LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	8	13	rVB	111945	142237	4.42%	0.426%
2	2.993	147	154	161	rVB2	18869	46277	1.44%	0.139%
3	3.887	298	306	315	rVB3	57716	116245	3.62%	0.348%
4	4.028	323	330	336	rVB	65583	106393	3.31%	0.319%
5	4.169	345	354	358	rBV3	28378	48023	1.49%	0.144%
6	4.487	403	408	415	rVB3	71174	117060	3.64%	0.351%
7	4.598	420	427	432	rBV3	42767	66813	2.08%	0.200%
8	4.981	489	492	501	rVB2	65490	96716	3.01%	0.290%
9	5.057	501	505	513	rBV	100553	153172	4.76%	0.459%
10	5.251	533	538	540	rBV	40223	43109	1.34%	0.129%
11	5.281	540	543	547	rVB4	22580	36797	1.14%	0.110%
12	5.334	547	552	554	rBV2	84002	90179	2.80%	0.270%
13	5.357	554	556	559	rVB	97925	79615	2.48%	0.238%
14	5.434	566	569	572	rVB	111245	98815	3.07%	0.296%
15	5.469	572	575	584	rBV	2234280	2328585	72.42%	6.975%
16	5.610	595	599	604	rVB3	26943	38926	1.21%	0.117%
17	5.745	619	622	628	rVB	117905	112072	3.49%	0.336%
18	5.981	656	662	668	rBV3	42363	72660	2.26%	0.218%
19	6.081	674	679	682	rBV2	59180	63830	1.99%	0.191%
20	6.269	706	711	713	rBV2	52837	62409	1.94%	0.187%
21	6.292	713	715	717	rVV	86744	71491	2.22%	0.214%
22	6.328	719	721	723	rVV	67829	59806	1.86%	0.179%
23	6.357	723	726	729	rVV2	287393	249771	7.77%	0.748%
24	6.386	729	731	734	rVV	123639	99897	3.11%	0.299%
25	6.434	734	739	743	rVB2	135585	172938	5.38%	0.518%
26	6.481	743	747	760	rBV	2507958	2609276	81.15%	7.816%
27	6.610	765	769	774	rVV	3057252	2676239	83.23%	8.016%
28	6.657	774	777	784	rVB2	301554	314858	9.79%	0.943%
29	6.769	790	796	798	rBV4	30869	44447	1.38%	0.133%
30	6.833	803	807	814	rVV	777763	797895	24.82%	2.390%
31	6.886	814	816	823	rVB2	44349	49596	1.54%	0.149%
32	6.986	829	833	840	rBV	2258257	2012431	62.59%	6.028%
33	7.081	846	849	851	rBV	61100	58699	1.83%	0.176%
34	7.104	851	853	856	rVV	205473	165940	5.16%	0.497%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.151	856	861	868	rVB	295271	361156	11.23%	1.082%
36	7.222	868	873	877	rBV2	80610	96190	2.99%	0.288%
37	7.292	882	885	887	rBV	105482	92516	2.88%	0.277%
38	7.316	887	889	893	rVB	110861	87653	2.73%	0.263%
39	7.363	893	897	899	rBV	216707	201029	6.25%	0.602%
40	7.392	899	902	906	rBV	1514321	1455722	45.27%	4.360%
41	7.475	912	916	919	rVB2	46382	54526	1.70%	0.163%
42	7.516	919	923	925	rBV2	55474	61442	1.91%	0.184%
43	7.598	931	937	939	rBV2	105056	127542	3.97%	0.382%
44	7.628	939	942	946	rVB	142360	129828	4.04%	0.389%
45	7.716	953	957	958	rBV2	49058	46721	1.45%	0.140%
46	7.763	962	965	967	rVV2	71717	87936	2.73%	0.263%
47	7.786	967	969	973	rVV3	108104	126098	3.92%	0.378%
48	7.828	973	976	978	rVV2	77354	91659	2.85%	0.275%
49	7.851	978	980	983	rVV3	162269	182111	5.66%	0.545%
50	7.880	983	985	987	rVV	82392	74548	2.32%	0.223%
51	7.928	987	993	995	rVV4	55506	97885	3.04%	0.293%
52	7.980	999	1002	1005	rVB	53371	43483	1.35%	0.130%
53	8.110	1010	1024	1030	rBV	968062	1336048	41.55%	4.002%
54	8.157	1030	1032	1036	rVB2	81229	83792	2.61%	0.251%
55	8.498	1086	1090	1093	rBV2	54184	62217	1.93%	0.186%
56	8.616	1106	1110	1116	rBV4	30409	38205	1.19%	0.114%
57	8.704	1121	1125	1128	rBV3	43672	49969	1.55%	0.150%
58	8.827	1143	1146	1150	rVB	95402	83050	2.58%	0.249%
59	8.927	1158	1163	1166	rBV	35673	38752	1.21%	0.116%
60	9.186	1202	1207	1218	rBV	3341867	3025125	94.08%	9.061%
61	9.580	1270	1274	1282	rVB	226861	220491	6.86%	0.660%
62	9.869	1318	1323	1333	rBV	1228840	1151193	35.80%	3.448%
63	10.663	1454	1458	1471	rBV	2146345	2068451	64.33%	6.196%
64	11.357	1572	1576	1591	rBV	1345916	1236596	38.46%	3.704%
65	11.880	1661	1665	1675	rBV2	242531	294744	9.17%	0.883%
66	12.663	1795	1798	1805	rBV	50492	63509	1.98%	0.190%
67	12.939	1840	1845	1848	rBV	3774463	3215373	100.00%	9.631%
68	13.498	1936	1940	1943	rBV2	53643	59001	1.83%	0.177%
69	13.827	1992	1996	2007	rVB2	319654	420925	13.09%	1.261%
70	14.004	2022	2026	2034	rBV	1093918	1163677	36.19%	3.486%
71	14.145	2046	2050	2057	rVB	111014	103223	3.21%	0.309%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.451	2098	2102	2111	rBV	122862	140355	4.37%	0.420%
73	14.751	2149	2153	2158	rVV	143406	132236	4.11%	0.396%
74	14.827	2162	2166	2169	rVB	128434	125698	3.91%	0.377%
75	15.080	2205	2209	2215	rVB	125763	150150	4.67%	0.450%
76	15.474	2269	2276	2288	rBV	645448	1085229	33.75%	3.251%
77	15.886	2341	2346	2352	rBV	124864	184499	5.74%	0.553%
78	16.380	2425	2430	2440	rBV3	71031	131048	4.08%	0.393%

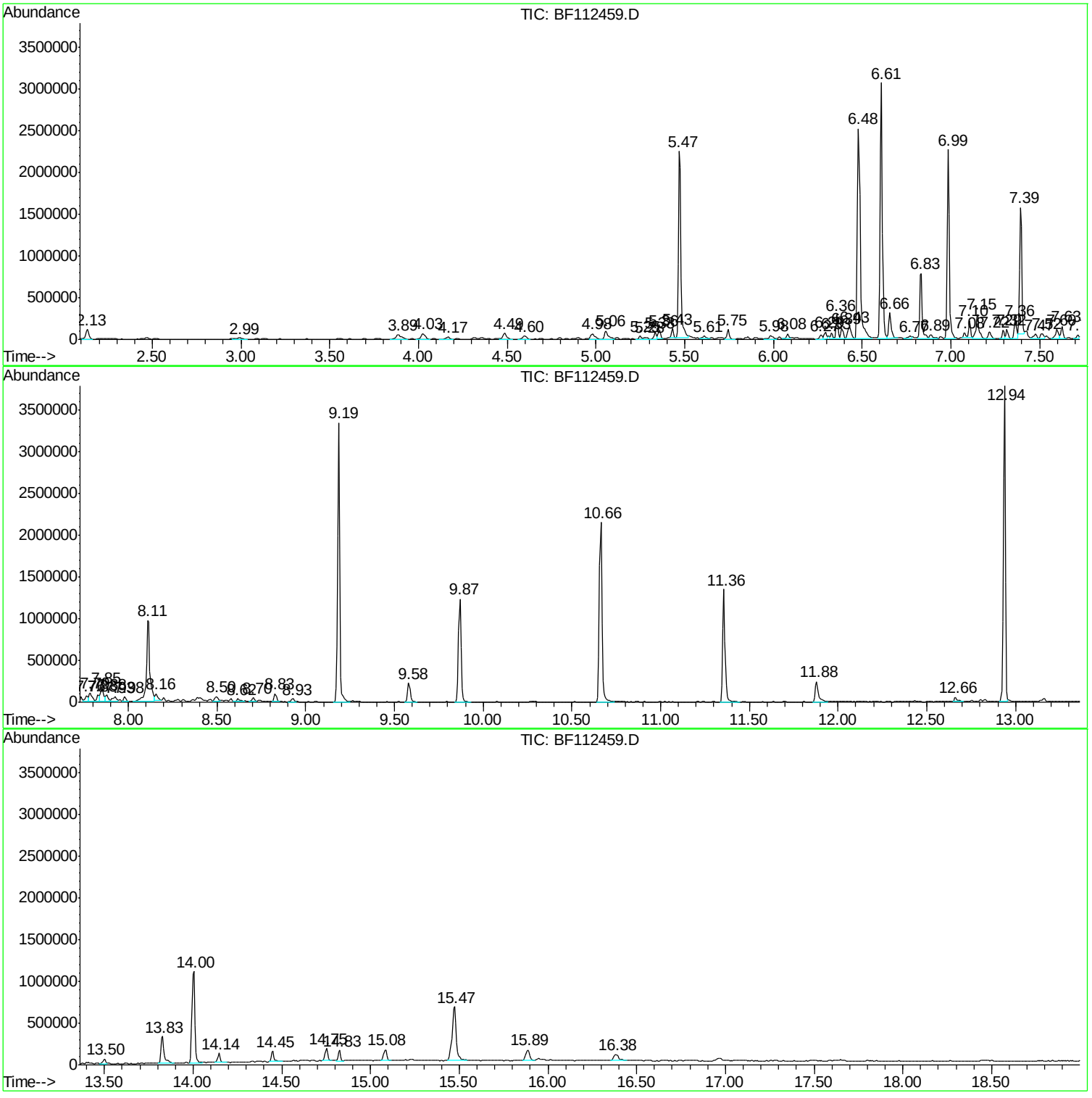
Sum of corrected areas: 33384818

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

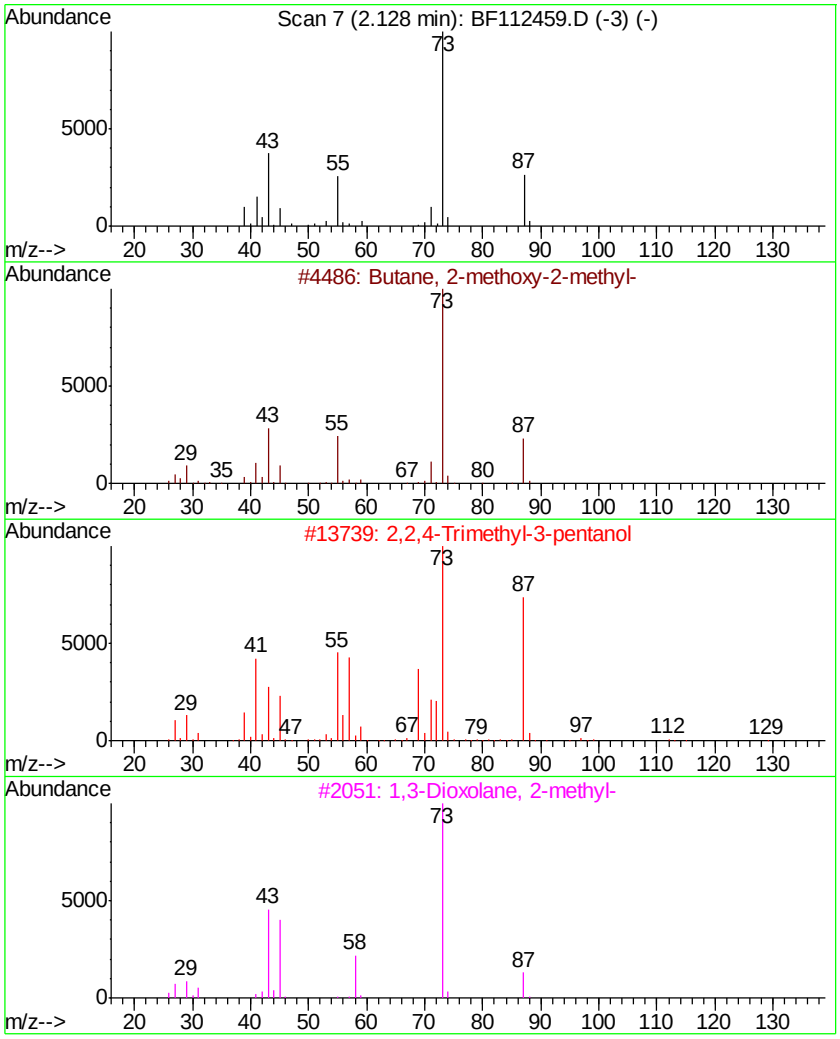
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

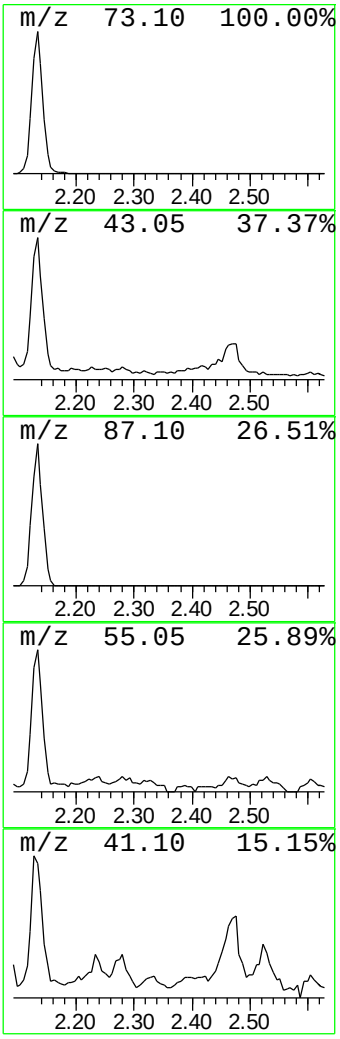
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	3.57 ng	142237	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	25
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

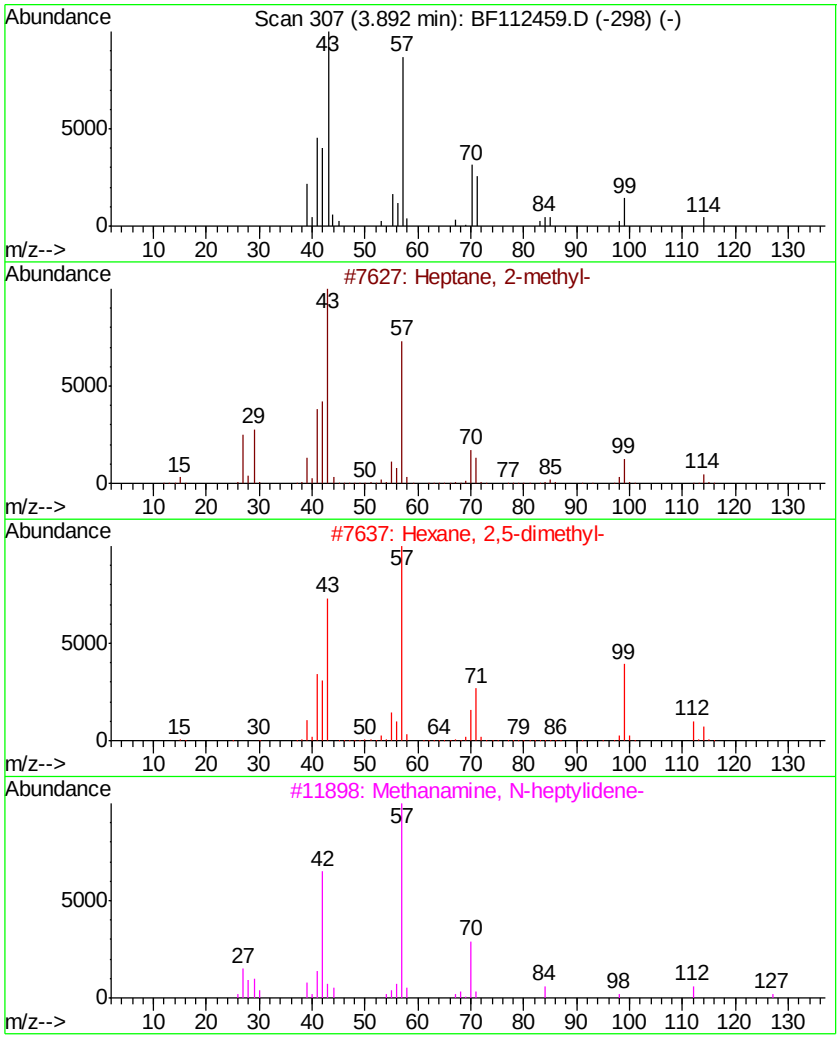
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

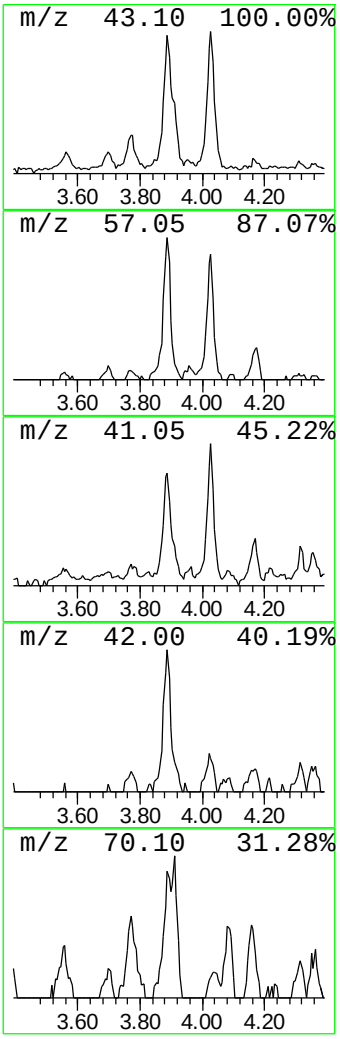
****

Peak Number 2 Heptane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	2.91 ng	116245	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	83
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
3	Methanamine, N-heptylidene-	127	C8H17N	006898-71-1	47
4	Butane, 1-chloro-3-methyl-	106	C5H11Cl	000107-84-6	38
5	Butane, 1-(ethenyloxy)-3-methyl-	114	C7H14O	039782-38-2	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

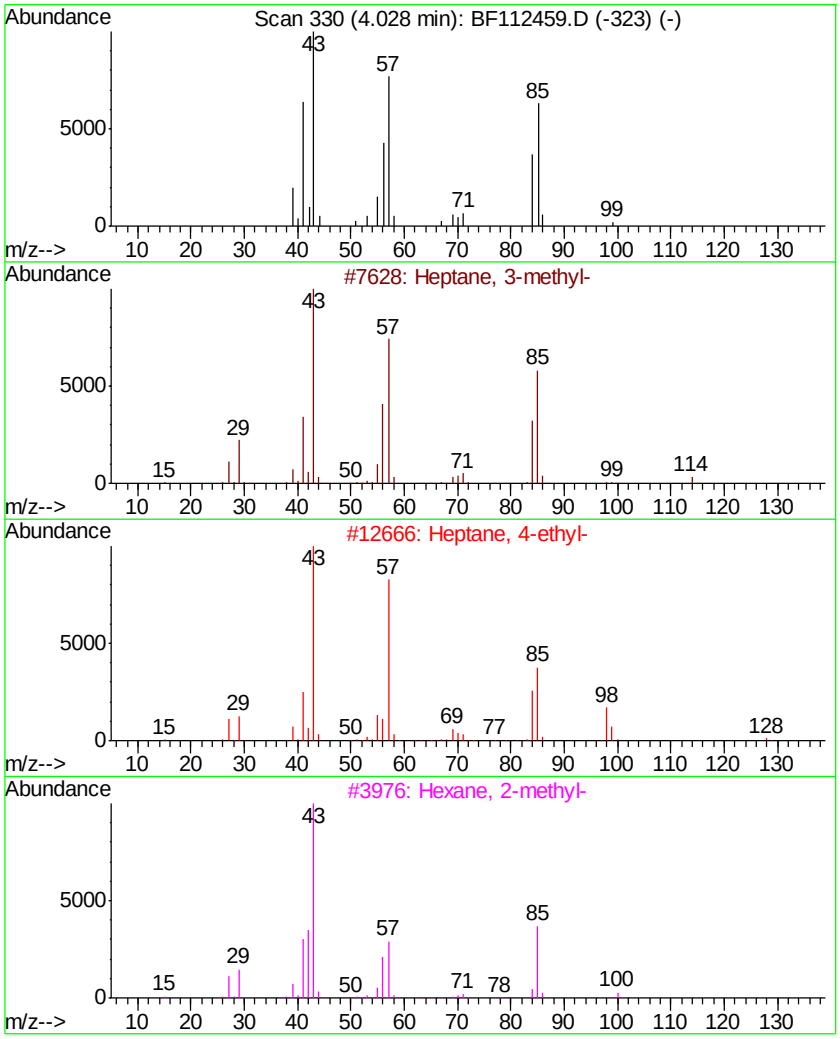
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

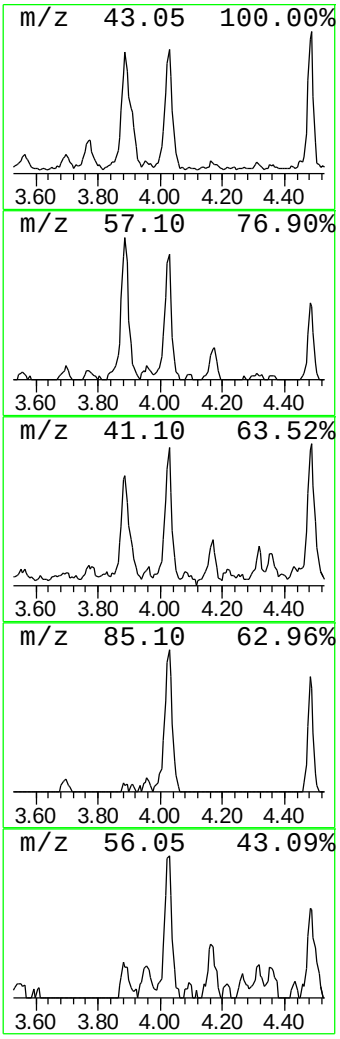
****

Peak Number 3 Heptane, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	2.67 ng	106393	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	64
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

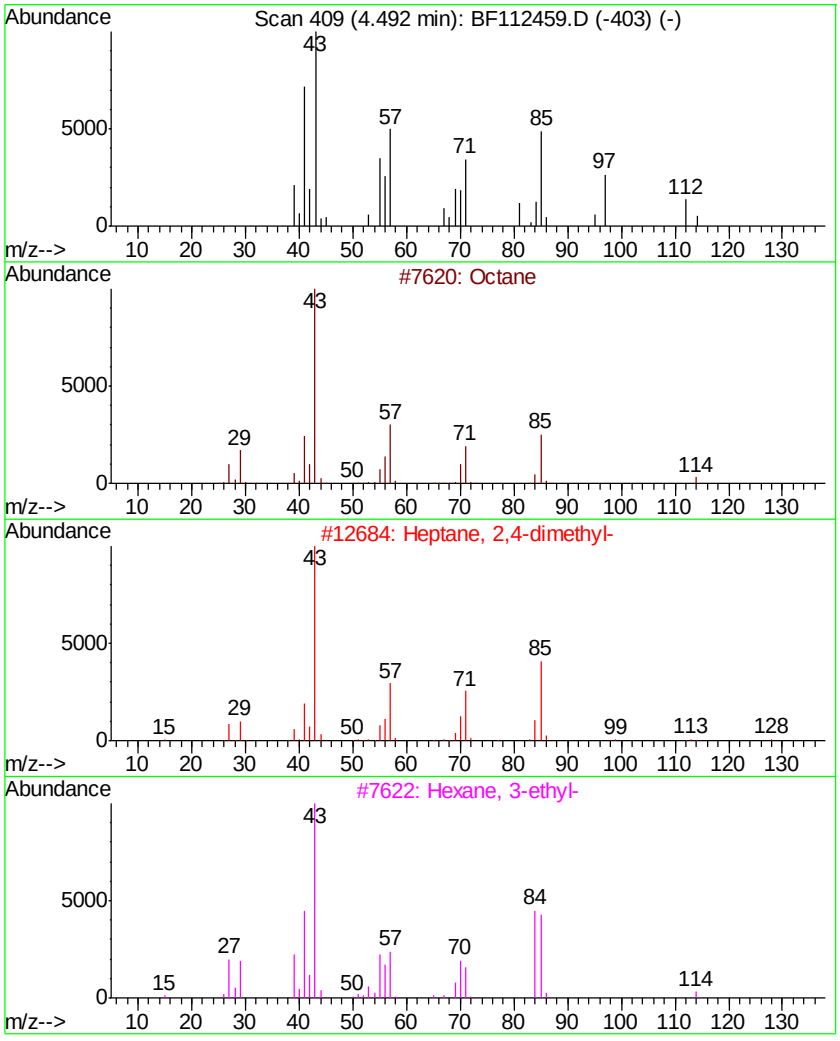
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

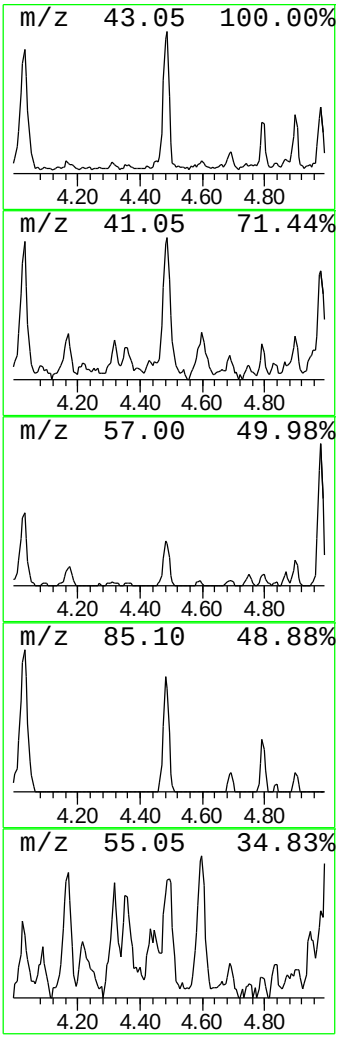
****

Peak Number 4 Octane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.49	2.93 ng	117060	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

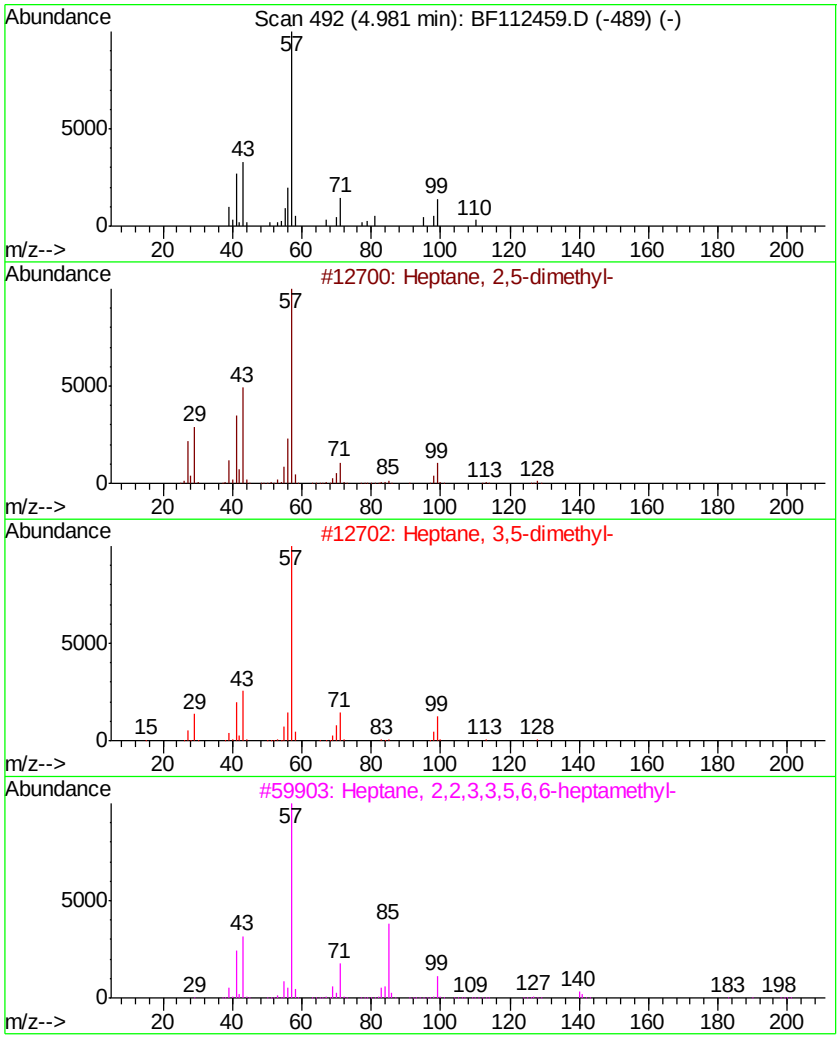
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

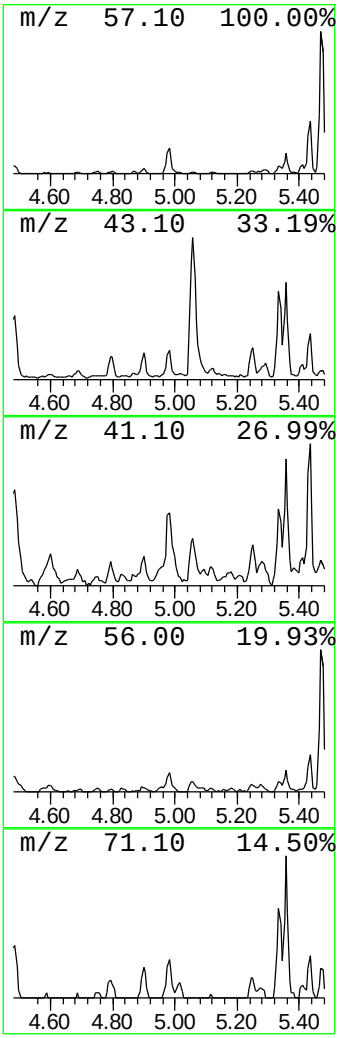
****

Peak Number 5 Heptane, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	2.42 ng	96716	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
3	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	47
4	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	45
5	Octane, 3-methyl-	128	C9H20	002216-33-3	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

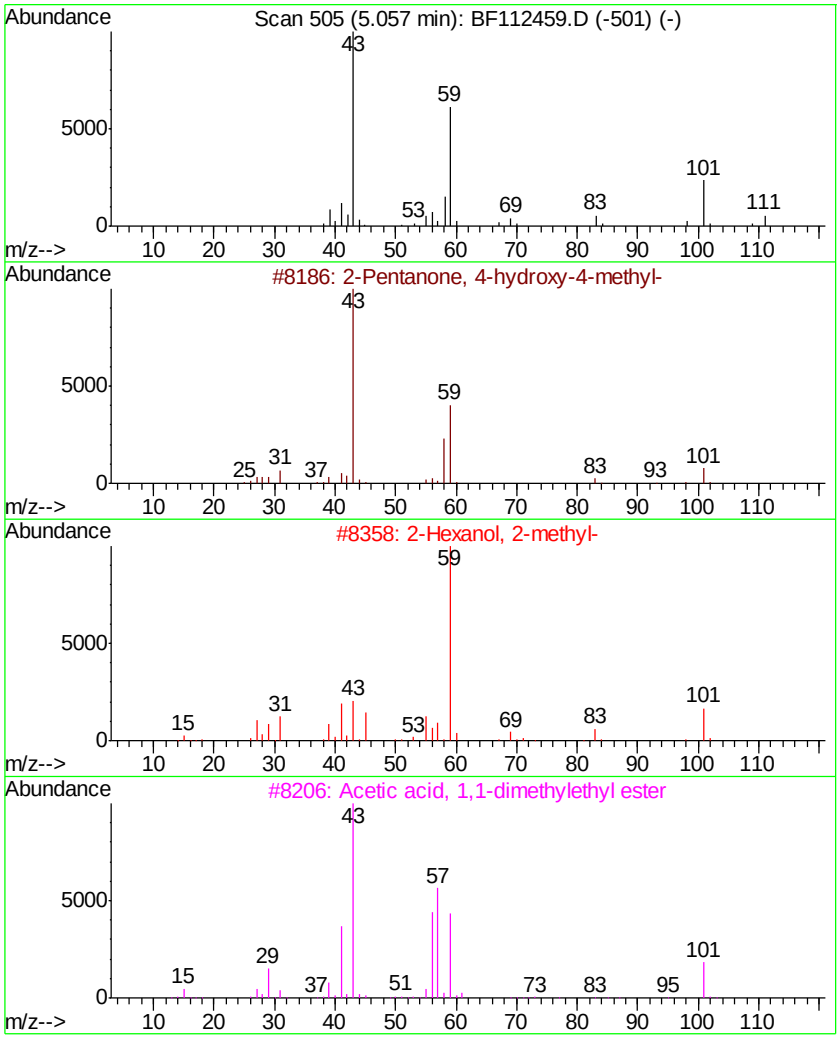
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

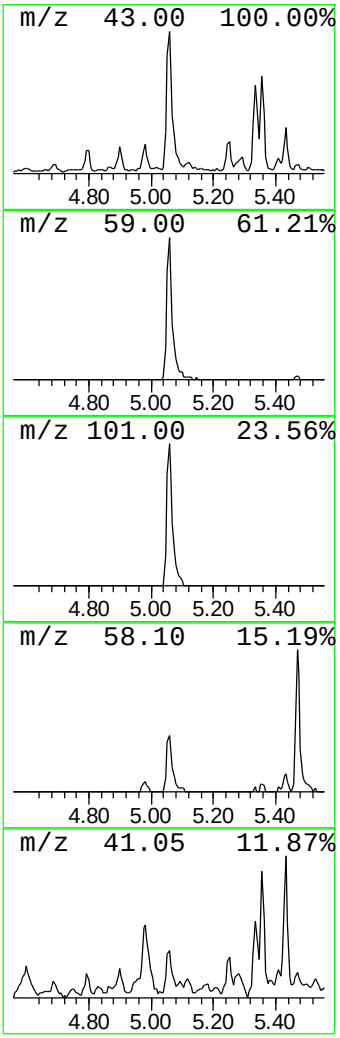
****

Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	3.84 ng	153172	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	40
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
5	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

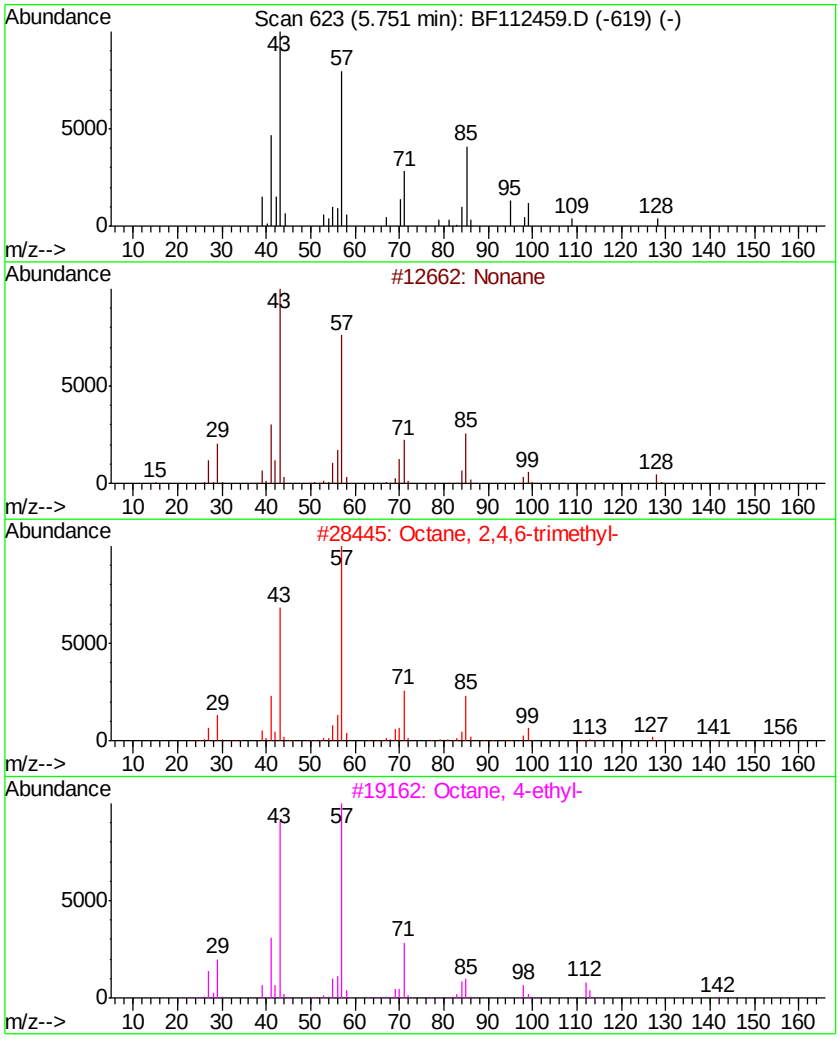
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

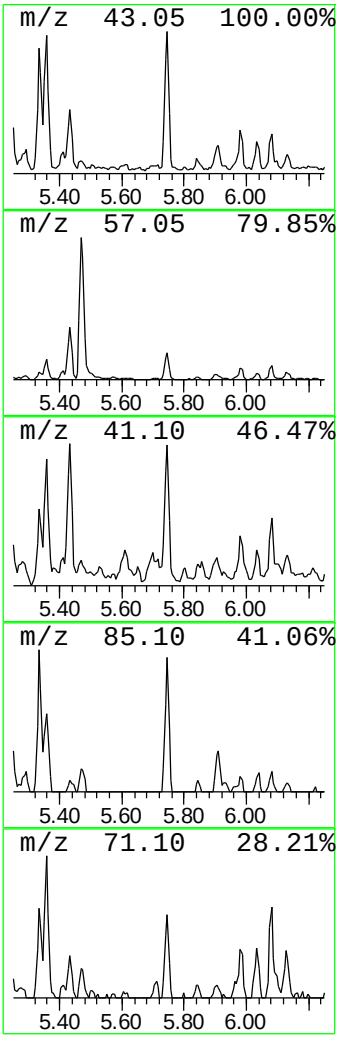
****

Peak Number 7 Nonane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.75	2.81 ng	112072	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	97
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	59
4	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	59
5	Octane	114	C8H18	000111-65-9	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

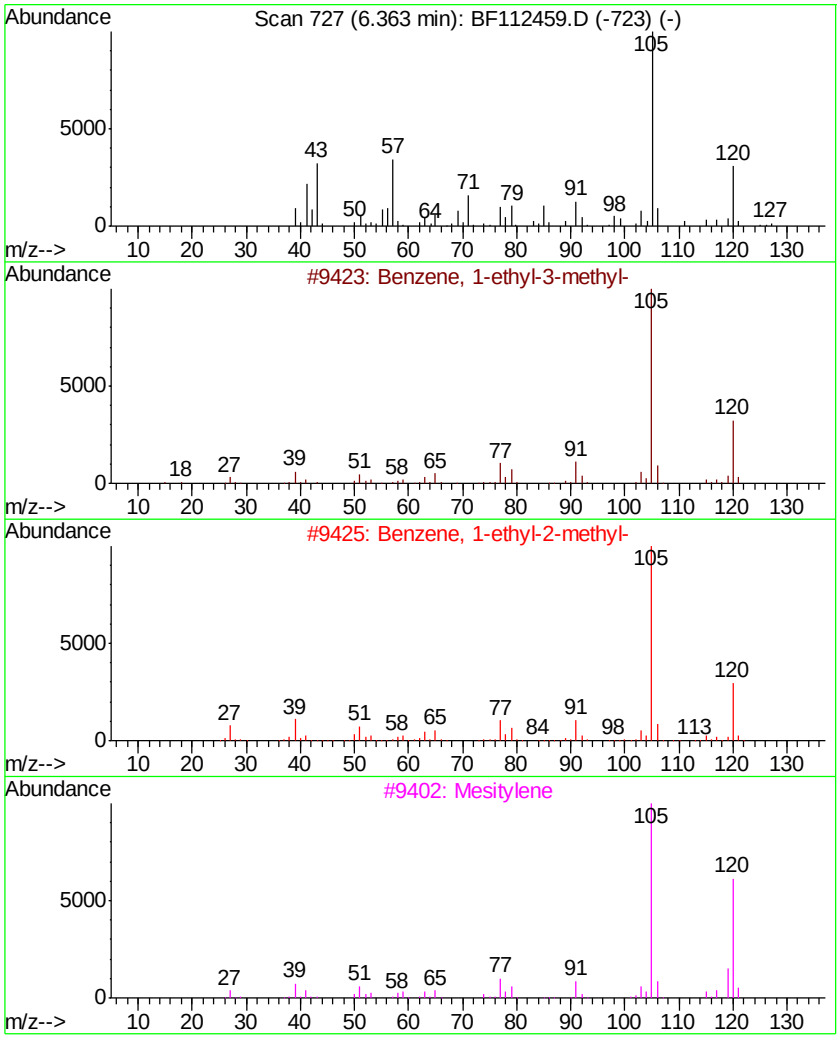
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

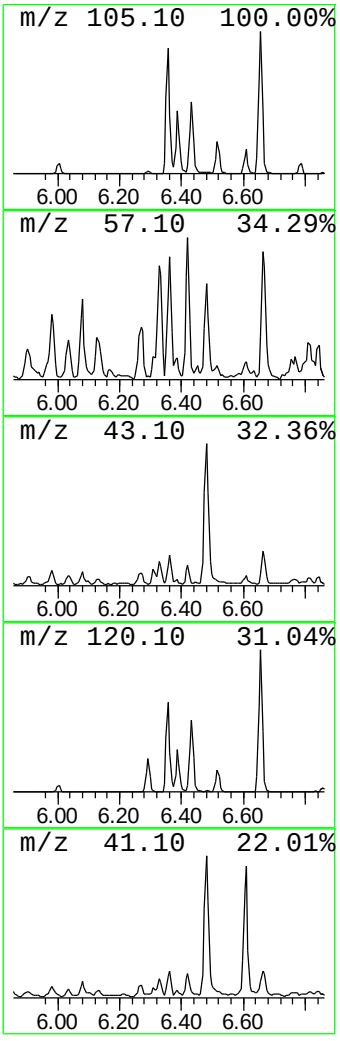
****

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	6.26 ng	249771	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

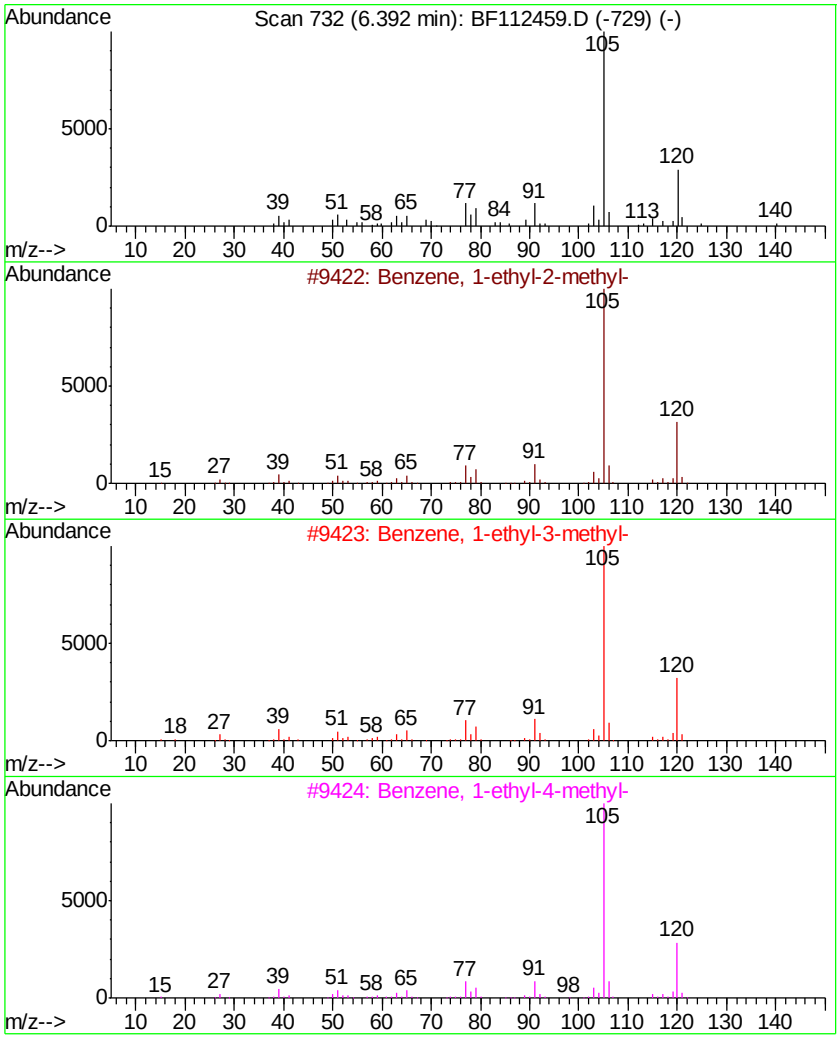
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

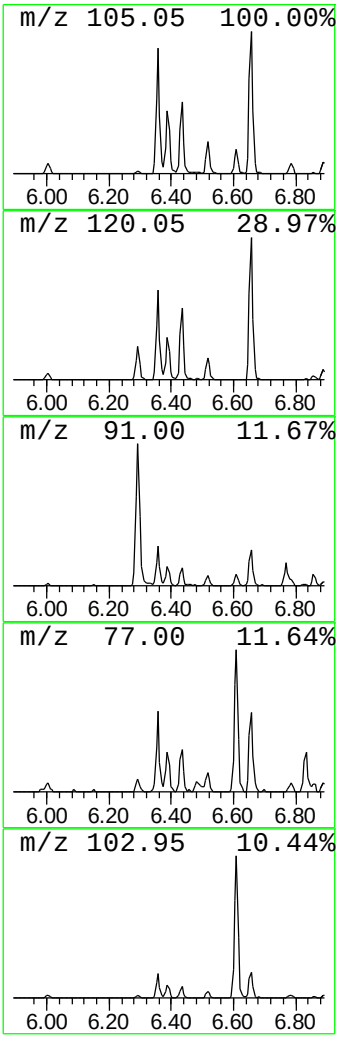
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	2.50 ng	99897	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

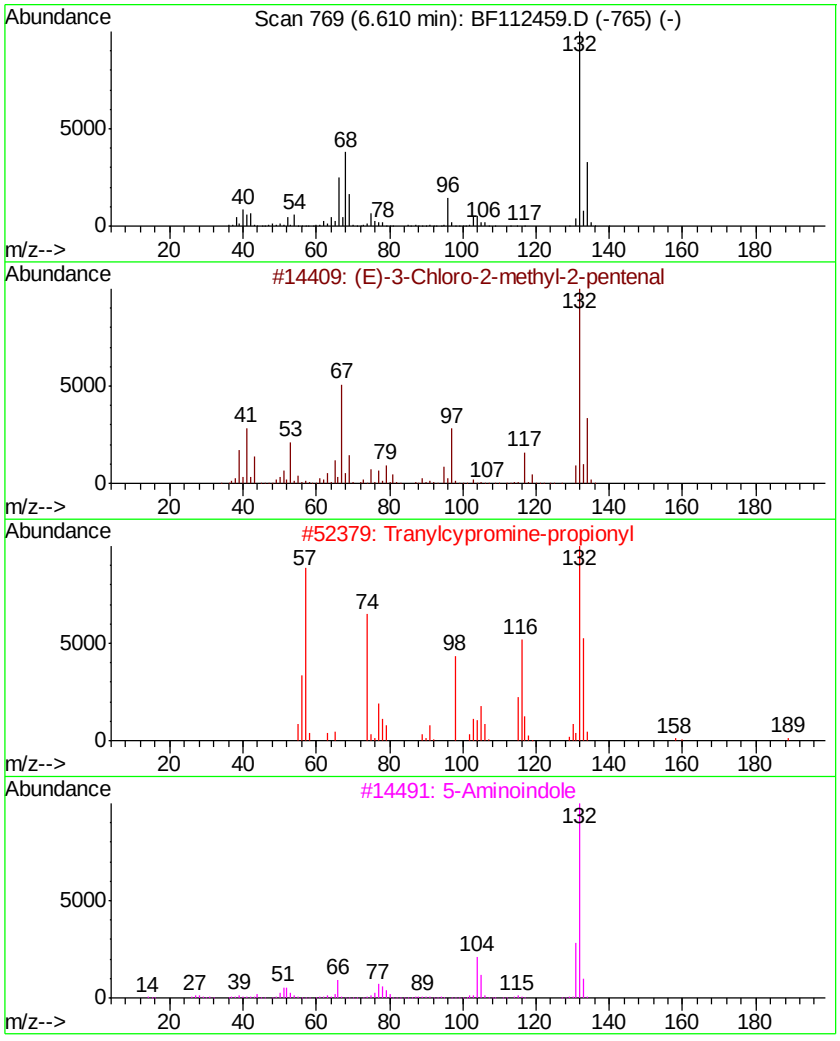
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

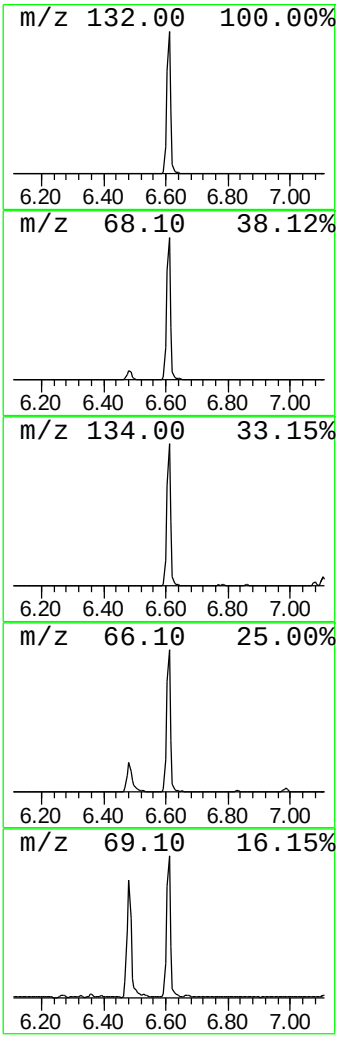
****

Peak Number 10 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	67.08 ng	2676240	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

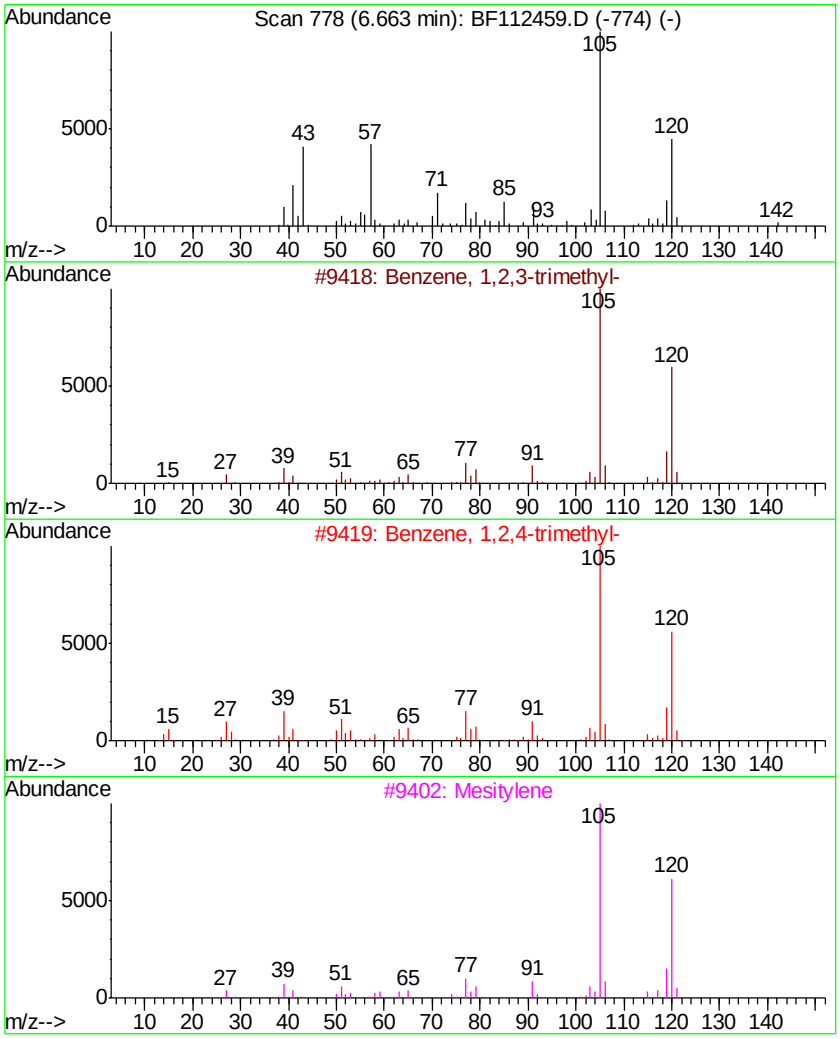
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

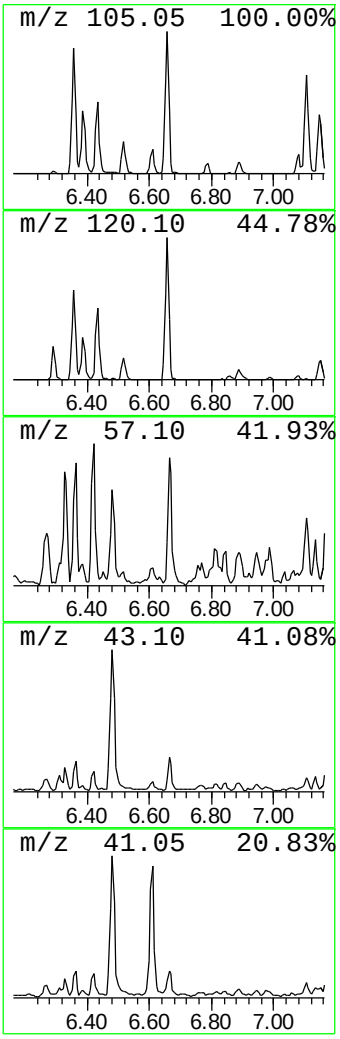
****

Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	7.89 ng	314858	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

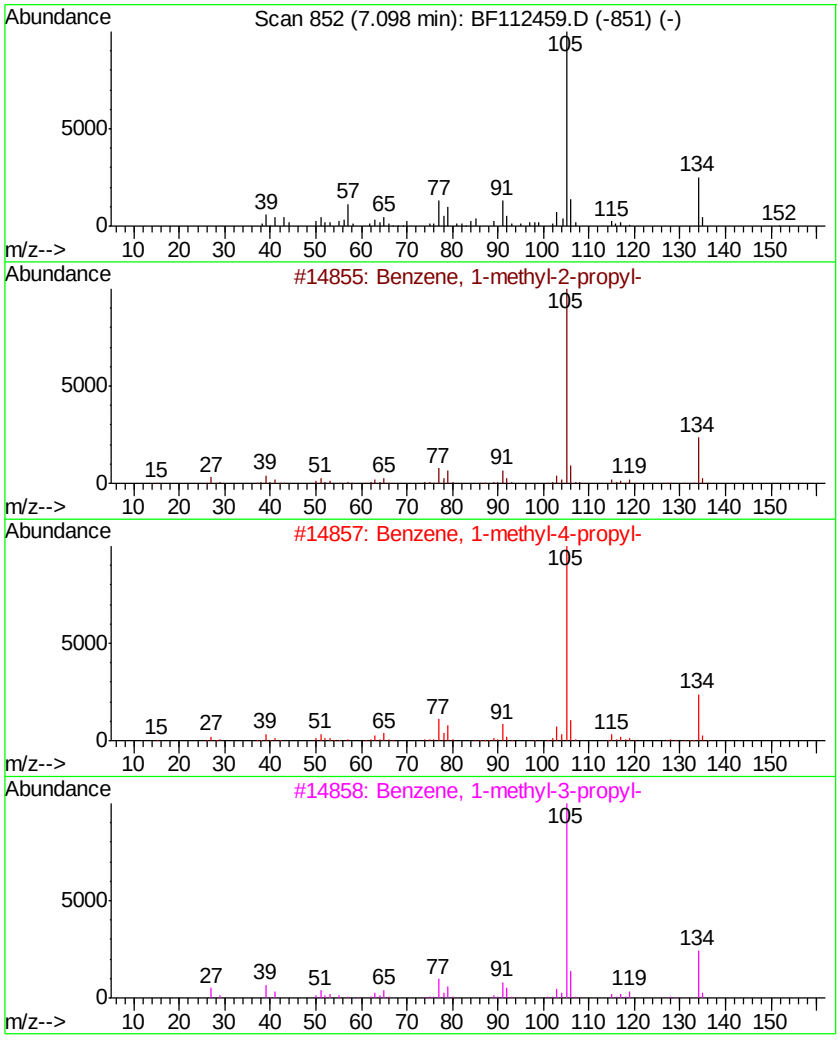
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

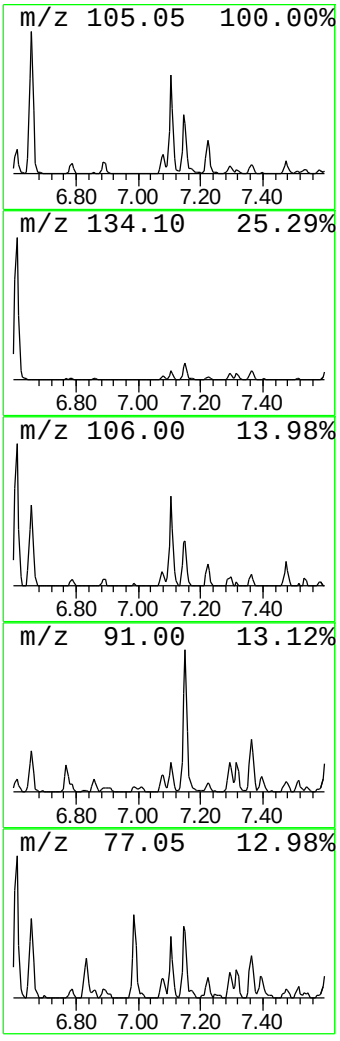
****

Peak Number 13 Benzene, 1-methyl-2-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	4.16 ng	165940	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	93
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	74
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

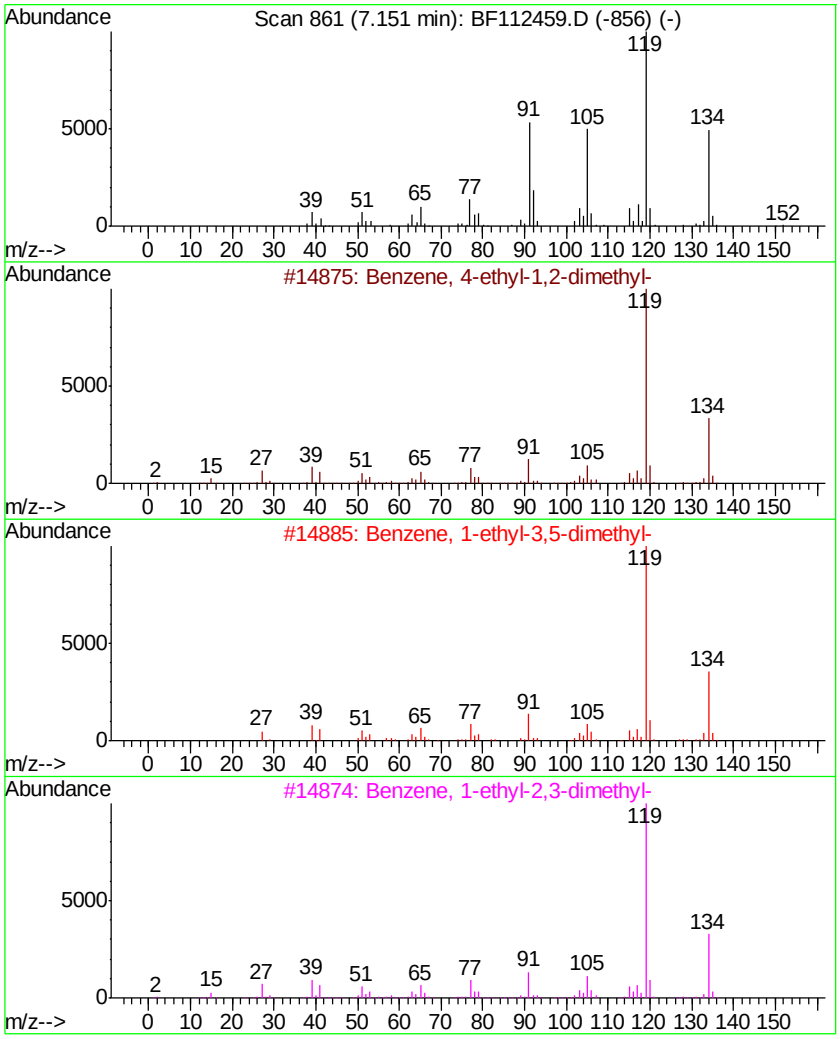
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

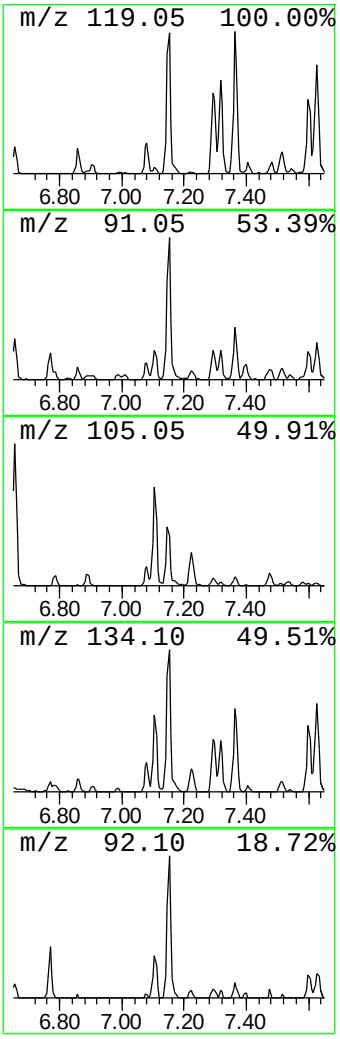
****

Peak Number 14 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	9.05 ng	361156	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

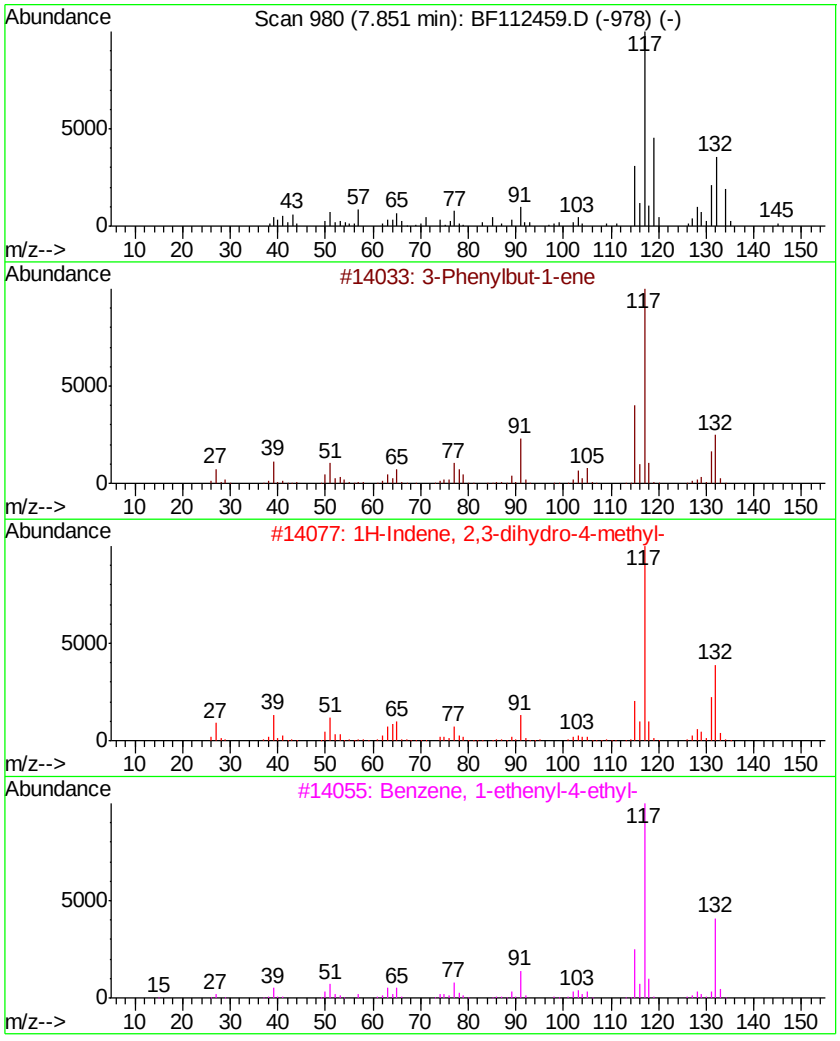
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

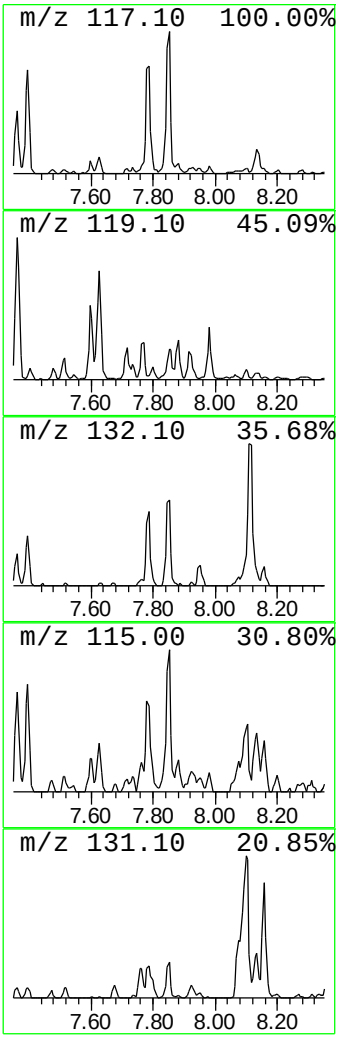
****

Peak Number 15 3-Phenylbut-1-ene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	2.73 ng	182111	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	62
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	58
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	53
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	53
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

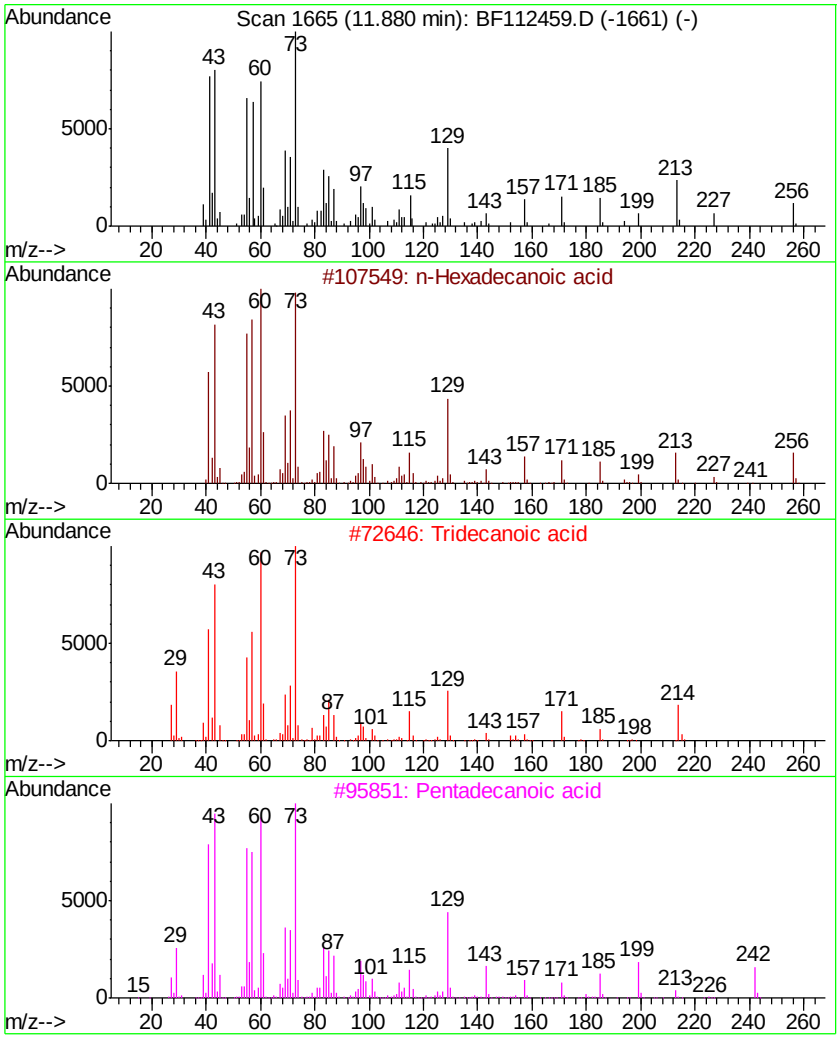
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

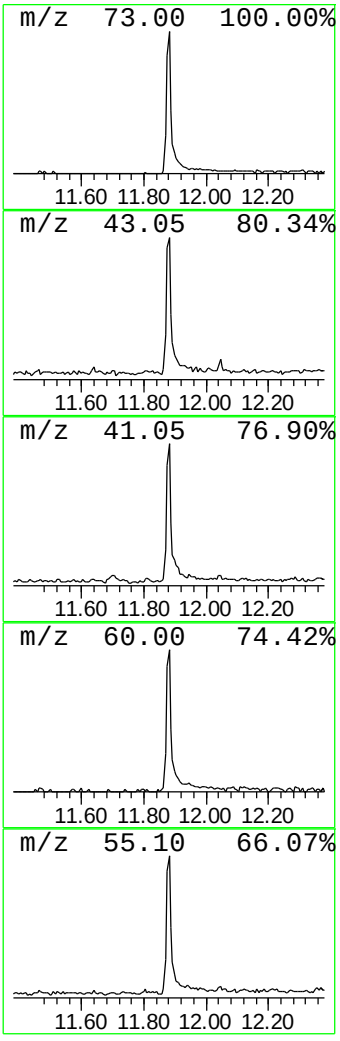
****

Peak Number 16 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.77 ng	294744	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Dodecanoic acid	200	C12H24O2	000143-07-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

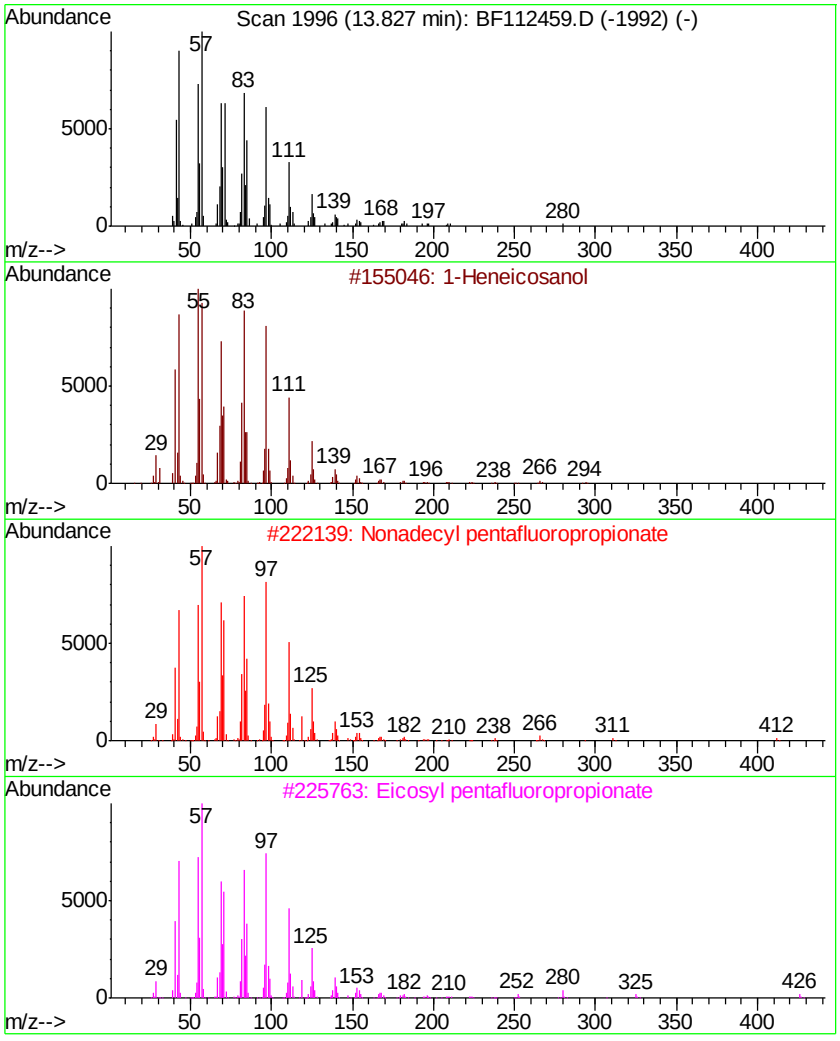
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

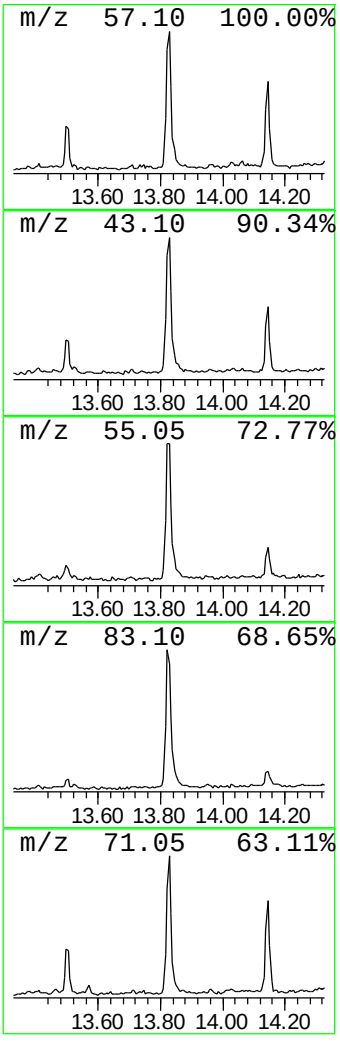
****

Peak Number 17 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	7.23 ng	420925	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
3	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
5	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

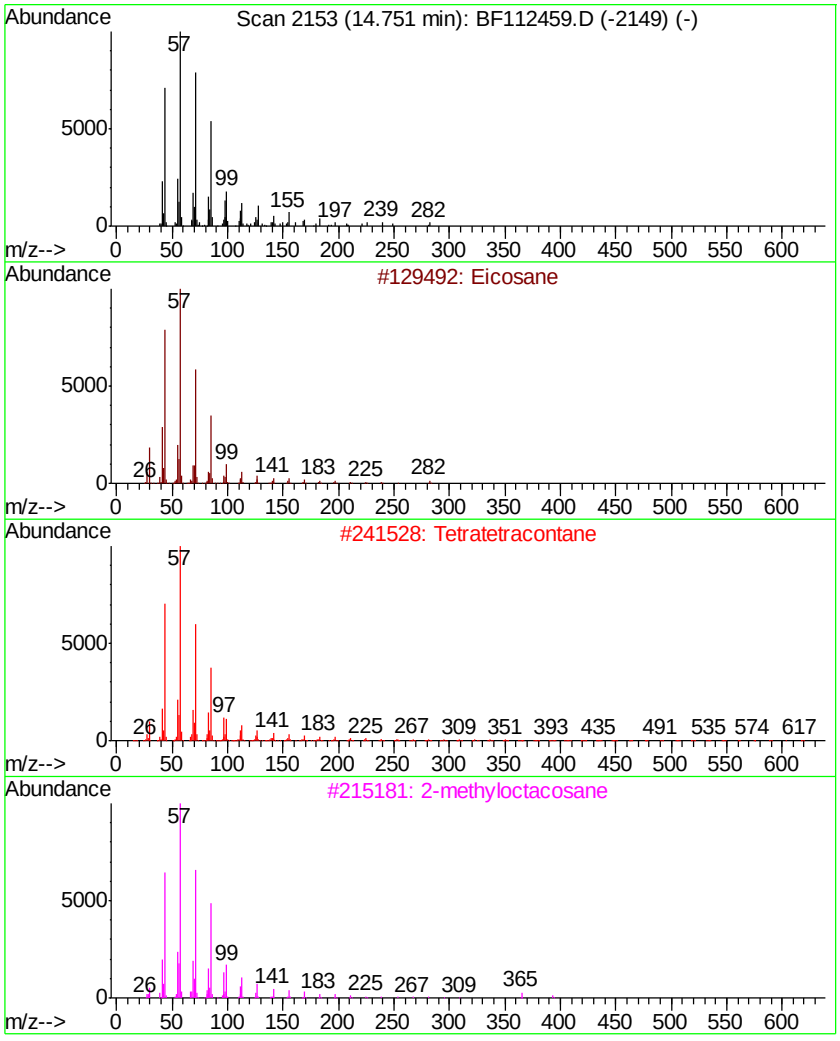
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

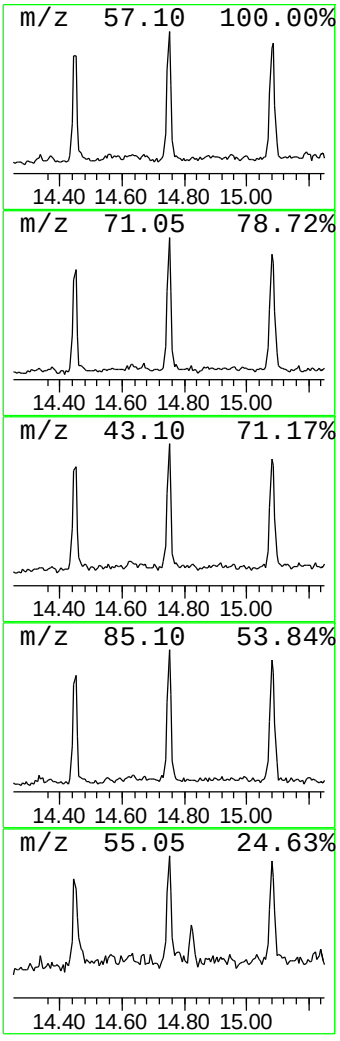
****

Peak Number 18 Eicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	2.44 ng	132236	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

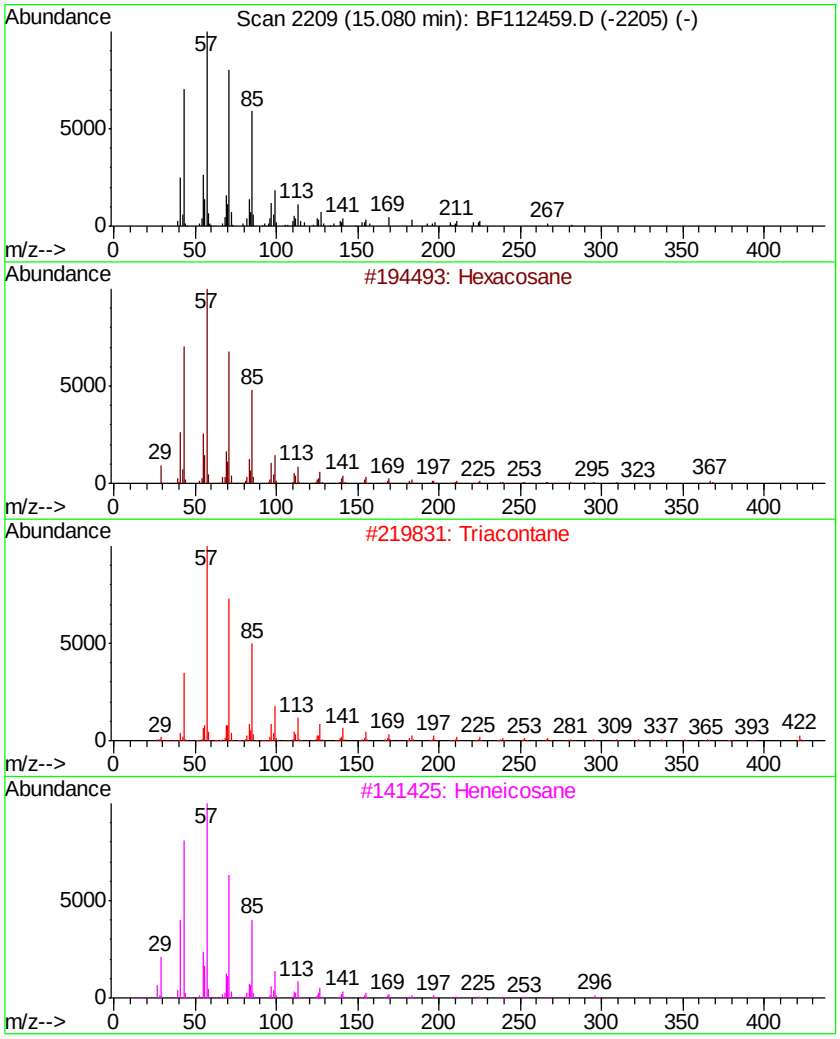
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

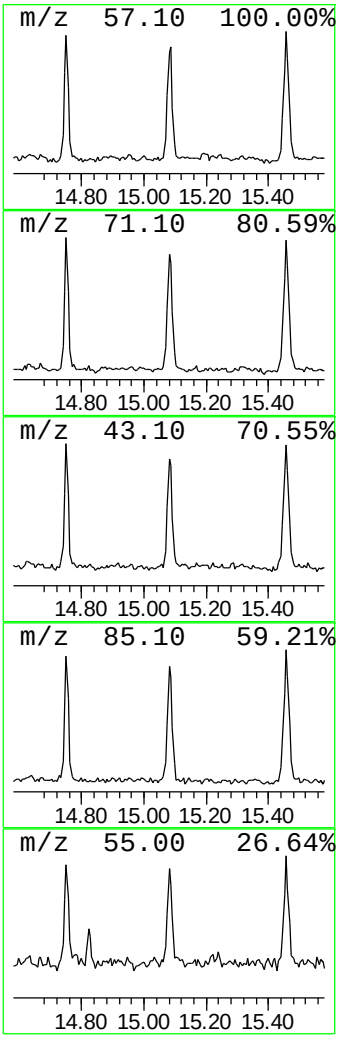
****

Peak Number 19 Hexacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	2.77 ng	150150	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane	240	C17H36	000629-78-7	90
5	Tetracosane	338	C24H50	000646-31-1	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

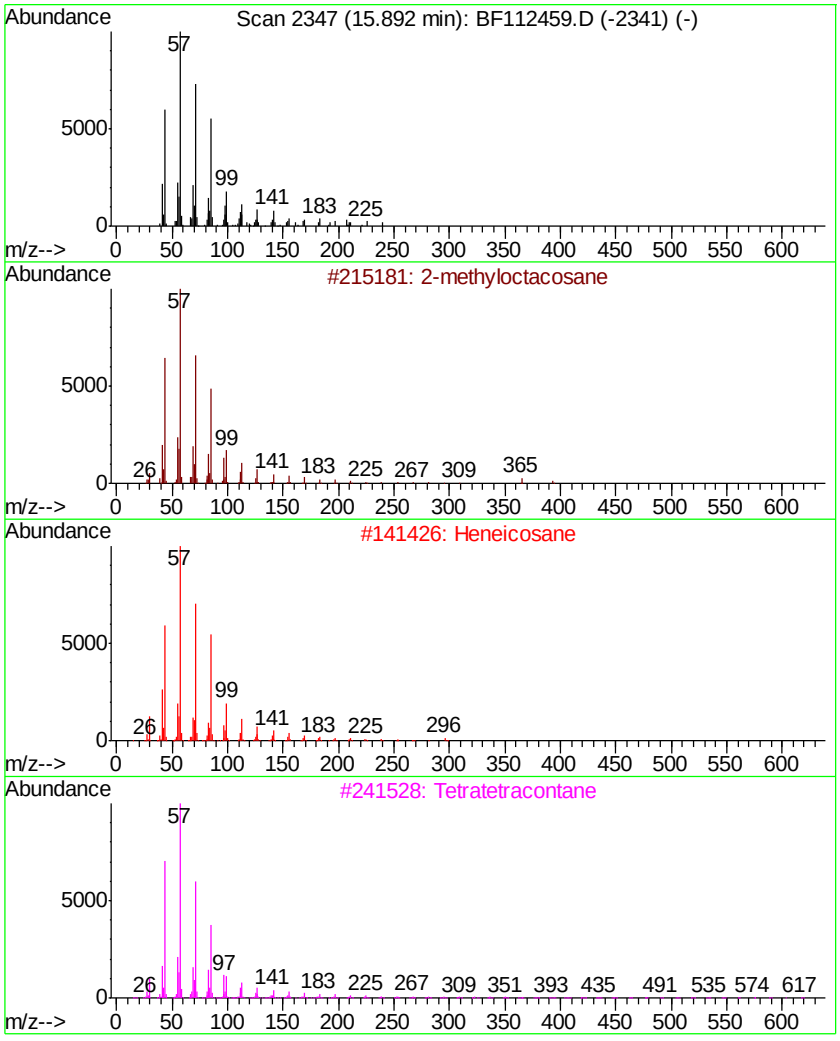
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

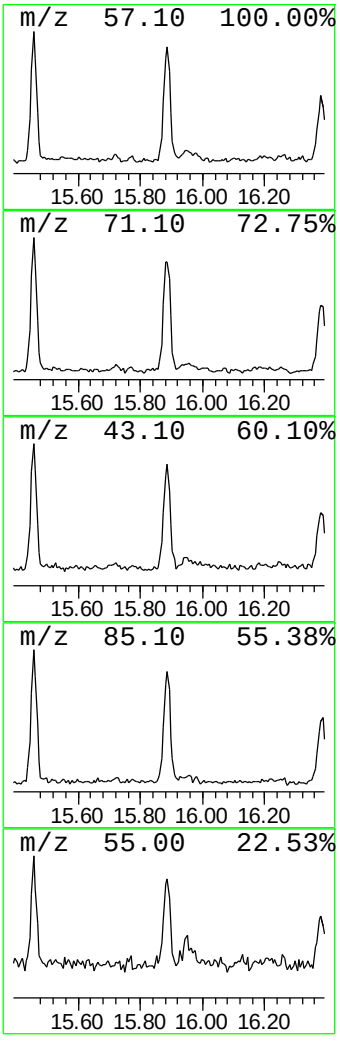
****

Peak Number 20 2-methyloctacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	3.40 ng	184499	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Hexacosane	366	C26H54	000630-01-3	87
5	Octacosane	394	C28H58	000630-02-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020819\
Data File : BF112459.D
Acq On : 8 Feb 2019 15:03
Operator : JU/SJ
Sample : K1409-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09(13-16)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Butane, 2-methoxy...	2.13	3.6	ng	142237	1	6.83	797895	20.0
Heptane, 2-methyl-	3.89	2.9	ng	116245	1	6.83	797895	20.0
Heptane, 3-methyl-	4.03	2.7	ng	106393	1	6.83	797895	20.0
Octane	4.49	2.9	ng	117060	1	6.83	797895	20.0
Heptane, 2,5-dime...	4.98	2.4	ng	96716	1	6.83	797895	20.0
2-Pentanone, 4-hy...	5.06	3.8	ng	153172	1	6.83	797895	20.0
Nonane	5.75	2.8	ng	112072	1	6.83	797895	20.0
Benzene, 1-ethyl-...	6.36	6.3	ng	249771	1	6.83	797895	20.0
Benzene, 1-ethyl-...	6.39	2.5	ng	99897	1	6.83	797895	20.0
unknown6.61	6.61	67.1	ng	2676240	1	6.83	797895	20.0
Benzene, 1,2,3-tr...	6.66	7.9	ng	314858	1	6.83	797895	20.0
Benzene, 1-methyl...	7.10	4.2	ng	165940	1	6.83	797895	20.0
Benzene, 4-ethyl-...	7.15	9.1	ng	361156	1	6.83	797895	20.0
3-Phenylbut-1-ene	7.85	2.7	ng	182111	2	8.12	1336050	20.0
n-Hexadecanoic acid	11.88	4.8	ng	294744	4	11.36	1236600	20.0
1-Heneicosanol	13.83	7.2	ng	420925	5	14.00	1163680	20.0
Eicosane	14.75	2.4	ng	132236	6	15.47	1085230	20.0
Hexacosane	15.08	2.8	ng	150150	6	15.47	1085230	20.0
2-methyloctacosane	15.89	3.4	ng	184499	6	15.47	1085230	20.0