LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

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:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.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	2.346	41	44	53	rBV	15787	23088	1.45%	0.099%
2	3.493	235	239	250	rBV	9852	18512	1.16%	0.079%
3	3.646	257	265	270	rBV4	3504	7322	0.46%	0.031%
4	3.705	270	275	278	rVV	7848	11950	0.75%	0.051%
5	3.740	278	281	287	rVB	4415	6503	0.41%	0.028%
6	5.457	568	573	583	rBV2	5862	13396	0.84%	0.057%
7	6.381	726	730	734	rBV	425930	465740	29.25%	1.988%
8	6.422	734	737	746	rVV	465742	431253	27.08%	1.840%
9	6.510	749	752	762	rVV	636278	531860	33.40%	2.270%
10	6.740	787	791	799	rBV	848097	723620	45.44%	3.088%
11	6.810	799	803	808	rVV2	6359	9541	0.60%	0.041%
12	6.857	808	811	817	rVV	146979	117939	7.41%	0.503%
13	7.128	853	857	872	rBV	431301	439625	27.61%	1.876%
14	7.298	882	886	893	rBV	567120	461676	28.99%	1.970%
15	7.516	919	923	926	rVB	19985	18399	1.16%	0.079%
16	7.622	938	941	953	rBV	414514	384514	24.15%	1.641%
17	7.875	981	984	1005	rBV	629931	613102	38.50%	2.617%
18	8.022	1005	1009	1012	rVV	1249424	966368	60.68%	4.124%
19	8.087	1016	1020	1036	rVV	274870	273460	17.17%	1.167%
20	8.710	1123	1126	1130	rBV	10675	10651	0.67%	0.045%
21	8.981	1169	1172	1175	rBV	37873	29124	1.83%	0.124%
22	9.228	1210	1214	1217	rVV	25064	23848	1.50%	0.102%
23	9.440	1247	1250	1253	rBV2	8818	8056	0.51%	0.034%
24	9.475	1253	1256	1259	rVV	1046560	897188	56.34%	3.829%
25	9.498	1259	1260	1265	rVB	363992	220529	13.85%	0.941%
26	9.628	1279	1282	1286	rBV	1422480	1121674	70.44%	4.787%
27	9.710	1291	1296	1302	rVB2	65207	61271	3.85%	0.261%
28	9.787	1305	1309	1312	rVV	1395753	1221852	76.73%	5.214%
29	9.816	1312	1314	1316	rVV	30199	24366	1.53%	0.104%
30	9.845	1316	1319	1321	rVB3	12141	11187	0.70%	0.048%
31	9.875	1321	1324	1327	rVB	8737	7437	0.47%	0.032%
32	9.916	1327	1331	1338	rBV	106923	165100	10.37%	0.705%
33	9.975	1338	1341	1343	rVV	43551	46170	2.90%	0.197%
34	9.998	1343	1345	1352	rVB2	79812	70683	4.44%	0.302%

LSC Area Percent Report

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Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

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:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Title : SVOA CALIBRATION

35	10.192	1375	1378	1382	rBV3	6782	11518	0.72%	0.049%
36	10.304	1394	1397	1401	rBV	1539378	1341524	84.24%	5.725%
37	10.334	1401	1402	1406	rVB	14124	8045	0.51%	0.034%
38	10.387	1408	1411	1416	rBV	187563	191597	12.03%	0.818%
39	10.428	1416	1418	1424	rVB2	129144	110108	6.91%	0.470%
40	10.510	1428	1432	1435	rVV	1001225	762872	47.91%	3.256%
41	10.734	1468	1470	1473	rVB	8736	7988	0.50%	0.034%
42	10.775	1473	1477	1485	rBV6	3206	7415	0.47%	0.032%
43	11.022	1516	1519	1529	rVB	25306	28316	1.78%	0.121%
44	11.157	1540	1542	1550	rVB3	7810	10842	0.68%	0.046%
45	11.281	1560	1563	1566	rBV	1457834	1283130	80.58%	5.476%
46	11.304	1566	1567	1569	rVV	37985	26594	1.67%	0.113%
47	11.339	1569	1573	1580	rVV	1579169	1279705	80.36%	5.461%
48	11.522	1599	1604	1606	rBV2	5269	8371	0.53%	0.036%
49	11.792	1647	1650	1652	rBV2	9108	9328	0.59%	0.040%
50	11.828	1652	1656	1663	rVV5	32080	43624	2.74%	0.186%
51	11.904	1666	1669	1672	rVV	9537	8745	0.55%	0.037%
52	12.063	1693	1696	1698	rBV2	14241	11793	0.74%	0.050%
53	12.098	1700	1702	1705	rVV2	13108	15148	0.95%	0.065%
54	12.275	1729	1732	1735	rBV4	7198	7770	0.49%	0.033%
55	12.351	1742	1745	1747	rBV	6685	6858	0.43%	0.029%
56	12.392	1750	1752	1753	rVV2	7479	7143	0.45%	0.030%
57	12.416	1753	1756	1761	rVV	546654	491088	30.84%	2.096%
58	12.457	1761	1763	1767	rVV	64077	64369	4.04%	0.275%
59	12.492	1767	1769	1770	rVV	22979	18766	1.18%	0.080%
60	12.510	1770	1772	1778	rVV	86647	74898	4.70%	0.320%
61	12.651	1793	1796	1797	rBV	15727	13392	0.84%	0.057%
62	12.675	1797	1800	1804	rVV	267673	208149	13.07%	0.888%
63	12.728	1804	1809	1814	rVV	1573761	1592463	100.00%	6.796%
64	12.763	1814	1815	1819	rVB2	28240	20130	1.26%	0.086%
65	12.869	1828	1833	1836	rBV	4510	7397	0.46%	0.032%
66	12.916	1837	1841	1844	rBV	47180	39656	2.49%	0.169%
67	13.057	1860	1865	1867	rBV4	13075	16794	1.05%	0.072%
68	13.080	1867	1869	1872	rVB	12192	10024	0.63%	0.043%
69	13.151	1875	1881	1884	rBV4	21149	39907	2.51%	0.170%
70	13.275	1900	1902	1906	rVB3	13161	13641	0.86%	0.058%
71	13.328	1906	1911	1918	rVB4	23363	31644	1.99%	0.135%

LSC Area Percent Report

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Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

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:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Title : SVOA CALIBRATION

72	13.475	1933	1936	1941	rBV2	135844	122993	7.72%	0.525%
73	13.551	1946	1949	1953	rVV2	13620	19287	1.21%	0.082%
74	13.586	1953	1955	1962	rVB3	12804	19284	1.21%	0.082%
75	13.680	1969	1971	1974	rBV4	14458	15355	0.96%	0.066%
76	13.757	1982	1984	1986	rBV	8302	7271	0.46%	0.031%
77	13.828	1989	1996	2013	rBV4	99951	317269	19.92%	1.354%
78	13.957	2014	2018	2022	rBV	1466348	1326292	83.29%	5.660%
79	14.069	2032	2037	2039	rBV3	6898	10033	0.63%	0.043%
80	14.127	2043	2047	2054	rBV2	76335	90958	5.71%	0.388%
81	14.216	2060	2062	2064	rBV	18612	15185	0.95%	0.065%
82	14.245	2064	2067	2073	rVB	139588	135634	8.52%	0.579%
83	14.357	2084	2086	2090	rVB	8862	7172	0.45%	0.031%
84	14.439	2097	2100	2105	rBV	55609	59552	3.74%	0.254%
85	14.486	2105	2108	2109	rBV2	10901	12509	0.79%	0.053%
86	14.527	2113	2115	2119	rVB4	18006	18076	1.14%	0.077%
87	14.751	2149	2153	2159	rVB	58986	57994	3.64%	0.247%
88	14.822	2162	2165	2168	rBV	15325	14596	0.92%	0.062%
89	14.957	2185	2188	2192	rVB	18442	19169	1.20%	0.082%
90	15.010	2193	2197	2200	rBV	41891	60838	3.82%	0.260%
91	15.086	2206	2210	2219	rBV	118659	139023	8.73%	0.593%
92	15.310	2244	2248	2249	rBV	23457	25140	1.58%	0.107%
93	15.345	2249	2254	2262	rVV	1140138	1396081	87.67%	5.958%
94	15.433	2262	2269	2273	rVV	1076336	1299268	81.59%	5.545%
95	15.469	2273	2275	2285	rVB2	78714	97120	6.10%	0.414%
96	15.904	2344	2349	2356	rBV	121192	186357	11.70%	0.795%
97	16.404	2430	2434	2449	rVB2	34840	76124	4.78%	0.325%
98	16.904	2515	2519	2526	rVB4	16877	32712	2.05%	0.140%
99	16.998	2531	2535	2544	rVB2	22803	48977	3.08%	0.209%
100	18.927	2854	2863	2870	rBV2	196558	534004	33.53%	2.279%

Sum of corrected areas: 23432029

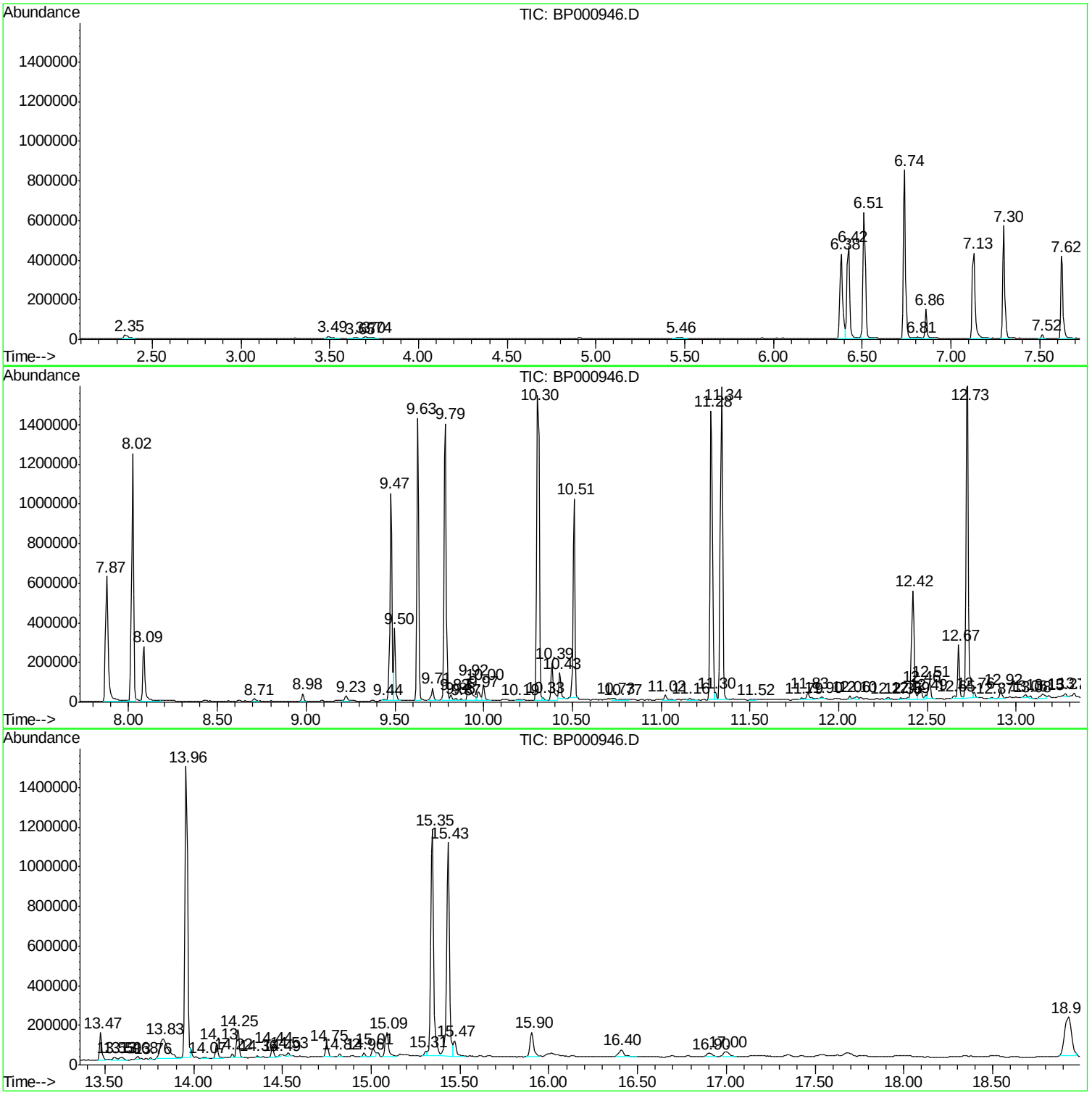
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

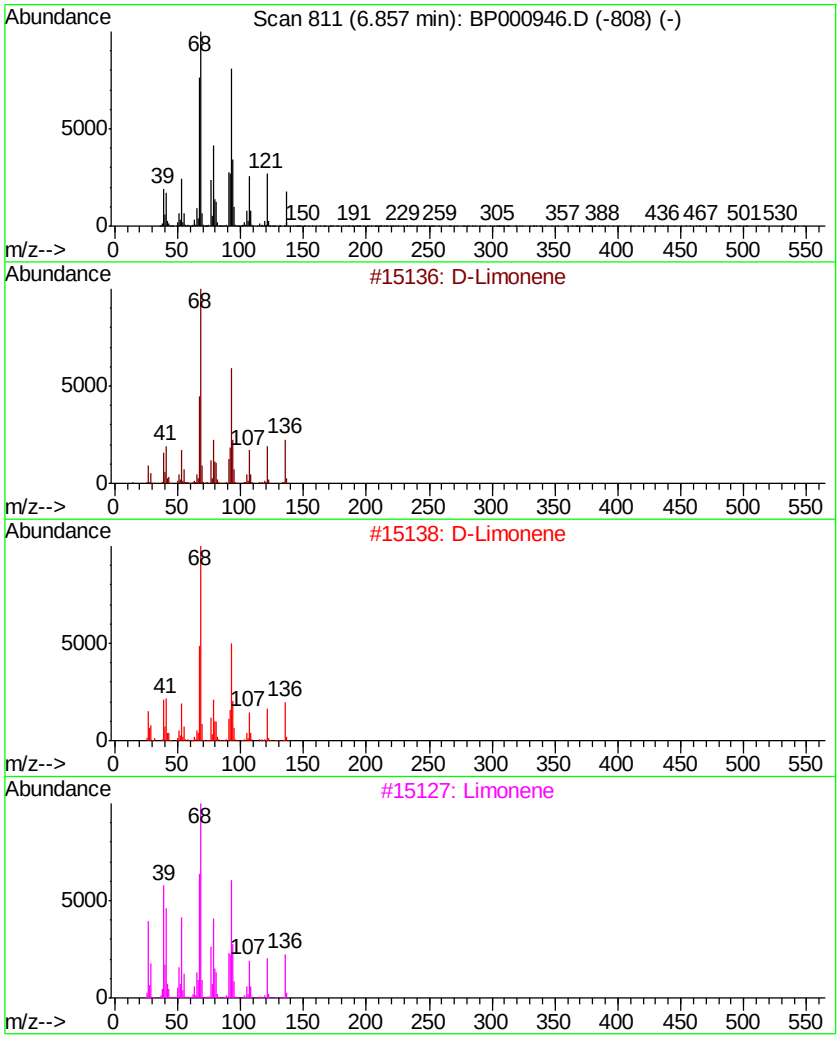
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

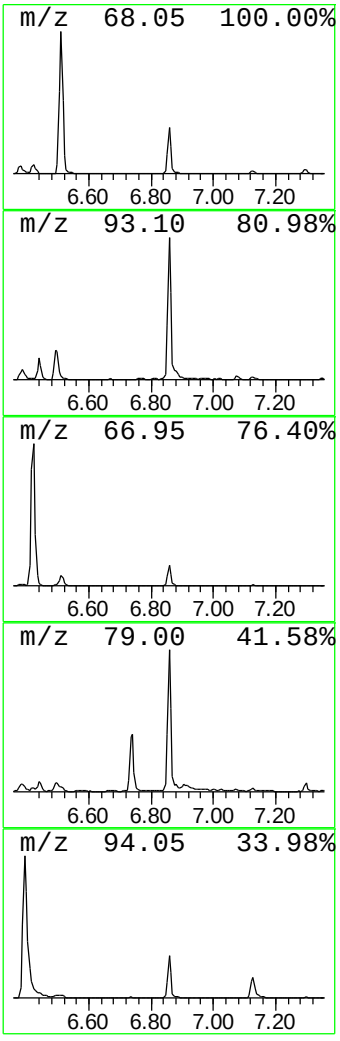
****

Peak Number 1 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.26 ng/ul	117939	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	94
2	D-Limonene	136	C10H16	005989-27-5	93
3	Limonene	136	C10H16	000138-86-3	91
4	Limonene	136	C10H16	000138-86-3	90
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

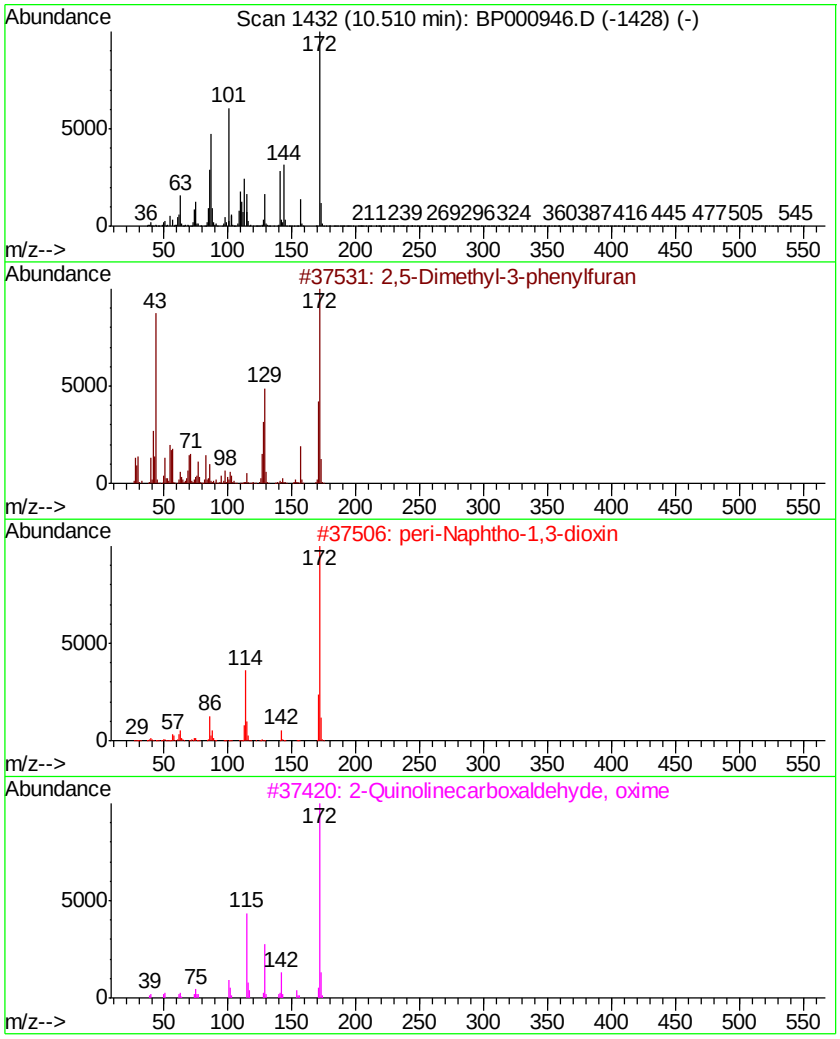
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

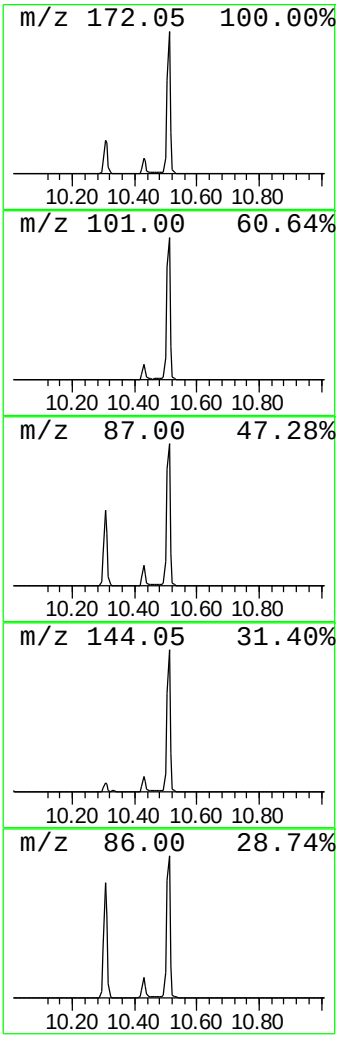
****

Peak Number 2 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	12.49 ng/ul	762872	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethyl-3-phenylfuran	172	C12H12O	019842-57-0	27
2	peri-Naphtho-1,3-dioxin	172	C11H8O2	000204-11-5	27
3	2-Quinolinecarboxaldehyde, oxime	172	C10H8N2O	001131-68-6	22
4	Tetroquinone	172	C6H4O6	000319-89-1	16
5	Pyrazine, 2-hydroxy-5-phenyl-	172	C10H8N2O	025844-72-8	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

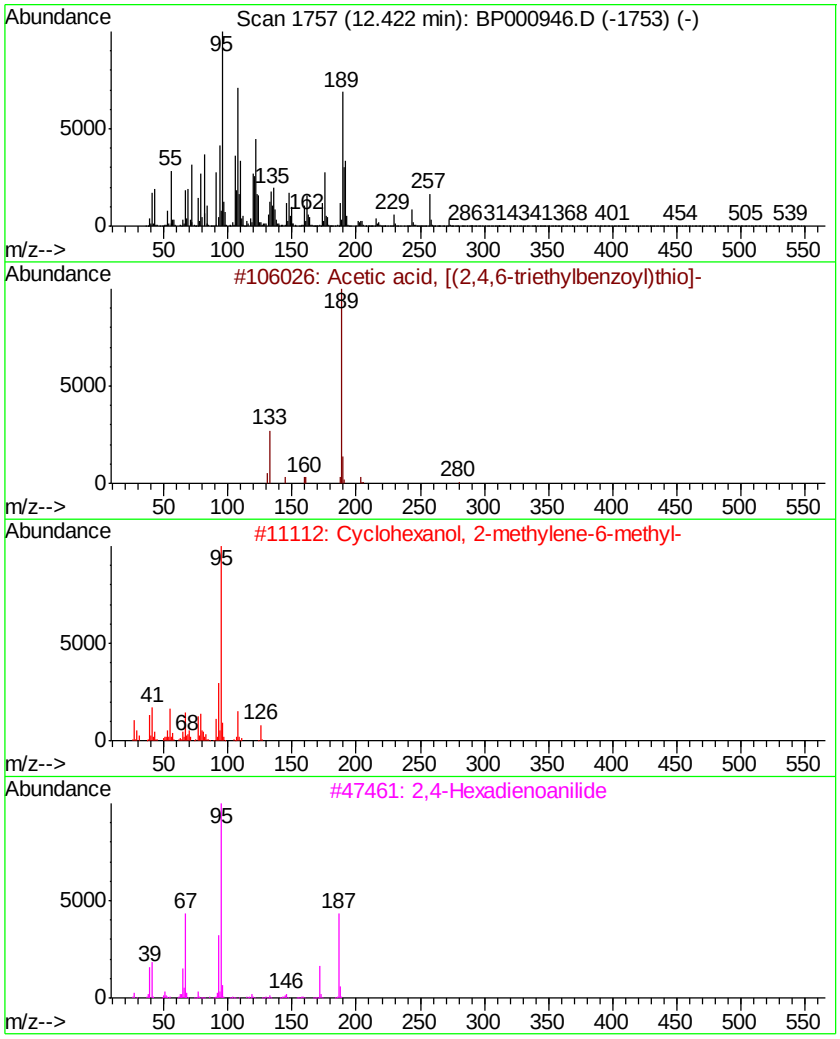
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

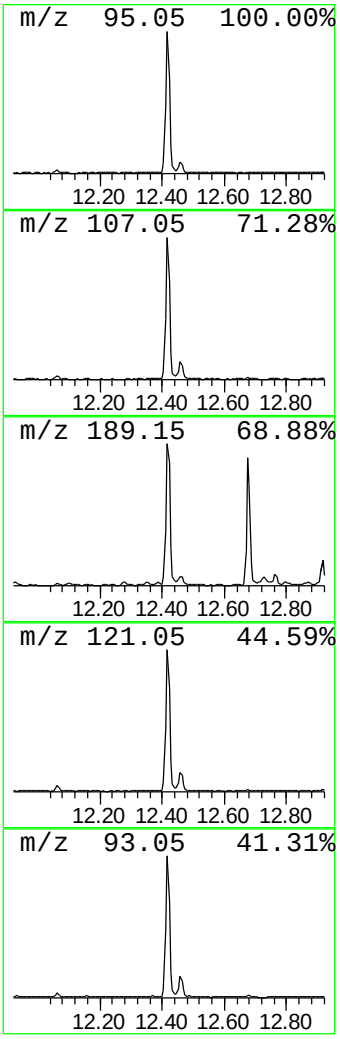
****

Peak Number 3 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.65 ng/ul	491088	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, [(2,4,6-triethylben...	280	C15H20O3S	067902-78-7	35
2	Cyclohexanol, 2-methylene-6-methyl-	126	C8H14O	1000196-32-3	27
3	2,4-Hexadienoanilide	187	C12H13NO	001483-88-1	22
4	Toluene, 4-chloro-2-fluoro-5-nitro-	189	C7H5ClFNO2	018349-11-6	22
5	Santolina epoxide	152	C10H16O	060485-45-2	22





Library Search Compound Report

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Acq On : 22 Oct 2019 16:47
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

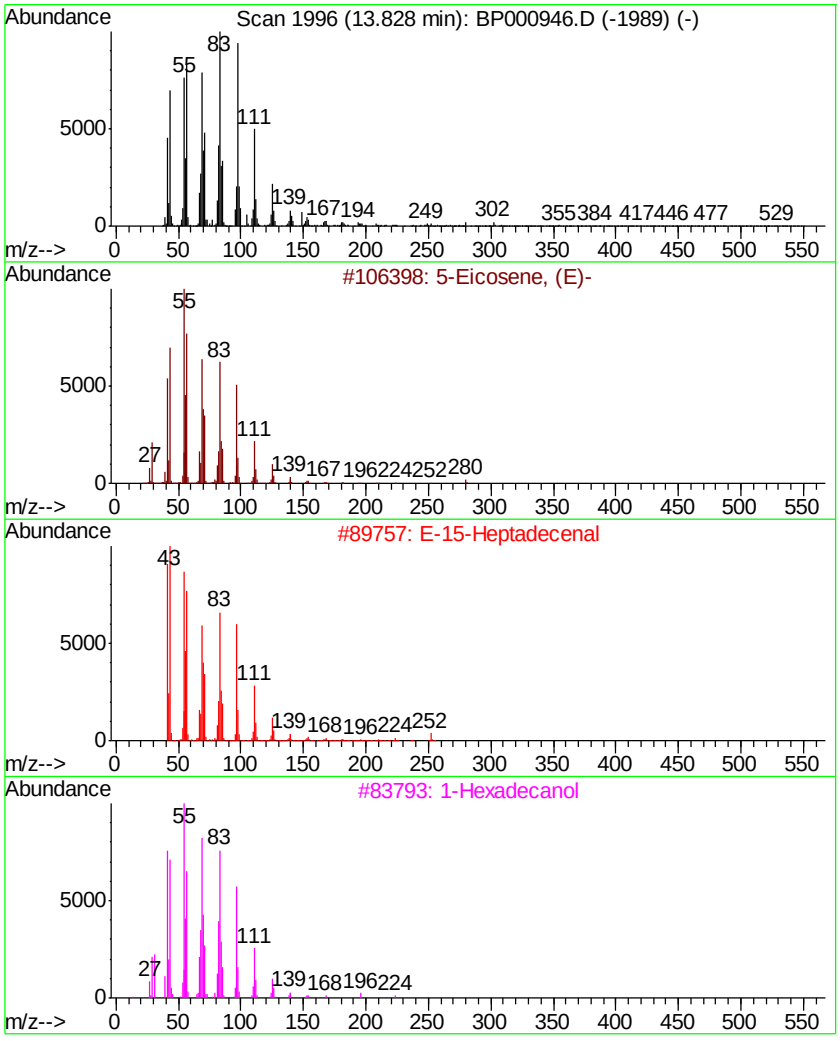
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

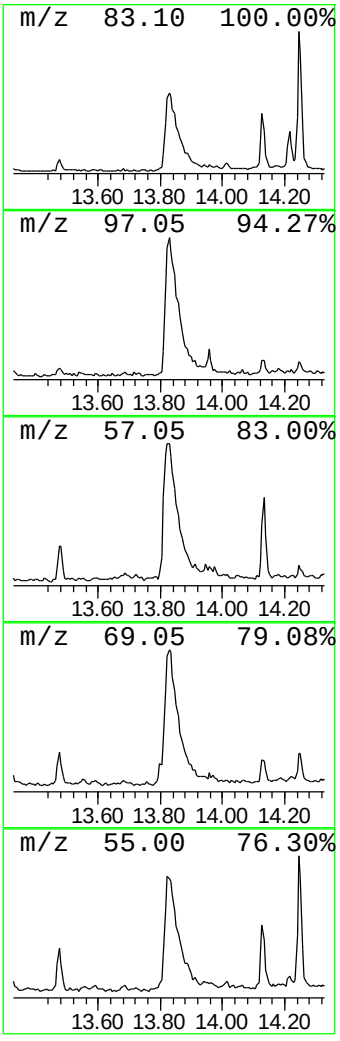
****

Peak Number 4 (DEL) Alkane: Cyclic13.83 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	4.78 ng/ul	317269	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	E-15-Heptadecenal	252	C17H32O	1000130-97-9	93
3	1-Hexadecanol	242	C16H34O	036653-82-4	91
4	Cyclohexadecane	224	C16H32	000295-65-8	91
5	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91





Library Search Compound Report

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Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

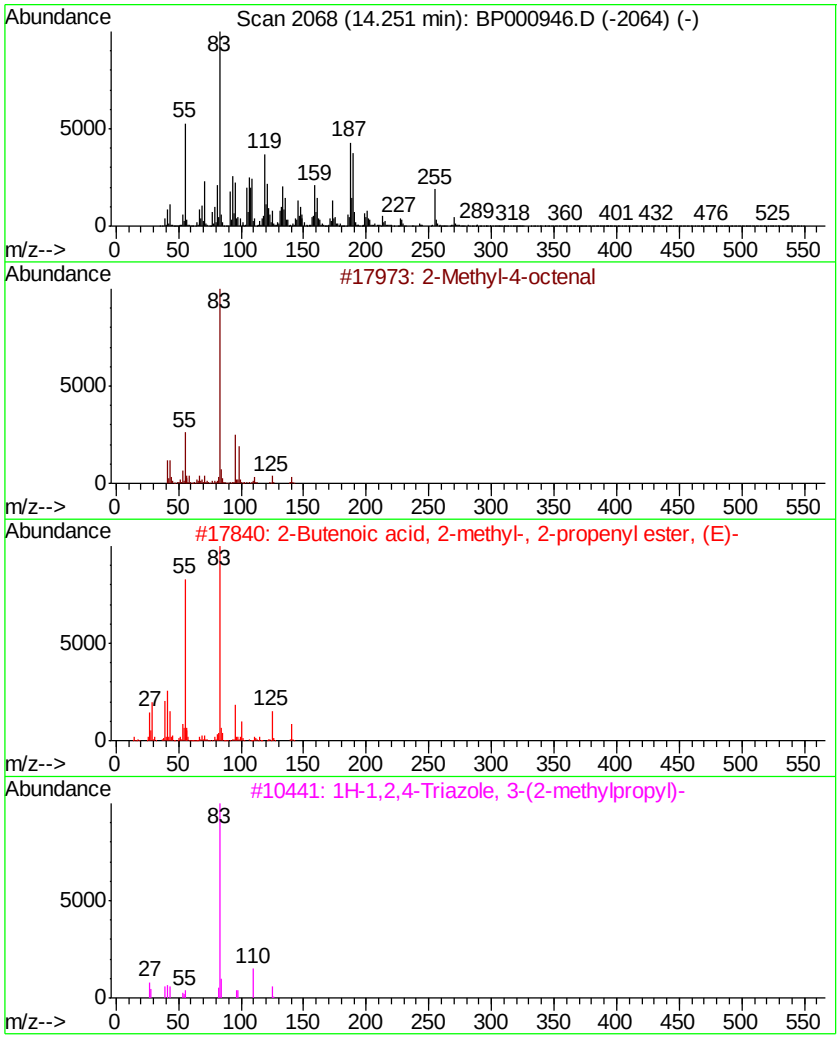
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

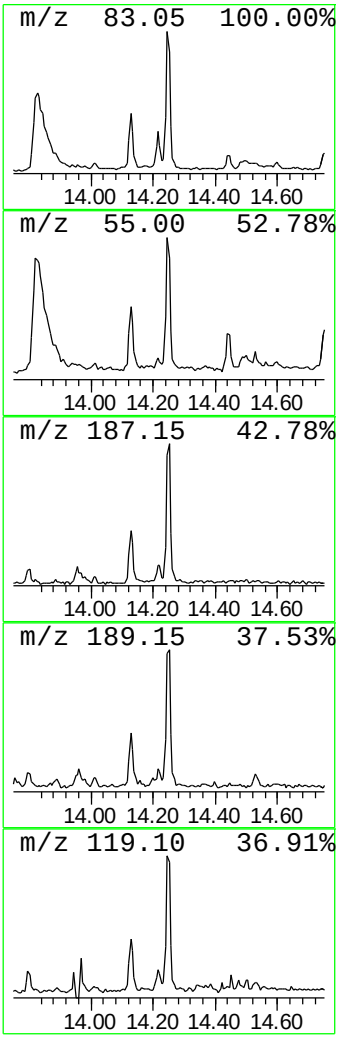
****

Peak Number 5 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	2.05 ng/ul	135634	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-octenal	140	C9H16O	030390-58-0	35
2	2-Butenoic acid, 2-methyl-, 2-pr...	140	C8H12O2	007493-71-2	27
3	1H-1,2,4-Triazole, 3-(2-methylpr...	125	C6H11N3	040515-29-5	25
4	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	25
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

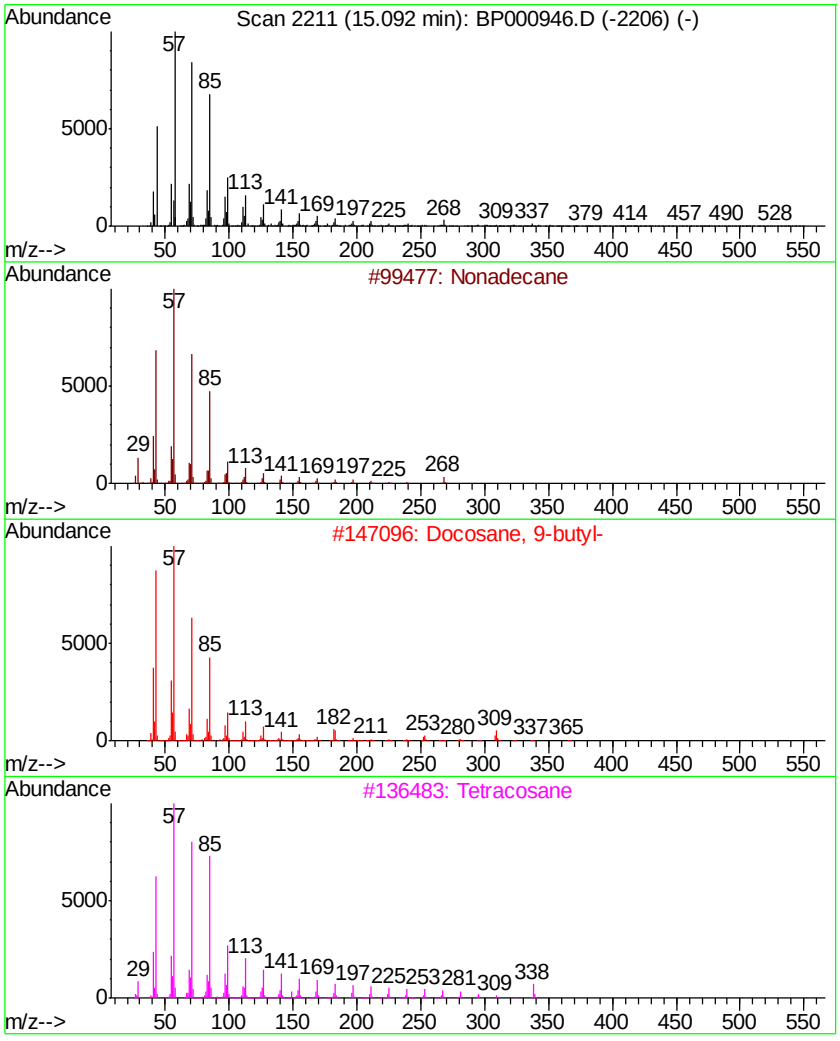
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

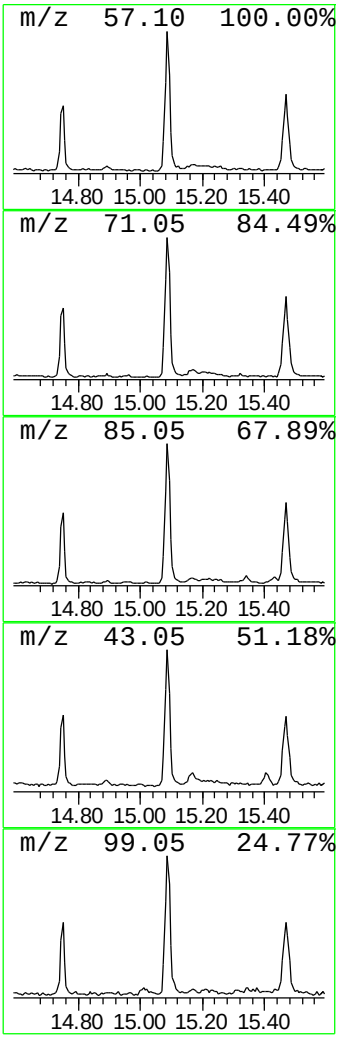
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.14 ng/ul	139023	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Docosane, 9-butyl-	366	C26H54	055282-14-9	95
3	Tetracosane	338	C24H50	000646-31-1	94
4	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	94
5	Docosane, 9-butyl-	366	C26H54	055282-14-9	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

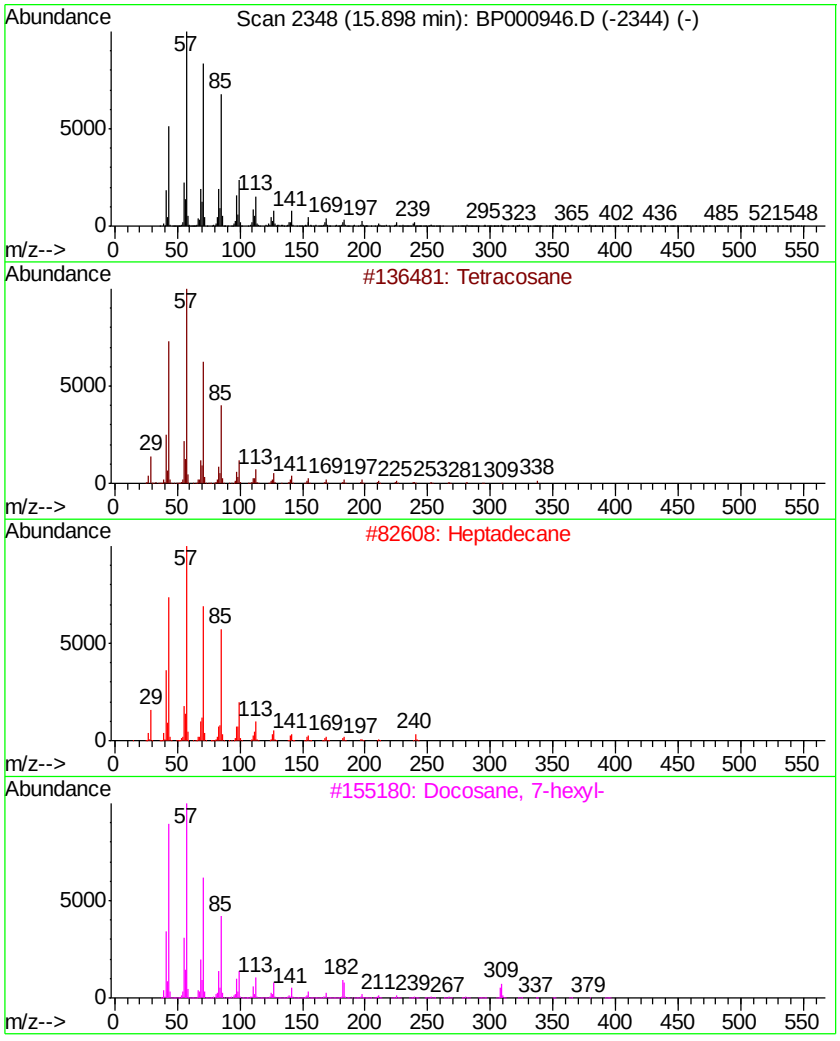
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

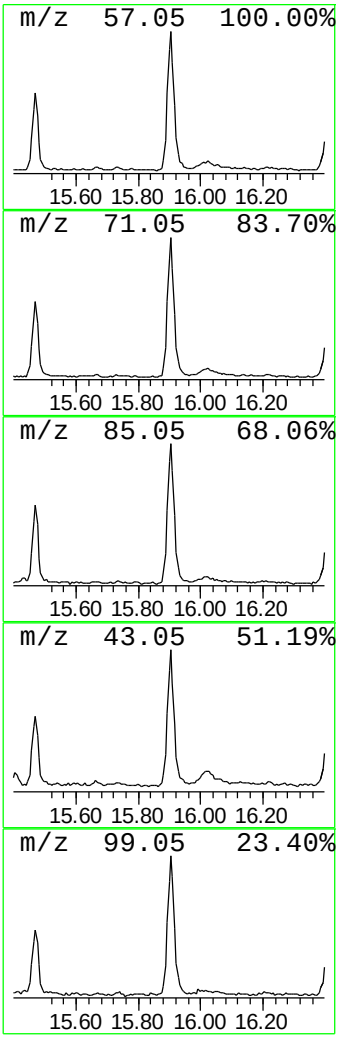
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.87 ng/ul	186357	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Heptadecane	240	C17H36	000629-78-7	94
3	Docosane, 7-hexyl-	394	C28H58	055373-86-9	93
4	Tetratriacontane	479	C34H70	014167-59-0	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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

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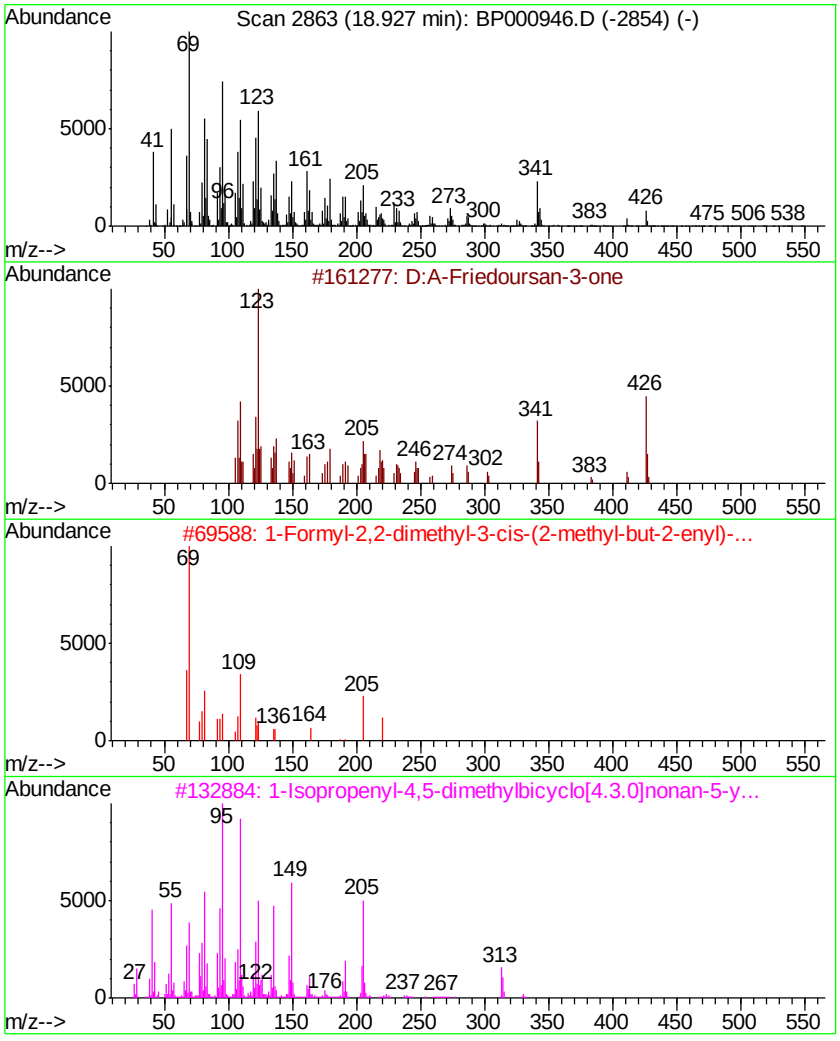
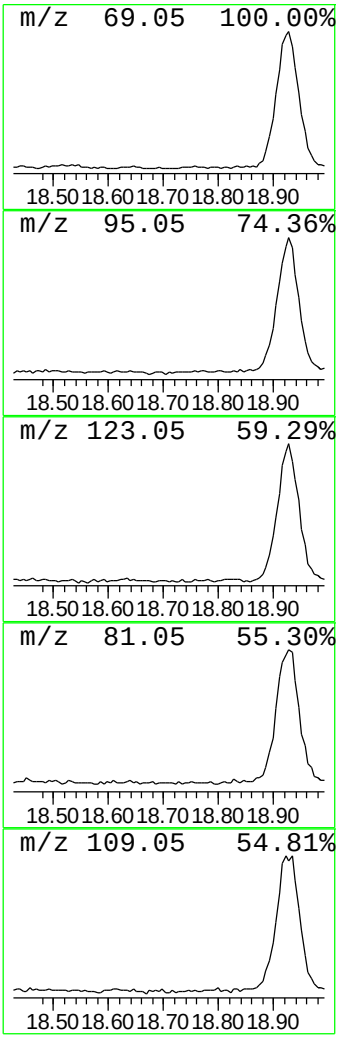
Peak Number 8 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	8.22 ng/ul	534004	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D:A-Friedoursan-3-one	426	C30H50O	089950-00-5	38
2	1-Formyl-2,2-dimethyl-3-cis-(2-m...	220	C15H24O	1000144-10-0	27
3	1-Isopropenyl-4,5-dimethylbicycl...	330	C21H30OS	1000195-85-4	14
4	p-Menthon-8-thiol	186	C10H18OS	033281-91-3	12
5	(2-Nonyloxy-benzyl)-phenyl-amine	325	C22H31NO	1000278-14-7	12





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP102219\
Data File : BP000946.D
Acq On : 22 Oct 2019 16:47
Operator : JU
Sample : K5235-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPB0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.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
D-Limonene	6.86	3.3	ng/ul	117939	1	6.74	723620	20.0
unknown-01	10.51	12.5	ng/ul	762872	3	9.79	1221850	20.0
unknown-02	12.42	7.7	ng/ul	491088	4	11.28	1283130	20.0
(DEL) Alkane: Cyc...	13.83	4.8	ng/ul	317269	5	13.96	1326290	20.0
unknown-03	14.25	2.0	ng/ul	135634	5	13.96	1326290	20.0
(DEL) Alkane: Str...	15.09	2.1	ng/ul	139023	6	15.43	1299270	20.0
(DEL) Alkane: Str...	15.90	2.9	ng/ul	186357	6	15.43	1299270	20.0
unknown-04	18.93	8.2	ng/ul	534004	6	15.43	1299270	20.0