LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112217\
Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

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-BM111617.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	6.410	555	565	571	rVB	413236	622394	2.04%	0.593%
2	6.887	640	646	658	rVB	582376	1004497	3.29%	0.958%
3	7.052	663	674	686	rBV	482677	784138	2.57%	0.748%
4	7.187	686	697	702	rBV	1352601	2056668	6.74%	1.961%
5	7.246	702	707	714	rVB	628047	961865	3.15%	0.917%
6	7.569	753	762	768	rBV	20518243	30508193	100.00%	29.088%
7	7.710	780	786	797	rBV	848630	1389243	4.55%	1.325%
8	7.851	803	810	816	rBV	1999837	3062509	10.04%	2.920%
9	7.928	816	823	828	rVV3	470172	935512	3.07%	0.892%
10	7.987	828	833	845	rVB	2138981	3242772	10.63%	3.092%
11	8.416	901	906	915	rVB	500508	815285	2.67%	0.777%
12	8.863	972	982	988	rBV	631274	1043053	3.42%	0.994%
13	8.957	990	998	1005	rVB	309000	480581	1.58%	0.458%
14	9.581	1096	1104	1110	rBV	524382	850519	2.79%	0.811%
15	10.116	1188	1195	1204	rBV	774799	1262430	4.14%	1.204%
16	10.493	1249	1259	1267	rBV	1186486	1988768	6.52%	1.896%
17	10.704	1289	1295	1301	rVB	211567	326138	1.07%	0.311%
18	10.851	1312	1320	1330	rBV	449713	809994	2.66%	0.772%
19	11.828	1475	1486	1498	rBV6	224622	523510	1.72%	0.499%
20	12.457	1585	1593	1598	rBV	1029105	1588789	5.21%	1.515%
21	12.510	1598	1602	1608	rVB	238047	337446	1.11%	0.322%
22	12.698	1628	1634	1641	rVB	996647	1491944	4.89%	1.422%
23	12.804	1641	1652	1661	rVB	993507	1505144	4.93%	1.435%
24	13.228	1719	1724	1733	rVB2	1369730	1908532	6.26%	1.820%
25	13.675	1793	1800	1807	rBV	1261501	1846111	6.05%	1.760%
26	13.763	1810	1815	1820	rBV	1425722	2059781	6.75%	1.964%
27	14.039	1856	1862	1872	rVB	1540114	2514544	8.24%	2.397%
28	14.198	1884	1889	1896	rBV3	434925	647668	2.12%	0.618%
29	14.351	1910	1915	1921	rVB2	1681770	2504149	8.21%	2.388%
30	14.422	1921	1927	1931	rBV	3461503	4725159	15.49%	4.505%
31	14.475	1931	1936	1941	rVV	2211324	2972186	9.74%	2.834%
32	14.563	1945	1951	1955	rBV	434473	641135	2.10%	0.611%
33	15.245	2057	2067	2076	rVB	1172328	1671860	5.48%	1.594%
34	15.345	2076	2084	2091	rBV	2056929	2833077	9.29%	2.701%

LSC Area Percent Report

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Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

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-BM111617.M
Title : SVOA CALIBRATION

35	15.463	2098	2104	2114	rVB	477404	668248	2.19%	0.637%
36	15.804	2157	2162	2167	rBV	458030	573013	1.88%	0.546%
37	17.098	2371	2382	2388	rBV2	2175559	3039629	9.96%	2.898%
38	17.198	2392	2399	2405	rBV	1995152	2864400	9.39%	2.731%
39	18.010	2531	2537	2554	rBV	1071450	1476241	4.84%	1.408%
40	19.145	2722	2730	2731	rBV2	284097	349424	1.15%	0.333%
41	19.168	2731	2734	2750	rVV2	706021	1169455	3.83%	1.115%
42	19.292	2750	2755	2768	rVV	615512	849385	2.78%	0.810%
43	19.492	2783	2789	2796	rBV	2006606	2804689	9.19%	2.674%
44	21.009	3042	3047	3056	rBV	396077	560766	1.84%	0.535%
45	21.280	3087	3093	3098	rBV	2119097	2650489	8.69%	2.527%
46	21.886	3191	3196	3203	rBV5	259545	515219	1.69%	0.491%
47	22.851	3356	3360	3364	rBV2	271538	418023	1.37%	0.399%
48	23.368	3442	3448	3454	rBV2	1083382	1864954	6.11%	1.778%
49	23.509	3465	3472	3479	rBV	1119419	2074703	6.80%	1.978%
50	24.068	3562	3567	3574	rVB3	200319	387281	1.27%	0.369%
51	26.556	3984	3990	4002	rVB10	237127	700952	2.30%	0.668%

Sum of corrected areas: 104882465

LSC Report - Integrated Chromatogram

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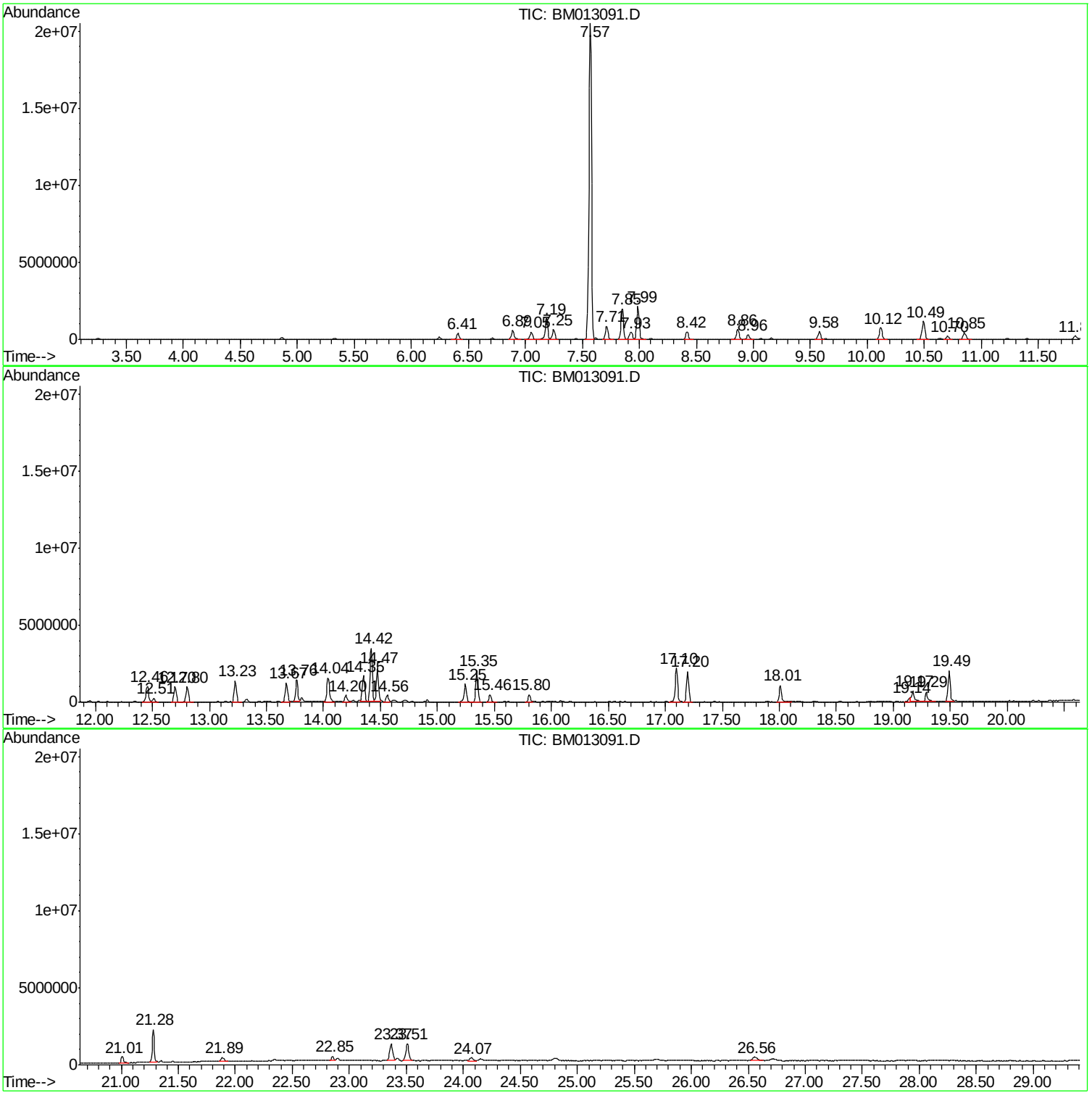
Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.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\BM112217\
Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

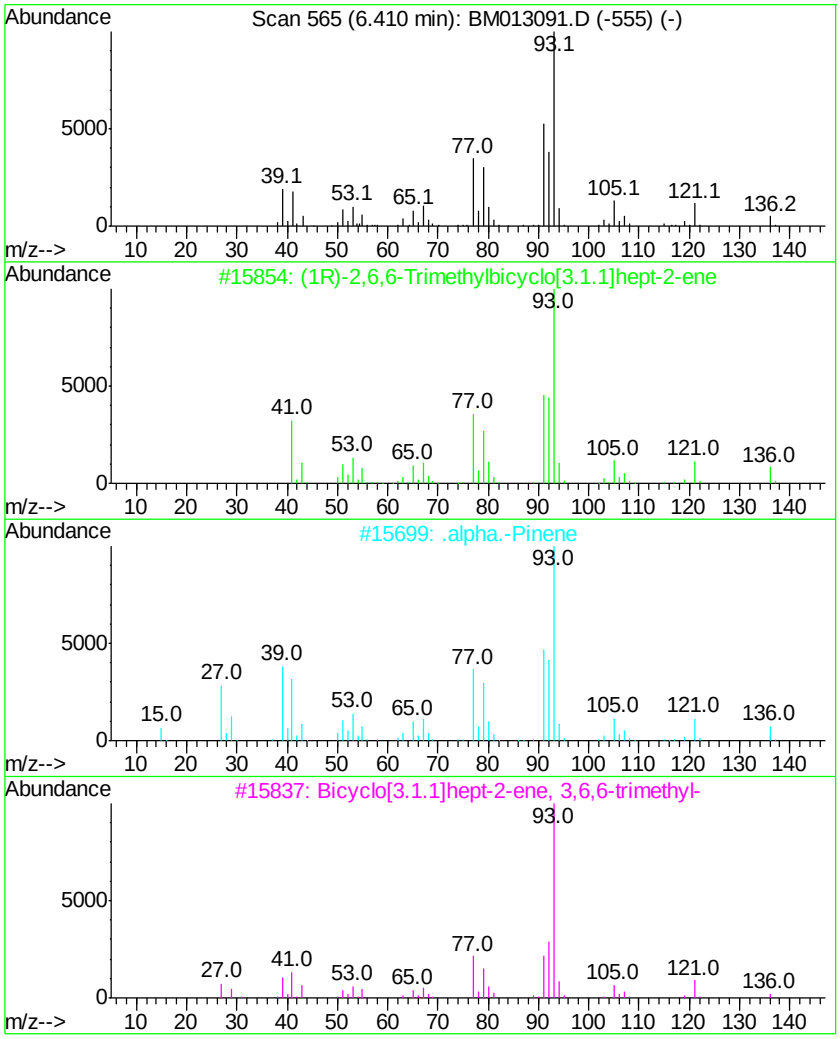
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

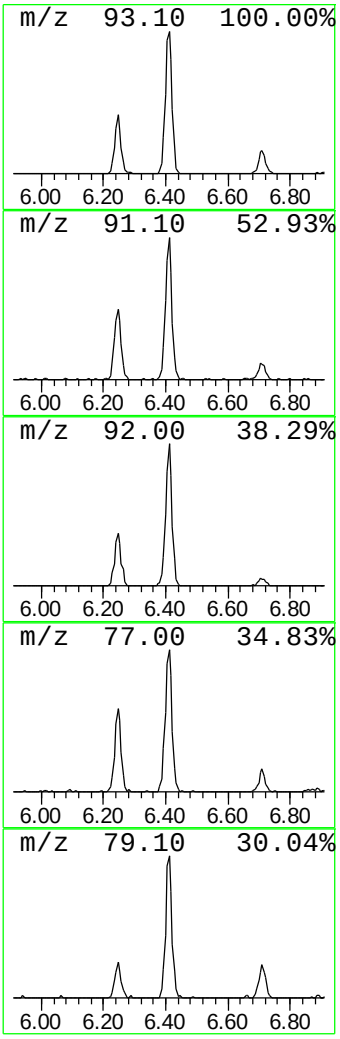
****

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	8.96 ng/ul	622394	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	96
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	91
5	4-Carene, (1S,3S,6R)-(-)-	136	C10H16	005208-50-4	91





Library Search Compound Report

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Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

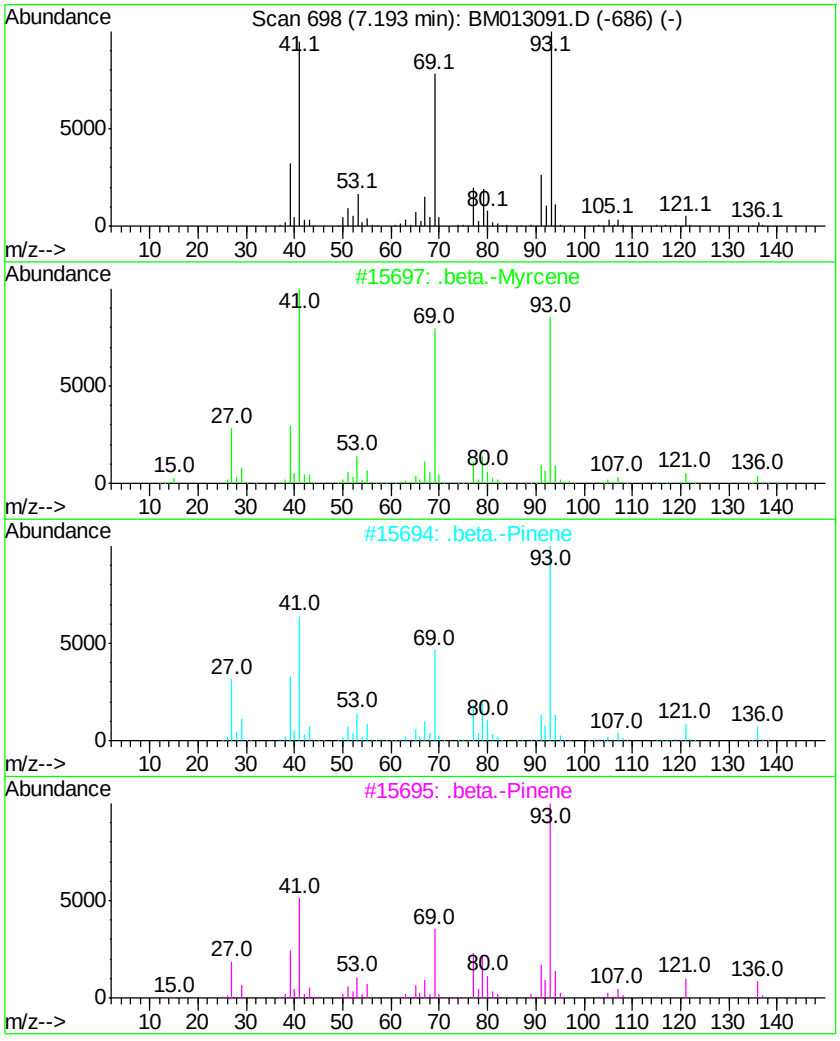
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

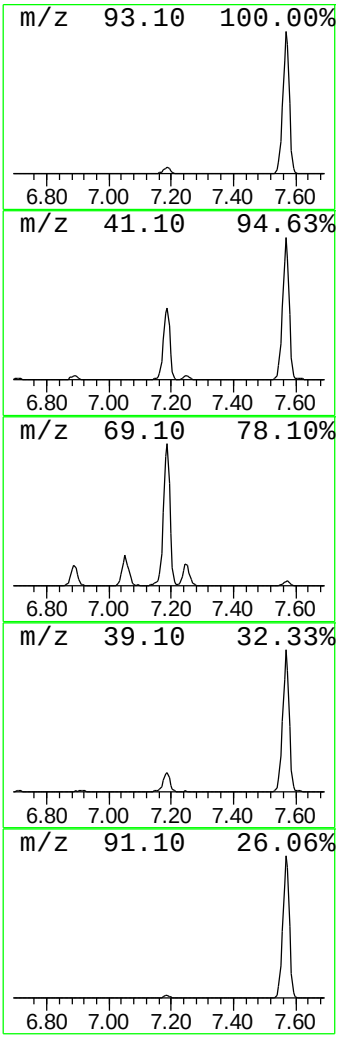
****

Peak Number 2 .beta.-Myrcene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	29.61 ng/ul	2056670	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Myrcene	136	C10H16	000123-35-3	91
2	.beta.-Pinene	136	C10H16	000127-91-3	53
3	.beta.-Pinene	136	C10H16	000127-91-3	53
4	.beta.-Phellandrene	136	C10H16	000555-10-2	43
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112217\
Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

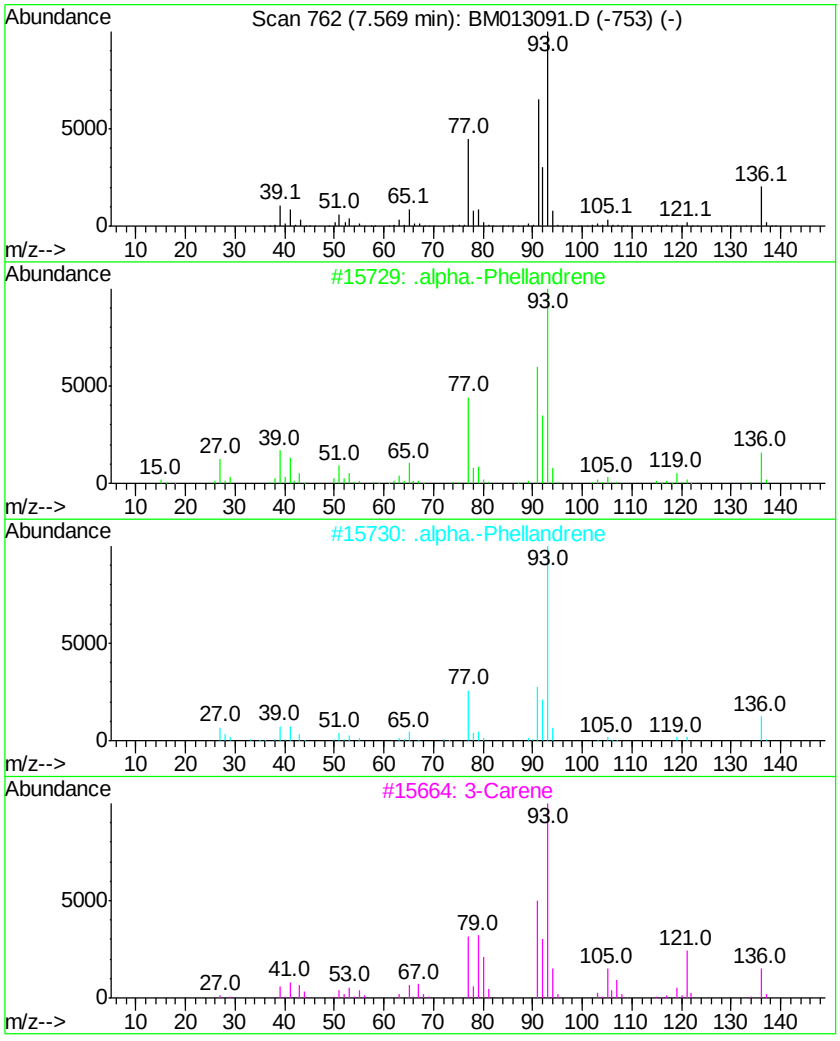
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

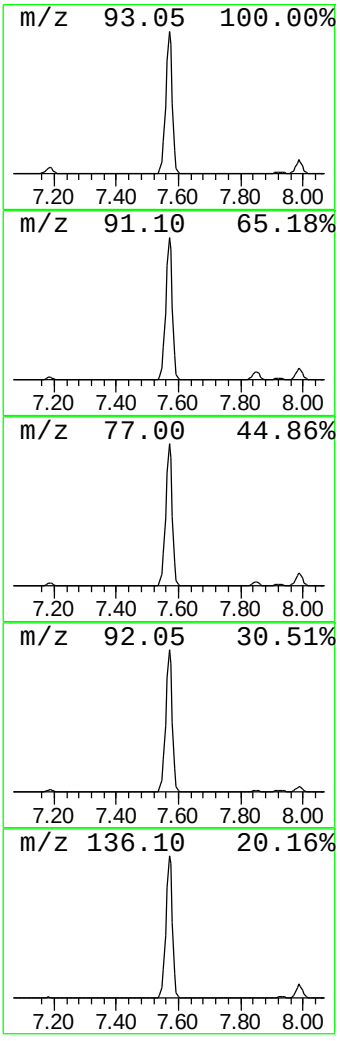
****

Peak Number 3 .alpha.-Phellandrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	439.21 ng/ul	30508200	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Phellandrene	136	C10H16	000099-83-2	91
2	.alpha.-Phellandrene	136	C10H16	000099-83-2	87
3	3-Carene	136	C10H16	013466-78-9	78
4	.alpha.-Phellandrene	136	C10H16	000099-83-2	74
5	.alpha.-Phellandrene	136	C10H16	000099-83-2	74





Data Path : Z:\HPCHEM1\BNA M\DATA\BM112217\
Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

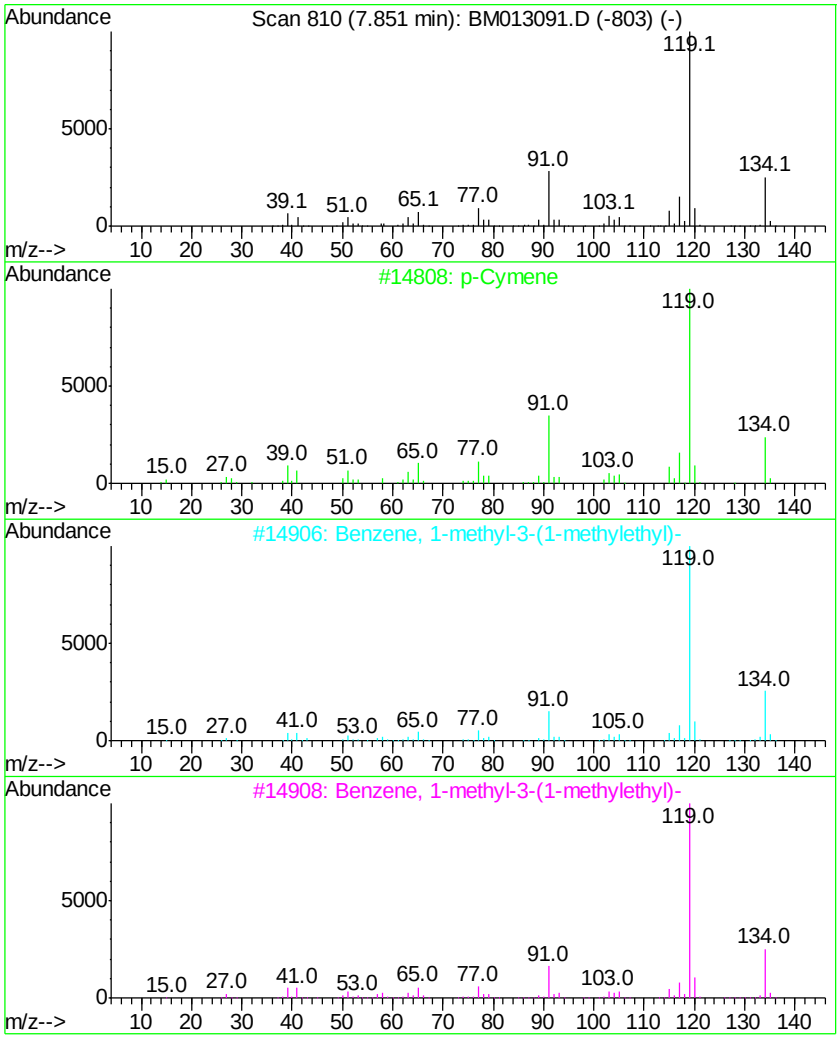
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

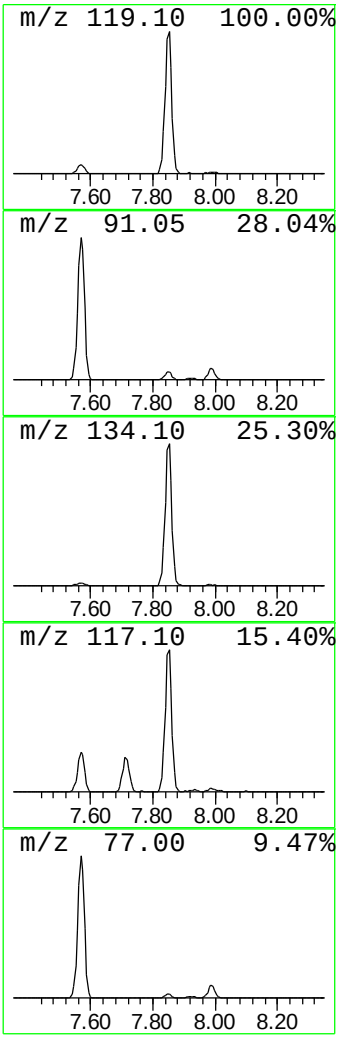
****

Peak Number 4 p-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	44.09 ng/ul	3062510	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	p-Cymene	134	C10H14	000099-87-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112217\
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Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

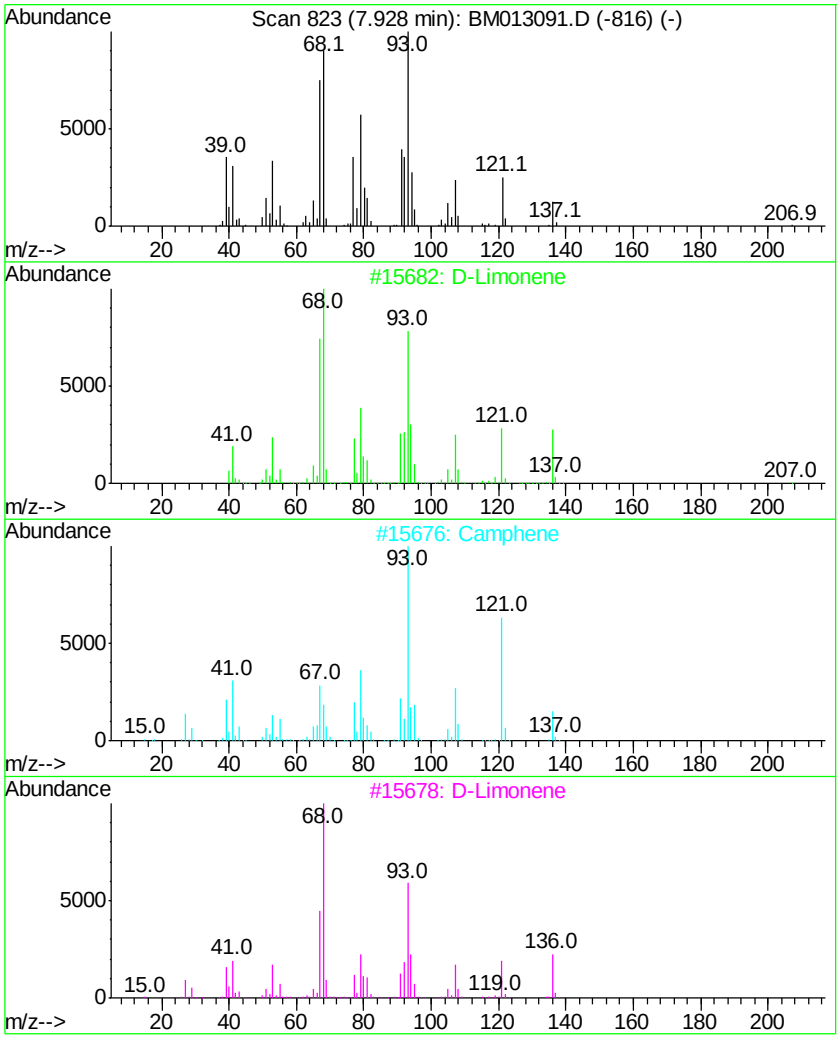
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

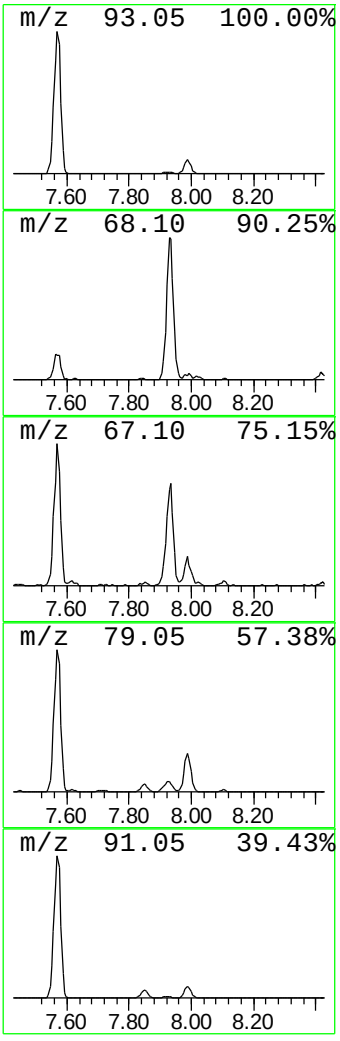
****

Peak Number 5 D-Limonene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	13.47 ng/ul	935512	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	91
2	Camphene	136	C10H16	000079-92-5	81
3	D-Limonene	136	C10H16	005989-27-5	76
4	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	74
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	64





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

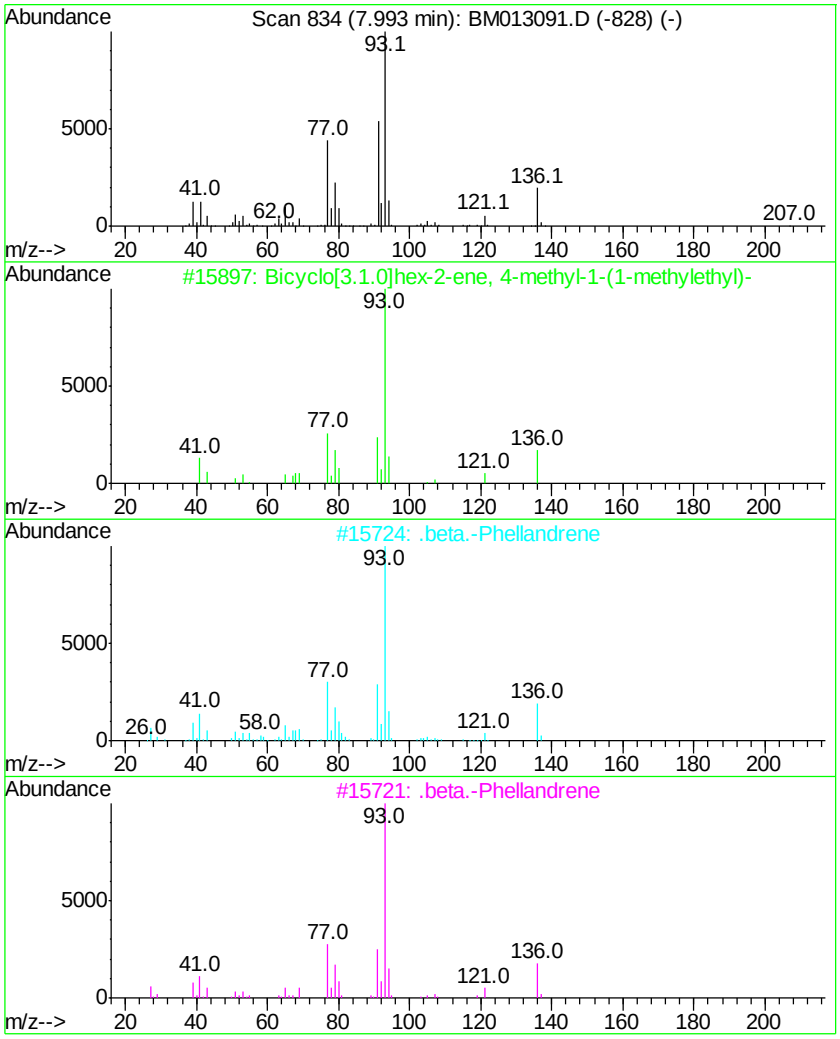
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

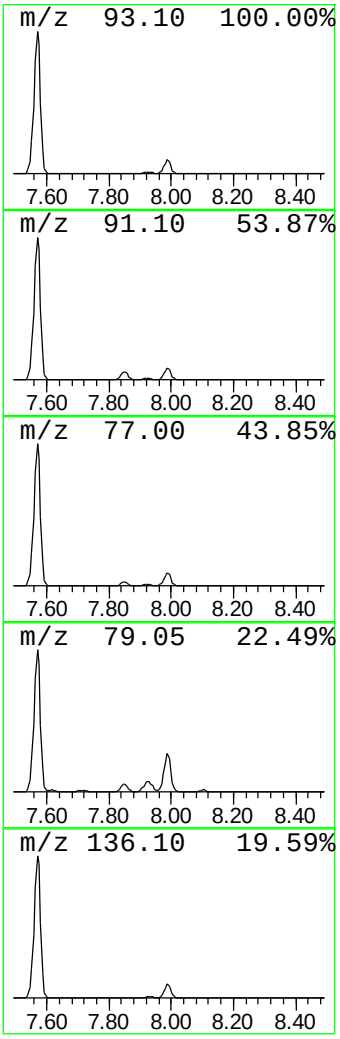
****

Peak Number 6 Bicyclo[3.1.0]hex-2-ene, 4-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	46.68 ng/ul	3242770	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	91
2	.beta.-Phellandrene	136	C10H16	000555-10-2	87
3	.beta.-Phellandrene	136	C10H16	000555-10-2	74
4	Bicyclo[2.2.1]hept-2-ene, 1,7,7-...	136	C10H16	000464-17-5	72
5	.alpha.-Phellandrene	136	C10H16	000099-83-2	72





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Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

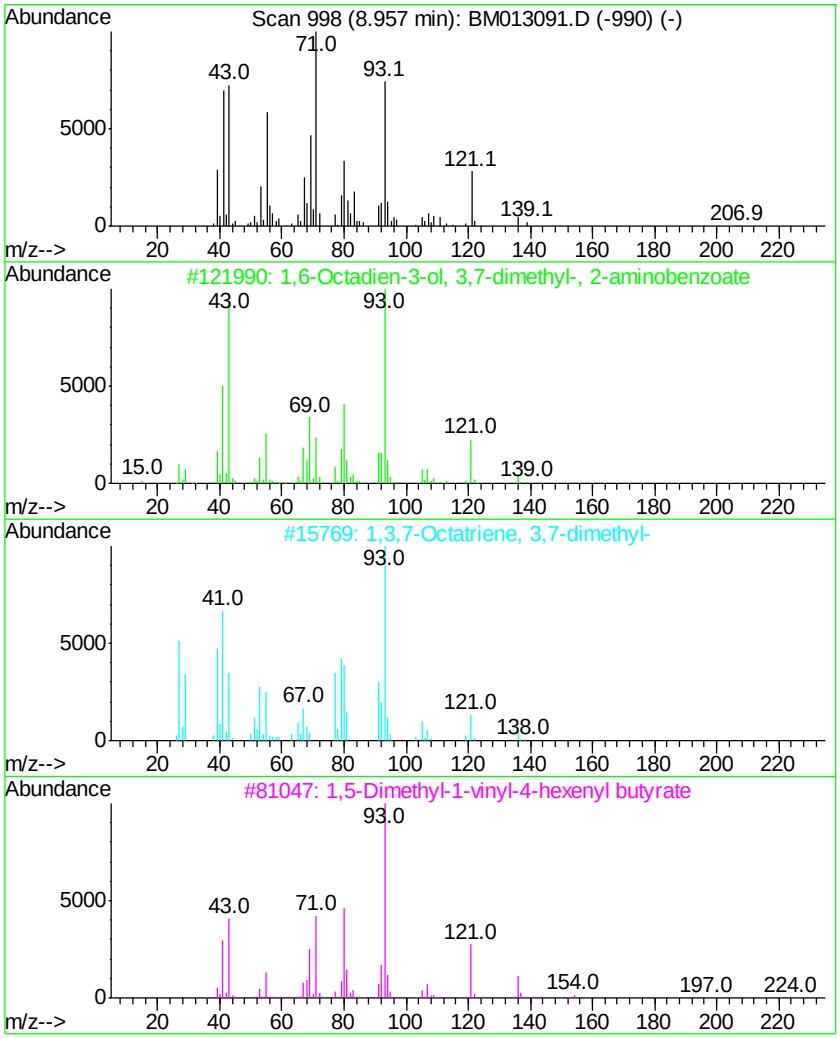
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

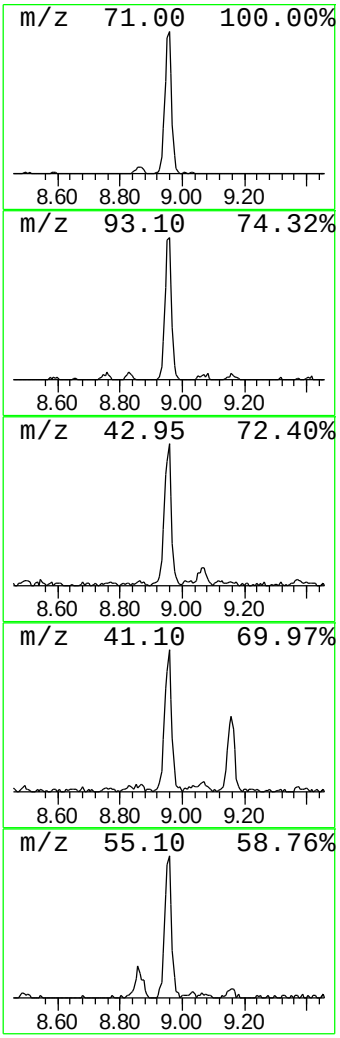
****

Peak Number 7 1,6-Octadien-3-ol, 3,7-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	6.92 ng/ul	480581	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Octadien-3-ol, 3,7-dimethyl-...	273	C17H23NO2	007149-26-0	53
2	1,3,7-Octatriene, 3,7-dimethyl-	136	C10H16	000502-99-8	53
3	1,5-Dimethyl-1-vinyl-4-hexenyl b...	224	C14H24O2	000078-36-4	46
4	Linalyl acetate	196	C12H20O2	000115-95-7	43
5	1,6-Octadien-3-ol, 3,7-dimethyl-...	210	C13H22O2	000144-39-8	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM112217\
Data File : BM013091.D
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Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

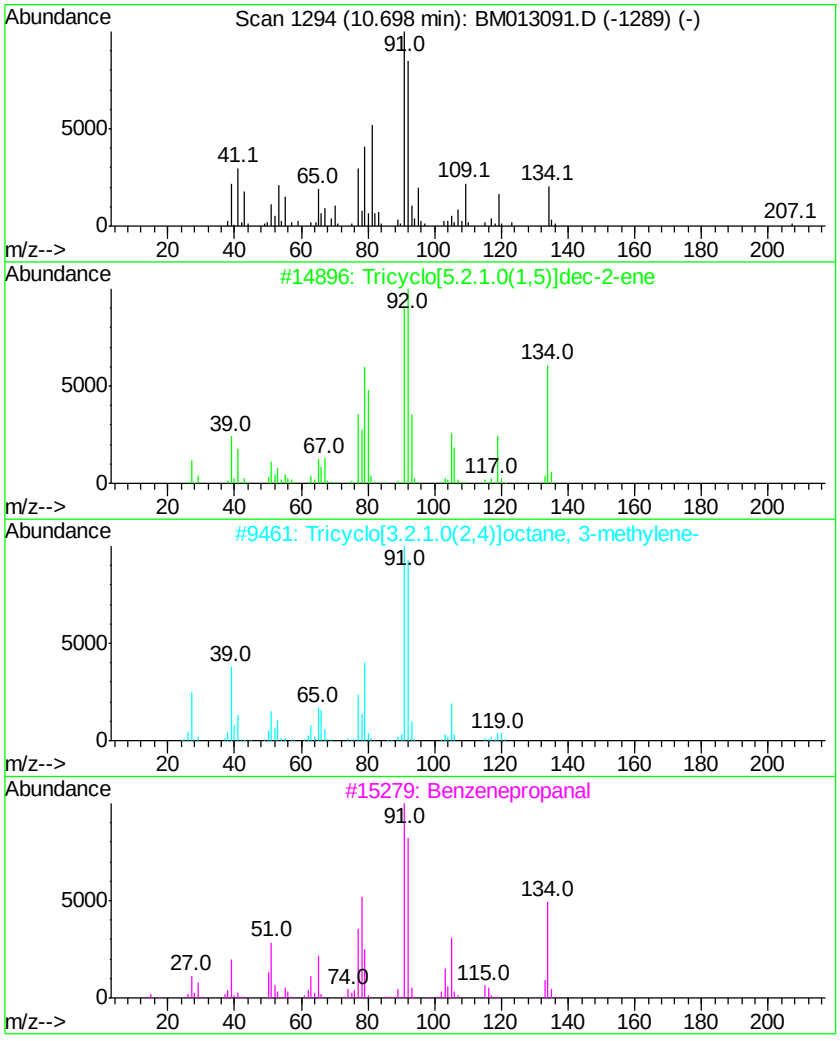
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

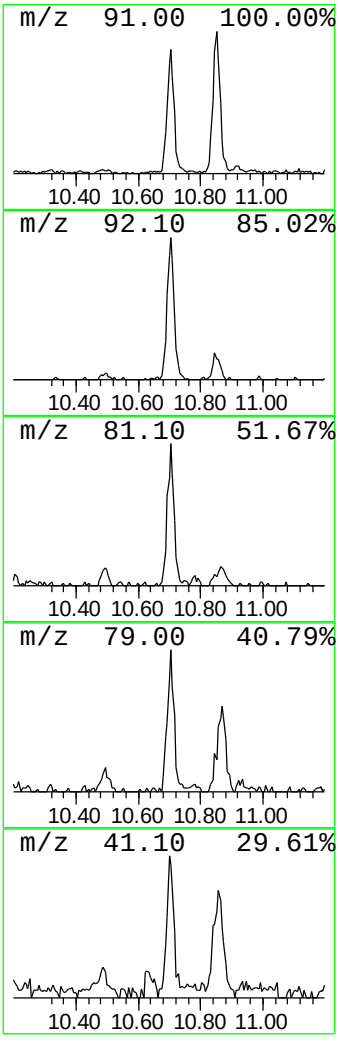
****

Peak Number 8 Tricyclo[5.2.1.0(1,5)]dec-2... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	3.28 ng/ul	326138	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[5.2.1.0(1,5)]dec-2-ene	134	C10H14	1000185-95-6	64
2	Tricyclo[3.2.1.0(2,4)]octane, 3-...	120	C9H12	1000150-04-5	53
3	Benzenepropanal	134	C9H10O	000104-53-0	50
4	Benzenepropanal	134	C9H10O	000104-53-0	50
5	Naphthalene, 1,2,3,4,4a,8a-hexah...	134	C10H14	062690-62-4	50





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Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

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Quant Title : SVOA CALIBRATION

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

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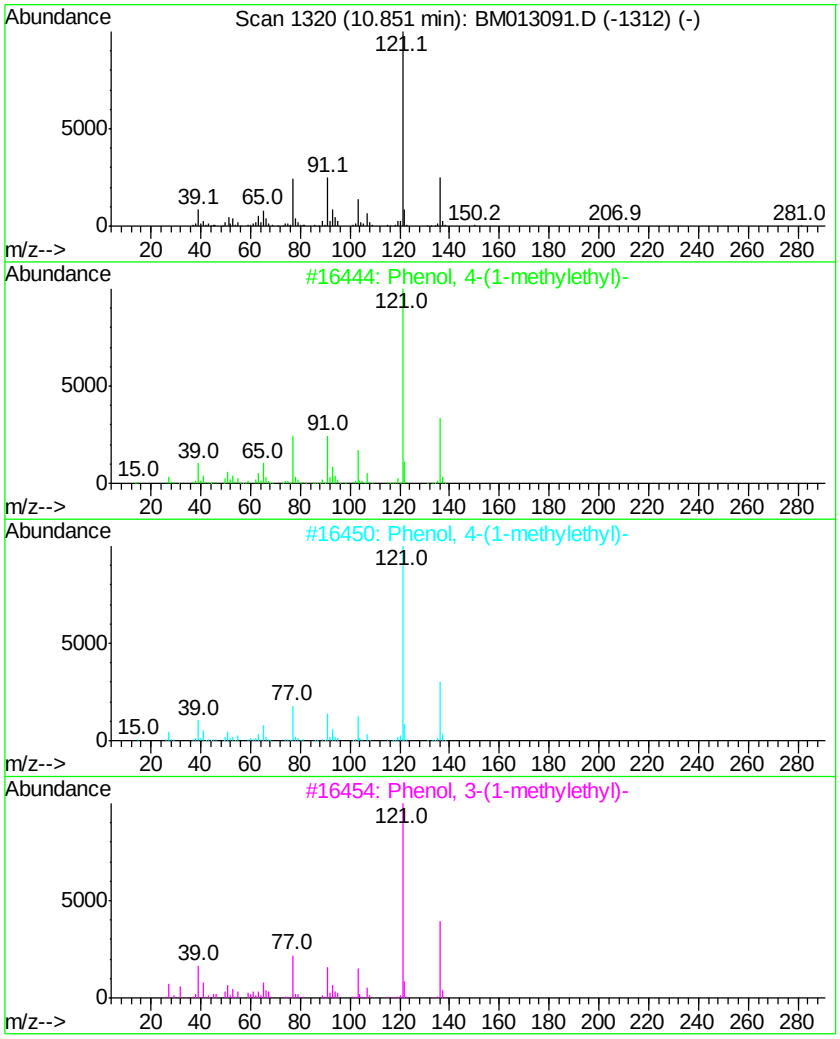
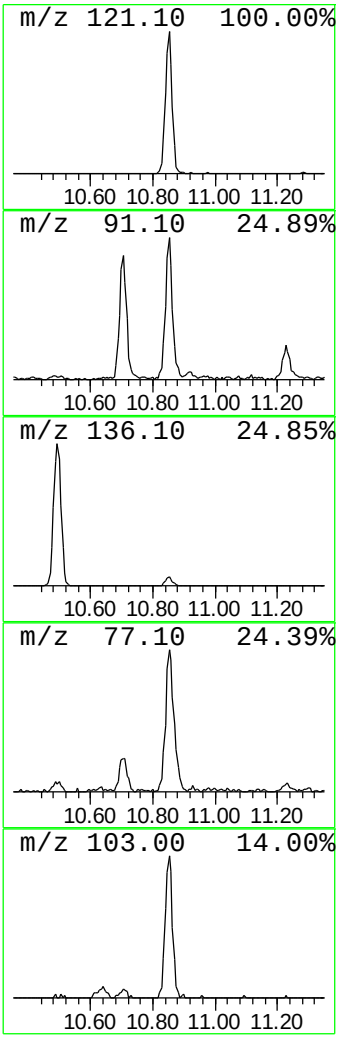
Peak Number 9 Phenol, 4-(1-methylethyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	8.15 ng/ul	809994	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	96
2	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	95
3	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	91
4	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	91
5	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	90





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Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

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Quant Title : SVOA CALIBRATION

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

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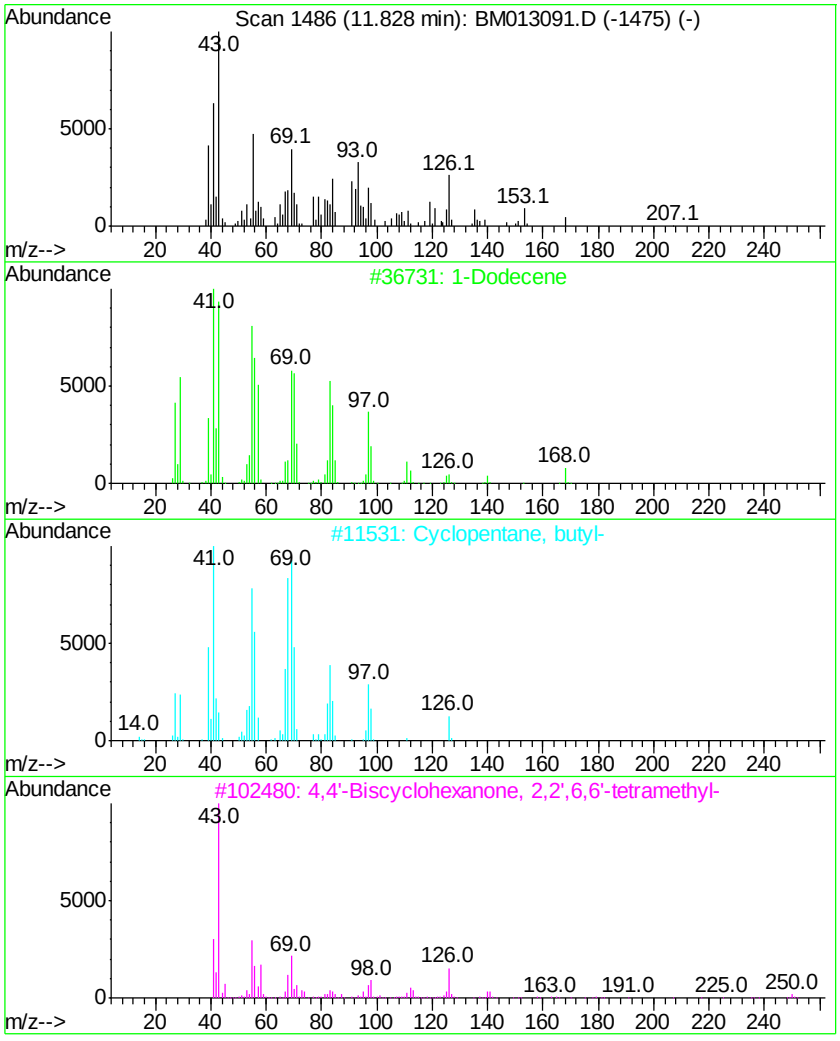
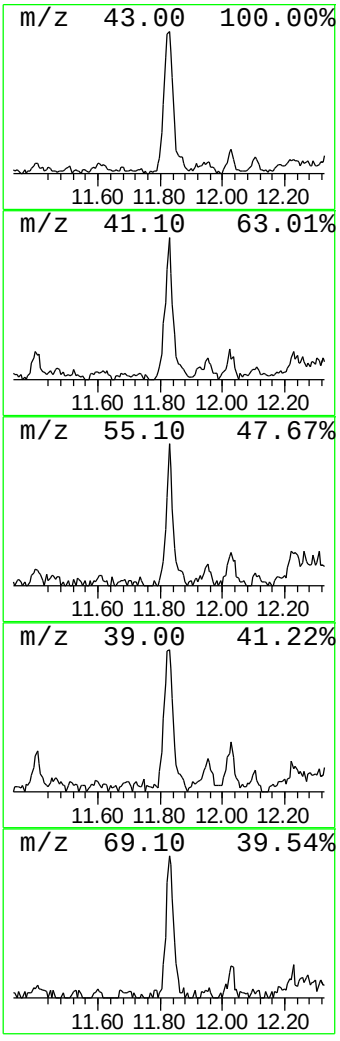
Peak Number 10 (DEL) Alkane: Cyclic11.83 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.26 ng/ul	523510	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecene	168	C12H24	000112-41-4	30
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	30
3	4,4'-Biscyclohexanone, 2,2',6,6'...	250	C16H26O2	1000131-93-4	27
4	2-Propyl-5-oxohexanoic acid	172	C9H16O3	010297-76-4	22
5	2-Undecene, 8-methyl-, (Z)-	168	C12H24	074630-44-7	20





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Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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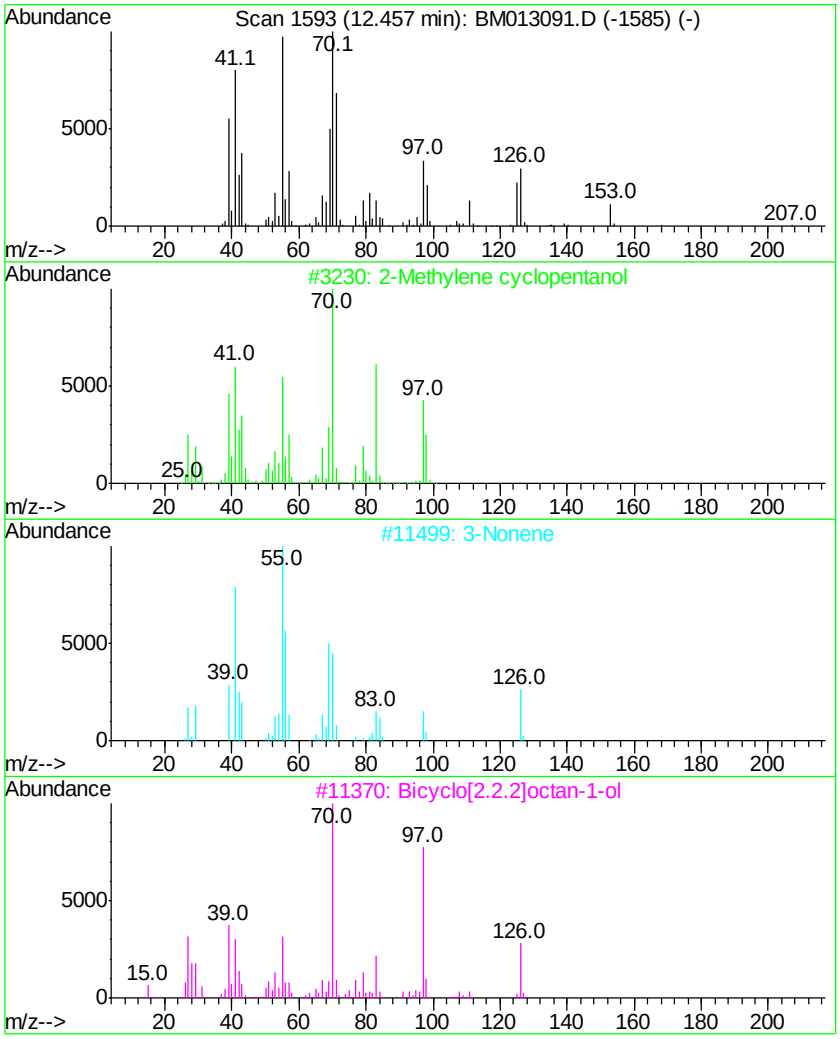
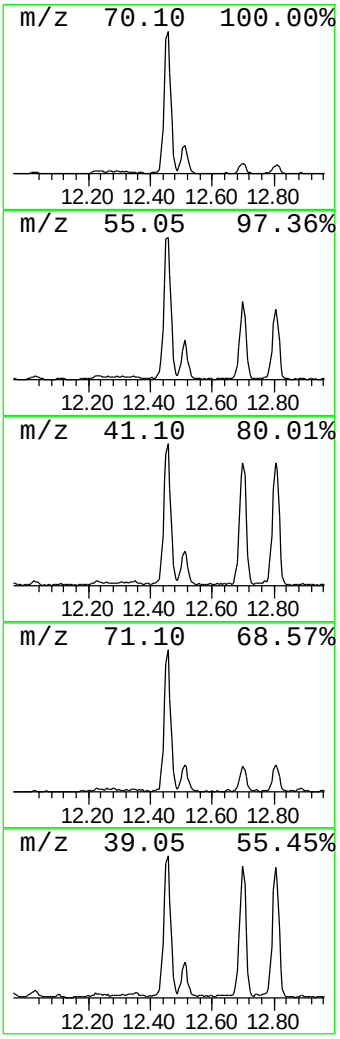
Peak Number 11 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	12.69 ng/ul	1588790	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	49
2	3-Nonene	126	C9H18	020063-77-8	38
3	Bicyclo[2.2.2]octan-1-ol	126	C8H14O	020534-58-1	38
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	38
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	38





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Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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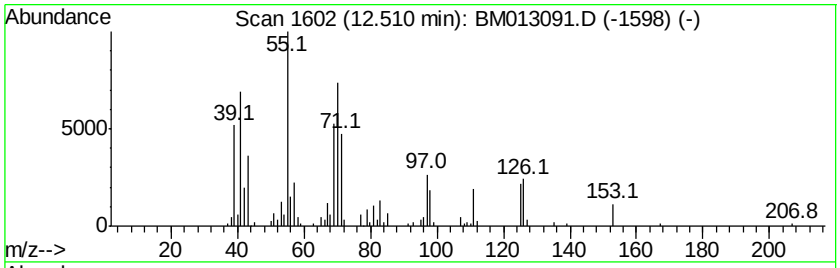
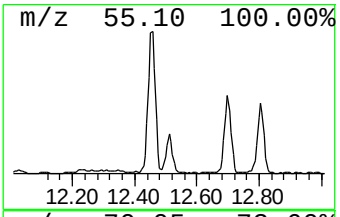
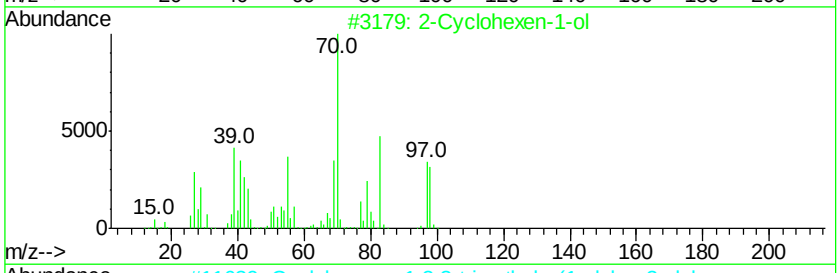
Peak Number 12 unknown-02 Concentration Rank 29

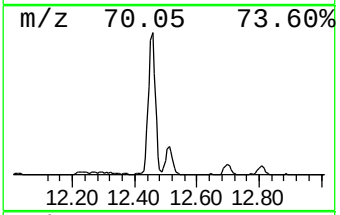
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	2.70 ng/ul	337446	Acenaphthene-d10	14.35

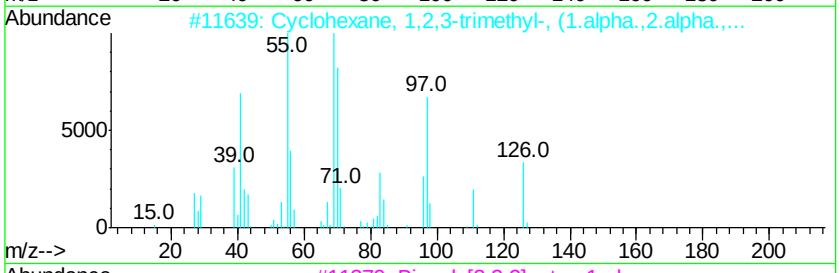
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	43
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	38
3	Bicyclo[2.2.2]octan-1-ol	126	C8H14O	020534-58-1	38
4	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	35
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	35

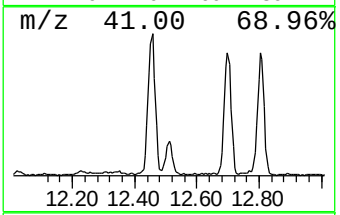


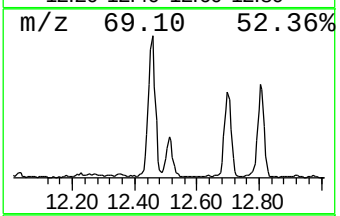


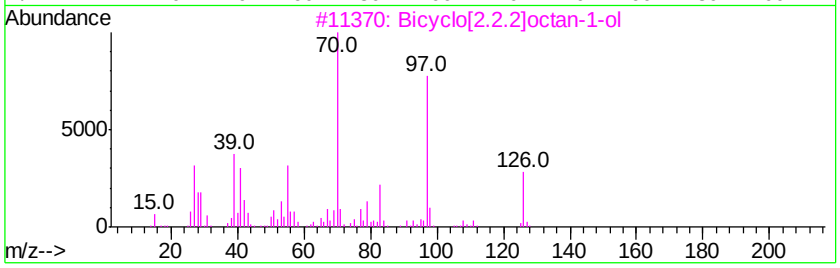


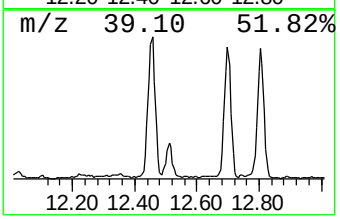












Library Search Compound Report

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Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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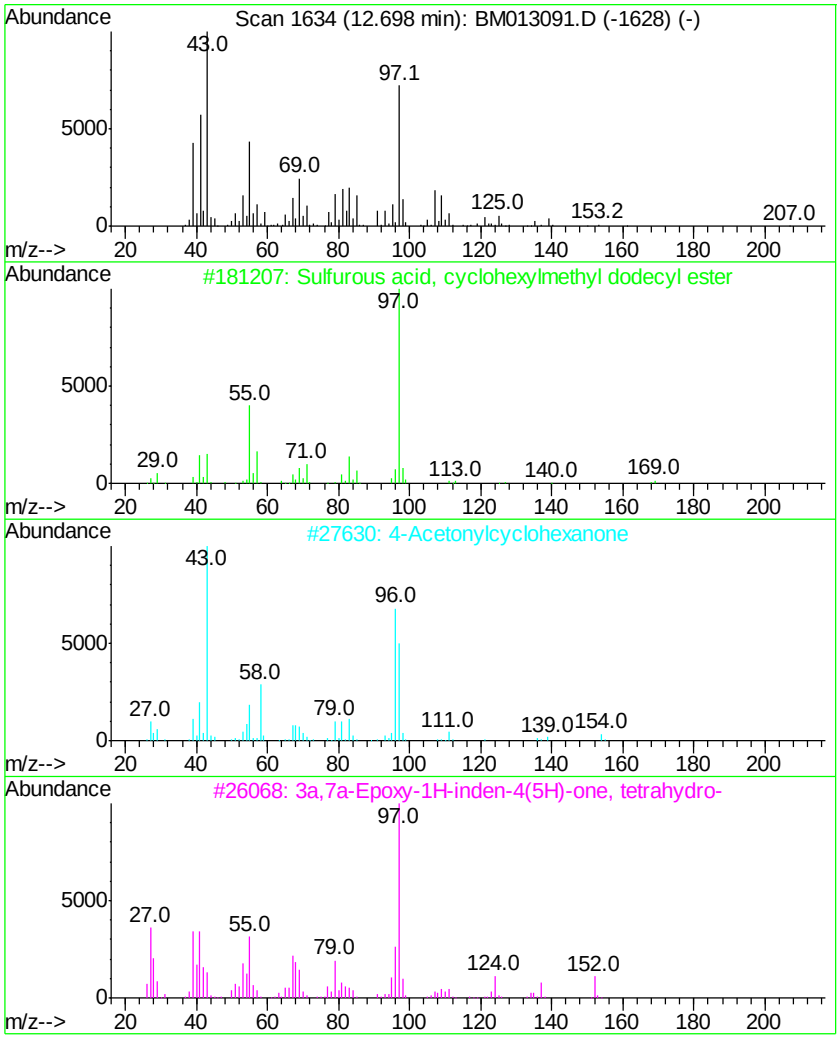
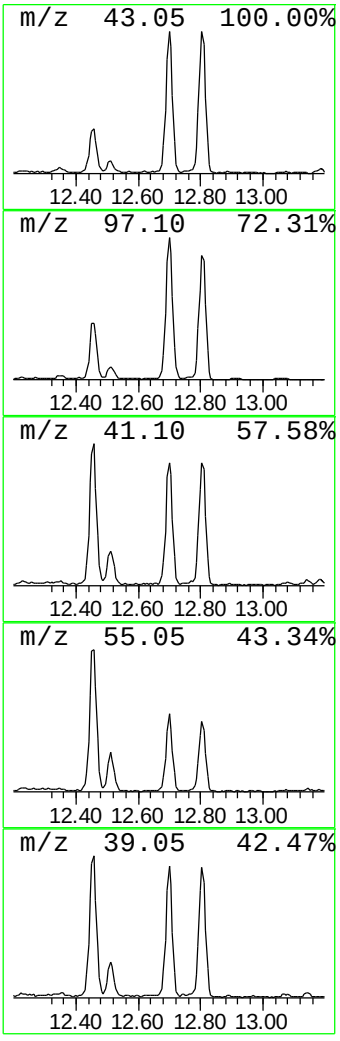
Peak Number 13 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	11.92 ng/ul	1491940	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	35
2	4-Acetonylcyclohexanone	154	C9H14O2	086428-59-3	32
3	3a,7a-Epoxy-1H-inden-4(5H)-one, ...	152	C9H12O2	039746-31-1	27
4	7-Oxabicyclo[4.1.0]heptane, 1-me...	112	C7H12O	001713-33-3	27
5	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	25





Library Search Compound Report

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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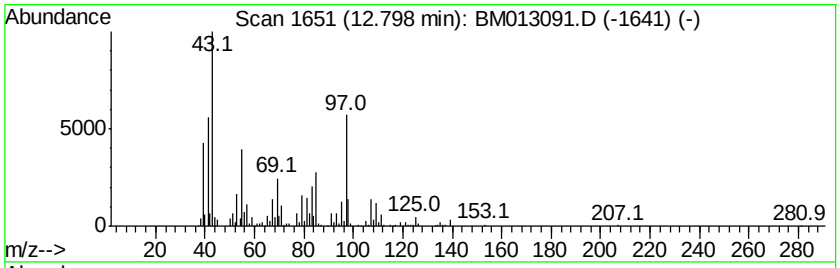
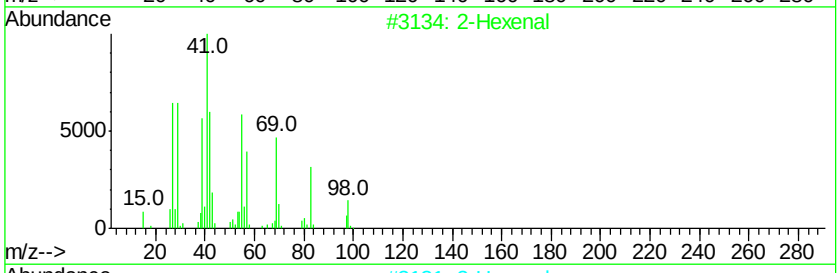
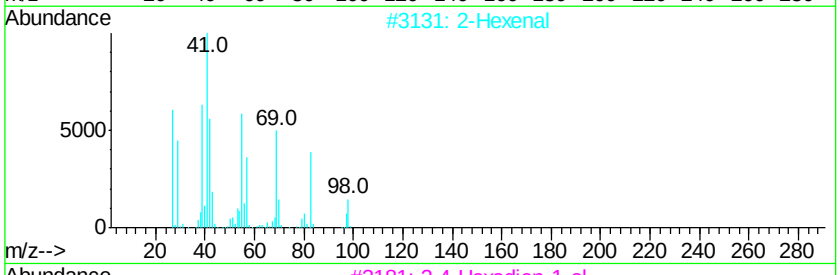
Peak Number 14 unknown-04 Concentration Rank 12

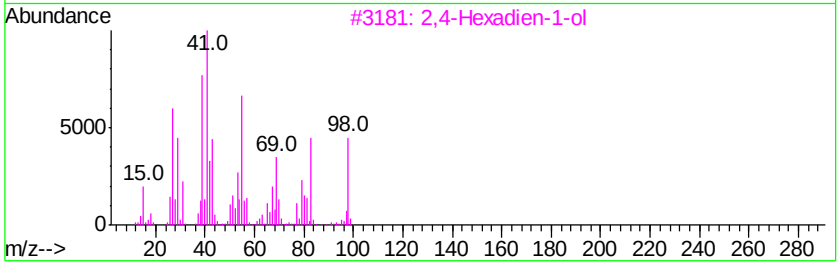
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	12.02 ng/ul	1505140	Acenaphthene-d10	14.35

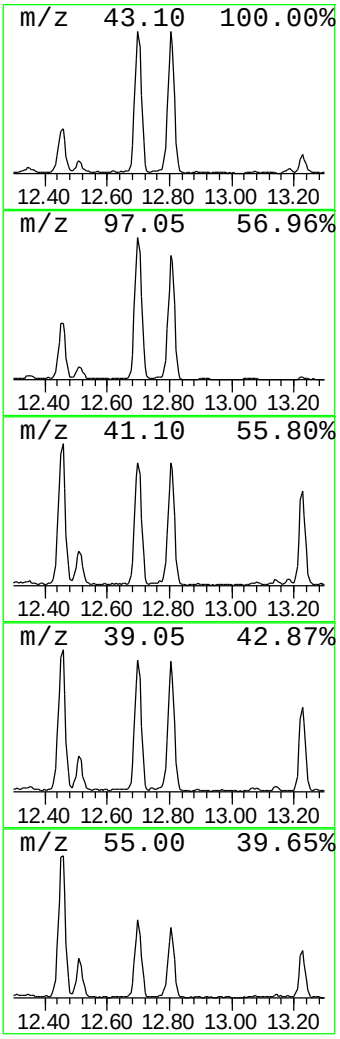
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexenal	98	C6H10O	000505-57-7	38
2	2-Hexenal	98	C6H10O	000505-57-7	38
3	2,4-Hexadien-1-ol	98	C6H10O	000111-28-4	27
4	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	27
5	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	25











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Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

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Quant Title : SVOA CALIBRATION

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

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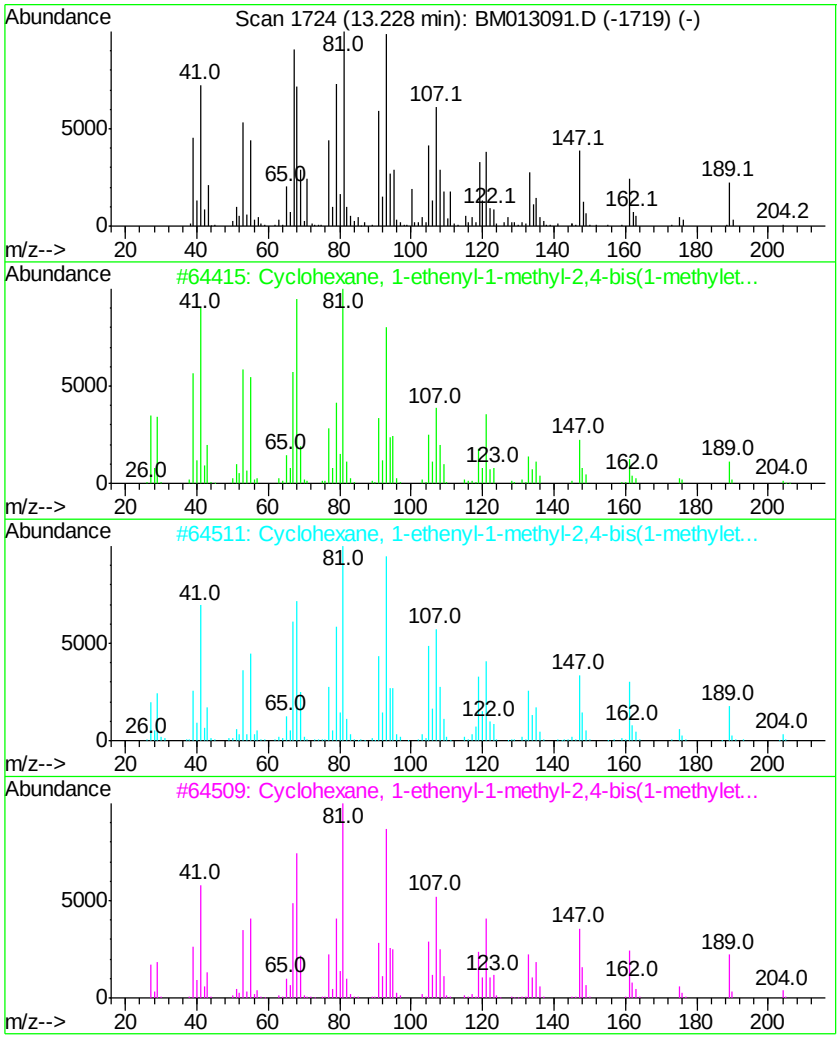
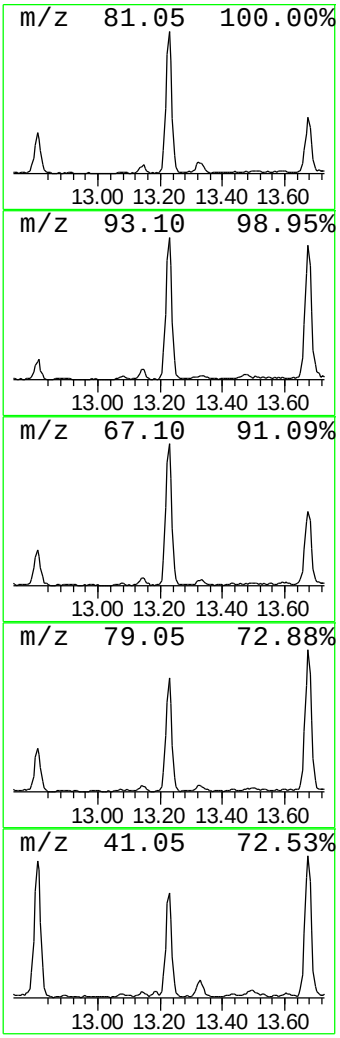
Peak Number 15 Cyclohexane, 1-ethenyl-1-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	15.24 ng/ul	1908530	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	110823-68-2	86
2	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	000515-13-9	60
3	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	000515-13-9	60
4	cis,cis-4,6-Octadienol	126	C8H14O	860473-40-1	46
5	Bicyclo[4.3.0]nonane, 7-methylen...	204	C15H24	1000156-11-9	41





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Data File : BM013091.D
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Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

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Quant Title : SVOA CALIBRATION

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

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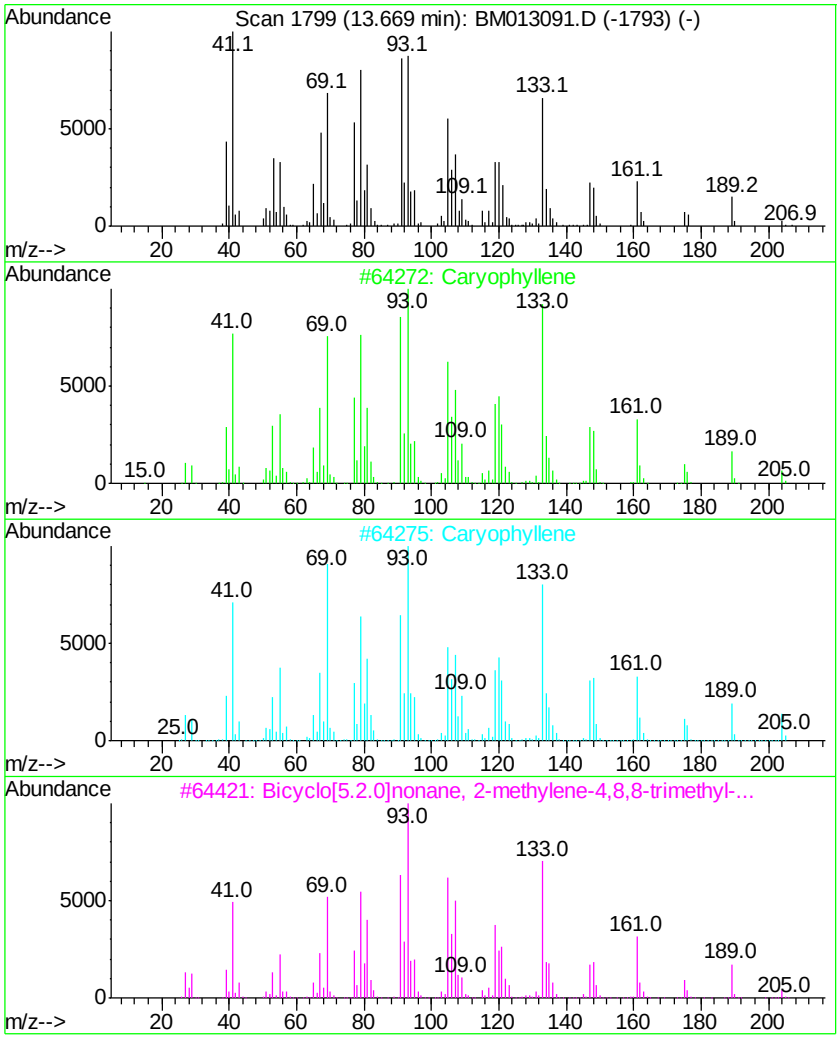
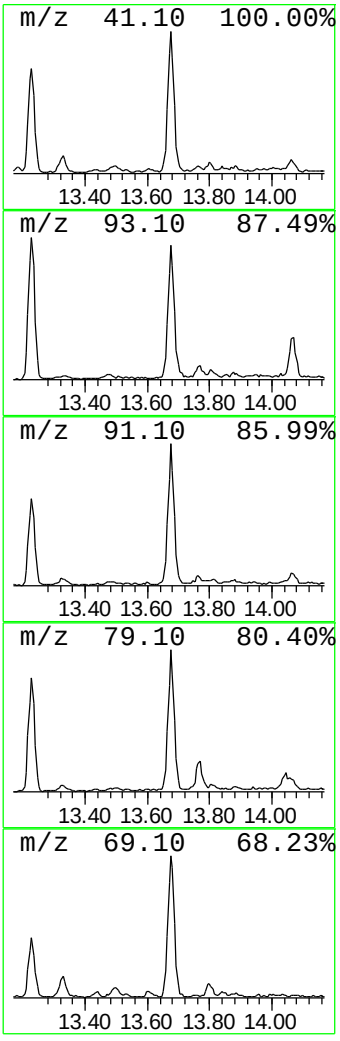
Peak Number 16 Caryophyllene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	14.74 ng/ul	1846110	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	99
2	Caryophyllene	204	C15H24	000087-44-5	96
3	Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	94
4	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	90
5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	87





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Sample : I6514-02
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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

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Quant Title : SVOA CALIBRATION

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

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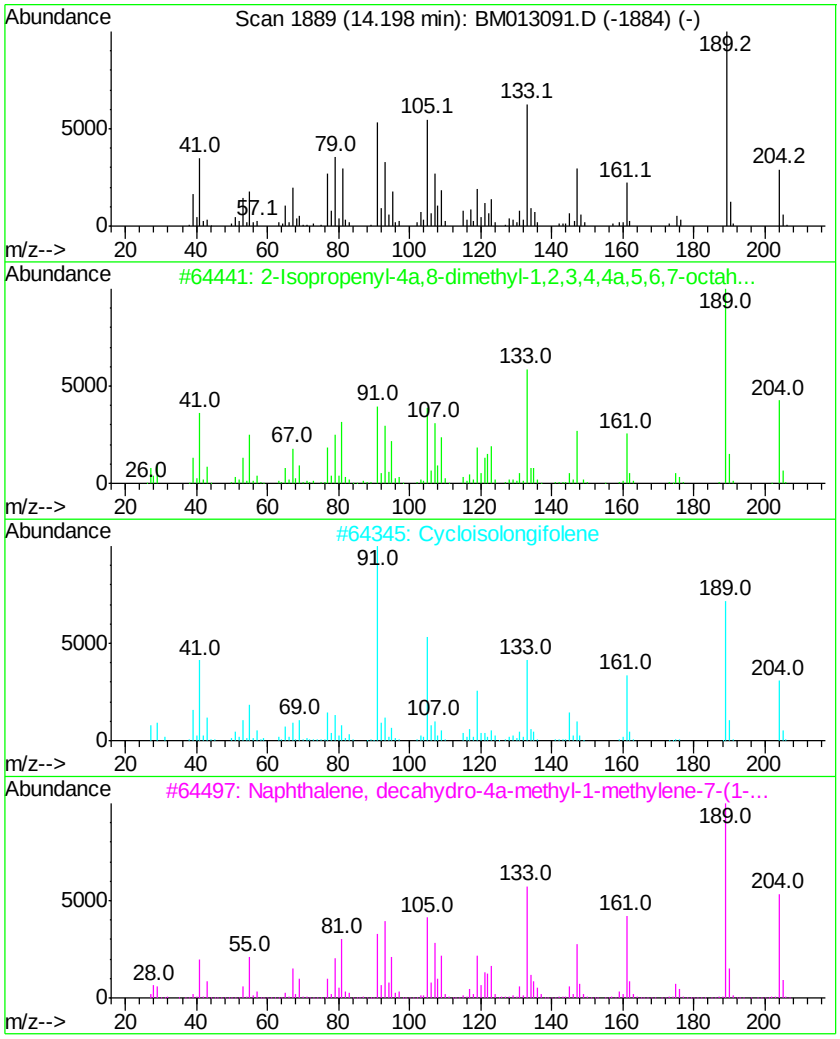
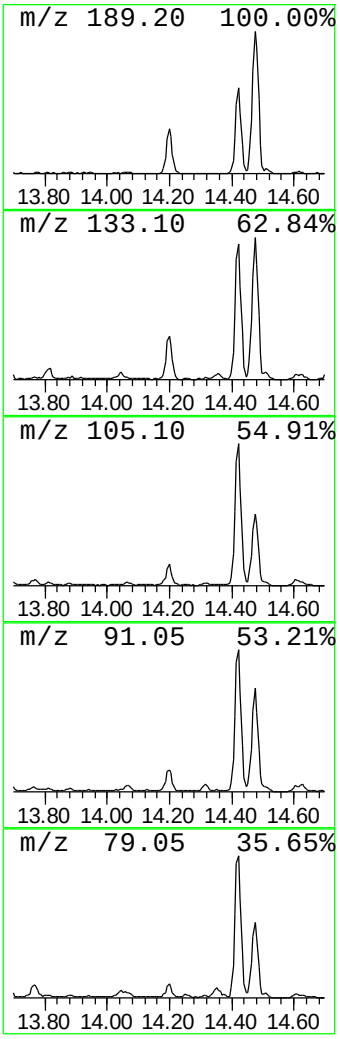
Peak Number 17 2-Isopropenyl-4a,8-dimethyl... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	5.17 ng/ul	647668	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	95
2	Cycloisolongifolene	204	C15H24	1000151-99-7	72
3	Naphthalene, decahydro-4a-methyl...	204	C15H24	000515-17-3	64
4	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	53
5	Benzenepropanal, 3-(1,1-dimethyl...	204	C14H20O	062518-65-4	53





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Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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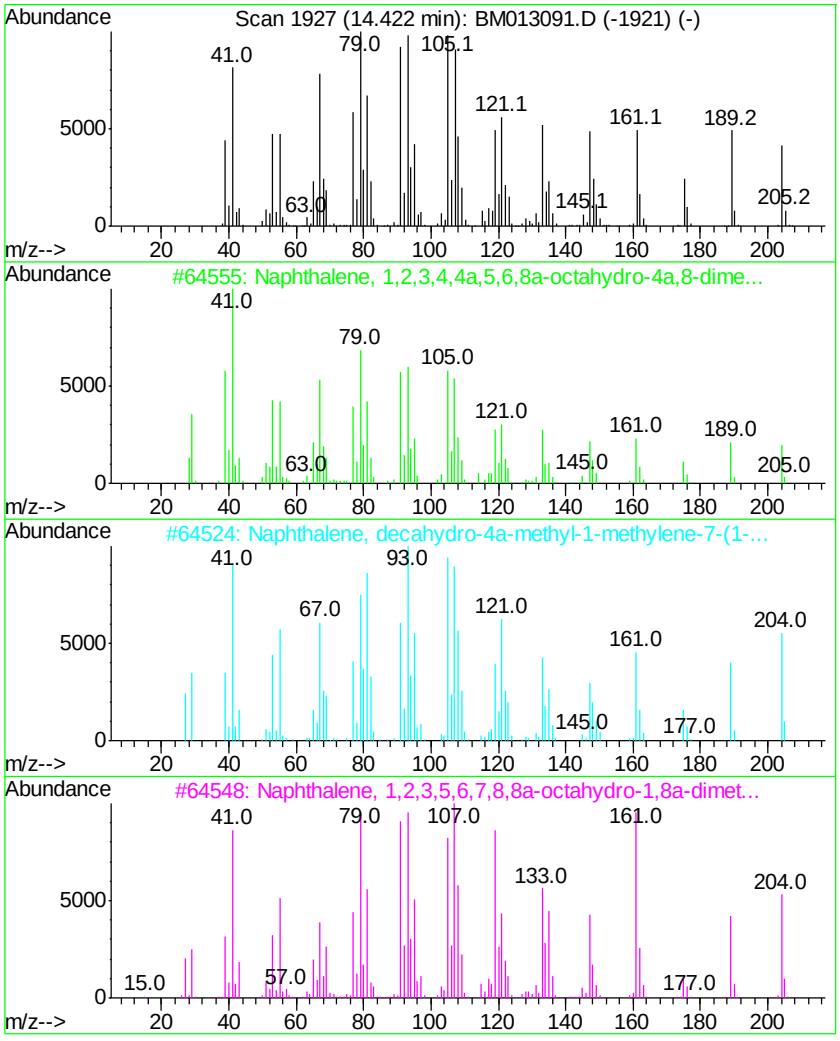
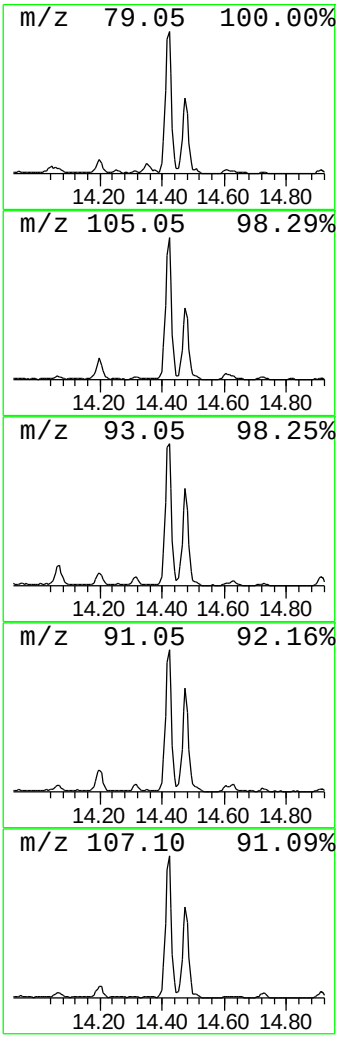
Peak Number 18 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	37.74 ng/ul	4725160	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	99
2	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	98
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	96
4	.beta.-Humulene	204	C15H24	000116-04-1	89
5	.alpha.-Guaiene	204	C15H24	003691-12-1	89





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Operator : SJ/JU
Sample : I6514-02
Misc :
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Instrument : BNA_M
ClientSampleId : C0AB3

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Quant Title : SVOA CALIBRATION

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

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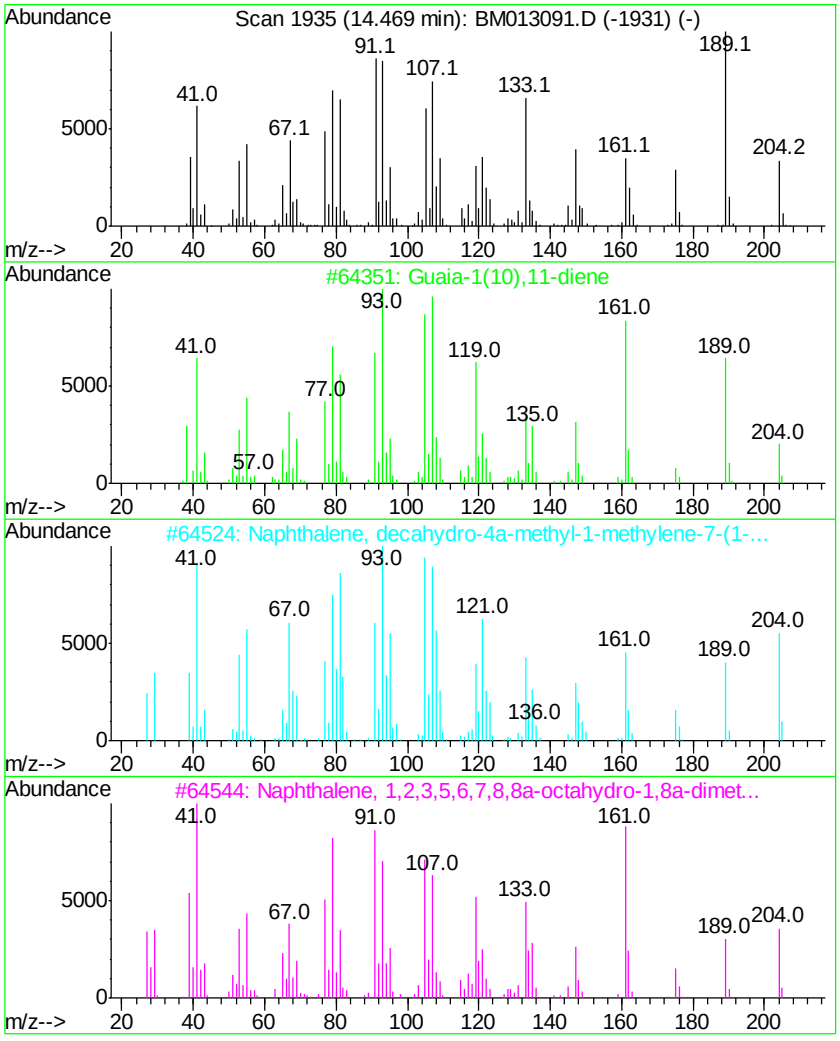
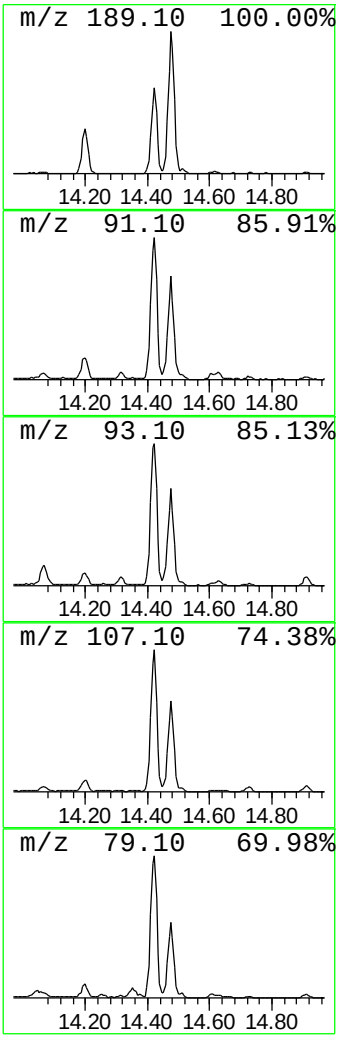
Peak Number 19 Guaia-1(10),11-diene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	23.74 ng/ul	2972190	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Guaia-1(10),11-diene	204	C15H24	1000374-19-7	89
2	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	78
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	62
4	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	60
5	Naphthalene, decahydro-4a-methyl...	204	C15H24	000515-17-3	60





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Quant Title : SVOA CALIBRATION

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

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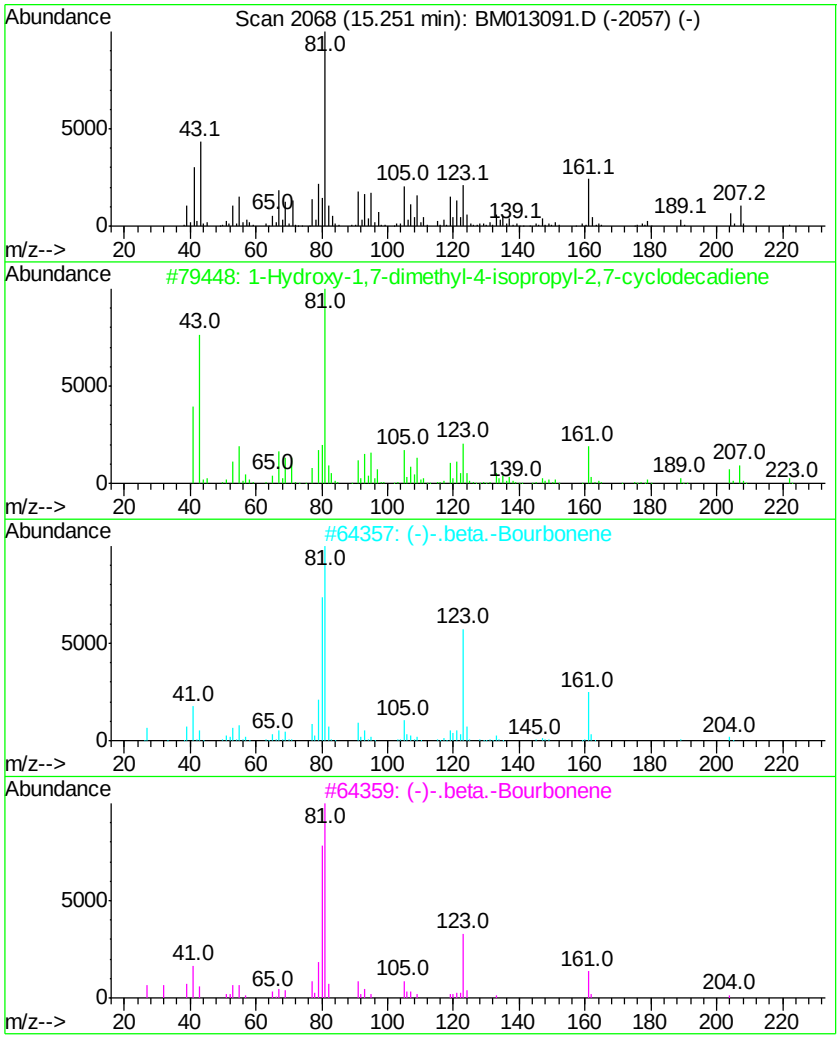
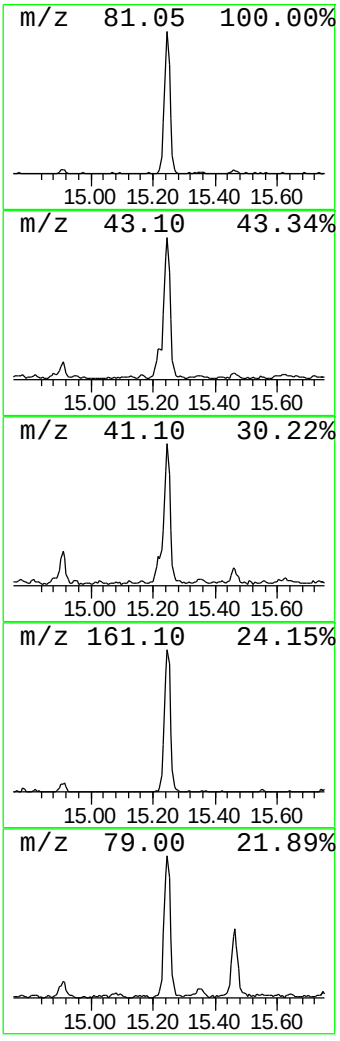
Peak Number 20 1-Hydroxy-1,7-dimethyl-4-is... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	13.35 ng/ul	1671860	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxy-1,7-dimethyl-4-isoprop...	222	C15H26O	072120-50-4	87
2	(-)-.beta.-Bourbonene	204	C15H24	005208-59-3	47
3	(-)-.beta.-Bourbonene	204	C15H24	005208-59-3	47
4	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	002217-02-9	43
5	Bornyl bromide	216	C10H17Br	004443-48-5	38





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Quant Title : SVOA CALIBRATION

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

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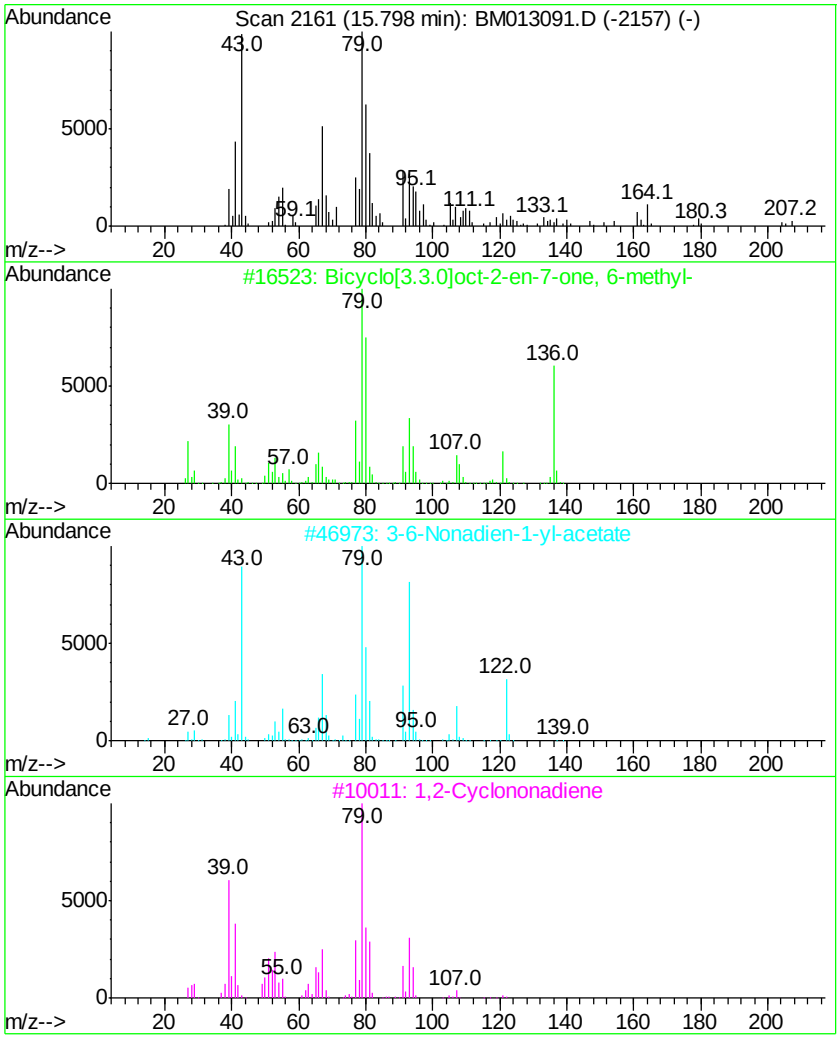
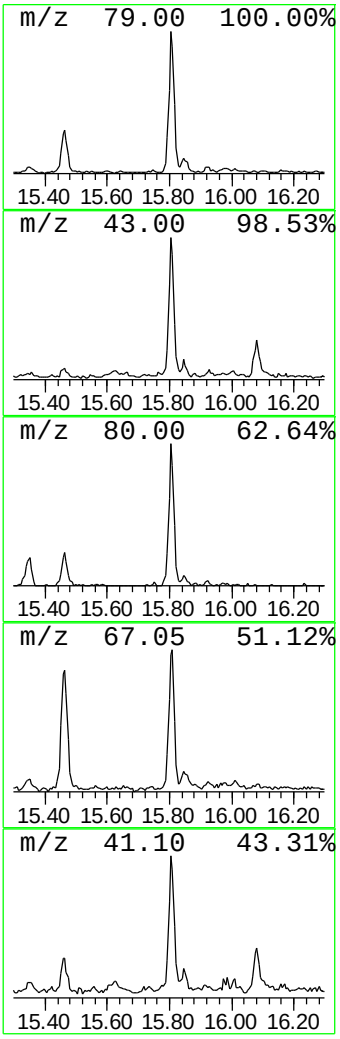
Peak Number 21 Bicyclo[3.3.0]oct-2-en-7-on... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	3.77 ng/ul	573013	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.0]oct-2-en-7-one, 6-...	136	C9H12O	1000150-43-7	70
2	3-6-Nonadien-1-yl-acetate	182	C11H18O2	076649-26-8	64
3	1,2-Cyclononadiene	122	C9H14	001123-11-1	50
4	3-Methylene-1,6-heptadiene	108	C8H12	016626-48-5	47
5	Spiro[2.4]heptane, 5-methylene-	108	C8H12	037745-07-6	46





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Quant Title : SVOA CALIBRATION

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

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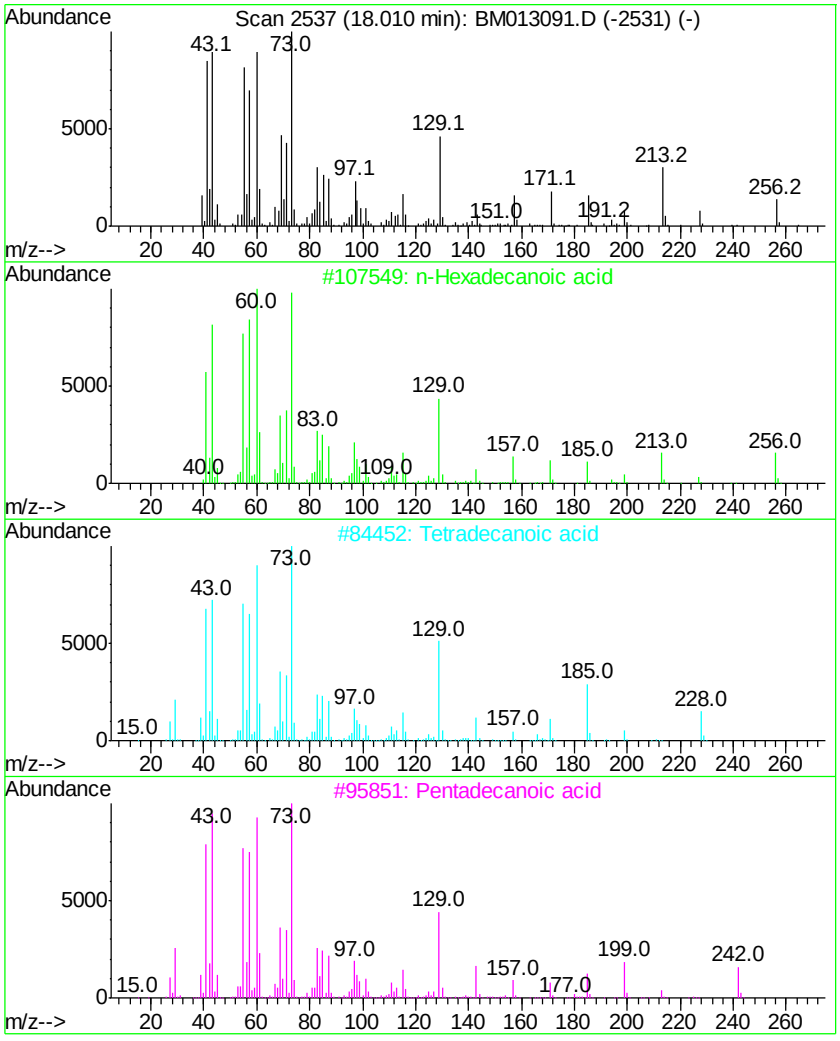
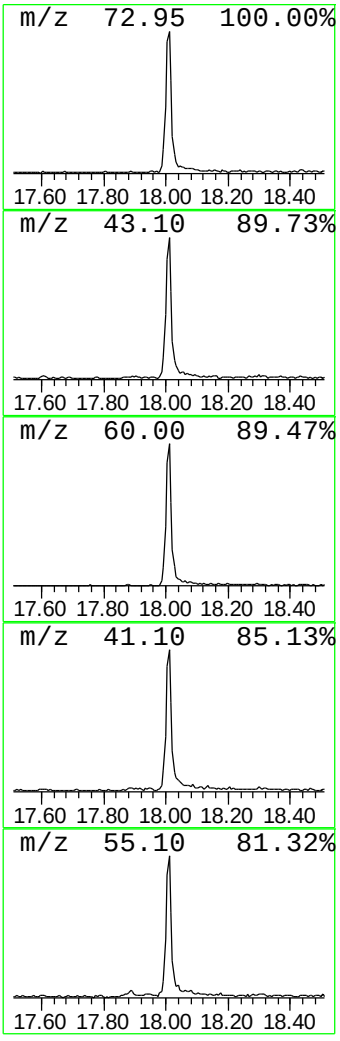
Peak Number 22 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	9.71 ng/ul	1476240	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Tridecanoic acid	214	C13H26O2	000638-53-9	81





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Quant Title : SVOA CALIBRATION

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

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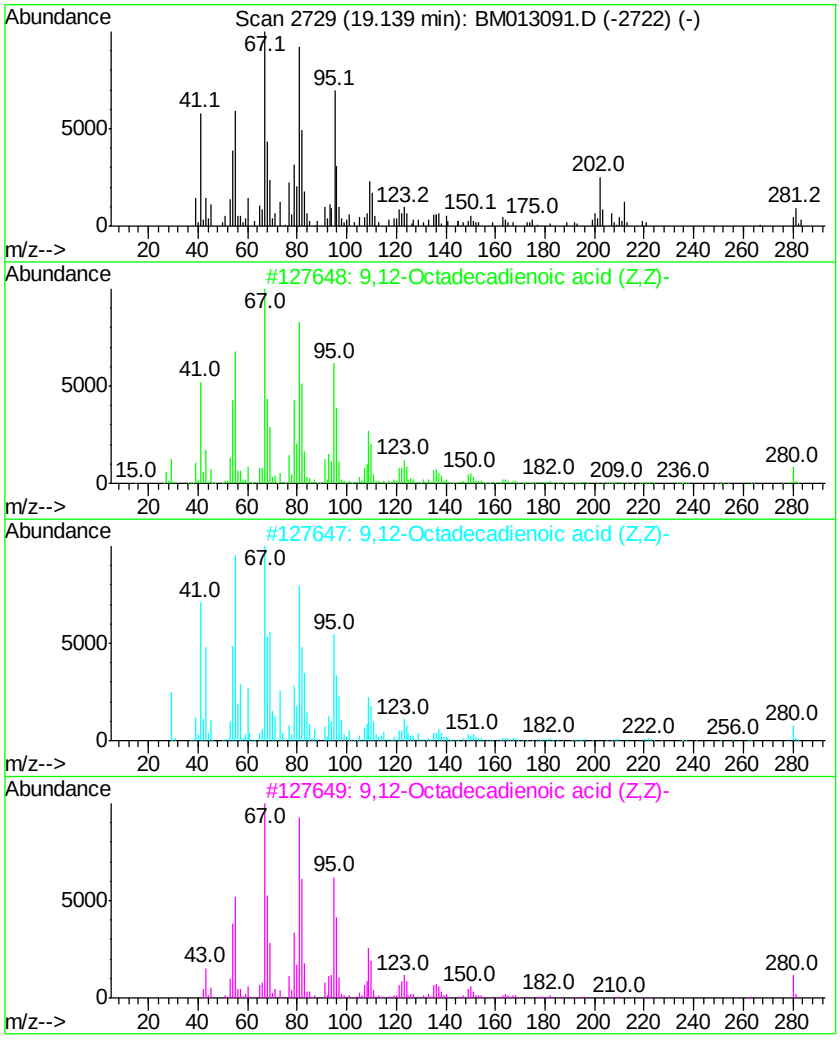
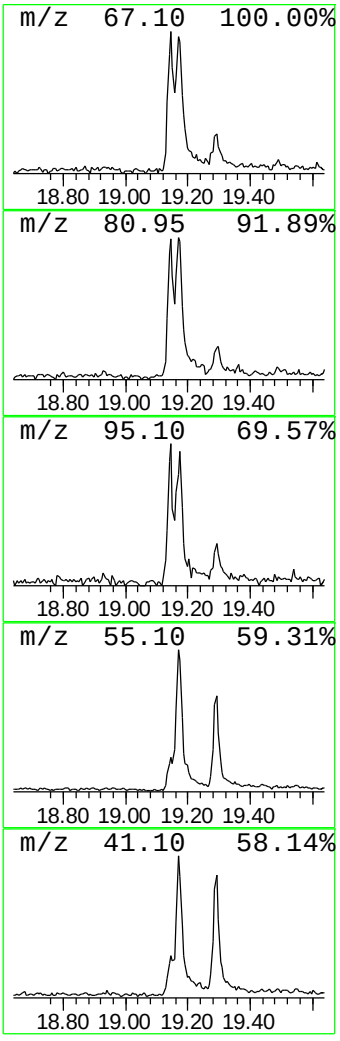
Peak Number 23 9,12-Octadecadienoic acid (... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	2.30 ng/ul	349424	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	93
2	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	90
3	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	90
4	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	83
5	7-Tetradecyne	194	C14H26	035216-11-6	78





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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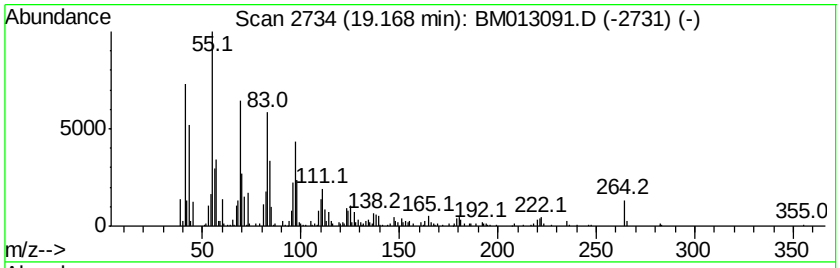
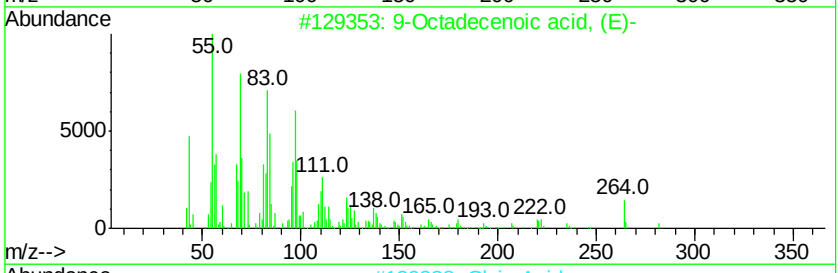
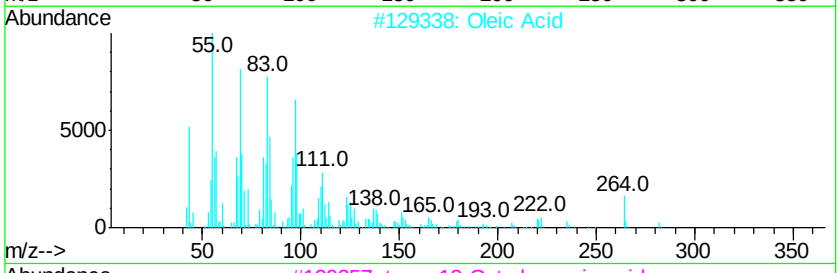
Peak Number 24 9-Octadecenoic acid, (E)- Concentration Rank 17

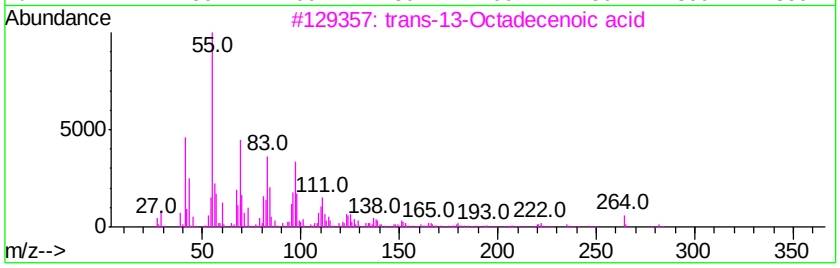
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	7.69 ng/ul	1169460	Phenanthrene-d10	17.10

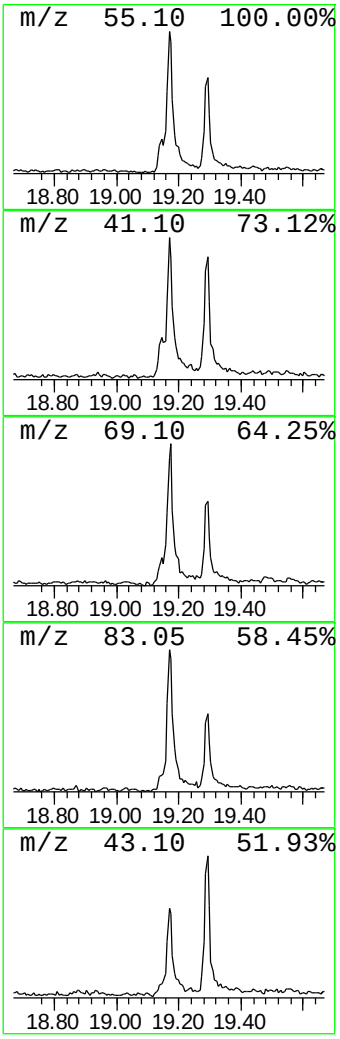
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	97
2	Oleic Acid	282	C18H34O2	000112-80-1	97
3	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	95
4	cis-Vaccenic acid	282	C18H34O2	000506-17-2	94
5	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	94











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Quant Title : SVOA CALIBRATION

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

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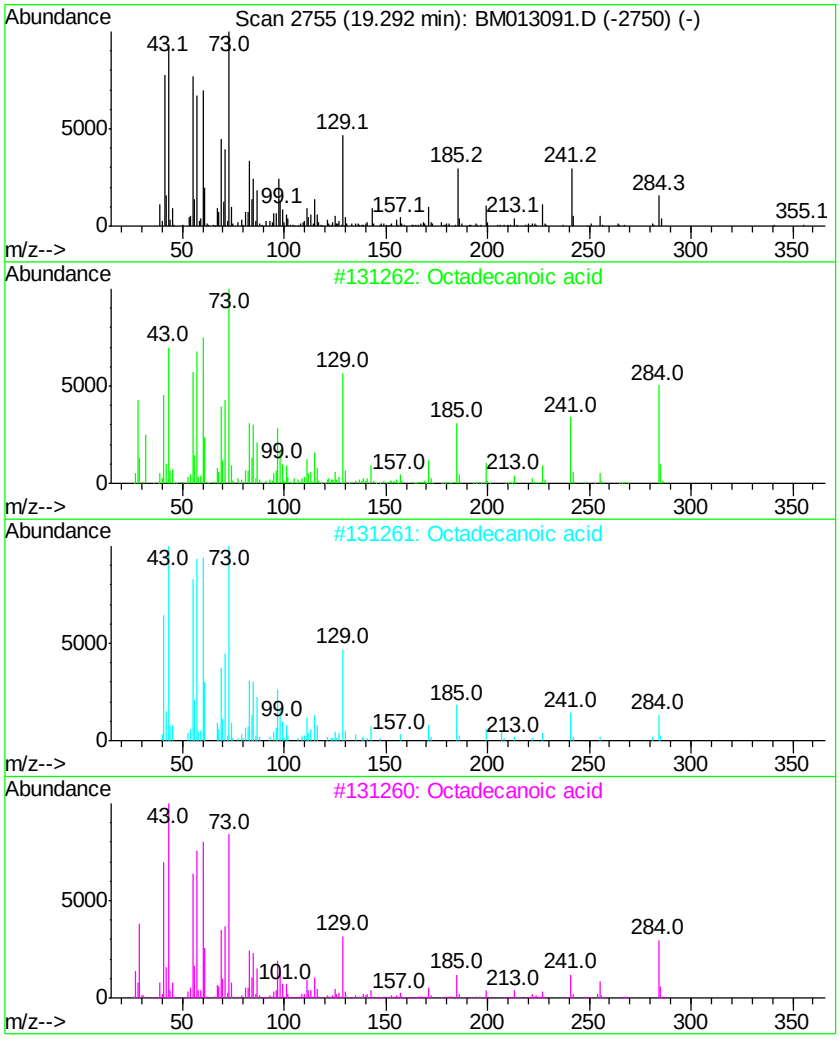
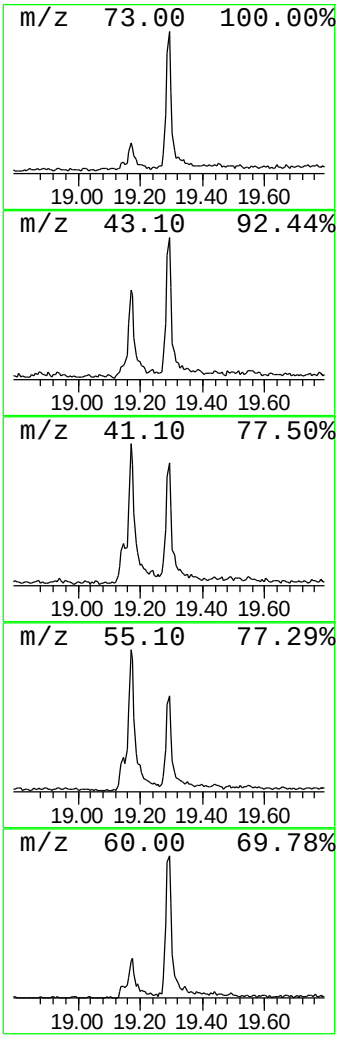
Peak Number 25 Octadecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	6.41 ng/ul	849385	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	98
4	Octadecanoic acid	284	C18H36O2	000057-11-4	97
5	Octadecanoic acid	284	C18H36O2	000057-11-4	96





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Quant Title : SVOA CALIBRATION

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

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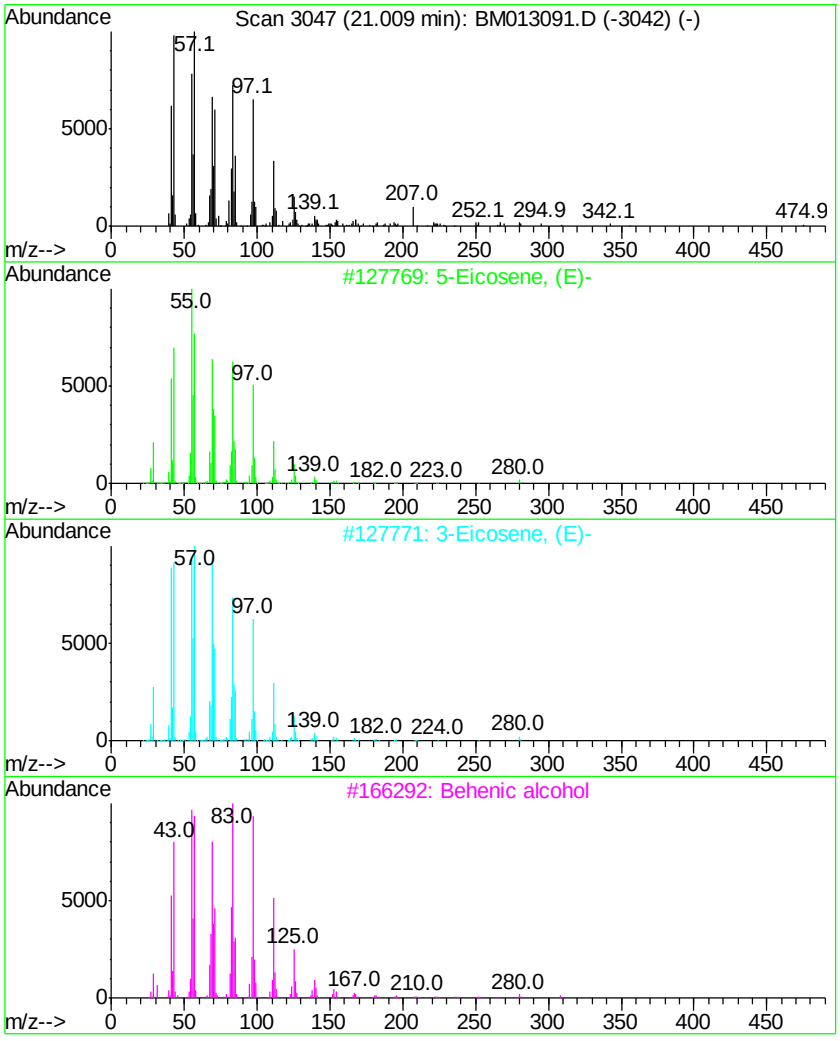
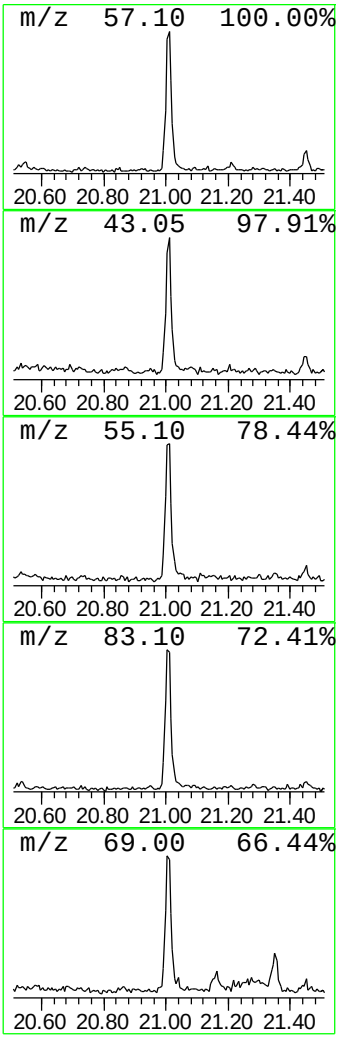
Peak Number 26 (DEL) Alkane: Cyclic21.01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	4.23 ng/ul	560766	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
5	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	91





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Quant Title : SVOA CALIBRATION

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

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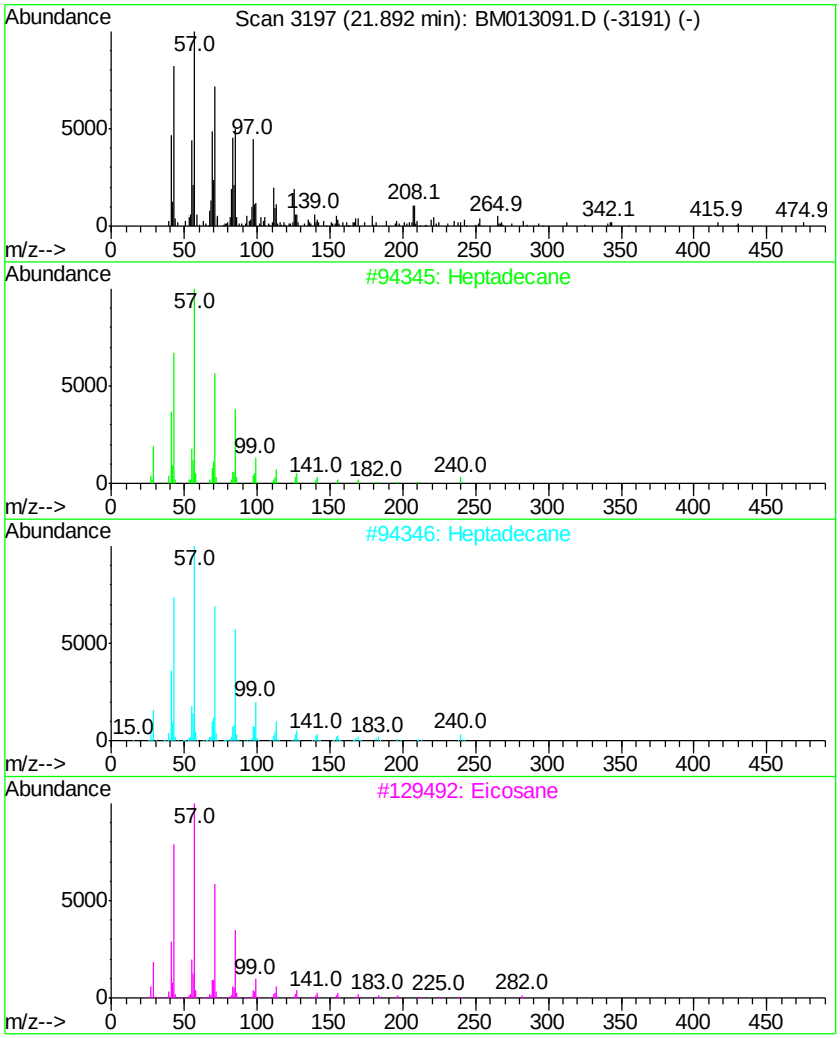
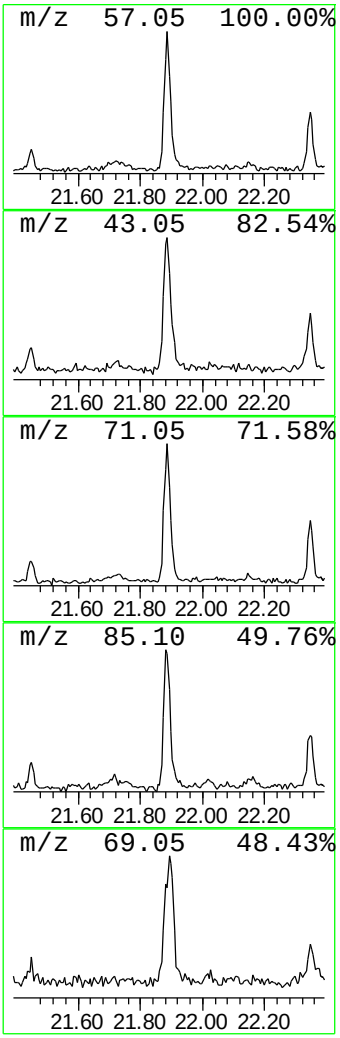
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	3.89 ng/ul	515219	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Heptadecane	240	C17H36	000629-78-7	93
3	Eicosane	282	C20H42	000112-95-8	93
4	Heneicosane	296	C21H44	000629-94-7	93
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93





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Quant Title : SVOA CALIBRATION

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

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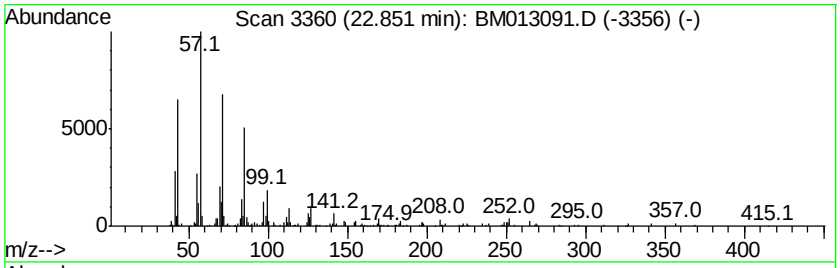
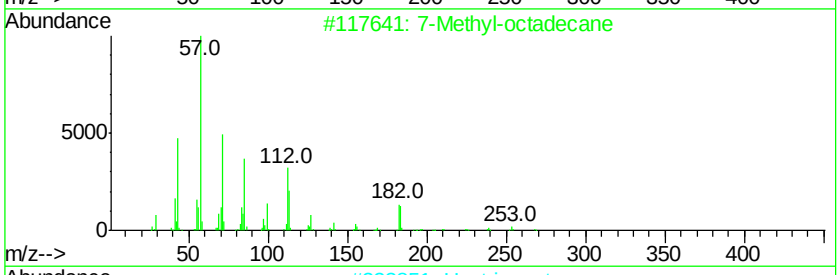
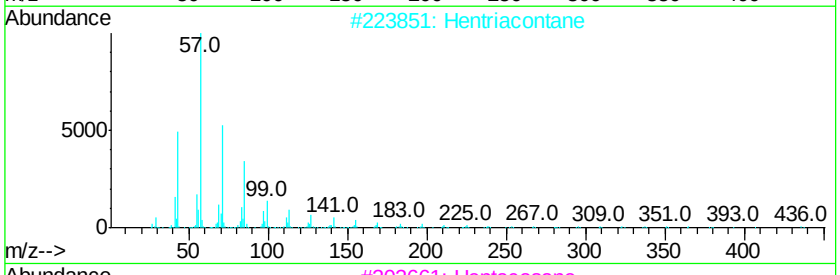
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 24

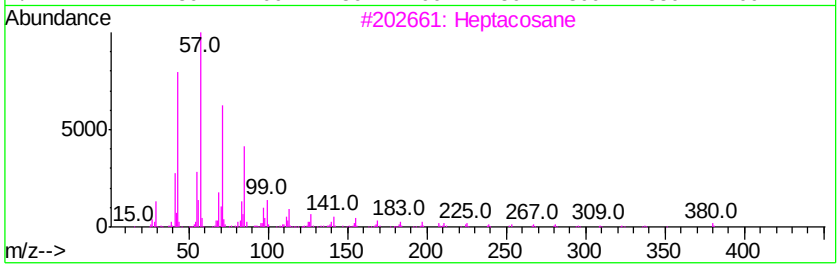
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	4.03 ng/ul	418023	Perylene-d12	23.51

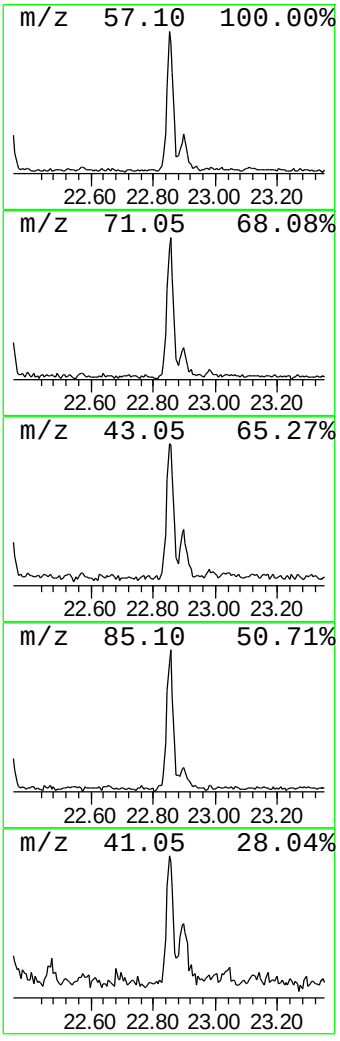
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methyl-octadecane	268	C19H40	1000192-63-3	91
2	Hentriacontane	437	C31H64	000630-04-6	87
3	Heptacosane	380	C27H56	000593-49-7	87
4	Hexacosane	366	C26H54	000630-01-3	86
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86











Data Path : Z:\HPCHEM1\BNA M\DATA\BM112217\
Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

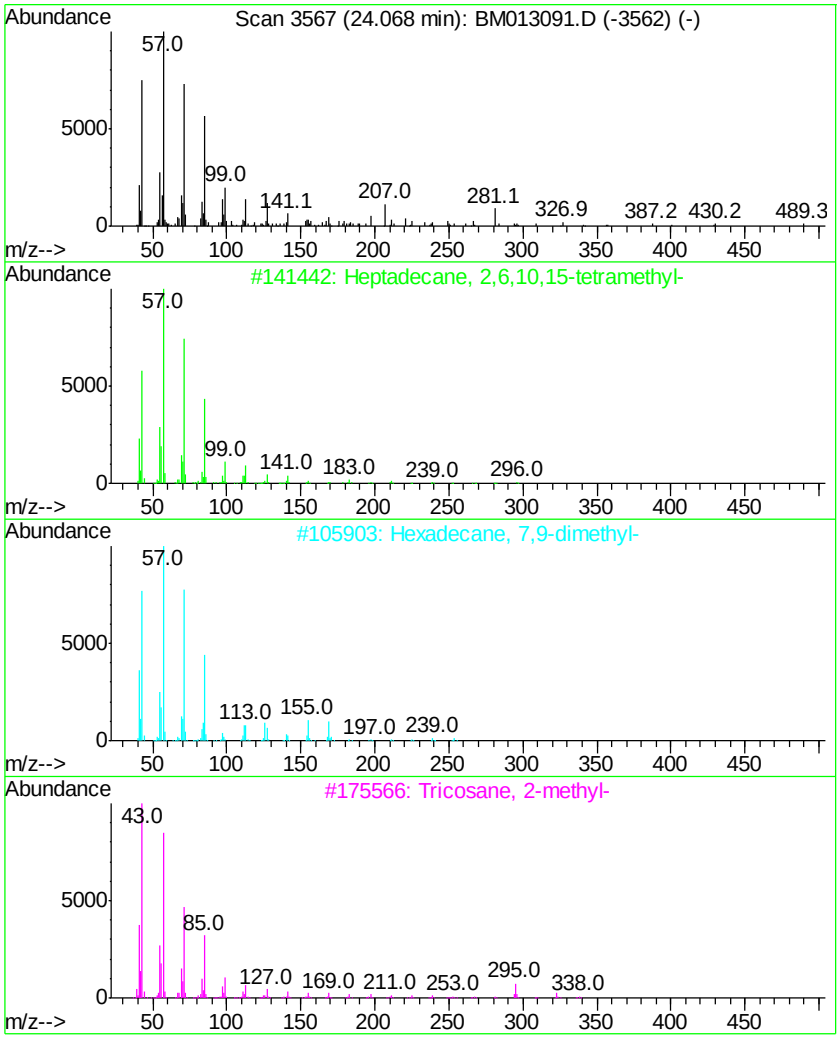
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

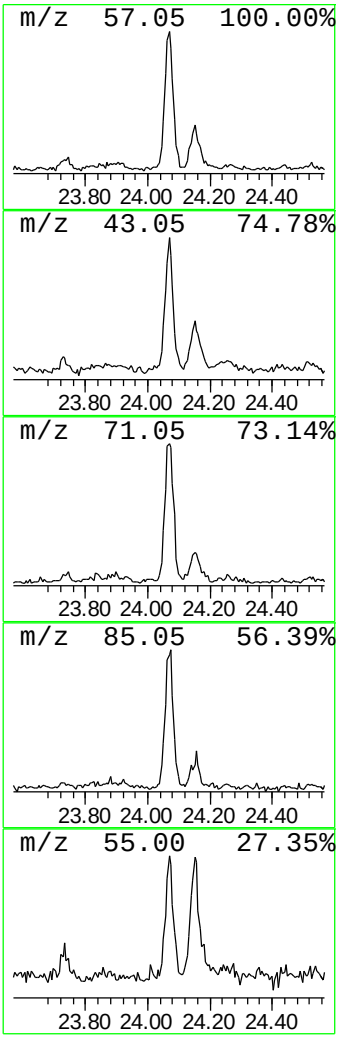
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	3.73 ng/ul	387281	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	89
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	89
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Triacontane	422	C30H62	000638-68-6	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM112217\
Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

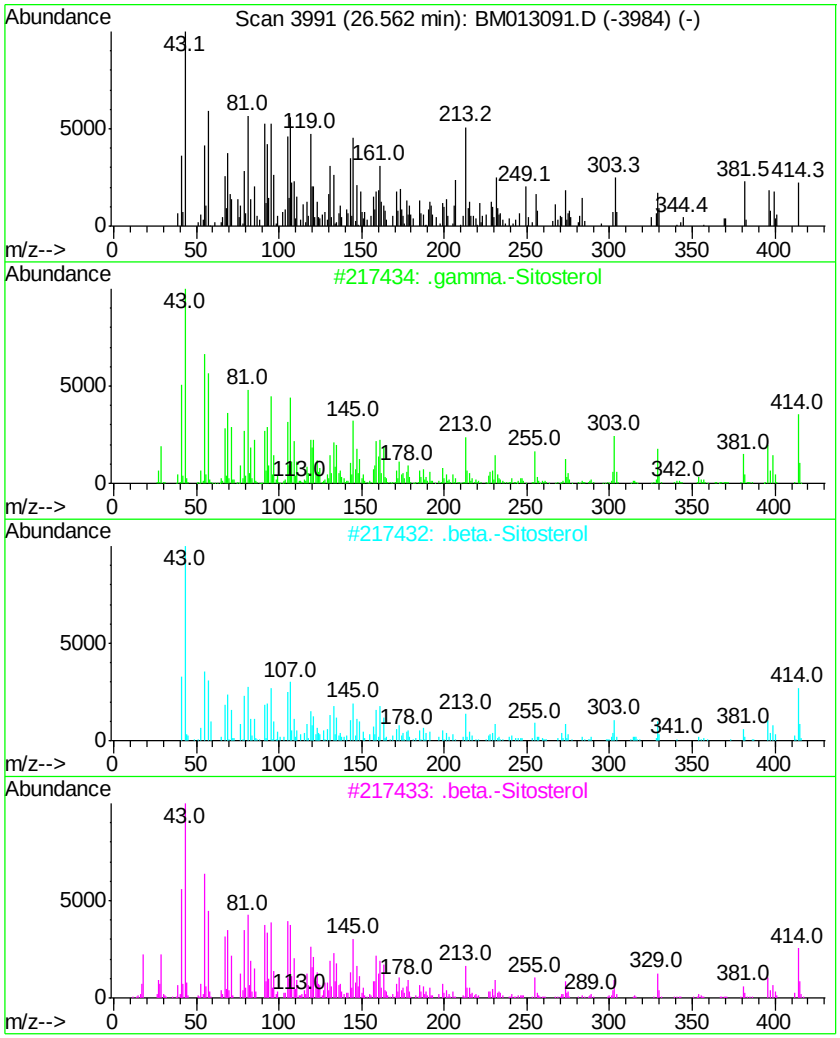
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

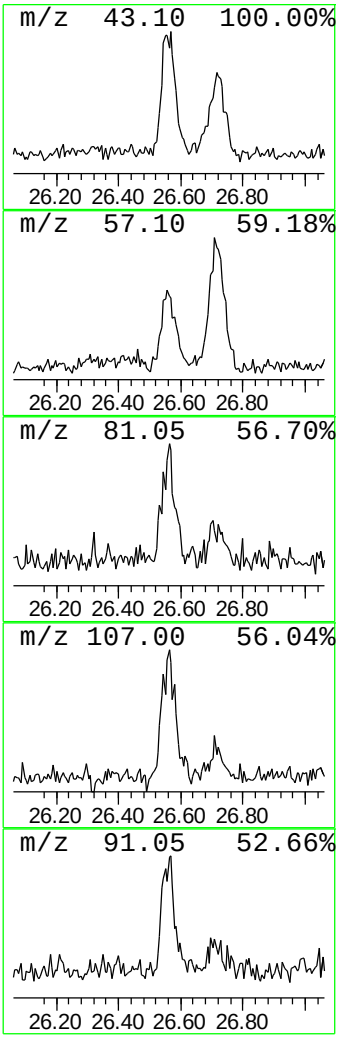
****

Peak Number 30 .gamma.-Sitosterol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.56	6.76 ng/ul	700952	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	93
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	90
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	70
4	Stigmastan-3,5-diene	396	C29H48	1000214-16-4	47
5	Campesterol	400	C28H48O	000474-62-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112217\
Data File : BM013091.D
Acq On : 22 Nov 2017 18:32
Operator : SJ/JU
Sample : I6514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.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
(1R)-2,6,6-Trimet...	6.41	9.0	ng/ul	622394	1	7.72	1389240	20.0
.beta.-Myrcene	7.19	29.6	ng/ul	2056670	1	7.72	1389240	20.0
.alpha.-Phellandrene	7.57	439.2	ng/ul	30508200	1	7.72	1389240	20.0
p-Cymene	7.85	44.1	ng/ul	3062510	1	7.72	1389240	20.0
D-Limonene	7.93	13.5	ng/ul	935512	1	7.72	1389240	20.0
Bicyclo[3.1.0]hex...	7.99	46.7	ng/ul	3242770	1	7.72	1389240	20.0
1,6-Octadien-3-ol...	8.96	6.9	ng/ul	480581	1	7.72	1389240	20.0
Tricyclo[5.2.1.0(...	10.70	3.3	ng/ul	326138	2	10.49	1988770	20.0
Phenol, 4-(1-meth...	10.85	8.2	ng/ul	809994	2	10.49	1988770	20.0
(DEL) Alkane: Cyc...	11.83	5.3	ng/ul	523510	2	10.49	1988770	20.0
unknown-01	12.46	12.7	ng/ul	1588790	3	14.35	2504150	20.0
unknown-02	12.51	2.7	ng/ul	337446	3	14.35	2504150	20.0
unknown-03	12.70	11.9	ng/ul	1491940	3	14.35	2504150	20.0
unknown-04	12.80	12.0	ng/ul	1505140	3	14.35	2504150	20.0
Cyclohexane, 1-et...	13.23	15.2	ng/ul	1908530	3	14.35	2504150	20.0
Caryophyllene	13.67	14.7	ng/ul	1846110	3	14.35	2504150	20.0
2-Isopropenyl-4a,...	14.20	5.2	ng/ul	647668	3	14.35	2504150	20.0
Naphthalene, 1,2,...	14.42	37.7	ng/ul	4725160	3	14.35	2504150	20.0
Guaia-1(10),11-diene	14.47	23.7	ng/ul	2972190	3	14.35	2504150	20.0
1-Hydroxy-1,7-dim...	15.25	13.4	ng/ul	1671860	3	14.35	2504150	20.0
Bicyclo[3.3.0]oct...	15.80	3.8	ng/ul	573013	4	17.10	3039630	20.0
n-Hexadecanoic acid	18.01	9.7	ng/ul	1476240	4	17.10	3039630	20.0
9,12-Octadecadien...	19.14	2.3	ng/ul	349424	4	17.10	3039630	20.0
9-Octadecenoic ac...	19.17	7.7	ng/ul	1169460	4	17.10	3039630	20.0
Octadecanoic acid	19.29	6.4	ng/ul	849385	5	21.28	2650490	20.0
(DEL) Alkane: Cyc...	21.01	4.2	ng/ul	560766	5	21.28	2650490	20.0
(DEL) Alkane: Str...	21.89	3.9	ng/ul	515219	5	21.28	2650490	20.0
(DEL) Alkane: Str...	22.85	4.0	ng/ul	418023	6	23.51	2074700	20.0
(DEL) Alkane: Str...	24.07	3.7	ng/ul	387281	6	23.51	2074700	20.0
.gamma.-Sitosterol	26.56	6.8	ng/ul	700952	6	23.51	2074700	20.0