LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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	1.392	16	18	24	rVB	97174	188827	3.13%	0.654%
2	1.484	24	26	29	rVB	2025051	2054388	34.07%	7.112%
3	1.621	35	38	40	rVB	230576	379212	6.29%	1.313%
4	1.747	48	49	52	rBV	389520	537097	8.91%	1.859%
5	1.804	52	54	58	rVV	759674	1020881	16.93%	3.534%
6	1.872	58	60	111	rVB	2904307	6030004	100.00%	20.876%
7	3.004	158	159	171	rBV4	32511	121882	2.02%	0.422%
8	5.084	339	341	343	rBV	48705	76227	1.26%	0.264%
9	5.119	343	344	351	rVB	97735	121818	2.02%	0.422%
10	5.621	385	388	390	rBV	1786695	1816969	30.13%	6.290%
11	6.879	495	498	500	rBV	2155146	1993022	33.05%	6.900%
12	7.027	509	511	514	rBV	1938580	1885084	31.26%	6.526%
13	7.313	534	536	539	rBV	318870	410140	6.80%	1.420%
14	7.507	550	553	555	rBV	1538848	1469014	24.36%	5.086%
15	8.010	594	597	599	rBV	1347400	1191754	19.76%	4.126%
16	8.547	641	644	656	rBV	32701	65232	1.08%	0.226%
17	8.890	672	674	677	rBV	540278	569499	9.44%	1.972%
18	10.239	790	792	795	rBV	2371314	2095919	34.76%	7.256%
19	10.742	834	836	839	rBV	84247	74396	1.23%	0.258%
20	11.073	862	865	867	rBV	580236	648128	10.75%	2.244%
21	11.542	904	906	910	rBV	87129	100023	1.66%	0.346%
22	11.896	934	937	939	rBV	90124	89458	1.48%	0.310%
23	12.045	948	950	953	rBV2	1087513	1467773	24.34%	5.081%
24	12.914	1023	1026	1029	rBV	761310	696179	11.55%	2.410%
25	14.914	1198	1201	1203	rBV	2273782	2262795	37.53%	7.834%
26	16.091	1301	1304	1312	rBV	112220	224056	3.72%	0.776%
27	16.205	1312	1314	1317	rBV	541016	661094	10.96%	2.289%
28	17.965	1465	1468	1471	rBV	487177	633831	10.51%	2.194%

Sum of corrected areas: 28884702

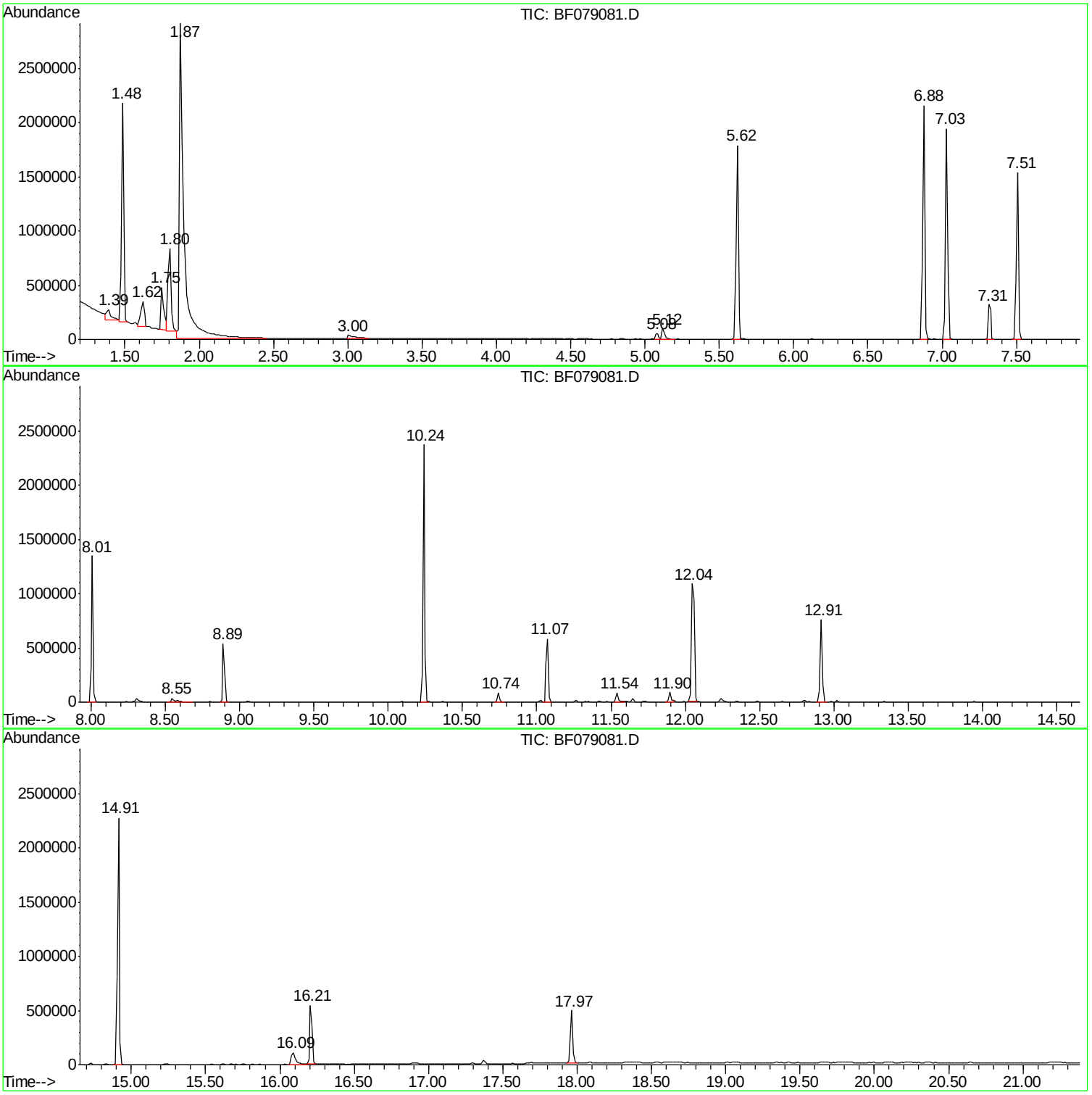
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

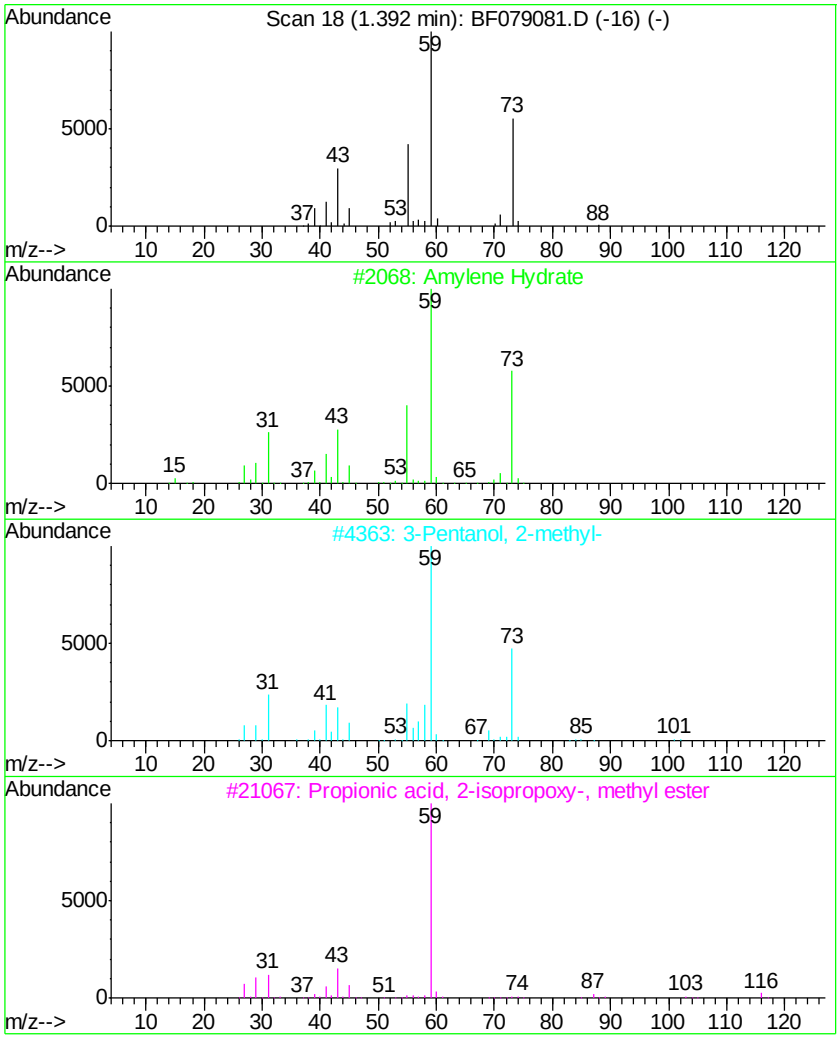
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

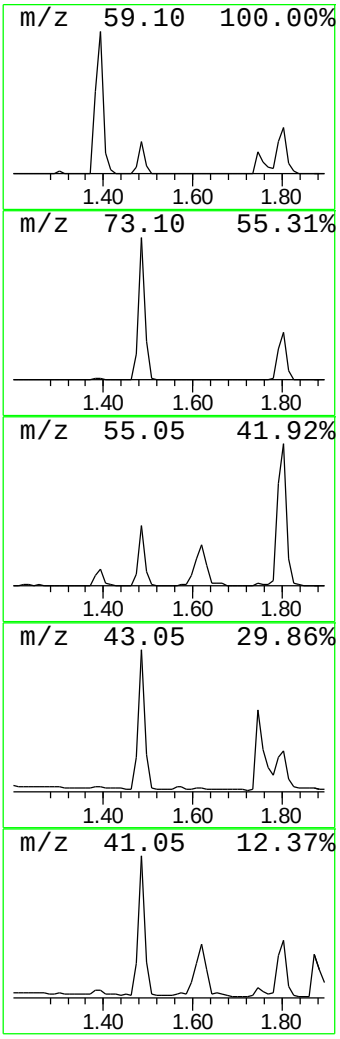
****

Peak Number 1 Amylene Hydrate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.39	9.21 ng	188827	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	83
2	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	39
3	Propionic acid, 2-isopropoxy-, m...	146	C7H14O3	1000151-15-1	36
4	4-Pentene-2-ol, 2-methyl	100	C6H12O	000624-97-5	33
5	Propanoic acid, 2-hydroxy-2-meth...	118	C5H10O3	002110-78-3	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

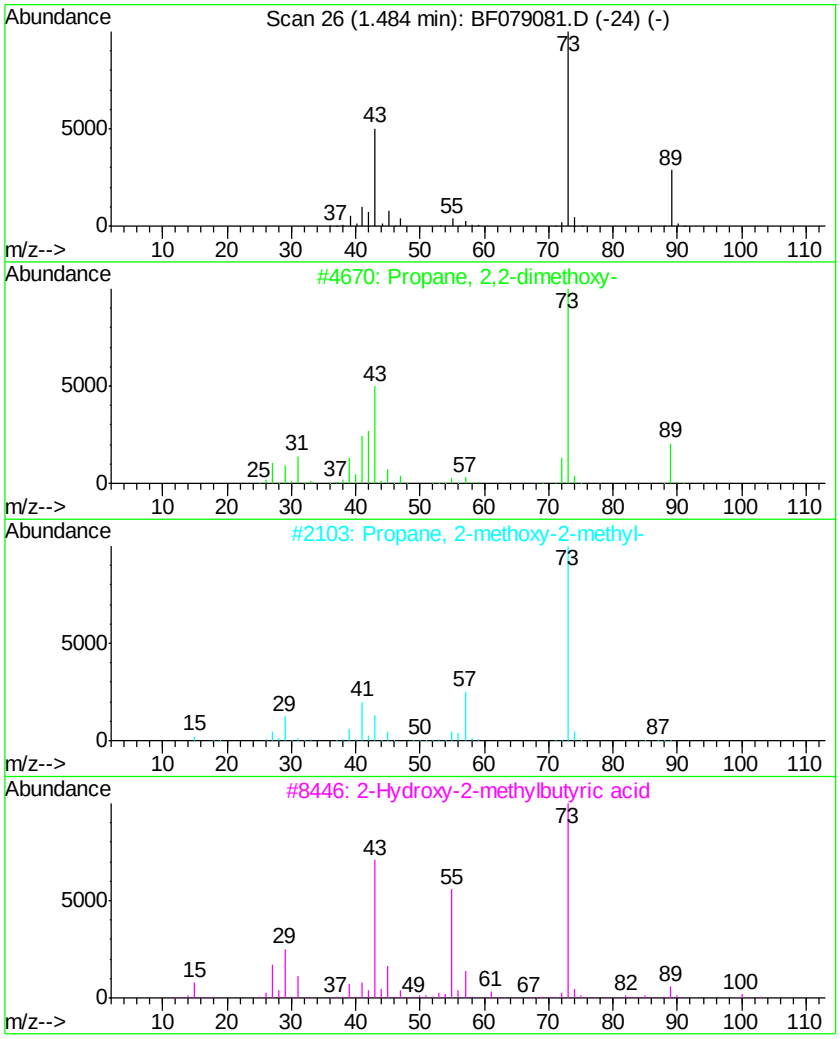
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

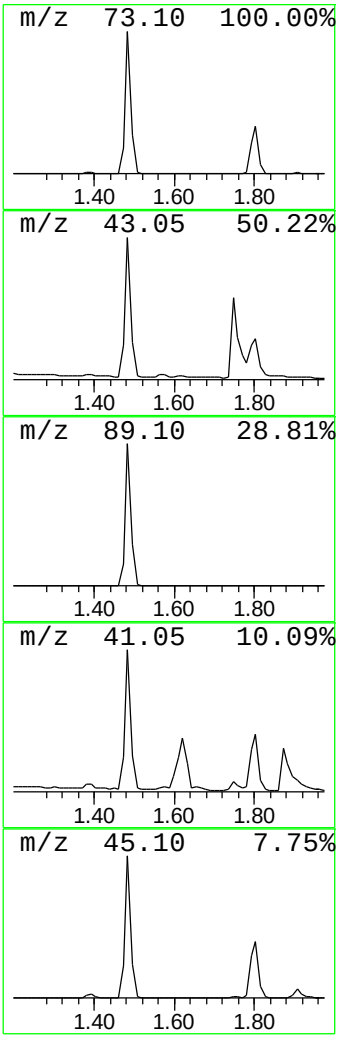
****

Peak Number 2 Propane, 2,2-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	100.18 ng	2054390	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
5	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

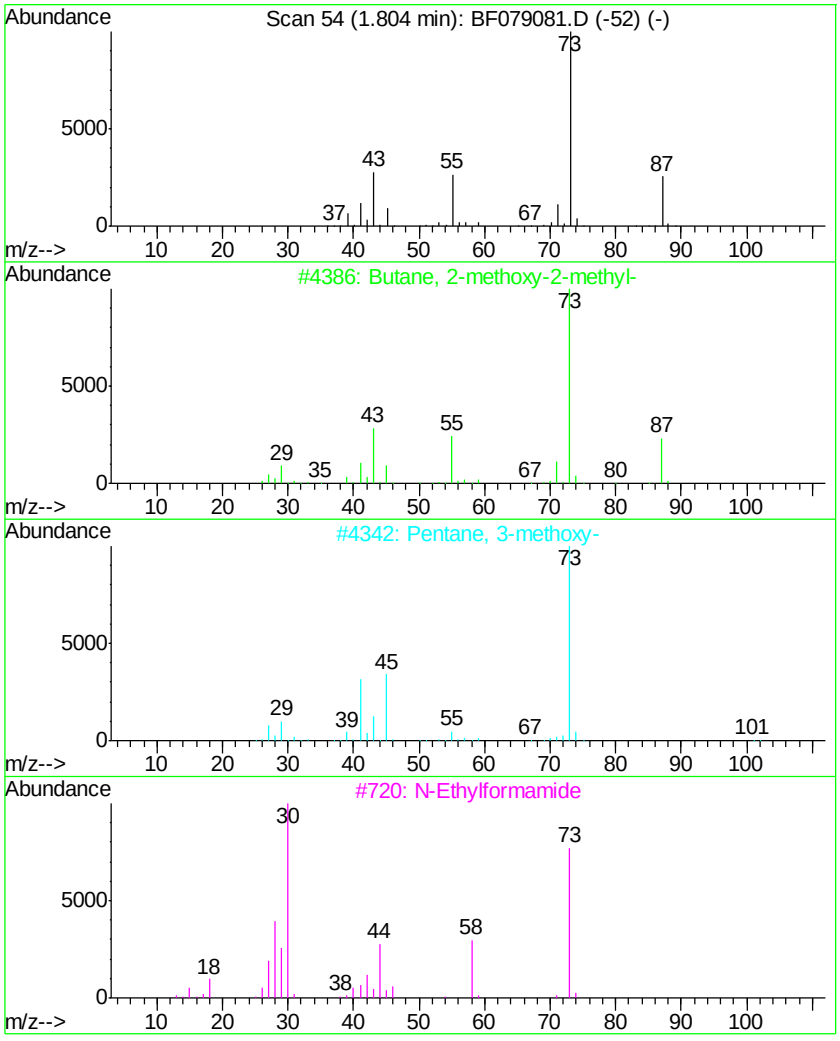
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

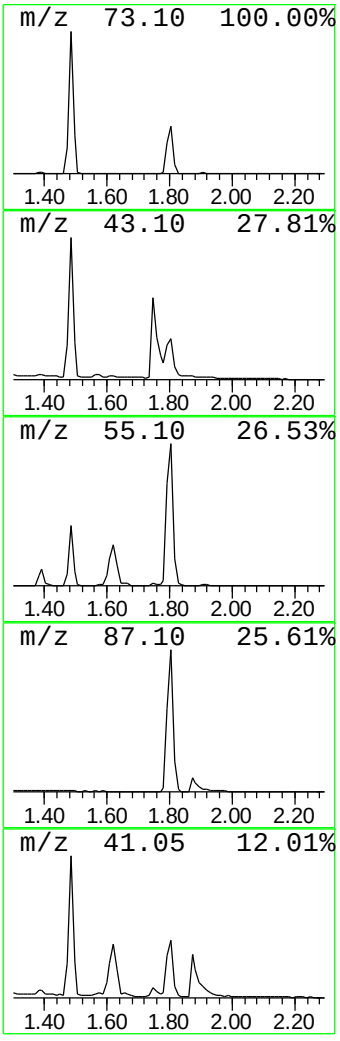
****

Peak Number 5 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.80	49.78 ng	1020880	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

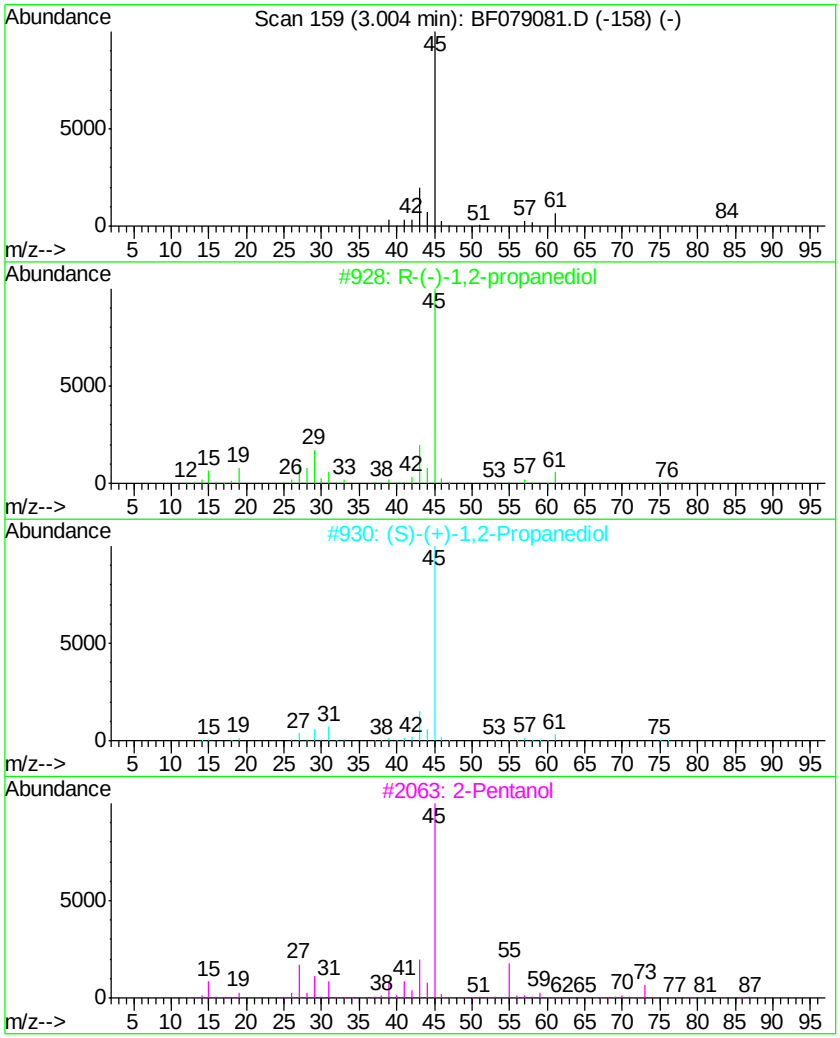
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

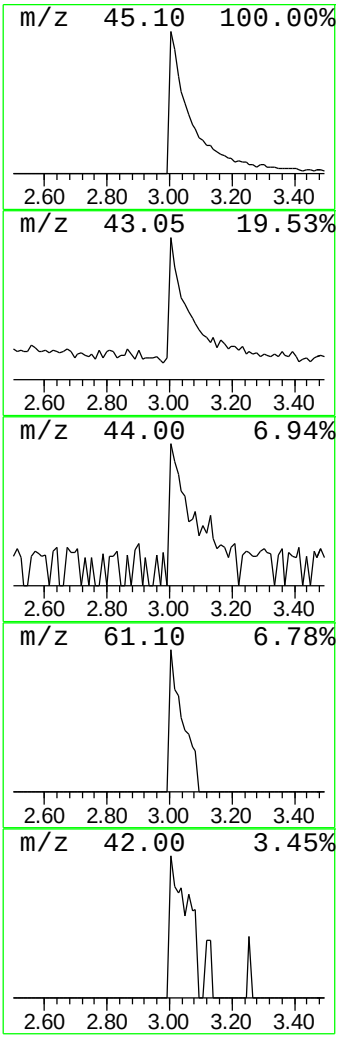
****

Peak Number 7 R-(-)-1,2-propanediol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	5.94 ng	121882	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	64
2	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	43
3	2-Pentanol	88	C5H12O	006032-29-7	9
4	2-Heptanol	116	C7H16O	000543-49-7	9
5	Isopropyl Alcohol	60	C3H8O	000067-63-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

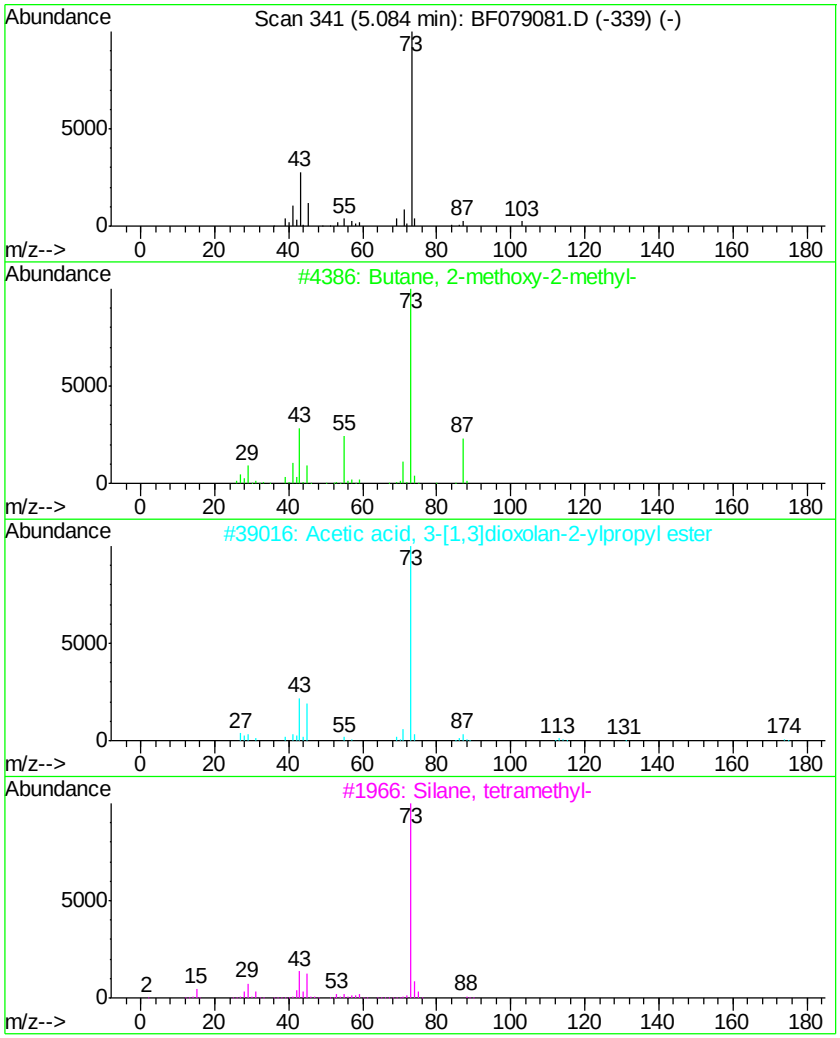
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

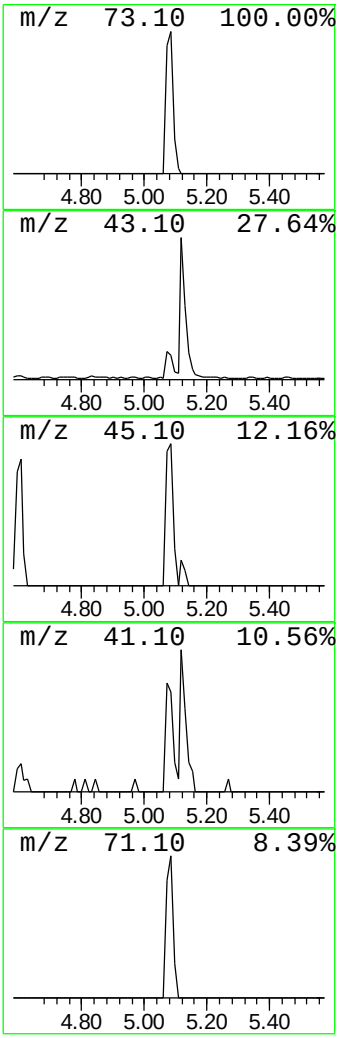
****

Peak Number 8 unknown5.08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	3.72 ng	76227	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	38
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	36
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	33
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

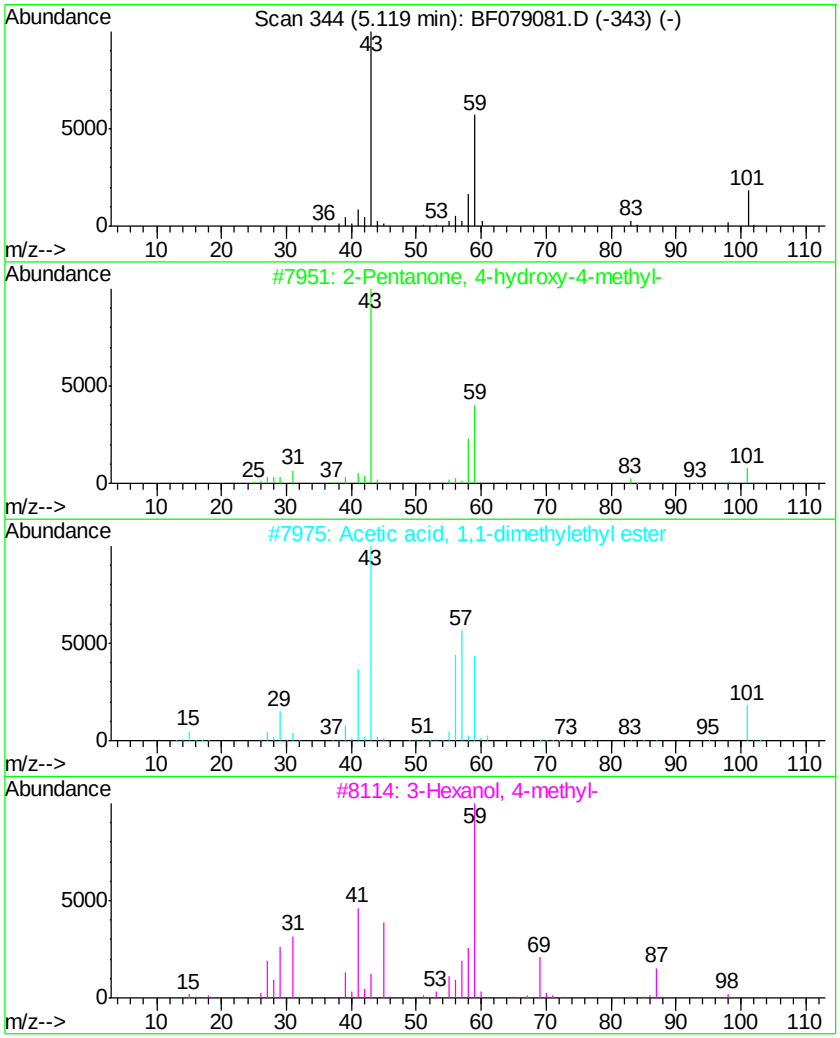
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

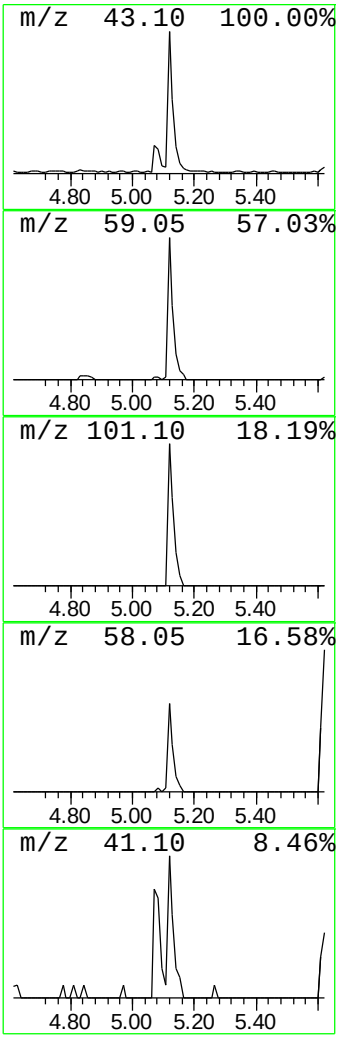
****

Peak Number 9 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	5.94 ng	121818	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	t-Butyl ethyl ether	102	C6H14O	1000118-18-4	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

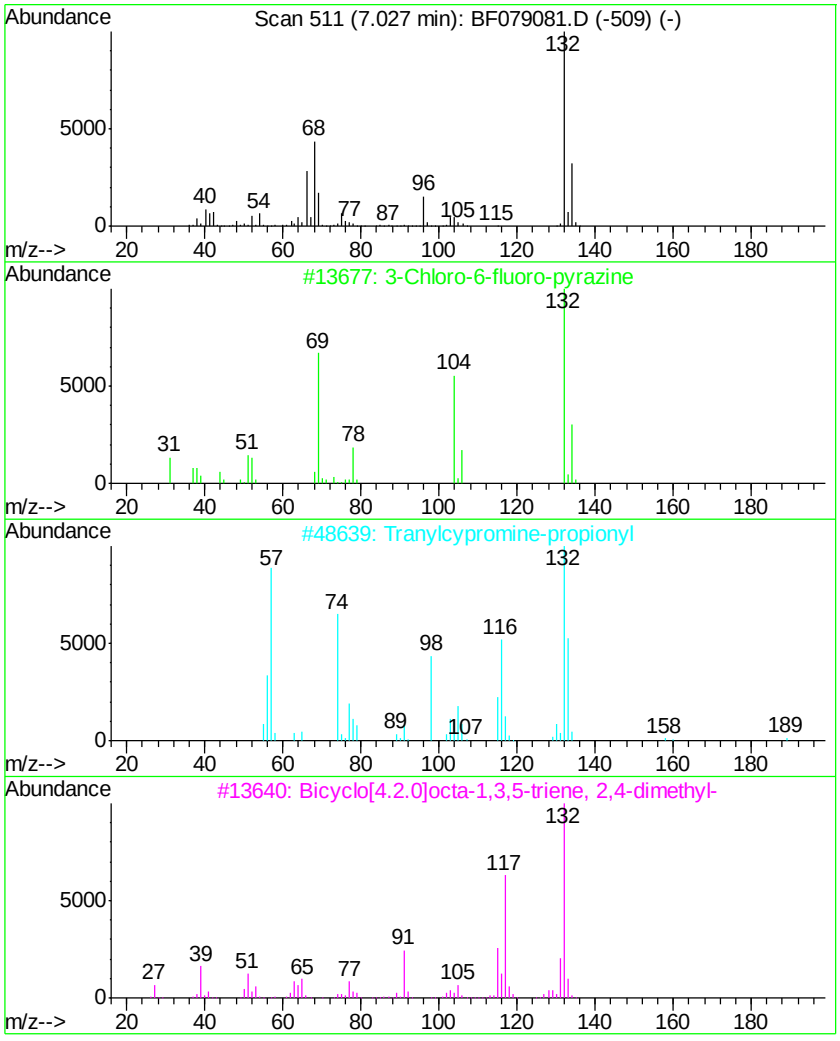
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

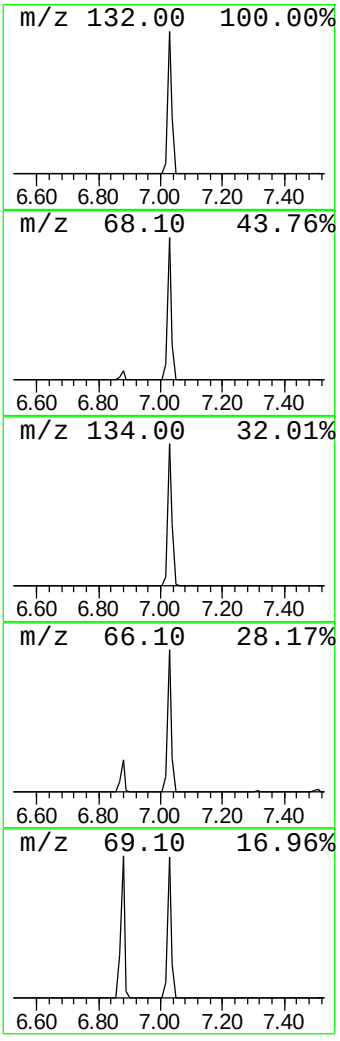
****

Peak Number 10 unknown7.03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	91.92 ng	1885080	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

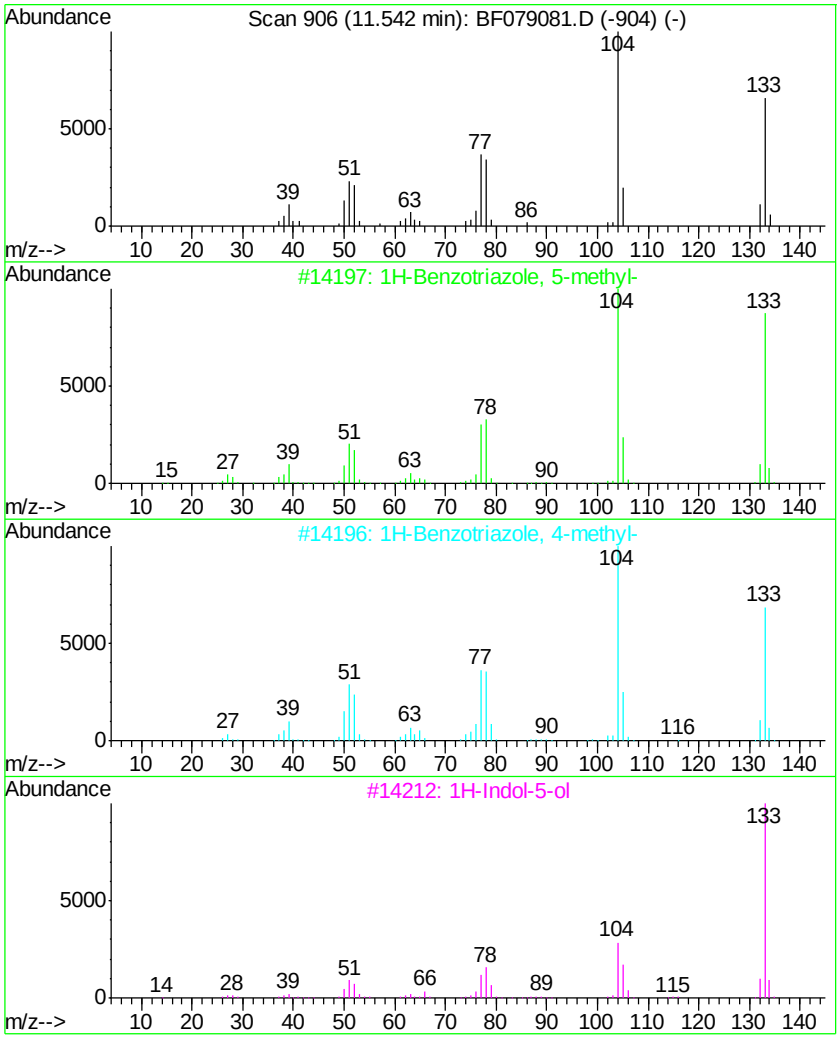
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

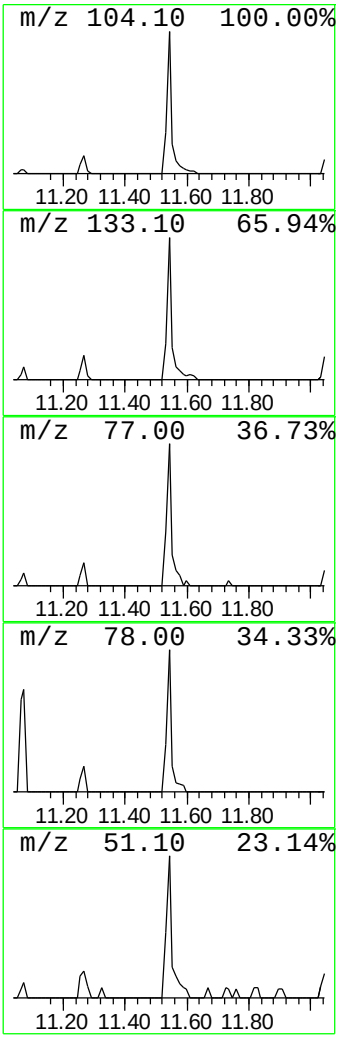
****

Peak Number 12 1H-Benzotriazole, 5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	3.09 ng	100023	Acenaphthene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	97
2	1H-Benzotriazole, 4-methyl-	133	C7H7N3	029878-31-7	97
3	1H-Indol-5-ol	133	C8H7NO	001953-54-4	81
4	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	68
5	Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

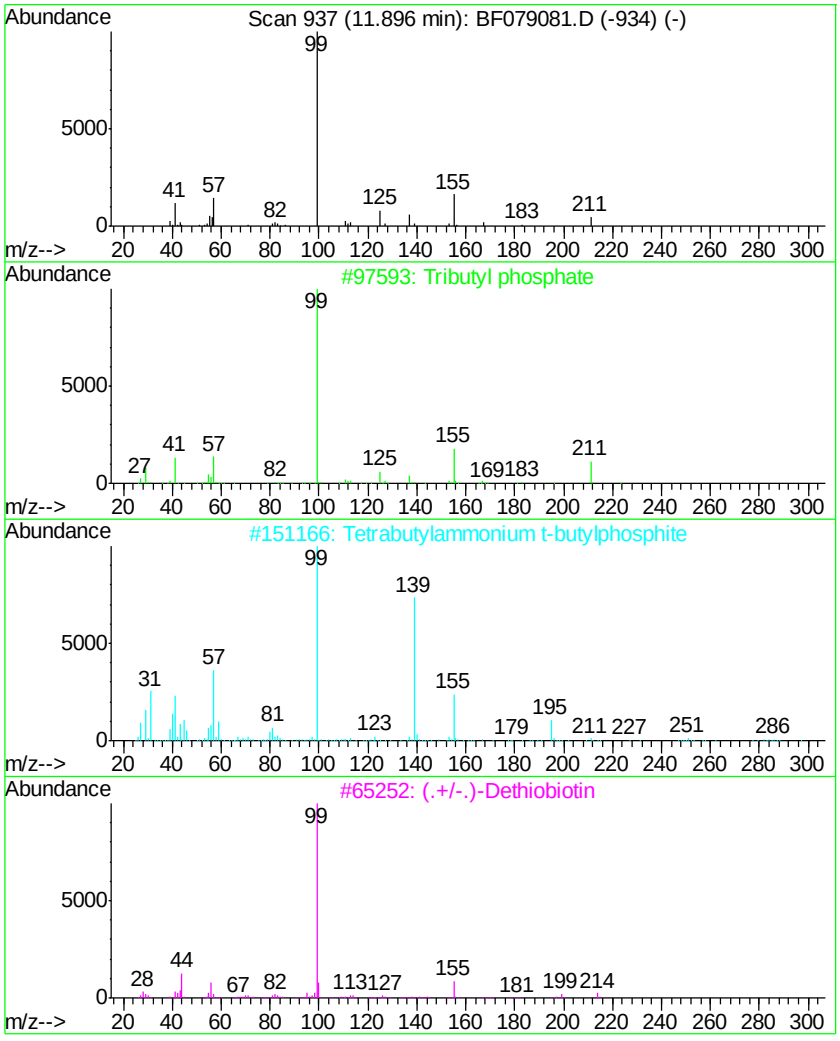
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

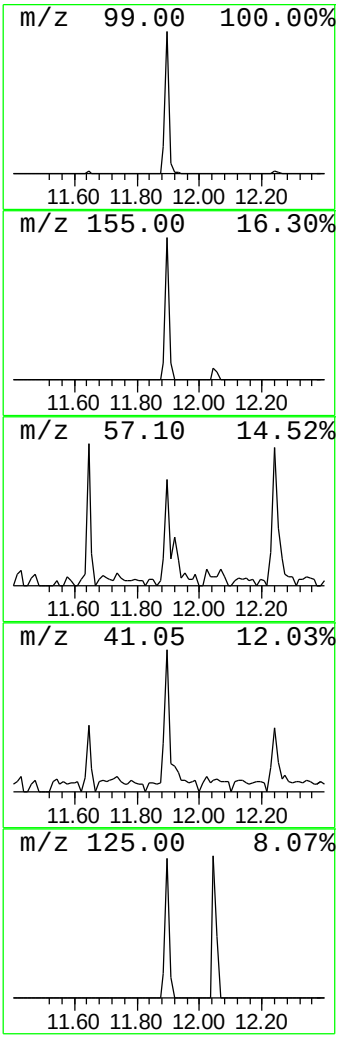
****

Peak Number 13 Tributyl phosphate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.76 ng	89458	Acenaphthene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	78
2	Tetrabutylammonium t-butylphosphite	379	C20H46NO3P	1000164-81-7	38
3	(.+/-.)-Dethiobiotin	214	C10H18N2O3	000636-20-4	36
4	2,5-Pyrrolidinedione	99	C4H5NO2	000123-56-8	9
5	3-Hydroxy-2,3,4,4-tetramethyl-pe...	202	C11H22O3	1000194-64-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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

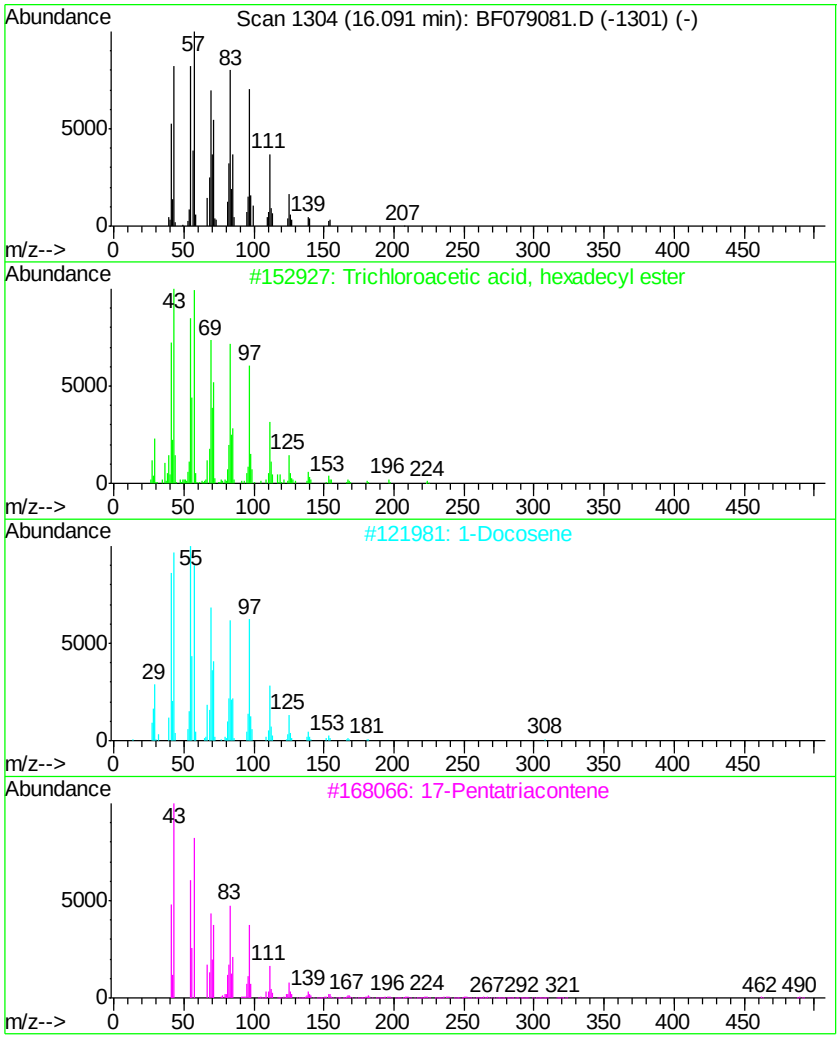
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

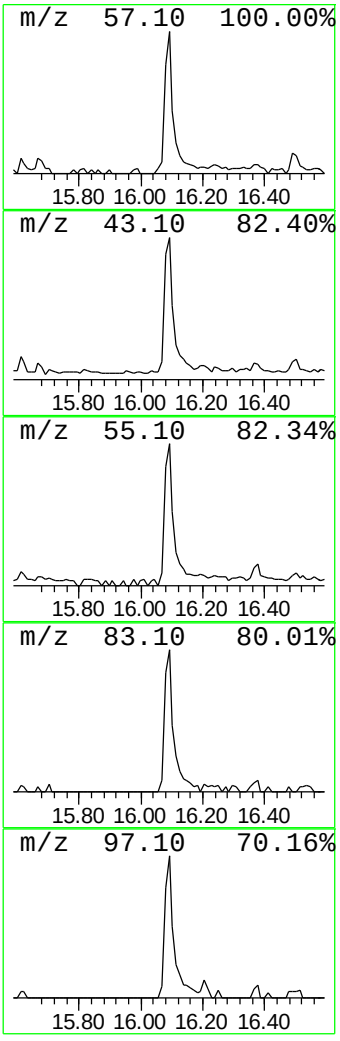
****

Peak Number 14 Trichloroacetic acid, hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	6.78 ng	224056	Chrysene-d12	16.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2	1-Docosene	308	C22H44	001599-67-3	90
3	17-Pentatriacontene	491	C35H70	006971-40-0	90
4	1-Tetracosanol	354	C24H50O	000506-51-4	87
5	1-Heptadecanol	256	C17H36O	001454-85-9	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050815\
Data File : BF079081.D
Acq On : 9 May 2015 13:45
Operator : TP/IZ
Sample : G2151-16
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-09-7.0

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
Amylene Hydrate	1.39	9.2	ng	188827	1	7.32	410140	20.0
Propane, 2,2-dime...	1.48	100.2	ng	2054390	1	7.32	410140	20.0
Butane, 2-methoxy...	1.80	49.8	ng	1020880	1	7.32	410140	20.0
R-(-)-1,2-propane...	3.00	5.9	ng	121882	1	7.32	410140	20.0
unknown5.08	5.08	3.7	ng	76227	1	7.32	410140	20.0
2-Pentanone, 4-hy...	5.12	5.9	ng	121818	1	7.32	410140	20.0
unknown7.03	7.03	91.9	ng	1885080	1	7.32	410140	20.0
1H-Benzotriazole,...	11.54	3.1	ng	100023	3	11.07	648128	20.0
Tributyl phosphate	11.90	2.8	ng	89458	3	11.07	648128	20.0
Trichloroacetic a...	16.09	6.8	ng	224056	5	16.21	661094	20.0