LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM090817MA.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	3.393	15	18	23	rBV2	24723	34886	0.31%	0.028%
2	4.146	143	146	153	rVB4	16648	27567	0.25%	0.022%
3	4.787	251	255	262	rVB8	8531	14925	0.13%	0.012%
4	5.075	300	304	314	rVB	57561	97105	0.87%	0.079%
5	5.281	332	339	353	rBV	623244	986517	8.79%	0.800%
6	6.181	486	492	501	rVB8	13837	36481	0.33%	0.030%
7	7.122	637	652	667	rBV	364339	677617	6.04%	0.549%
8	7.292	672	681	695	rVV	1491737	2434319	21.70%	1.974%
9	7.386	695	697	705	rVB7	13557	25180	0.22%	0.020%
10	7.498	707	716	735	rBV	1444082	2460531	21.93%	1.995%
11	7.863	772	778	787	rVB	152232	255972	2.28%	0.208%
12	7.975	789	797	799	rBV	1491294	2497884	22.27%	2.025%
13	8.010	799	803	817	rVB	2434142	3997886	35.64%	3.241%
14	8.328	850	857	867	rVV	1217710	2098796	18.71%	1.702%
15	8.669	908	915	926	rBV	1054980	1840450	16.41%	1.492%
16	9.133	984	994	1012	rBV	1776001	3108434	27.71%	2.520%
17	9.339	1024	1029	1033	rVB6	9482	15689	0.14%	0.013%
18	9.504	1052	1057	1058	rBV4	12447	19443	0.17%	0.016%
19	9.586	1064	1071	1081	rBV	1317847	2159936	19.25%	1.751%
20	9.857	1110	1117	1123	rBV	1397976	2308020	20.57%	1.871%
21	9.916	1123	1127	1137	rVV	291347	506006	4.51%	0.410%
22	10.010	1137	1143	1149	rVB	35501	59465	0.53%	0.048%
23	10.392	1201	1208	1229	rBV	1973325	3524631	31.42%	2.858%
24	10.639	1243	1250	1256	rBV	320964	553188	4.93%	0.448%
25	10.704	1256	1261	1266	rVV2	109078	192492	1.72%	0.156%
26	10.775	1266	1273	1284	rVB	2141576	3729037	33.24%	3.023%
27	10.922	1292	1298	1309	rBV	86404	195821	1.75%	0.159%
28	11.039	1315	1318	1325	rVB6	7075	12746	0.11%	0.010%
29	11.163	1332	1339	1345	rBV	58842	104743	0.93%	0.085%
30	11.327	1360	1367	1378	rBV2	431516	829713	7.40%	0.673%
31	11.427	1378	1384	1391	rVV	221194	390213	3.48%	0.316%
32	11.486	1391	1394	1401	rVB5	11204	21866	0.19%	0.018%
33	11.592	1407	1412	1418	rVB7	8731	17722	0.16%	0.014%
34	11.827	1447	1452	1458	rVB5	19770	32443	0.29%	0.026%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM090817MA.M
Title : SVOA CALIBRATION

35	11.933	1465	1470	1481	rVB	38929	70783	0.63%	0.057%
36	12.027	1481	1486	1494	rVB3	24951	47085	0.42%	0.038%
37	12.174	1504	1511	1516	rBV7	8724	21657	0.19%	0.018%
38	12.233	1516	1521	1525	rVV3	21019	32927	0.29%	0.027%
39	12.274	1525	1528	1533	rVB5	8829	12889	0.11%	0.010%
40	12.363	1533	1543	1549	rBV3	25264	62187	0.55%	0.050%
41	12.457	1554	1559	1560	rBV4	9091	11276	0.10%	0.009%
42	12.504	1561	1567	1575	rVV3	44827	81327	0.72%	0.066%
43	12.580	1575	1580	1583	rVV	61487	101983	0.91%	0.083%
44	12.616	1583	1586	1591	rVB2	49906	80622	0.72%	0.065%
45	12.710	1598	1602	1611	rBV6	31929	57735	0.51%	0.047%
46	12.798	1611	1617	1621	rVV5	24033	38973	0.35%	0.032%
47	12.874	1624	1630	1638	rVB5	17931	38125	0.34%	0.031%
48	12.963	1638	1645	1649	rBV4	26475	45564	0.41%	0.037%
49	13.004	1649	1652	1655	rVV4	10249	13123	0.12%	0.011%
50	13.063	1655	1662	1665	rVV5	7265	16645	0.15%	0.013%
51	13.098	1665	1668	1674	rVB7	8003	12392	0.11%	0.010%
52	13.357	1706	1712	1715	rBV5	9427	18580	0.17%	0.015%
53	13.416	1715	1722	1731	rVV	2869682	4150081	36.99%	3.365%
54	13.545	1738	1744	1749	rBV	86625	130841	1.17%	0.106%
55	13.616	1749	1756	1766	rVB	1644037	2489448	22.19%	2.018%
56	13.792	1780	1786	1793	rBV2	32435	55469	0.49%	0.045%
57	13.915	1802	1807	1814	rBV8	15876	31767	0.28%	0.026%
58	14.004	1814	1822	1828	rVV	4306905	6021451	53.68%	4.882%
59	14.051	1828	1830	1834	rVV2	85513	125053	1.11%	0.101%
60	14.092	1834	1837	1844	rVB2	41284	76401	0.68%	0.062%
61	14.298	1864	1872	1878	rBV	4749522	6834360	60.92%	5.541%
62	14.357	1878	1882	1890	rVV	334493	531794	4.74%	0.431%
63	14.445	1893	1897	1899	rVB4	10813	14836	0.13%	0.012%
64	14.498	1899	1906	1912	rBV	118122	192602	1.72%	0.156%
65	14.604	1913	1924	1936	rVV2	3280037	5310267	47.34%	4.305%
66	14.792	1950	1956	1965	rBV	173397	395586	3.53%	0.321%
67	15.174	2017	2021	2030	rVV2	20892	56526	0.50%	0.046%
68	15.592	2085	2092	2101	rBV	6079942	8522721	75.97%	6.910%
69	15.698	2104	2110	2121	rVB	1871155	2575314	22.96%	2.088%
70	15.827	2128	2132	2138	rVB2	65486	103835	0.93%	0.084%
71	17.121	2350	2352	2356	rBV4	11499	15453	0.14%	0.013%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM090817MA.M
Title : SVOA CALIBRATION

72	17.339	2383	2389	2398	rBV2	3887176	5715544	50.95%	4.634%
73	17.439	2400	2406	2422	rVV	6897360	9730626	86.74%	7.889%
74	18.209	2534	2537	2542	rBV3	66941	95381	0.85%	0.077%
75	19.480	2750	2753	2760	rBV5	104870	159795	1.42%	0.130%
76	19.727	2789	2795	2802	rVB	8332487	11217978	100.00%	9.095%
77	21.503	3092	3097	3106	rBV	5312923	6489894	57.85%	5.262%
78	23.727	3467	3475	3485	rBV2	5524348	10465551	93.29%	8.485%
79	23.880	3493	3501	3510	rVB2	2857739	5806376	51.76%	4.707%

Sum of corrected areas: 123346547

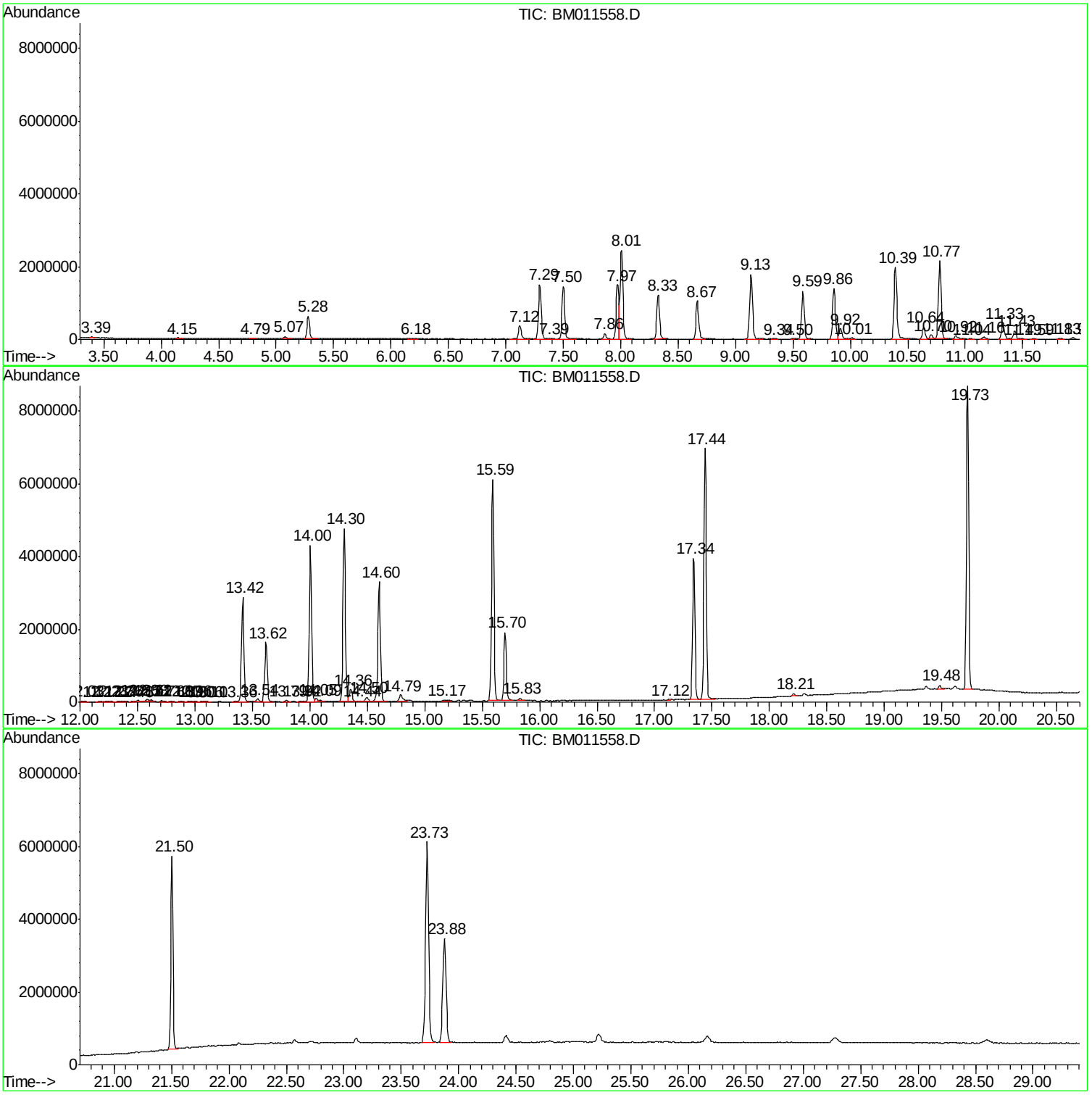
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

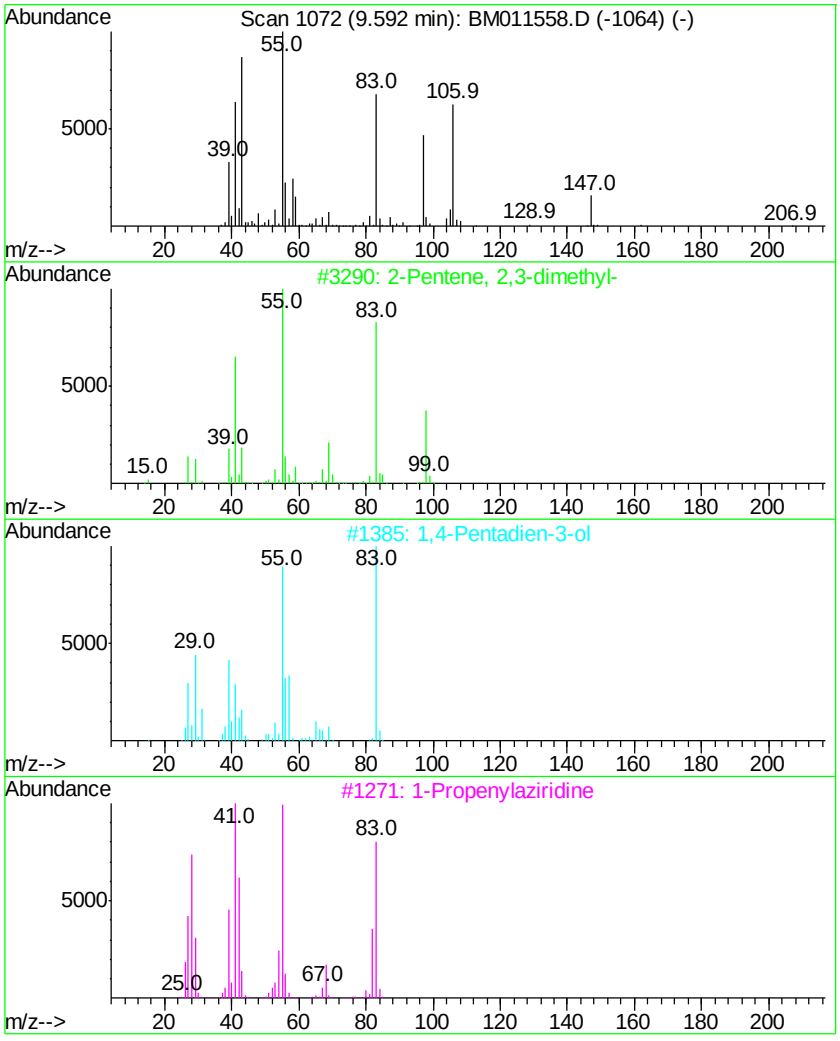
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

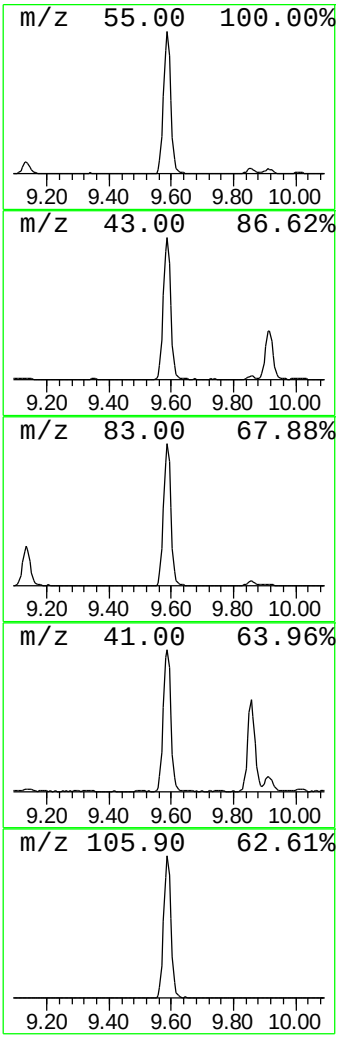
****

Peak Number 4 (DEL) Alkane: Cyclic9.59 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	11.58 ng/ul	2159940	Naphthalene-d8	10.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	22
2	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	18
3	1-Propenylaziridine	83	C5H9N	1000192-51-0	18
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	16
5	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	16





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

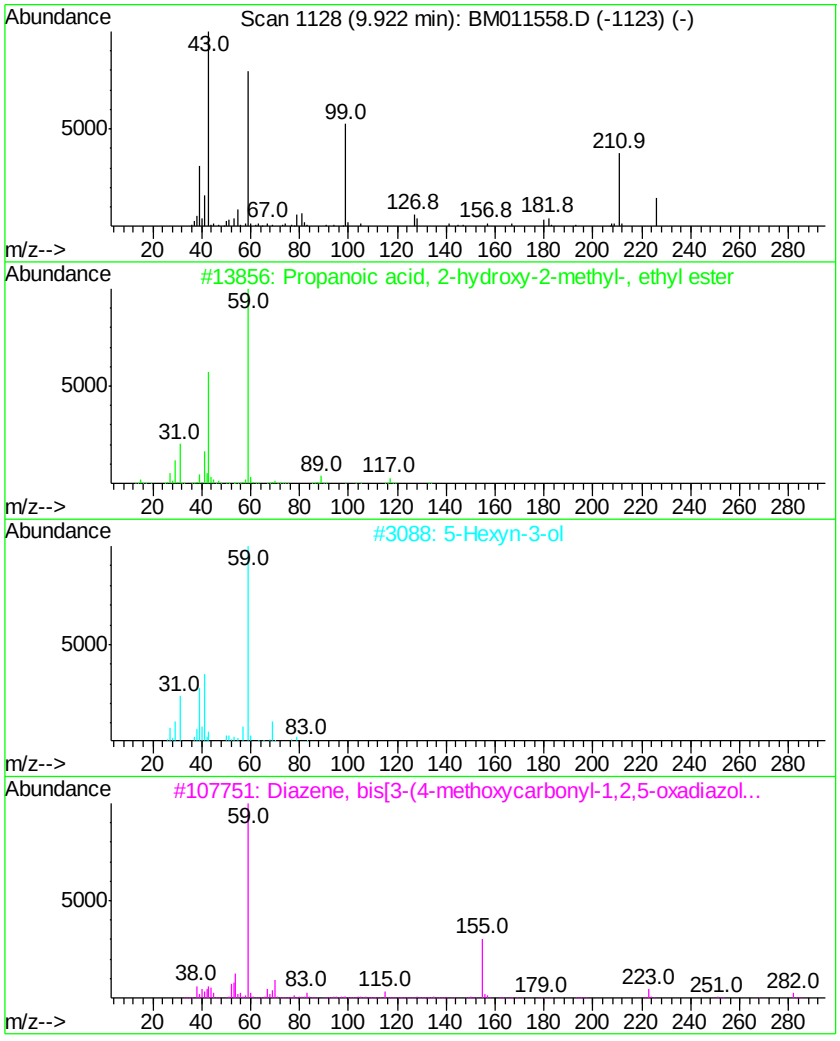
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

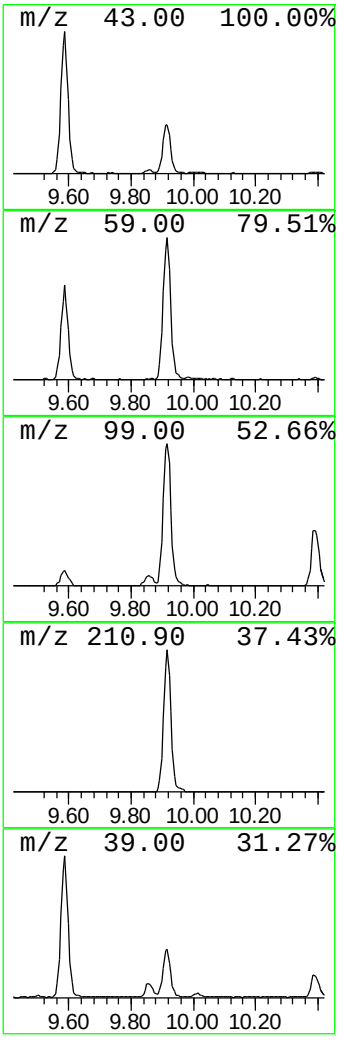
****

Peak Number 5 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	2.71 ng/ul	506006	Naphthalene-d8	10.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-hydroxy-2-meth...	132	C6H12O3	000080-55-7	17
2	5-Hexyn-3-ol	98	C6H10O	019780-84-8	17
3	Diazene, bis[3-(4-methoxycarbony...	282	C8H6N6O6	339246-68-3	12
4	n-Caproic acid vinyl ester	142	C8H14O2	003050-69-9	10
5	2,6-Heptadien-1-ol, 2,4-dimethyl-	140	C9H16O	080192-56-9	10





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

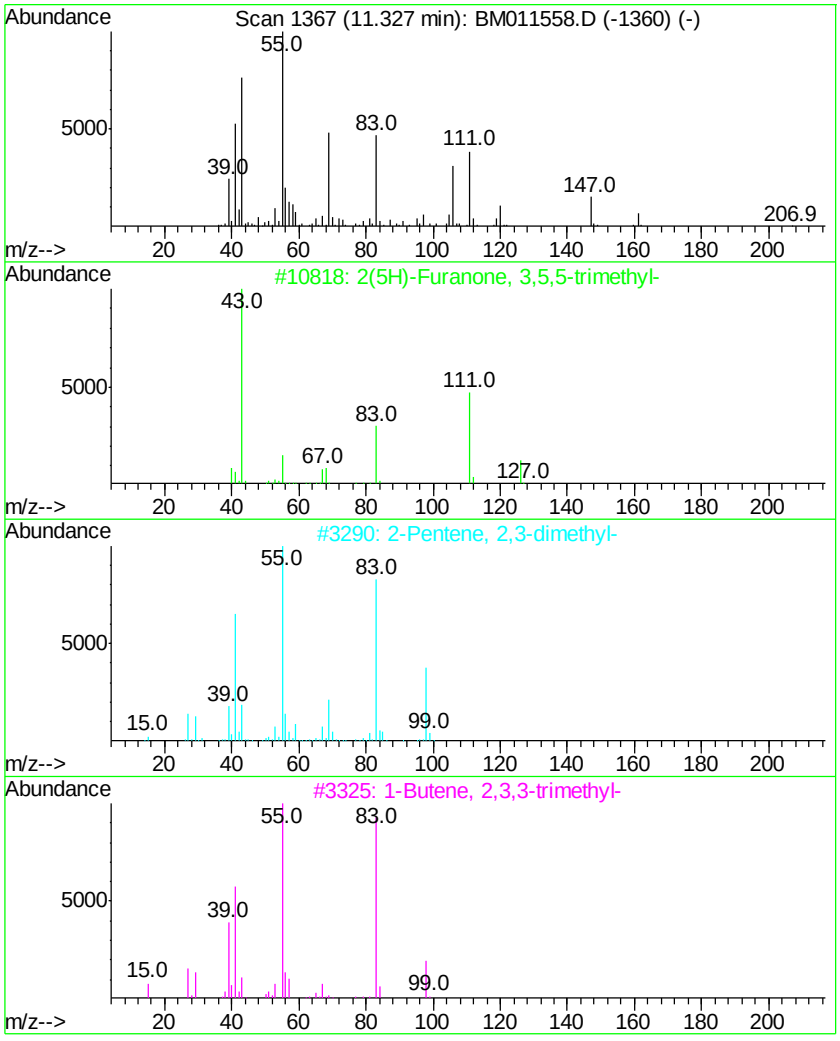
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

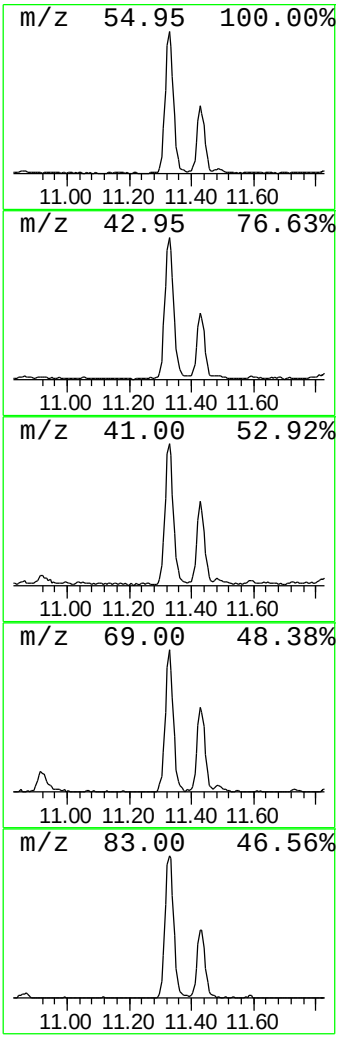
****

Peak Number 7 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	4.45 ng/ul	829713	Naphthalene-d8	10.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(5H)-Furanone, 3,5,5-trimethyl-	126	C7H10O2	050598-50-0	35
2	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	27
3	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	27
4	2,4,4-Trimethylbut-2-enolide	126	C7H10O2	004182-41-6	25
5	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	22





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

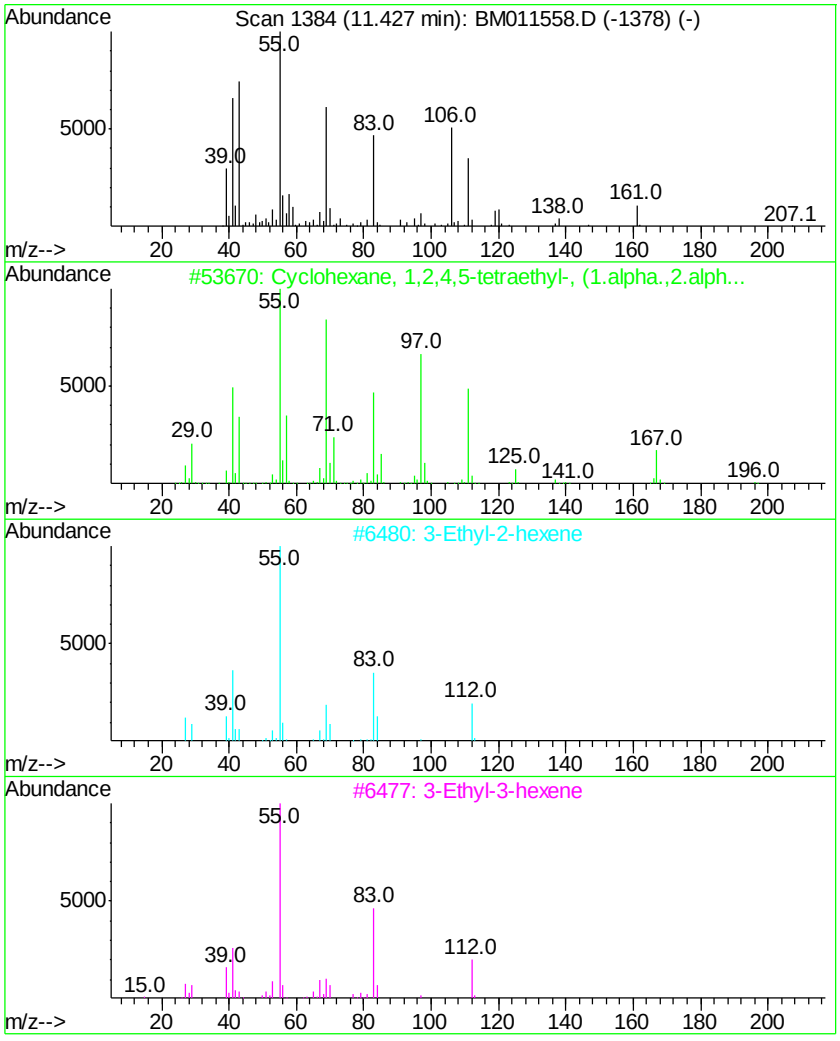
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

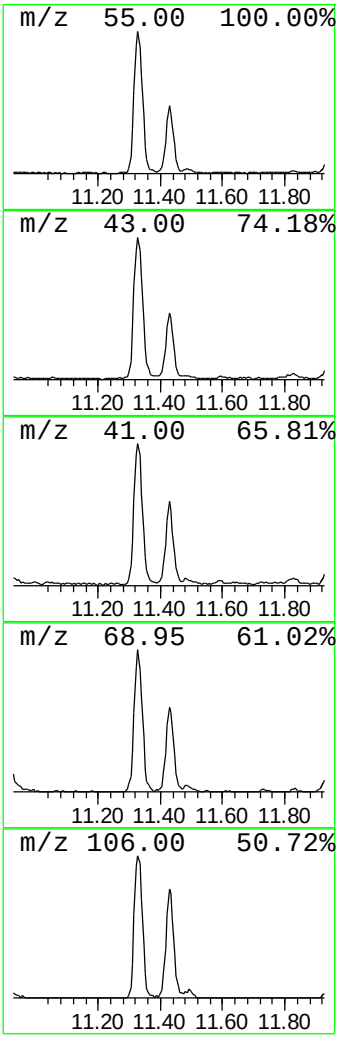
****

Peak Number 8 (DEL) Alkane: Cyclic11.43 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	2.09 ng/ul	390213	Naphthalene-d8	10.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4,5-tetraethyl-...	196	C14H28	061142-24-3	38
2	3-Ethyl-2-hexene	112	C8H16	000620-00-8	22
3	3-Ethyl-3-hexene	112	C8H16	016789-51-8	22
4	1-Pentyn-3-ol	84	C5H8O	004187-86-4	22
5	1-Hexyn-3-ol	98	C6H10O	000105-31-7	22





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
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Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

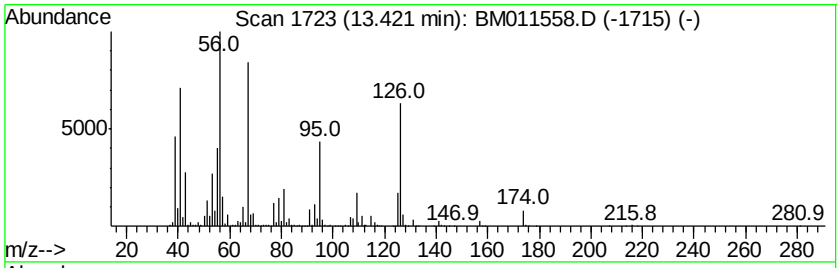
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

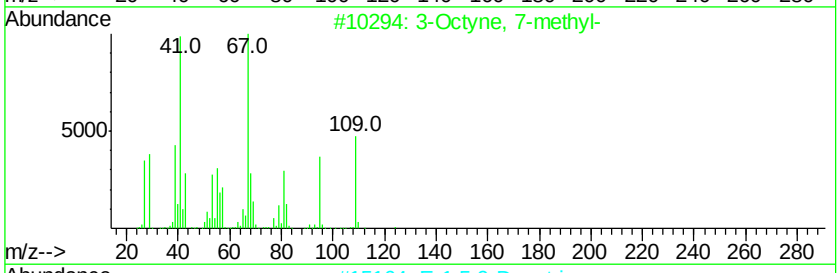
****

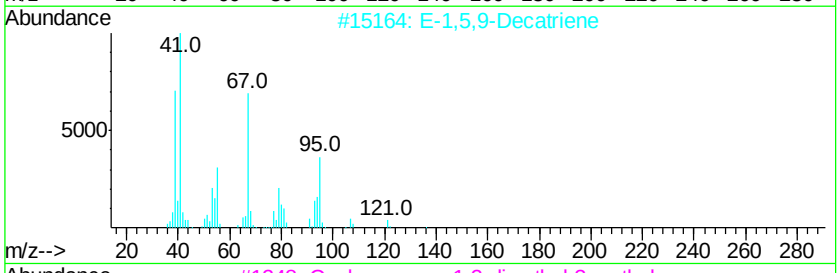
Peak Number 9 unknown-03 Concentration Rank 2

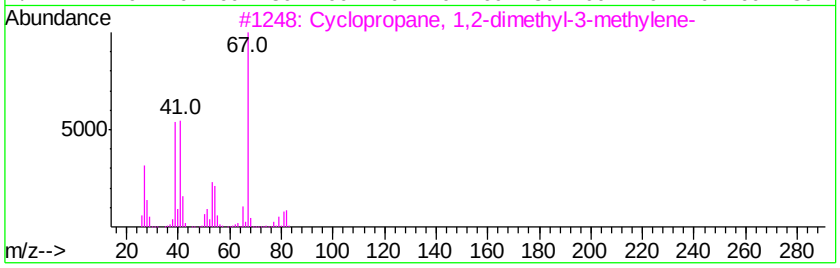
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	15.63 ng/ul	4150080	Acenaphthene-d10	14.60

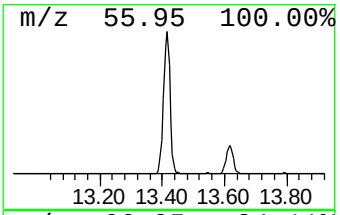
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octyne, 7-methyl-	124	C9H16	037050-06-9	37
2	E-1,5,9-Decatriene	136	C10H16	1000245-71-7	37
3	Cyclopropane, 1,2-dimethyl-3-met...	82	C6H10	062338-02-7	30
4	.delta.2-Tetrazaboroline, 1,4-di...	126	C4H11BN4	019258-82-3	27
5	Isopropenylcyclopropane	82	C6H10	004663-22-3	27

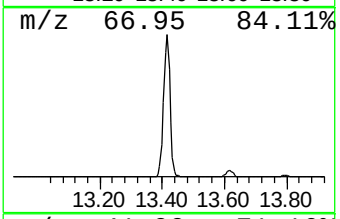


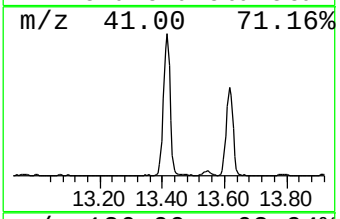


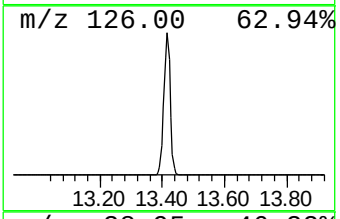


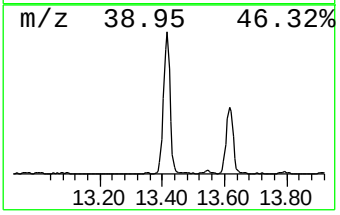












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Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

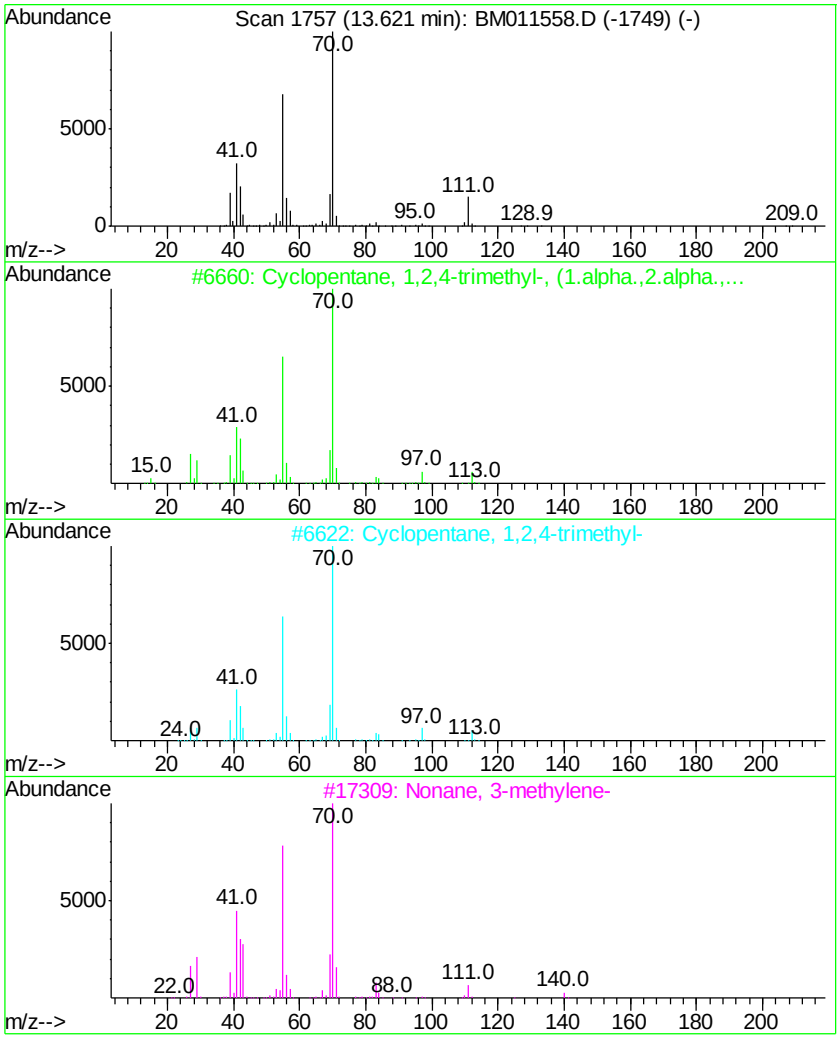
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

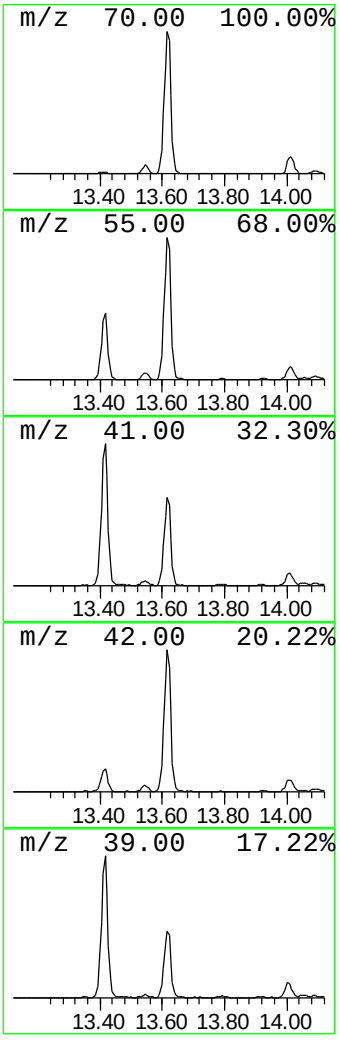
****

Peak Number 10 (DEL) Alkane: Cyclic13.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	9.38 ng/ul	2489450	Acenaphthene-d10	14.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	64
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	64
3	Nonane, 3-methylene-	140	C10H20	051655-64-2	64
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	64
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

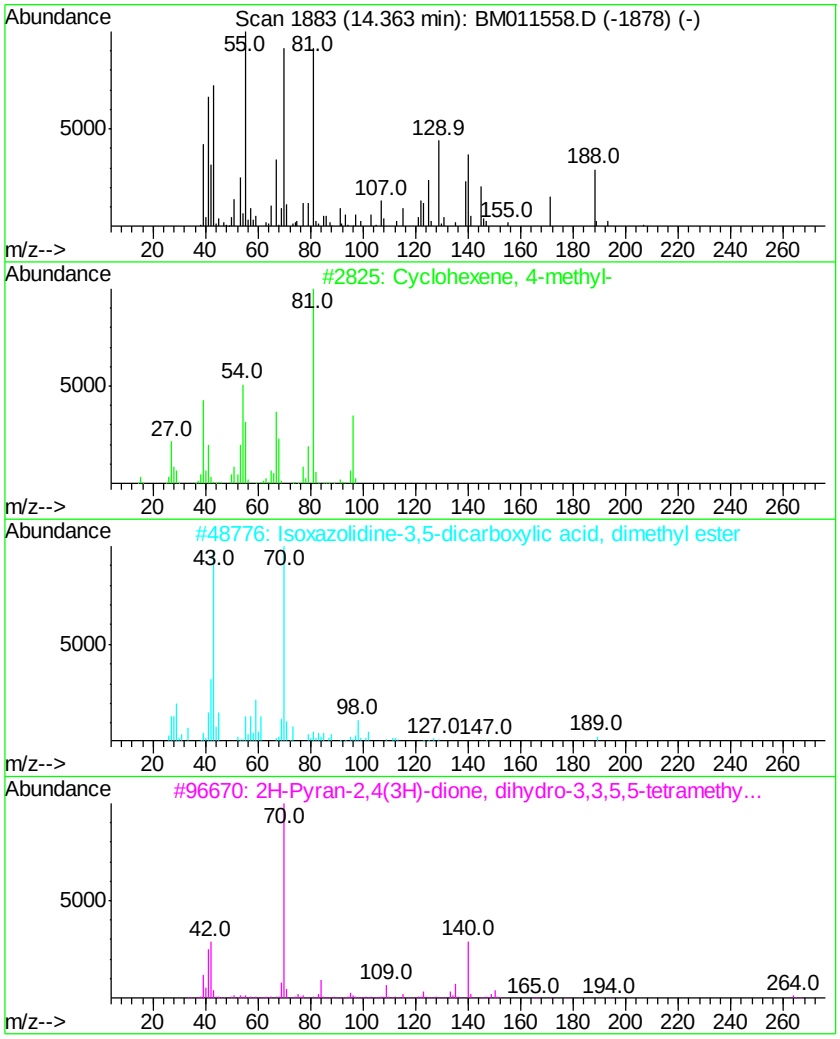
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

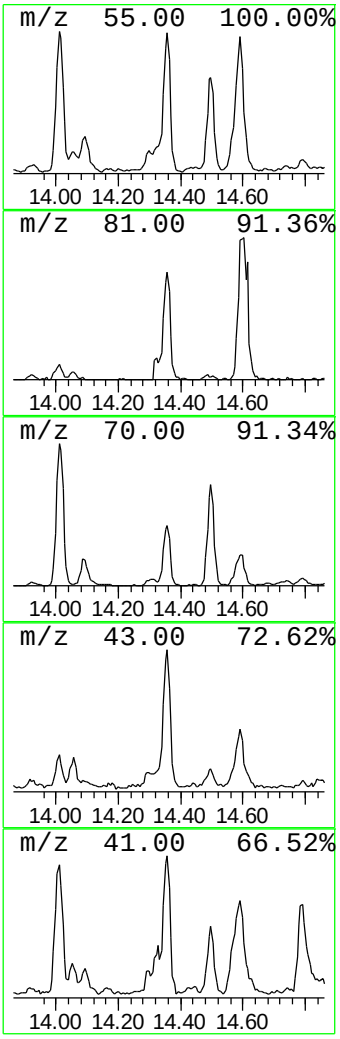
****

Peak Number 11 unknown-04 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	2.00 ng/ul	531794	Acenaphthene-d10	14.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	12
2	Isoxazolidine-3,5-dicarboxylic a...	189	C7H11NO5	1000187-99-6	11
3	2H-Pyran-2,4(3H)-dione, dihydro-...	264	C15H17FO3	1000277-11-0	10
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	10
5	3-Hydroxy-2,2,4-trimethyl-3-pent...	140	C8H12O2	003173-79-3	10





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM091417\
Data File : BM011558.D
Acq On : 15 Sep 2017 01:29
Operator : SJ/JU
Sample : I5191-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	9.59	11.6	ng/ul	2159940	2	10.78	3729040	20.0
unknown-01	9.92	2.7	ng/ul	506006	2	10.78	3729040	20.0
unknown-02	11.33	4.5	ng/ul	829713	2	10.78	3729040	20.0
(DEL) Alkane: Cyc...	11.43	2.1	ng/ul	390213	2	10.78	3729040	20.0
unknown-03	13.42	15.6	ng/ul	4150080	3	14.60	5310270	20.0
(DEL) Alkane: Cyc...	13.62	9.4	ng/ul	2489450	3	14.60	5310270	20.0
unknown-04	14.36	2.0	ng/ul	531794	3	14.60	5310270	20.0