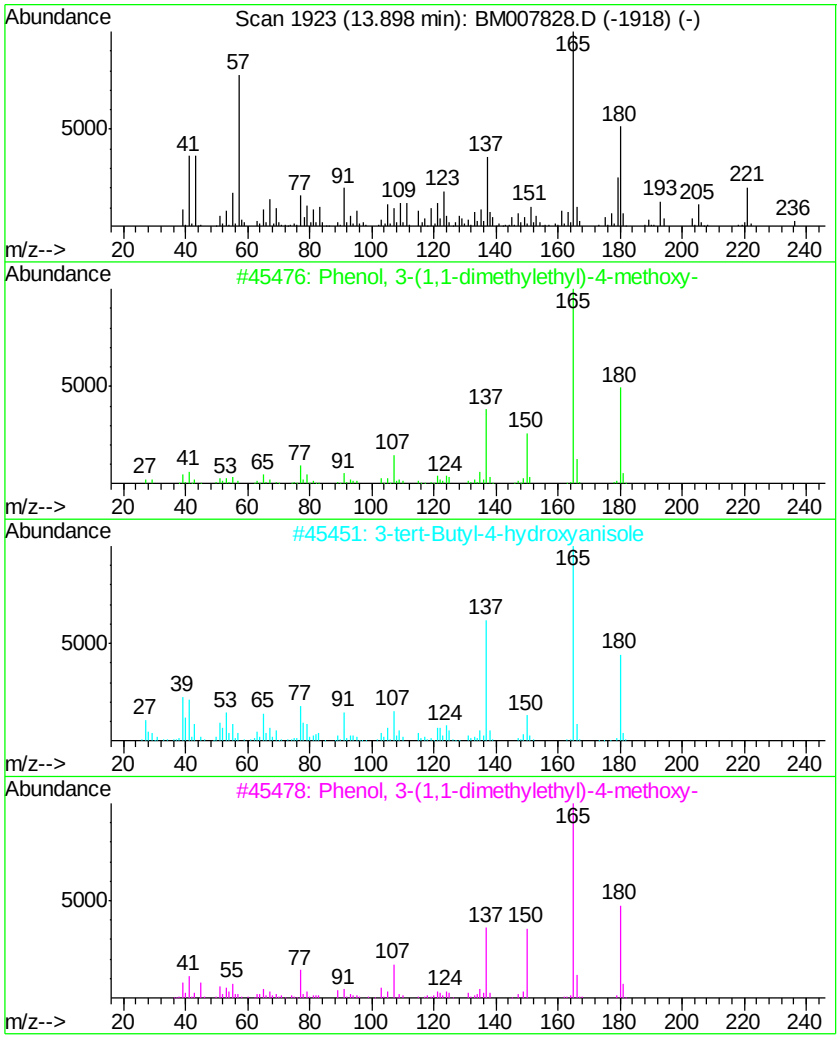
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

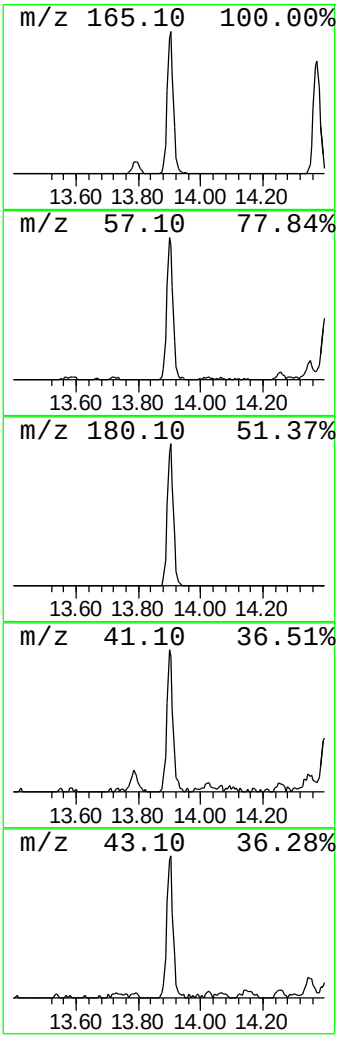
****

Peak Number 2 Phenol, 3-(1,1-dimethylethy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	5.46 ng/ul	595153	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(1,1-dimethylethyl)-4-...	180	C11H16O2	000088-32-4	70
2	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	62
3	Phenol, 3-(1,1-dimethylethyl)-4-...	180	C11H16O2	000088-32-4	62
4	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	58
5	7-Methyl-8-oxo-1,2,3,4-tetrahydr...	165	C8H11N3O	026955-10-2	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

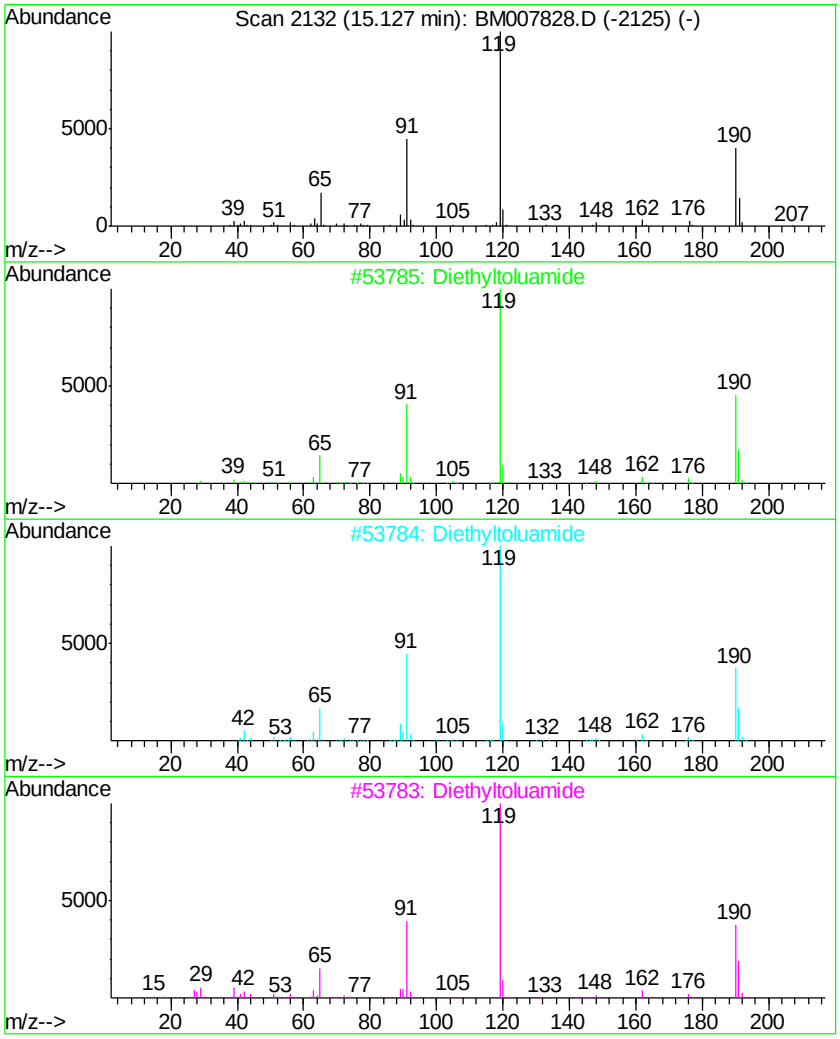
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

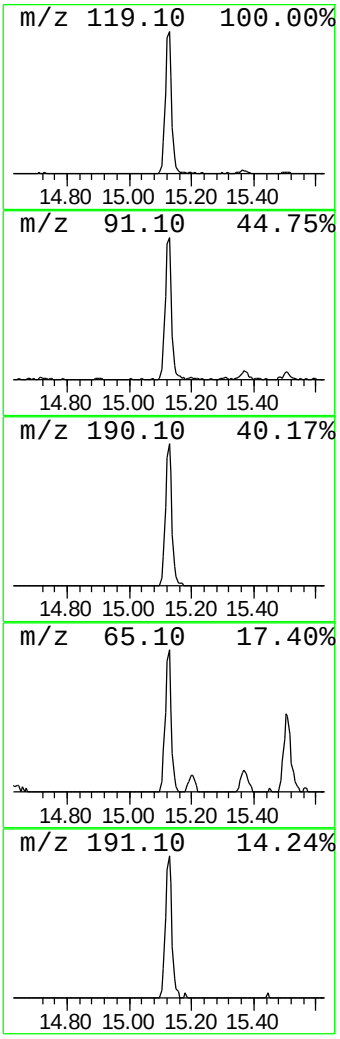
****

Peak Number 3 Diethyltoluamide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.52 ng/ul	274967	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	97
2	Diethyltoluamide	191	C12H17NO	000134-62-3	94
3	Diethyltoluamide	191	C12H17NO	000134-62-3	91
4	L-Valine, N-(4-methylbenzoyl)-, ...	277	C16H23NO3	1000346-63-8	78
5	1-Propanone, 2-methyl-1-(2-methy...	162	C11H14O	002040-21-3	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

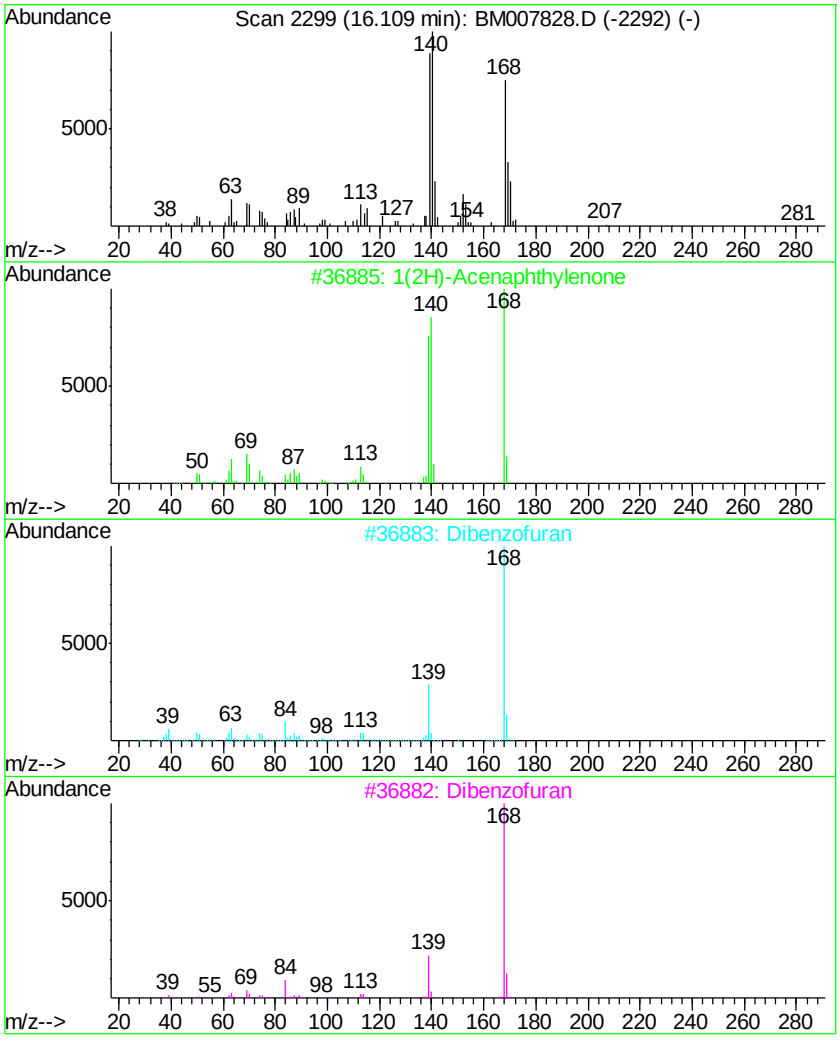
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

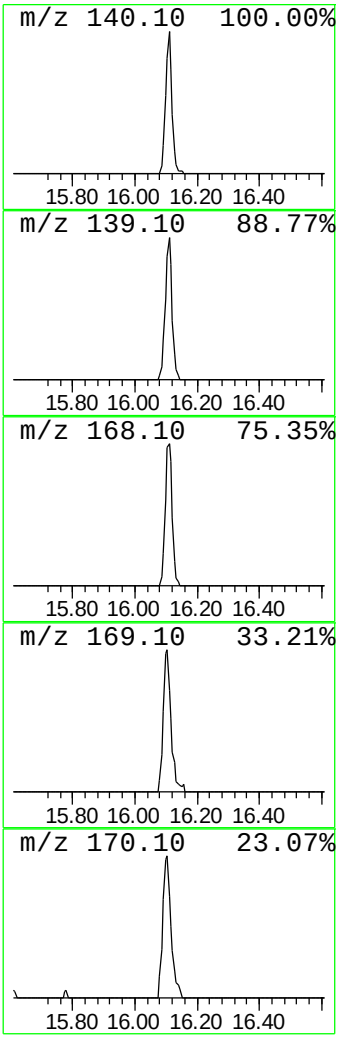
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	2.08 ng/ul	206423	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	81
2	Dibenzofuran	168	C12H8O	000132-64-9	43
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43
5	1-Isoquinolinecarbonitrile, 3-me...	168	C11H8N2	022381-52-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

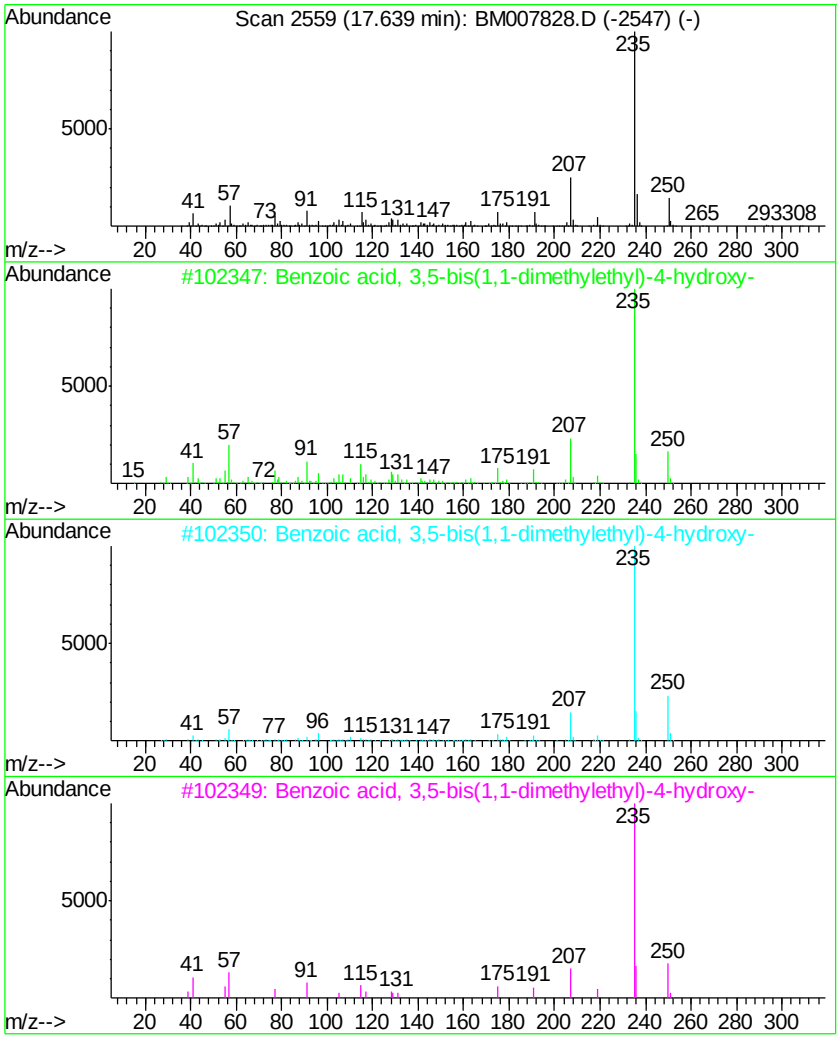
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

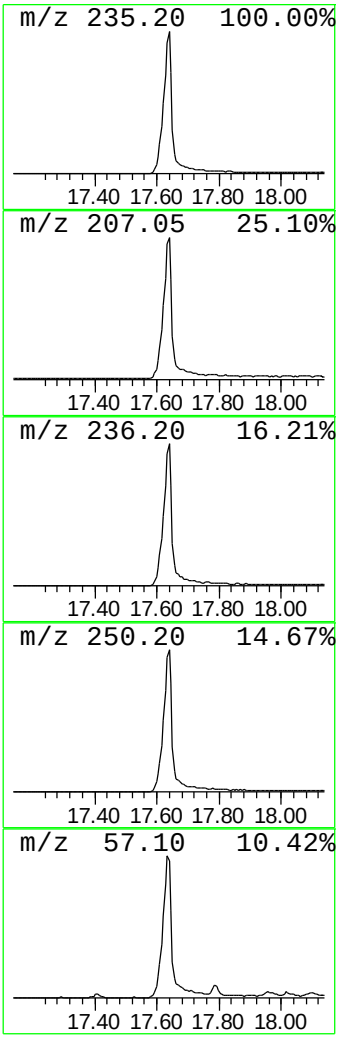
****

Peak Number 5 Benzoic acid, 3,5-bis(1,1-d... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	72.88 ng/ul	7216270	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	95
2	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	95
3	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	89
4	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	64
5	Benzenesulfonamide, 4-amino-N-(3...	299	C15H13N3O2S	028970-84-5	62





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

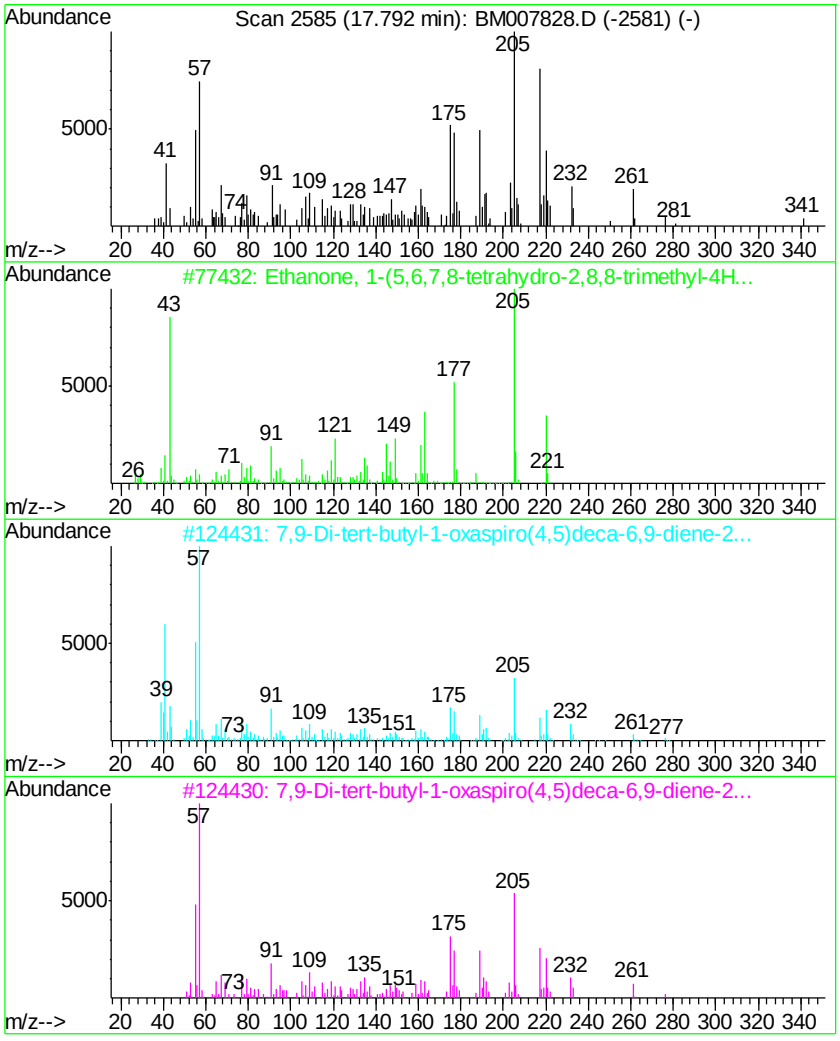
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

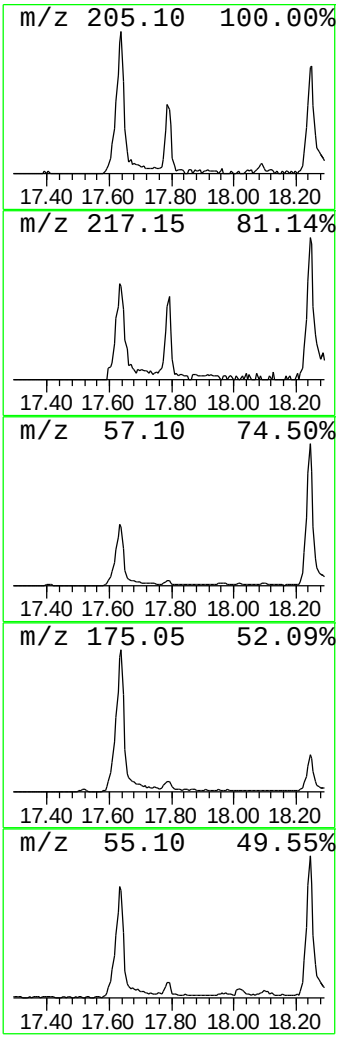
****

Peak Number 6 Ethanone, 1-(5,6,7,8-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.10 ng/ul	208361	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	70
2	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	64
3	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	58
4	2H-2a,7-Methanoazuleno[5,6-b]oxi...	220	C15H24O	029597-36-2	52
5	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

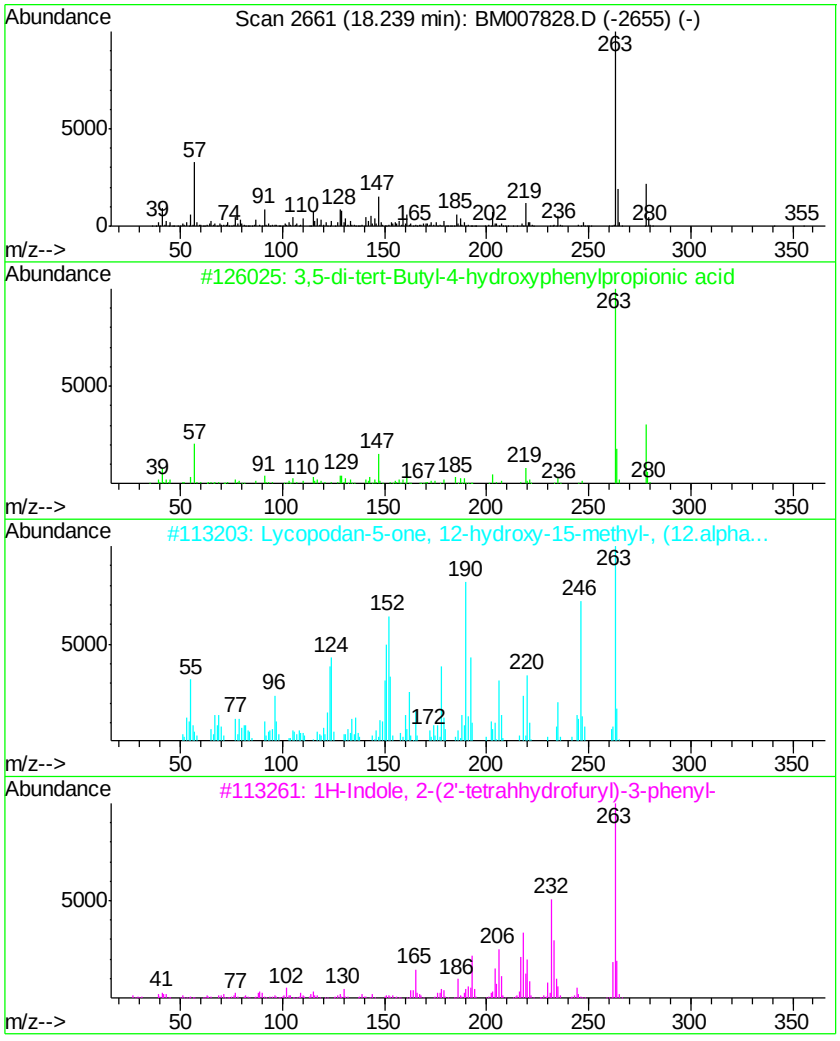
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

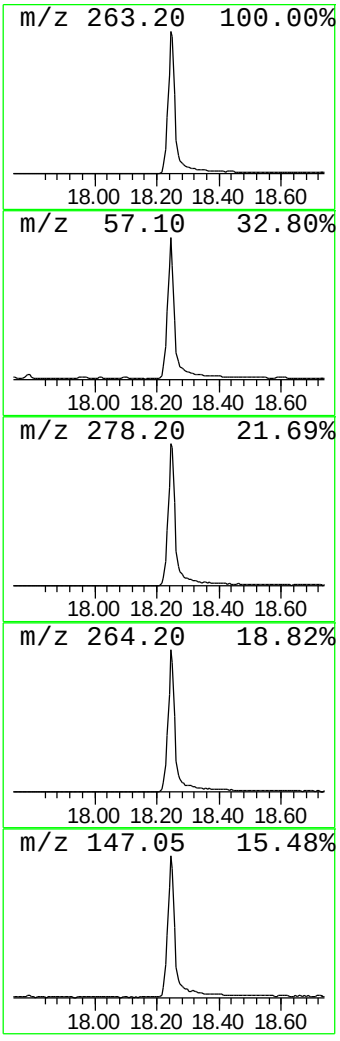
****

Peak Number 7 3,5-di-tert-Butyl-4-hydroxy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	70.00 ng/ul	6931150	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-di-tert-Butyl-4-hydroxypheny...	278	C17H26O3	020170-32-5	94
2	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	021061-90-5	91
3	1H-Indole, 2-(2'-tetrahhydrofury...	263	C18H17NO	163064-85-5	53
4	3,5-di-tert-Butyl-4-hydroxypheny...	278	C17H26O3	020170-32-5	52
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

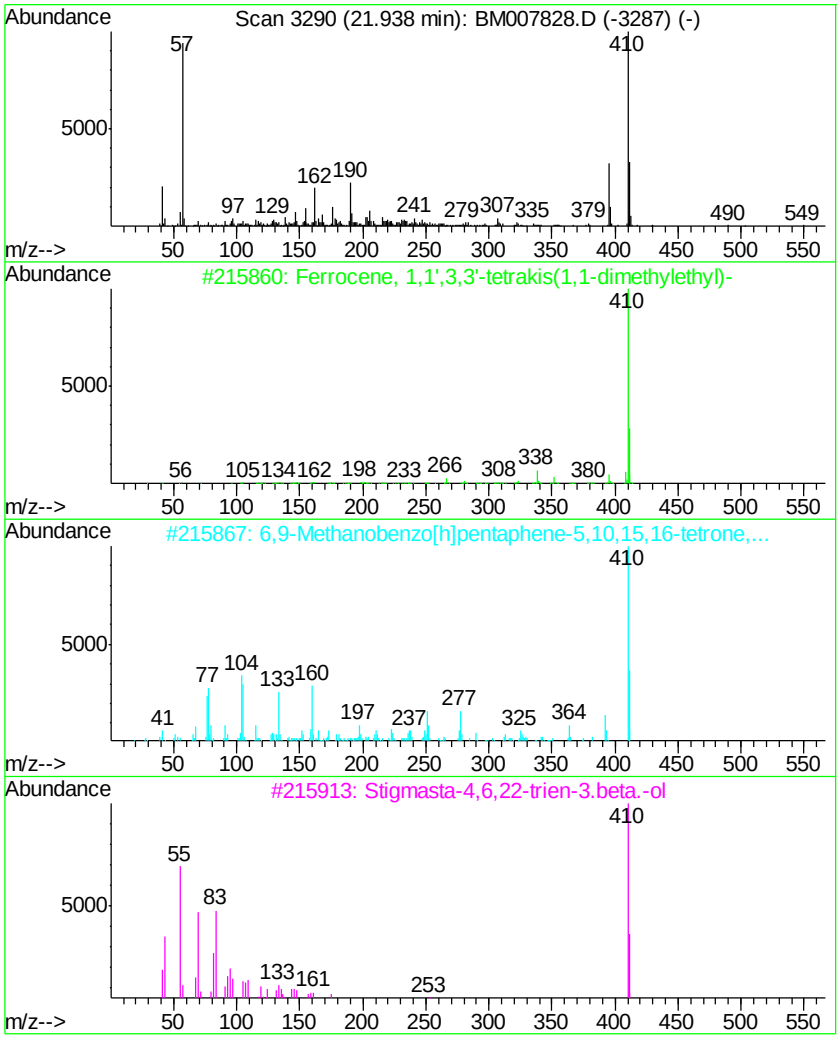
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

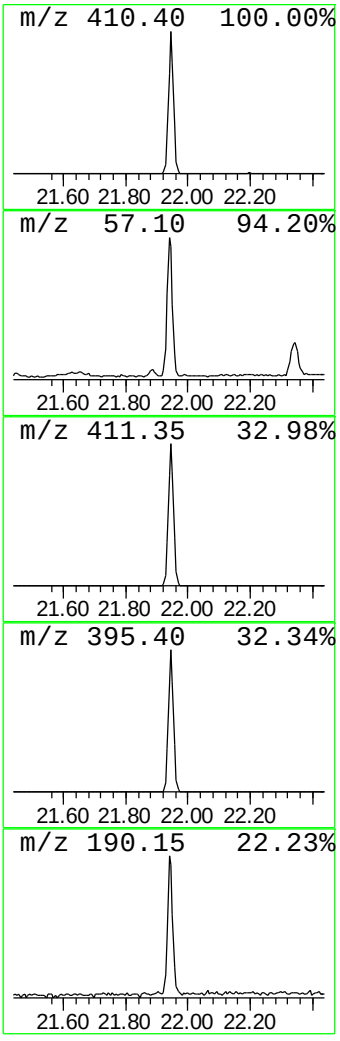
****

Peak Number 8 Ferrocene, 1,1',3,3'-tetrak... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	5.44 ng/ul	754421	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ferrocene, 1,1',3,3'-tetrakis(1,...	410	C26H42Fe	001317-17-5	86
2	6,9-Methanobenzo[h]pentaphene-5,...	410	C27H22O4	057427-50-6	40
3	Stigmasta-4,6,22-trien-3.beta.-ol	410	C29H46O	096737-58-5	38
4	Silane, [(6a,7,8,10a-tetrahydro-...	526	C31H50O3Si2	066251-00-1	34
5	Olean-13(18)-ene	410	C30H50	003399-27-7	28





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007828.D
Acq On : 11 Nov 2016 16:35
Operator : UM/SJ
Sample : H5612-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H05

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.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
Benzonitrile, 4-m...	8.59	3.5	ng/ul	187818	1	7.74	1066570	20.0
Phenol, 3-(1,1-di...	13.90	5.5	ng/ul	595153	3	14.37	2180460	20.0
Diethyltoluamide	15.13	2.5	ng/ul	274967	3	14.37	2180460	20.0
1(2H)-Acenaphthyl...	16.11	2.1	ng/ul	206423	4	17.12	1980290	20.0
Benzoic acid, 3,5...	17.64	72.9	ng/ul	7216270	4	17.12	1980290	20.0
Ethanone, 1-(5,6,...	17.79	2.1	ng/ul	208361	4	17.12	1980290	20.0
3,5-di-tert-Butyl...	18.24	70.0	ng/ul	6931150	4	17.12	1980290	20.0
Ferrocene, 1,1',3...	21.94	5.4	ng/ul	754421	5	21.31	2771490	20.0