LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079386.D
Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

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-BF043015.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	1.347	12	14	26	rVB3	139682	478451	6.67%	0.622%
2	1.518	26	29	36	rVV	127106	285114	3.98%	0.371%
3	1.621	36	38	46	rVV	430570	727589	10.15%	0.946%
4	1.735	46	48	90	rVB	3627689	7169561	100.00%	9.320%
5	4.833	317	319	326	rVB	191691	284856	3.97%	0.370%
6	5.370	364	366	369	rBV	718956	818353	11.41%	1.064%
7	6.159	432	435	439	rVB3	153094	299597	4.18%	0.389%
8	6.410	451	457	460	rBV5	68149	198415	2.77%	0.258%
9	6.490	460	464	466	rBV2	193423	362848	5.06%	0.472%
10	6.524	466	467	471	rVB2	192067	216188	3.02%	0.281%
11	6.593	471	473	476	rBV2	189531	238112	3.32%	0.310%
12	6.662	476	479	481	rBV	955295	1017903	14.20%	1.323%
13	6.764	486	488	489	rBV	155773	199631	2.78%	0.260%
14	6.799	489	491	493	rVV	1061701	1047836	14.62%	1.362%
15	6.902	498	500	503	rBV	878607	1237393	17.26%	1.609%
16	7.039	508	512	514	rBV5	91054	232287	3.24%	0.302%
17	7.084	514	516	518	rVV	461006	490384	6.84%	0.637%
18	7.130	518	520	521	rVV	400764	398925	5.56%	0.519%
19	7.267	529	532	538	rVB2	741790	1321737	18.44%	1.718%
20	7.404	541	544	546	rVV2	146736	187276	2.61%	0.243%
21	7.439	546	547	550	rVB2	212641	345476	4.82%	0.449%
22	7.496	550	552	553	rBV	418472	425726	5.94%	0.553%
23	7.530	553	555	557	rBV	329549	404103	5.64%	0.525%
24	7.564	557	558	559	rVV	286209	264534	3.69%	0.344%
25	7.587	559	560	563	rVB2	266415	363812	5.07%	0.473%
26	7.759	570	575	576	rBV3	310162	522771	7.29%	0.680%
27	7.782	576	577	579	rVV	685628	614065	8.56%	0.798%
28	7.862	582	584	586	rVV	2080991	2427650	33.86%	3.156%
29	7.896	586	587	589	rVB2	225494	296588	4.14%	0.386%
30	7.987	592	595	598	rVV4	188328	340922	4.76%	0.443%
31	8.079	601	603	607	rVB	745964	735322	10.26%	0.956%
32	8.216	611	615	618	rBV3	696189	1004011	14.00%	1.305%
33	8.262	618	619	621	rVV2	148875	207151	2.89%	0.269%
34	8.319	621	624	625	rVV	258964	348500	4.86%	0.453%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
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Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.353	625	627	629	rVV2	544912	619258	8.64%	0.805%
36	8.399	629	631	634	rVB2	742643	777614	10.85%	1.011%
37	8.467	634	637	639	rBV2	406617	872566	12.17%	1.134%
38	8.547	641	644	646	rBV2	179239	295567	4.12%	0.384%
39	8.685	648	656	659	rBV2	2457214	4572399	63.78%	5.944%
40	8.730	659	660	663	rVV2	264949	328507	4.58%	0.427%
41	8.787	663	665	668	rVV	797360	975516	13.61%	1.268%
42	8.913	674	676	680	rBV3	370412	562025	7.84%	0.731%
43	9.027	683	686	687	rVV2	163774	370066	5.16%	0.481%
44	9.050	687	688	689	rVV	393722	366013	5.11%	0.476%
45	9.096	689	692	693	rVV2	288762	458484	6.39%	0.596%
46	9.130	693	695	698	rVV3	362946	606969	8.47%	0.789%
47	9.176	698	699	702	rVV2	505413	477935	6.67%	0.621%
48	9.233	702	704	707	rVV2	1274238	1441339	20.10%	1.874%
49	9.302	707	710	711	rVV2	417411	578470	8.07%	0.752%
50	9.348	711	714	717	rVV5	123587	283750	3.96%	0.369%
51	9.450	720	723	724	rVV	2338483	3031549	42.28%	3.941%
52	9.485	724	726	728	rVV3	352722	565677	7.89%	0.735%
53	9.553	728	732	734	rVB4	186157	549406	7.66%	0.714%
54	9.668	739	742	743	rVV3	206336	308221	4.30%	0.401%
55	9.702	743	745	747	rVV2	416054	699738	9.76%	0.910%
56	9.816	749	755	756	rVV4	443739	824909	11.51%	1.072%
57	9.850	756	758	760	rVV2	274690	505744	7.05%	0.657%
58	9.896	760	762	764	rVV	507377	480145	6.70%	0.624%
59	9.942	764	766	767	rVV2	253027	360181	5.02%	0.468%
60	9.976	767	769	771	rVV2	873147	1002925	13.99%	1.304%
61	10.010	771	772	777	rVB	1073492	1089384	15.19%	1.416%
62	10.090	777	779	781	rBV2	279539	362028	5.05%	0.471%
63	10.148	781	784	787	rVV	2607485	2653120	37.01%	3.449%
64	10.193	787	788	790	rVV2	328494	382702	5.34%	0.497%
65	10.228	790	791	794	rVV3	211061	247241	3.45%	0.321%
66	10.330	798	800	803	rBV3	231430	426116	5.94%	0.554%
67	10.422	803	808	809	rVV5	172648	427641	5.96%	0.556%
68	10.468	809	812	815	rVV4	286893	676565	9.44%	0.880%
69	10.548	815	819	820	rVV2	643134	1341831	18.72%	1.744%
70	10.673	827	830	831	rVB3	133996	203983	2.85%	0.265%
71	10.719	831	834	836	rBV4	131916	307016	4.28%	0.399%

LSC Area Percent Report

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Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.810	840	842	843	rVV	1522152	1946641	27.15%	2.531%
73	10.833	843	844	848	rVB	792311	806445	11.25%	1.048%
74	11.096	862	867	868	rBV2	266212	539949	7.53%	0.702%
75	11.131	868	870	872	rVV4	172826	307196	4.28%	0.399%
76	11.199	874	876	878	rVV	386207	472977	6.60%	0.615%
77	11.245	878	880	884	rVB3	230478	434104	6.05%	0.564%
78	11.428	893	896	898	rVB	1689512	1492765	20.82%	1.941%
79	11.553	905	907	910	rBV3	105573	189613	2.64%	0.246%
80	11.702	916	920	924	rBV	507527	790751	11.03%	1.028%
81	11.816	927	930	934	rBV3	602502	1078016	15.04%	1.401%
82	12.022	945	948	952	rBV	1061321	1875060	26.15%	2.438%
83	12.571	994	996	998	rBV	820272	1016493	14.18%	1.321%
84	12.605	998	999	1002	rVB	322990	412010	5.75%	0.536%
85	12.674	1002	1005	1006	rBV	627257	670430	9.35%	0.872%
86	12.799	1014	1016	1022	rVB5	76707	202486	2.82%	0.263%
87	12.971	1028	1031	1036	rBV3	188987	356565	4.97%	0.464%
88	13.108	1040	1043	1046	rBV	854711	826915	11.53%	1.075%
89	13.336	1057	1063	1067	rBV5	99613	404187	5.64%	0.525%
90	13.611	1085	1087	1090	rVB	424521	587879	8.20%	0.764%
91	14.102	1128	1130	1132	rVB	462793	428370	5.97%	0.557%
92	14.171	1134	1136	1139	rVB	198203	237900	3.32%	0.309%
93	14.457	1158	1161	1163	rBV	198519	250588	3.50%	0.326%
94	14.548	1166	1169	1173	rVV	1507369	2401751	33.50%	3.122%
95	14.662	1177	1179	1182	rBV	833204	1169946	16.32%	1.521%
96	15.017	1208	1210	1212	rVB	179427	197935	2.76%	0.257%
97	15.965	1290	1293	1298	rVV2	685571	971484	13.55%	1.263%
98	17.291	1407	1409	1411	rBV	159962	270023	3.77%	0.351%
99	17.760	1448	1450	1453	rBV	496406	638698	8.91%	0.830%
100	18.834	1542	1544	1550	rVB	228949	402538	5.61%	0.523%

Sum of corrected areas: 76925402

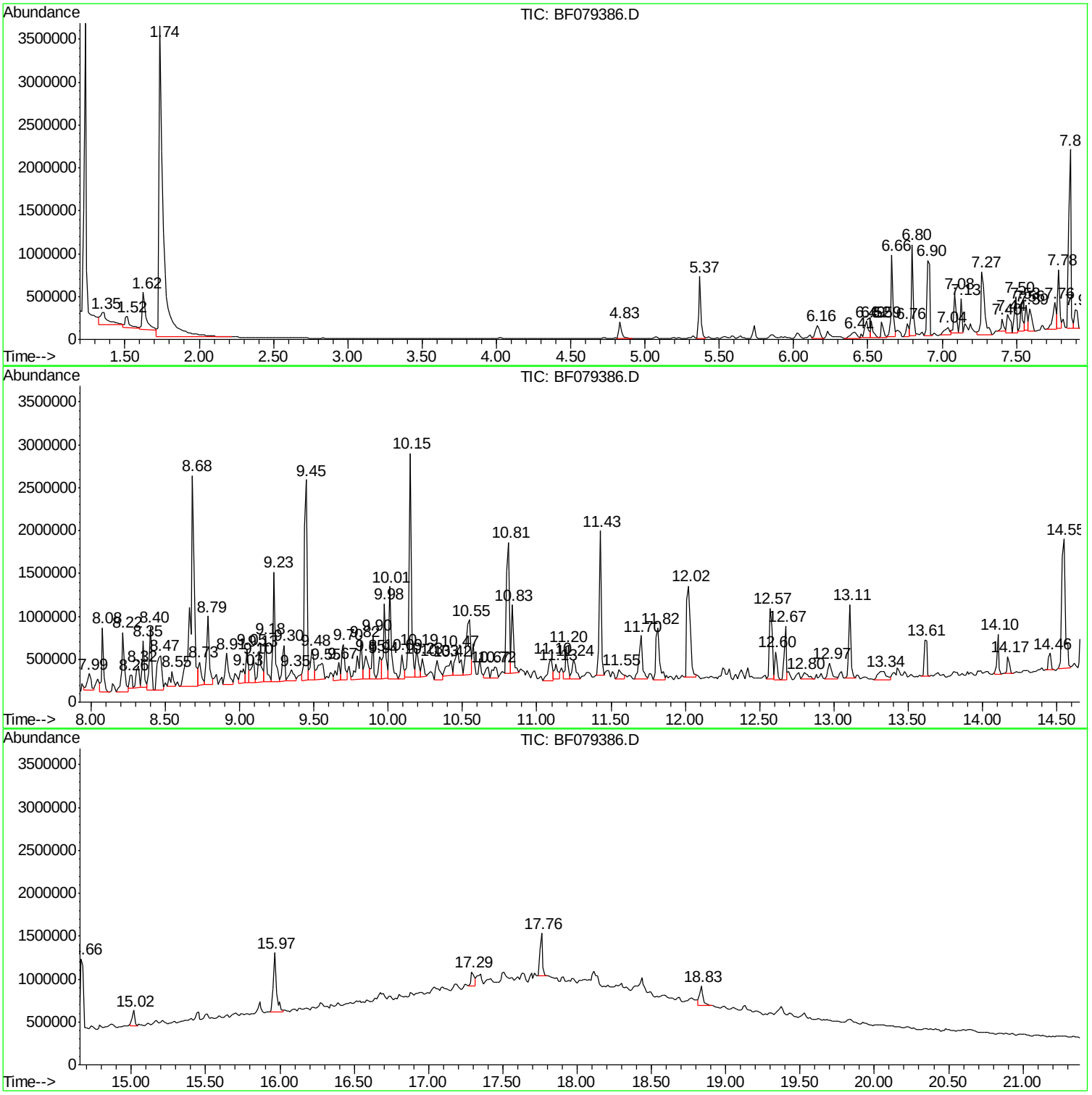
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079386.D
Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SB03A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079386.D
Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

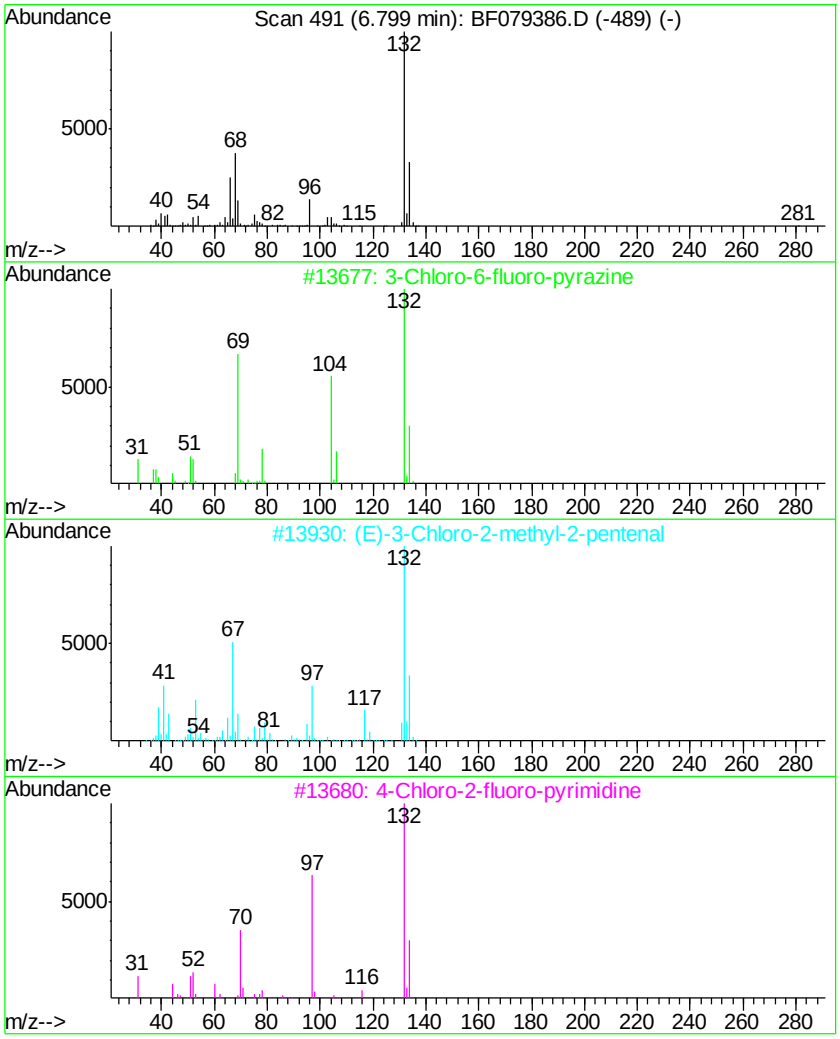
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

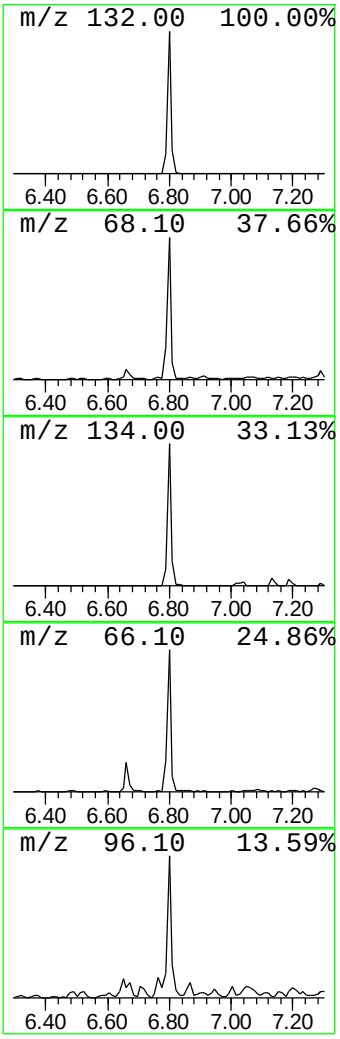
****

Peak Number 4 unknown6.80 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	42.74 ng	1047840	1,4-Dichlorobenzene-d4	7.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
Data File : BF079386.D
Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

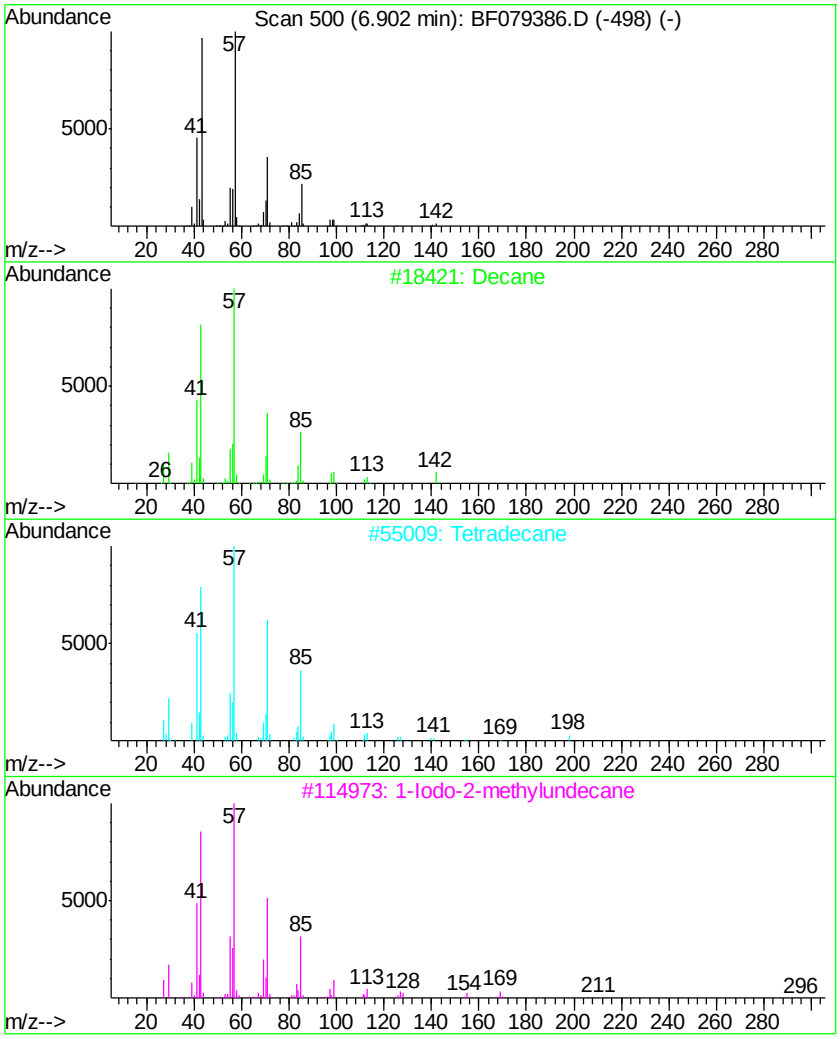
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

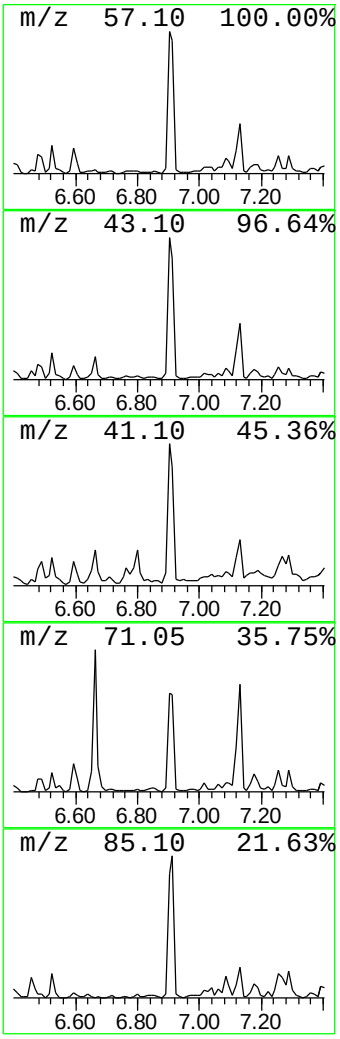
****

Peak Number 5 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	50.47 ng	1237390	1,4-Dichlorobenzene-d4	7.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Tetradecane	198	C14H30	000629-59-4	90
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	83
4	Undecane	156	C11H24	001120-21-4	83
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83





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Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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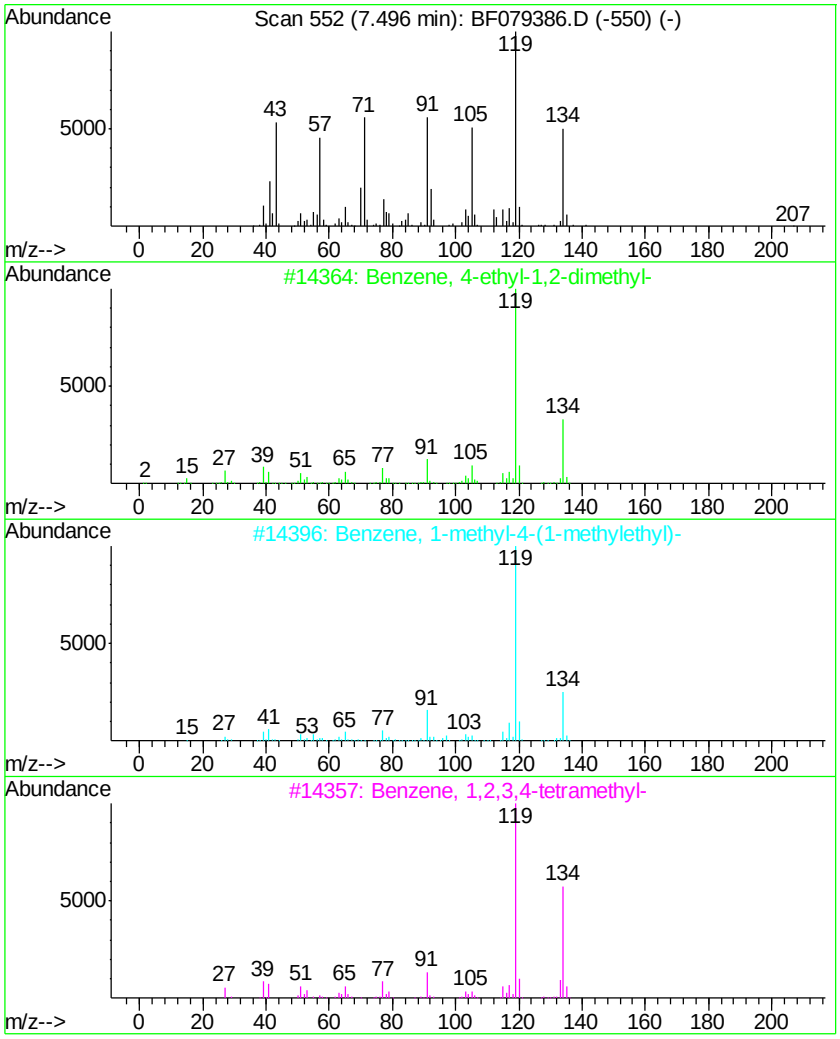
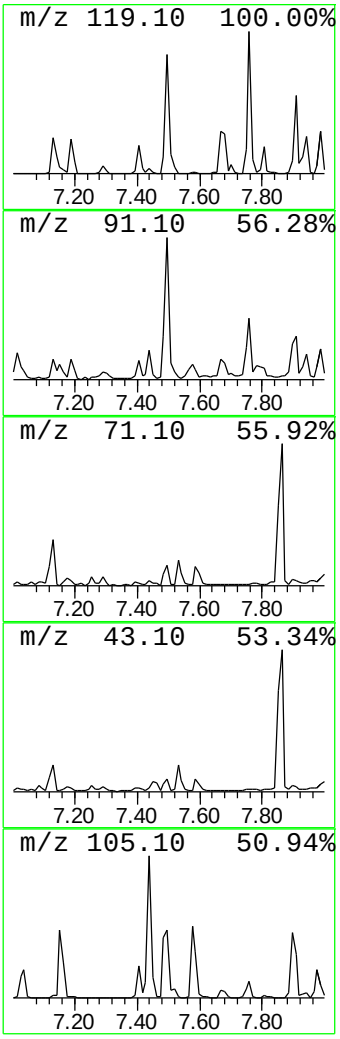
Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	17.36 ng	425726	1,4-Dichlorobenzene-d4	7.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	78
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60





Data Path : Z:\HPCHEM1\BNA F\Data\BF052015\
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Acq On : 20 May 2015 19:00
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Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

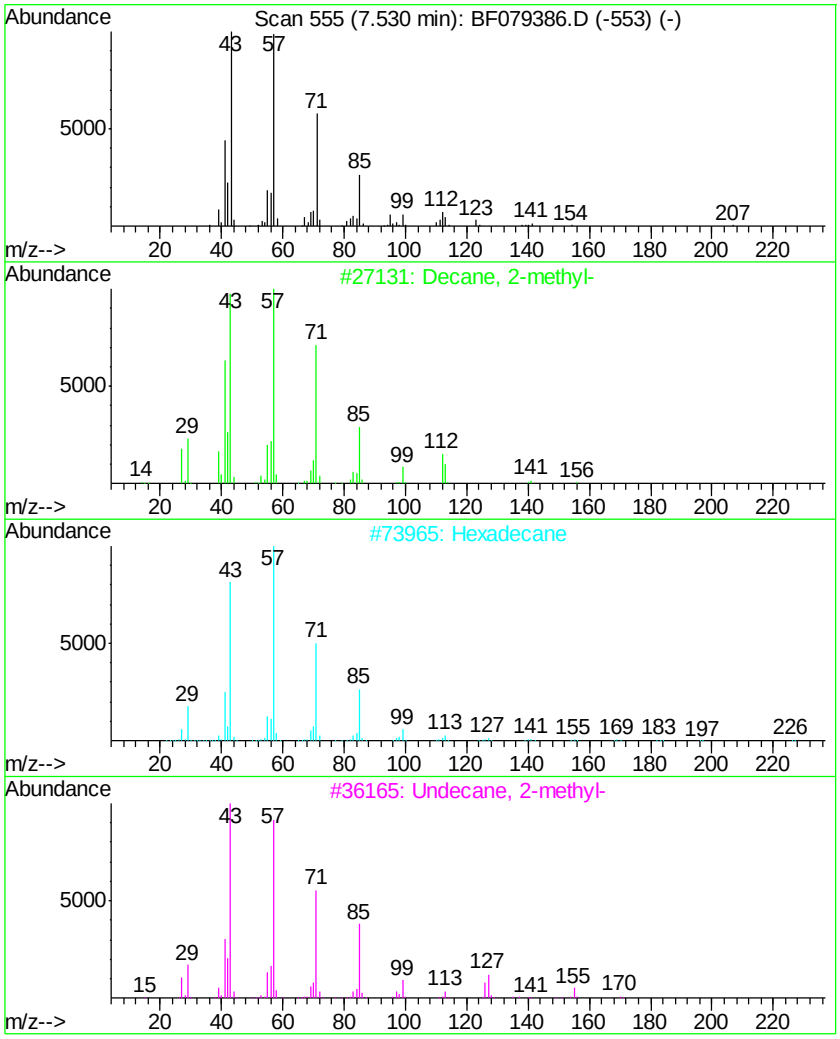
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

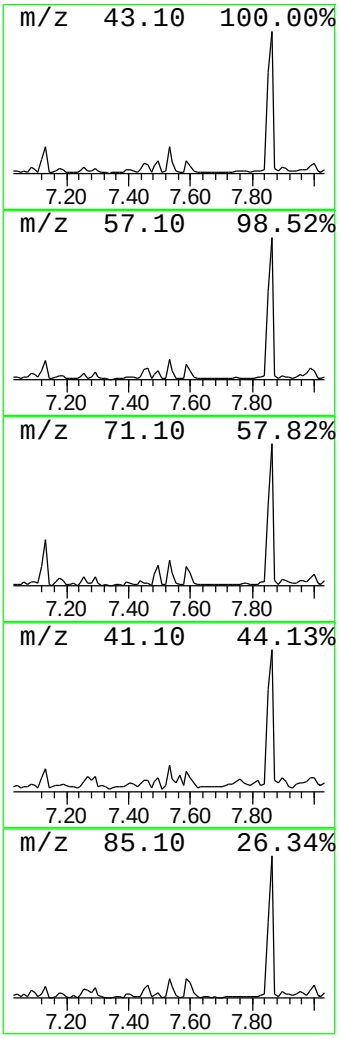
****

Peak Number 8 Decane, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	16.48 ng	404103	1,4-Dichlorobenzene-d4	7.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	72
2	Hexadecane	226	C16H34	000544-76-3	72
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
4	Dodecane	170	C12H26	000112-40-3	64
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64





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Data File : BF079386.D
Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

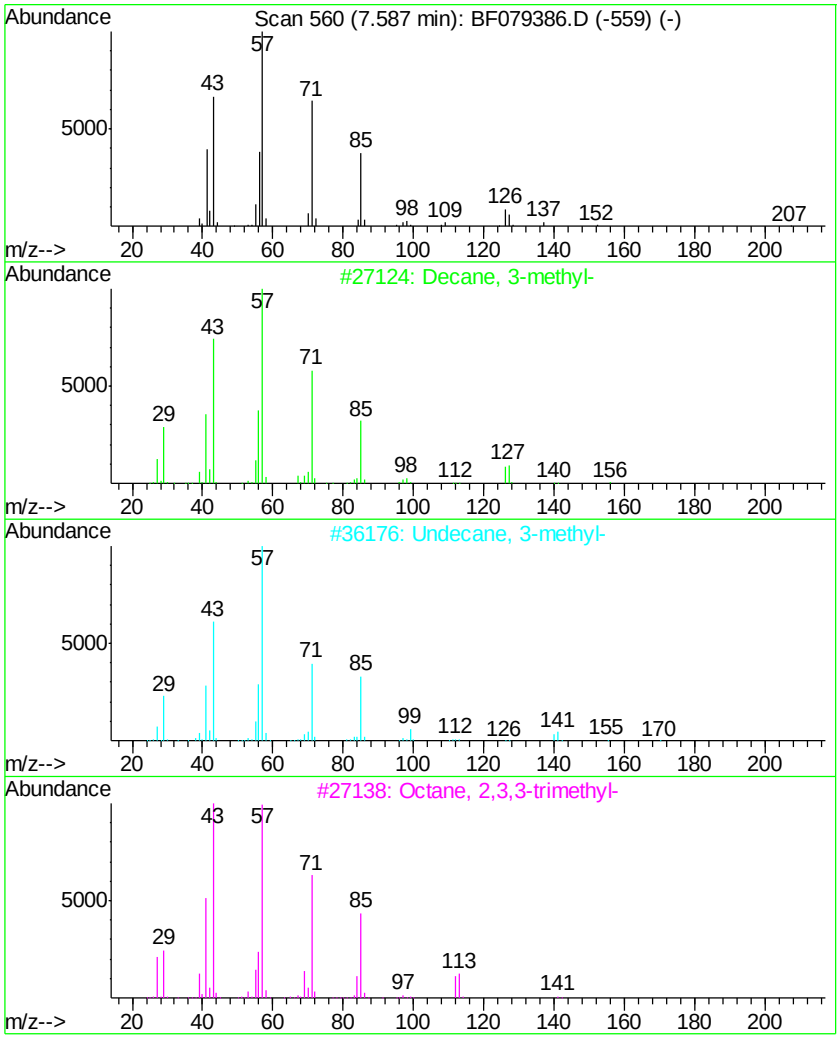
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

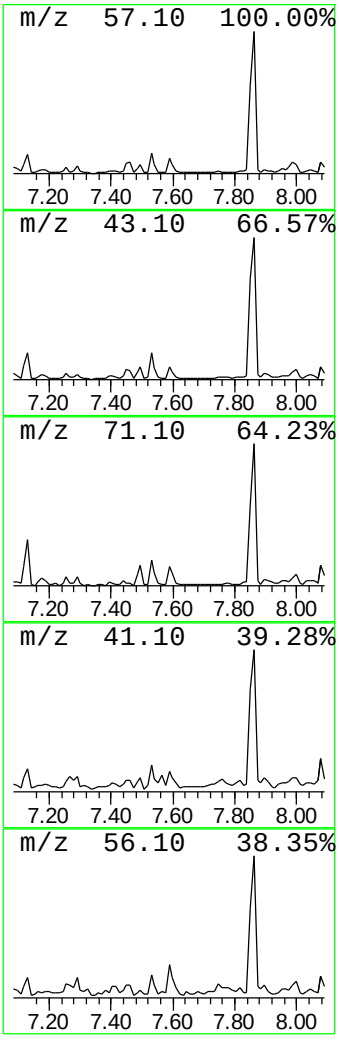
****

Peak Number 9 Decane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	14.84 ng	363812	1,4-Dichlorobenzene-d4	7.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	78
3	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	59
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	50





Library Search Compound Report

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Operator : TP/IZ
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

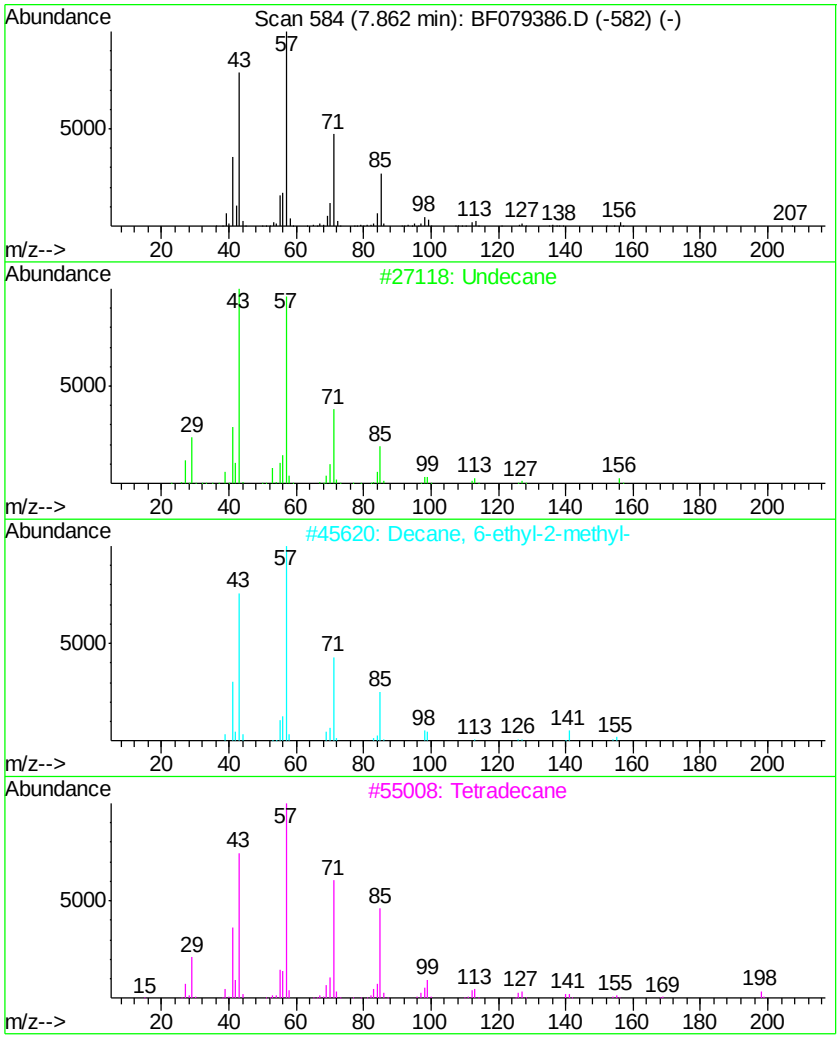
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

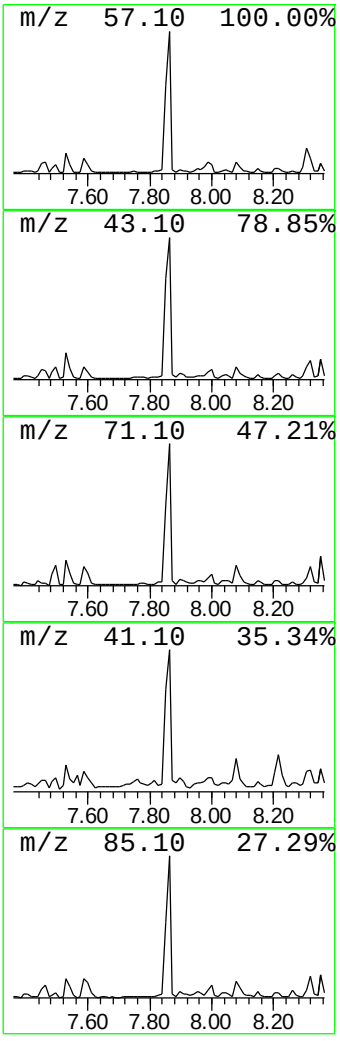
****

Peak Number 10 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	99.01 ng	2427650	1,4-Dichlorobenzene-d4	7.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	83
3	Tetradecane	198	C14H30	000629-59-4	83
4	Tridecane	184	C13H28	000629-50-5	83
5	Decane, 2-methyl-	156	C11H24	006975-98-0	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF052015\
Data File : BF079386.D
Acq On : 20 May 2015 19:00
Operator : TP/IZ
Sample : G2299-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB03A(2.5-3.0)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown6.80	6.80	42.7	ng	1047840	1	7.08	490384	20.0
Decane	6.90	50.5	ng	1237390	1	7.08	490384	20.0
Benzene, 4-ethyl-...	7.50	17.4	ng	425726	1	7.08	490384	20.0
Decane, 2-methyl-	7.53	16.5	ng	404103	1	7.08	490384	20.0
Decane, 3-methyl-	7.59	14.8	ng	363812	1	7.08	490384	20.0
Undecane	7.86	99.0	ng	2427650	1	7.08	490384	20.0