LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

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_G\METHODS\SOM02.2-EPA-BG080915.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	4.041	201	205	210	rBV3	18124	29205	0.94%	0.097%
2	5.592	465	469	475	rVB6	11717	21345	0.68%	0.071%
3	5.728	485	492	495	rBV6	15885	30084	0.96%	0.100%
4	6.098	549	555	560	rVB8	19820	29395	0.94%	0.098%
5	6.350	594	598	601	rBV5	14649	23629	0.76%	0.079%
6	6.568	631	635	640	rBV7	15954	22760	0.73%	0.076%
7	6.638	642	647	652	rVB4	17467	27140	0.87%	0.090%
8	6.903	687	692	696	rBV7	16295	29652	0.95%	0.099%
9	6.967	698	703	705	rBV4	12206	22368	0.72%	0.075%
10	7.073	716	721	725	rVB5	30146	53719	1.72%	0.179%
11	7.132	725	731	734	rVB6	16930	24767	0.79%	0.083%
12	7.173	734	738	741	rBV6	22528	34181	1.09%	0.114%
13	7.238	741	749	756	rBV	218025	390245	12.50%	1.301%
14	7.296	756	759	765	rVB6	12668	25519	0.82%	0.085%
15	7.402	768	777	785	rBV	167921	297405	9.52%	0.992%
16	7.473	785	789	793	rBV6	14612	23229	0.74%	0.077%
17	7.561	796	804	808	rBV2	78781	144015	4.61%	0.480%
18	7.614	808	813	822	rVB	184763	333301	10.67%	1.111%
19	7.702	824	828	832	rBV2	45989	66975	2.14%	0.223%
20	7.807	842	846	851	rVB7	14885	26019	0.83%	0.087%
21	7.902	857	862	864	rBV5	11298	19063	0.61%	0.064%
22	8.031	871	884	886	rBV4	81007	196724	6.30%	0.656%
23	8.078	886	892	900	rVV2	391383	766424	24.54%	2.555%
24	8.154	900	905	909	rVV6	26060	46832	1.50%	0.156%
25	8.213	909	915	920	rVV8	20804	58169	1.86%	0.194%
26	8.272	920	925	929	rVV6	39893	69036	2.21%	0.230%
27	8.319	929	933	934	rVV3	17937	25494	0.82%	0.085%
28	8.372	938	942	950	rVB3	45958	76668	2.46%	0.256%
29	8.513	962	966	973	rBV9	19790	41063	1.31%	0.137%
30	8.612	978	983	984	rBV4	27056	33804	1.08%	0.113%
31	8.730	997	1003	1004	rBV4	34046	57951	1.86%	0.193%
32	8.777	1006	1011	1018	rVB	179340	303824	9.73%	1.013%
33	8.847	1018	1023	1026	rBV5	29691	48026	1.54%	0.160%
34	8.918	1026	1035	1040	rBV5	48749	114140	3.66%	0.381%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

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_G\METHODS\SOM02.2-EPA-BG080915.M
Title : SVOA CALIBRATION

35	9.082	1058	1063	1070	rVB2	81950	137576	4.41%	0.459%
36	9.159	1071	1076	1077	rVV5	36318	45739	1.46%	0.152%
37	9.188	1077	1081	1084	rVV4	83708	154473	4.95%	0.515%
38	9.235	1084	1089	1094	rVV	195130	364370	11.67%	1.215%
39	9.306	1095	1101	1106	rVV2	126291	248262	7.95%	0.828%
40	9.347	1106	1108	1113	rVB5	27746	36743	1.18%	0.123%
41	9.400	1113	1117	1119	rBV2	44084	65595	2.10%	0.219%
42	9.435	1120	1123	1132	rVB8	60516	132234	4.23%	0.441%
43	9.564	1132	1145	1152	rBV9	42610	136456	4.37%	0.455%
44	9.664	1159	1162	1166	rVB6	13510	20422	0.65%	0.068%
45	9.723	1166	1172	1176	rBV7	38780	73641	2.36%	0.246%
46	9.764	1176	1179	1183	rVV3	40264	70431	2.26%	0.235%
47	9.811	1183	1187	1191	rVB3	47107	70421	2.26%	0.235%
48	9.964	1206	1213	1218	rBV3	176202	353665	11.33%	1.179%
49	10.011	1218	1221	1226	rVB2	44414	61521	1.97%	0.205%
50	10.070	1226	1231	1238	rBV8	94239	192854	6.18%	0.643%
51	10.234	1255	1259	1263	rVB6	30486	44269	1.42%	0.148%
52	10.293	1263	1269	1275	rBV8	44357	120152	3.85%	0.401%
53	10.498	1296	1304	1311	rVB	235953	460177	14.74%	1.534%
54	10.587	1315	1319	1323	rBV5	26687	48431	1.55%	0.161%
55	10.669	1328	1333	1337	rBV8	20811	35340	1.13%	0.118%
56	10.775	1344	1351	1360	rBV10	46399	117062	3.75%	0.390%
57	10.886	1360	1370	1375	rBV	550021	1224077	39.20%	4.081%
58	11.015	1386	1392	1395	rBV2	81493	164872	5.28%	0.550%
59	11.045	1395	1397	1401	rVB2	78875	98108	3.14%	0.327%
60	11.303	1436	1441	1450	rVB2	29361	64501	2.07%	0.215%
61	11.380	1450	1454	1460	rBV7	33142	58255	1.87%	0.194%
62	11.444	1460	1465	1472	rVB6	42153	98883	3.17%	0.330%
63	11.509	1472	1476	1480	rBV5	36135	75181	2.41%	0.251%
64	11.550	1480	1483	1484	rBV3	20723	24072	0.77%	0.080%
65	11.591	1486	1490	1496	rVB8	75076	151898	4.86%	0.506%
66	11.656	1497	1501	1505	rBV6	31773	58459	1.87%	0.195%
67	11.721	1509	1512	1518	rVB8	44301	65917	2.11%	0.220%
68	11.797	1520	1525	1533	rVB9	57674	128629	4.12%	0.429%
69	11.862	1534	1536	1540	rBV5	26253	38371	1.23%	0.128%
70	11.909	1540	1544	1547	rBV	103793	161943	5.19%	0.540%
71	11.985	1553	1557	1563	rVB5	113325	209831	6.72%	0.700%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

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_G\METHODS\SOM02.2-EPA-BG080915.M
Title : SVOA CALIBRATION

72	12.173	1586	1589	1593	rBV5	34450	47480	1.52%	0.158%
73	12.296	1607	1610	1612	rBV2	48378	56709	1.82%	0.189%
74	12.614	1660	1664	1670	rBV4	101609	185035	5.93%	0.617%
75	13.072	1738	1742	1746	rBV6	102939	217095	6.95%	0.724%
76	13.154	1752	1756	1762	rVB4	221808	356085	11.40%	1.187%
77	13.213	1763	1766	1767	rBV2	77465	89886	2.88%	0.300%
78	13.319	1778	1784	1791	rBV5	219283	466270	14.93%	1.555%
79	13.495	1810	1814	1822	rBV2	492099	930151	29.79%	3.101%
80	13.977	1892	1896	1900	rBV6	200807	371377	11.89%	1.238%
81	14.100	1914	1917	1919	rBV	234384	298272	9.55%	0.994%
82	14.135	1919	1923	1928	rVV2	1323756	2031784	65.06%	6.774%
83	14.188	1929	1932	1936	rVB2	327147	408815	13.09%	1.363%
84	14.394	1964	1967	1971	rVB	483233	616295	19.74%	2.055%
85	14.453	1972	1977	1981	rBV5	642751	1143821	36.63%	3.814%
86	14.541	1988	1992	1997	rVB	1996508	3006864	96.29%	10.025%
87	14.611	1999	2004	2009	rBV4	391054	839685	26.89%	2.800%
88	14.676	2010	2015	2017	rBV2	955454	1597668	51.16%	5.327%
89	14.699	2017	2019	2026	rVB2	978306	1549289	49.61%	5.165%
90	15.028	2072	2075	2079	rBV	332206	414540	13.27%	1.382%
91	15.222	2104	2108	2113	rBV3	695062	1189368	38.09%	3.965%
92	15.498	2149	2155	2162	rVB2	1870323	3122773	100.00%	10.412%
93	15.692	2185	2188	2192	rVB2	665110	906804	29.04%	3.023%
94	16.421	2309	2312	2313	rBV	971013	1022260	32.74%	3.408%

Sum of corrected areas: 29993328

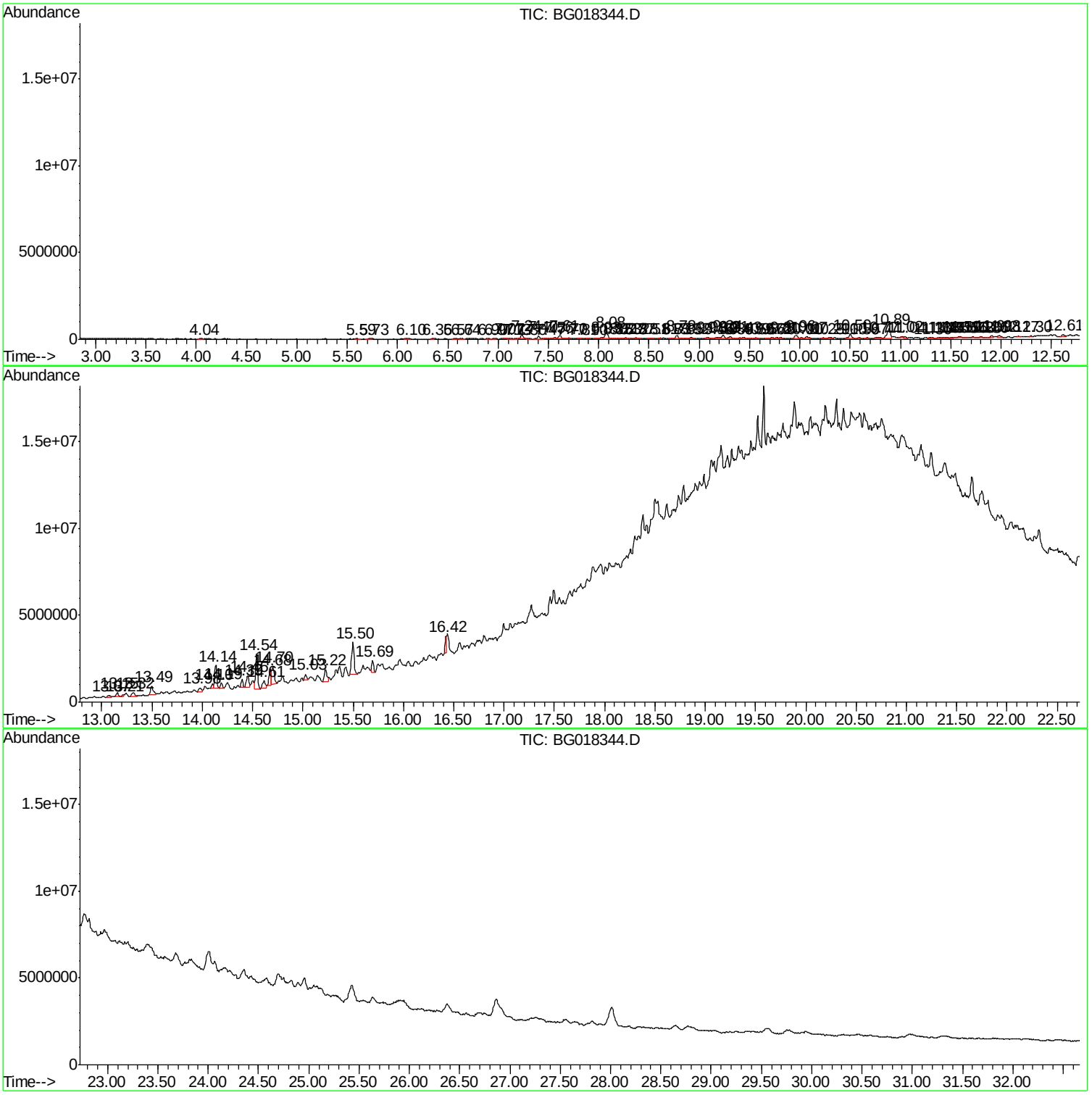
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

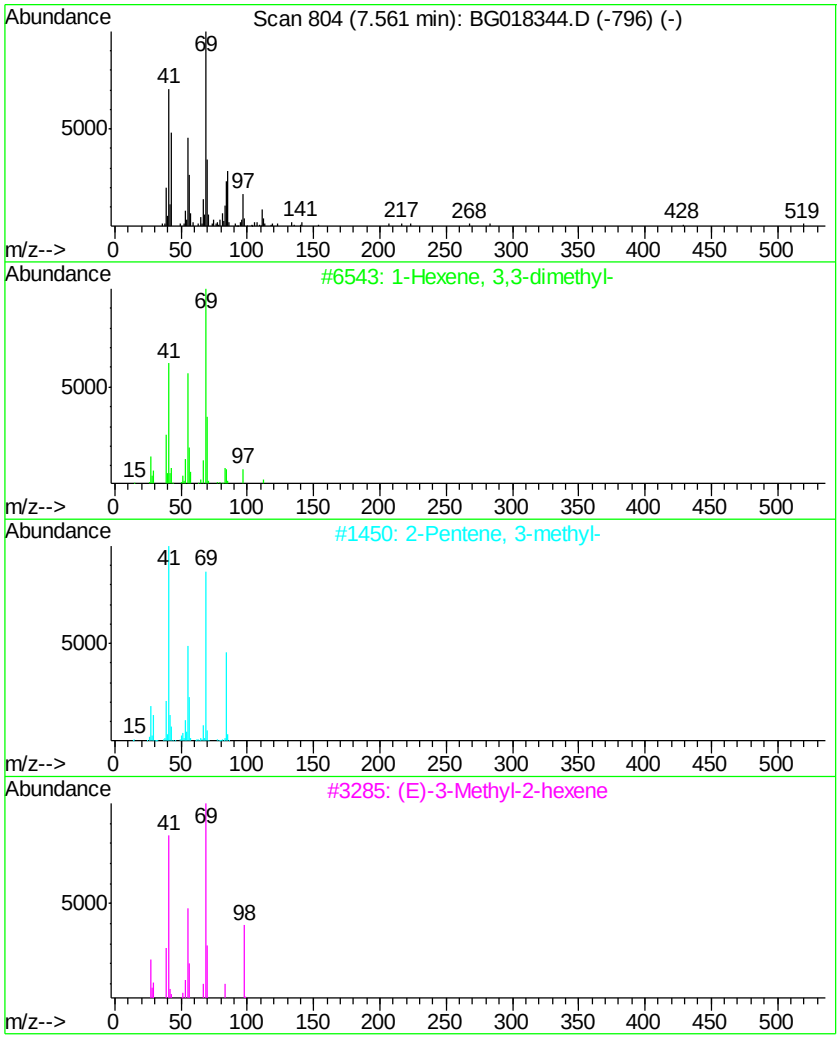
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

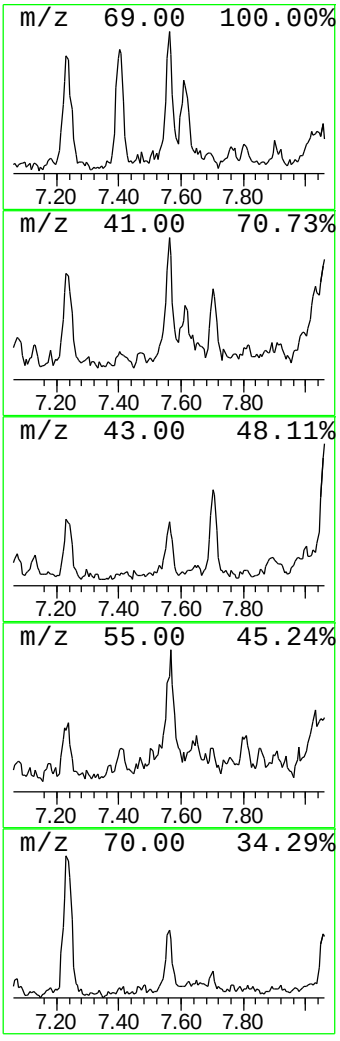
****

Peak Number 1 (DEL) Alkane: Cyclic7.56 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	3.76 ng/ul	144015	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	64
2	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	50
3	(E)-3-Methyl-2-hexene	98	C7H14	020710-38-7	50
4	3-Heptene, 2-methyl-, (E)-	112	C8H16	000692-96-6	50
5	Cyclopropane, (1,2-dimethylpropyl)-	112	C8H16	006976-27-8	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

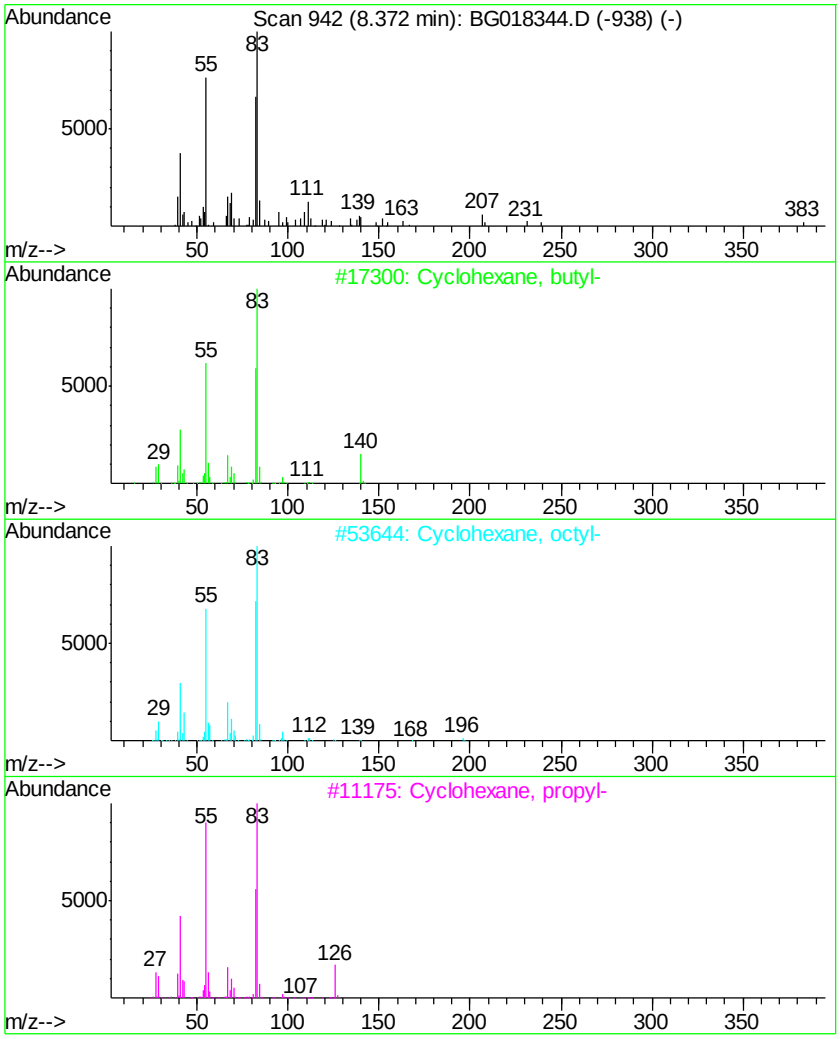
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

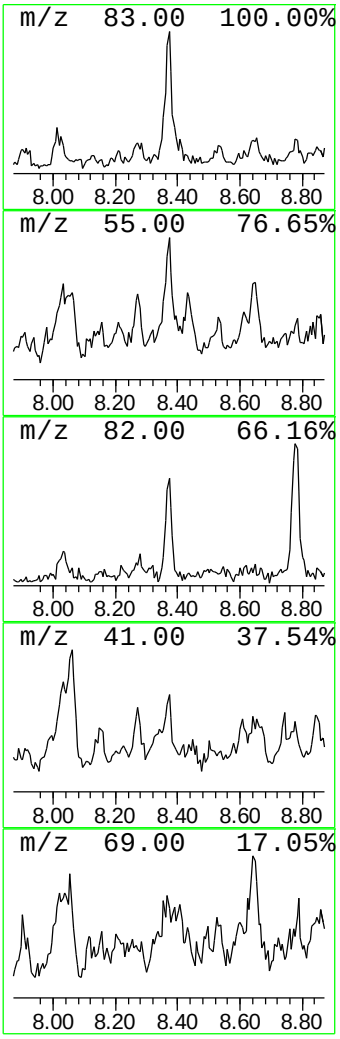
****

Peak Number 2 (DEL) Alkane: Cyclic8.37 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	2.00 ng/ul	76668	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Hexane, 1,6-dicyclohexyl-	250	C18H34	001610-23-7	64
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

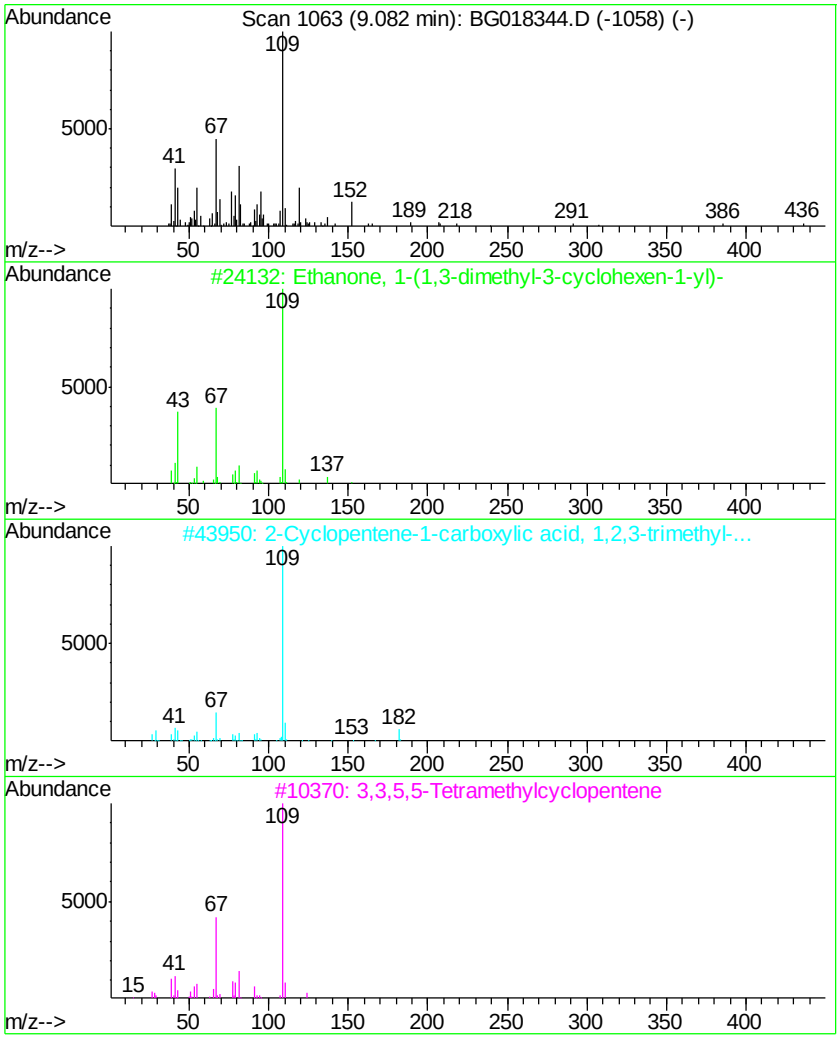
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

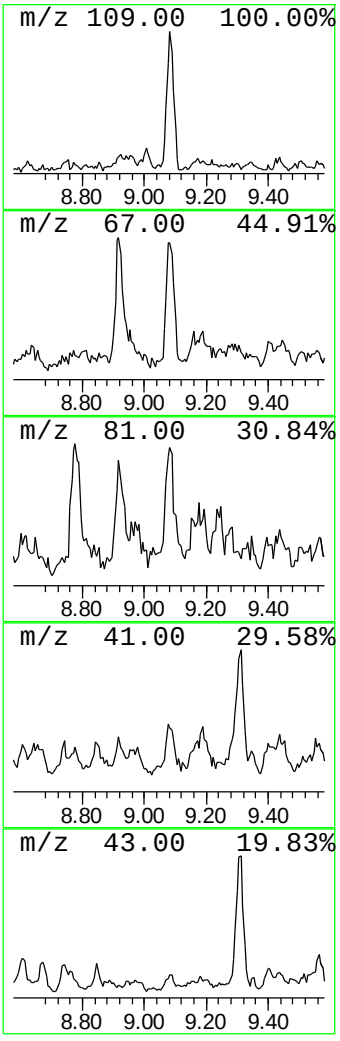
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanone, 1-(1,3-dimethyl-3... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	3.59 ng/ul	137576	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1,3-dimethyl-3-cycl...	152	C10H16O	051733-68-7	59
2	2-Cyclopentene-1-carboxylic acid...	182	C11H18O2	029915-95-5	53
3	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	53
4	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	53
5	1,3-Octadiene, 5,5-dimethyl-	138	C10H18	1000142-73-2	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

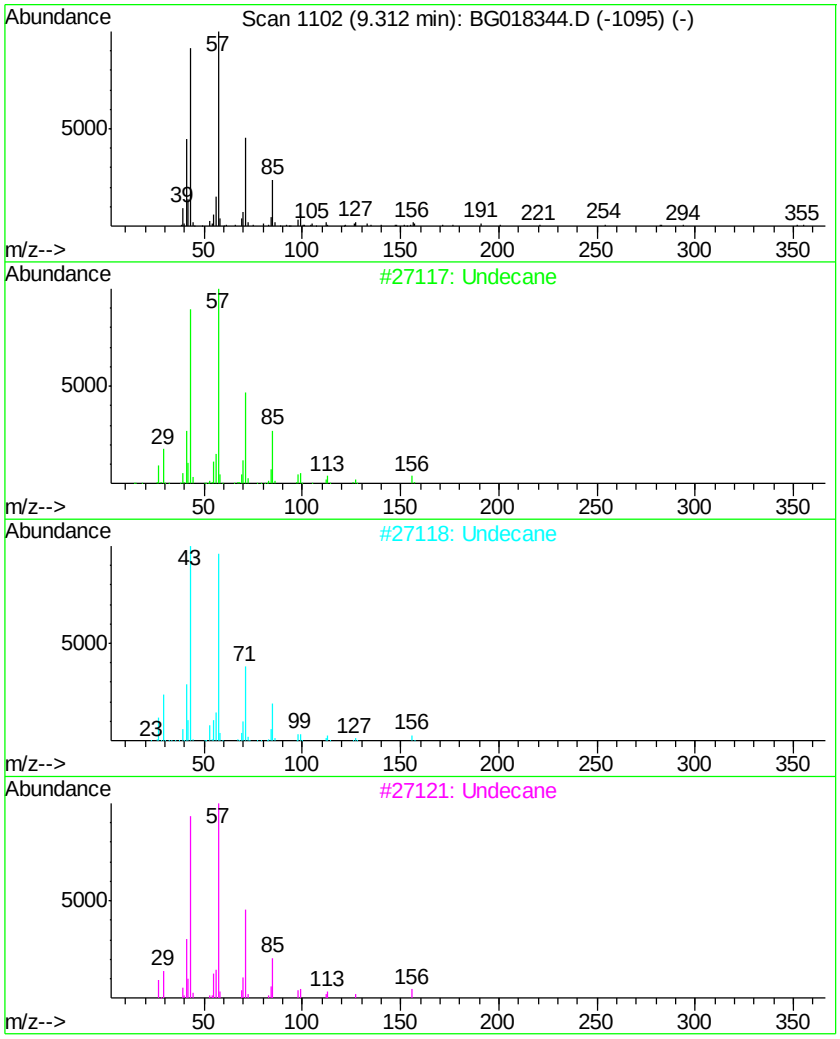
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

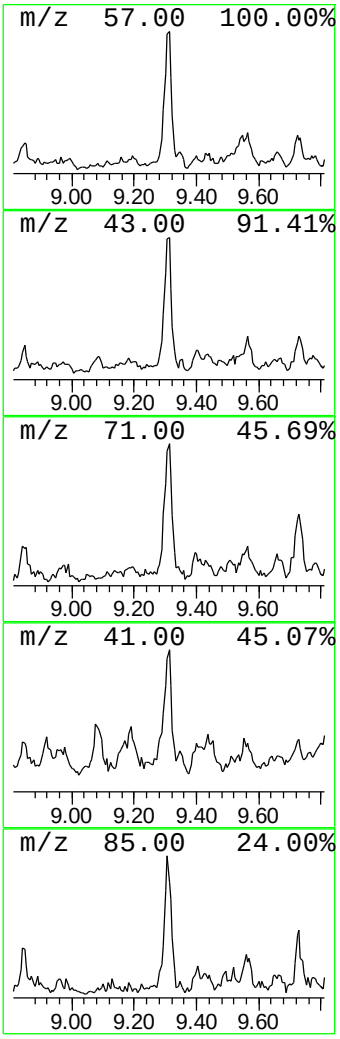
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	6.48 ng/ul	248262	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	90
3	Undecane	156	C11H24	001120-21-4	86
4	Hexadecane	226	C16H34	000544-76-3	83
5	Tetradecane	198	C14H30	000629-59-4	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

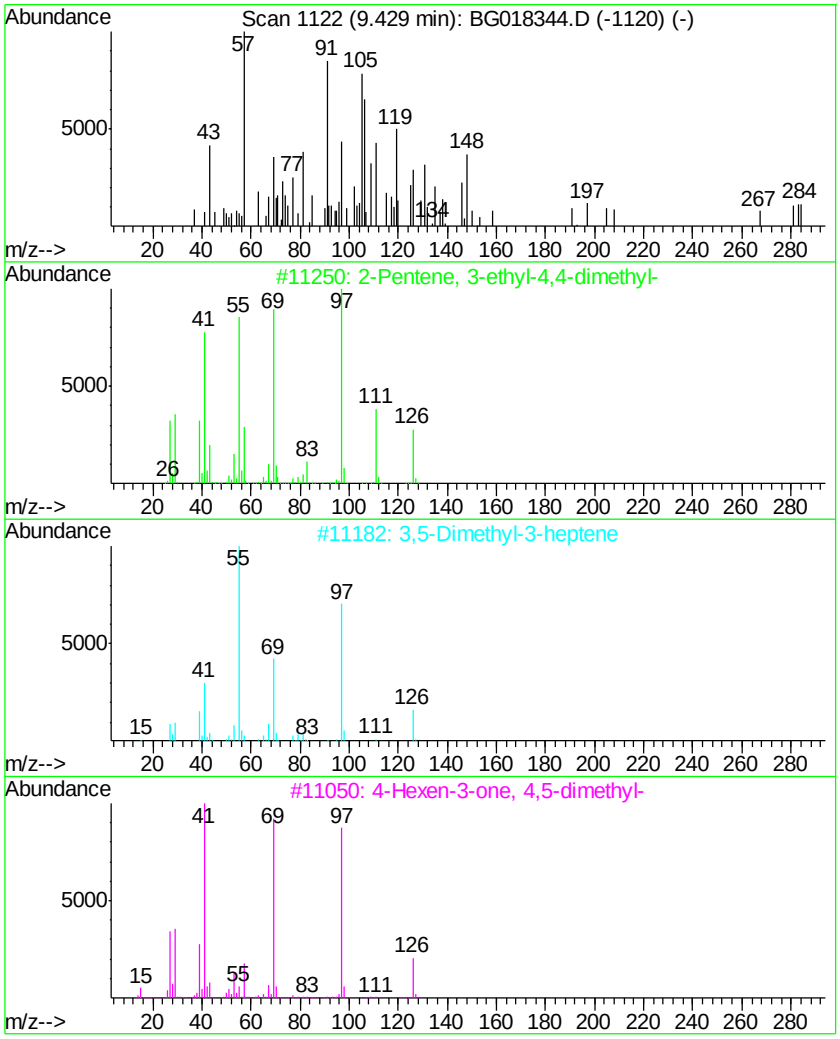
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

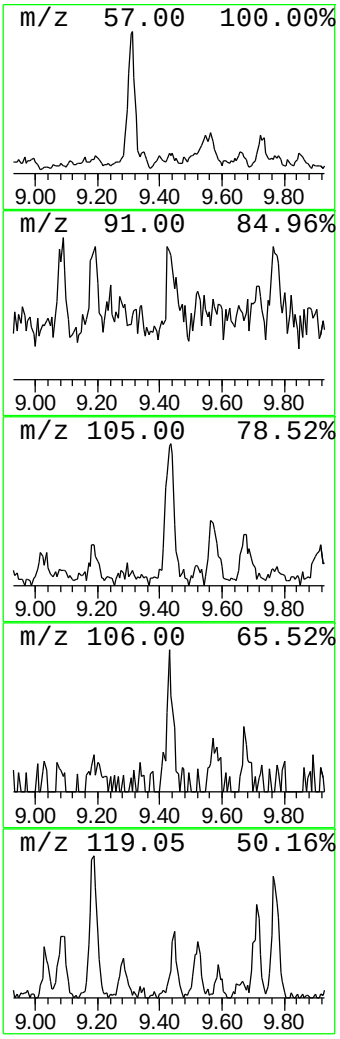
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic9.43 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	3.45 ng/ul	132234	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	25
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	14
3	4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	14
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	14
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	14





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

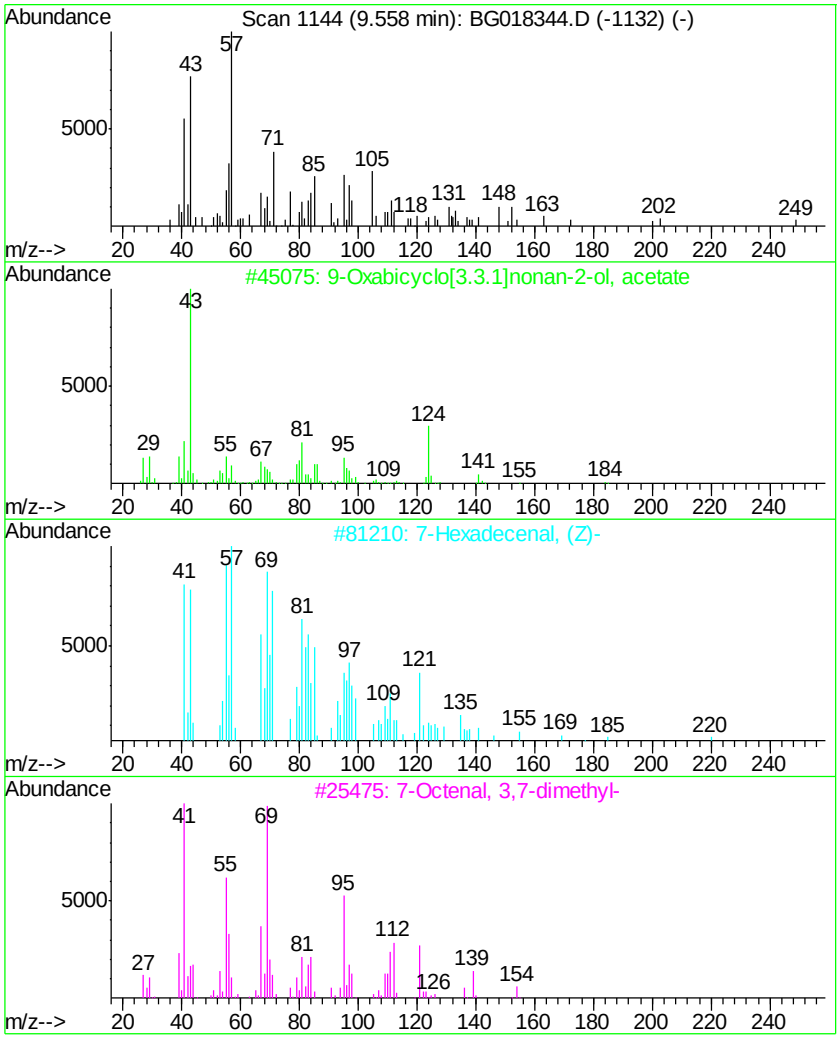
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

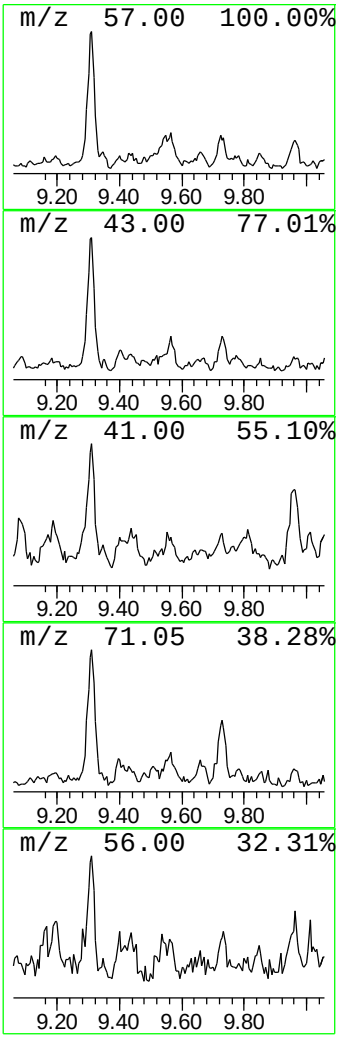
****

Peak Number 6 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	2.23 ng/ul	136456	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Oxabicyclo[3.3.1]nonan-2-ol, a...	184	C10H16O3	010555-34-7	27
2	7-Hexadecenal, (Z)-	238	C16H30O	056797-40-1	22
3	7-Octenal, 3,7-dimethyl-	154	C10H18O	000141-26-4	22
4	Ketone, methyl 2,2,3-trimethylcy...	154	C10H18O	017983-22-1	16
5	Ethanol, 2-bromo-	124	C2H5BrO	000540-51-2	14





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Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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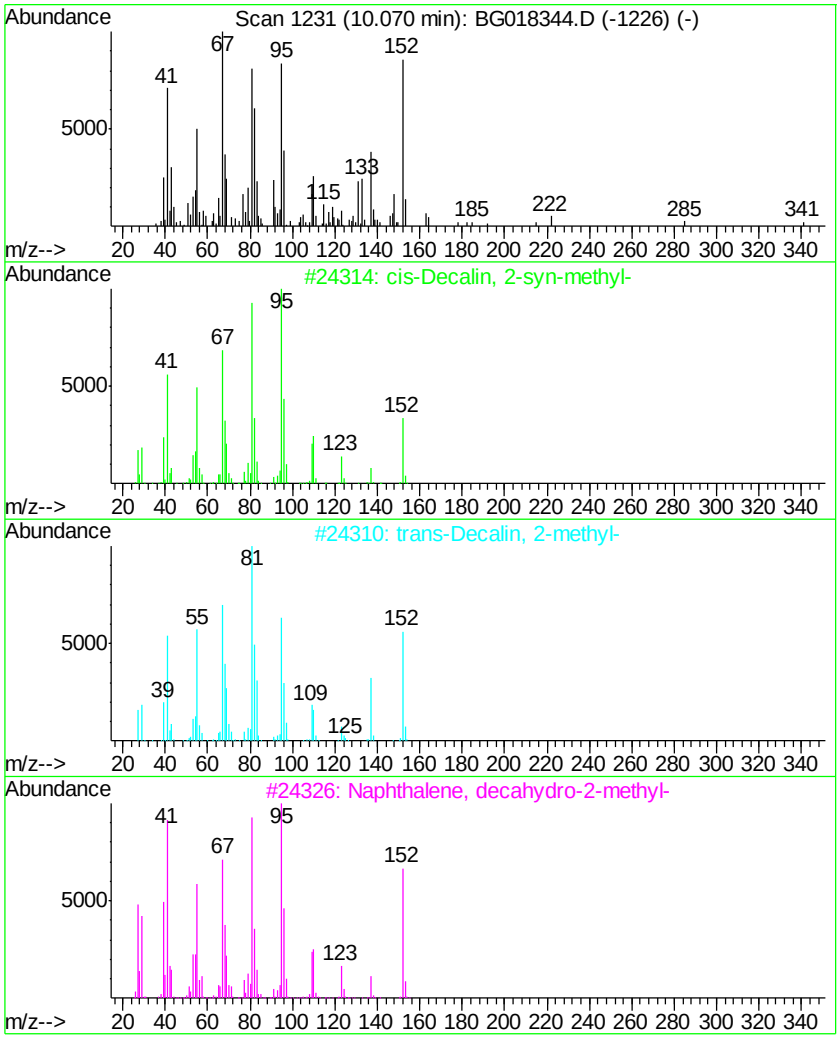
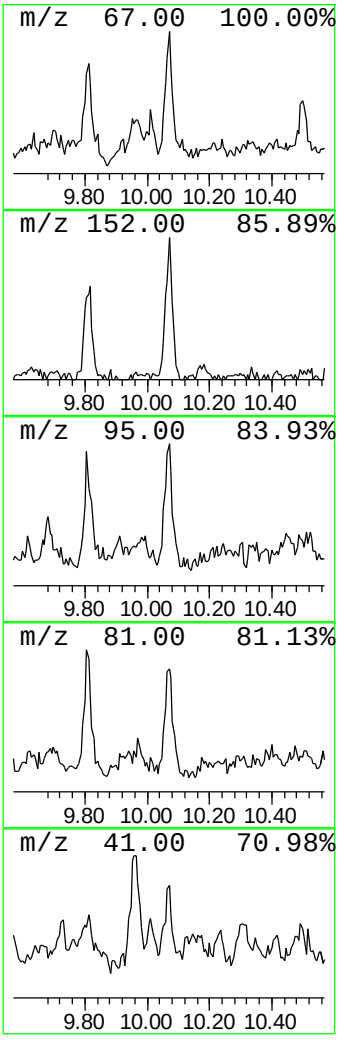
Peak Number 7 cis-Decalin, 2-syn-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	3.15 ng/ul	192854	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	90
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58
5	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	55





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : C02L8RX

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Quant Title : SVOA CALIBRATION

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

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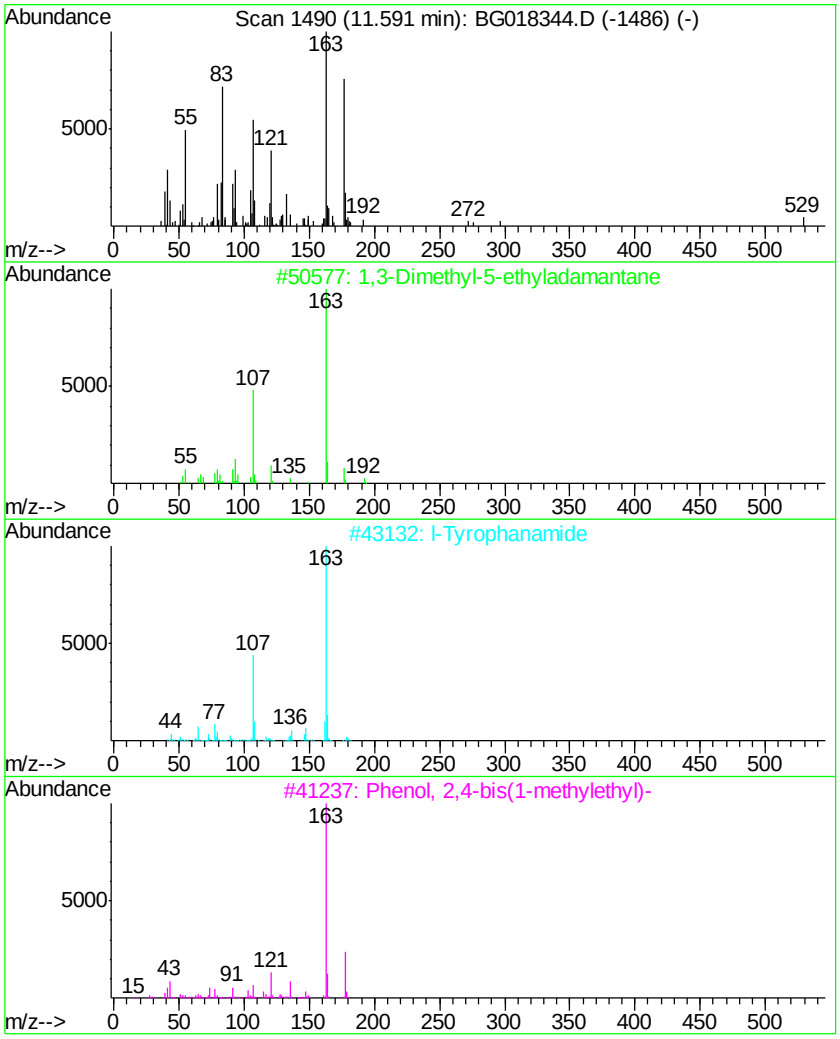
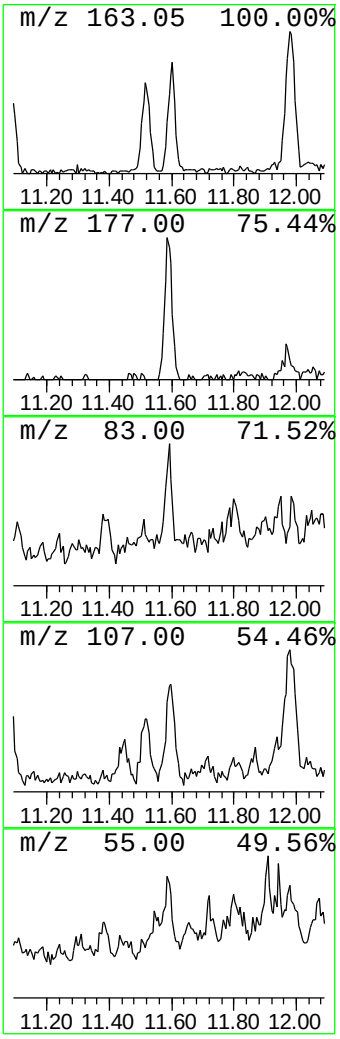
Peak Number 8 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.48 ng/ul	151898	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	38
2	l-Tyrophanamide	180	C9H12N2O2	1000131-25-3	35
3	Phenol, 2,4-bis(1-methylethyl)-	178	C12H18O	002934-05-6	30
4	1,3,5,6-Tetramethyladamantane	192	C14H24	034694-70-7	30
5	2-(2-Carbomethoxyethylimino)-3-m...	250	C12H14N2O2S	068720-71-8	27





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Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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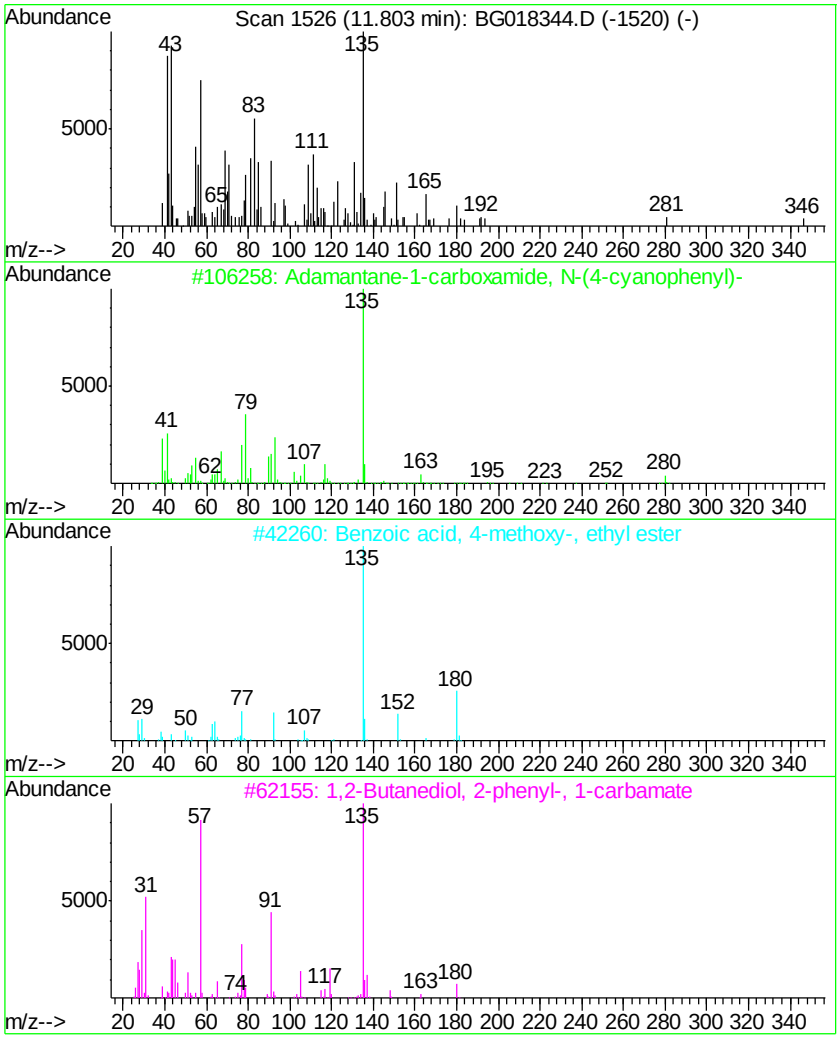
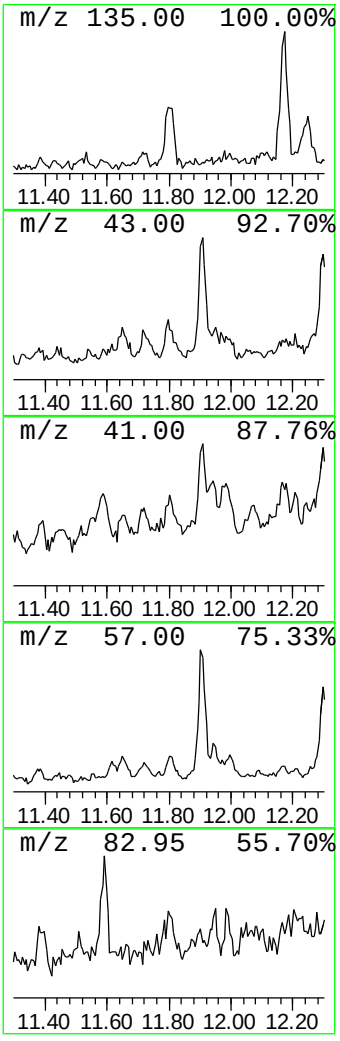
Peak Number 9 unknown-03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	2.10 ng/ul	128629	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane-1-carboxamide, N-(4-c...	280	C18H20N2O	331249-29-7	30
2	Benzoic acid, 4-methoxy-, ethyl ...	180	C10H12O3	000094-30-4	30
3	1,2-Butanediol, 2-phenyl-, 1-car...	209	C11H15NO3	000050-19-1	27
4	7-Methylene-bicyclo[3.3.1]nonan-...	165	C10H15NO	1000185-68-5	27
5	Trichlor-(1,2,3,4,5-pentamethylc...	314	C10H15Cl3Ge	1000288-04-1	27





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Acq On : 10 Aug 2015 00:50
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Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

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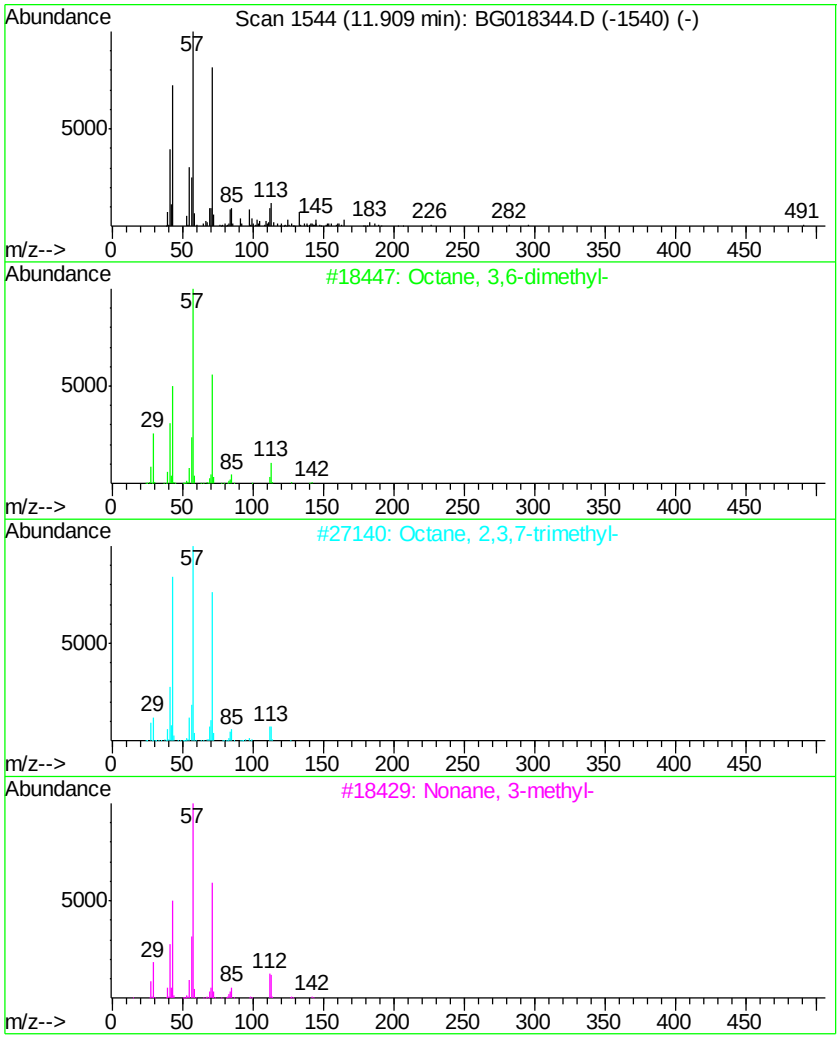
Quant Title : SVOA CALIBRATION

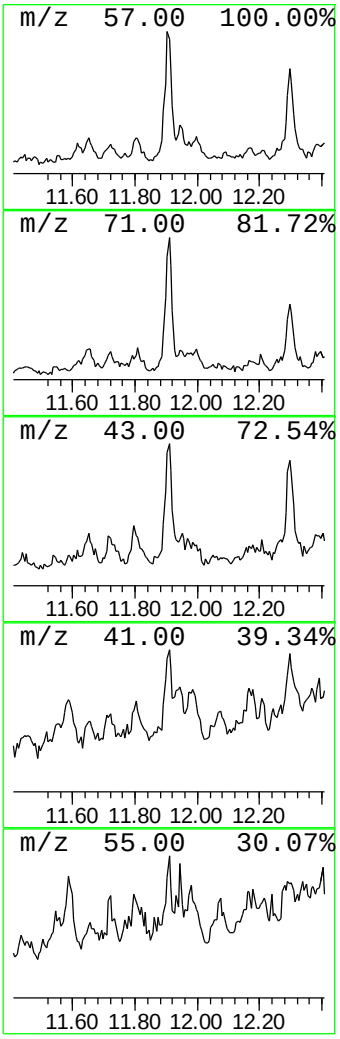
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.65 ng/ul	161943	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	62
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	53





Library Search Compound Report

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Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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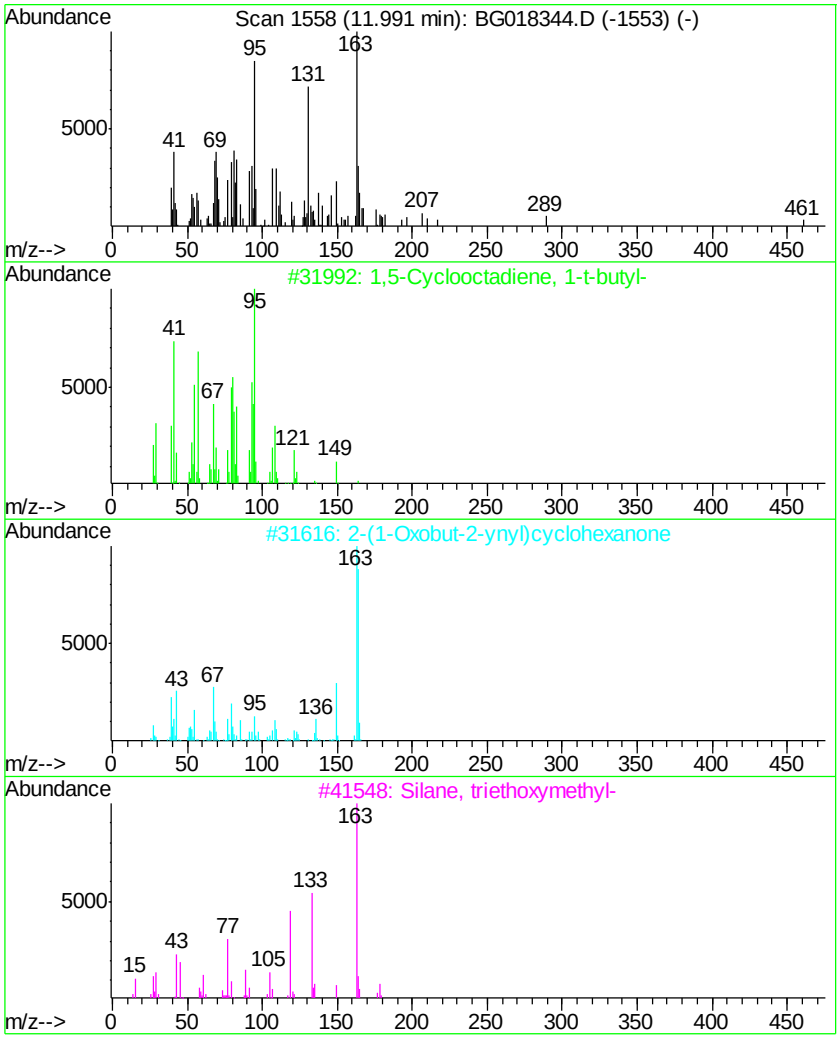
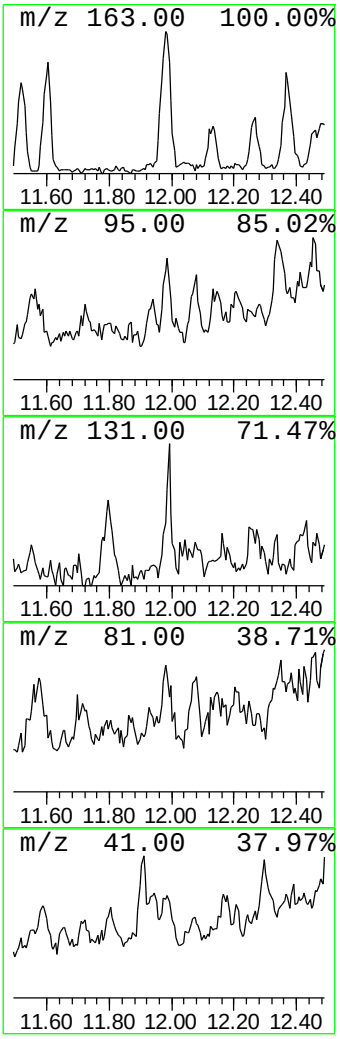
Peak Number 11 unknown-04 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.43 ng/ul	209831	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Cyclooctadiene, 1-t-butyl-	164	C12H20	1000152-18-6	32
2	2-(1-Oxobut-2-ynyl)cyclohexanone	164	C10H12O2	1000191-07-1	16
3	Silane, triethoxymethyl-	178	C7H18O3Si	002031-67-6	14
4	Methanone, bicyclo[2.2.0]hex-2-y...	204	C12H16N2O	1000196-74-5	12
5	Bicyclo[3.3.1]nonan-9-one, 1,2,4...	225	C12H19NO3	129967-65-3	12





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Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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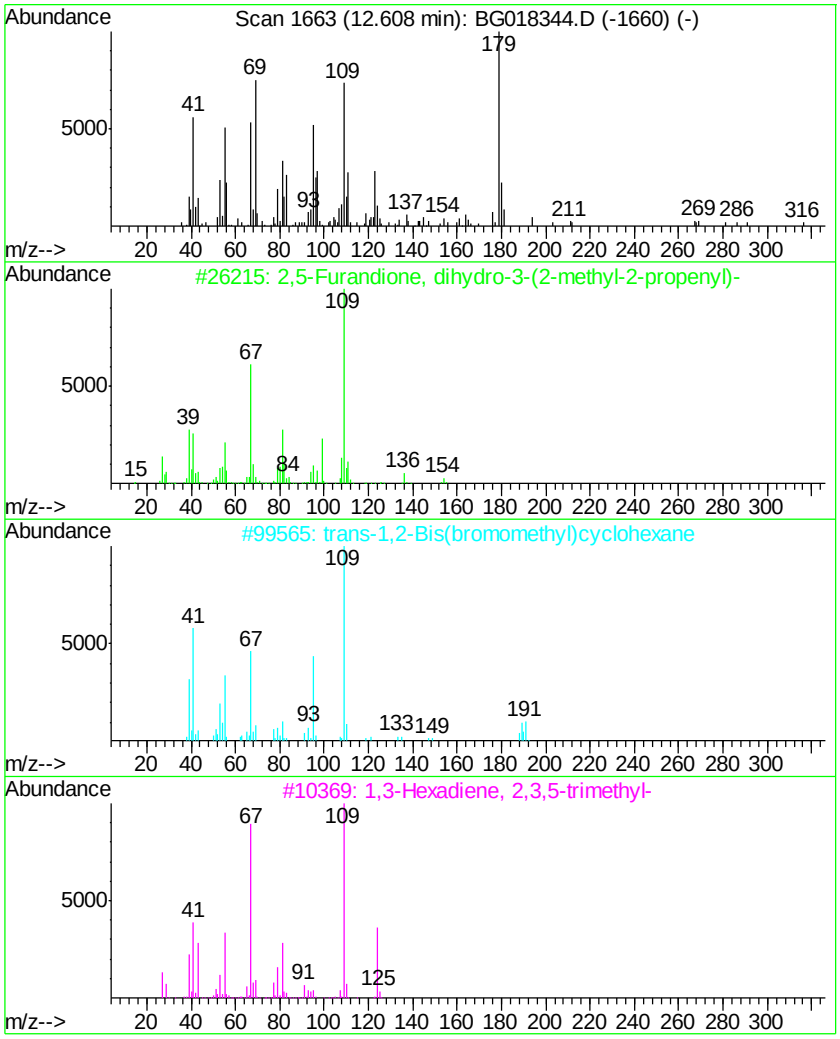
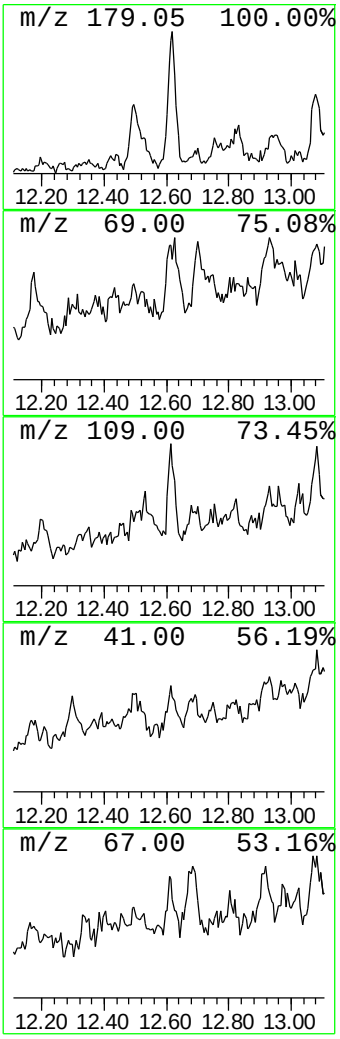
Peak Number 12 unknown-05 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	3.02 ng/ul	185035	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Furandione, dihydro-3-(2-met...	154	C8H10O3	018908-20-8	38
2	trans-1,2-Bis(bromomethyl)cycloh...	268	C8H14Br2	1000216-87-8	35
3	1,3-Hexadiene, 2,3,5-trimethyl-	124	C9H16	061142-34-5	30
4	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	30
5	Tricyclo[4.3.1.1(3,8)]undecane, ...	180	C12H20O	021898-92-0	30





Library Search Compound Report

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Sample : G3065-18RX
Misc :
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Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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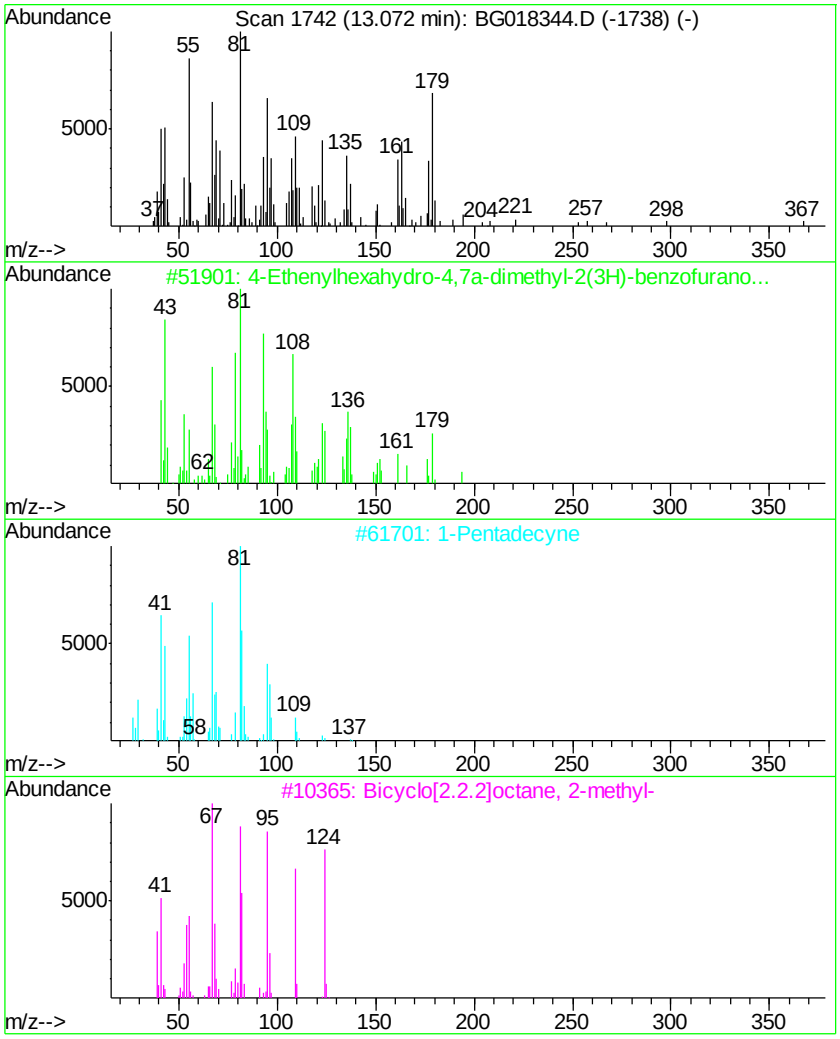
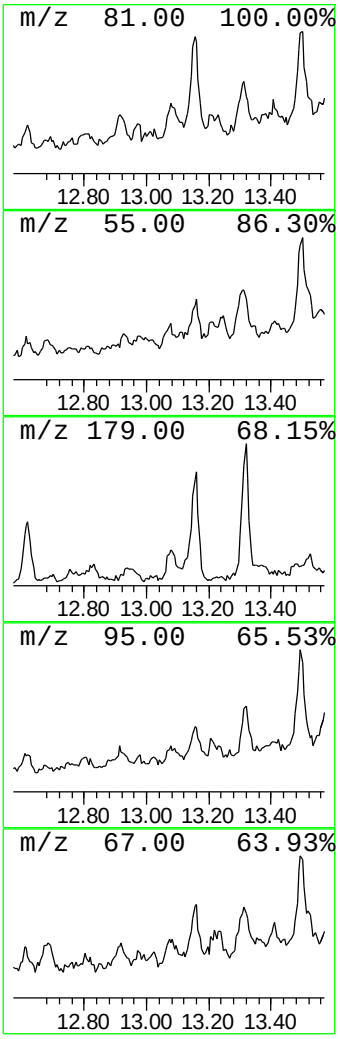
Peak Number 13 unknown-06 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.80 ng/ul	217095	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethenylhexahydro-4,7a-dimethyl...	194	C12H18O2	086852-65-5	49
2	1-Pentadecyne	208	C15H28	000765-13-9	41
3	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	41
4	3-Undecyne	152	C11H20	060212-30-8	38
5	4-Undecyne	152	C11H20	060212-31-9	35





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Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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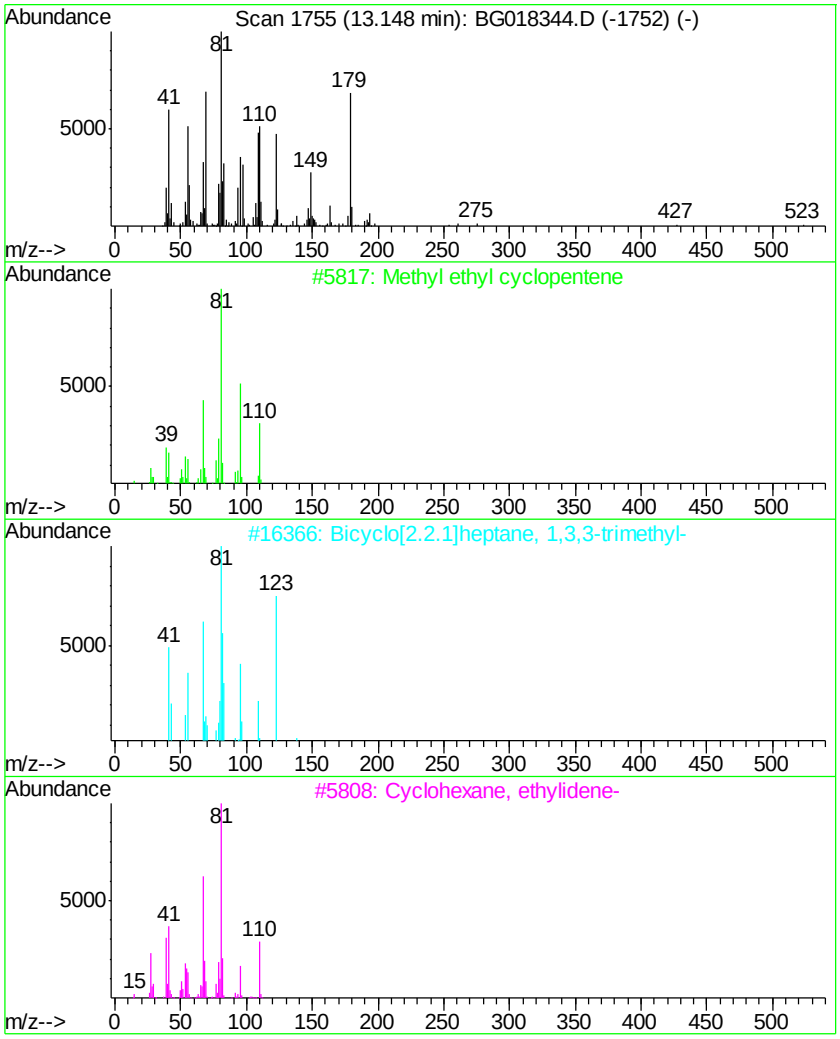
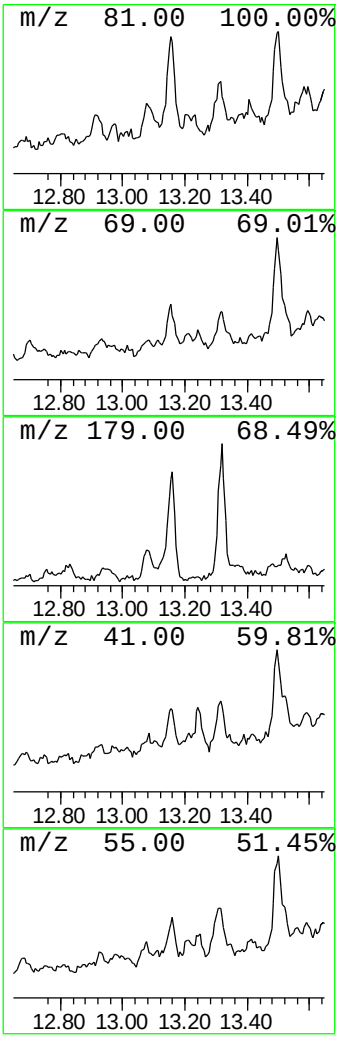
Peak Number 14 unknown-07 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	4.60 ng/ul	356085	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	45
2	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	43
3	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	41
4	Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	38
5	Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	38





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Sample : G3065-18RX
Misc :
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Instrument : BNA_G
ClientSampleId : C02L8RX

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Quant Title : SVOA CALIBRATION

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

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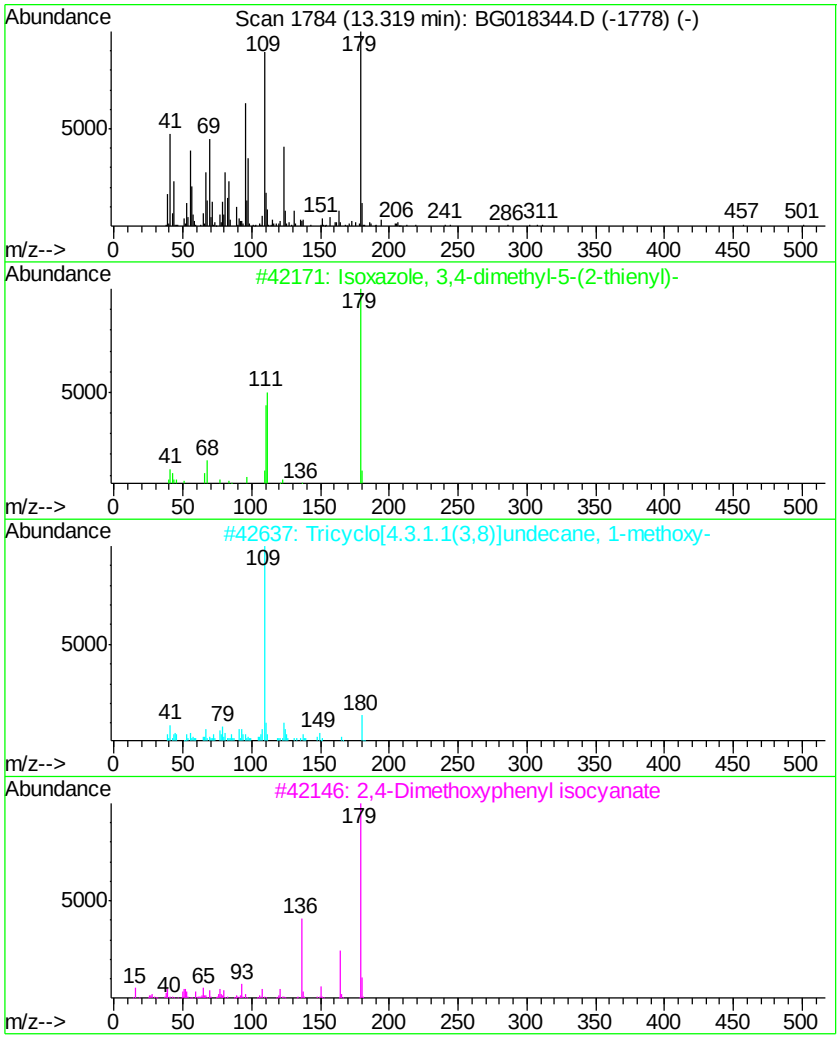
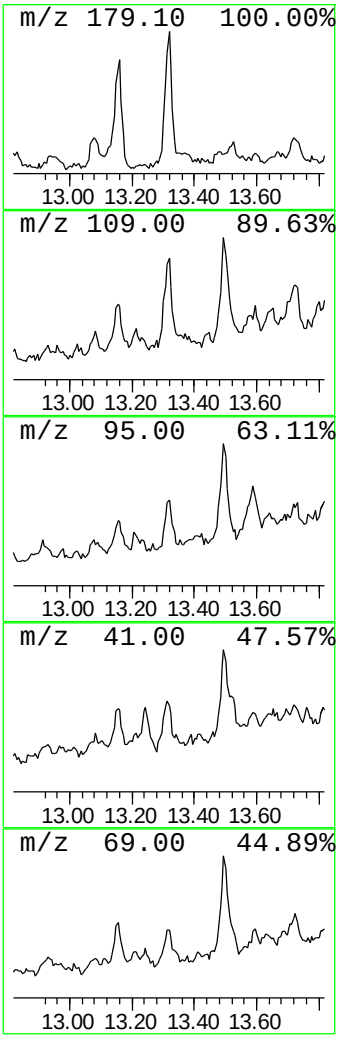
Peak Number 15 unknown-08 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	6.02 ng/ul	466270	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoxazole, 3,4-dimethyl-5-(2-thi...	179	C9H9NOS	056421-65-9	22
2	Tricyclo[4.3.1.1(3,8)]undecane, ...	180	C12H20O	021898-95-3	22
3	2,4-Dimethoxyphenyl isocyanate	179	C9H9NO3	084370-87-6	18
4	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	14
5	Benzoic acid, 3-isothiocyanato-	179	C8H5NO2S	002131-63-7	14





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Sample : G3065-18RX
Misc :
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Instrument : BNA_G
ClientSampleId : C02L8RX

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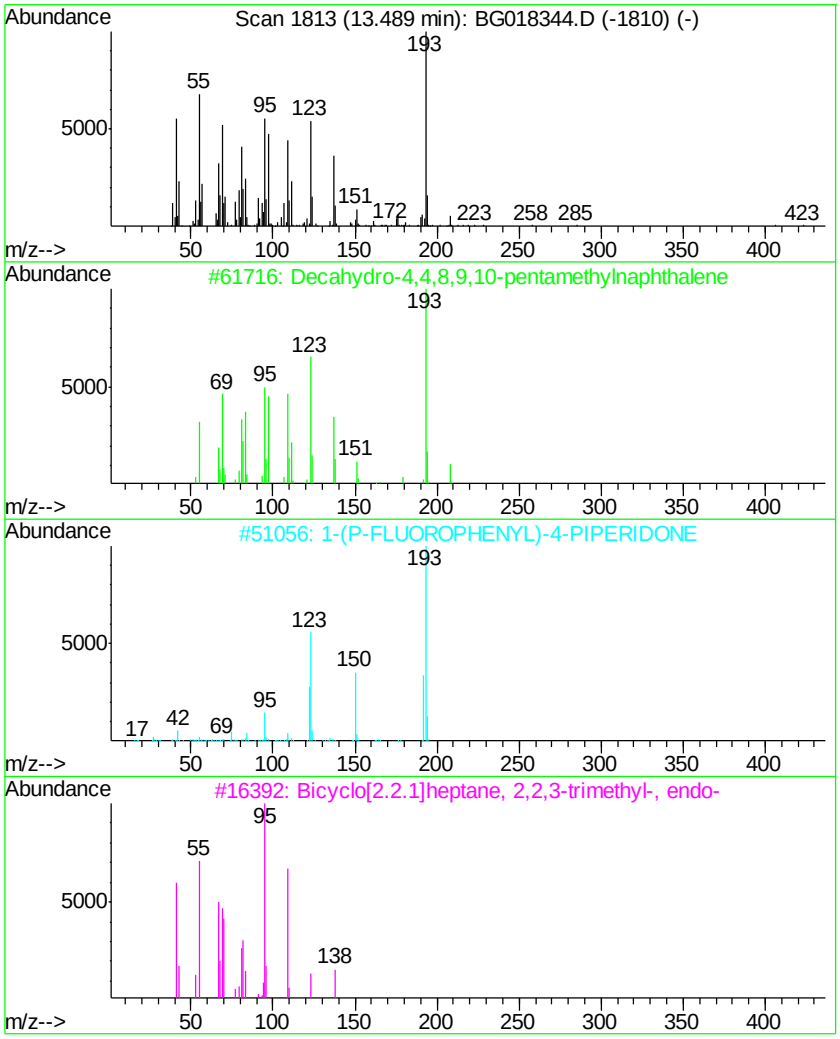
Quant Title : SVOA CALIBRATION

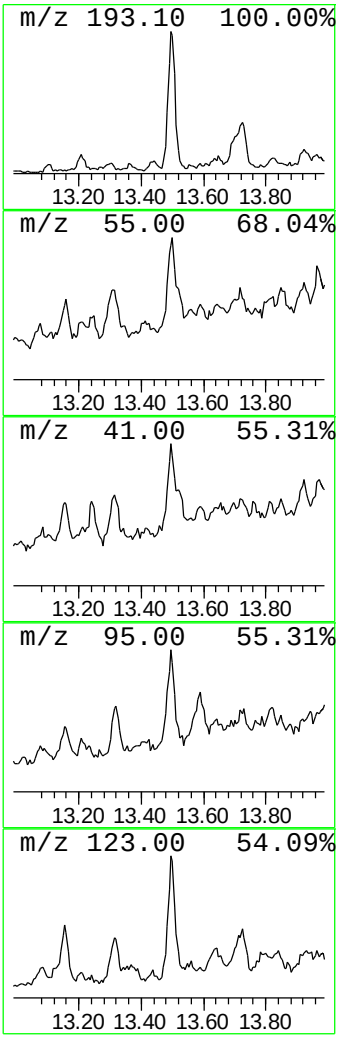
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Decahydro-4,4,8,9,10-pentam... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	12.01 ng/ul	930151	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	93
2	1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	38
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	35
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	35
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	25





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Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
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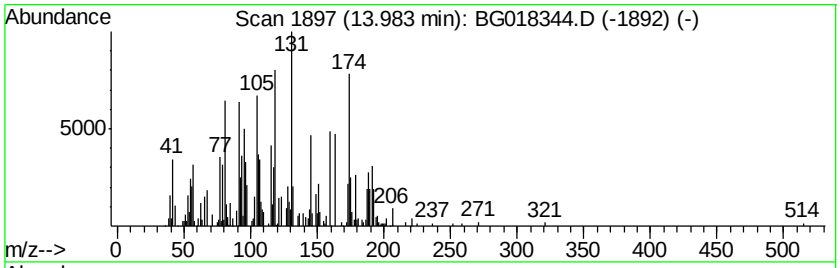
Quant Title : SVOA CALIBRATION

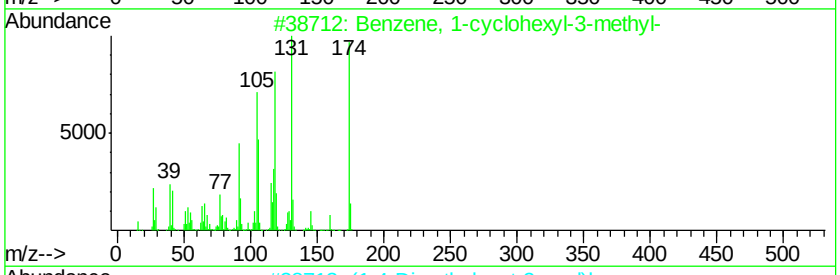
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

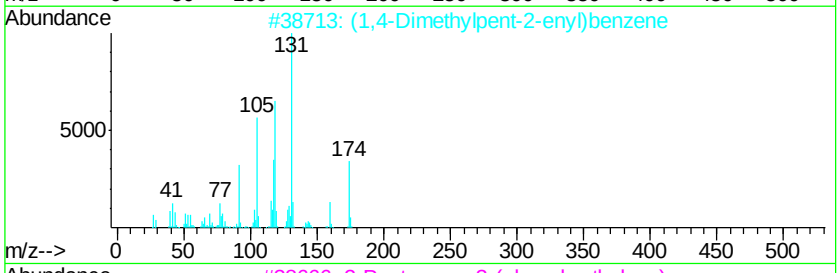
****
Peak Number 17 Benzene, 1-cyclohexyl-3-met... Concentration Rank 11

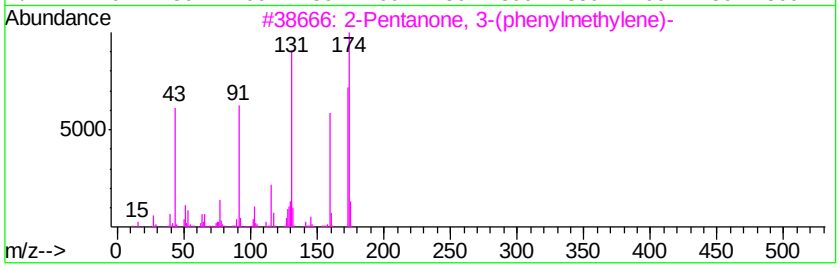
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	4.79 ng/ul	371377	Acenaphthene-d10	14.70

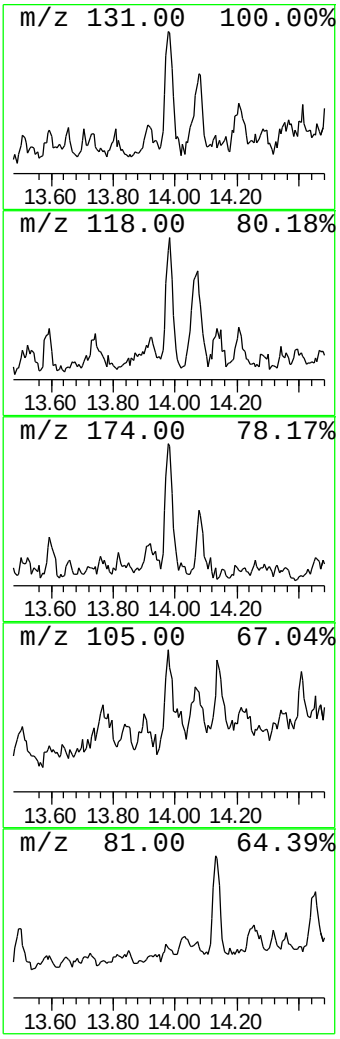
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-cyclohexyl-3-methyl-	174	C13H18	004575-46-6	60
2	(1,4-Dimethylpent-2-enyl)benzene	174	C13H18	1000184-97-9	46
3	2-Pentanone, 3-(phenylmethylene)-	174	C12H14O	003437-89-6	38
4	Isobutenal methylphenylhydrazone	174	C11H14N2	066400-94-0	25
5	Pentanoic acid, 2-(benzylideneam...	233	C14H19NO2	075691-28-0	22











Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

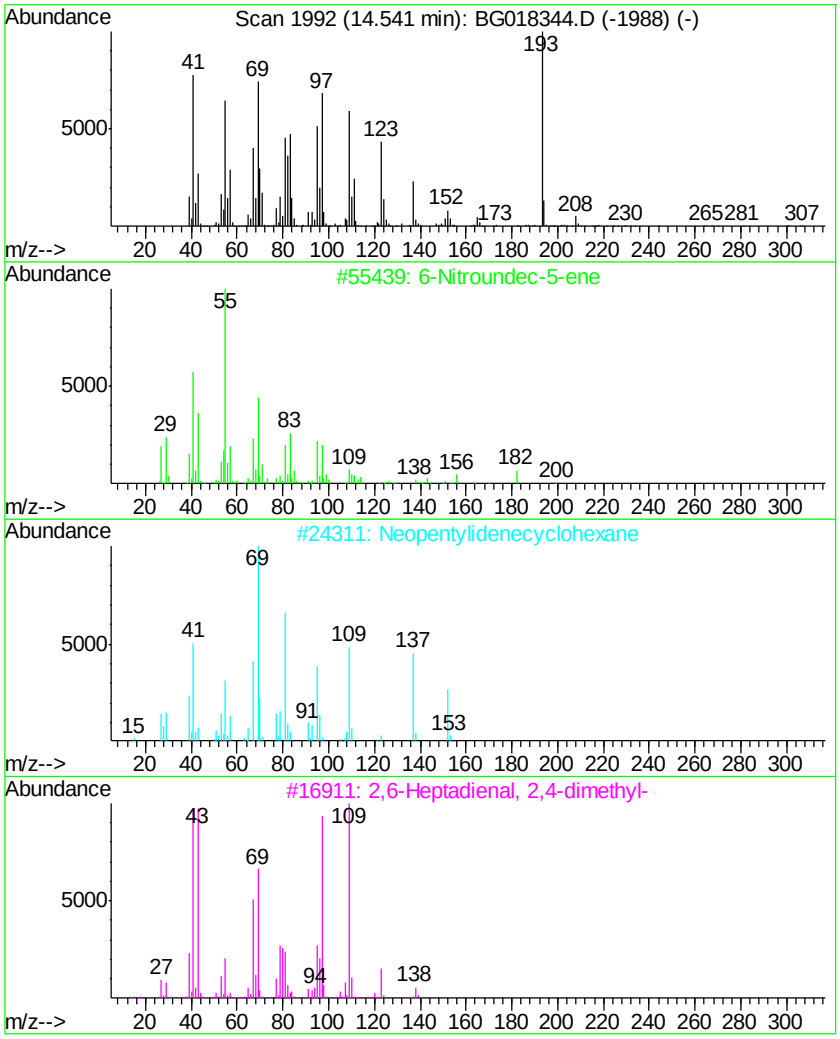
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

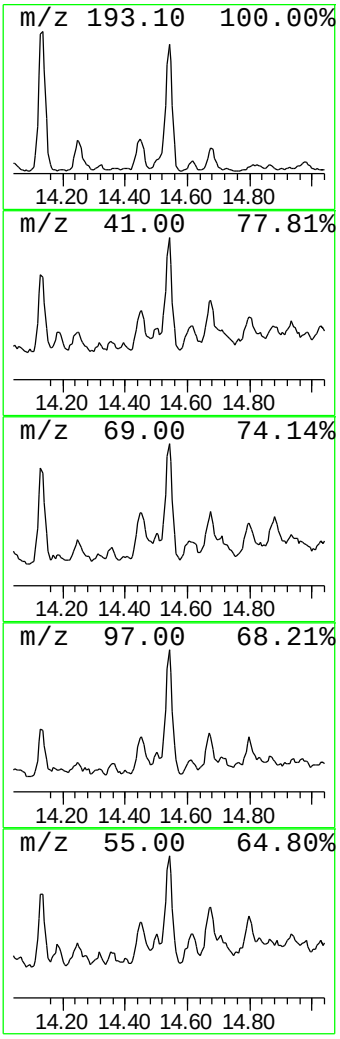
****

Peak Number 19 unknown-09 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	38.82 ng/ul	3006860	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Nitroundec-5-ene	199	C11H21NO2	1000192-40-3	41
2	Neopentylidenecyclohexane	152	C11H20	039546-80-0	35
3	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	25
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	25
5	1,6-Heptadiene, 2,5,5-trimethyl-	138	C10H18	062238-28-2	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

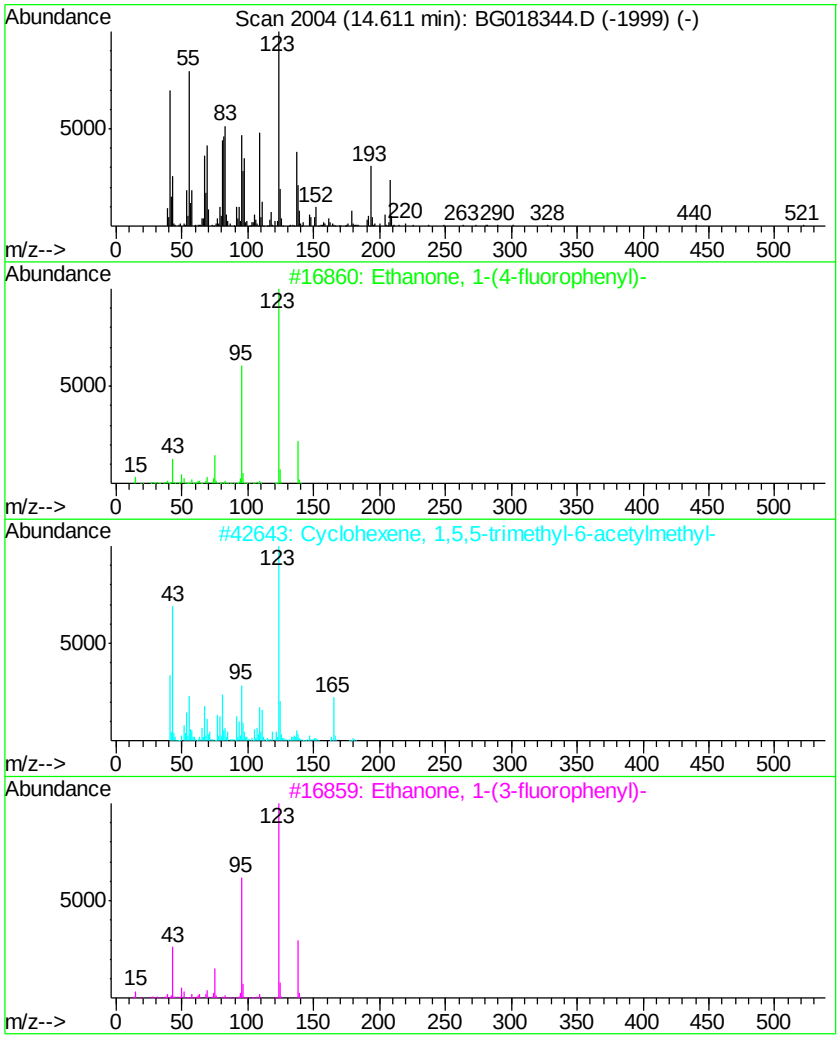
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

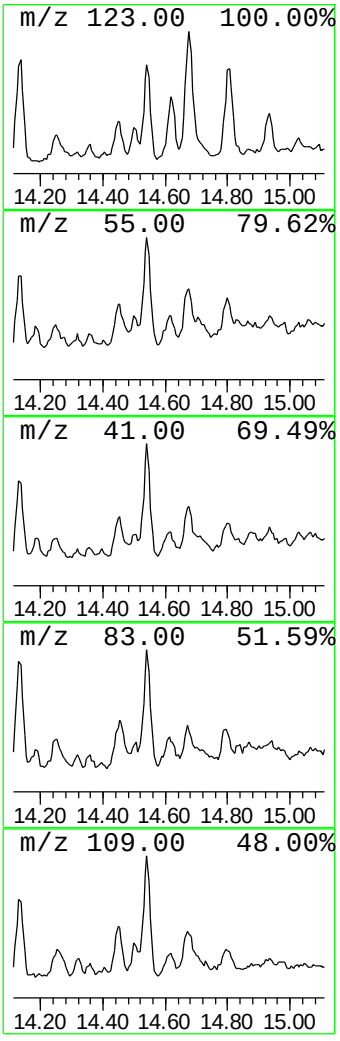
****

Peak Number 20 unknown-10 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	10.84 ng/ul	839685	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-fluorophenyl)-	138	C8H7FO	000403-42-9	38
2	Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	38
3	Ethanone, 1-(3-fluorophenyl)-	138	C8H7FO	000455-36-7	35
4	4,4-Dimethoxy-2,5-cyclohexadien-...	154	C8H10O3	000935-50-2	27
5	2-Pyrimidinamine, 4,6-dimethyl-	123	C6H9N3	000767-15-7	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

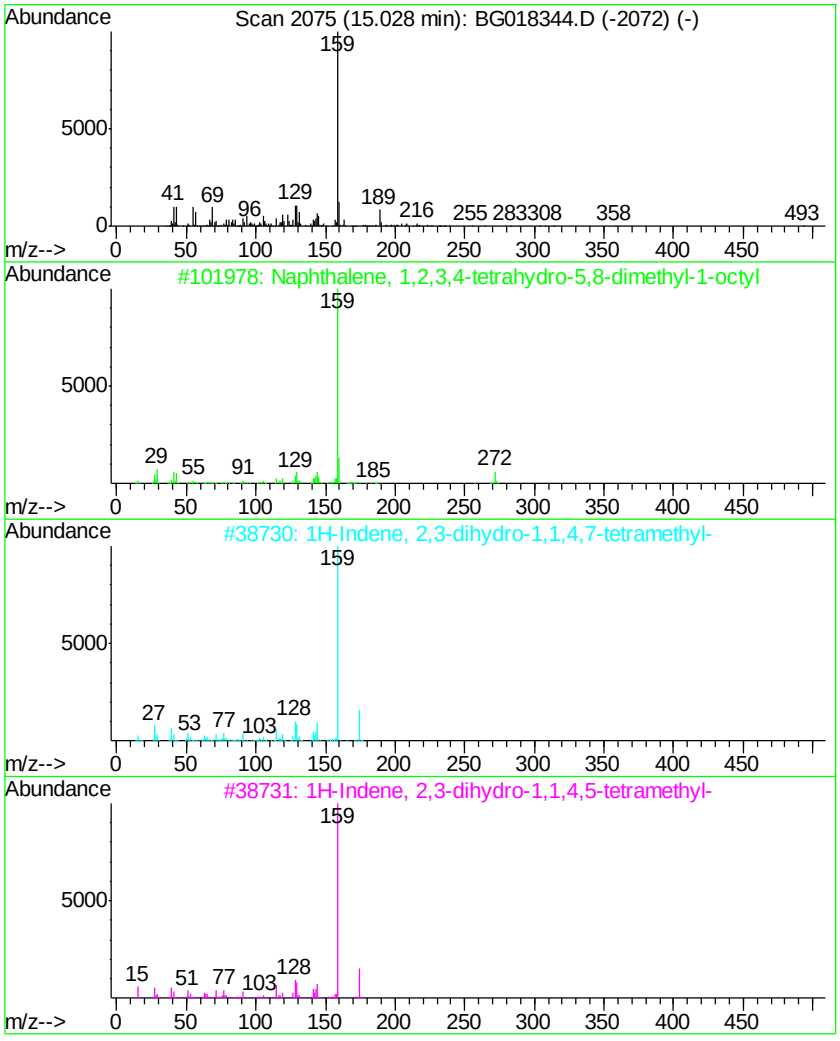
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

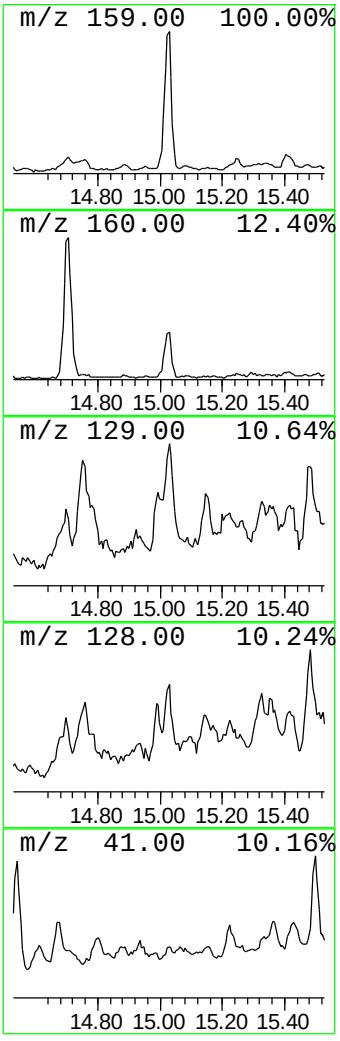
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	5.35 ng/ul	414540	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	272	C20H32	055255-58-8	72
2	1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	64
3	1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	64
4	4-Amino-1-naphthol	159	C10H9NO	002834-90-4	59
5	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

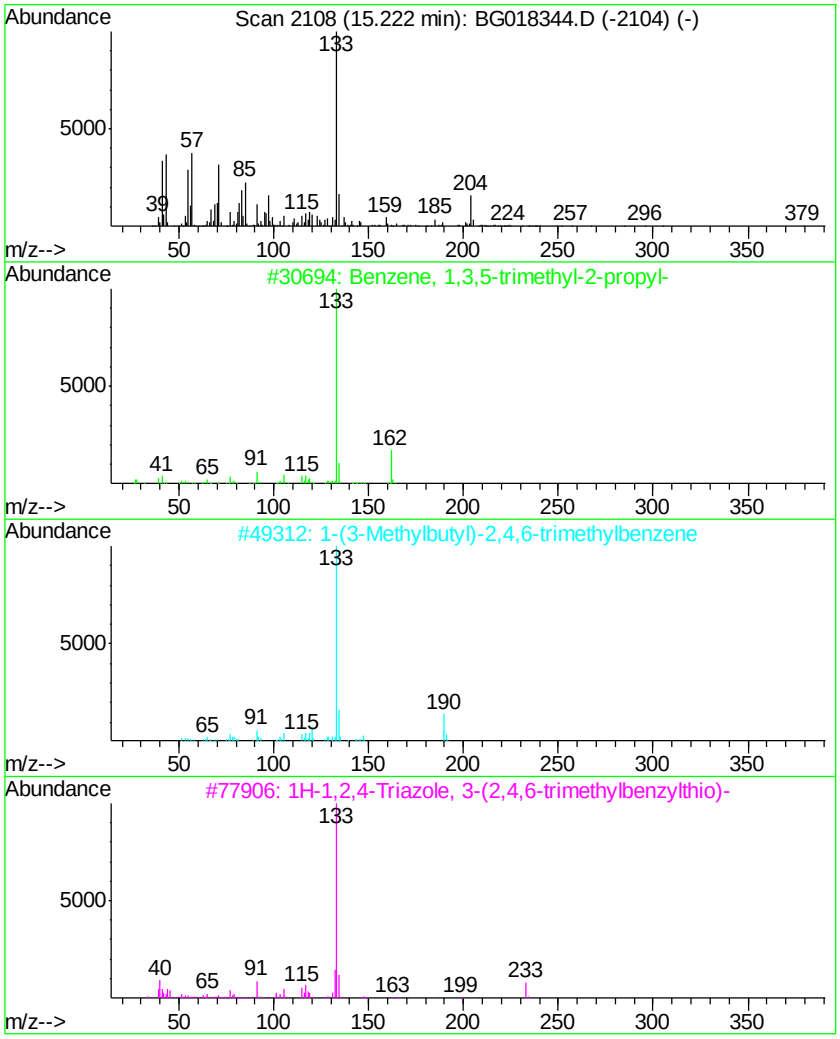
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

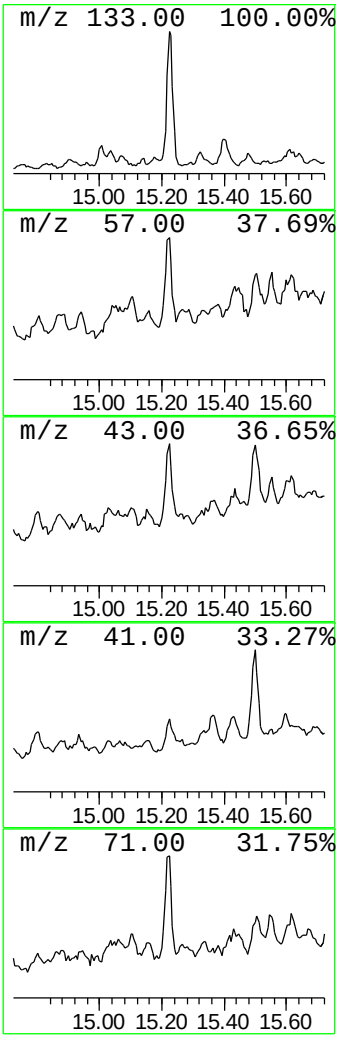
****

Peak Number 22 unknown-12 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	15.35 ng/ul	1189370	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-propyl-	162	C12H18	004810-04-2	38
2	1-(3-Methylbutyl)-2,4,6-trimethy...	190	C14H22	016204-65-2	38
3	1H-1,2,4-Triazole, 3-(2,4,6-trim...	233	C12H15N3S	309920-46-5	38
4	2-Bromomethyl-1,3,5-trimethylben...	212	C10H13Br	004761-00-6	38
5	1H-Benzimidazol-5-amine	133	C7H7N3	000934-22-5	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

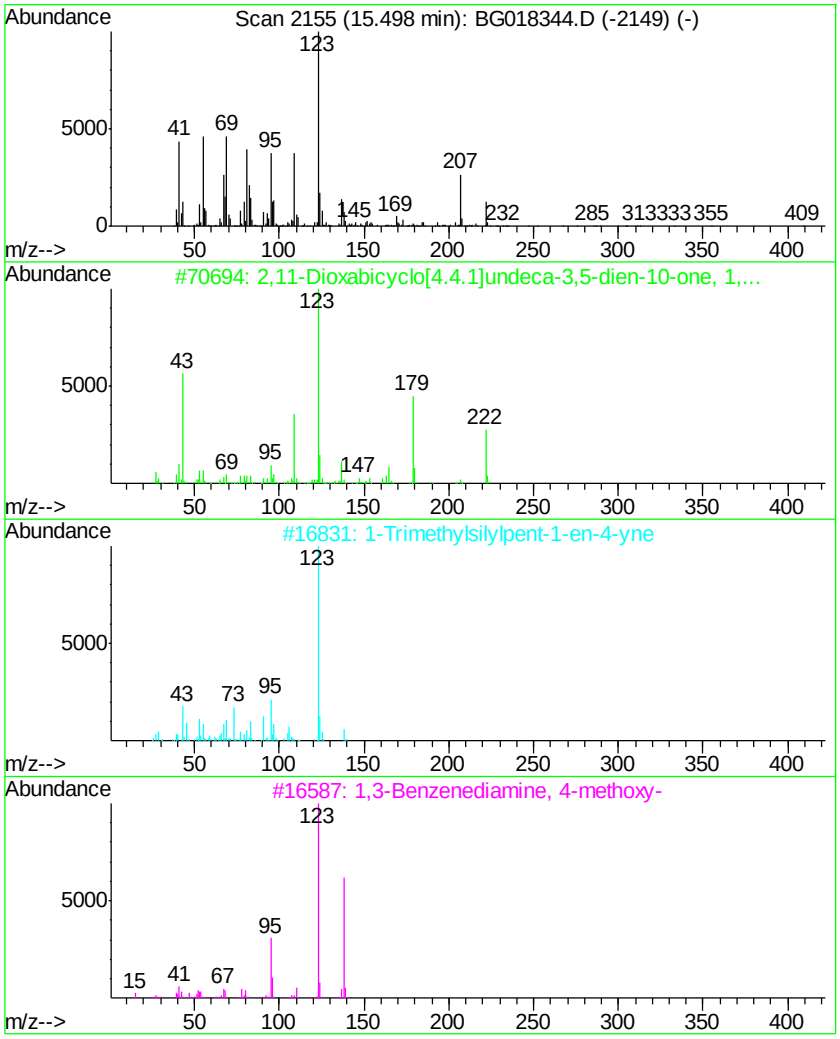
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

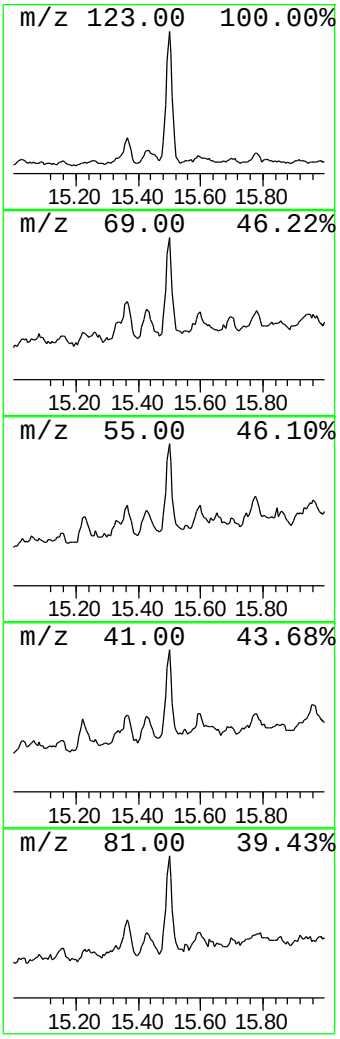
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 2,11-Dioxabicyclo[4.4.1]und... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	40.31 ng/ul	3122770	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,11-Dioxabicyclo[4.4.1]undeca-3...	222	C13H18O3	070412-52-1	59
2	1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	50
3	1,3-Benzenediamine, 4-methoxy-	138	C7H10N2O	000615-05-4	47
4	3-Fluorobenzoic acid, isopropyl ...	182	C10H11FO2	002711-76-4	47
5	4-Fluorobenzoic acid, 2-butyl ester	196	C11H13FO2	090172-12-6	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
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Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

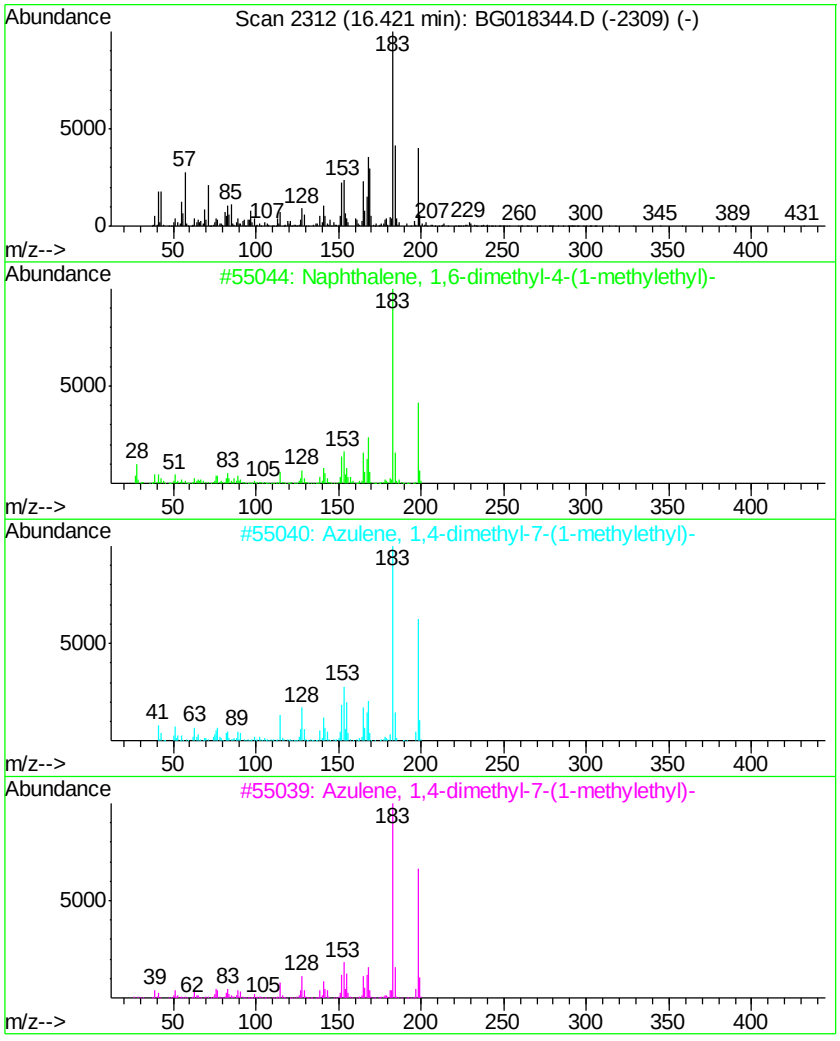
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

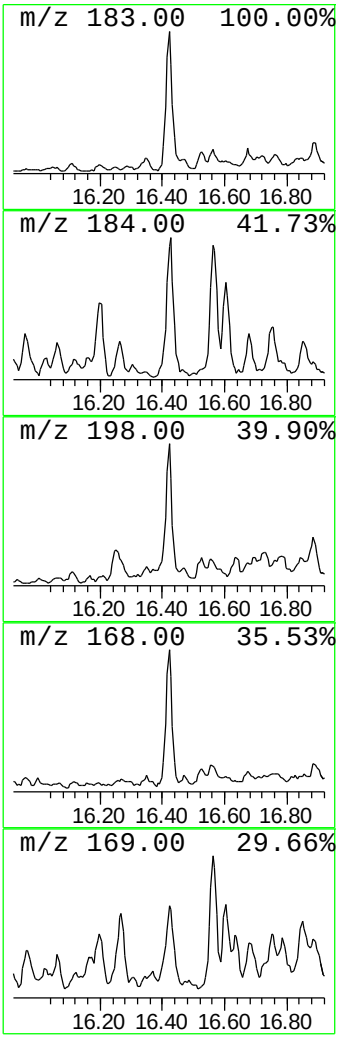
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Naphthalene, 1,6-dimethyl-4... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	20.00 ng/ul	1022260	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	90
2	Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	89
3	Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	76
4	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	76
5	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080915\
Data File : BG018344.D
Acq On : 10 Aug 2015 00:50
Operator : UM/TP
Sample : G3065-18RX
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L8RX

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.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...	7.56	3.8	ng/ul	144015	1	8.08	766424	20.0
(DEL) Alkane: Cyc...	8.37	2.0	ng/ul	76668	1	8.08	766424	20.0
Ethanone, 1-(1,3-...	9.08	3.6	ng/ul	137576	1	8.08	766424	20.0
(DEL) Alkane: Str...	9.31	6.5	ng/ul	248262	1	8.08	766424	20.0
(DEL) Alkane: Cyc...	9.43	3.5	ng/ul	132234	1	8.08	766424	20.0
unknown-01	9.56	2.2	ng/ul	136456	2	10.89	1224080	20.0
cis-Decalin, 2-sy...	10.07	3.1	ng/ul	192854	2	10.89	1224080	20.0
unknown-02	11.59	2.5	ng/ul	151898	2	10.89	1224080	20.0
unknown-03	11.80	2.1	ng/ul	128629	2	10.89	1224080	20.0
(DEL) Alkane: Str...	11.91	2.6	ng/ul	161943	2	10.89	1224080	20.0
unknown-04	11.99	3.4	ng/ul	209831	2	10.89	1224080	20.0
unknown-05	12.61	3.0	ng/ul	185035	2	10.89	1224080	20.0
unknown-06	13.07	2.8	ng/ul	217095	3	14.70	1549290	20.0
unknown-07	13.15	4.6	ng/ul	356085	3	14.70	1549290	20.0
unknown-08	13.32	6.0	ng/ul	466270	3	14.70	1549290	20.0
Decahydro-4,4,8,9...	13.49	12.0	ng/ul	930151	3	14.70	1549290	20.0
Benzene, 1-cycloh...	13.98	4.8	ng/ul	371377	3	14.70	1549290	20.0
unknown-09	14.54	38.8	ng/ul	3006860	3	14.70	1549290	20.0
unknown-10	14.61	10.8	ng/ul	839685	3	14.70	1549290	20.0
Naphthalene, 1,2,...	15.03	5.3	ng/ul	414540	3	14.70	1549290	20.0
unknown-12	15.22	15.4	ng/ul	1189370	3	14.70	1549290	20.0
2,11-Dioxabicyclo...	15.50	40.3	ng/ul	3122770	3	14.70	1549290	20.0
Naphthalene, 1,6-...	16.42	20.0	ng/ul	1022260	4	17.45	1022260	20.0