LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011987.D
Acq On : 08 Oct 2017 21:23
Operator : SJ/JU
Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

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-BM100317.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	7.010	661	667	680	rBV	266267	485025	5.63%	0.621%
2	7.175	688	695	707	rBV	762172	1255993	14.58%	1.609%
3	7.381	723	730	744	rBV	906663	1566207	18.19%	2.006%
4	7.851	803	810	820	rBV	702186	1185640	13.77%	1.519%
5	8.557	921	930	944	rBV	789910	1436424	16.68%	1.840%
6	9.016	1001	1008	1018	rBV	1023550	1785398	20.73%	2.287%
7	9.739	1124	1131	1140	rBV	901835	1576494	18.31%	2.020%
8	10.275	1215	1222	1240	rBV	1287561	2427773	28.19%	3.110%
9	10.651	1279	1286	1297	rBV	1036175	1826411	21.21%	2.340%
10	10.798	1302	1311	1320	rBV	110911	267429	3.11%	0.343%
11	11.222	1373	1383	1391	rBV3	84810	228665	2.66%	0.293%
12	13.904	1832	1839	1852	rVB	2906353	4142163	48.10%	5.306%
13	14.192	1881	1888	1899	rVV	3113777	4585951	53.25%	5.875%
14	14.292	1900	1905	1916	rVV	154077	248291	2.88%	0.318%
15	14.433	1925	1929	1934	rBV	72487	112718	1.31%	0.144%
16	14.498	1934	1940	1947	rVV2	1685025	2540223	29.50%	3.254%
17	14.704	1971	1975	1981	rBV3	116699	193908	2.25%	0.248%
18	14.868	1998	2003	2012	rBV3	60126	176844	2.05%	0.227%
19	14.945	2012	2016	2028	rVB	100796	171060	1.99%	0.219%
20	15.074	2033	2038	2044	rBV2	316436	524553	6.09%	0.672%
21	15.245	2064	2067	2072	rVB2	136850	184260	2.14%	0.236%
22	15.492	2102	2109	2114	rBV	3757032	5648239	65.59%	7.236%
23	15.610	2123	2129	2141	rVB	1371429	2016641	23.42%	2.583%
24	15.868	2169	2173	2178	rBV4	121469	185134	2.15%	0.237%
25	16.157	2218	2222	2223	rBV2	94448	116357	1.35%	0.149%
26	16.709	2311	2316	2320	rBV4	62272	124883	1.45%	0.160%
27	16.833	2334	2337	2343	rVB	68110	89749	1.04%	0.115%
28	17.239	2400	2406	2413	rBV2	2184706	3272828	38.00%	4.193%
29	17.339	2417	2423	2432	rBV	4429778	6291289	73.05%	8.059%
30	17.598	2462	2467	2473	rBV	294292	443936	5.15%	0.569%
31	17.656	2474	2477	2484	rVV2	132659	242835	2.82%	0.311%
32	17.862	2508	2512	2514	rBV2	59839	97718	1.13%	0.125%
33	17.898	2516	2518	2527	rVB	117627	209257	2.43%	0.268%
34	18.033	2536	2541	2550	rBV	560479	810241	9.41%	1.038%

LSC Area Percent Report

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Data File : BM011987.D
Acq On : 08 Oct 2017 21:23
Operator : SJ/JU
Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

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-BM100317.M
Title : SVOA CALIBRATION

35	18.121	2552	2556	2563	rBV5	248186	409364	4.75%	0.524%
36	18.251	2574	2578	2583	rVB	87833	133941	1.56%	0.172%
37	18.456	2610	2613	2617	rBV2	66472	86794	1.01%	0.111%
38	18.603	2634	2638	2646	rVB3	135930	313269	3.64%	0.401%
39	18.745	2658	2662	2668	rBV	263323	417237	4.84%	0.534%
40	18.851	2676	2680	2686	rVB2	409231	590097	6.85%	0.756%
41	18.915	2687	2691	2696	rBV3	856498	1454221	16.89%	1.863%
42	18.974	2696	2701	2707	rVB2	734759	1265803	14.70%	1.622%
43	19.156	2729	2732	2733	rBV	131018	142858	1.66%	0.183%
44	19.262	2746	2750	2758	rBV2	253632	447110	5.19%	0.573%
45	19.339	2759	2763	2765	rBV	250880	330373	3.84%	0.423%
46	19.368	2765	2768	2770	rVV	316826	415221	4.82%	0.532%
47	19.398	2770	2773	2782	rVB	478179	656473	7.62%	0.841%
48	19.633	2807	2813	2824	rBV	5663012	7847651	91.13%	10.053%
49	21.415	3111	3116	3125	rBV	3314764	4222962	49.04%	5.410%
50	23.586	3478	3485	3497	rVB2	4318169	8611892	100.00%	11.032%
51	23.733	3504	3510	3520	rVB	2120350	4246613	49.31%	5.440%

Sum of corrected areas: 78062416

LSC Report - Integrated Chromatogram

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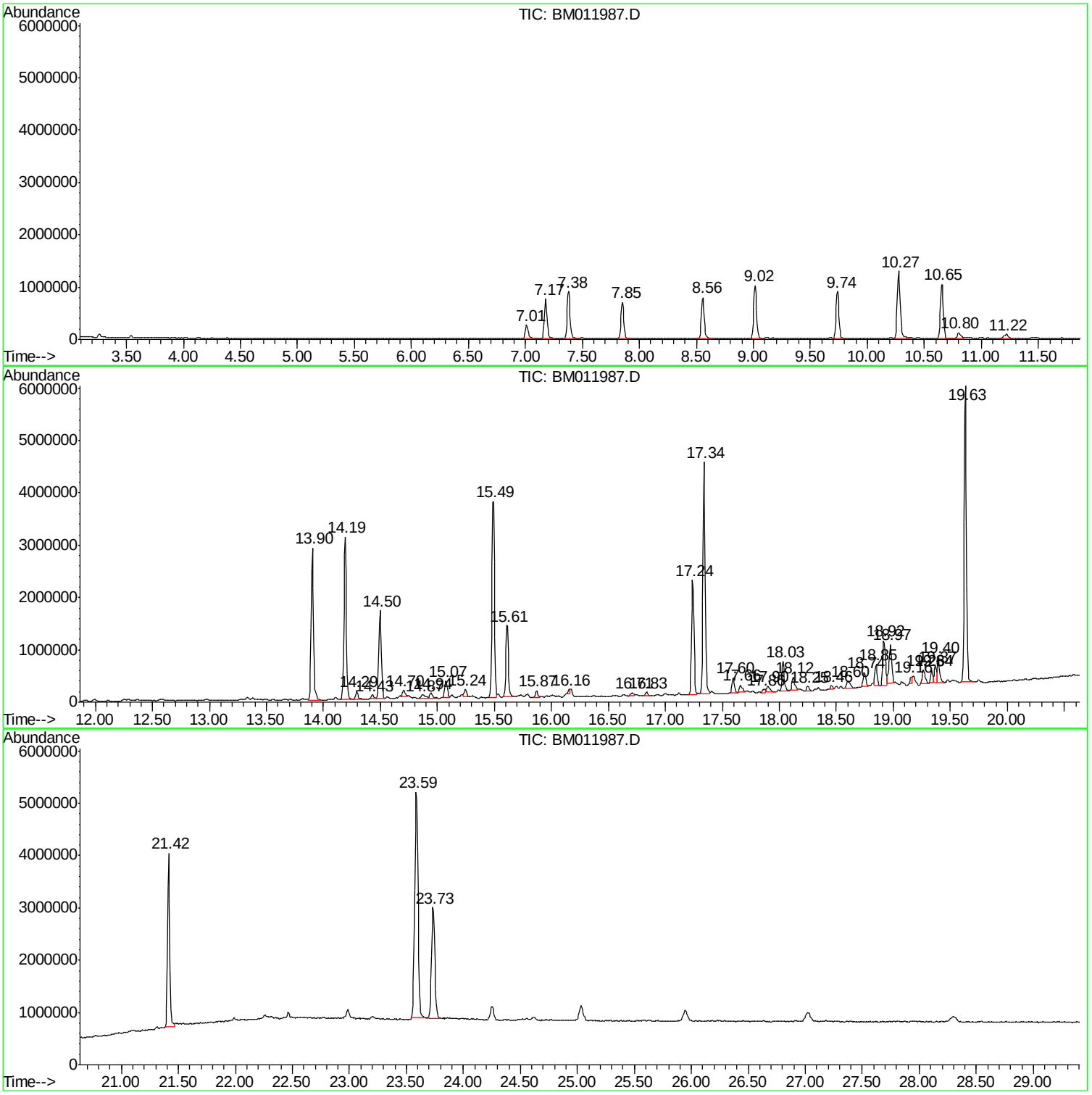
Operator : SJ/JU
Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Data File : BM011987.D
Acq On : 08 Oct 2017 21:23
Operator : SJ/JU
Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

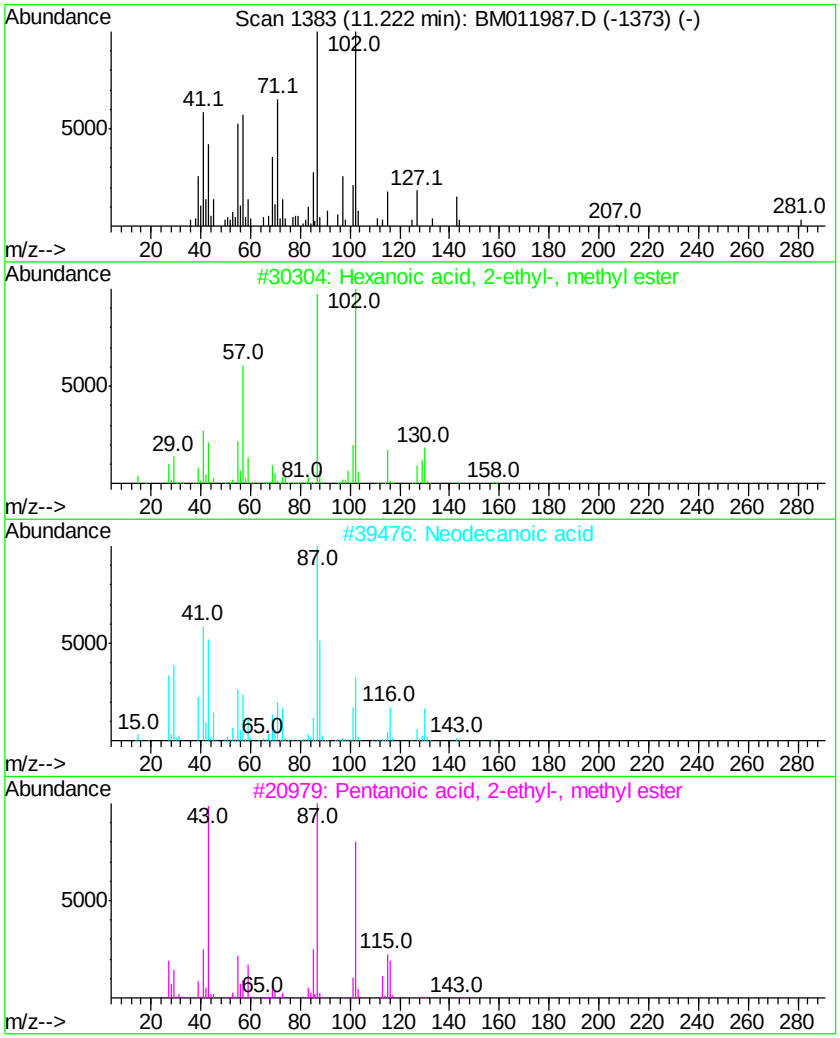
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

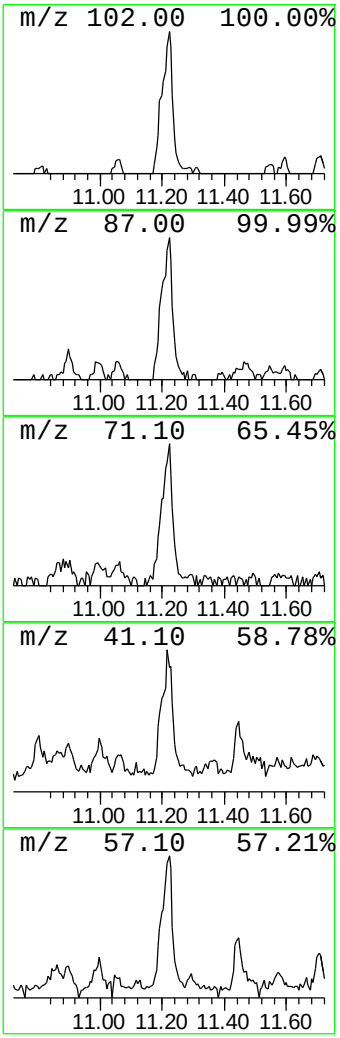
****

Peak Number 1 Hexanoic acid, 2-ethyl-, me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.50 ng/ul	228665	Naphthalene-d8	10.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-, methyl ...	158	C9H18O2	000816-19-3	50
2	Neodecanoic acid	172	C10H20O2	026896-20-8	43
3	Pentanoic acid, 2-ethyl-, methyl...	144	C8H16O2	000816-16-0	40
4	Butanoic acid, 2,3-dimethyl-, et...	144	C8H16O2	054004-42-1	27
5	1,3-Dioxolane, 2-methyl-2-pentyl-	158	C9H18O2	004352-95-8	22





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Operator : SJ/JU
Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

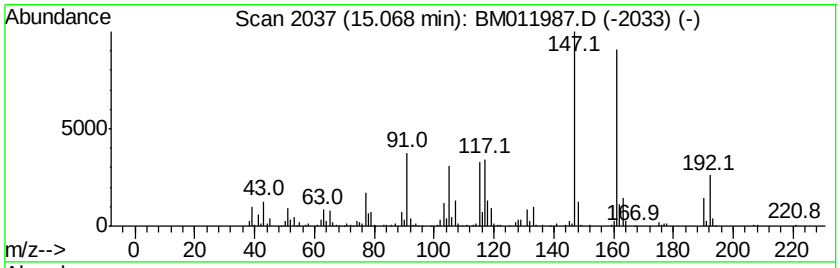
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

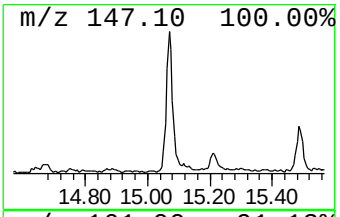
****

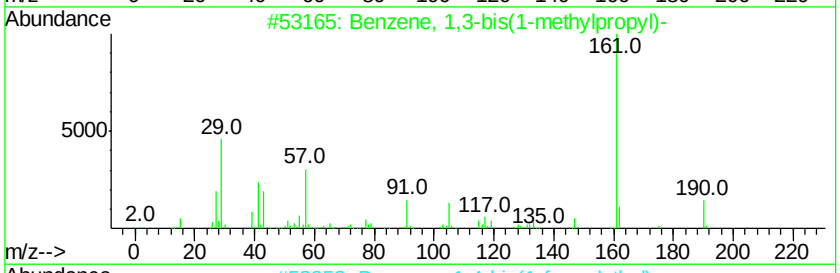
Peak Number 2 unknown-01 Concentration Rank 4

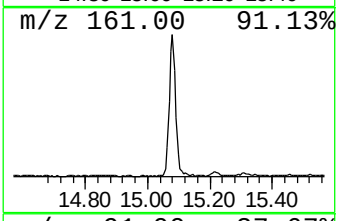
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	4.13 ng/ul	524553	Acenaphthene-d10	14.50

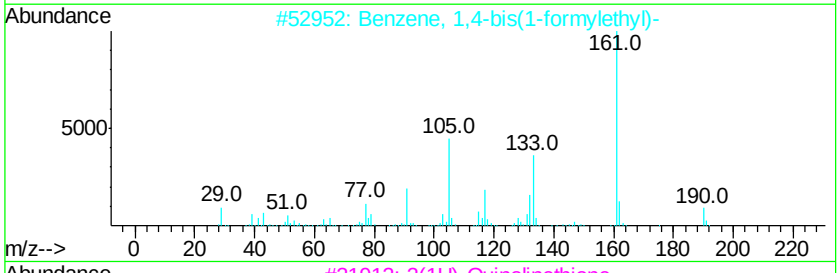
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1-methylpropyl)-	190	C14H22	001079-96-5	46
2	Benzene, 1,4-bis(1-formylethyl)-	190	C12H14O2	1000160-94-8	43
3	2(1H)-Quinolinethione	161	C9H7NS	002637-37-8	43
4	6-Amino-3H-quinazolin-4-one	161	C8H7N3O	1000318-14-4	38
5	2-(3-Thienyl)pyridine	161	C9H7NS	021298-55-5	38

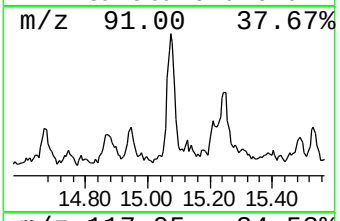


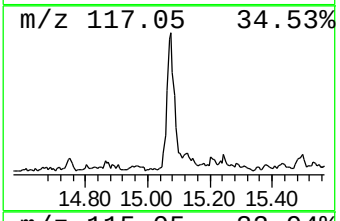


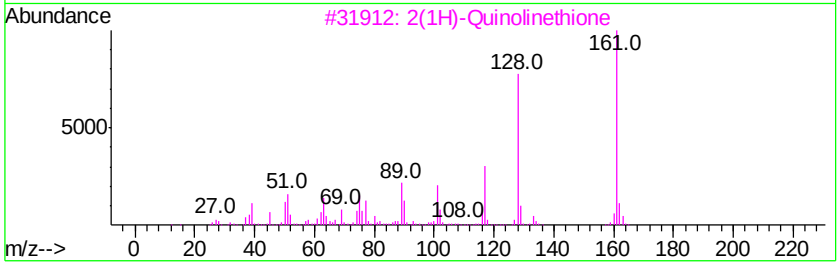


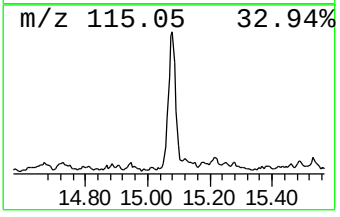












Library Search Compound Report

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Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

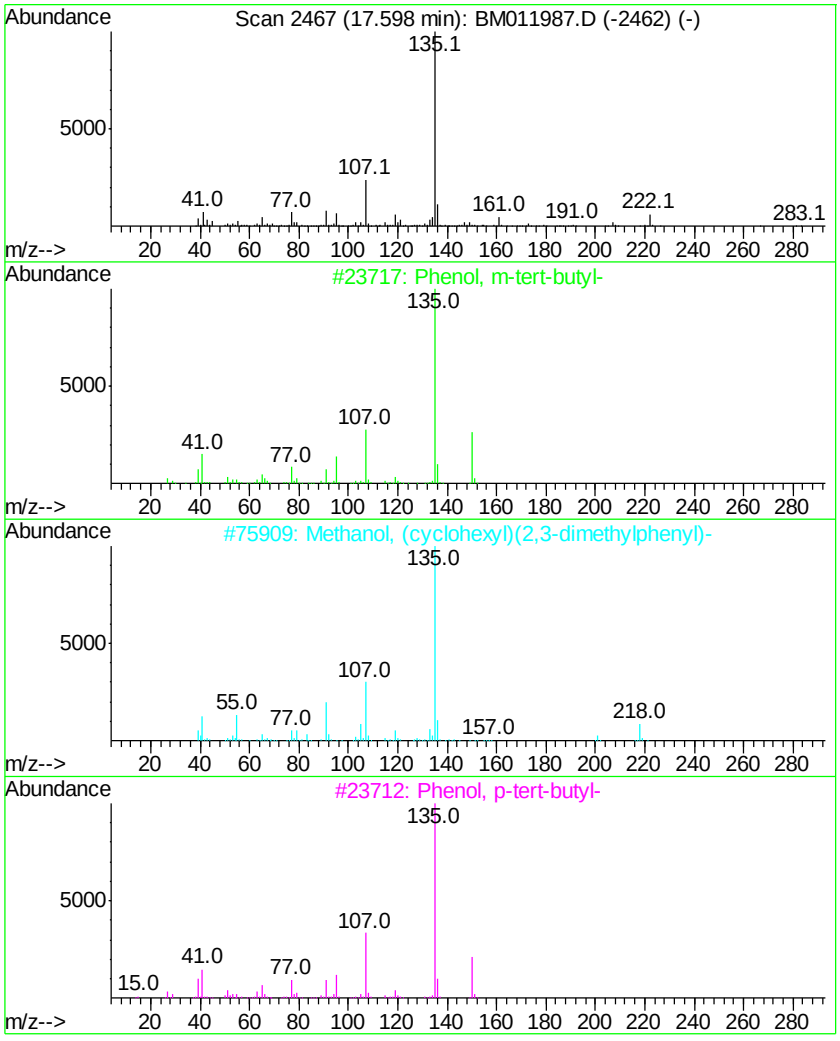
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

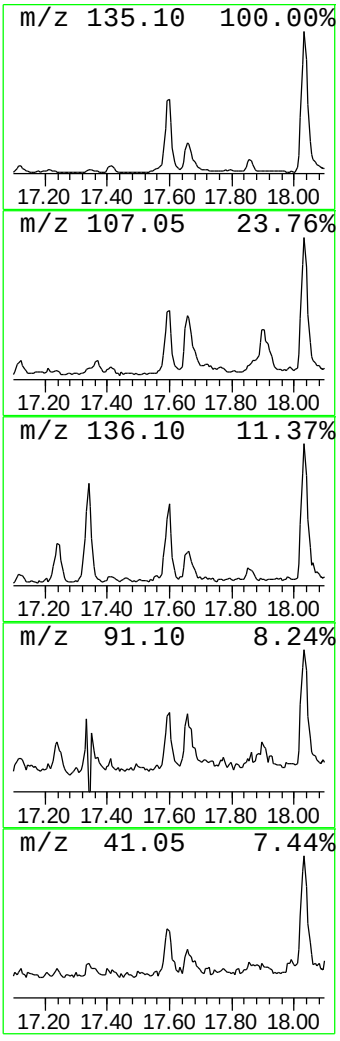
****

Peak Number 3 Phenol, m-tert-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	2.71 ng/ul	443936	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	72
2	Methanol, (cyclohexyl)(2,3-dimet...	218	C15H22O	349498-47-1	72
3	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	72
4	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72
5	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	59





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Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

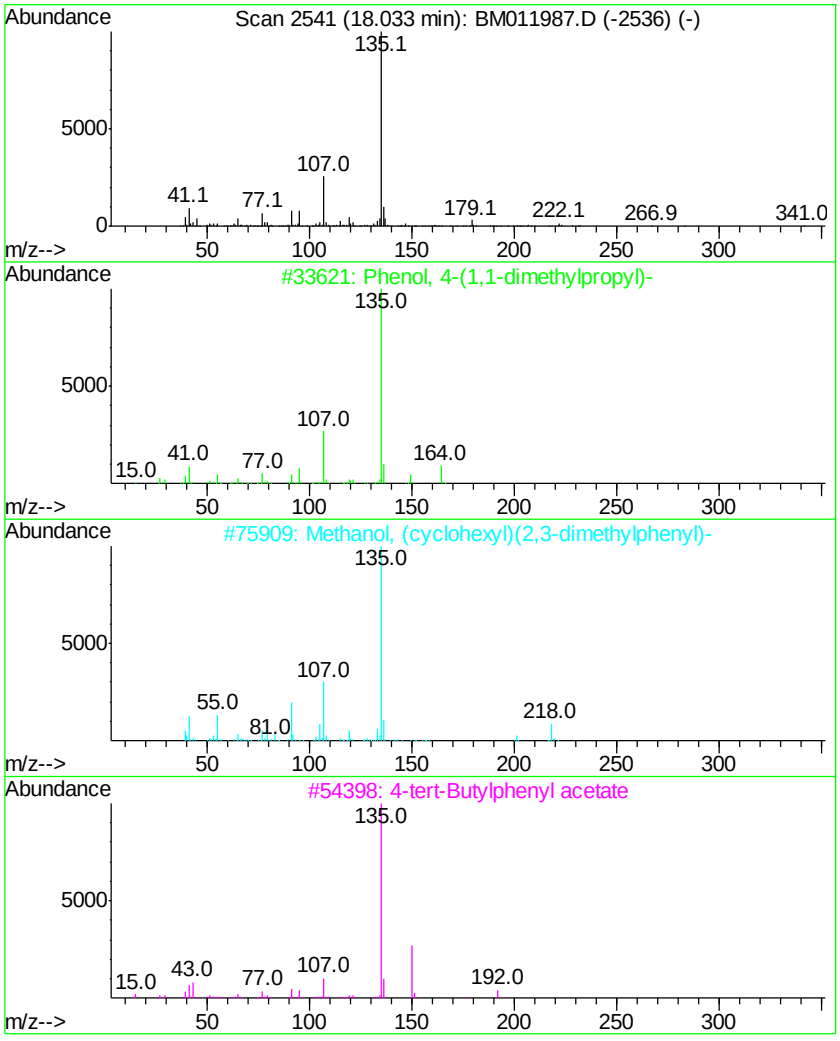
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

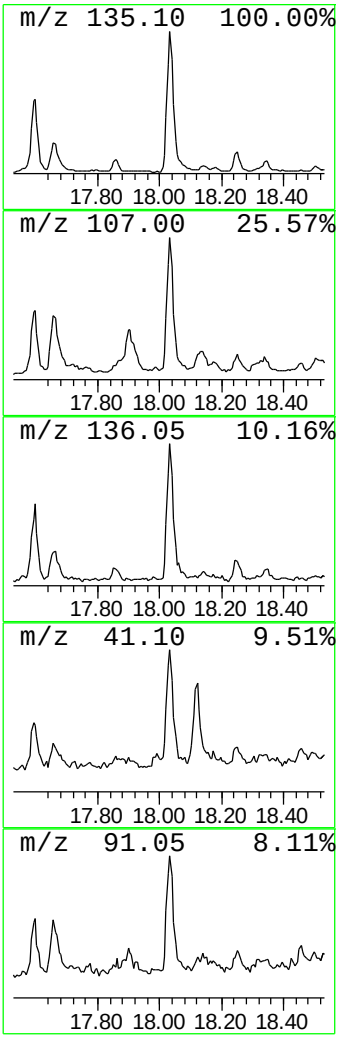
****

Peak Number 4 Phenol, 4-(1,1-dimethylprop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	4.95 ng/ul	810241	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
2	Methanol, (cyclohexyl)(2,3-dimet...	218	C15H22O	349498-47-1	72
3	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	64
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
5	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	64





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Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

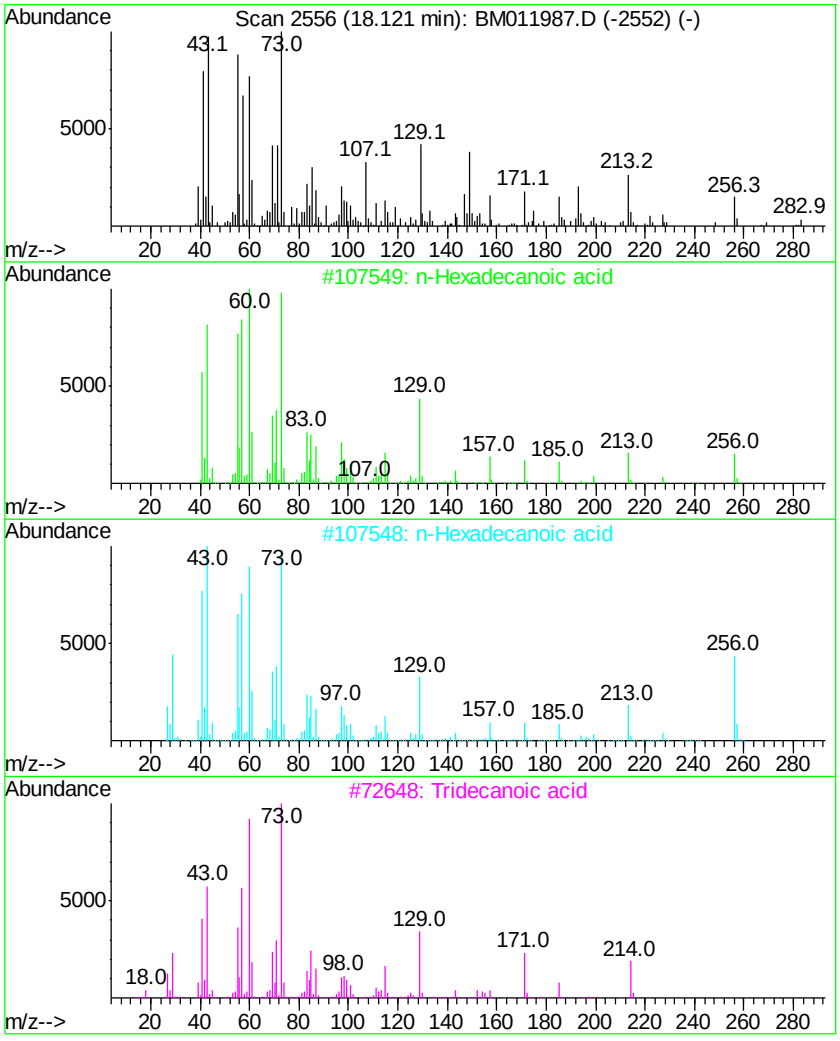
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

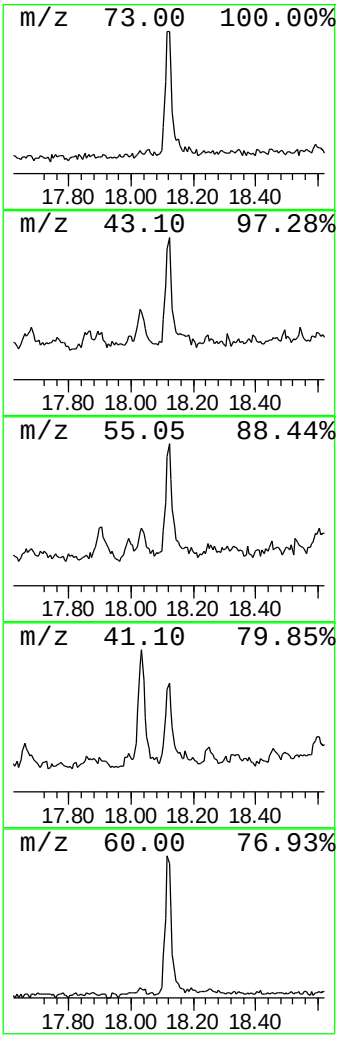
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.50 ng/ul	409364	Phenanthrene-d10	17.24

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	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	78
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	64





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Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

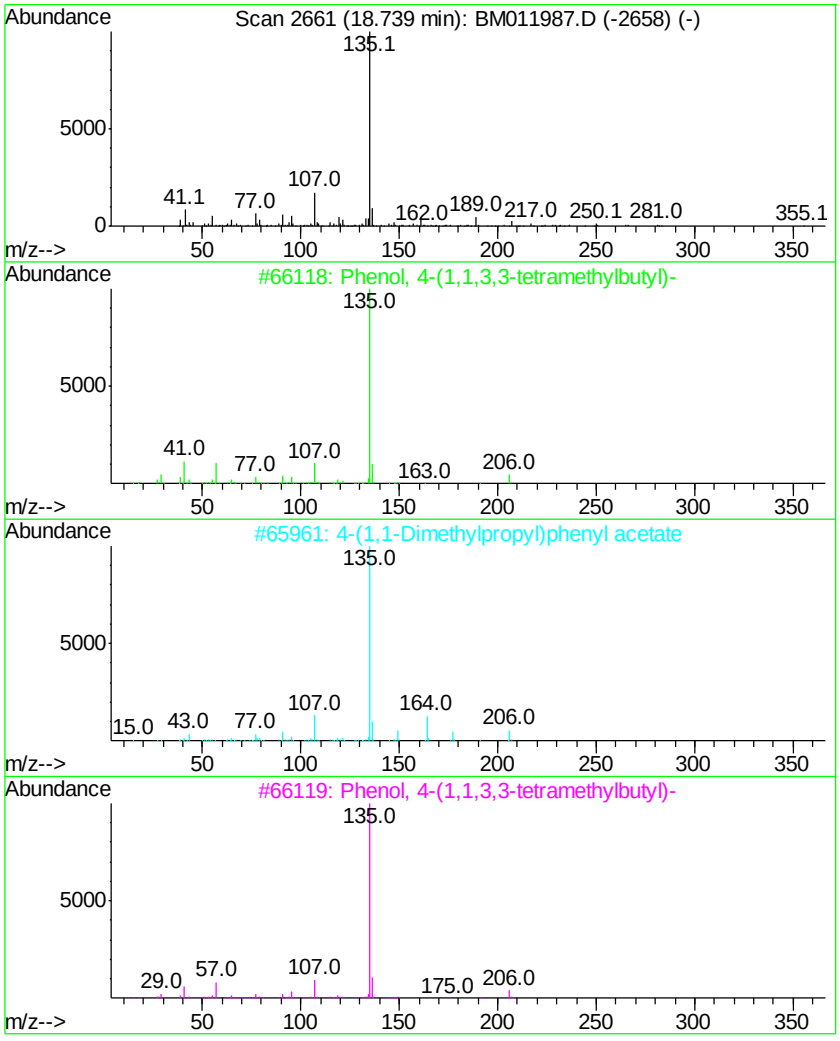
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

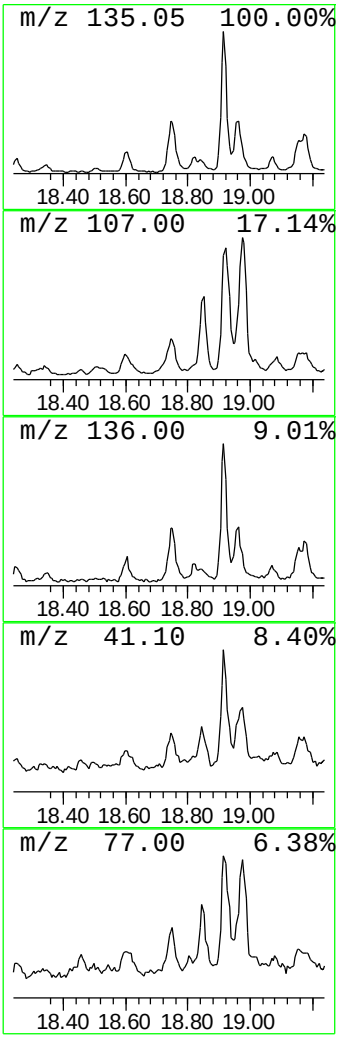
****

Peak Number 6 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	2.55 ng/ul	417237	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
2	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	78
3	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
4	Adamantane, 1-thiocyanatomethyl-	207	C12H17NS	1000304-65-8	64
5	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	64





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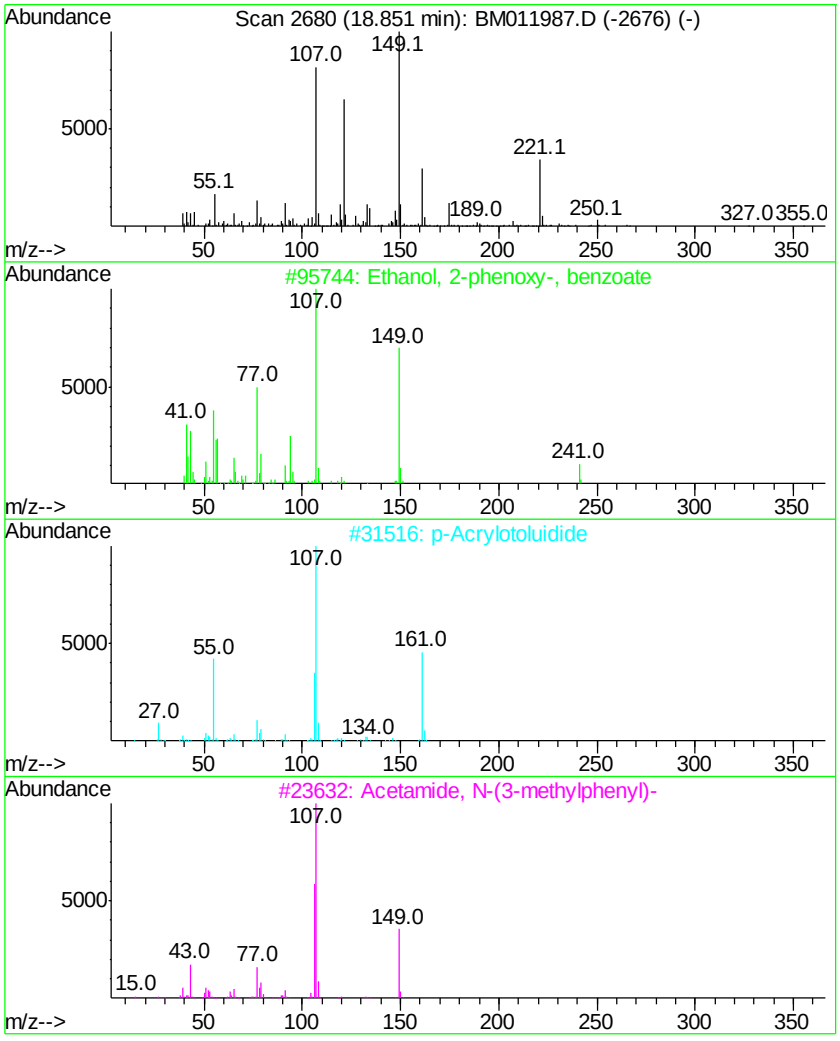
TIC Integration Parameters: LSCINT.P

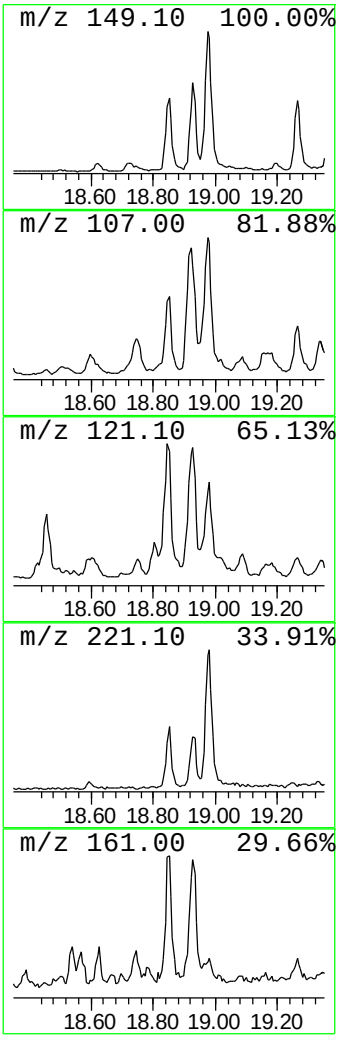
****

Peak Number 7 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	3.61 ng/ul	590097	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-phenoxy-, benzoate	242	C15H14O3	004173-59-5	38
2	p-Acrylotoluidide	161	C10H11NO	007766-36-1	30
3	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	30
4	1,3-Cyclohexadiene-1-carboxaldeh...	150	C10H14O	000116-26-7	27
5	3',4'-Formoxylidide	149	C9H11NO	006639-60-7	27





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011987.D
Acq On : 08 Oct 2017 21:23
Operator : SJ/JU
Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

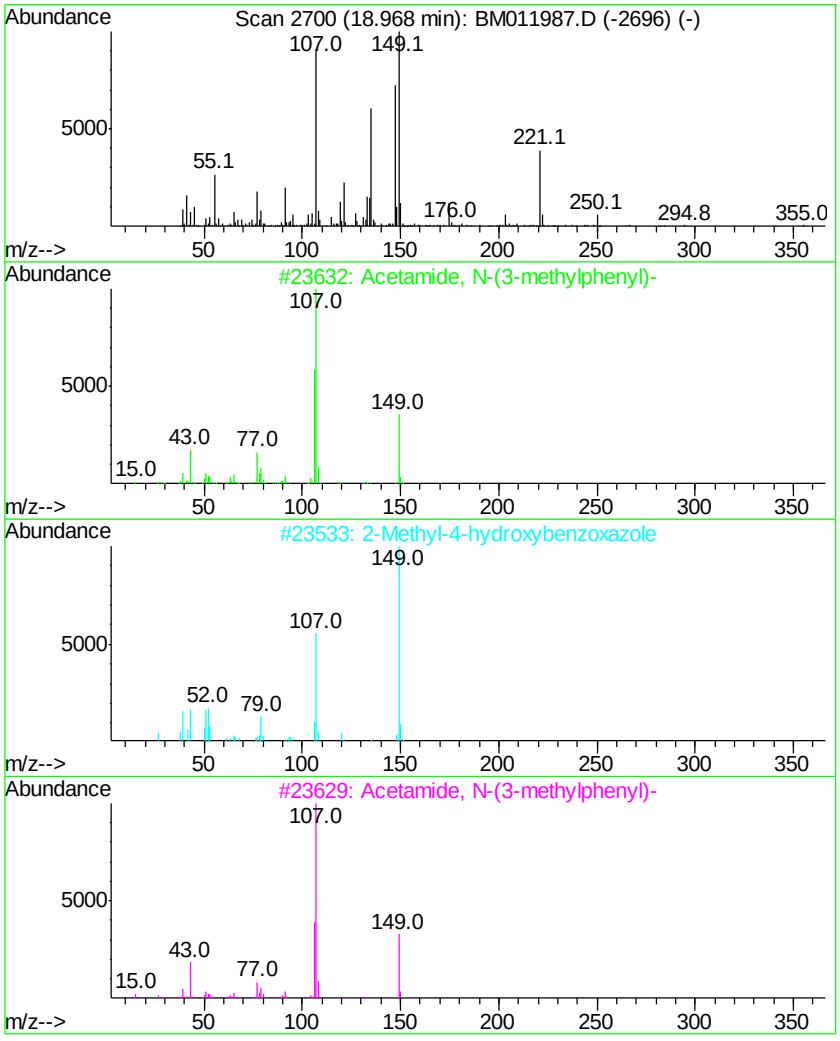
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

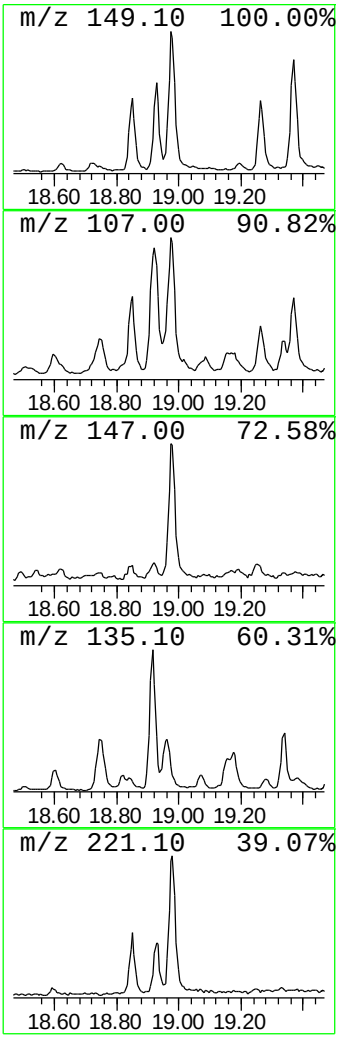
****

Peak Number 9 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	7.74 ng/ul	1265800	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	49
2	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	46
3	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	43
4	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	35
5	3',4'-Formoxylidide	149	C9H11NO	006639-60-7	18





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011987.D
Acq On : 08 Oct 2017 21:23
Operator : SJ/JU
Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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

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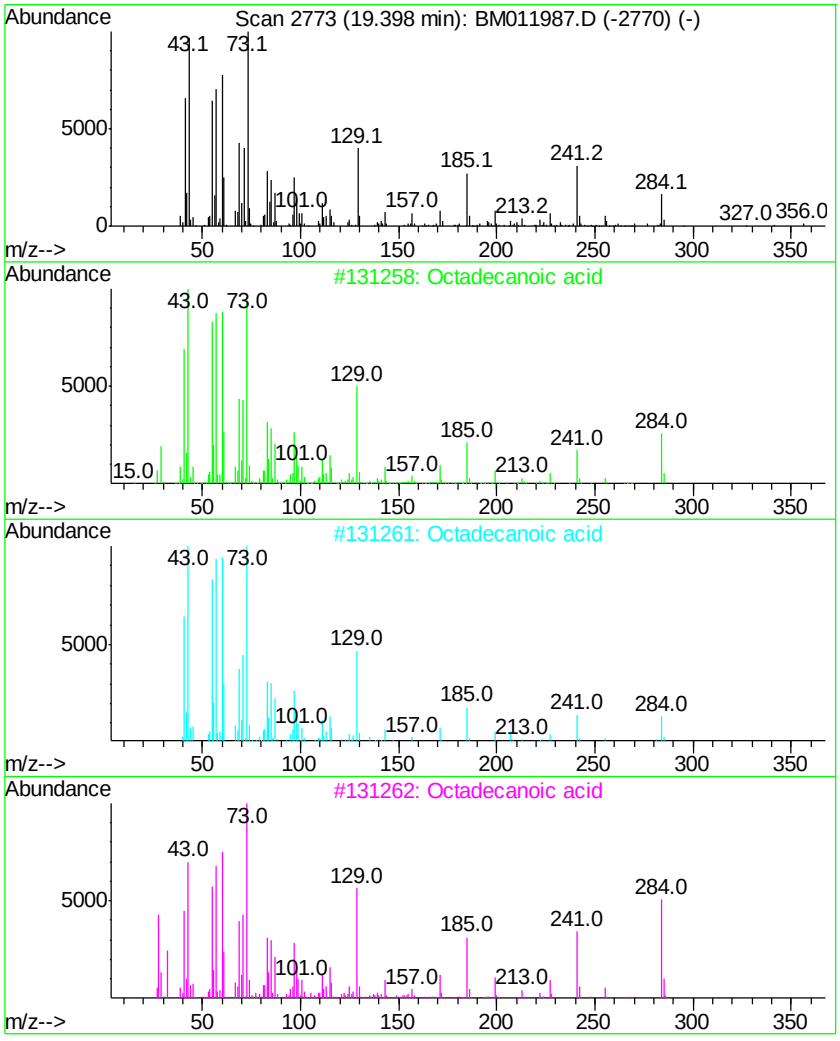
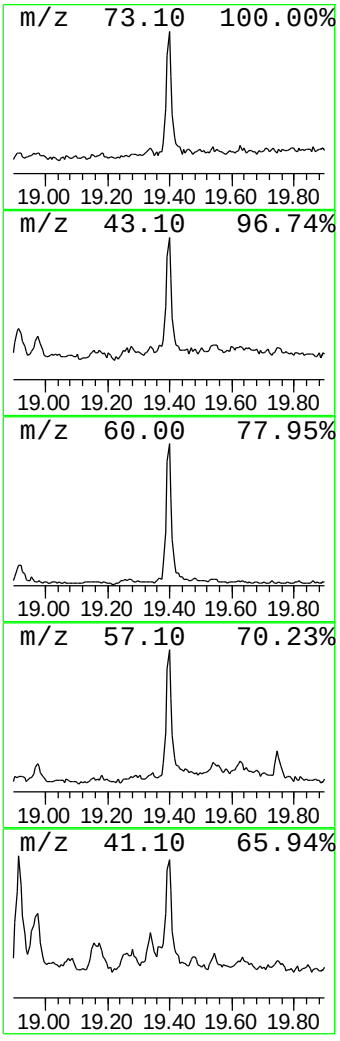
Peak Number 11 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	3.11 ng/ul	656473	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	99
5	Octadecanoic acid	284	C18H36O2	000057-11-4	98





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100817\
Data File : BM011987.D
Acq On : 08 Oct 2017 21:23
Operator : SJ/JU
Sample : I5722-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-55

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.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
Hexanoic acid, 2-...	11.22	2.5	ng/ul	228665	2	10.66	1826410	20.0
unknown-01	15.07	4.1	ng/ul	524553	3	14.50	2540220	20.0
Phenol, m-tert-bu...	17.60	2.7	ng/ul	443936	4	17.24	3272830	20.0
Phenol, 4-(1,1-di...	18.03	5.0	ng/ul	810241	4	17.24	3272830	20.0
n-Hexadecanoic acid	18.12	2.5	ng/ul	409364	4	17.24	3272830	20.0
Phenol, 4-(1,1,3,...	18.74	2.5	ng/ul	417237	4	17.24	3272830	20.0
unknown-02	18.85	3.6	ng/ul	590097	4	17.24	3272830	20.0
unknown-03	18.97	7.7	ng/ul	1265800	4	17.24	3272830	20.0
Octadecanoic acid	19.40	3.1	ng/ul	656473	5	21.42	4222960	20.0