LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020998.D
Acq On : 20 Feb 2016 8:03
Operator : SJ/UM
Sample : H1520-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40052+15(0-2)

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_G\METHODS\8270-BG021116.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	3.090	38	43	57	rVB	398162	531548	43.00%	6.541%
2	3.243	63	69	78	rBV	23302	42255	3.42%	0.520%
3	5.316	415	422	429	rBV	58792	88064	7.12%	1.084%
4	5.792	496	503	514	rVB	269574	427091	34.55%	5.255%
5	7.408	770	778	786	rBV	307849	525638	42.52%	6.468%
6	7.790	835	843	851	rBV	314088	531880	43.02%	6.545%
7	8.260	916	923	930	rBV	58342	96745	7.83%	1.190%
8	8.589	971	979	988	rVB	215281	376557	30.46%	4.634%
9	9.429	1115	1122	1130	rBV	187974	329753	26.67%	4.058%
10	11.085	1396	1404	1409	rBV	101261	183037	14.81%	2.252%
11	11.132	1409	1412	1420	rVB	60569	100969	8.17%	1.242%
12	12.724	1676	1683	1688	rBV	9359	14762	1.19%	0.182%
13	13.499	1807	1815	1823	rBV	626947	939069	75.96%	11.555%
14	14.310	1947	1953	1960	rBV	99357	142498	11.53%	1.753%
15	14.739	2019	2026	2031	rBV2	21476	26390	2.13%	0.325%
16	14.874	2042	2049	2055	rBV2	189420	301026	24.35%	3.704%
17	14.933	2055	2059	2064	rVB	20329	30608	2.48%	0.377%
18	15.268	2111	2116	2124	rVB2	15476	28767	2.33%	0.354%
19	15.685	2183	2187	2192	rVB	28584	34794	2.81%	0.428%
20	15.914	2220	2226	2231	rVB	15574	25395	2.05%	0.312%
21	16.090	2248	2256	2260	rBV6	7234	15040	1.22%	0.185%
22	16.354	2294	2301	2308	rVB2	452285	689889	55.81%	8.489%
23	16.542	2328	2333	2336	rBV	26761	36752	2.97%	0.452%
24	17.330	2461	2467	2471	rBV	14912	18953	1.53%	0.233%
25	17.606	2508	2514	2519	rBV2	218301	349820	28.30%	4.305%
26	17.647	2519	2521	2527	rVB	49020	62281	5.04%	0.766%
27	17.800	2542	2547	2552	rVB2	10679	15452	1.25%	0.190%
28	18.005	2573	2582	2589	rVB	66242	105054	8.50%	1.293%
29	19.638	2856	2860	2867	rVB	22007	28979	2.34%	0.357%
30	19.997	2917	2921	2928	rVB	15644	22386	1.81%	0.275%
31	20.185	2947	2953	2959	rBV	948366	1236245	100.00%	15.212%
32	21.489	3170	3175	3181	rBV3	14643	23469	1.90%	0.289%
33	21.882	3235	3242	3248	rBV	227779	384475	31.10%	4.731%
34	25.254	3805	3816	3827	rBV2	126670	361151	29.21%	4.444%

LSC Area Percent Report

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Data File : BG020998.D
Acq On : 20 Feb 2016 8:03
Operator : SJ/UM
Sample : H1520-15
Misc :
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Instrument : BNA_G
ClientSampleId : 40052+15(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 8126792

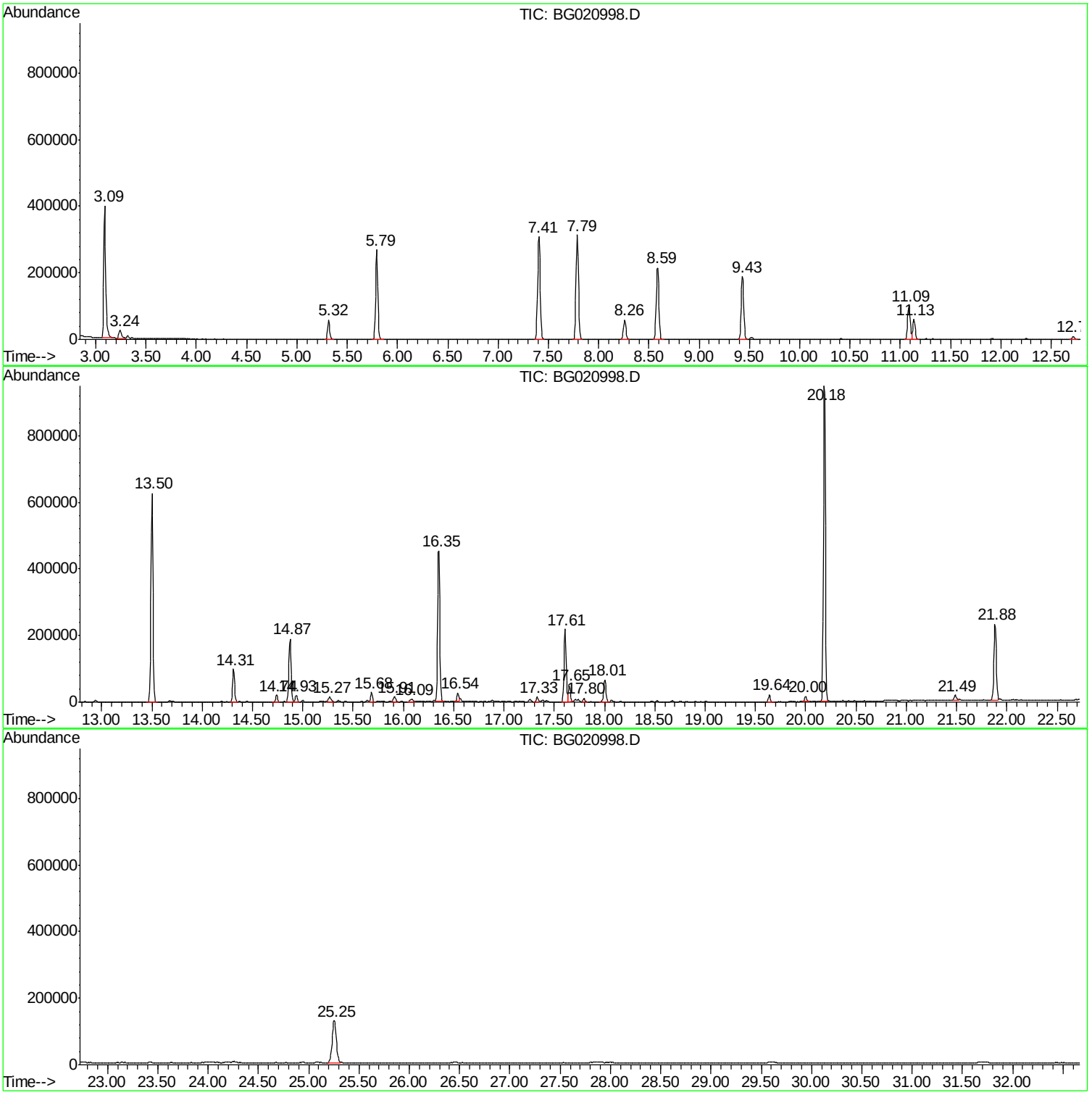
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020998.D
Acq On : 20 Feb 2016 8:03
Operator : SJ/UM
Sample : H1520-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40052+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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 G\DATA\BG021916\
Data File : BG020998.D
Acq On : 20 Feb 2016 8:03
Operator : SJ/UM
Sample : H1520-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40052+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

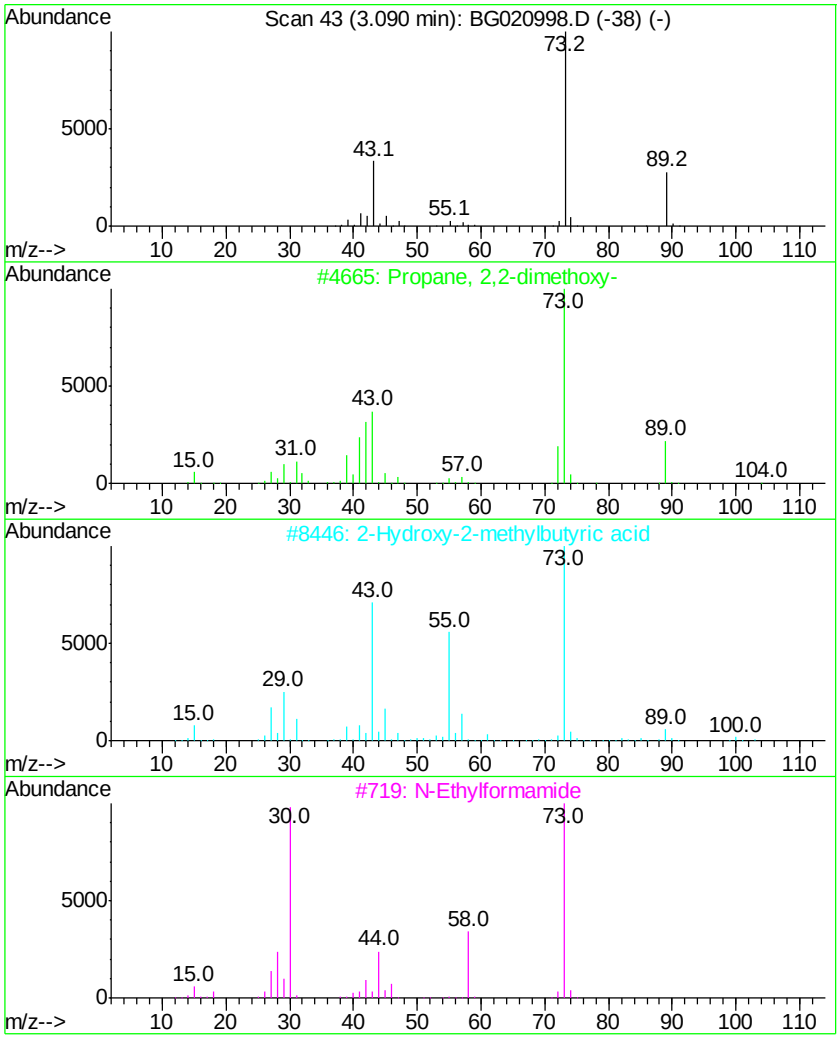
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

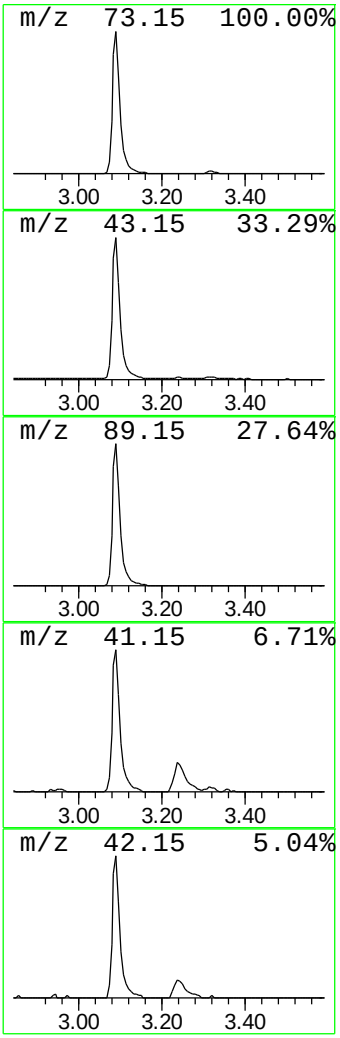
****

Peak Number 1 unknown3.09 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	109.89 ng	531548	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	45
2	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	7
4	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	7
5	1,3,5-Trioxane	90	C3H6O3	000110-88-3	4





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020998.D
Acq On : 20 Feb 2016 8:03
Operator : SJ/UM
Sample : H1520-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40052+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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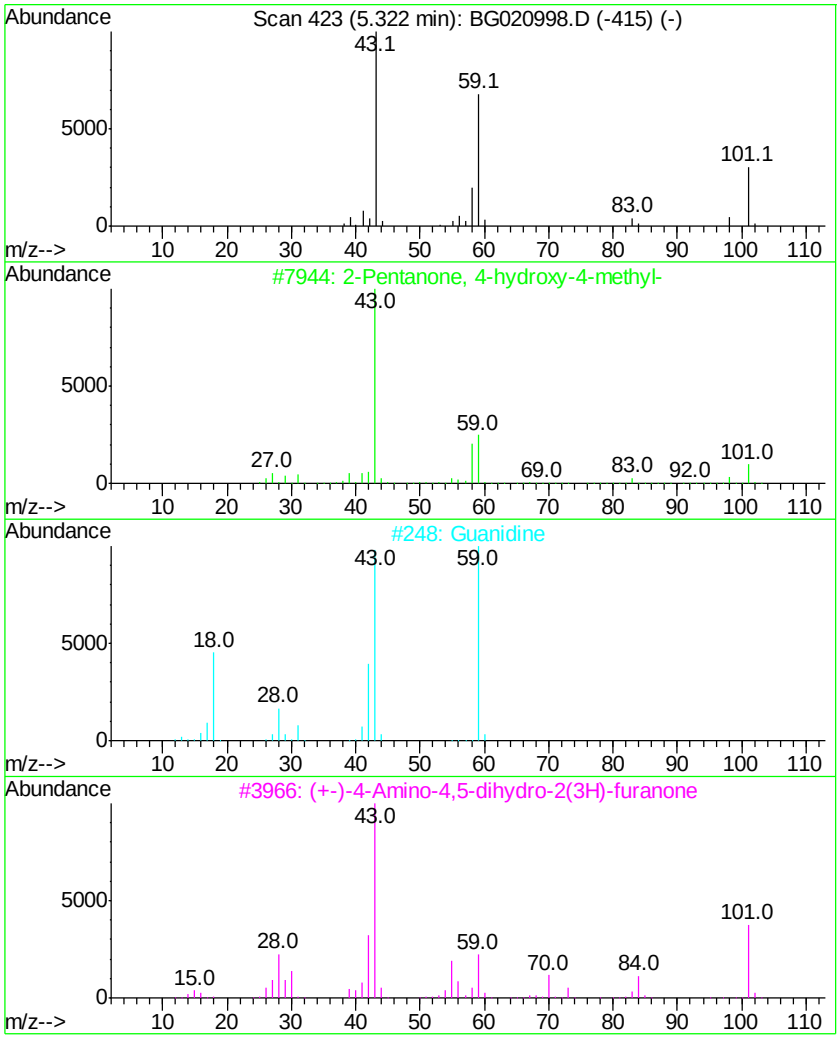
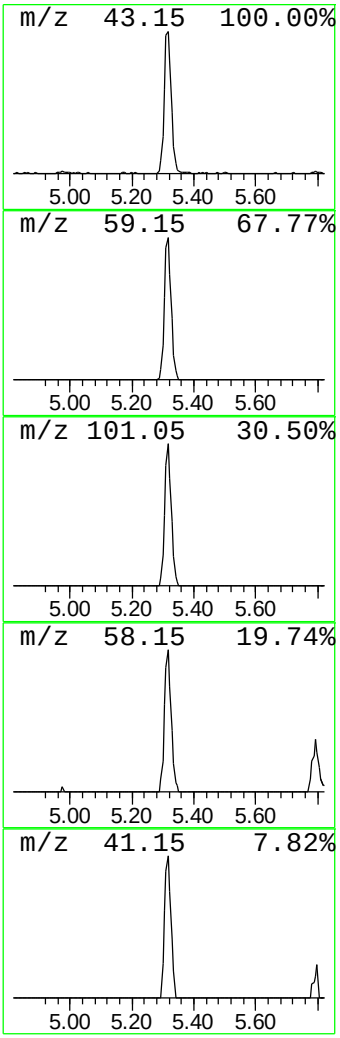
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	18.21 ng	88064	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Guanidine	59	CH5N3	000113-00-8	38
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	37
4	5-Ethyl-3-methylhept-1-en-4-ol	156	C10H20O	286424-80-4	25
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020998.D
Acq On : 20 Feb 2016 8:03
Operator : SJ/UM
Sample : H1520-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40052+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

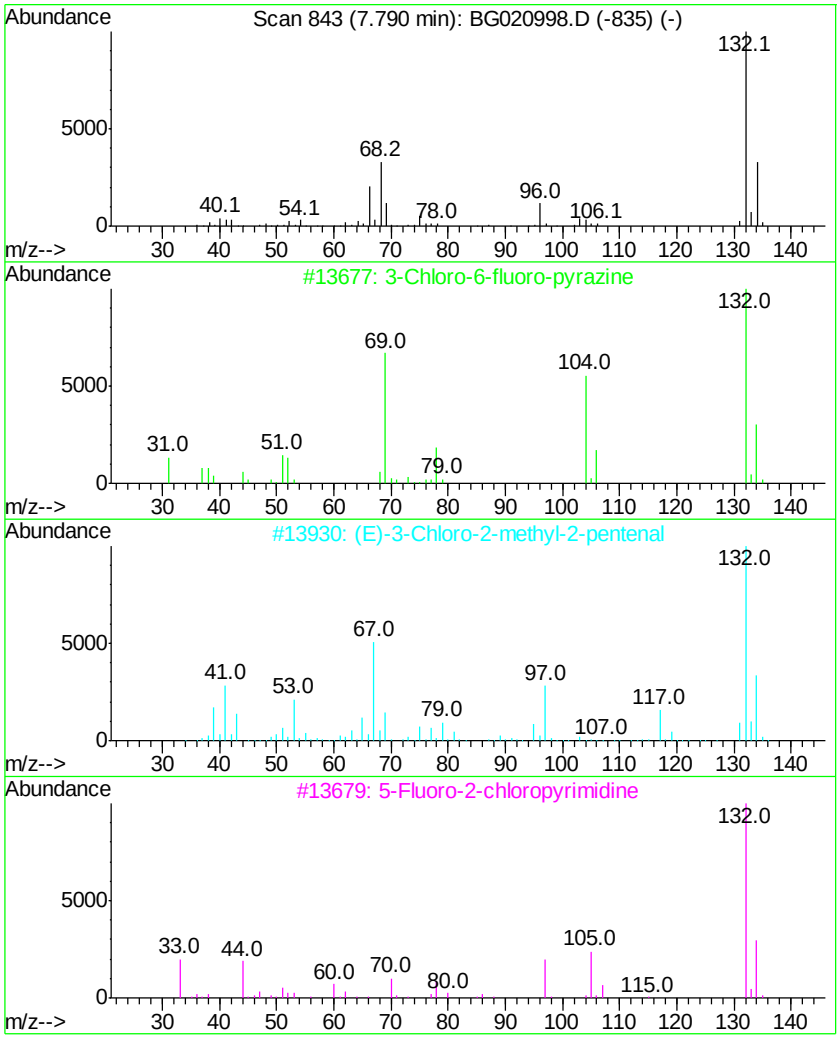
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

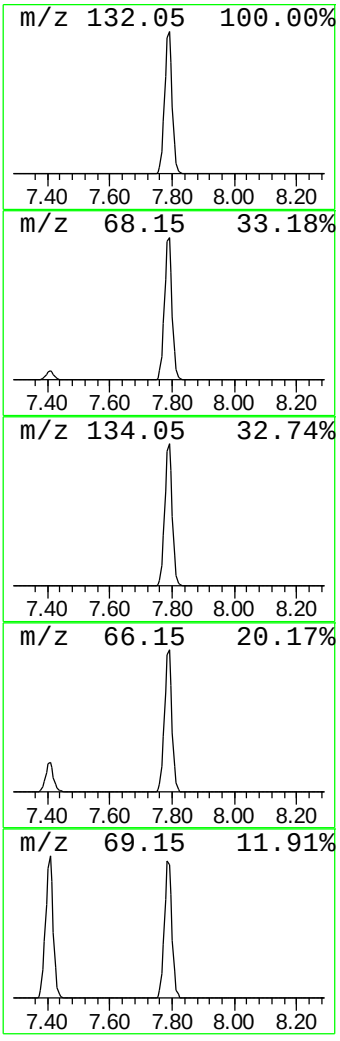
****

Peak Number 4 unknown7.79 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	109.96 ng	531880	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Acq On : 20 Feb 2016 8:03
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Sample : H1520-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40052+15(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
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TIC Library : C:\DATABASE\NIST02.L
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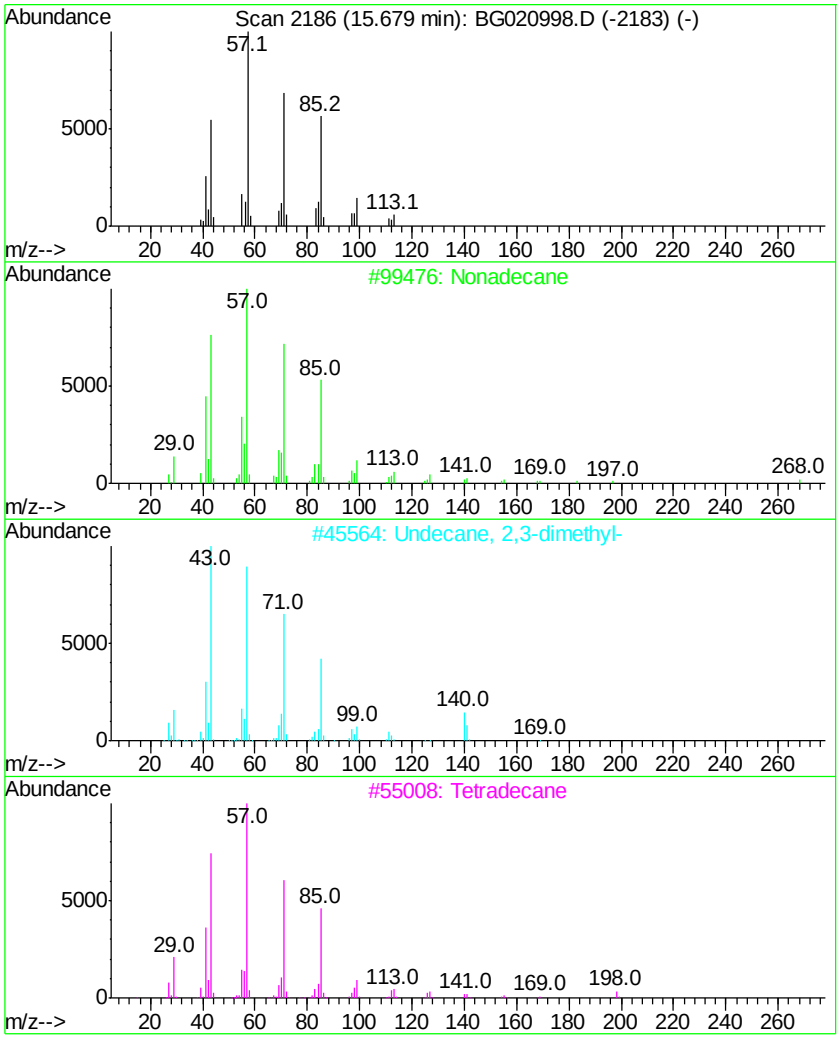
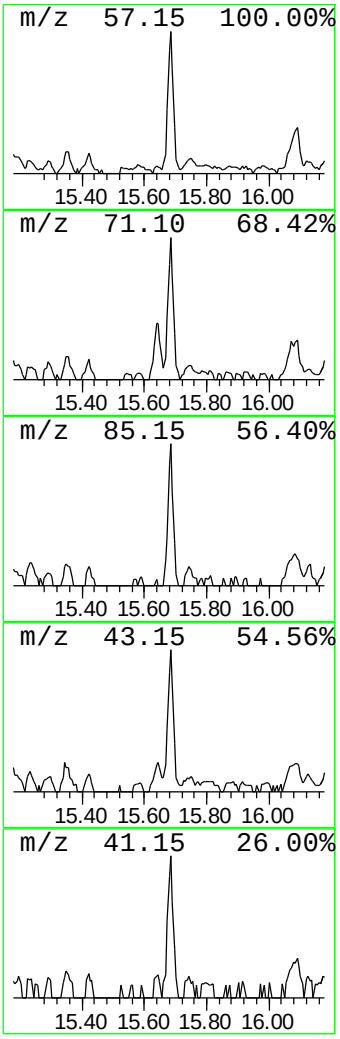
Peak Number 7 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.31 ng	34794	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Hexadecane	226	C16H34	000544-76-3	83
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78





Library Search Compound Report

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Sample : H1520-15
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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
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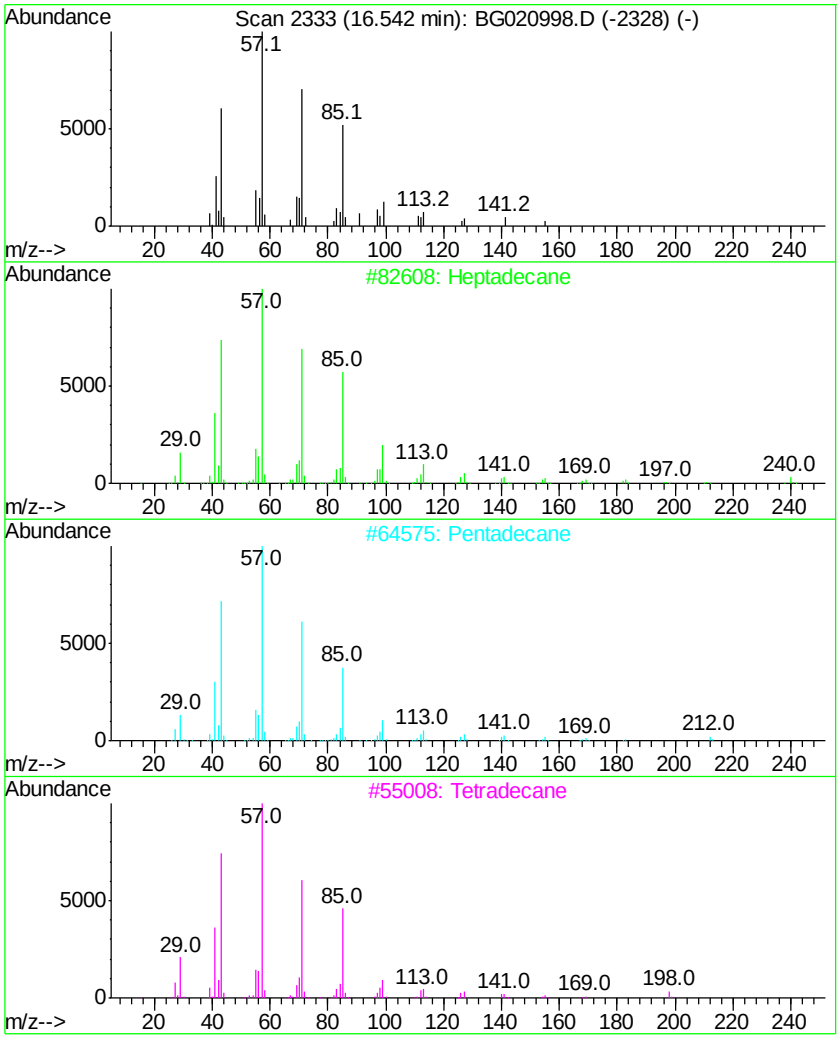
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

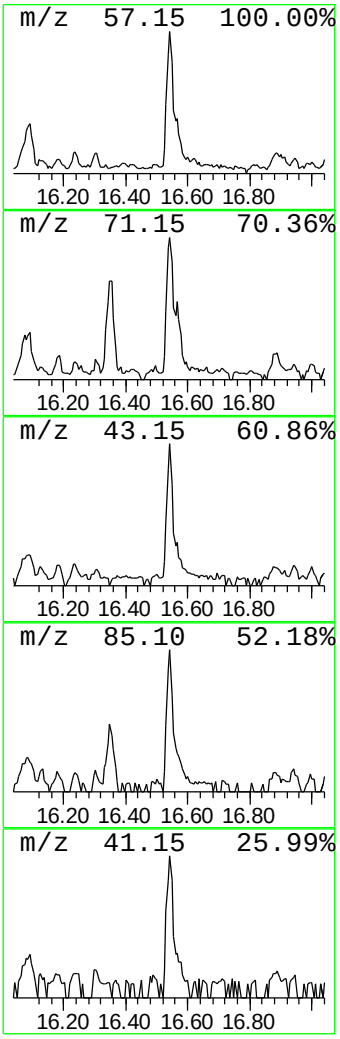
****

Peak Number 8 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	2.10 ng	36752	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Pentadecane	212	C15H32	000629-62-9	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heneicosane	296	C21H44	000629-94-7	90





Tentatively Identified Compound (LSC) summary

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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
unknown3.09	3.09	109.9	ng	531548	1	8.26	96745	20.0
2-Pentanone, 4-hy...	5.32	18.2	ng	88064	1	8.26	96745	20.0
unknown7.79	7.79	110.0	ng	531880	1	8.26	96745	20.0
Nonadecane	15.68	2.3	ng	34794	3	14.87	301026	20.0
Heptadecane	16.54	2.1	ng	36752	4	17.61	349820	20.0