LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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	6.963	653	659	671	rVB2	226785	520849	8.19%	1.049%
2	7.122	680	686	694	rVB	209564	342162	5.38%	0.689%
3	7.322	713	720	728	rVB	282244	490419	7.71%	0.988%
4	7.740	786	791	793	rBV	53842	75386	1.18%	0.152%
5	7.787	793	799	813	rVB	871287	1532756	24.09%	3.088%
6	8.275	876	882	889	rBV4	58765	111949	1.76%	0.226%
7	8.422	902	907	911	rBV4	44467	79905	1.26%	0.161%
8	8.504	916	921	933	rVB	229117	445549	7.00%	0.898%
9	8.881	973	985	992	rBV	480603	782849	12.30%	1.577%
10	8.963	992	999	1014	rVB3	266972	579930	9.12%	1.168%
11	9.116	1020	1025	1035	rVB5	40230	88398	1.39%	0.178%
12	9.404	1069	1074	1080	rBV	428559	658327	10.35%	1.326%
13	9.675	1108	1120	1129	rBV4	199080	520101	8.17%	1.048%
14	9.775	1129	1137	1141	rVV6	53389	130147	2.05%	0.262%
15	9.828	1141	1146	1157	rVB2	129591	271572	4.27%	0.547%
16	9.981	1163	1172	1178	rBV2	456440	815262	12.81%	1.642%
17	10.045	1178	1183	1188	rVB	76349	123541	1.94%	0.249%
18	10.157	1194	1202	1207	rBV3	80412	184972	2.91%	0.373%
19	10.222	1207	1213	1219	rVV2	261893	542580	8.53%	1.093%
20	10.275	1219	1222	1231	rVB	154553	255387	4.01%	0.514%
21	10.586	1262	1275	1289	rBV	922431	2073416	32.59%	4.177%
22	10.739	1295	1301	1306	rBV	172391	340033	5.34%	0.685%
23	10.792	1306	1310	1317	rVB	98075	176806	2.78%	0.356%
24	11.916	1495	1501	1506	rBV	46429	84681	1.33%	0.171%
25	13.033	1686	1691	1697	rVB	98835	162823	2.56%	0.328%
26	13.627	1782	1792	1797	rBV7	25831	65356	1.03%	0.132%
27	13.845	1820	1829	1834	rBV	653434	990234	15.56%	1.995%
28	13.898	1834	1838	1844	rVB	254515	382364	6.01%	0.770%
29	14.133	1871	1878	1888	rBV	735565	1154848	18.15%	2.326%
30	14.251	1895	1898	1903	rBV3	43128	71328	1.12%	0.144%
31	14.321	1903	1910	1918	rVB5	45796	132609	2.08%	0.267%
32	14.439	1924	1930	1938	rVB2	1510991	2304305	36.22%	4.642%
33	14.686	1968	1972	1980	rBV5	64182	144648	2.27%	0.291%
34	15.216	2057	2062	2063	rBV3	85735	102276	1.61%	0.206%

LSC Area Percent Report

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Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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	15.257	2064	2069	2076	rVB	4114136	5245339	82.44%	10.566%
36	15.433	2094	2099	2105	rBV	955834	1439795	22.63%	2.900%
37	15.586	2121	2125	2131	rBV	144636	227244	3.57%	0.458%
38	15.674	2136	2140	2148	rVB	102093	168943	2.66%	0.340%
39	15.804	2158	2162	2166	rBV	84130	105760	1.66%	0.213%
40	16.151	2215	2221	2226	rBV3	275522	500218	7.86%	1.008%
41	16.974	2356	2361	2366	rBV	229184	373923	5.88%	0.753%
42	17.186	2392	2397	2404	rBV	2027097	3006244	47.25%	6.056%
43	17.286	2410	2414	2420	rVB2	1009347	1466777	23.05%	2.955%
44	18.068	2543	2547	2551	rBV	347219	436947	6.87%	0.880%
45	18.921	2686	2692	2693	rBV5	296319	670630	10.54%	1.351%
46	19.292	2751	2755	2760	rBV	871969	1051097	16.52%	2.117%
47	19.586	2801	2805	2809	rBV	1541871	2023449	31.80%	4.076%
48	20.498	2956	2960	2965	rBV	2278128	2296441	36.09%	4.626%
49	21.027	3047	3050	3052	rBV3	717149	992611	15.60%	1.999%
50	21.262	3083	3090	3099	rVB	3841859	6362308	100.00%	12.816%
51	21.374	3105	3109	3113	rVB	2986681	3850557	60.52%	7.756%
52	23.674	3495	3500	3515	rVB2	1282783	2687032	42.23%	5.413%

Sum of corrected areas: 49643083

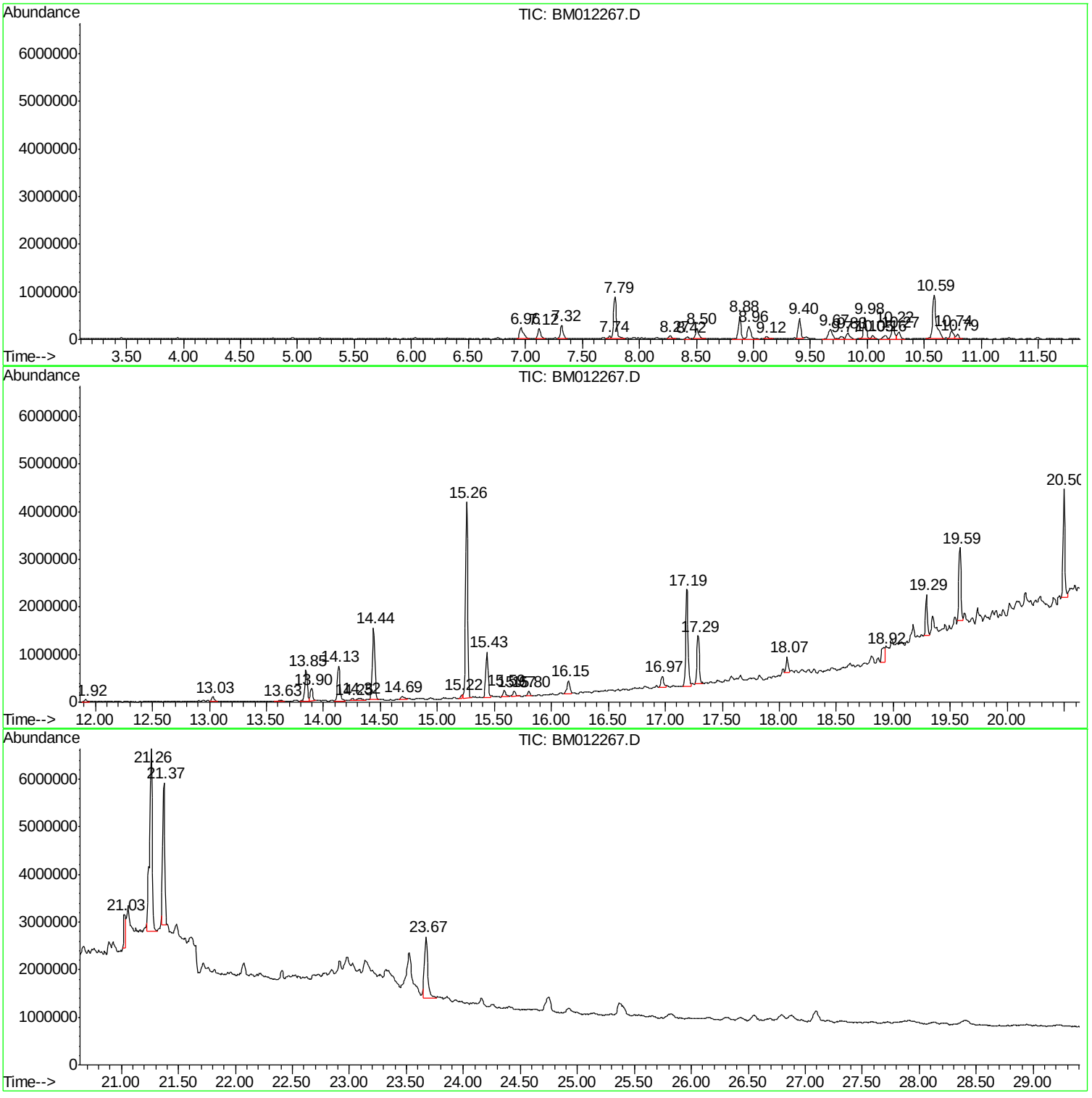
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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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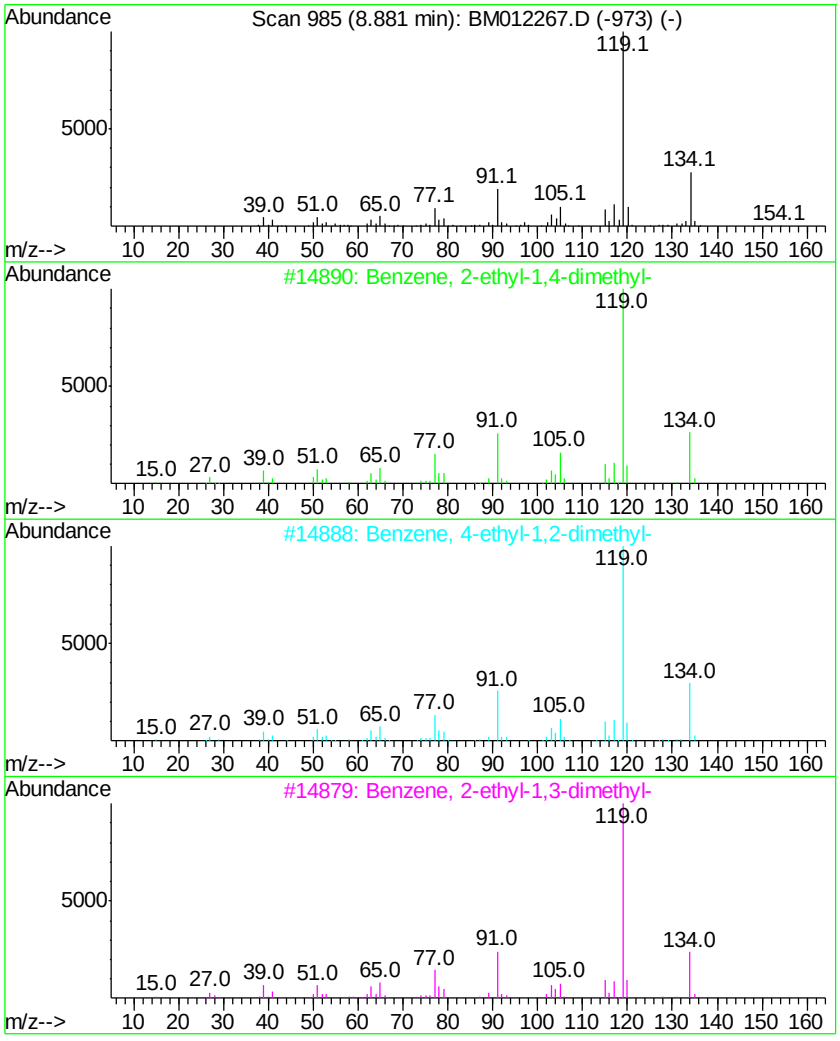
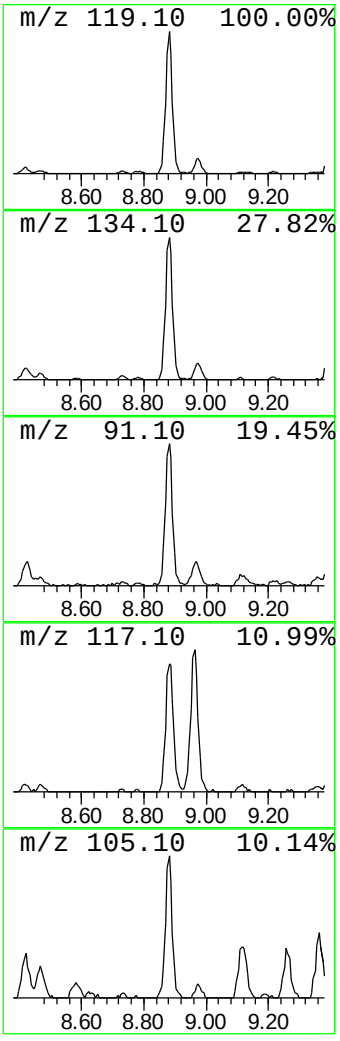
Peak Number 1 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	10.21 ng/ul	782849	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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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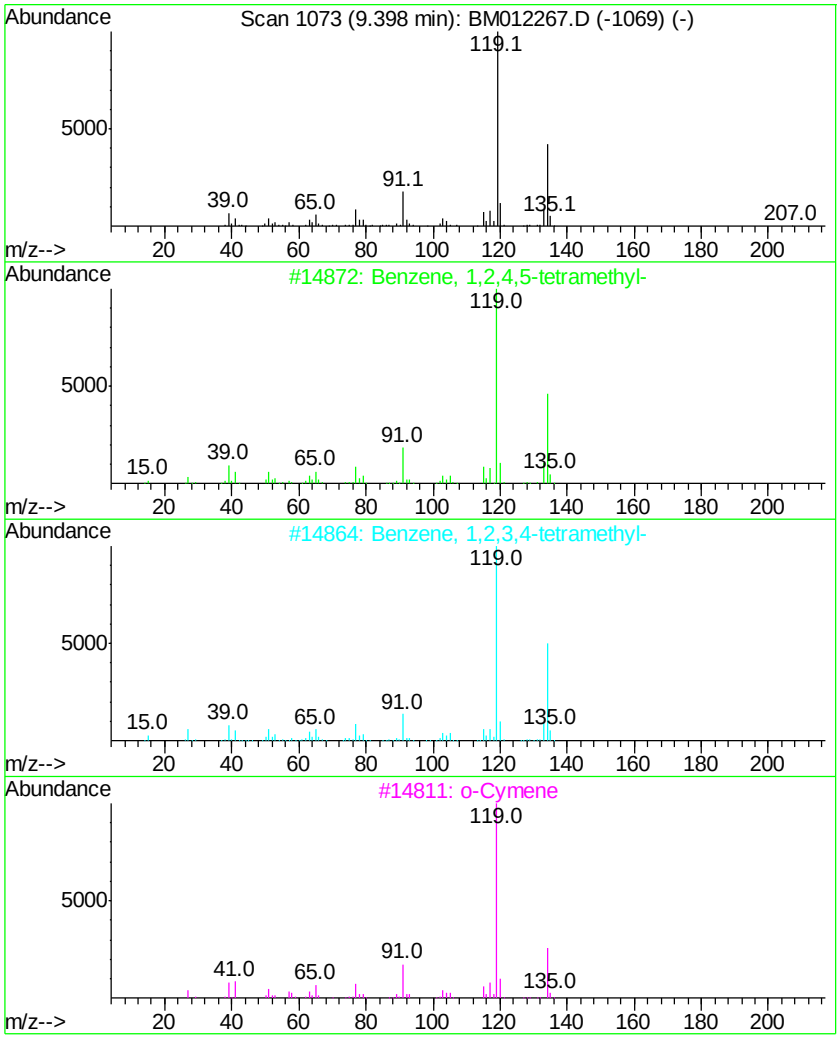
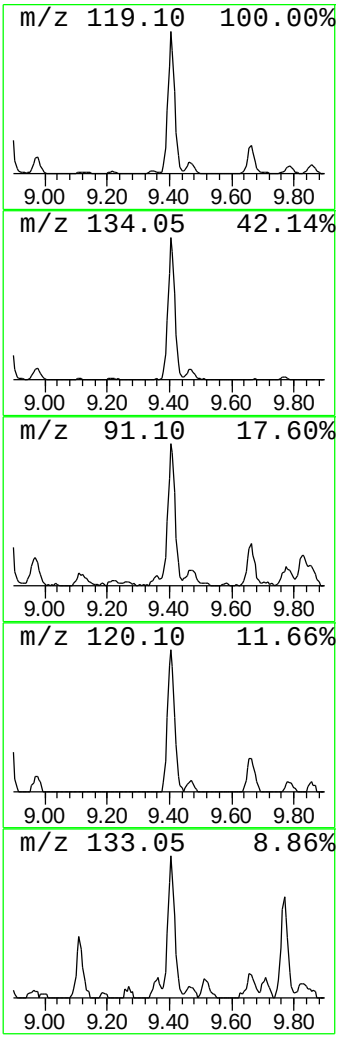
Peak Number 2 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	6.35 ng/ul	658327	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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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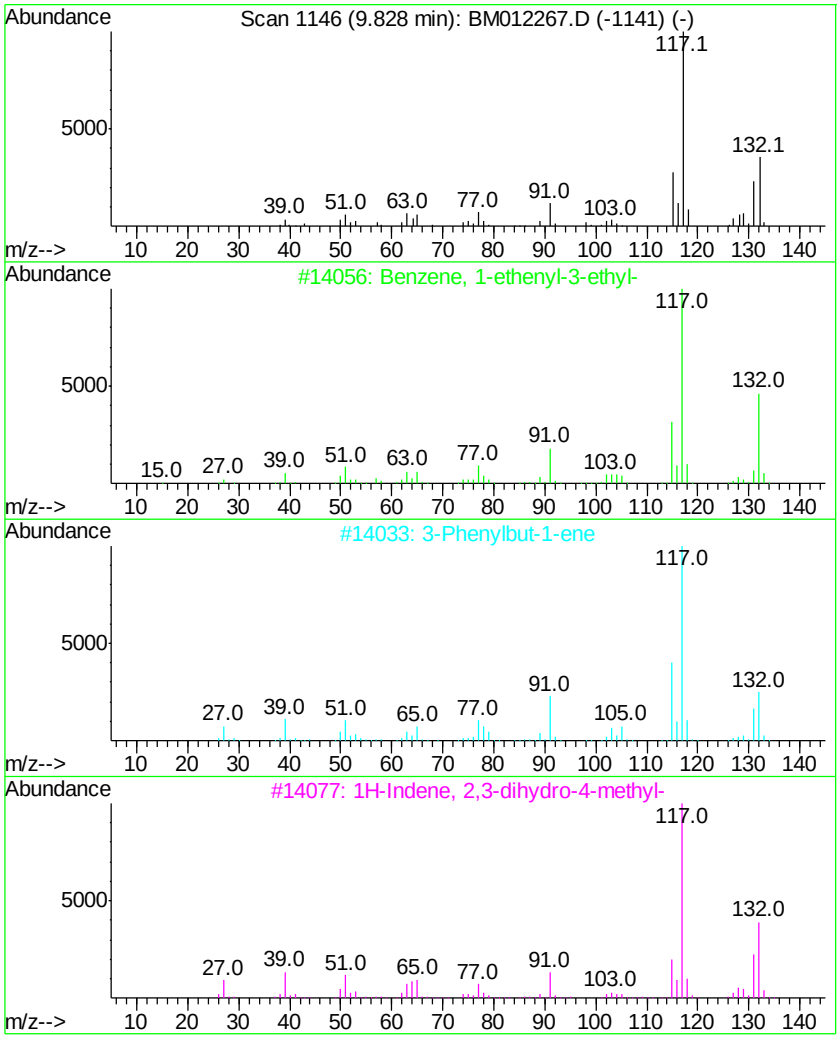
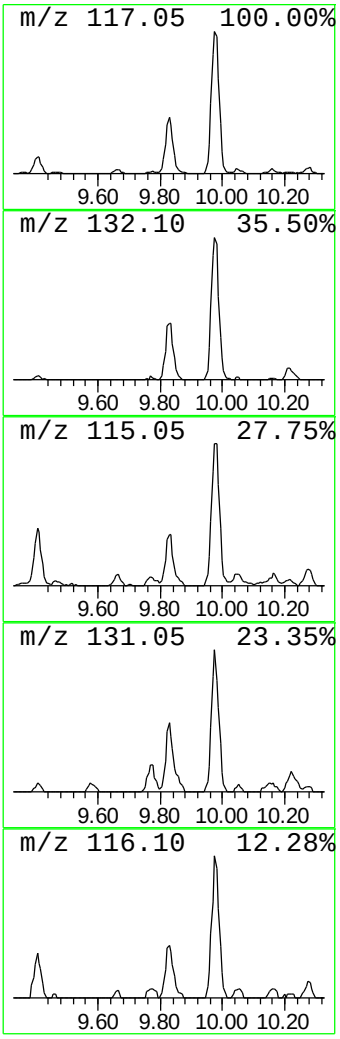
Peak Number 3 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.62 ng/ul	271572	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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

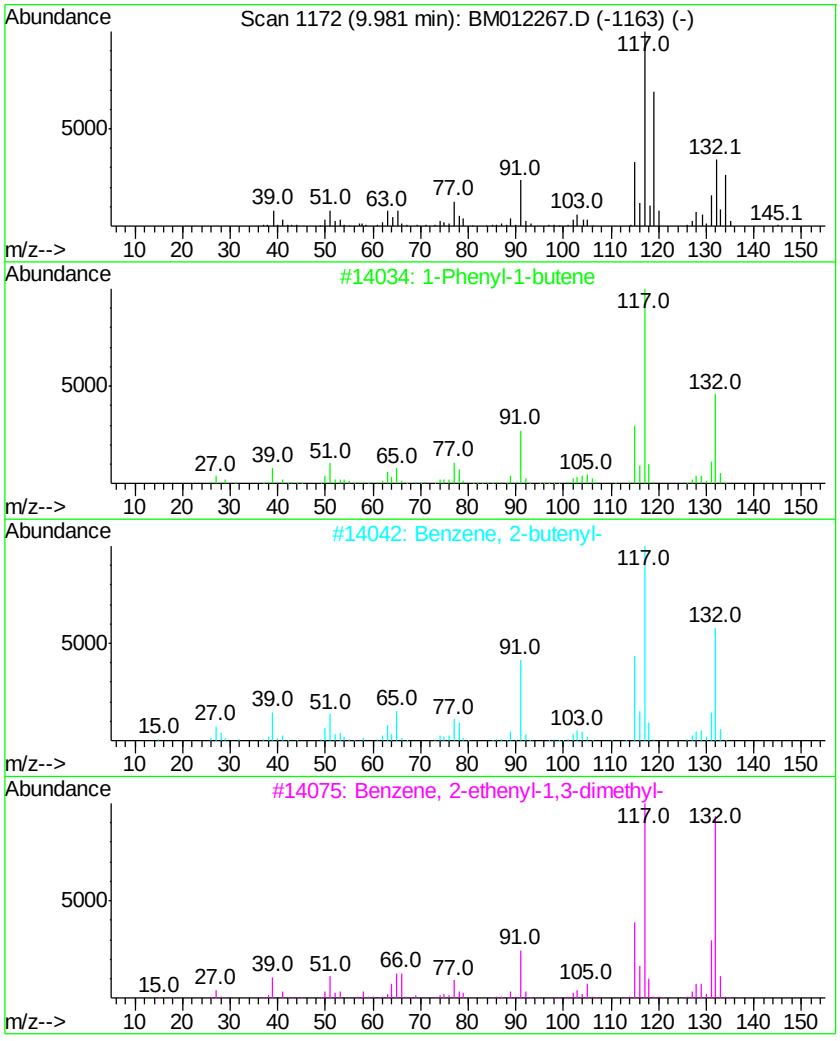
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

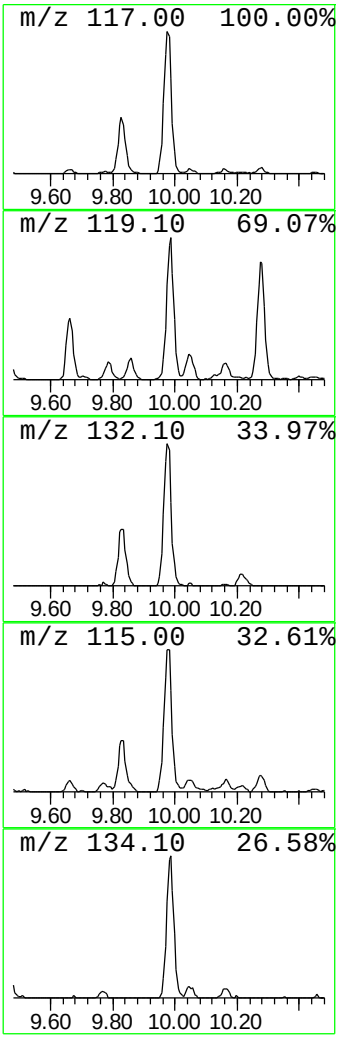
****

Peak Number 4 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	7.86 ng/ul	815262	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	96
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	86
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70





Library Search Compound Report

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Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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

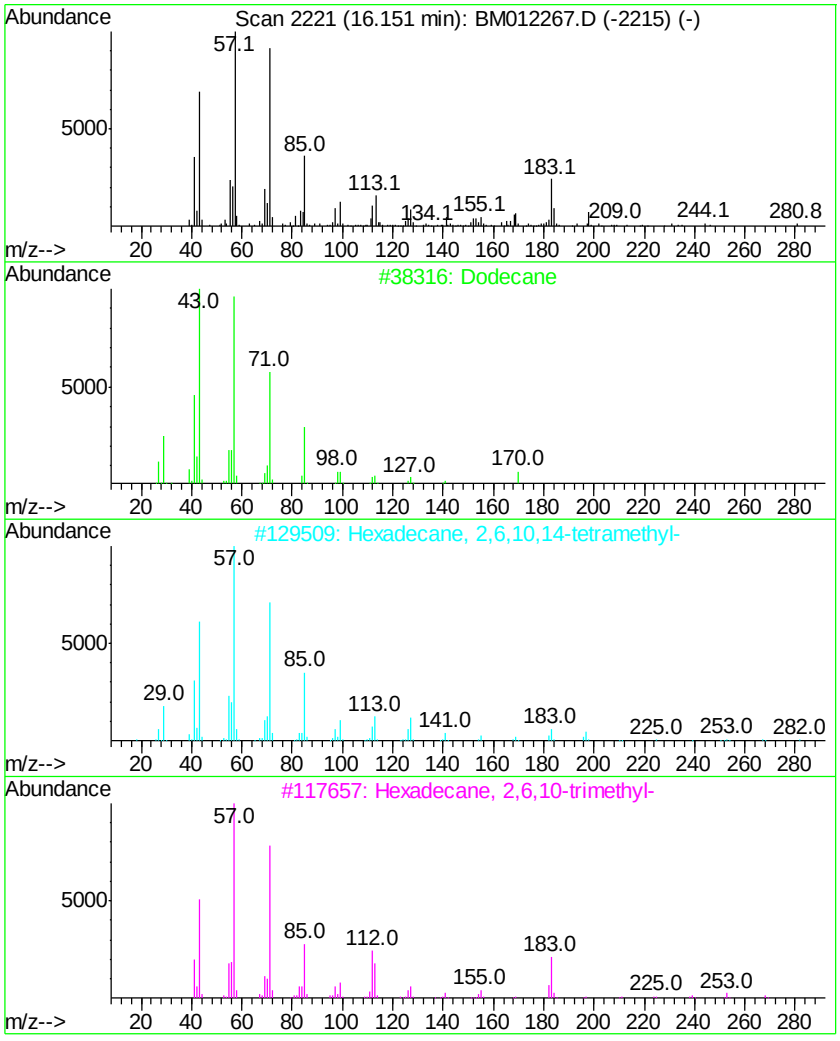
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

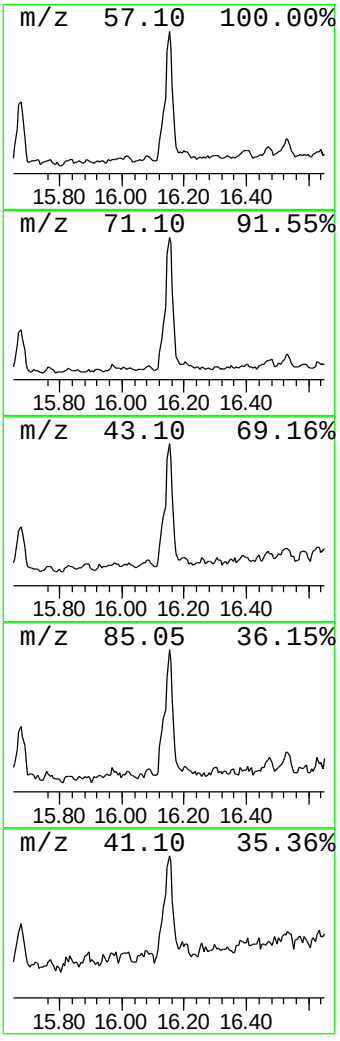
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	3.33 ng/ul	500218	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	89
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	80
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

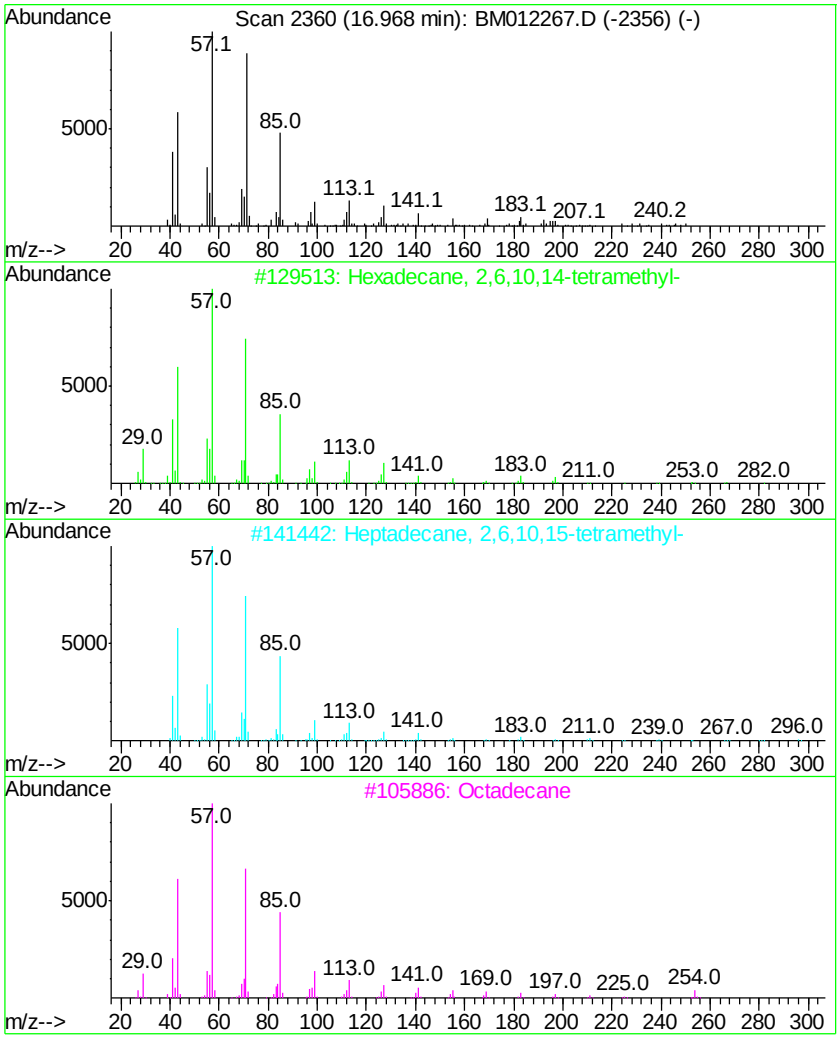
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

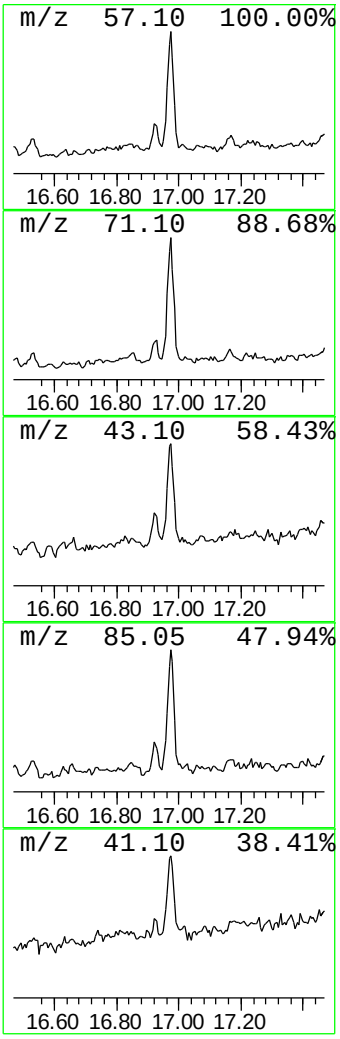
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	2.49 ng/ul	373923	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3	Octadecane	254	C18H38	000593-45-3	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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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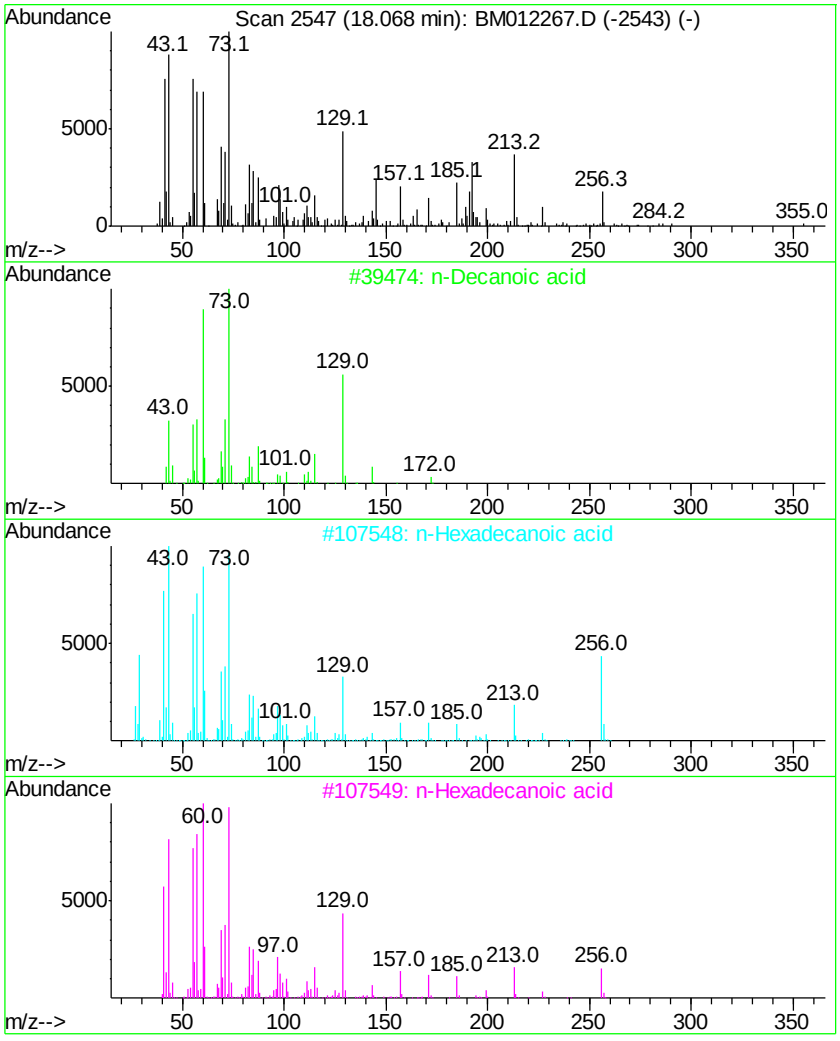
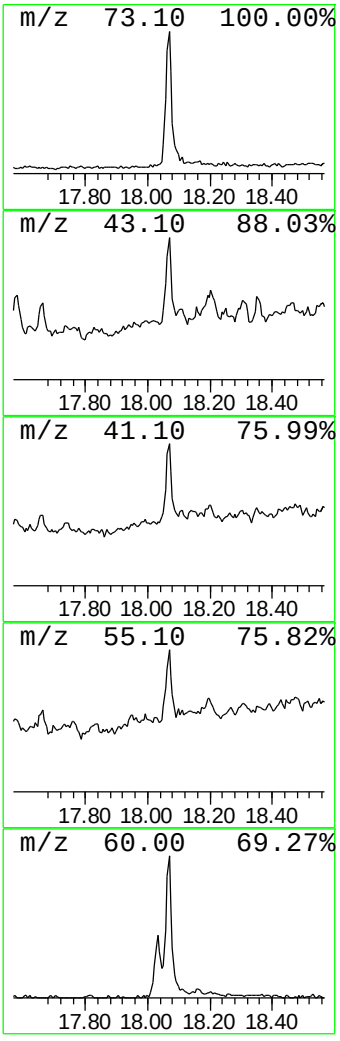
Peak Number 7 n-Decanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.91 ng/ul	436947	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	83
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	78
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
4	Octadecanoic acid	284	C18H36O2	000057-11-4	60
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	55





Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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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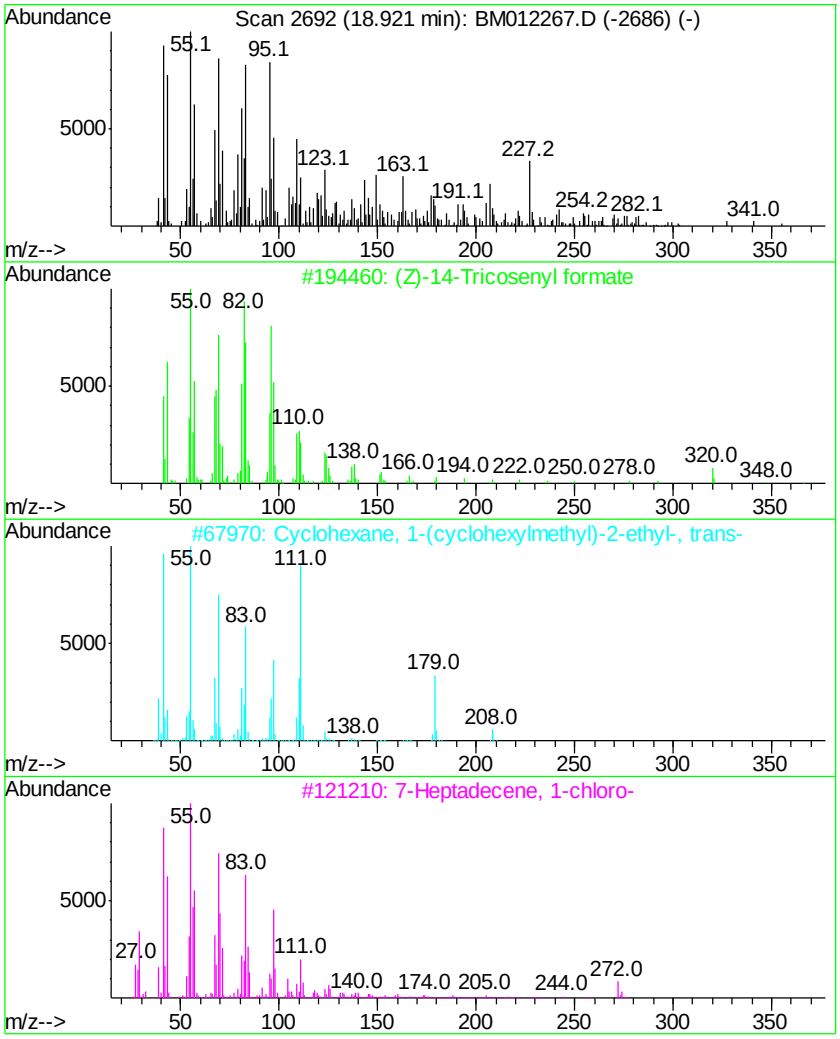
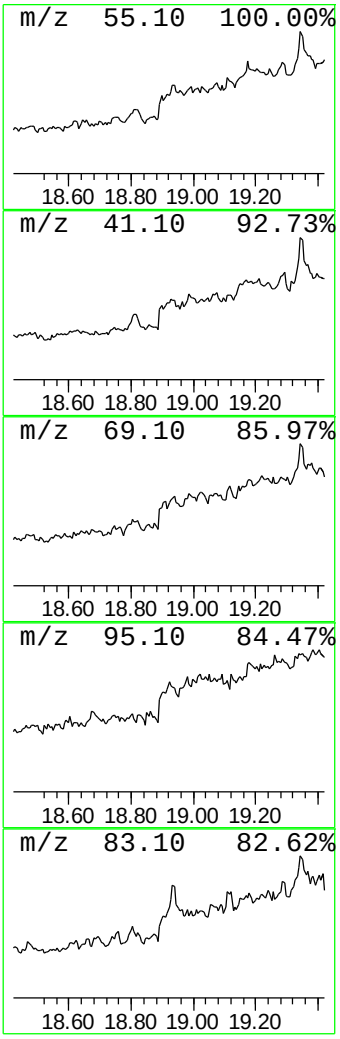
Peak Number 8 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	4.46 ng/ul	670630	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	46
2	Cyclohexane, 1-(cyclohexylmethyl...	208	C15H28	054934-92-8	46
3	7-Heptadecene, 1-chloro-	272	C17H33Cl	056554-78-0	45
4	Cyclopropane, 1-(1,2-dimethylpro...	252	C18H36	041977-42-8	45
5	9-Octadecene, (E)-	252	C18H36	007206-25-9	41





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Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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

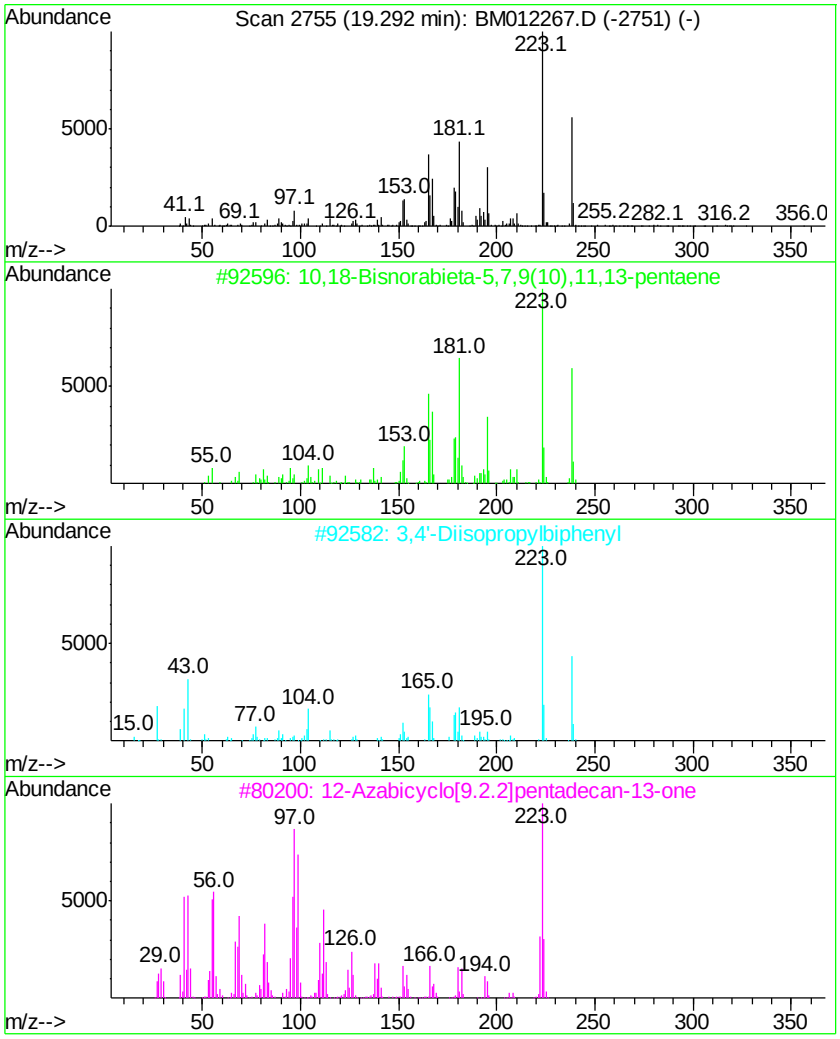
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

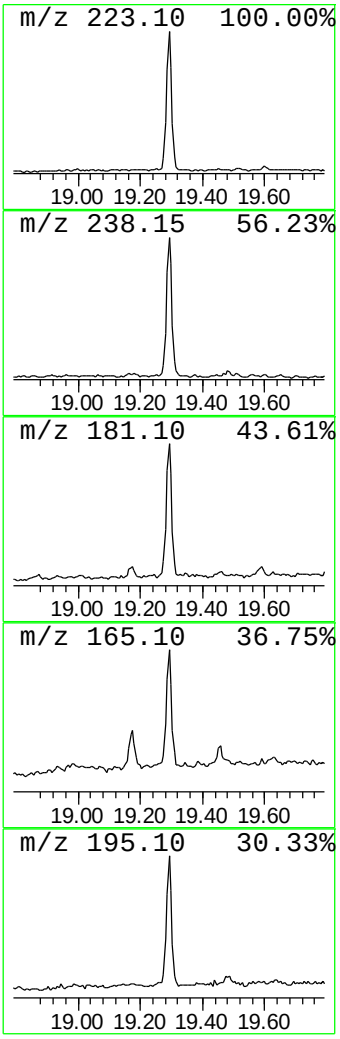
****

Peak Number 9 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	5.46 ng/ul	1051100	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	62
3	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	60
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60
5	Anthraquinone, 2-amino-	223	C14H9NO2	000117-79-3	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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

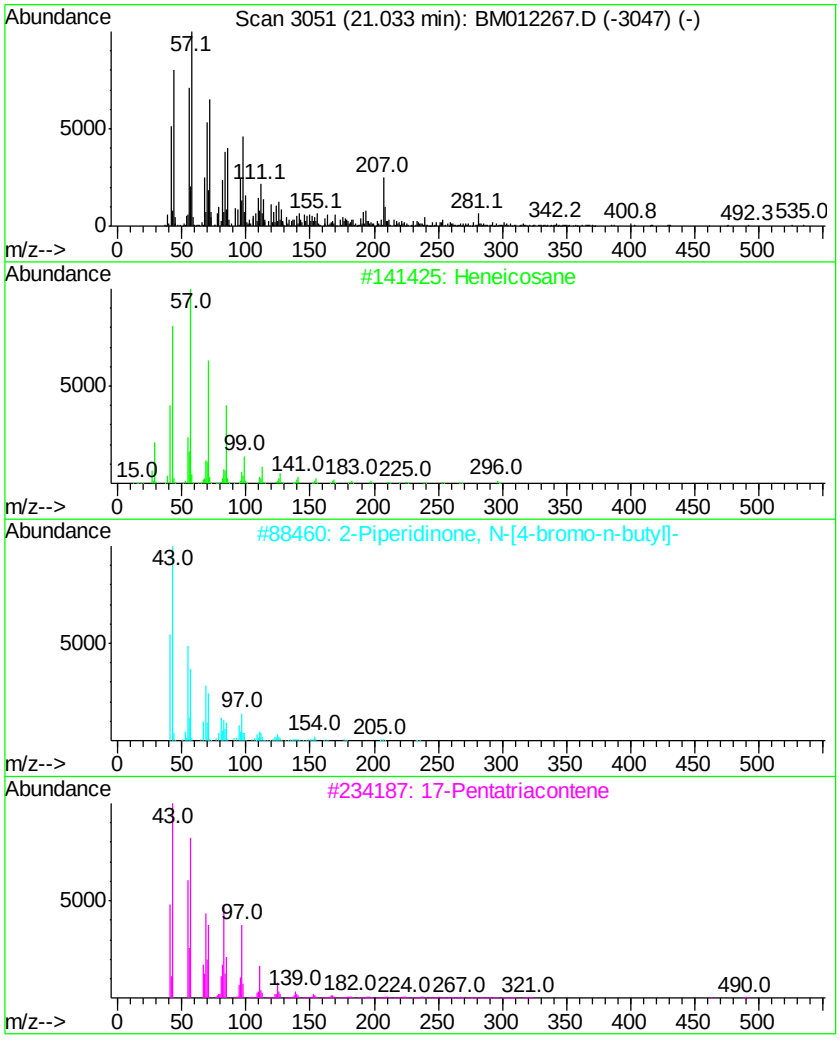
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

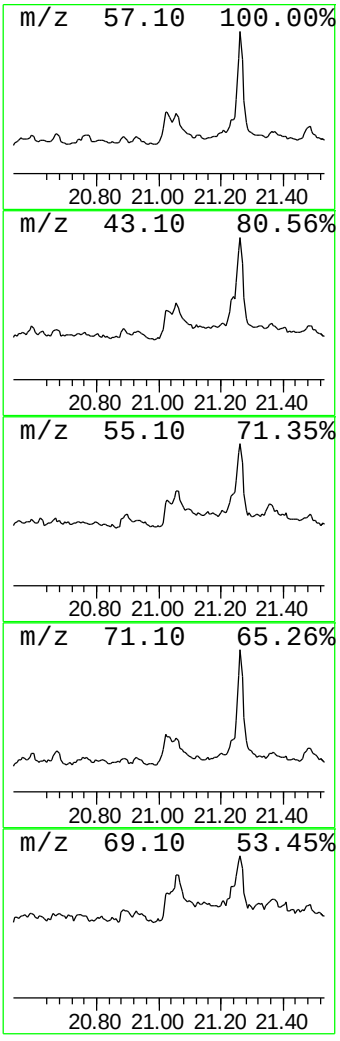
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	5.16 ng/ul	992611	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	70
3	17-Pentatriacontene	491	C35H70	006971-40-0	58
4	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	53
5	Tetratriacontane	479	C34H70	014167-59-0	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101717\
Data File : BM012267.D
Acq On : 18 Oct 2017 02:22
Operator : SJ/JU
Sample : I5664-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B64

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
Benzene, 2-ethyl-...	8.88	10.2	ng/ul	782849	1	7.79	1532760	20.0
Benzene, 1,2,4,5-...	9.40	6.3	ng/ul	658327	2	10.59	2073420	20.0
Benzene, 1-etheny...	9.83	2.6	ng/ul	271572	2	10.59	2073420	20.0
1-Phenyl-1-butene	9.98	7.9	ng/ul	815262	2	10.59	2073420	20.0
(DEL) Alkane: Str...	16.15	3.3	ng/ul	500218	4	17.19	3006240	20.0
(DEL) Alkane: Str...	16.97	2.5	ng/ul	373923	4	17.19	3006240	20.0
n-Decanoic acid	18.07	2.9	ng/ul	436947	4	17.19	3006240	20.0
unknown-01	18.92	4.5	ng/ul	670630	4	17.19	3006240	20.0
10,18-Bisnorabiet...	19.29	5.5	ng/ul	1051100	5	21.37	3850560	20.0
(DEL) Alkane: Str...	21.03	5.2	ng/ul	992611	5	21.37	3850560	20.0