LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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	1.632	3	4	29	rVB	853958	1511072	38.58%	3.100%
2	4.730	272	275	289	rBV	139294	426577	10.89%	0.875%
3	5.393	330	333	348	rBV	2107001	3569779	91.14%	7.323%
4	7.039	474	477	483	rVV	2158826	3721601	95.02%	7.635%
5	7.142	483	486	502	rVB	2817305	3916655	100.00%	8.035%
6	7.484	513	516	521	rBV	608313	890926	22.75%	1.828%
7	7.713	533	536	539	rBV	1796645	2702346	69.00%	5.544%
8	8.399	593	596	612	rBV	1720344	2413653	61.63%	4.952%
9	9.130	655	660	664	rBV2	25721	80309	2.05%	0.165%
10	9.279	669	673	678	rBV3	27997	85814	2.19%	0.176%
11	9.508	691	693	699	rVB	741326	1108238	28.30%	2.274%
12	9.599	699	701	705	rVB2	52137	125023	3.19%	0.256%
13	9.713	705	711	714	rBV	53745	95103	2.43%	0.195%
14	9.862	721	724	727	rBV2	71806	142061	3.63%	0.291%
15	9.988	731	735	737	rVB	49143	80812	2.06%	0.166%
16	10.045	737	740	742	rBV2	33787	72034	1.84%	0.148%
17	10.170	748	751	753	rVB3	45515	89000	2.27%	0.183%
18	10.239	753	757	760	rBV4	27783	71502	1.83%	0.147%
19	10.296	760	762	764	rVV3	111752	194809	4.97%	0.400%
20	10.342	764	766	770	rVV2	93240	146946	3.75%	0.301%
21	10.410	770	772	777	rVB4	38903	118738	3.03%	0.244%
22	10.582	783	787	791	rVB3	157174	299844	7.66%	0.615%
23	10.673	791	795	798	rBV3	37304	106226	2.71%	0.218%
24	10.730	798	800	806	rVB5	33378	86134	2.20%	0.177%
25	10.833	806	809	811	rBV3	83355	172031	4.39%	0.353%
26	10.868	811	812	815	rVV2	88873	114287	2.92%	0.234%
27	10.925	815	817	820	rVB2	38232	59712	1.52%	0.122%
28	11.051	826	828	829	rBV2	67640	96535	2.46%	0.198%
29	11.222	840	843	846	rBV3	70065	144486	3.69%	0.296%
30	11.291	846	849	852	rVV	2435813	3762756	96.07%	7.719%
31	11.508	864	868	871	rBV2	275829	509783	13.02%	1.046%
32	11.588	871	875	877	rBV5	65379	167455	4.28%	0.344%
33	11.691	882	884	888	rBV2	182848	399245	10.19%	0.819%
34	11.805	891	894	896	rVV	241720	380445	9.71%	0.780%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.851	896	898	901	rVB3	223461	303428	7.75%	0.622%
36	11.919	901	904	907	rBV4	59205	175427	4.48%	0.360%
37	11.988	907	910	912	rVV	505535	736805	18.81%	1.512%
38	12.022	912	913	915	rVB2	262999	256408	6.55%	0.526%
39	12.125	919	922	924	rBV2	106743	184050	4.70%	0.378%
40	12.193	924	928	931	rVB5	113083	222345	5.68%	0.456%
41	12.285	934	936	938	rBV2	38681	59989	1.53%	0.123%
42	12.342	938	941	946	rBV2	856459	1787097	45.63%	3.666%
43	12.536	956	958	962	rVB	117041	240514	6.14%	0.493%
44	12.605	962	964	966	rVB2	77123	107490	2.74%	0.221%
45	12.708	966	973	974	rBV2	163050	368818	9.42%	0.757%
46	12.765	974	978	982	rVB3	157506	383237	9.78%	0.786%
47	12.834	982	984	986	rBV3	43020	63667	1.63%	0.131%
48	12.879	986	988	991	rVB	194435	315716	8.06%	0.648%
49	12.936	991	993	995	rVB2	106641	183283	4.68%	0.376%
50	13.028	995	1001	1005	rBV4	80197	215173	5.49%	0.441%
51	13.131	1009	1010	1012	rBV	65517	67924	1.73%	0.139%
52	13.188	1012	1015	1017	rVV	426283	648270	16.55%	1.330%
53	13.234	1017	1019	1023	rVB3	101847	216980	5.54%	0.445%
54	13.325	1023	1027	1029	rBV3	108444	302145	7.71%	0.620%
55	13.451	1036	1038	1040	rBV	52609	68129	1.74%	0.140%
56	13.542	1041	1046	1048	rBV	269840	484395	12.37%	0.994%
57	13.634	1051	1054	1057	rBV	1413424	2040334	52.09%	4.186%
58	13.714	1059	1061	1064	rVB3	73001	169724	4.33%	0.348%
59	13.862	1068	1074	1076	rBV3	68914	167762	4.28%	0.344%
60	13.954	1079	1082	1087	rBV	540201	1155803	29.51%	2.371%
61	14.137	1094	1098	1099	rBV4	35062	96766	2.47%	0.199%
62	14.171	1099	1101	1104	rVV	89355	104399	2.67%	0.214%
63	14.262	1108	1109	1112	rVV2	68022	99465	2.54%	0.204%
64	14.319	1112	1114	1116	rVB2	75480	103998	2.66%	0.213%
65	14.365	1116	1118	1120	rBV3	61723	90337	2.31%	0.185%
66	14.422	1120	1123	1125	rBV2	48543	71121	1.82%	0.146%
67	14.685	1143	1146	1148	rBV	400488	475406	12.14%	0.975%
68	14.742	1148	1151	1153	rVV2	788575	1257069	32.10%	2.579%
69	14.777	1153	1154	1156	rVB	125223	120690	3.08%	0.248%
70	14.959	1168	1170	1175	rBV4	61684	201726	5.15%	0.414%
71	15.120	1183	1184	1188	rBV4	35480	76582	1.96%	0.157%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.280	1195	1198	1203	rBV4	53252	170172	4.34%	0.349%
73	15.360	1203	1205	1207	rVV	306943	335960	8.58%	0.689%
74	15.531	1218	1220	1222	rBV	70422	78797	2.01%	0.162%
75	15.577	1222	1224	1226	rBV	105963	137454	3.51%	0.282%
76	15.691	1232	1234	1235	rBV	47103	56127	1.43%	0.115%
77	15.725	1235	1237	1241	rVB3	95239	183932	4.70%	0.377%
78	15.885	1249	1251	1255	rVB3	32924	59963	1.53%	0.123%
79	15.965	1255	1258	1260	rBV	248428	300662	7.68%	0.617%
80	16.342	1288	1291	1292	rVV	79258	135713	3.47%	0.278%
81	16.457	1299	1301	1303	rVB	45020	59213	1.51%	0.121%
82	16.514	1303	1306	1307	rBV	178474	214350	5.47%	0.440%
83	16.548	1307	1309	1311	rVB	115211	161349	4.12%	0.331%
84	16.845	1332	1335	1337	rVB	160009	193014	4.93%	0.396%
85	16.948	1342	1344	1348	rVB2	163397	217020	5.54%	0.445%
86	17.017	1348	1350	1352	rBV	122191	145582	3.72%	0.299%
87	17.097	1354	1357	1360	rVB	2148478	2406332	61.44%	4.937%
88	17.165	1361	1363	1368	rVB4	28505	69051	1.76%	0.142%
89	17.485	1389	1391	1393	rVB	82812	94686	2.42%	0.194%
90	17.874	1422	1425	1427	rBV	96244	99407	2.54%	0.204%
91	17.931	1428	1430	1432	rVV	79204	81315	2.08%	0.167%
92	18.354	1464	1467	1468	rBV2	44148	52481	1.34%	0.108%
93	18.434	1468	1474	1477	rBV	556997	1027973	26.25%	2.109%
94	18.754	1500	1502	1505	rVB2	37991	53723	1.37%	0.110%
95	19.714	1583	1586	1591	rBV	52445	144333	3.69%	0.296%
96	20.057	1614	1616	1618	rVV	45952	53964	1.38%	0.111%
97	20.114	1618	1621	1627	rVV	412945	568578	14.52%	1.166%
98	20.206	1627	1629	1632	rVB	33180	51589	1.32%	0.106%
99	20.549	1657	1659	1662	rBV	30501	54286	1.39%	0.111%
100	20.949	1691	1694	1696	rBV2	29108	53451	1.36%	0.110%

Sum of corrected areas: 48744886

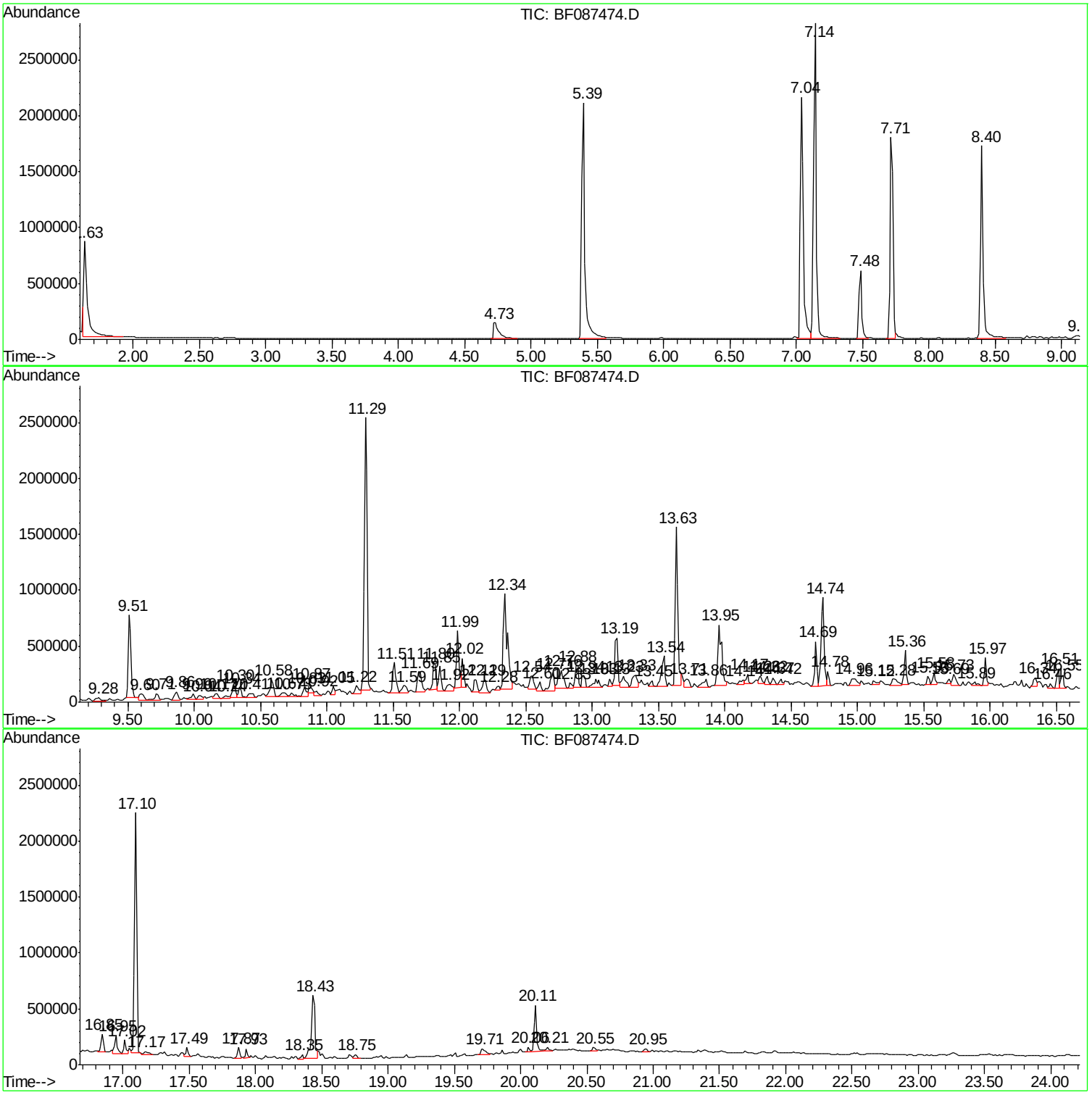
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

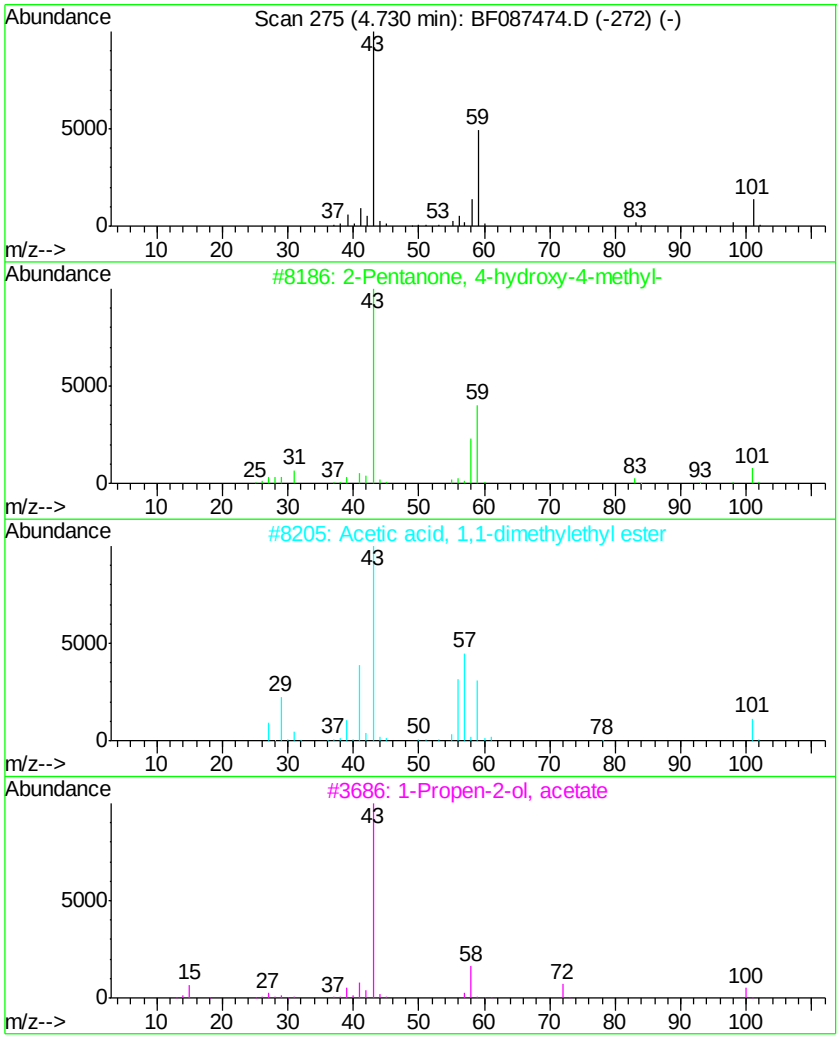
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

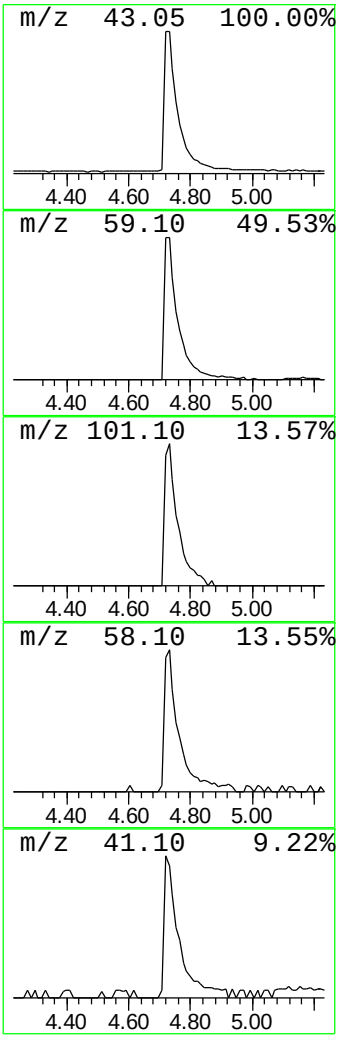
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	9.58 ng	426577	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	Butane	58	C4H10	000106-97-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

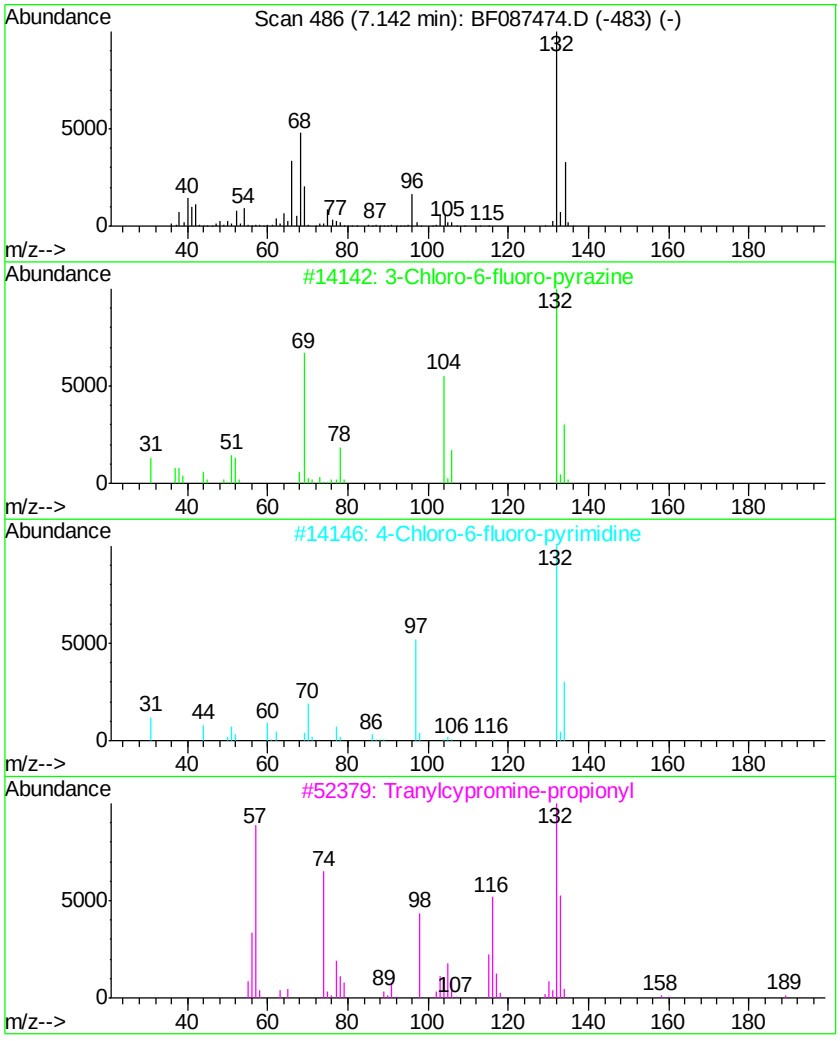
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

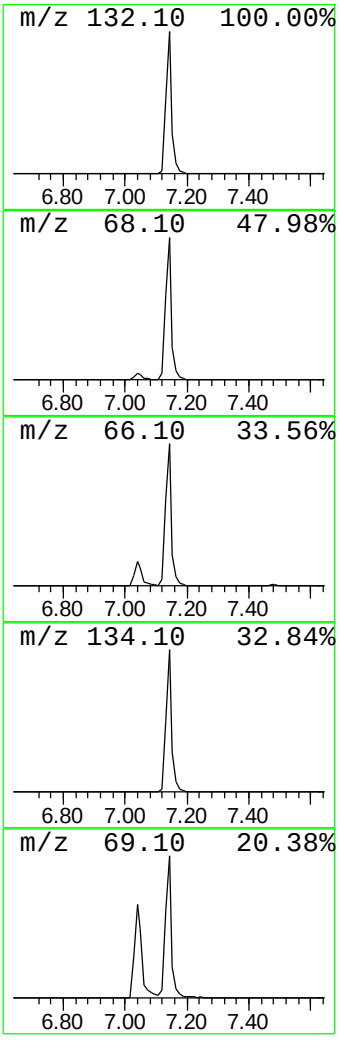
****

Peak Number 3 unknown7.14 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	87.92 ng	3916660	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

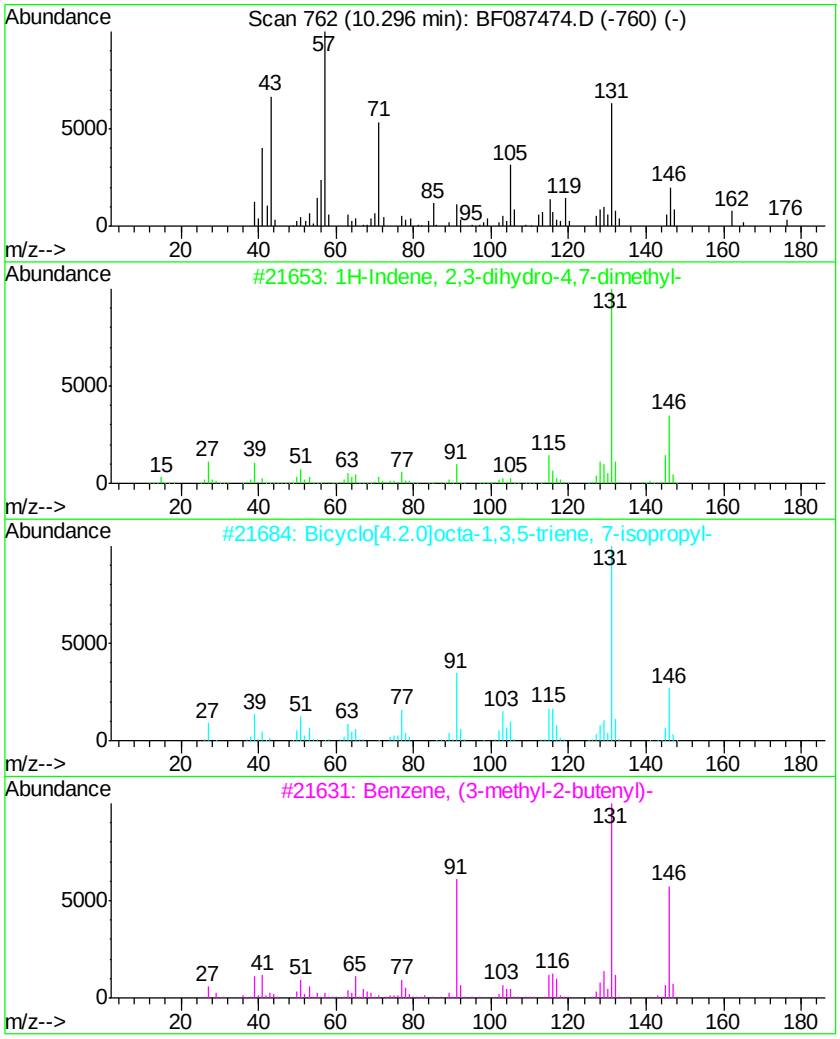
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

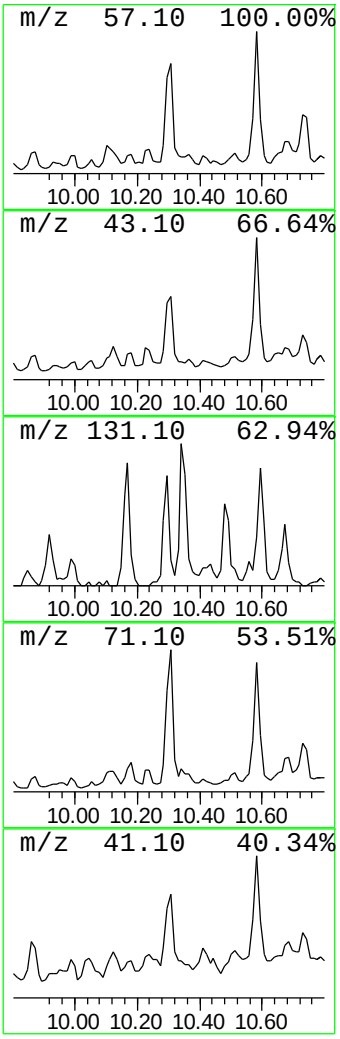
****

Peak Number 5 unknown10.30 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	3.52 ng	194809	Naphthalene-d8	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	38
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	38
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

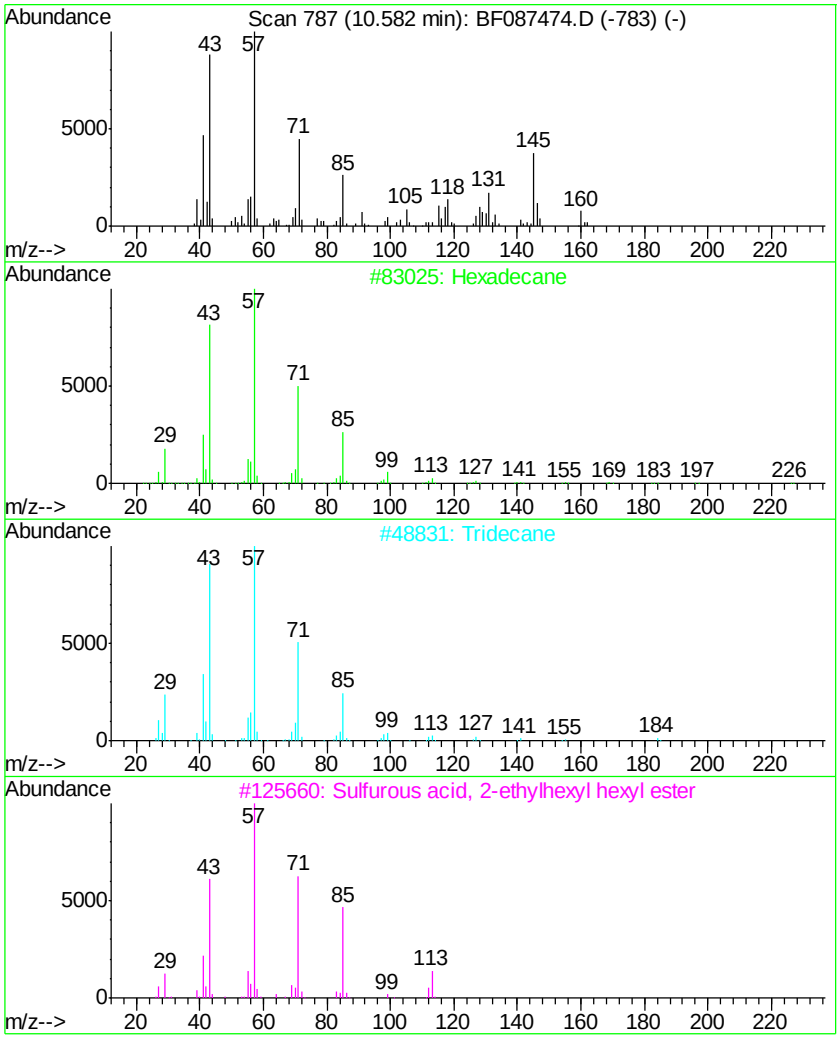
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

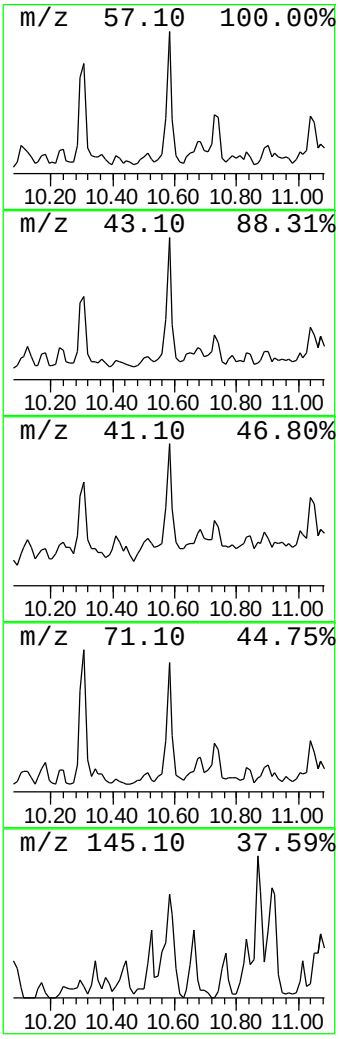
****

Peak Number 6 unknown10.58 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	5.41 ng	299844	Naphthalene-d8	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	43
2	Tridecane	184	C13H28	000629-50-5	43
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	35
5	Undecane	156	C11H24	001120-21-4	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

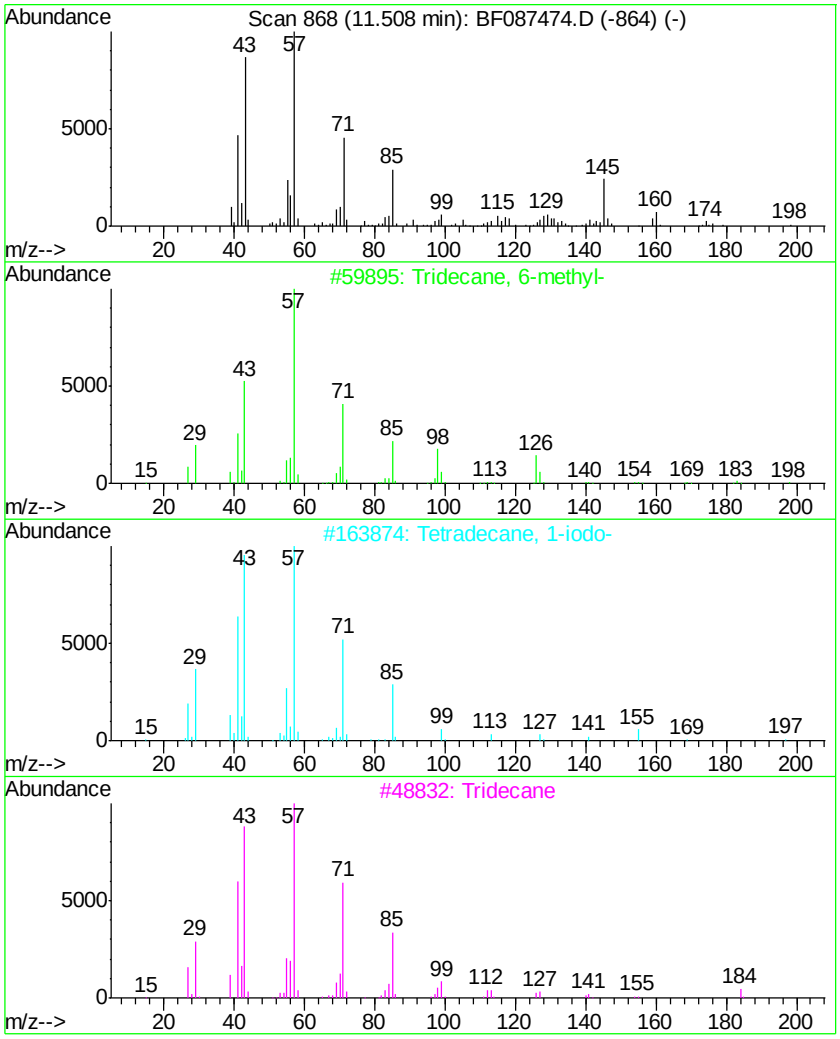
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

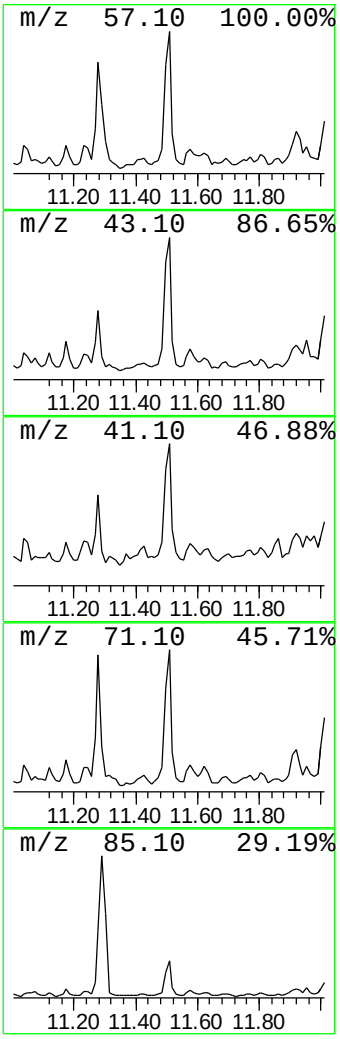
****

Peak Number 7 Tridecane, 6-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	5.71 ng	509783	Acenaphthene-d10	12.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	60
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	53
3	Tridecane	184	C13H28	000629-50-5	49
4	Hexadecane	226	C16H34	000544-76-3	49
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

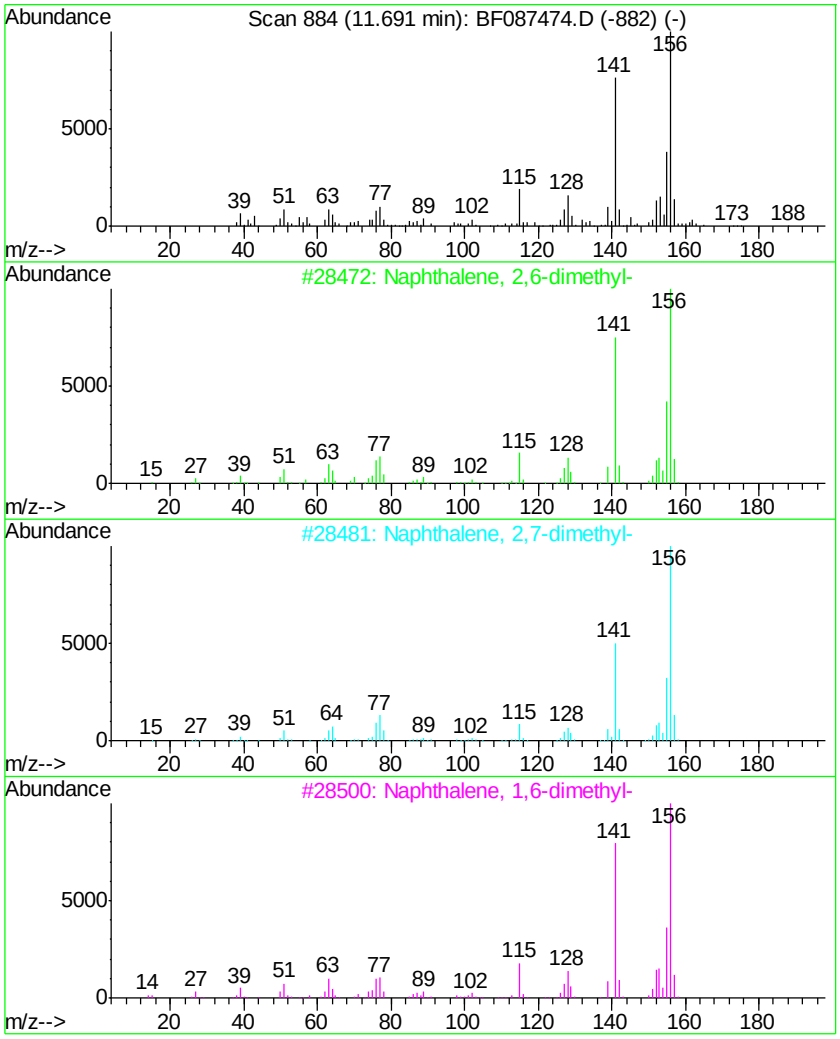
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

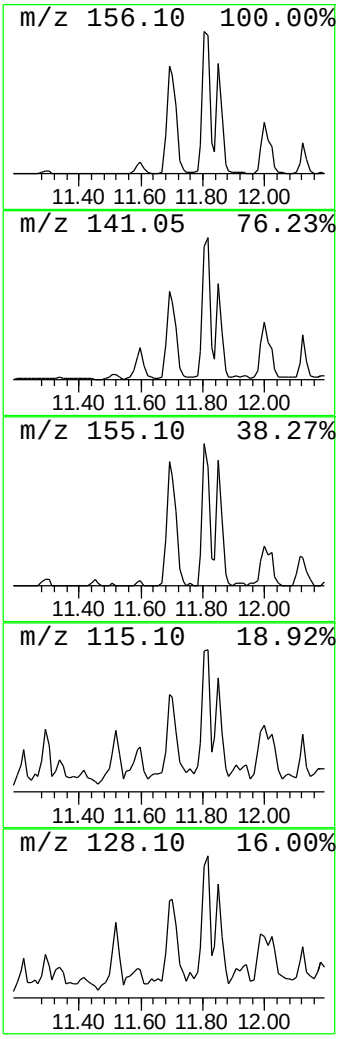
****

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	4.47 ng	399245	Acenaphthene-d10	12.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

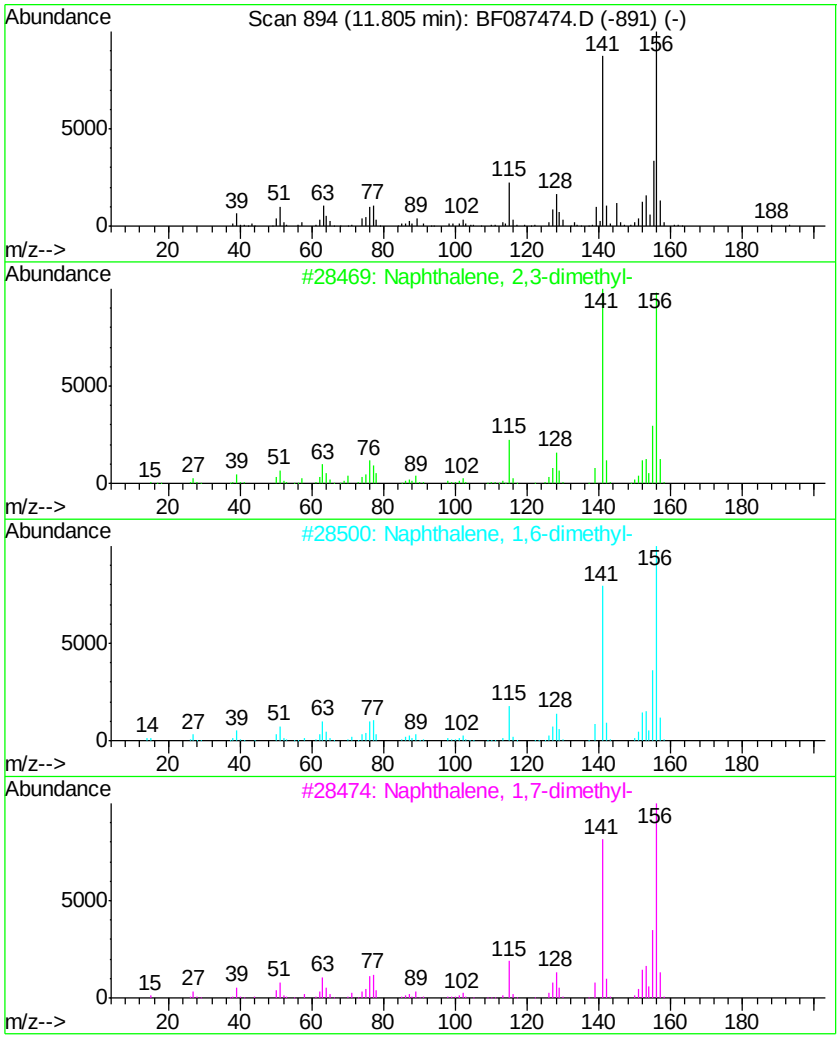
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

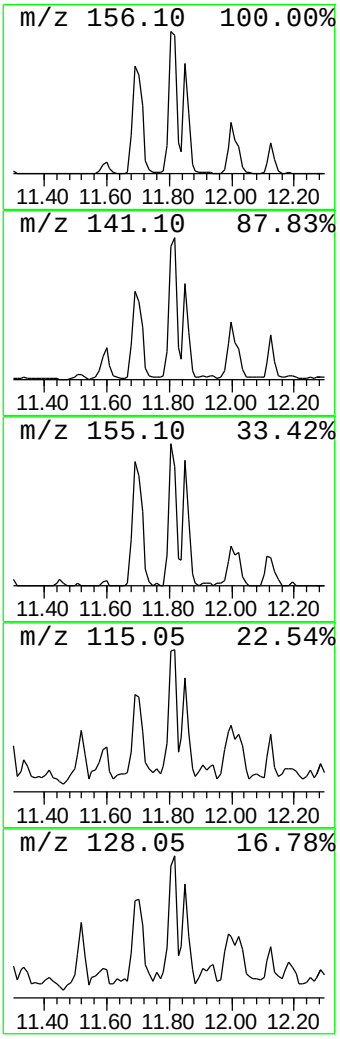
****

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.26 ng	380445	Acenaphthene-d10	12.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

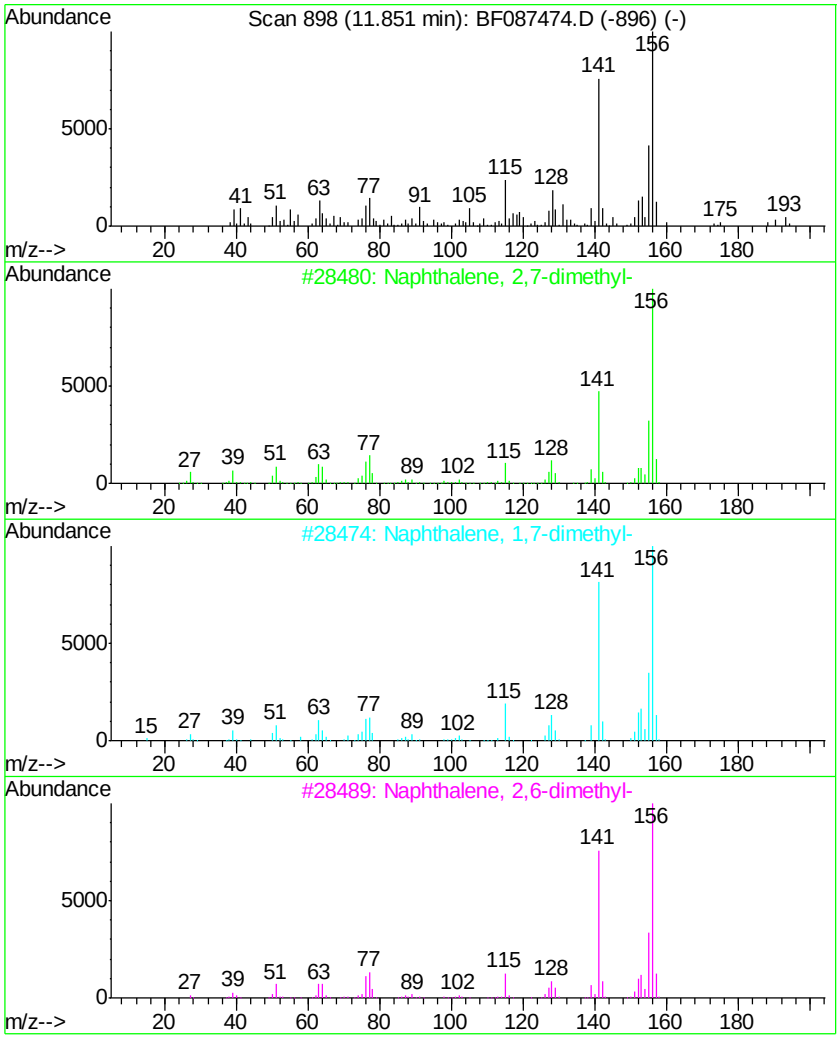
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

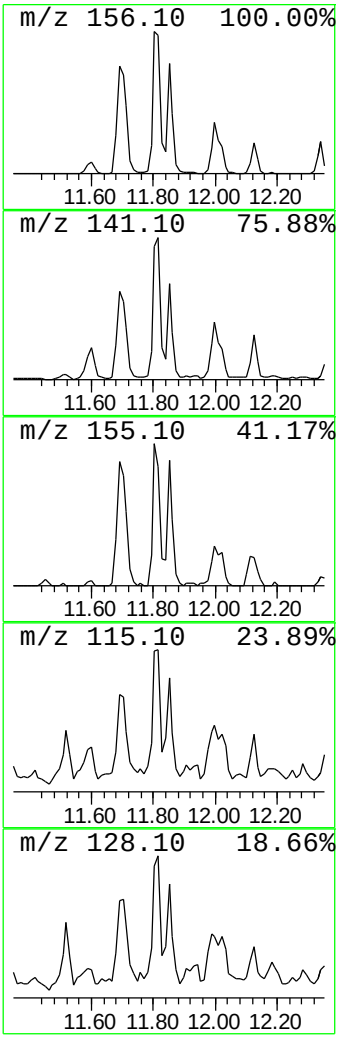
****

Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.40 ng	303428	Acenaphthene-d10	12.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

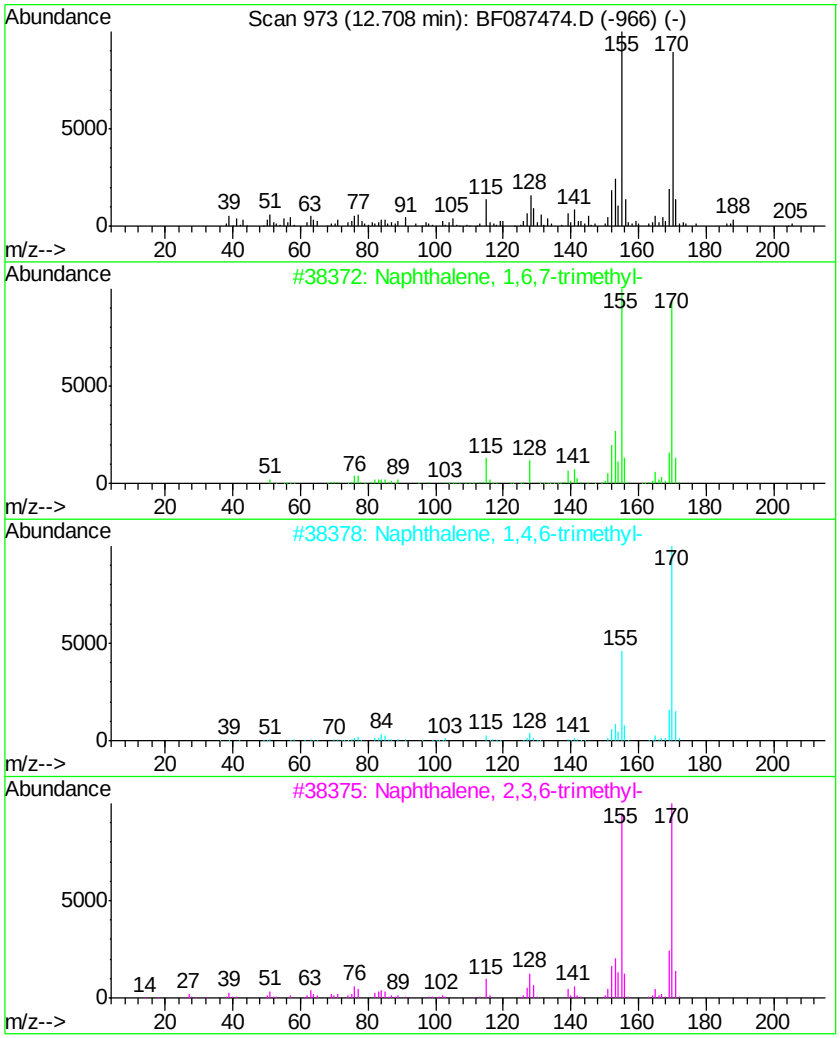
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

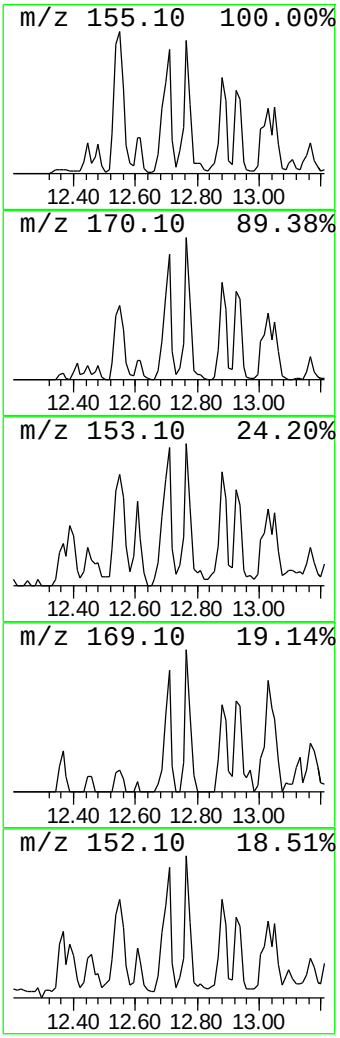
****

Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	4.13 ng	368818	Acenaphthene-d10	12.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

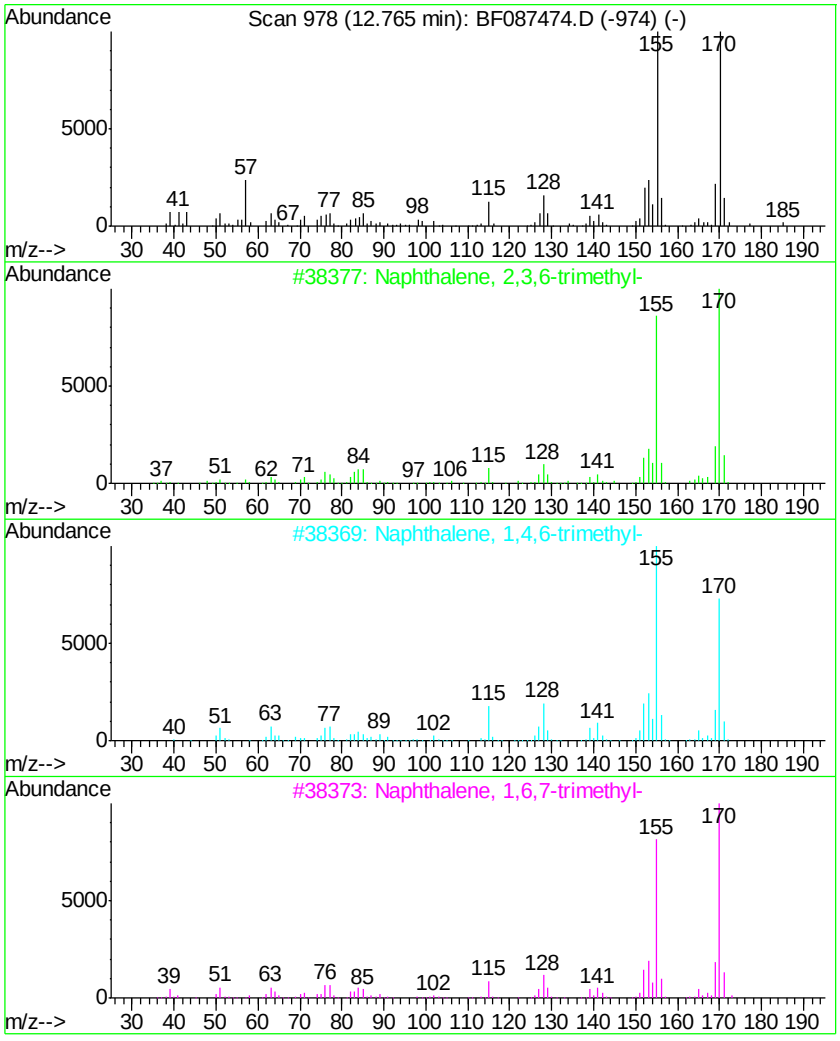
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

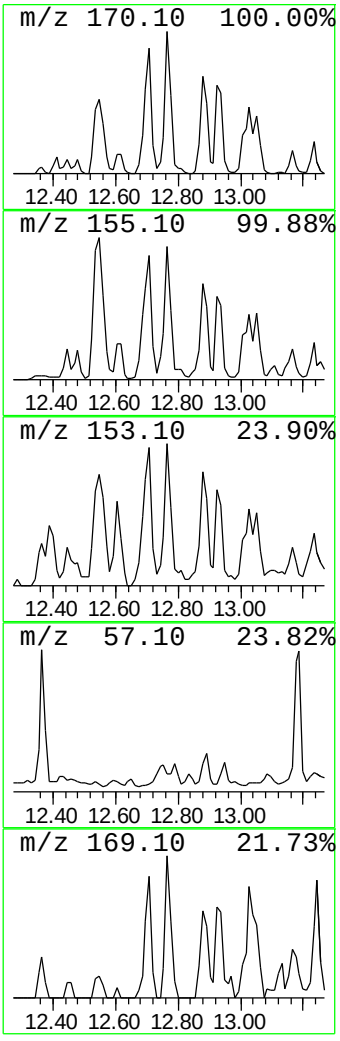
****

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	4.29 ng	383237	Acenaphthene-d10	12.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

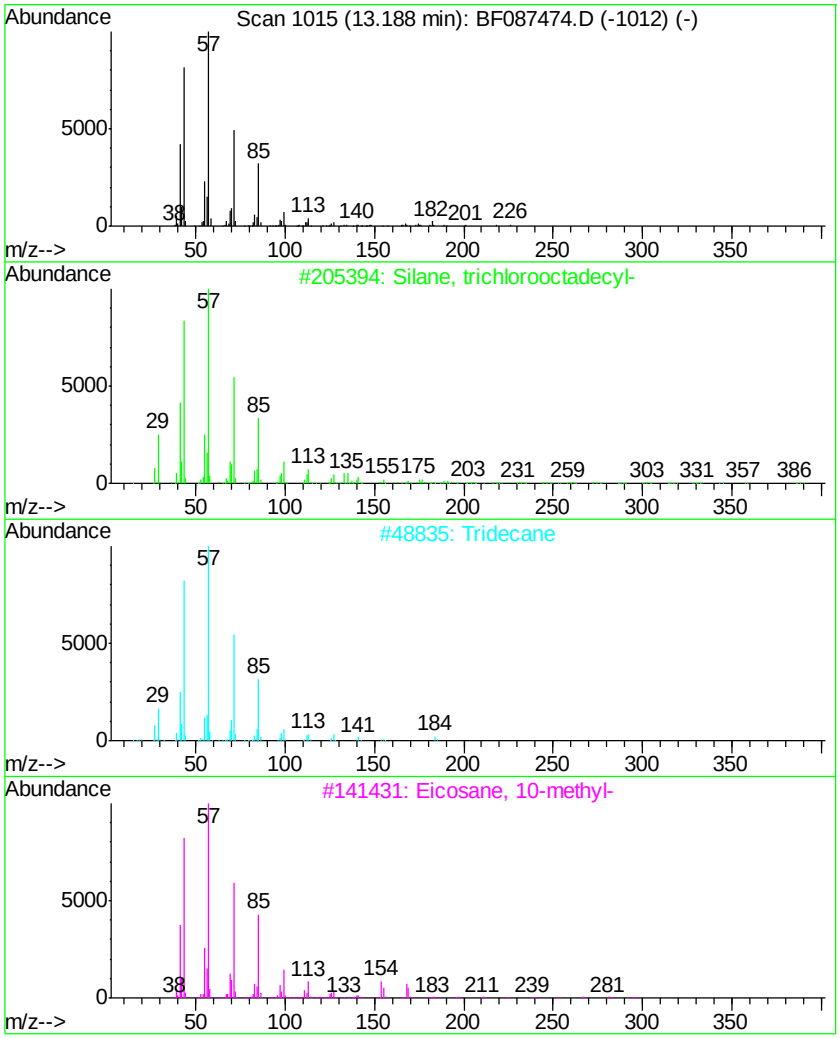
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

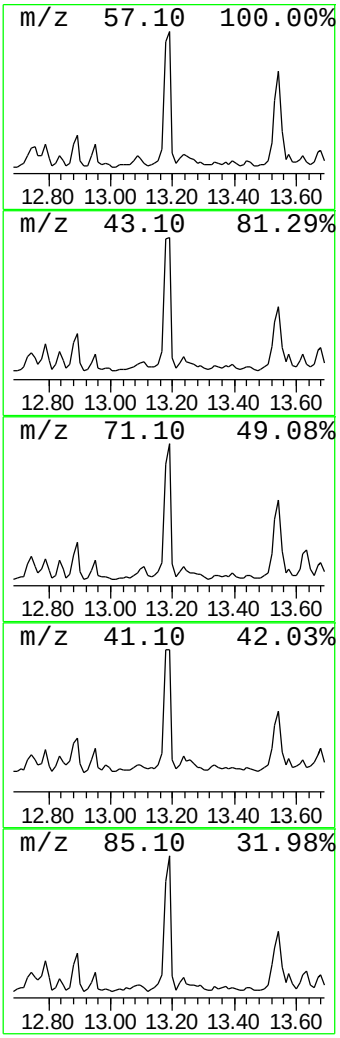
****

Peak Number 14 Silane, trichlorooctadecyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	7.26 ng	648270	Acenaphthene-d10	12.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	90
2	Tridecane	184	C13H28	000629-50-5	90
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
4	Heneicosane	296	C21H44	000629-94-7	86
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

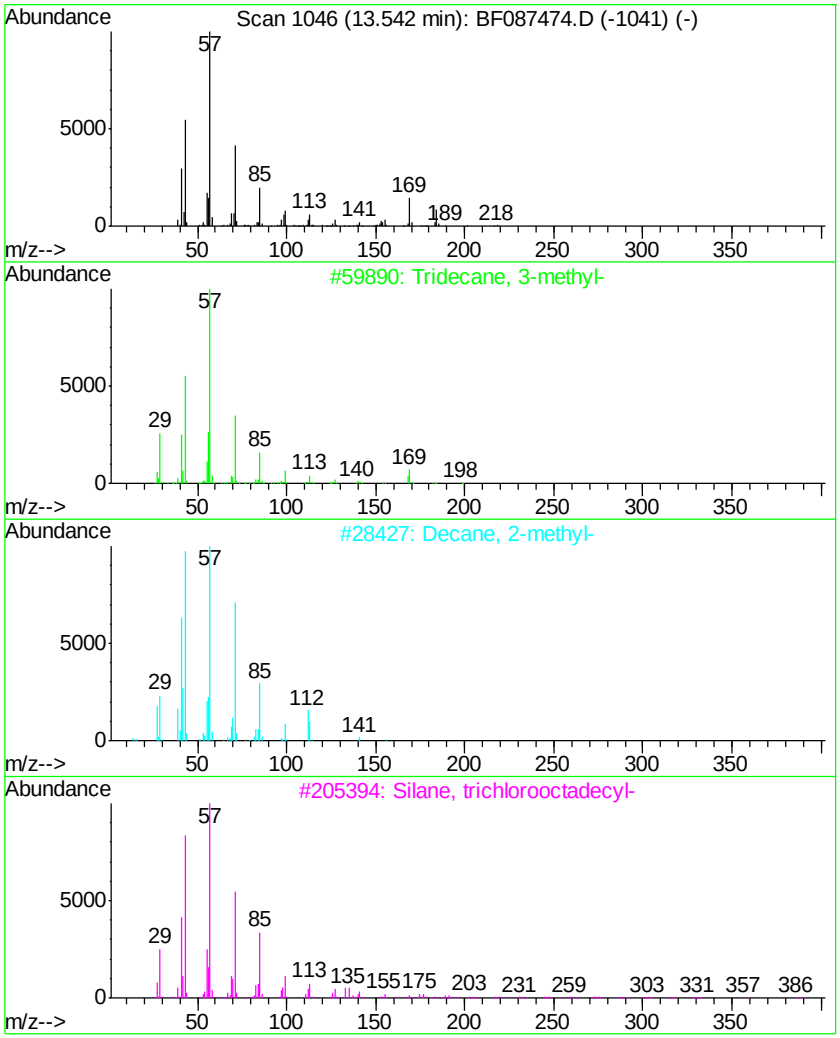
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

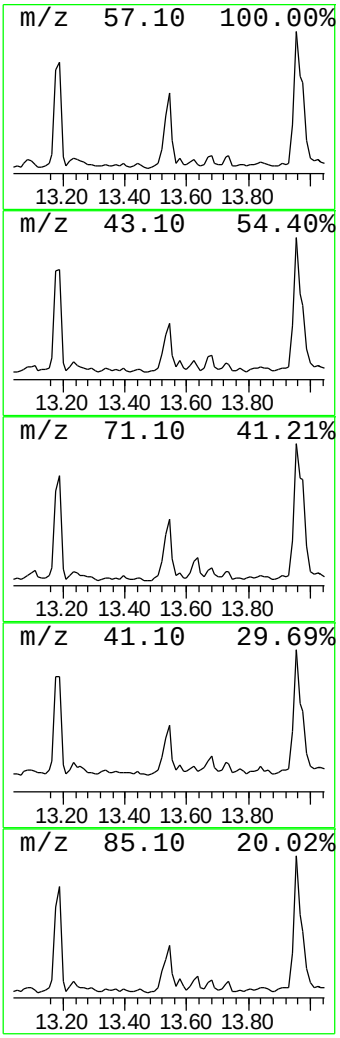
****

Peak Number 15 Tridecane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	7.71 ng	484395	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
2	Decane, 2-methyl-	156	C11H24	006975-98-0	64
3	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	59
4	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	59
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

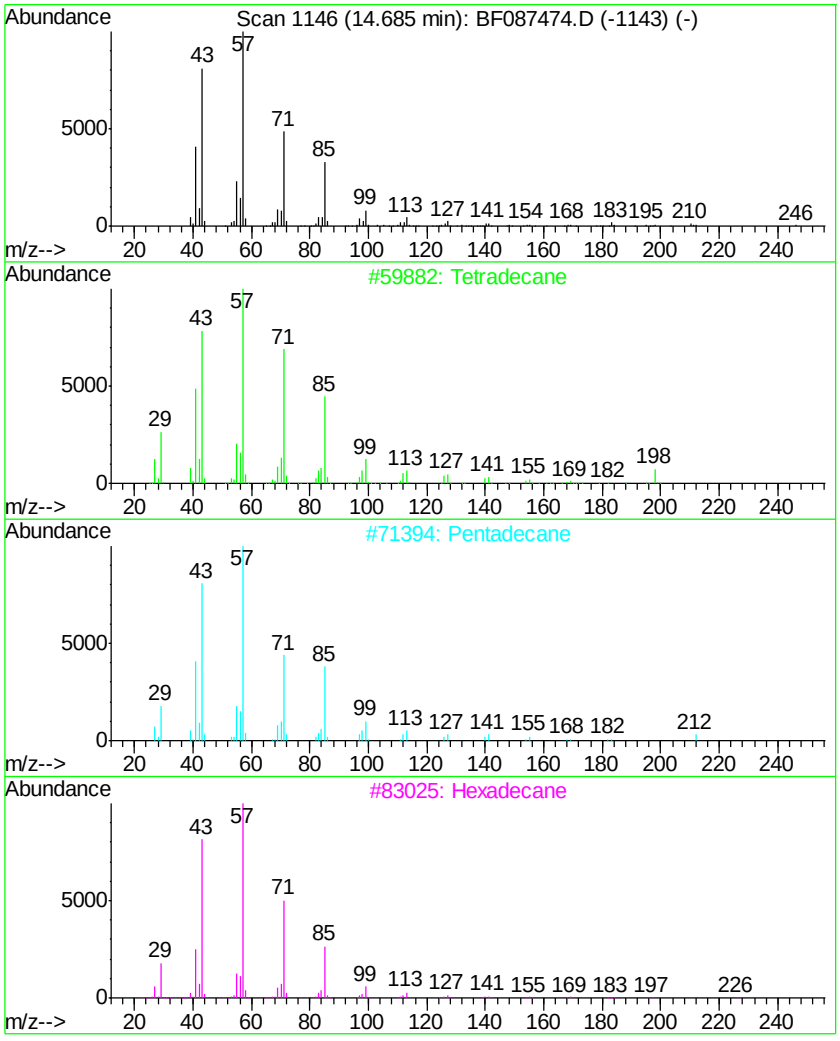
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

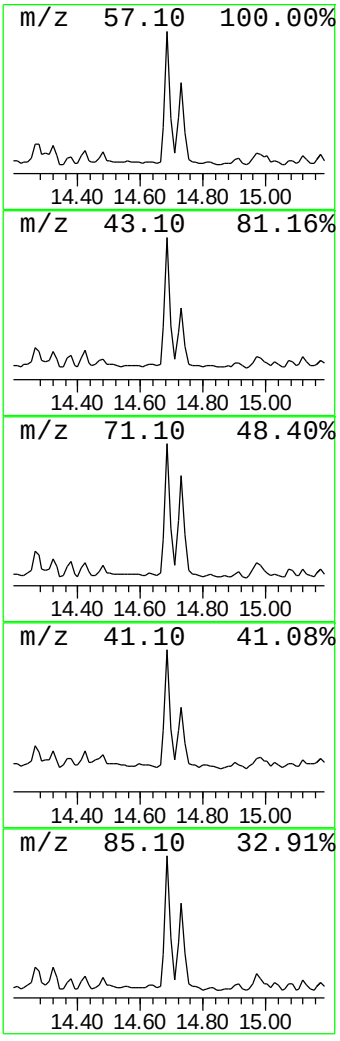
****

Peak Number 17 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	7.56 ng	475406	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Pentadecane	212	C15H32	000629-62-9	94
3	Hexadecane	226	C16H34	000544-76-3	91
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
5	Octadecane	254	C18H38	000593-45-3	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

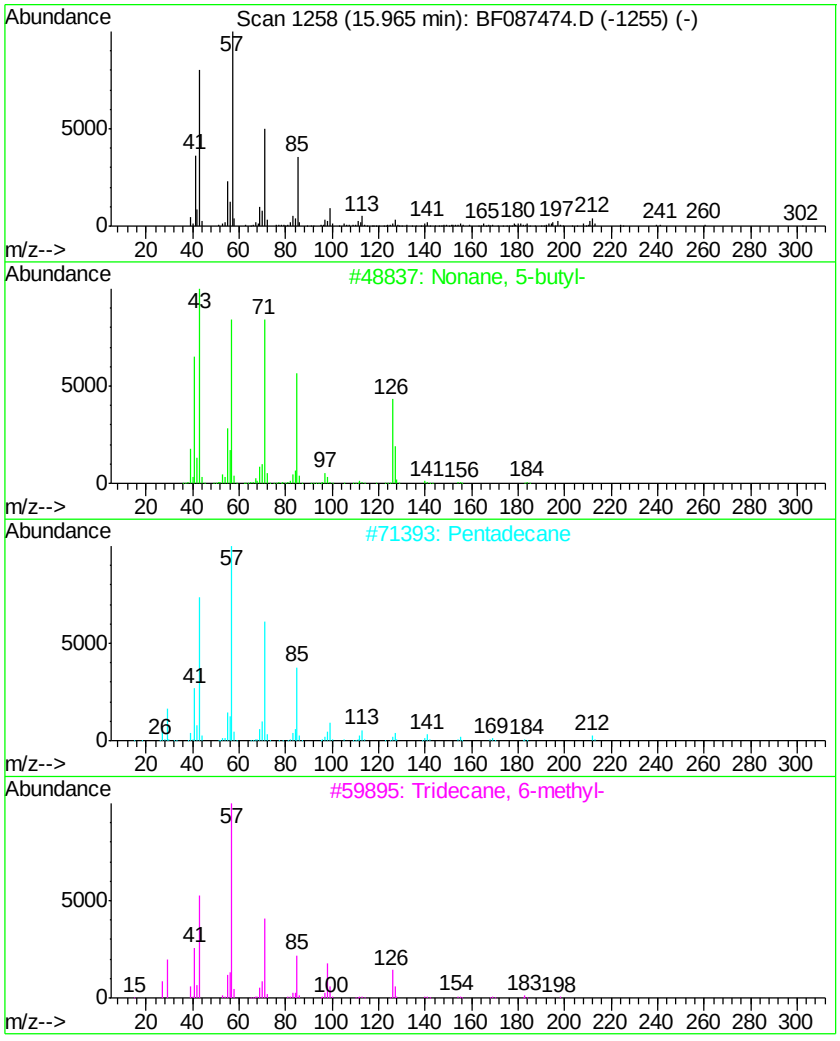
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

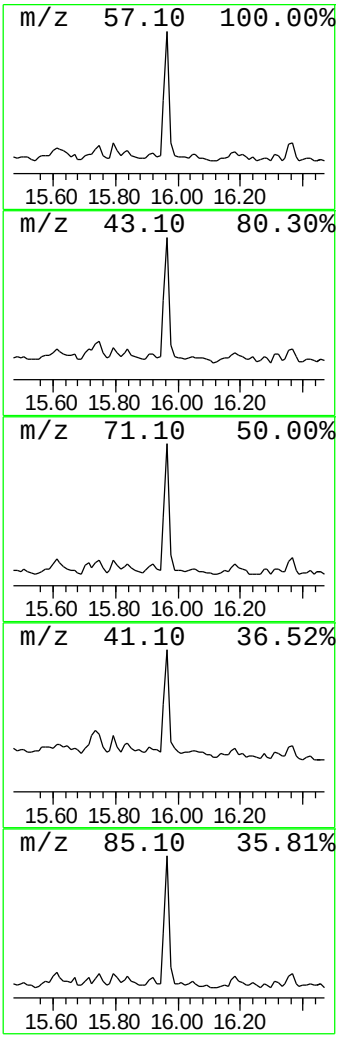
****

Peak Number 19 Nonane, 5-butyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	4.78 ng	300662	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	92
2	Pentadecane	212	C15H32	000629-62-9	91
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	87
4	Hexadecane	226	C16H34	000544-76-3	83
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

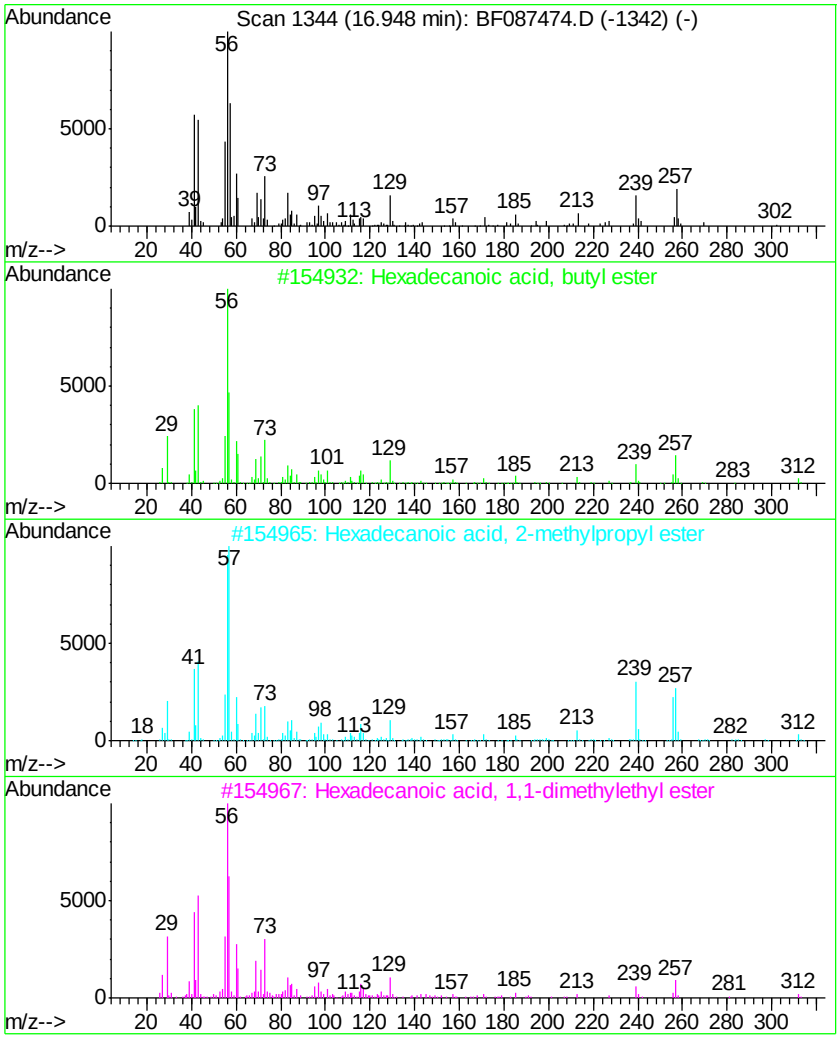
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

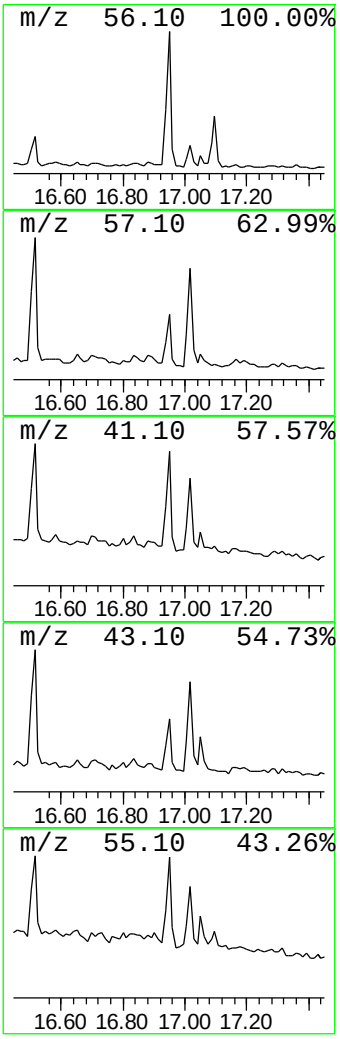
****

Peak Number 20 Hexadecanoic acid, butyl ester Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	4.22 ng	217020	Chrysene-d12	18.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	90
2	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	53
3	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	47
4	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	38
5	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087474.D
Acq On : 28 May 2016 8:54
Operator : UM/SJ
Sample : H3258-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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
2-Pentanone, 4-hy...	4.73	9.6	ng	426577	1	7.48	890926	20.0
unknown7.14	7.14	87.9	ng	3916660	1	7.48	890926	20.0
unknown10.30	10.30	3.5	ng	194809	2	9.51	1108240	20.0
unknown10.58	10.58	5.4	ng	299844	2	9.51	1108240	20.0
Tridecane, 6-methyl-	11.51	5.7	ng	509783	3	12.34	1787100	20.0
Naphthalene, 2,6-...	11.69	4.5	ng	399245	3	12.34	1787100	20.0
Naphthalene, 2,3-...	11.80	4.3	ng	380445	3	12.34	1787100	20.0
Naphthalene, 2,7-...	11.85	3.4	ng	303428	3	12.34	1787100	20.0
Naphthalene, 1,6,...	12.71	4.1	ng	368818	3	12.34	1787100	20.0
Naphthalene, 2,3,...	12.77	4.3	ng	383237	3	12.34	1787100	20.0
Silane, trichloro...	13.19	7.3	ng	648270	3	12.34	1787100	20.0
Tridecane, 3-methyl-	13.54	7.7	ng	484395	4	14.74	1257070	20.0
Tetradecane	14.69	7.6	ng	475406	4	14.74	1257070	20.0
Nonane, 5-butyl-	15.97	4.8	ng	300662	4	14.74	1257070	20.0
Hexadecanoic acid...	16.95	4.2	ng	217020	5	18.45	1027970	20.0