LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

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-BM102417.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	4.387	212	221	230	rVB	371410	619944	1.01%	0.321%
2	4.540	242	247	255	rVB	736857	1087927	1.77%	0.564%
3	5.081	334	339	344	rBV	553193	818489	1.34%	0.424%
4	5.581	415	424	432	rVB	574676	949030	1.55%	0.492%
5	5.758	445	454	458	rVV2	453244	844366	1.38%	0.438%
6	5.822	460	465	470	rVV3	392907	709650	1.16%	0.368%
7	6.146	512	520	523	rBV5	458863	998874	1.63%	0.518%
8	6.375	549	559	565	rBV3	573580	1300193	2.12%	0.674%
9	6.499	569	580	587	rBV6	343941	1048476	1.71%	0.543%
10	6.852	630	640	645	rBV	324359	674405	1.10%	0.349%
11	7.005	661	666	674	rBV3	627039	1691103	2.76%	0.876%
12	7.187	692	697	703	rVV	1272906	1988005	3.24%	1.030%
13	7.393	727	732	739	rVV	1451741	2434558	3.97%	1.262%
14	7.463	739	744	749	rVB	435985	717804	1.17%	0.372%
15	7.857	805	811	817	rVB	1343465	2117524	3.45%	1.097%
16	8.128	851	857	860	rBV	909534	1467018	2.39%	0.760%
17	8.163	860	863	868	rVB	647198	989370	1.61%	0.513%
18	8.228	868	874	880	rBV	1635920	2551502	4.16%	1.322%
19	8.557	922	930	938	rVB2	1391982	2645972	4.32%	1.371%
20	8.687	939	952	957	rVV	335427	637488	1.04%	0.330%
21	8.957	993	998	1003	rBV	1448517	2287332	3.73%	1.185%
22	9.016	1003	1008	1009	rVV	1496032	2332972	3.81%	1.209%
23	9.040	1009	1012	1022	rVB	2076443	3248923	5.30%	1.684%
24	9.199	1031	1039	1043	rBV3	300781	705279	1.15%	0.365%
25	9.304	1049	1057	1063	rBV	547644	961595	1.57%	0.498%
26	9.481	1073	1087	1093	rBV	676230	1325028	2.16%	0.687%
27	9.734	1124	1130	1135	rVB	1277449	2208901	3.60%	1.145%
28	9.846	1143	1149	1160	rBV4	410684	1003833	1.64%	0.520%
29	10.046	1173	1183	1191	rBV2	978361	1887180	3.08%	0.978%
30	10.269	1214	1221	1230	rVV	2190199	3991993	6.51%	2.069%
31	10.381	1231	1240	1246	rVB4	306612	727259	1.19%	0.377%
32	10.646	1273	1285	1291	rBV	1922787	3435797	5.60%	1.780%
33	10.775	1300	1307	1318	rBV3	728727	1464124	2.39%	0.759%
34	12.522	1596	1604	1609	rBV4	281587	666723	1.09%	0.345%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

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-BM102417.M
Title : SVOA CALIBRATION

35	12.992	1676	1684	1695	rVB	598294	1512798	2.47%	0.784%
36	13.292	1728	1735	1739	rBV3	514480	1074929	1.75%	0.557%
37	13.722	1803	1808	1812	rBV	596565	925844	1.51%	0.480%
38	13.898	1832	1838	1843	rBV	3591363	5123001	8.36%	2.655%
39	14.181	1880	1886	1894	rVB	4013401	6402197	10.44%	3.318%
40	14.486	1929	1938	1943	rBV2	2570446	4058363	6.62%	2.103%
41	14.622	1943	1961	1969	rVV	19174510	61309768	100.00%	31.771%
42	14.692	1969	1973	1983	rVV3	791404	1743568	2.84%	0.904%
43	15.145	2044	2050	2055	rBV3	381413	671129	1.09%	0.348%
44	15.251	2063	2068	2081	rVB	1038728	2083302	3.40%	1.080%
45	15.480	2101	2107	2113	rVB	5236996	7193420	11.73%	3.728%
46	15.598	2122	2127	2141	rVB	1859414	2775673	4.53%	1.438%
47	17.227	2398	2404	2413	rBV2	3222176	4590862	7.49%	2.379%
48	17.327	2415	2421	2430	rBV	5893803	8146073	13.29%	4.221%
49	19.616	2804	2810	2815	rBV	7228450	9573418	15.61%	4.961%
50	21.398	3109	3113	3119	rBV	4538461	5815243	9.49%	3.013%
51	23.556	3473	3480	3491	rVB	5910976	11245260	18.34%	5.827%
52	23.698	3498	3504	3513	rVB	3242793	6191845	10.10%	3.209%

Sum of corrected areas: 192975330

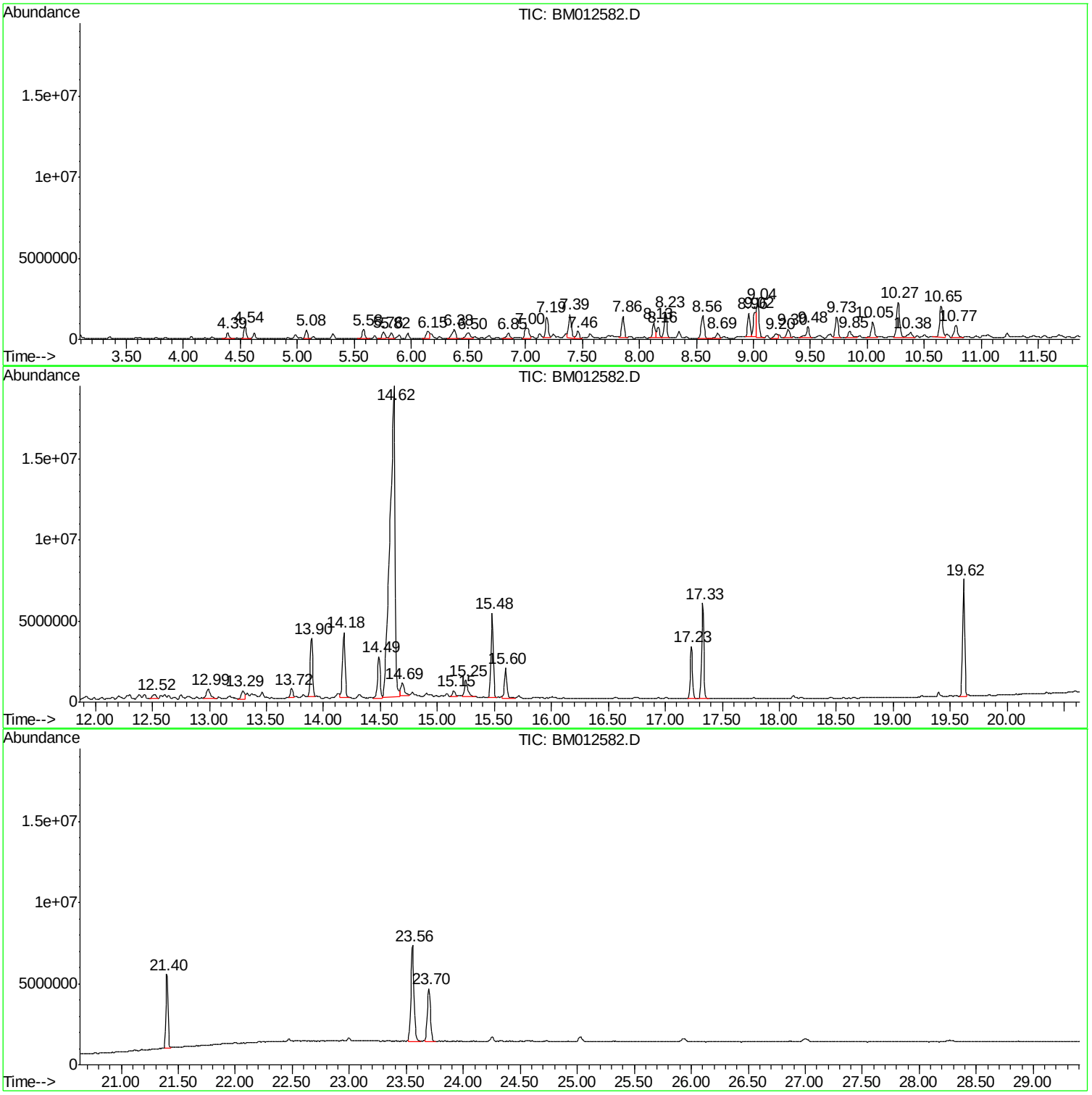
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

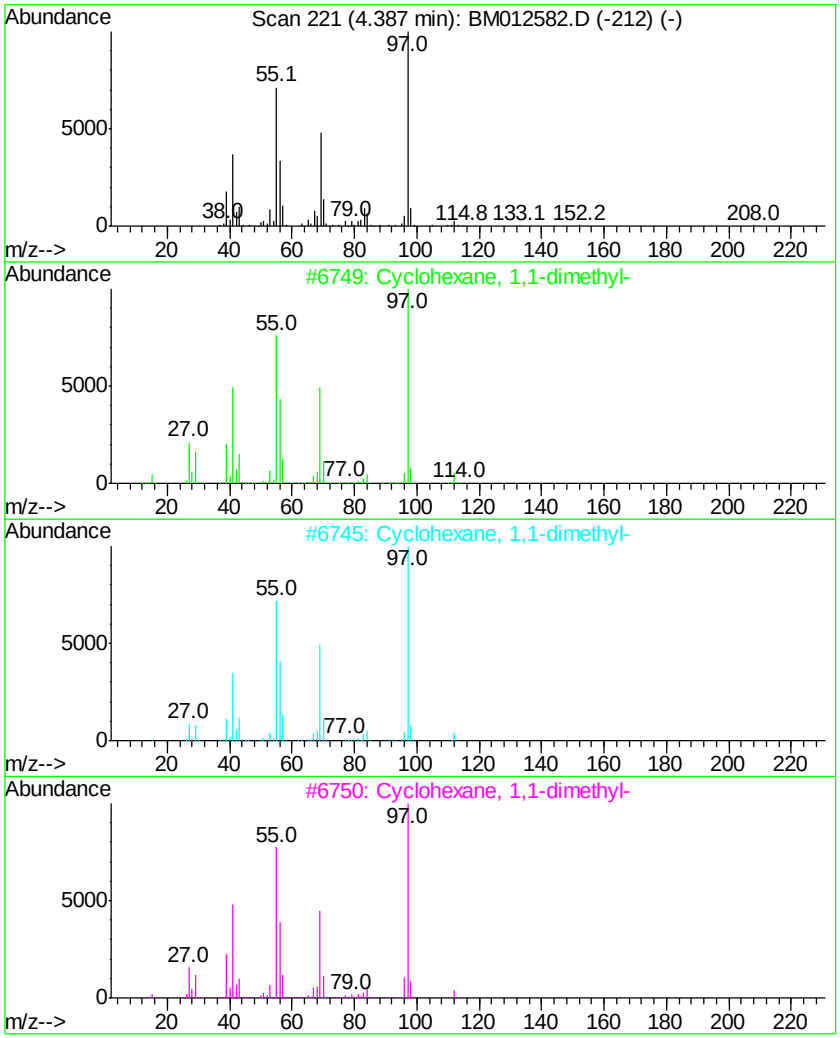
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

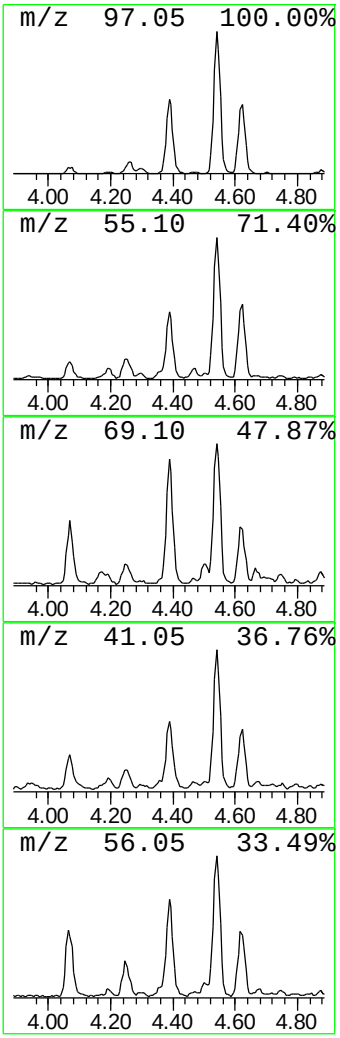
****

Peak Number 1 (DEL) Alkane: Cyclic4.39 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	5.86 ng/ul	619944	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	95
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

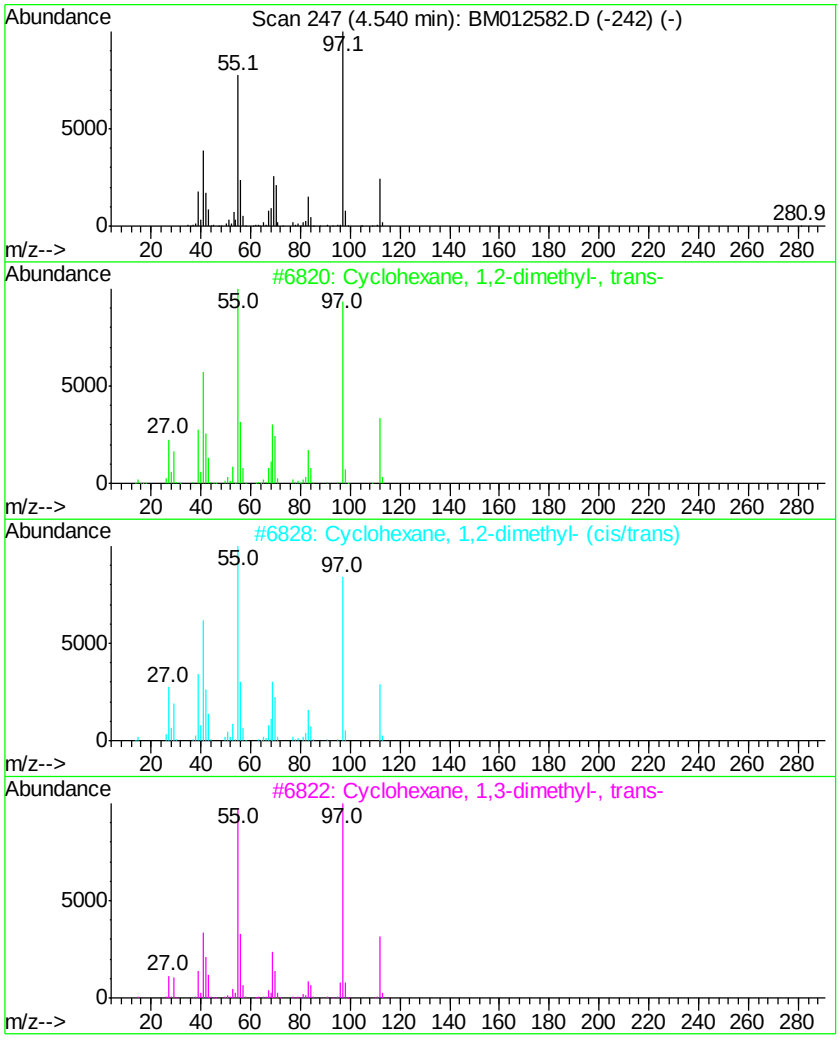
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

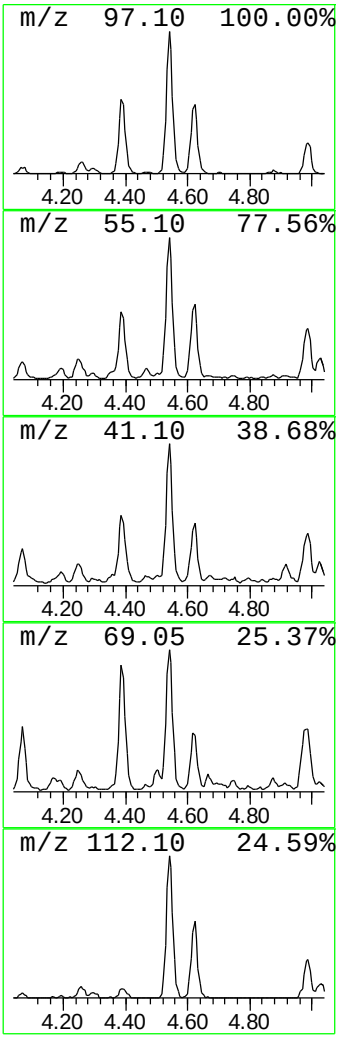
****

Peak Number 2 (DEL) Alkane: Cyclic4.54 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.54	10.28 ng/ul	1087930	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	80
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

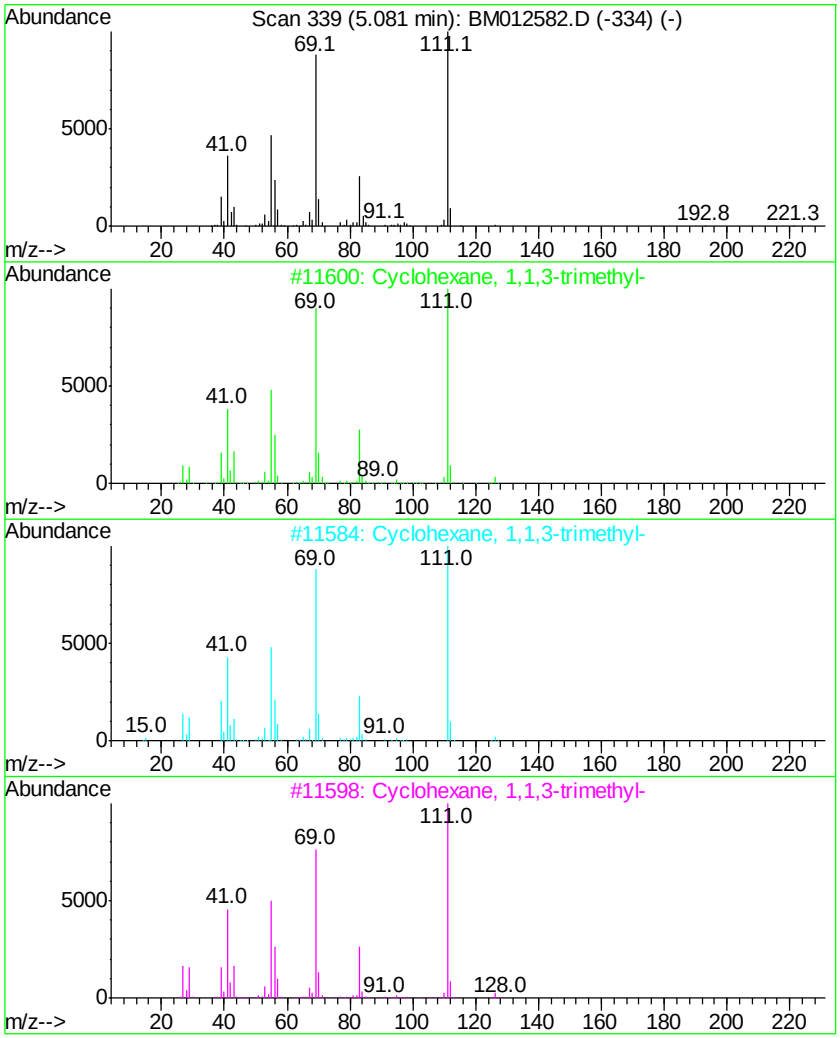
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

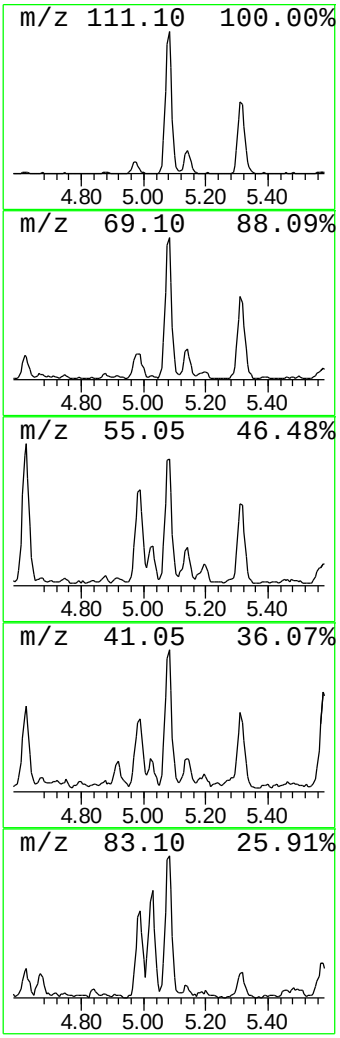
****

Peak Number 3 (DEL) Alkane: Cyclic5.08 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	7.73 ng/ul	818489	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

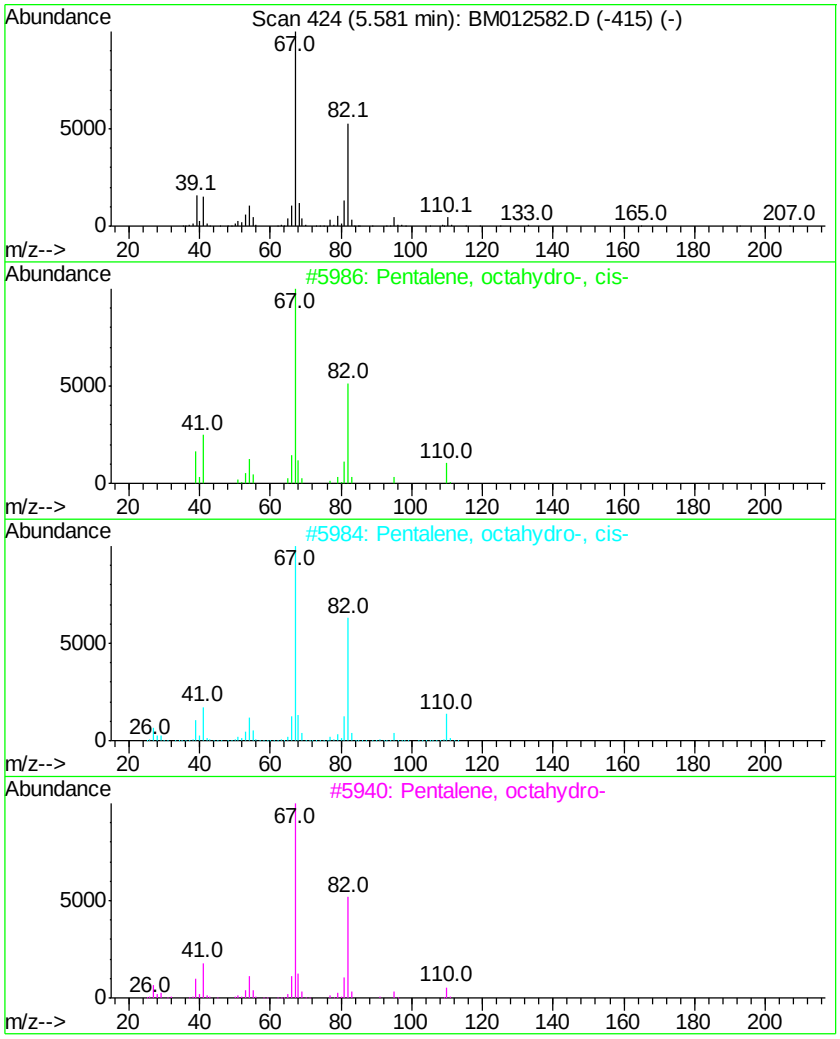
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

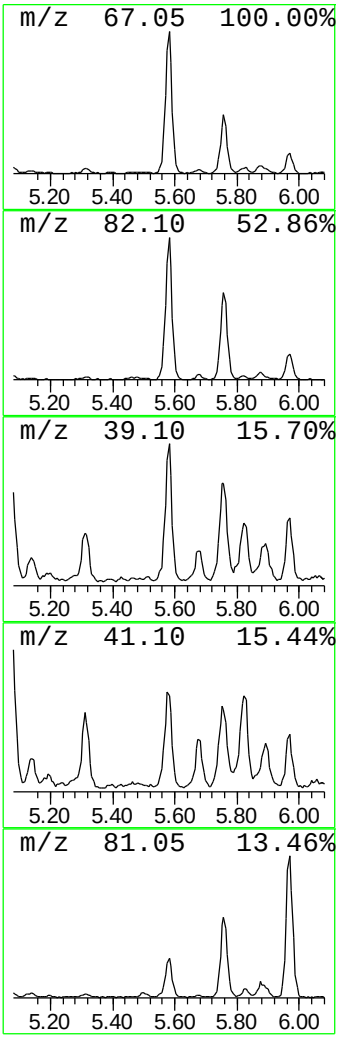
****

Peak Number 4 Pentalene, octahydro-, cis- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	8.96 ng/ul	949030	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
3	Pentalene, octahydro-	110	C8H14	000694-72-4	91
4	Ethyl (E)-hex-3-enyl carbonate	172	C9H16O3	1000373-83-8	72
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

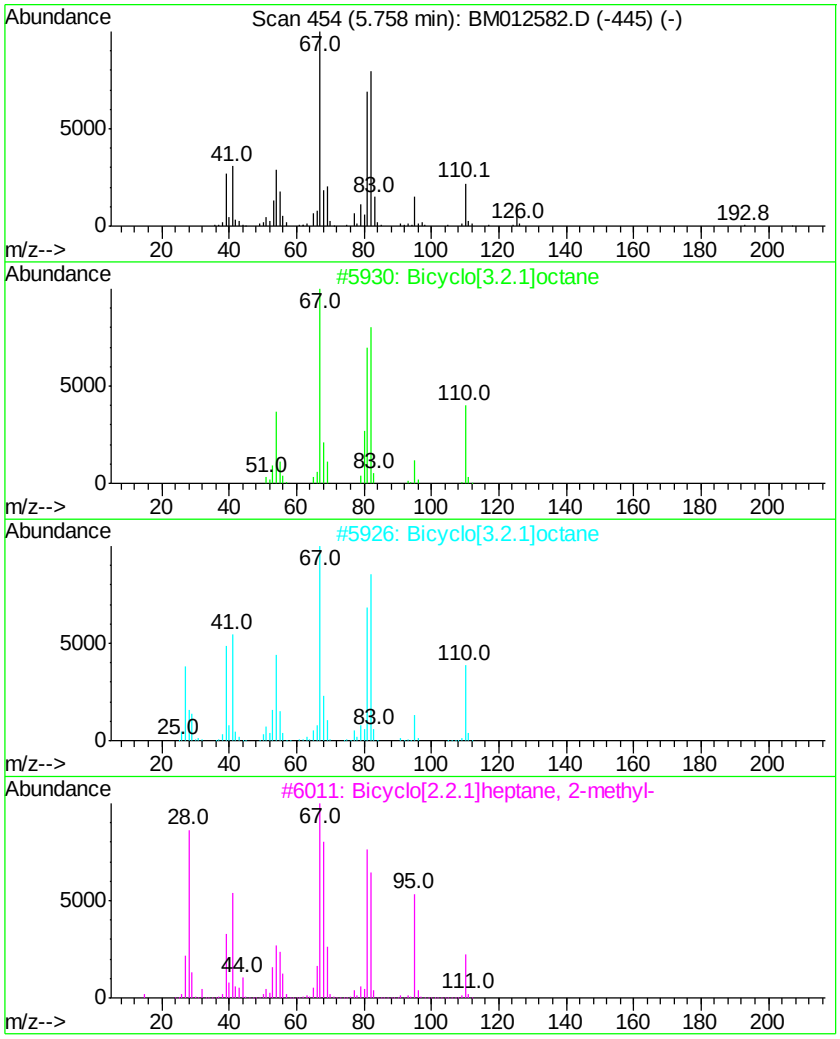
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

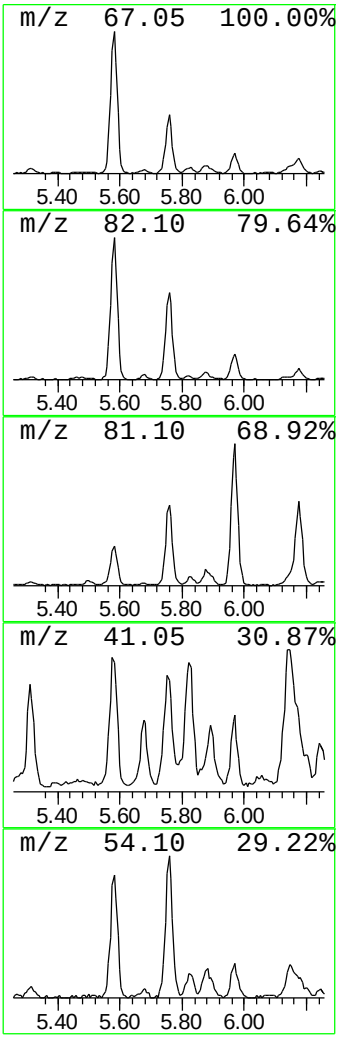
****

Peak Number 5 Bicyclo[3.2.1]octane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	7.98 ng/ul	844366	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	90
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	90
3	Bicyclo[2.2.1]heptane, 2-methyl-	110	C8H14	015185-11-2	83
4	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	76
5	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	70





Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

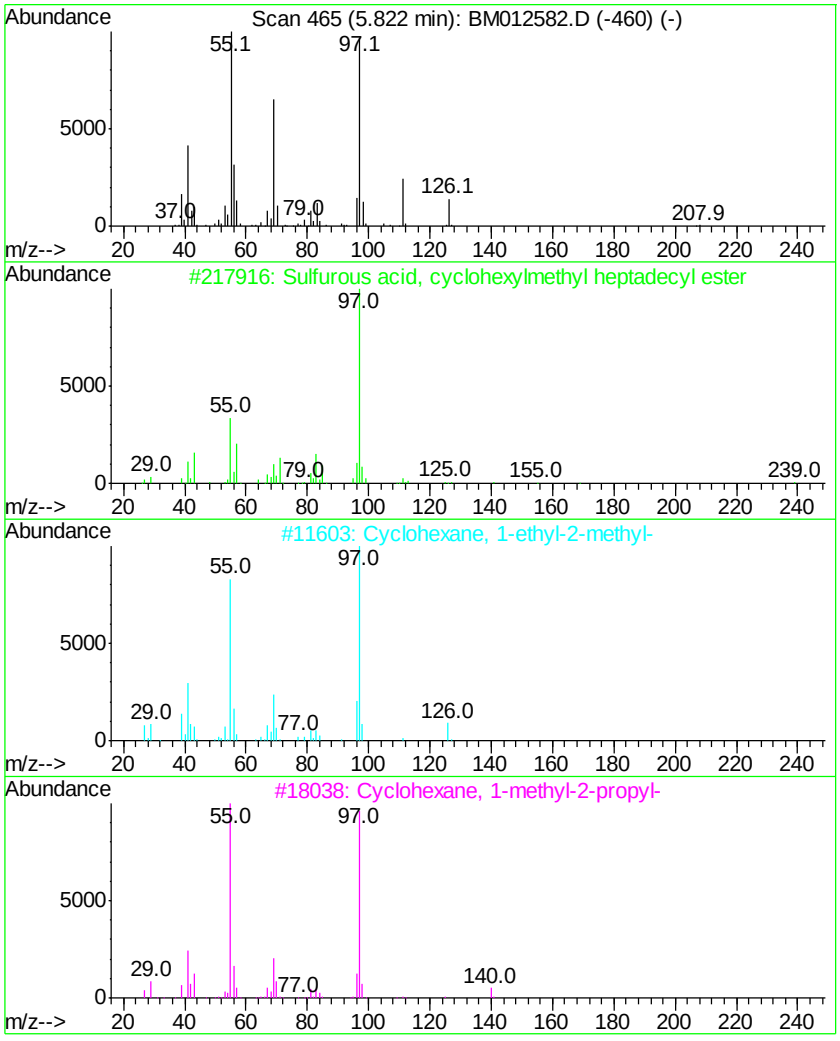
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

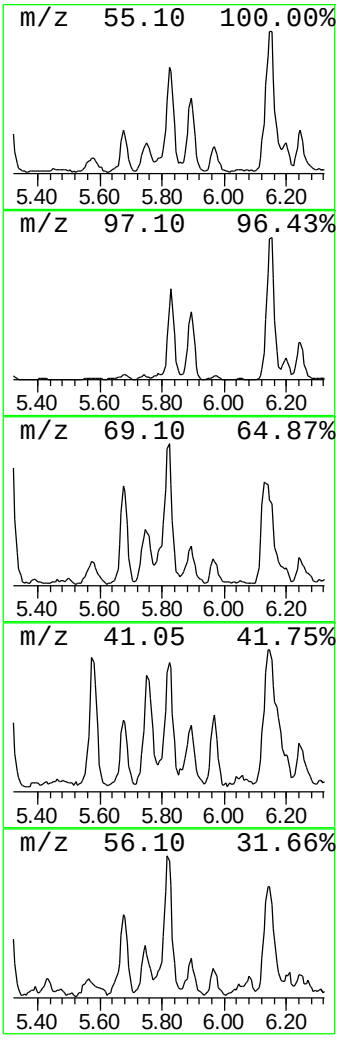
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Sulfurous acid, cyclohexylm... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	6.70 ng/ul	709650	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	72
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	68
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58





Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

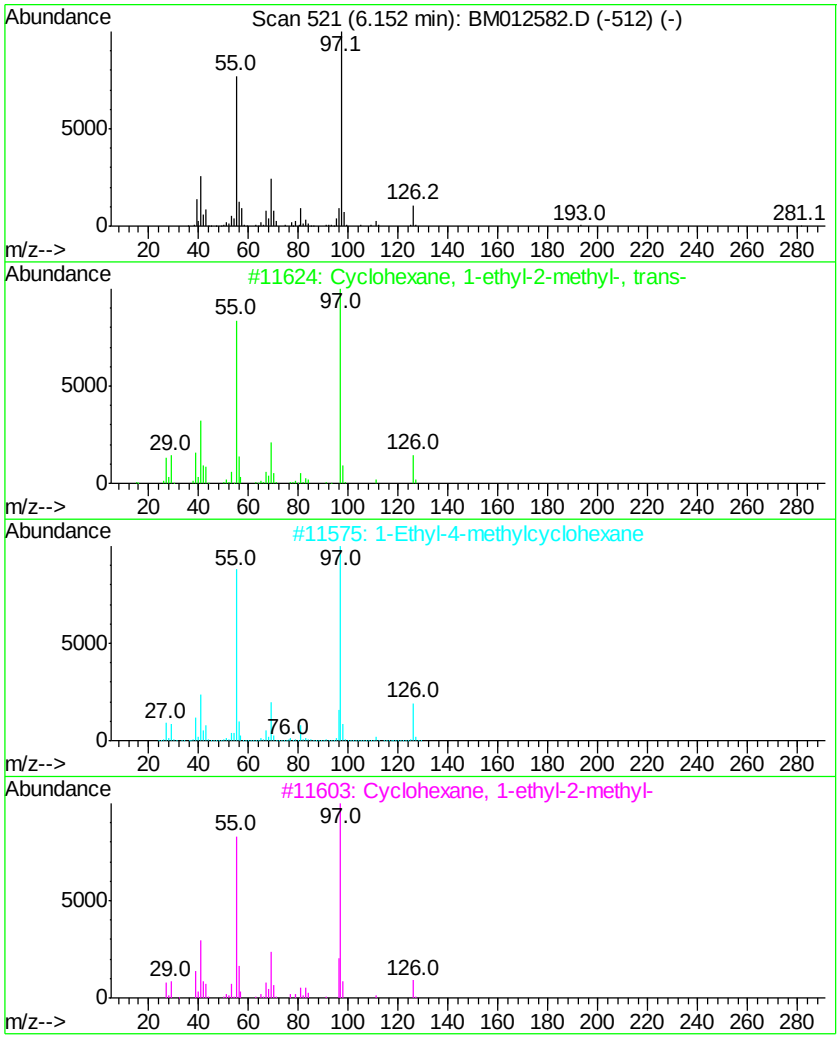
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

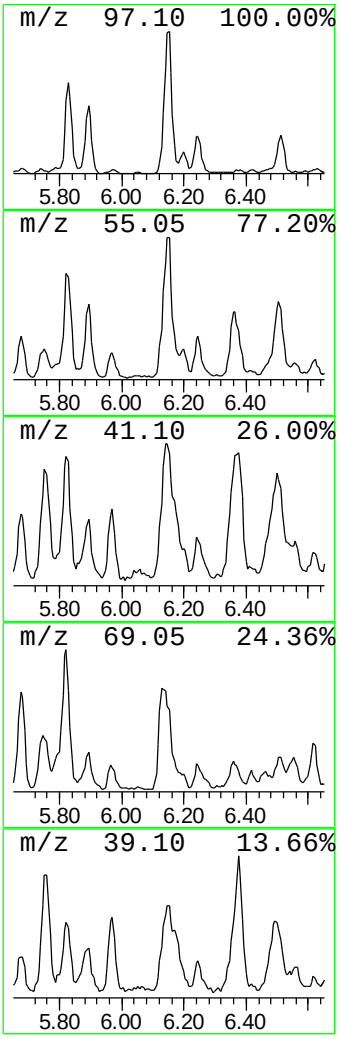
****

Peak Number 7 (DEL) Alkane: Cyclic6.15 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	9.43 ng/ul	998874	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	81
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	80
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

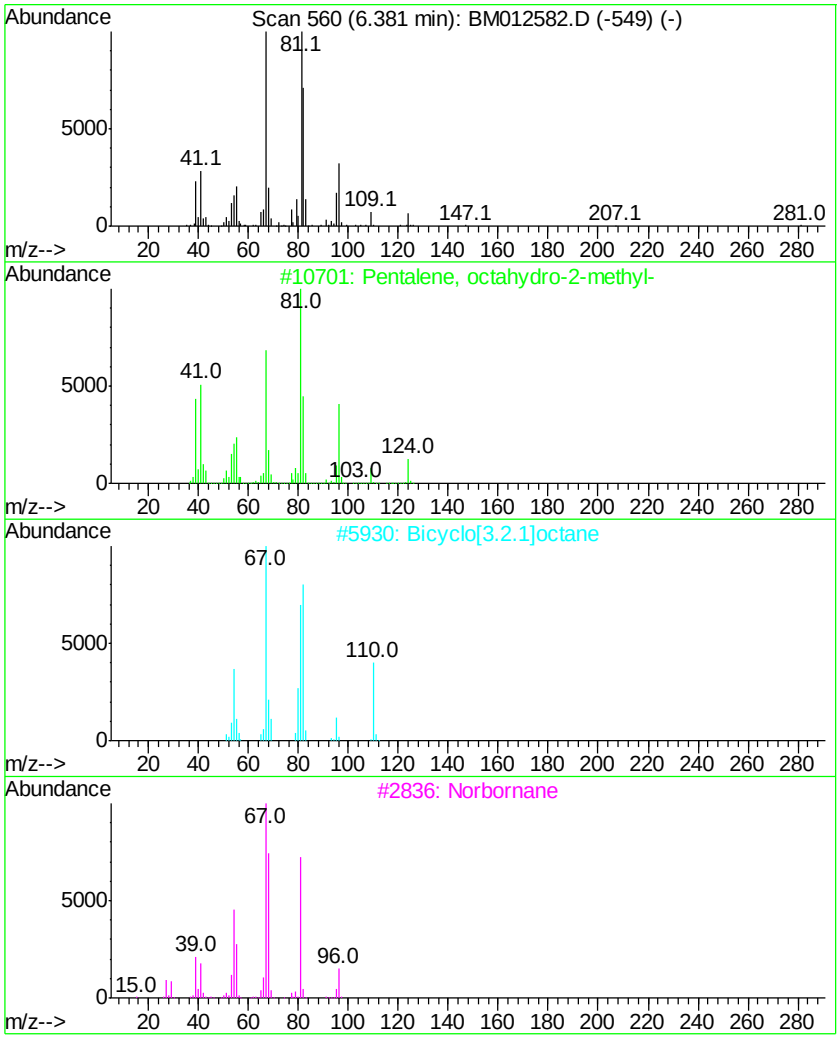
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

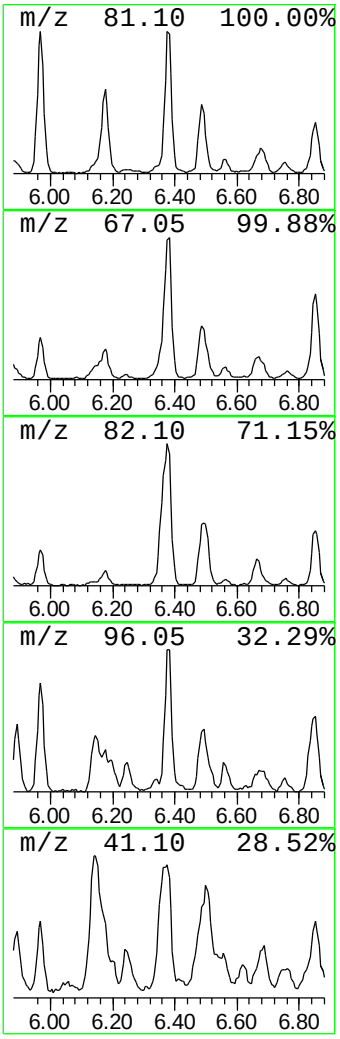
****

Peak Number 8 Pentalene, octahydro-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	12.28 ng/ul	1300190	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	62
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	47
3	Norbornane	96	C7H12	000279-23-2	47
4	2-Propanone, 1-(1H-pyrazol-1-yl)-	124	C6H8N2O	1000337-51-8	43
5	1,3-Pentadiene, 3-methyl-, (Z)-	82	C6H10	002787-45-3	43





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Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

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Quant Title : SVOA CALIBRATION

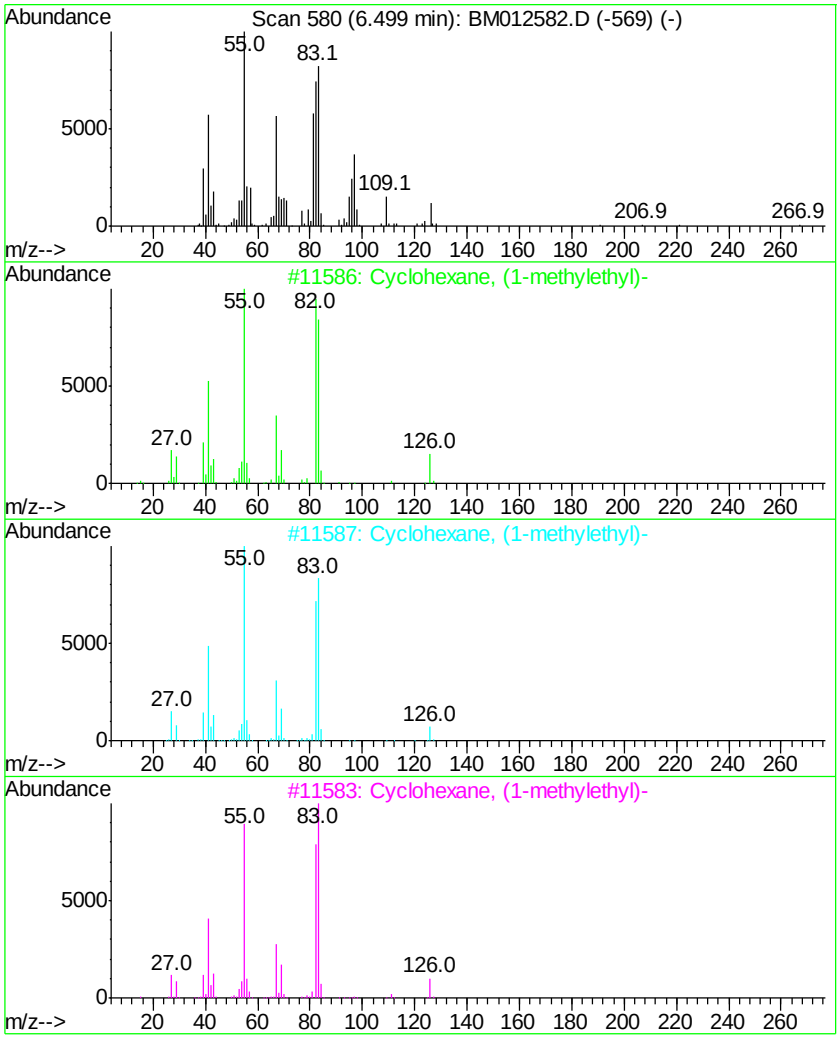
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

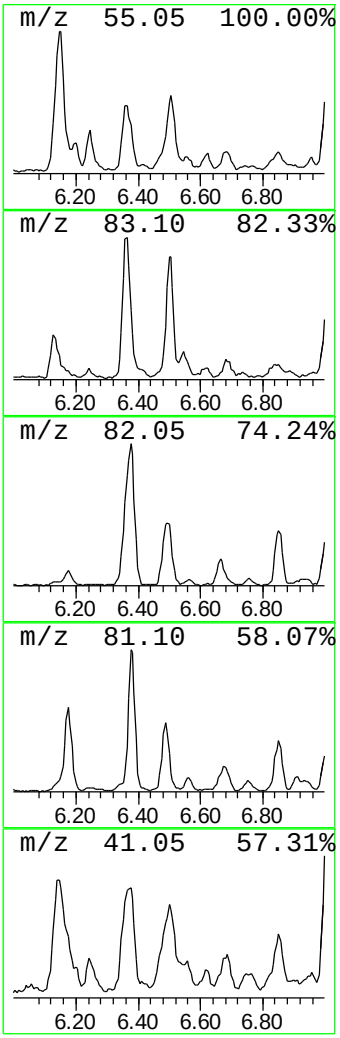
****

Peak Number 9 (DEL) Alkane: Cyclic6.50 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	9.90 ng/ul	1048480	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	70
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	62
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	52





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Instrument : BNA_M
ClientSampleId : TWP-B-68

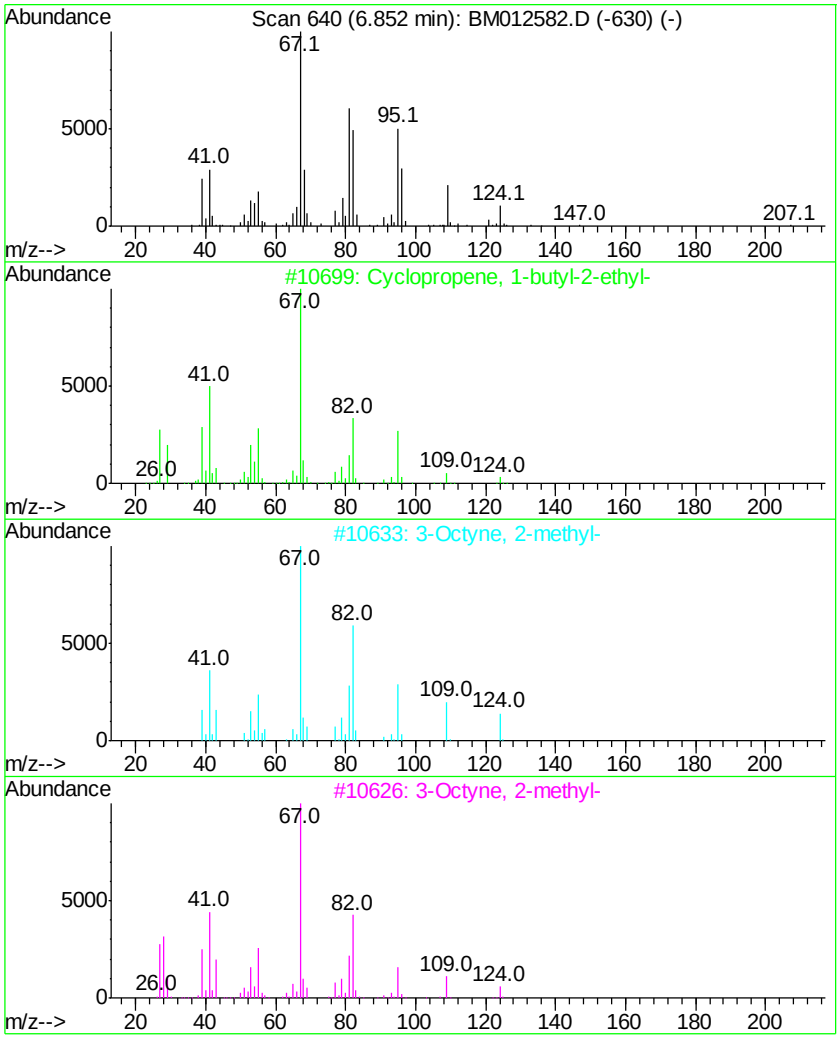
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

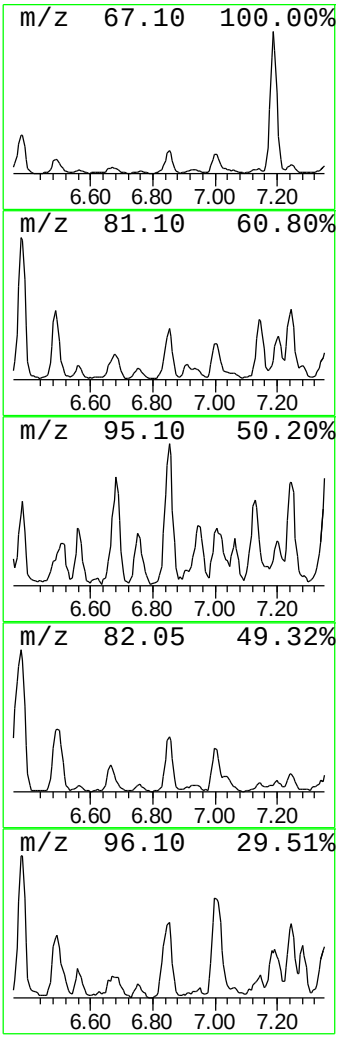
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopropene, 1-butyl-2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	6.37 ng/ul	674405	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropene, 1-butyl-2-ethyl-	124	C9H16	050915-91-8	72
2	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	64
3	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	52
4	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	52
5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52





Library Search Compound Report

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Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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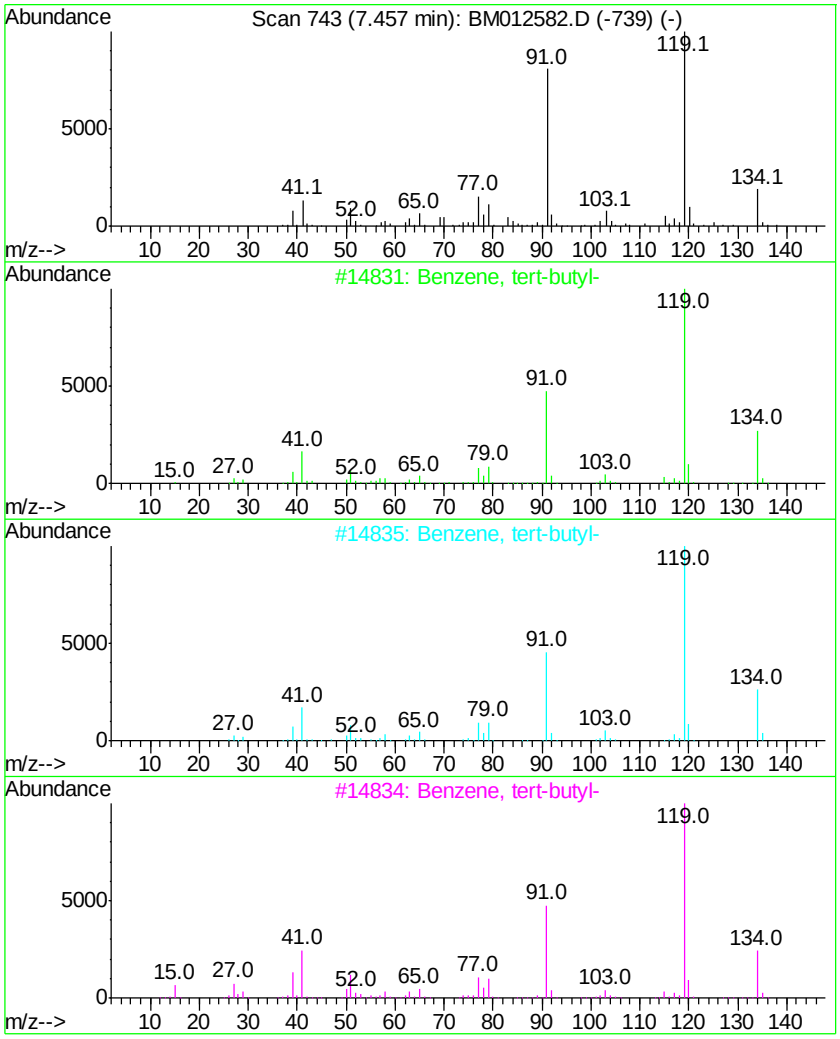
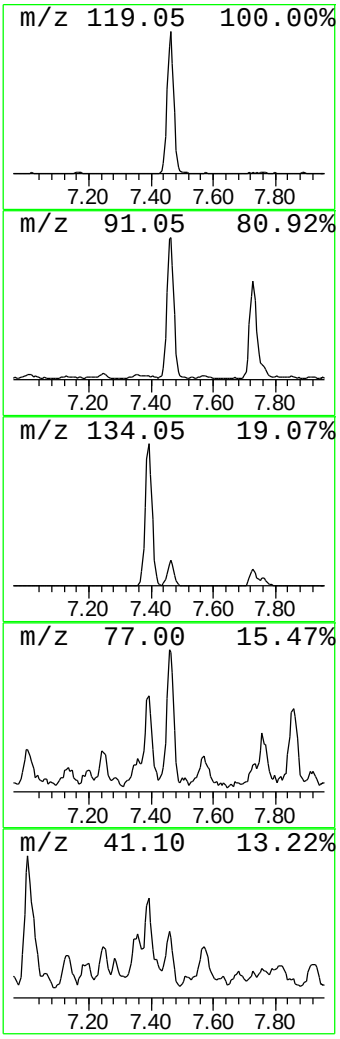
Peak Number 11 Benzene, tert-butyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	6.78 ng/ul	717804	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	94
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	87
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	87
4	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	72
5	o-Cymene	134	C10H14	000527-84-4	72





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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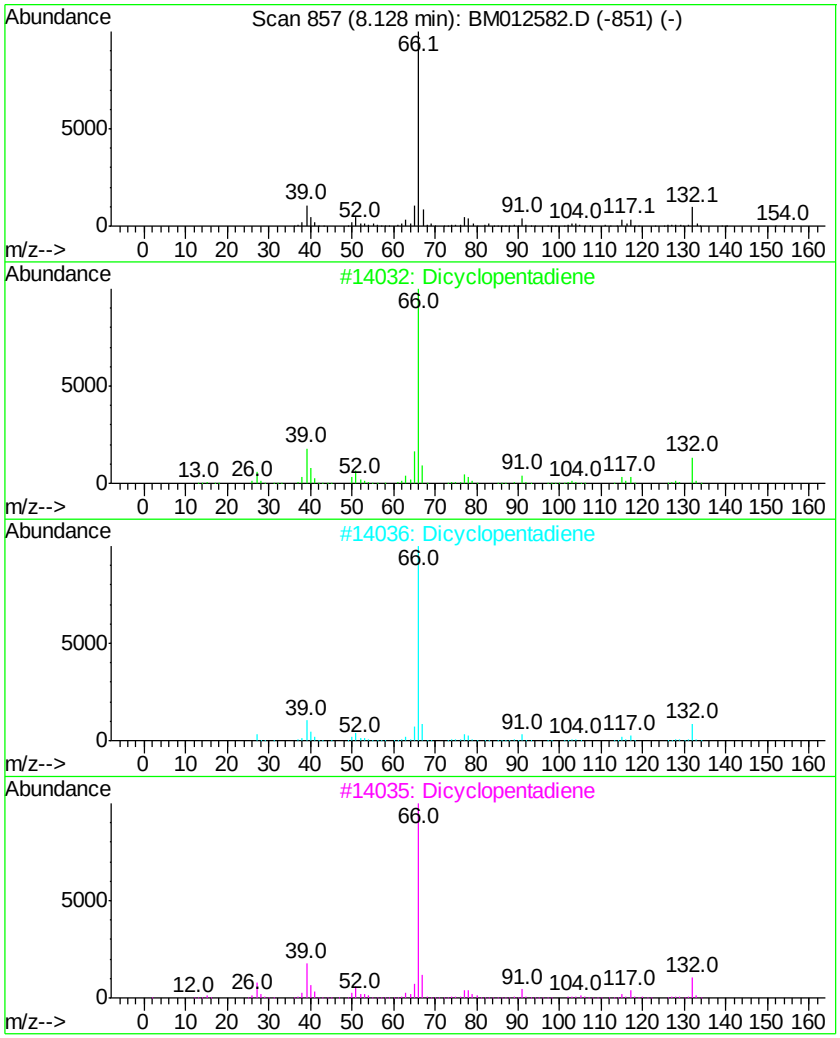
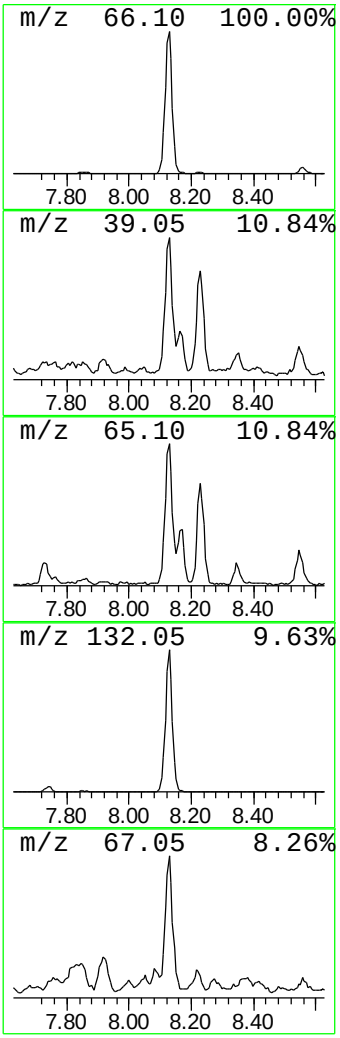
Peak Number 12 Dicyclopentadiene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	13.86 ng/ul	1467020	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopentadiene	132	C10H12	000077-73-6	94
2	Dicyclopentadiene	132	C10H12	000077-73-6	91
3	Dicyclopentadiene	132	C10H12	000077-73-6	91
4	Dicyclopentadiene	132	C10H12	000077-73-6	90
5	1,3,4-Metheno-1H-cyclobuta[cd]pe...	132	C10H12	006707-88-6	90





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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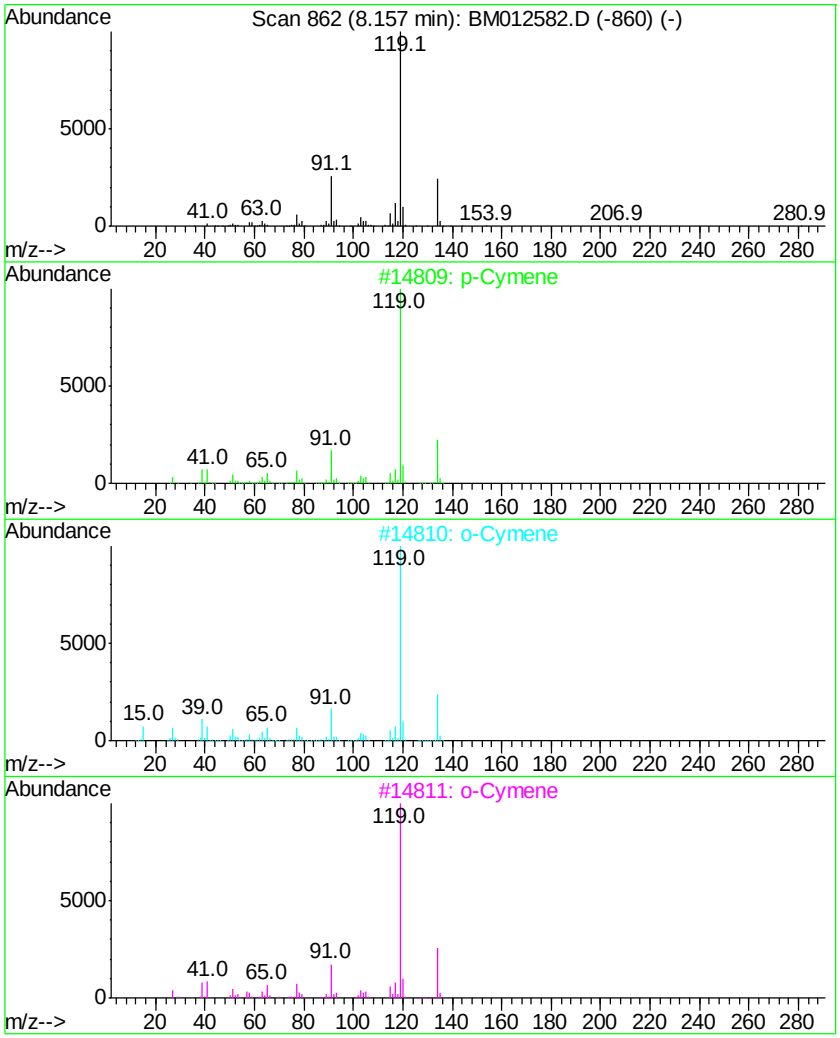
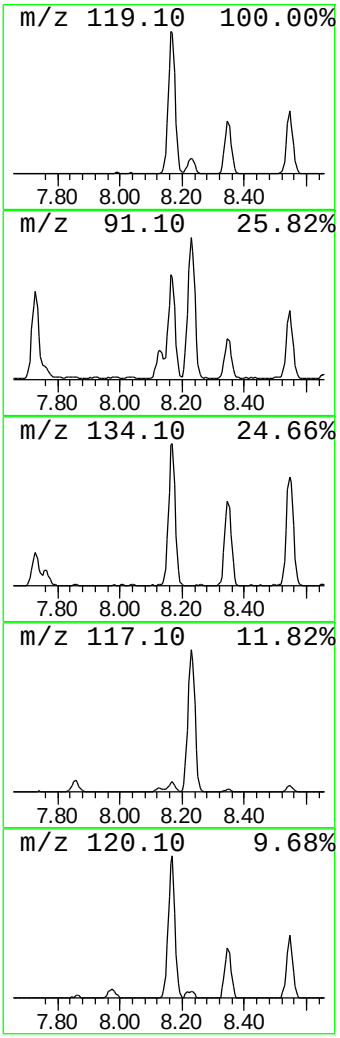
Peak Number 13 p-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	9.34 ng/ul	989370	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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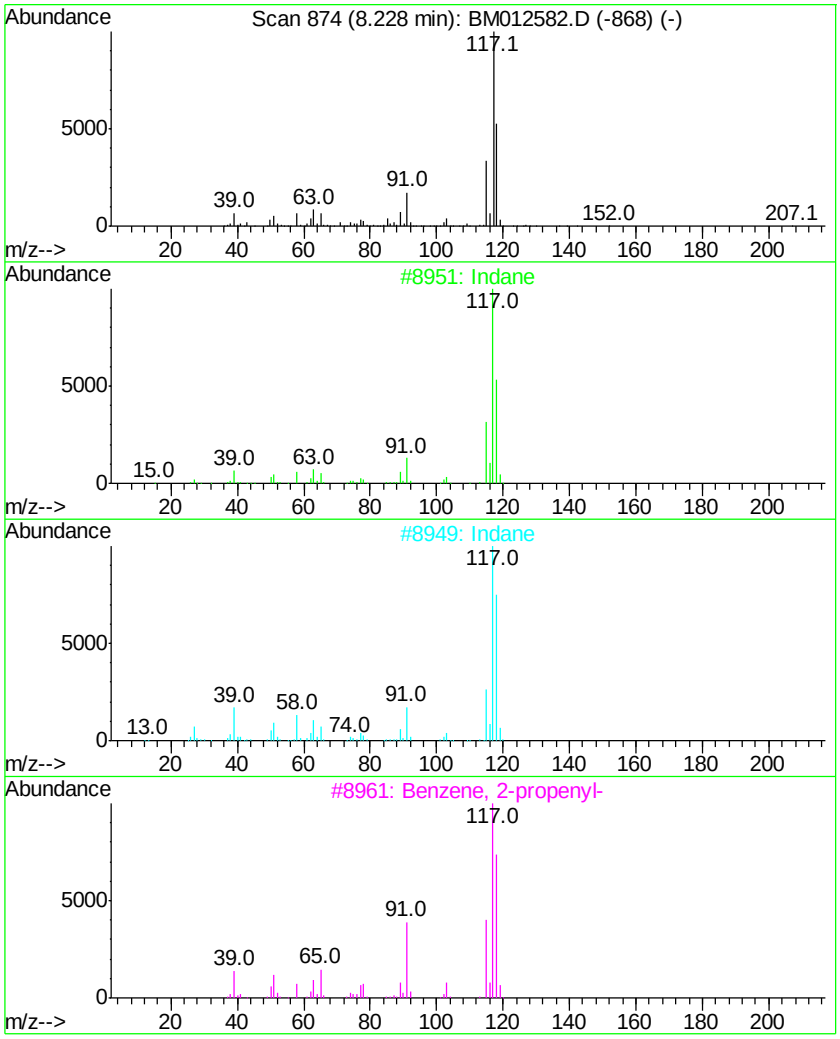
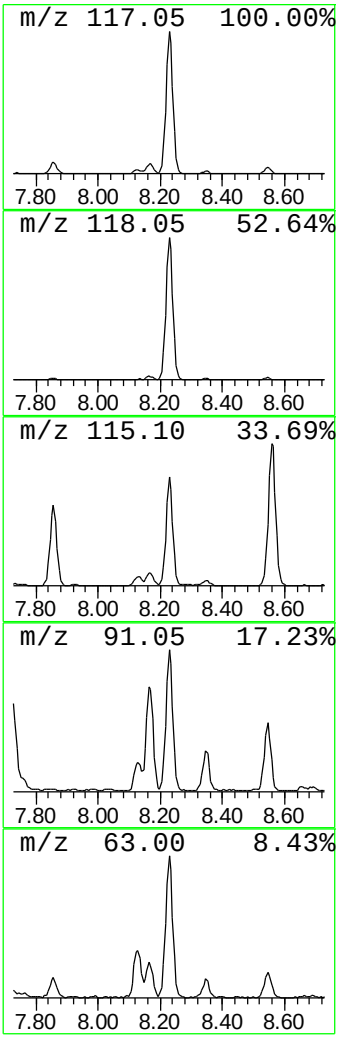
Peak Number 14 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	24.10 ng/ul	2551500	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Indane	118	C9H10	000496-11-7	60
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	53
4	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53





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Quant Title : SVOA CALIBRATION

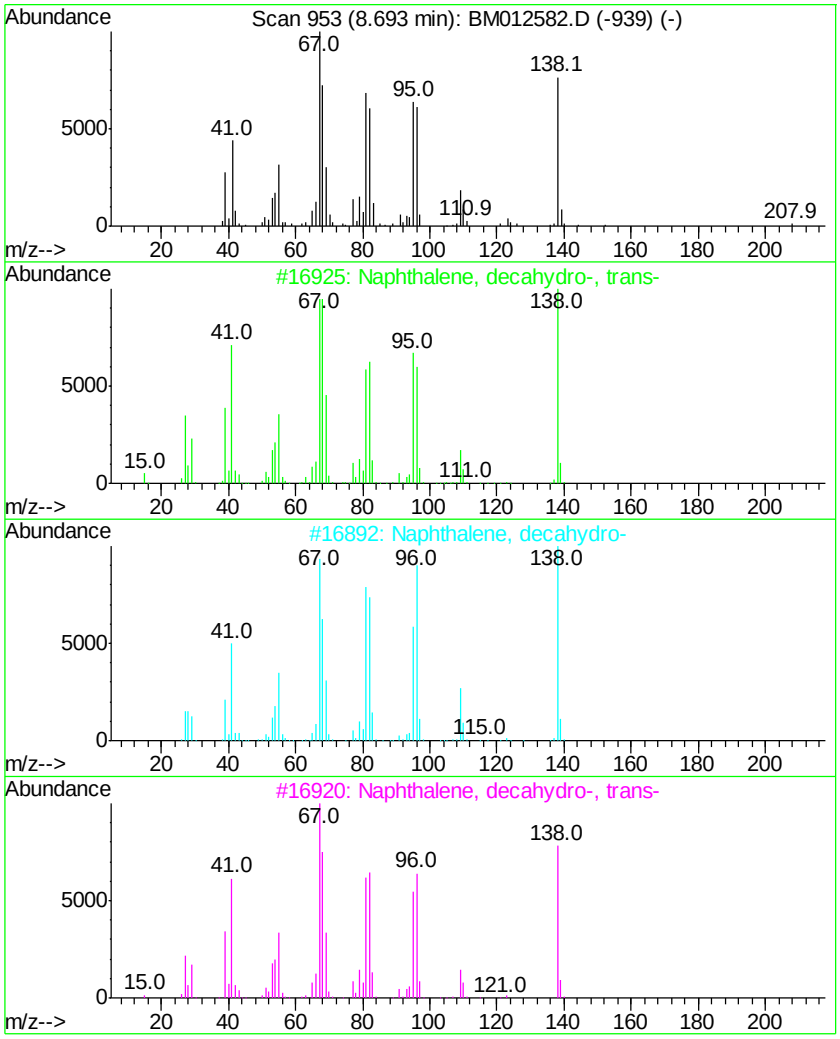
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

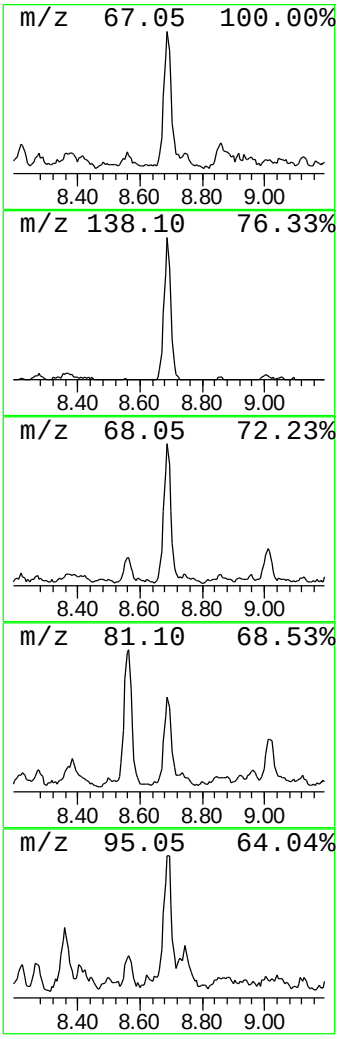
****

Peak Number 15 Naphthalene, decahydro-, tr... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	6.02 ng/ul	637488	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	98
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	97
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	94





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Instrument : BNA_M
ClientSampleId : TWP-B-68

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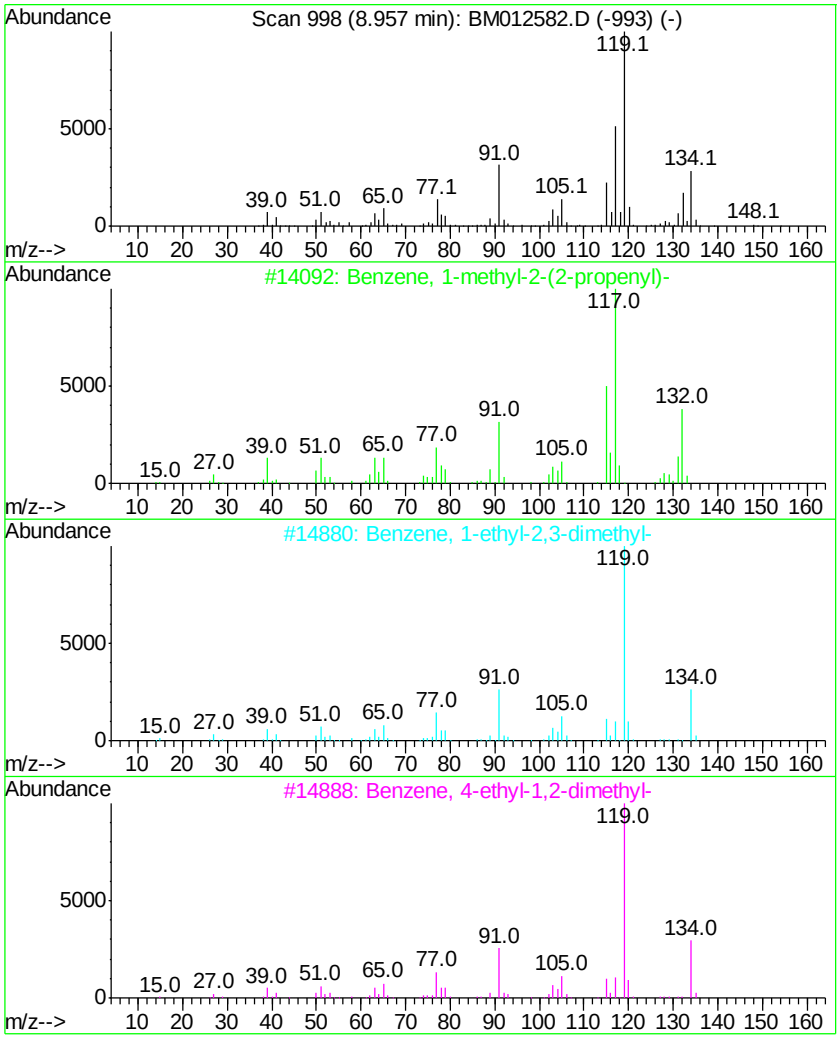
Quant Title : SVOA CALIBRATION

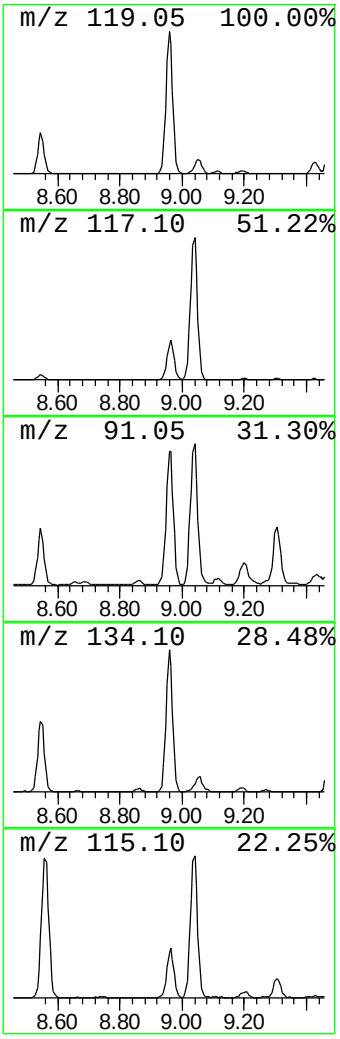
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	21.60 ng/ul	2287330	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64





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Quant Title : SVOA CALIBRATION

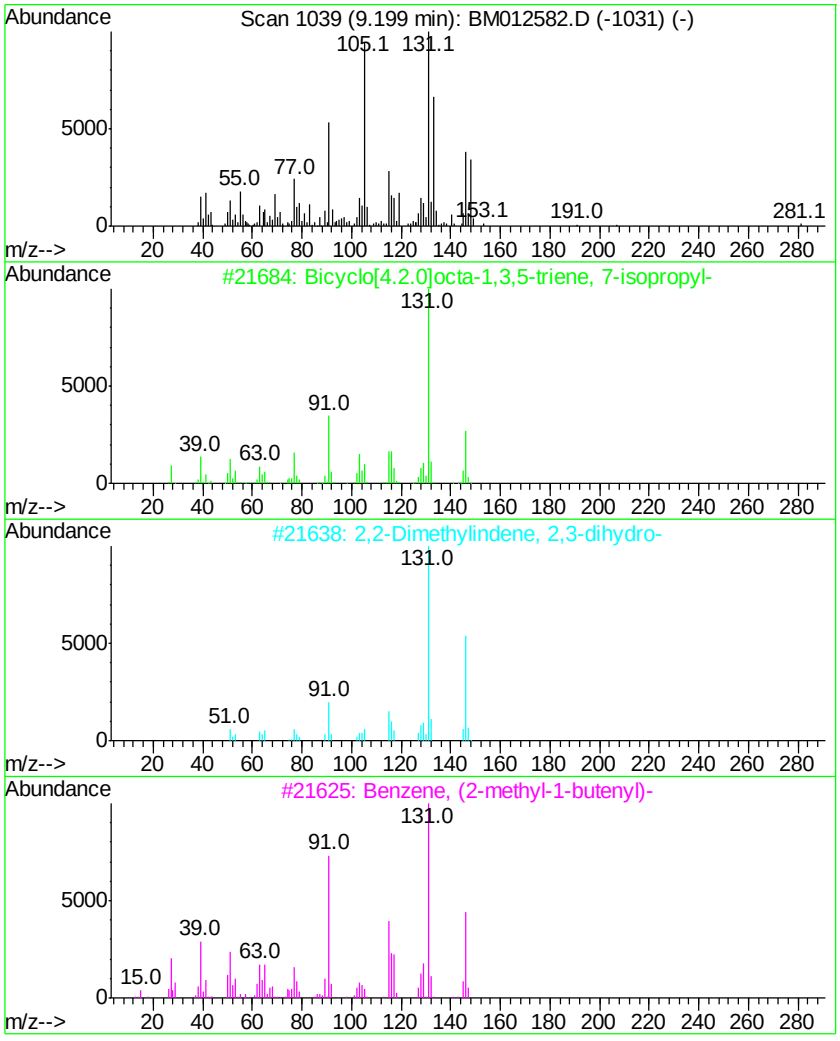
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

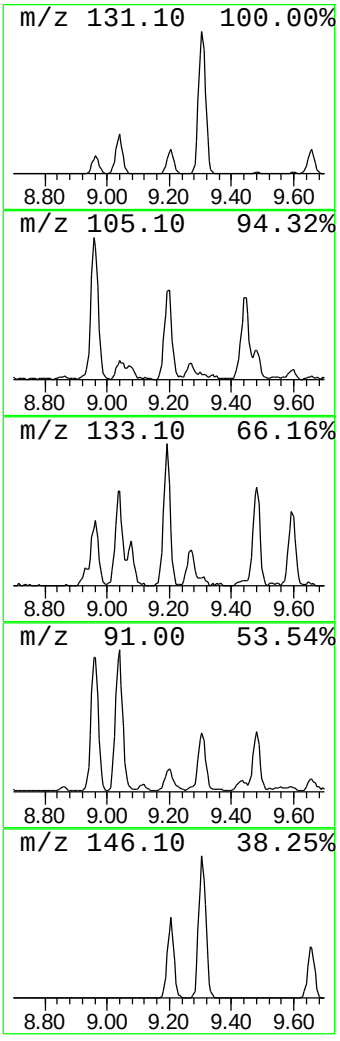
****

Peak Number 17 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	6.66 ng/ul	705279	1,4-Dichlorobenzene-d4	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	95
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83





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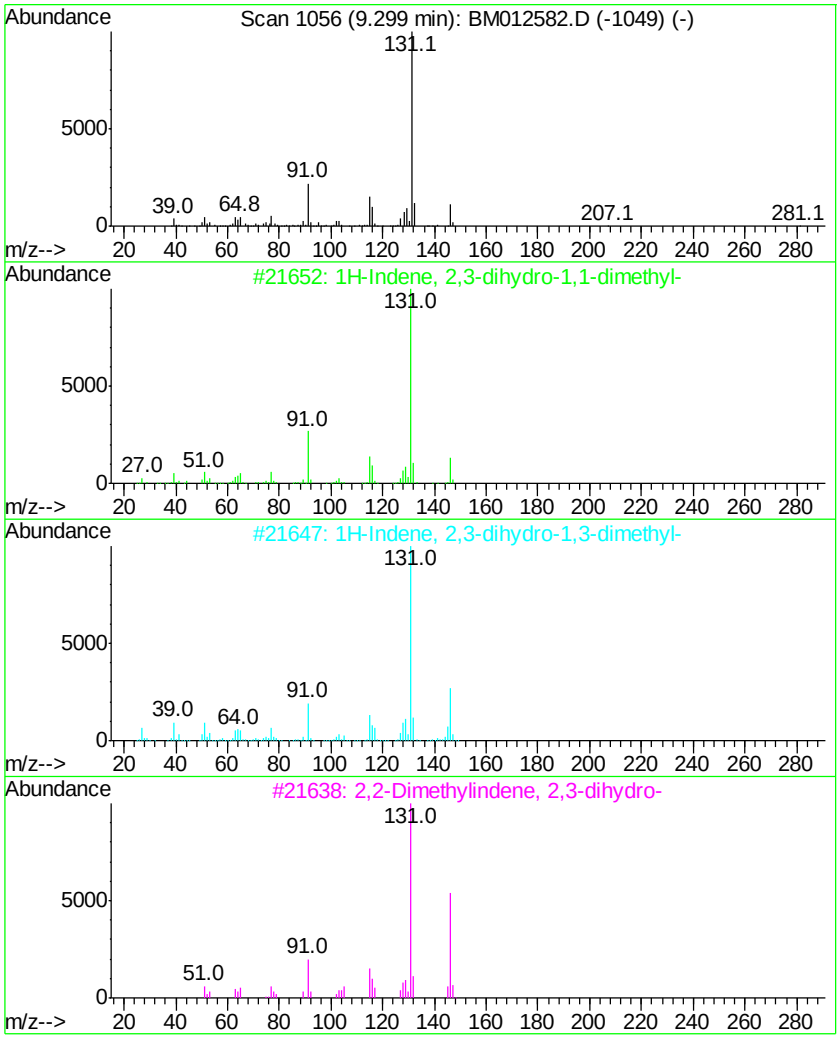
Quant Title : SVOA CALIBRATION

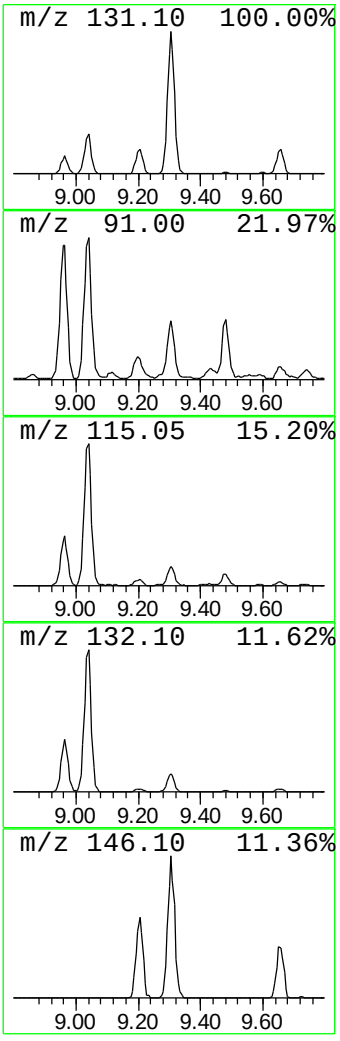
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	5.60 ng/ul	961595	Naphthalene-d8	10.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	97
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	86





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Quant Title : SVOA CALIBRATION

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

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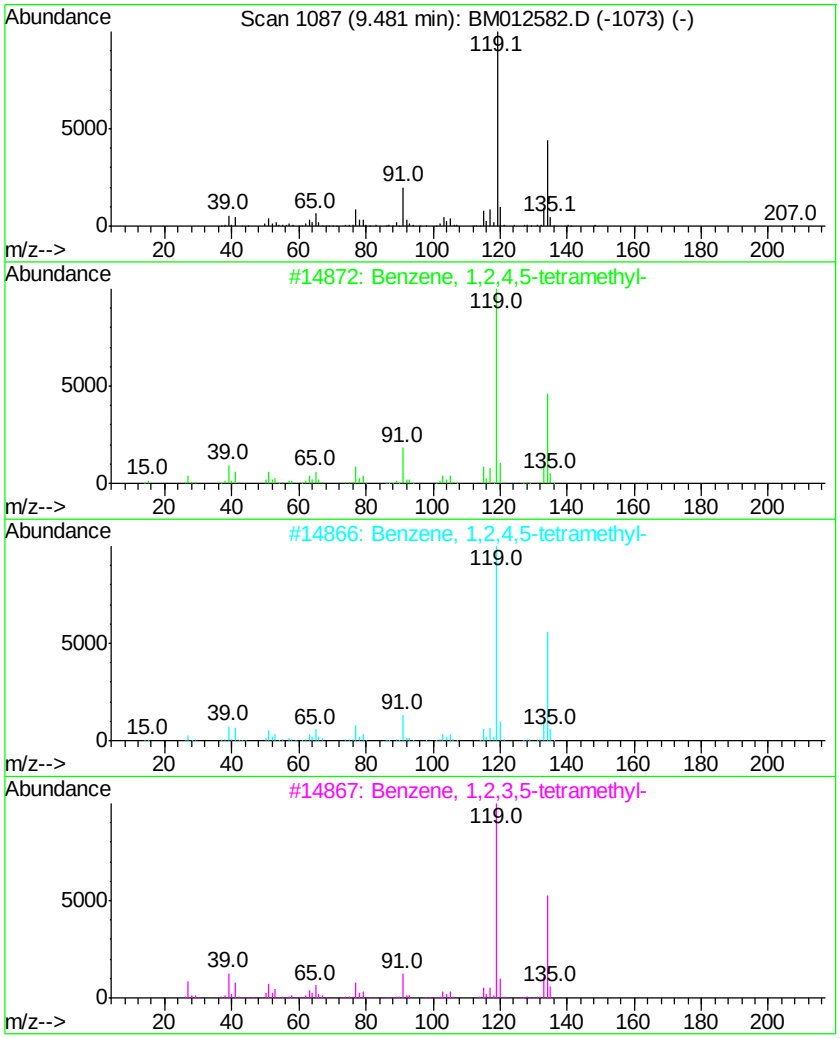
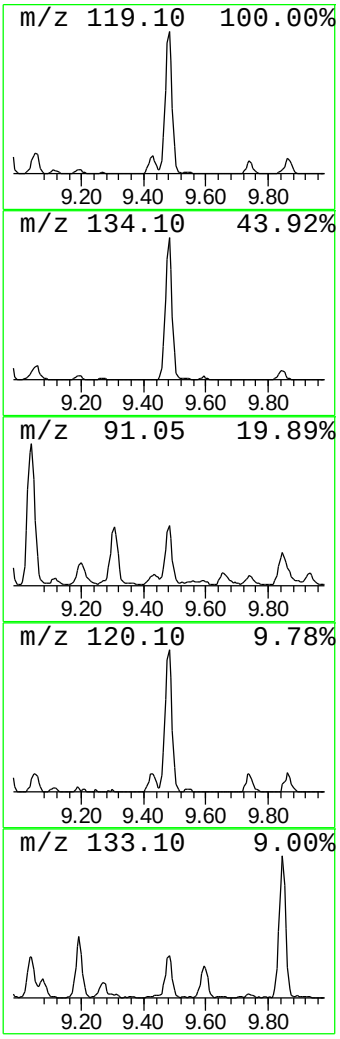
Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	7.71 ng/ul	1325030	Naphthalene-d8	10.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Acq On : 30 Oct 2017 20:27
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Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

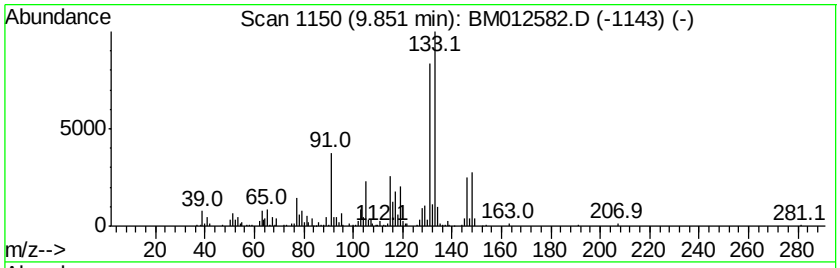
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

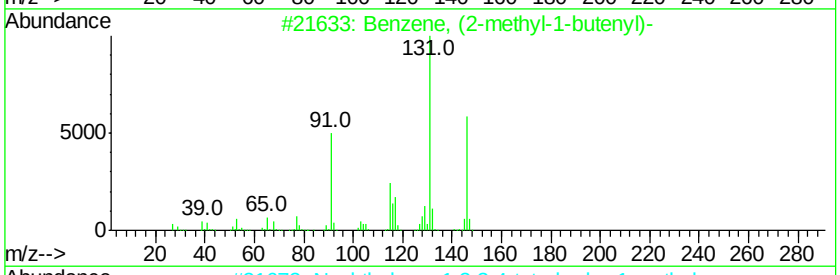
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

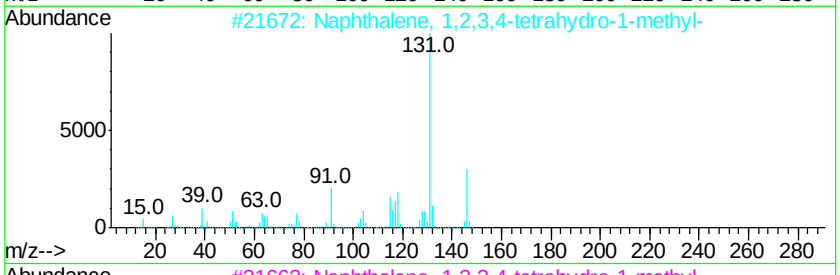
****
Peak Number 20 Benzene, (2-methyl-1-butenyl)- Concentration Rank 23

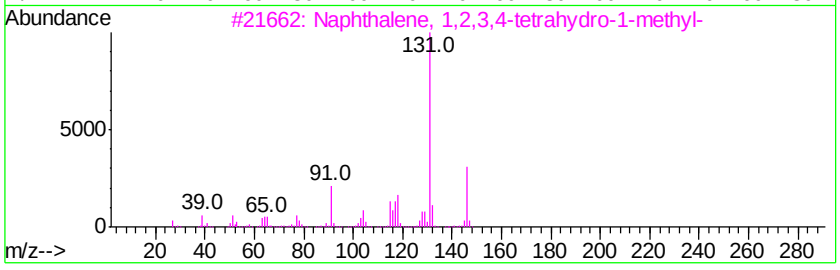
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	5.84 ng/ul	1003830	Naphthalene-d8	10.65

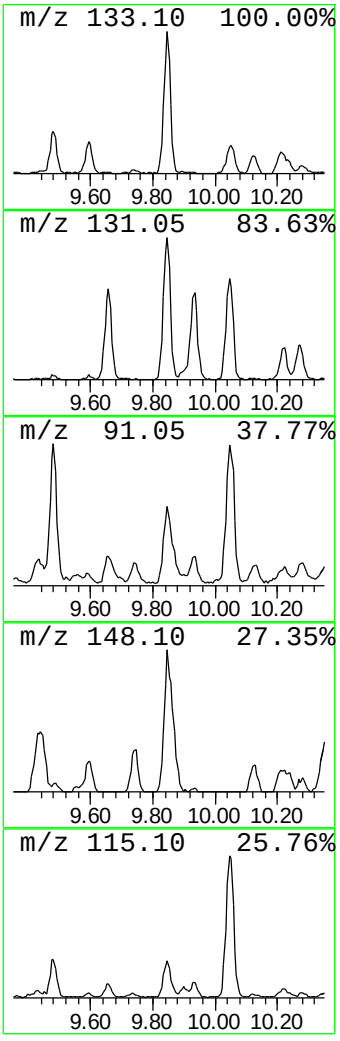
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	55
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	55
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	50











Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

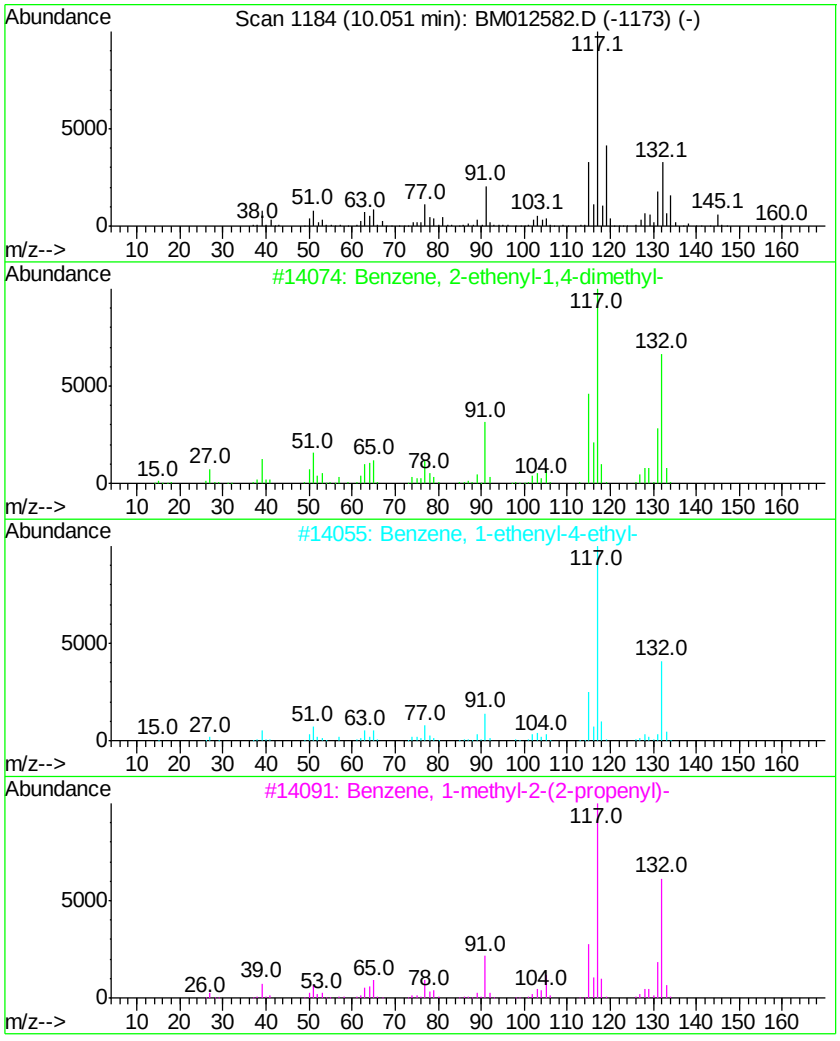
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

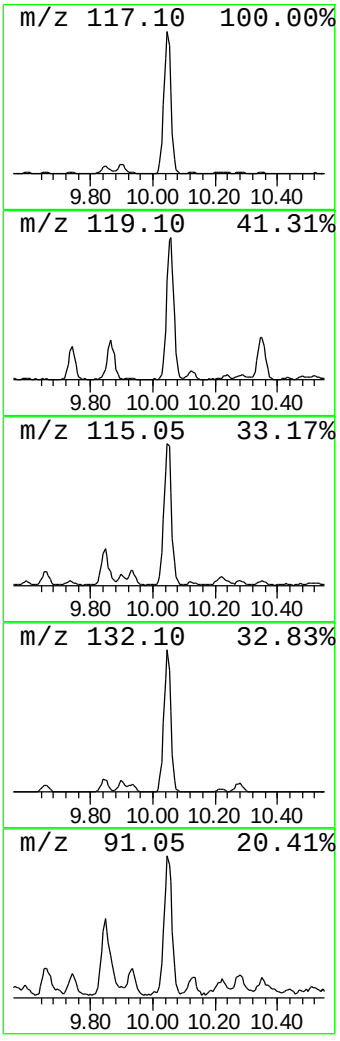
****

Peak Number 21 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	10.99 ng/ul	1887180	Naphthalene-d8	10.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	81





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Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

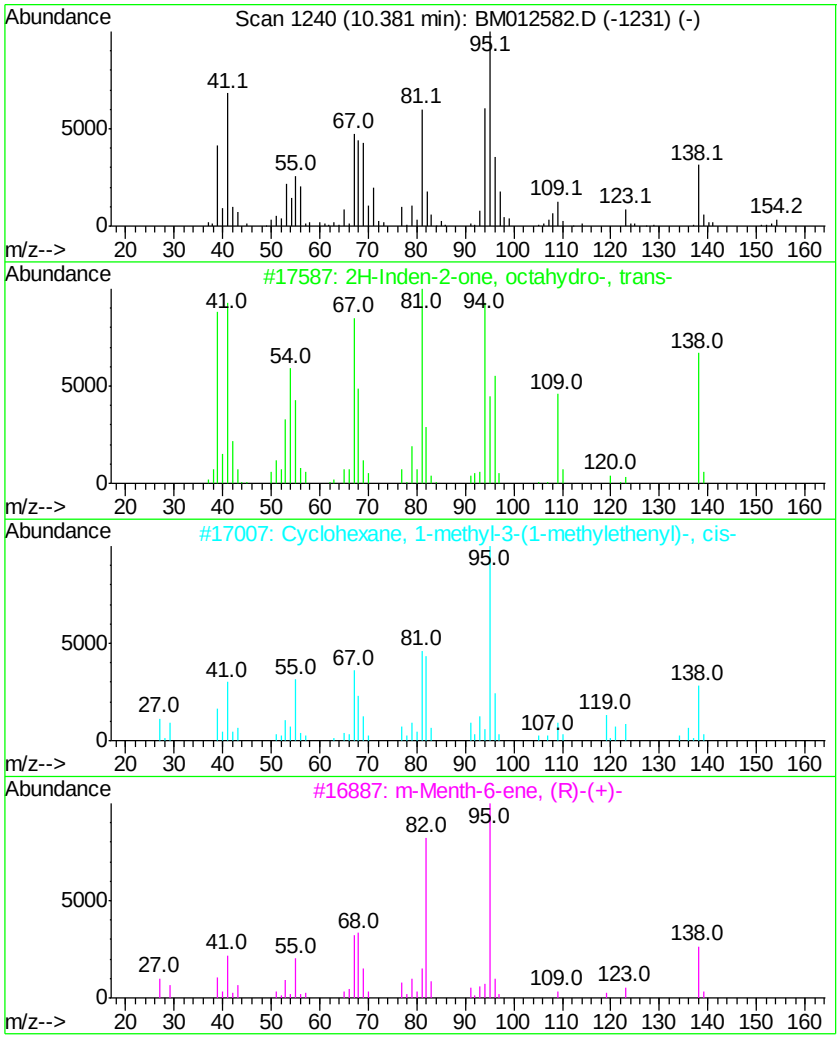
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

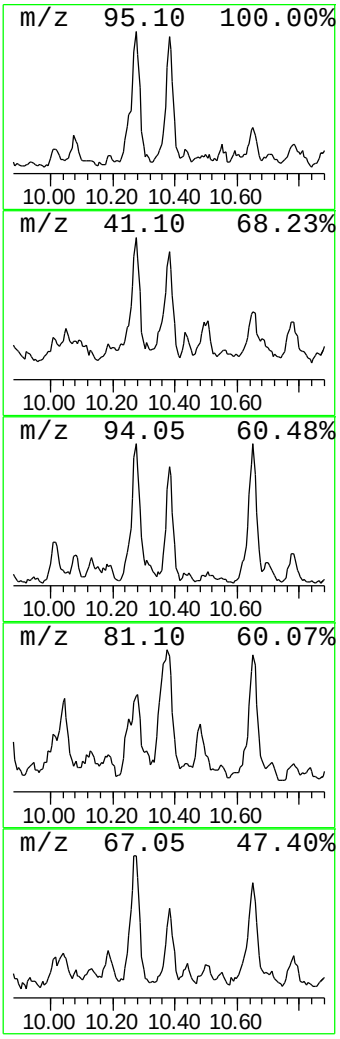
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 2H-Inden-2-one, octahydro-,... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	4.23 ng/ul	727259	Naphthalene-d8	10.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Inden-2-one, octahydro-, trans-	138	C9H14O	016484-17-6	64
2	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	58
3	m-Menth-6-ene, (R)-(+)-	138	C10H18	013837-70-2	52
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	47
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	46





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Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

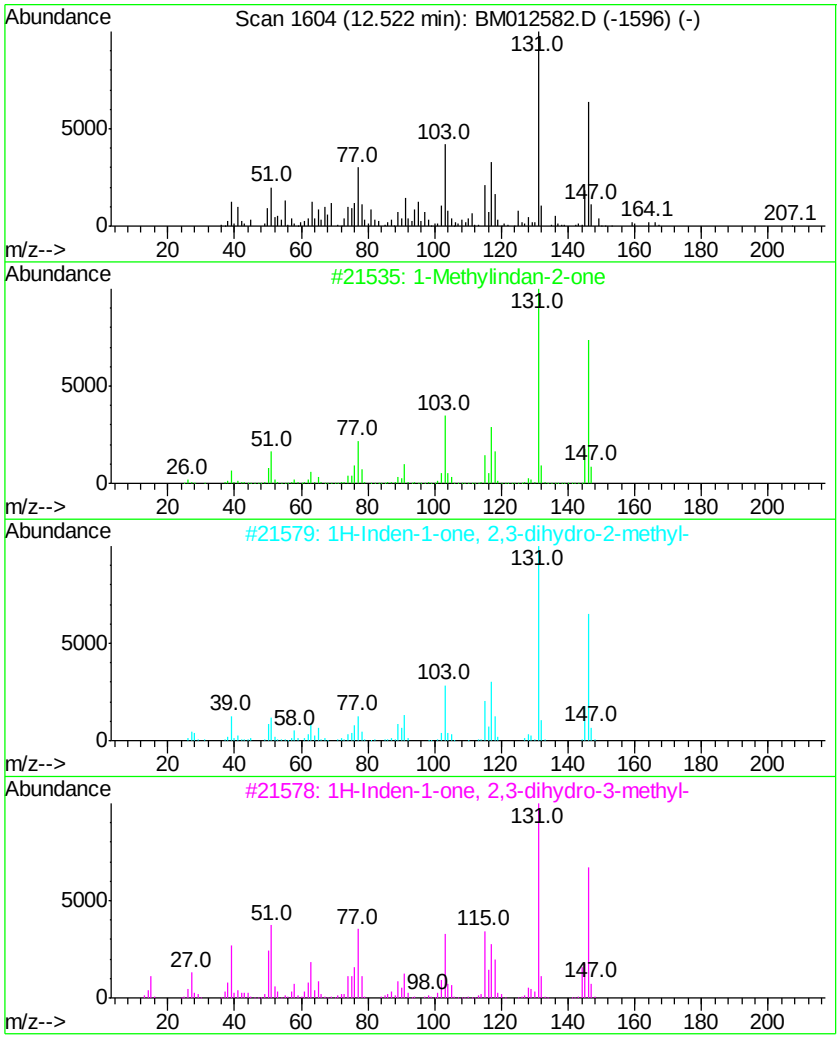
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

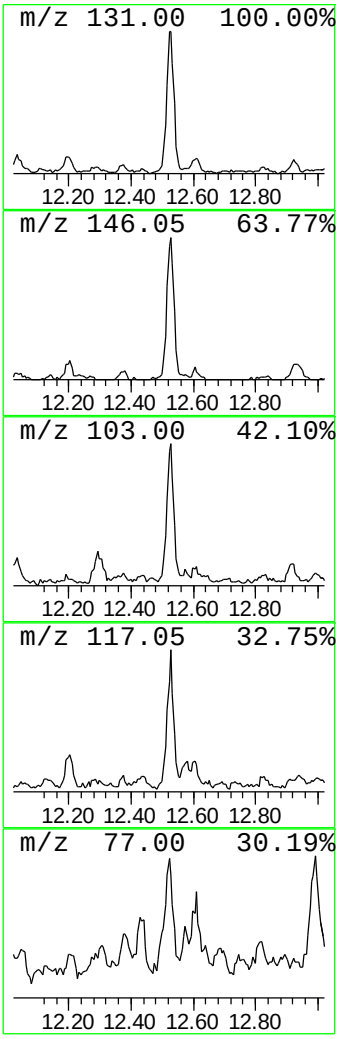
****

Peak Number 23 1-Methylindan-2-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	3.88 ng/ul	666723	Naphthalene-d8	10.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylindan-2-one	146	C10H10O	035587-60-1	97
2	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	93
3	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	81
4	3-Buten-2-one, 4-phenyl-, (E)-	146	C10H10O	001896-62-4	53
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	52





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Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

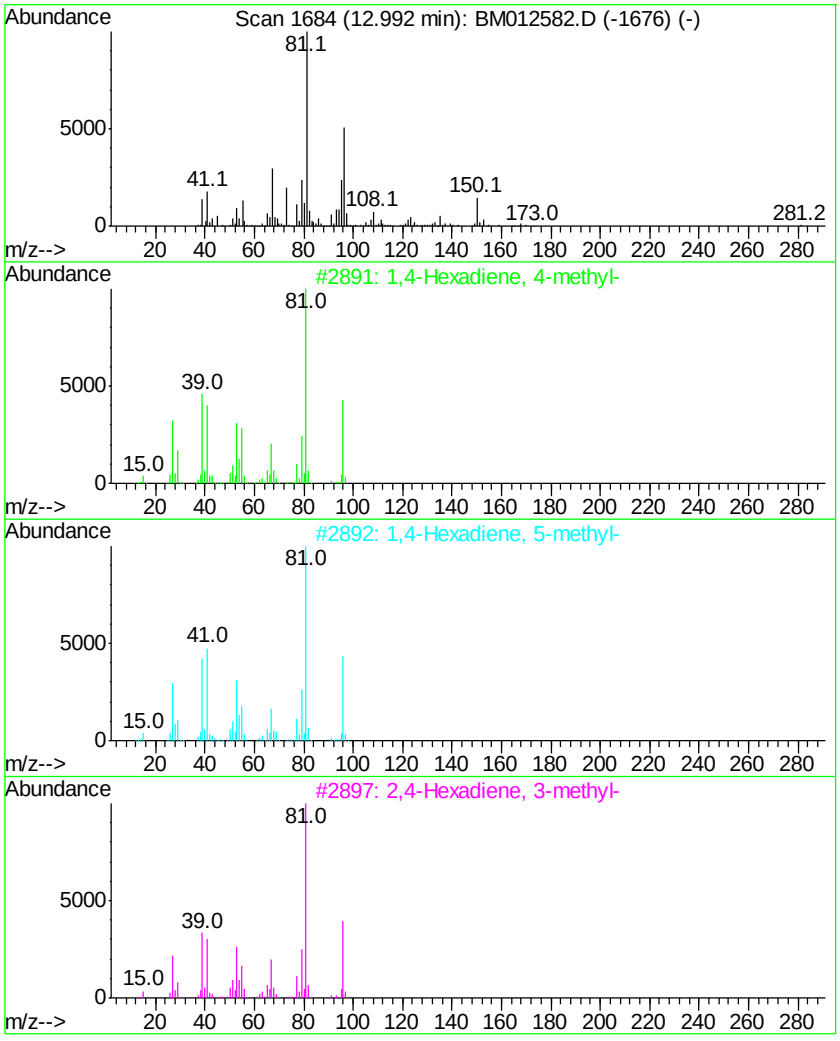
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

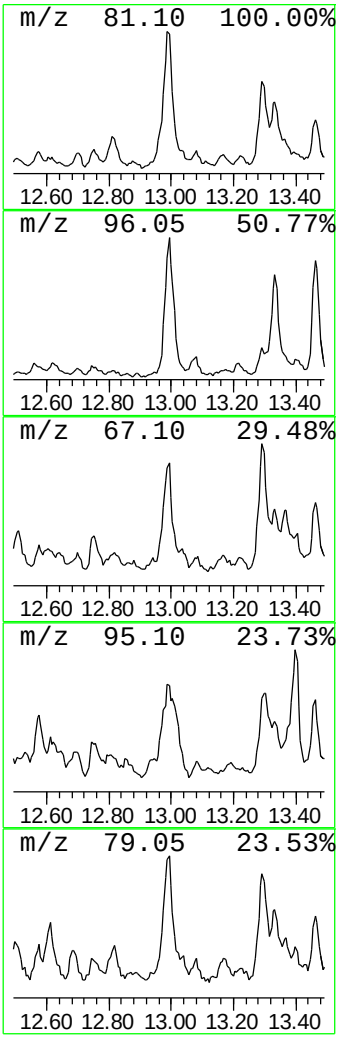
****

Peak Number 24 1,4-Hexadiene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	7.46 ng/ul	1512800	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	58
2	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	58
3	2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	58
4	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	53
5	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

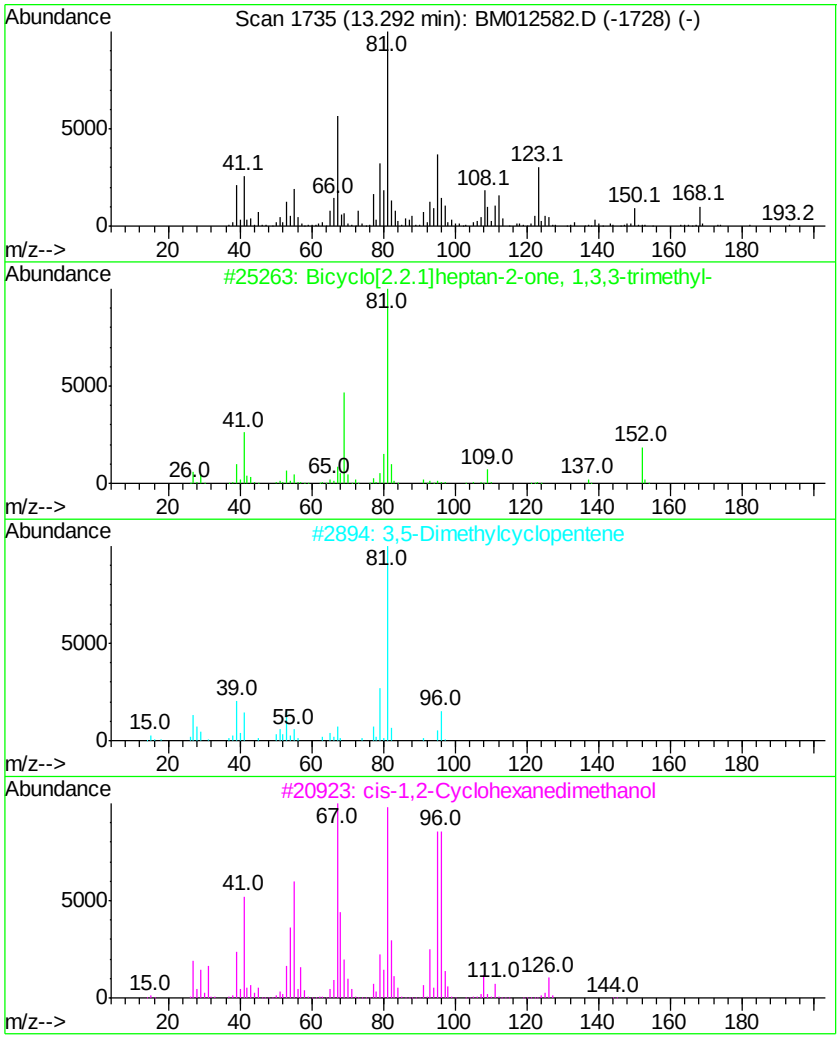
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

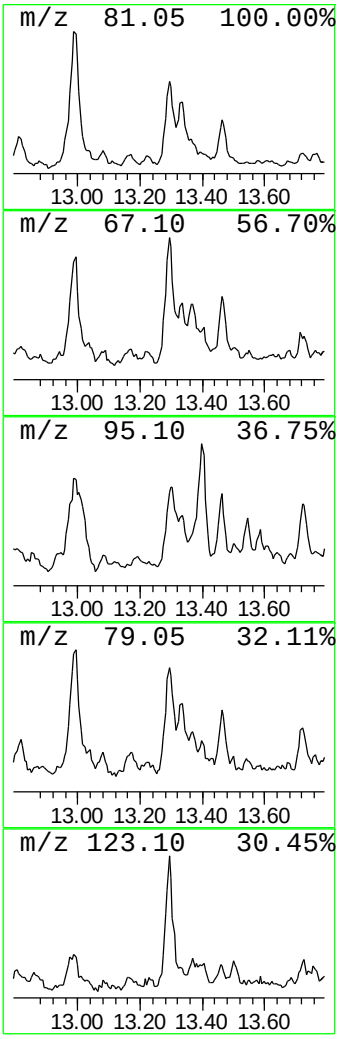
****

Peak Number 25 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	5.30 ng/ul	1074930	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	38
2	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	30
3	cis-1,2-Cyclohexanedimethanol	144	C8H16O2	015753-50-1	27
4	2-Propenylcyclopropanecarboxylic...	154	C9H14O2	016783-15-6	27
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	27





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Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

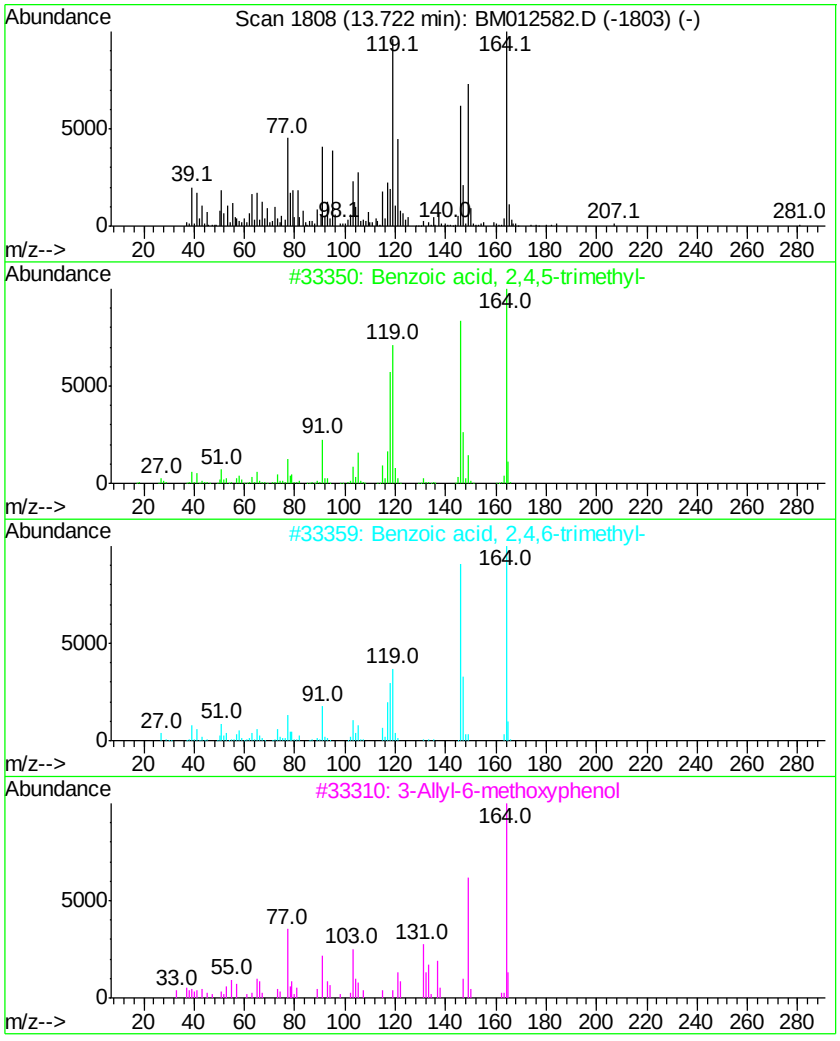
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

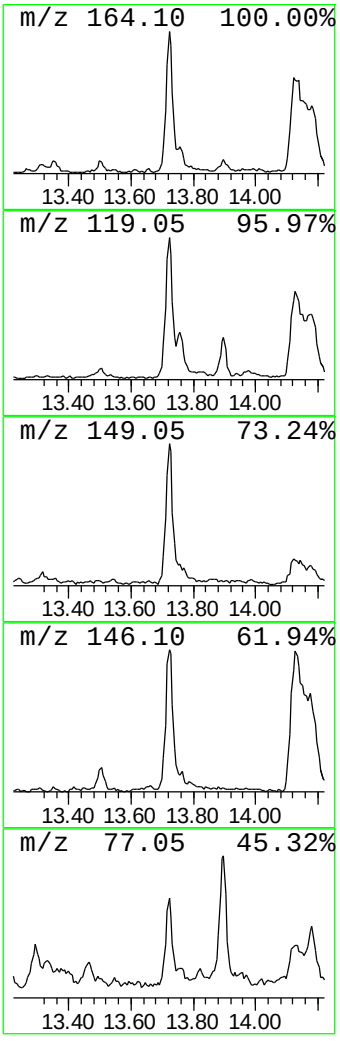
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzoic acid, 2,4,5-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	4.56 ng/ul	925844	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4,5-trimethyl-	164	C10H12O2	000528-90-5	86
2	Benzoic acid, 2,4,6-trimethyl-	164	C10H12O2	000480-63-7	55
3	3-Allyl-6-methoxyphenol	164	C10H12O2	000501-19-9	43
4	Ethyl m-methylbenzoate	164	C10H12O2	000120-33-2	42
5	3,5-Dimethylphenylacetic acid	164	C10H12O2	042288-46-0	41





Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

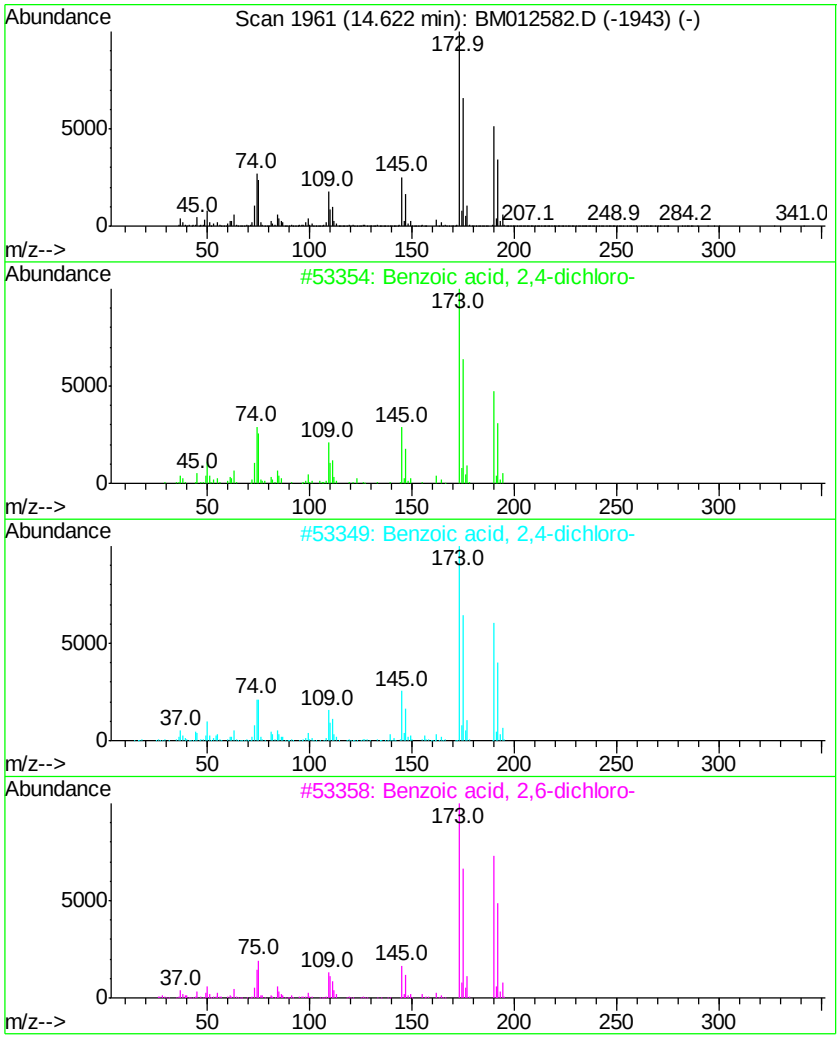
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

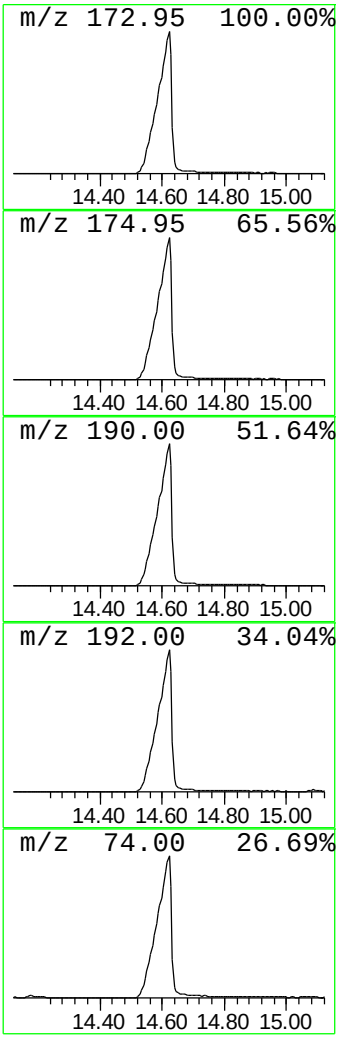
****

Peak Number 27 Benzoic acid, 2,4-dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	302.14 ng/ul	61309800	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4-dichloro-	190	C7H4Cl2O2	000050-84-0	99
2	Benzoic acid, 2,4-dichloro-	190	C7H4Cl2O2	000050-84-0	99
3	Benzoic acid, 2,6-dichloro-	190	C7H4Cl2O2	000050-30-6	96
4	Benzoic acid, 2,6-dichloro-	190	C7H4Cl2O2	000050-30-6	95
5	Benzoic acid, 3,4-dichloro-	190	C7H4Cl2O2	000051-44-5	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

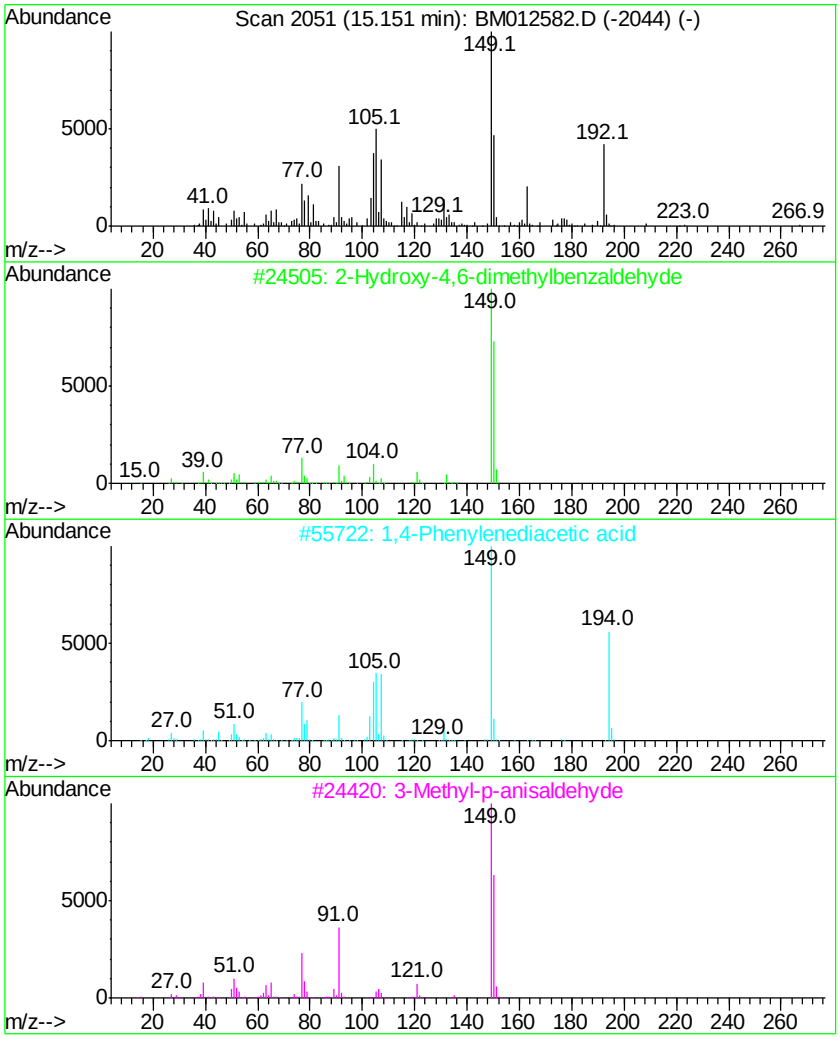
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

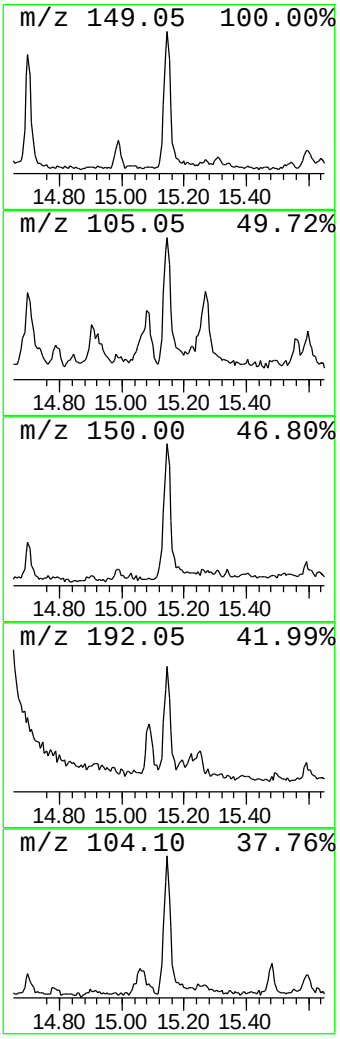
****

Peak Number 28 2-Hydroxy-4,6-dimethylbenza... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	3.31 ng/ul	671129	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-4,6-dimethylbenzaldehyde	150	C9H10O2	001666-02-0	58
2	1,4-Phenylenediacetic acid	194	C10H10O4	007325-46-4	53
3	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	50
4	Phthalic acid, butyl 2-(2-nitrop...	371	C20H21NO6	1000377-99-4	35
5	2-n-Propyl[1,3,2]dioxarsinane	192	C6H13AsO2	1000322-39-7	27





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Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

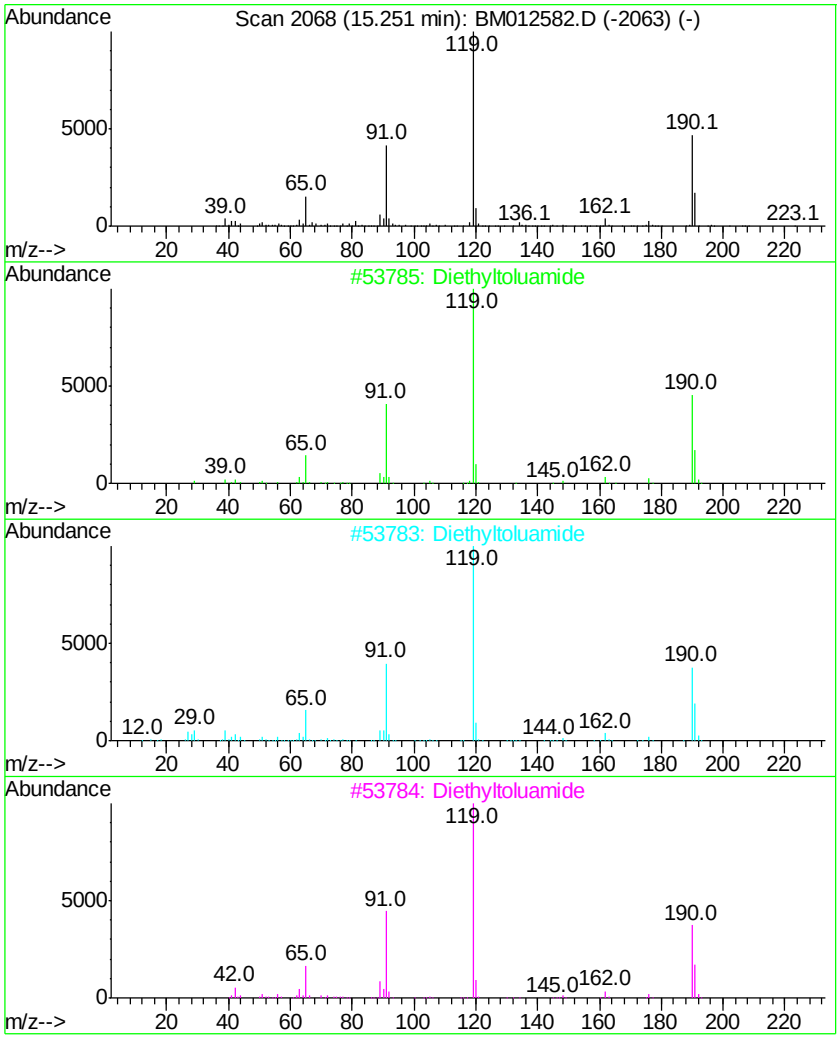
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

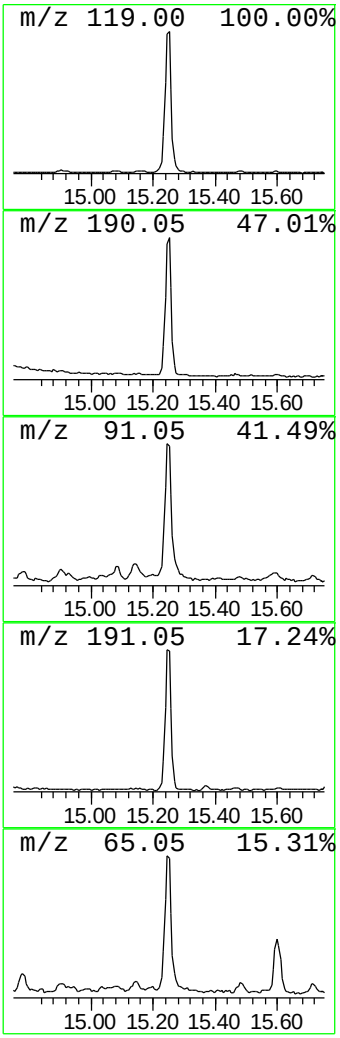
****

Peak Number 29 Diethyltoluamide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	10.27 ng/ul	2083300	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	94
2	Diethyltoluamide	191	C12H17NO	000134-62-3	91
3	Diethyltoluamide	191	C12H17NO	000134-62-3	91
4	Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	87
5	Diethyltoluamide	191	C12H17NO	000134-62-3	83





Tentatively Identified Compound (LSC) summary

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Data File : BM012582.D
Acq On : 30 Oct 2017 20:27
Operator : SJ/JU
Sample : I6150-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TWP-B-68

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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
(DEL) Alkane: Cyc...	4.39	5.9	ng/ul	619944	1	7.86	2117520	20.0
(DEL) Alkane: Cyc...	4.54	10.3	ng/ul	1087930	1	7.86	2117520	20.0
(DEL) Alkane: Cyc...	5.08	7.7	ng/ul	818489	1	7.86	2117520	20.0
Pentalene, octahy...	5.58	9.0	ng/ul	949030	1	7.86	2117520	20.0
Bicyclo[3.2.1]octane	5.76	8.0	ng/ul	844366	1	7.86	2117520	20.0
Sulfurous acid, c...	5.82	6.7	ng/ul	709650	1	7.86	2117520	20.0
(DEL) Alkane: Cyc...	6.15	9.4	ng/ul	998874	1	7.86	2117520	20.0
Pentalene, octahy...	6.38	12.3	ng/ul	1300190	1	7.86	2117520	20.0
(DEL) Alkane: Cyc...	6.50	9.9	ng/ul	1048480	1	7.86	2117520	20.0
Cyclopropene, 1-b...	6.85	6.4	ng/ul	674405	1	7.86	2117520	20.0
Benzene, tert-butyl-	7.46	6.8	ng/ul	717804	1	7.86	2117520	20.0
Dicyclopentadiene	8.13	13.9	ng/ul	1467020	1	7.86	2117520	20.0
p-Cymene	8.16	9.3	ng/ul	989370	1	7.86	2117520	20.0
Indane	8.23	24.1	ng/ul	2551500	1	7.86	2117520	20.0
Naphthalene, deca...	8.69	6.0	ng/ul	637488	1	7.86	2117520	20.0
Benzene, 1-methyl...	8.96	21.6	ng/ul	2287330	1	7.86	2117520	20.0
Bicyclo[4.2.0]oct...	9.20	6.7	ng/ul	705279	1	7.86	2117520	20.0
1H-Indene, 2,3-di...	9.30	5.6	ng/ul	961595	2	10.65	3435800	20.0
Benzene, 1,2,4,5-...	9.48	7.7	ng/ul	1325030	2	10.65	3435800	20.0
Benzene, (2-methy...	9.85	5.8	ng/ul	1003830	2	10.65	3435800	20.0
Benzene, 2-etheny...	10.05	11.0	ng/ul	1887180	2	10.65	3435800	20.0
2H-Inden-2-one, o...	10.38	4.2	ng/ul	727259	2	10.65	3435800	20.0
1-Methylindan-2-one	12.52	3.9	ng/ul	666723	2	10.65	3435800	20.0
1,4-Hexadiene, 4-...	12.99	7.5	ng/ul	1512800	3	14.49	4058360	20.0
unknown-01	13.29	5.3	ng/ul	1074930	3	14.49	4058360	20.0
Benzoic acid, 2,4...	13.72	4.6	ng/ul	925844	3	14.49	4058360	20.0
Benzoic acid, 2,4...	14.62	302.1	ng/ul	61309800	3	14.49	4058360	20.0
2-Hydroxy-4,6-dim...	15.15	3.3	ng/ul	671129	3	14.49	4058360	20.0
Diethyltoluamide	15.25	10.3	ng/ul	2083300	3	14.49	4058360	20.0