LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

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-BG050515.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	2.787	13	17	34	rVB	3520583	4721145	40.63%	2.476%
2	2.928	36	41	50	rVB	144577	277069	2.38%	0.145%
3	3.004	50	54	59	rBV	203768	258275	2.22%	0.135%
4	4.925	376	381	388	rBV	192765	274740	2.36%	0.144%
5	5.384	452	459	466	rBV	1423657	2034925	17.51%	1.067%
6	6.976	722	730	731	rBV	1447596	2147547	18.48%	1.126%
7	7.005	731	735	746	rVB	2361808	3793015	32.64%	1.989%
8	7.340	784	792	794	rBV	1394500	2262855	19.47%	1.187%
9	7.375	794	798	805	rVB	2556274	3947215	33.97%	2.070%
10	7.699	845	853	862	rBV	2262322	3640108	31.33%	1.909%
11	7.804	865	871	873	rVV	284222	423750	3.65%	0.222%
12	7.840	873	877	888	rVB	1123282	1783527	15.35%	0.935%
13	8.127	918	926	934	rBV	984081	1577000	13.57%	0.827%
14	8.568	994	1001	1010	rBV	533518	882057	7.59%	0.463%
15	8.885	1048	1055	1061	rBV	712131	1151095	9.91%	0.604%
16	8.962	1061	1068	1077	rVB	913185	1460885	12.57%	0.766%
17	9.538	1153	1166	1176	rBV	3730674	6668952	57.39%	3.497%
18	9.714	1189	1196	1206	rBV	1132447	1850980	15.93%	0.971%
19	10.466	1316	1324	1332	rVB	3230422	5367762	46.19%	2.815%
20	10.601	1339	1347	1350	rBV	400299	673432	5.80%	0.353%
21	10.654	1350	1356	1364	rVB	3138801	5320864	45.79%	2.790%
22	11.882	1557	1565	1578	rBV	3055579	4902786	42.19%	2.571%
23	12.264	1619	1630	1640	rBV	1984150	3077615	26.49%	1.614%
24	12.869	1727	1733	1739	rBV	1762724	2701570	23.25%	1.417%
25	12.939	1739	1745	1752	rVB	2730511	4144575	35.67%	2.173%
26	13.069	1760	1767	1774	rVB	2319425	3336751	28.72%	1.750%
27	14.167	1947	1954	1965	rVB	2405607	3622233	31.17%	1.899%
28	14.444	1994	2001	2006	rBV2	624954	967195	8.32%	0.507%
29	14.514	2006	2013	2019	rVB	5944024	8955047	77.06%	4.696%
30	15.278	2134	2143	2148	rBV	4178145	5610401	48.28%	2.942%
31	15.495	2173	2180	2187	rVB	8475124	11620186	100.00%	6.094%
32	15.930	2243	2254	2261	rBV	1958826	2676996	23.04%	1.404%
33	16.388	2325	2332	2338	rVB	4435024	6060494	52.15%	3.178%
34	16.835	2401	2408	2419	rBV	2348681	3219217	27.70%	1.688%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

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-BG050515.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.187	2462	2468	2472	rBV2	802424	1224710	10.54%	0.642%
36	17.234	2472	2476	2482	rVB	1578771	2252436	19.38%	1.181%
37	17.328	2482	2492	2498	rBV	5729932	8533698	73.44%	4.475%
38	18.092	2617	2622	2628	rBV	111538	171547	1.48%	0.090%
39	18.169	2628	2635	2640	rVV	3089503	3891498	33.49%	2.041%
40	18.603	2703	2709	2714	rVB	162503	228542	1.97%	0.120%
41	19.250	2812	2819	2825	rBV	4458909	6459013	55.58%	3.387%
42	19.614	2872	2881	2888	rBV	3701059	5155212	44.36%	2.703%
43	19.820	2910	2916	2921	rBV	3914663	4819531	41.48%	2.527%
44	20.519	3029	3035	3040	rBV	6987022	8236334	70.88%	4.319%
45	21.089	3127	3132	3139	rBV	750375	943762	8.12%	0.495%
46	21.294	3162	3167	3172	rBV	5765752	6256771	53.84%	3.281%
47	21.359	3172	3178	3183	rVV2	4247309	6730531	57.92%	3.529%
48	21.406	3183	3186	3192	rVB	2233601	2483585	21.37%	1.302%
49	21.982	3280	3284	3295	rVB3	123960	230487	1.98%	0.121%
50	22.193	3314	3320	3329	rBV	4409463	5770801	49.66%	3.026%
51	22.593	3384	3388	3393	rVB	129626	171729	1.48%	0.090%
52	23.039	3451	3464	3475	rVB	5683882	10863315	93.49%	5.697%
53	23.580	3547	3556	3564	rBV	1485829	2924087	25.16%	1.533%
54	23.674	3565	3572	3583	rVB2	603924	1220219	10.50%	0.640%
55	24.279	3670	3675	3682	rVB3	118893	230568	1.98%	0.121%
56	24.361	3683	3689	3702	rVB2	149011	348981	3.00%	0.183%
57	26.165	3991	3996	4004	rVB8	53295	137416	1.18%	0.072%

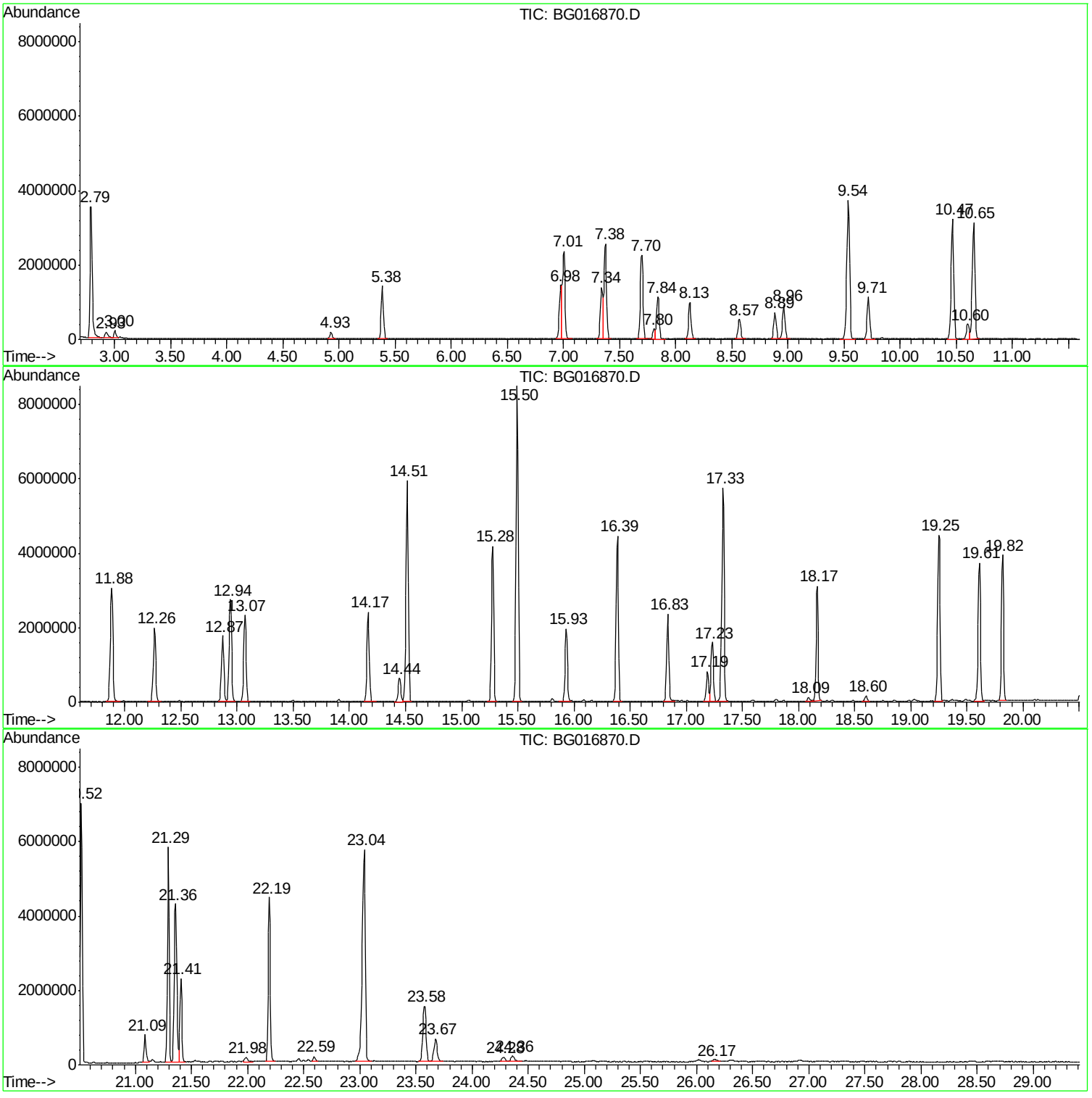
Sum of corrected areas: 190697037

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

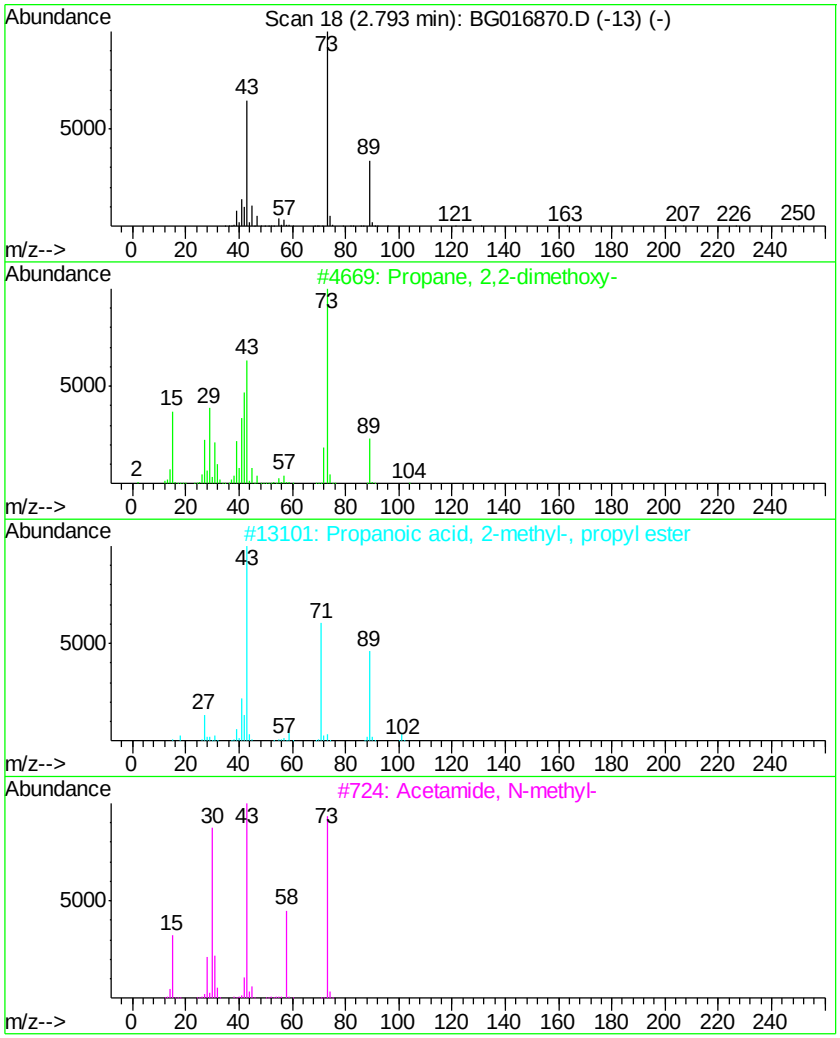
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

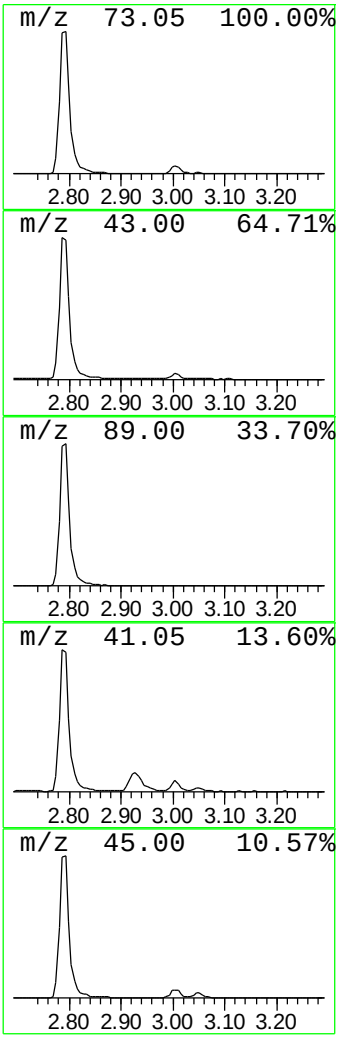
****

Peak Number 1 unknown2.79 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	222.83 ng	4721150	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	45
2	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	25
3	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

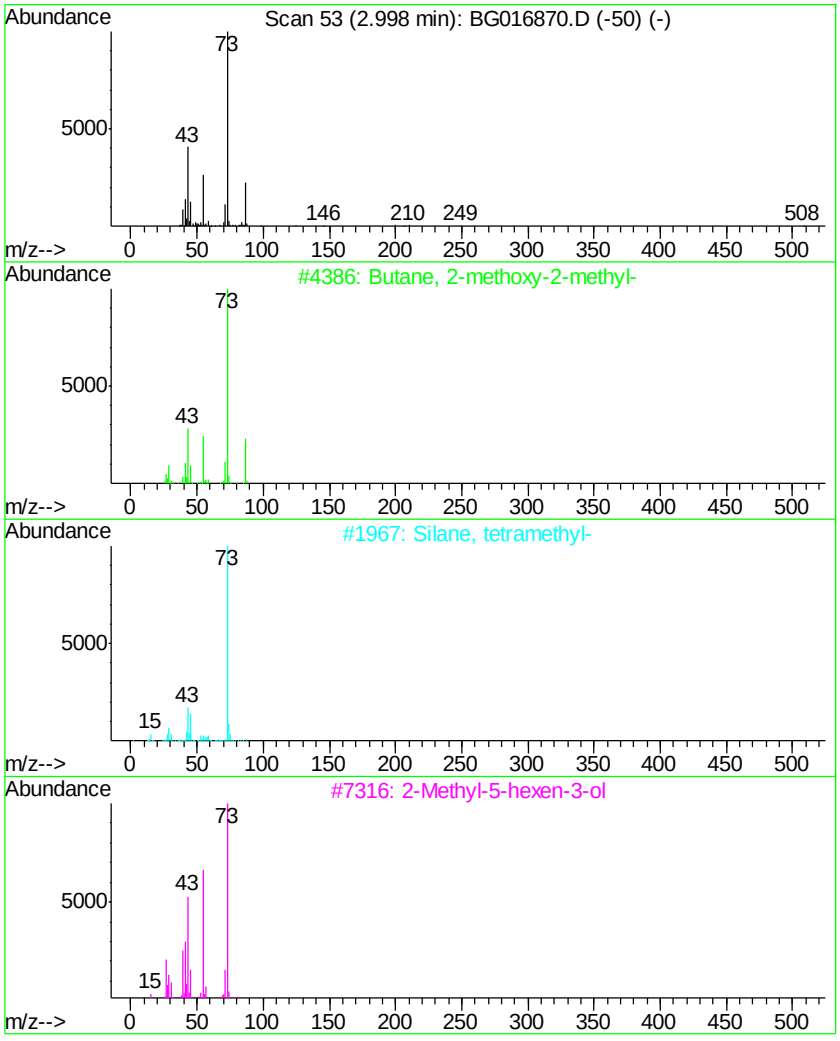
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

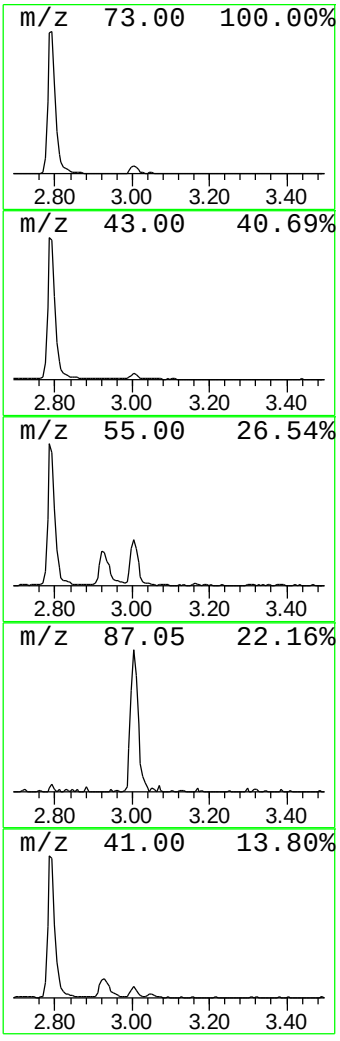
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	12.19 ng	258275	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	10
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

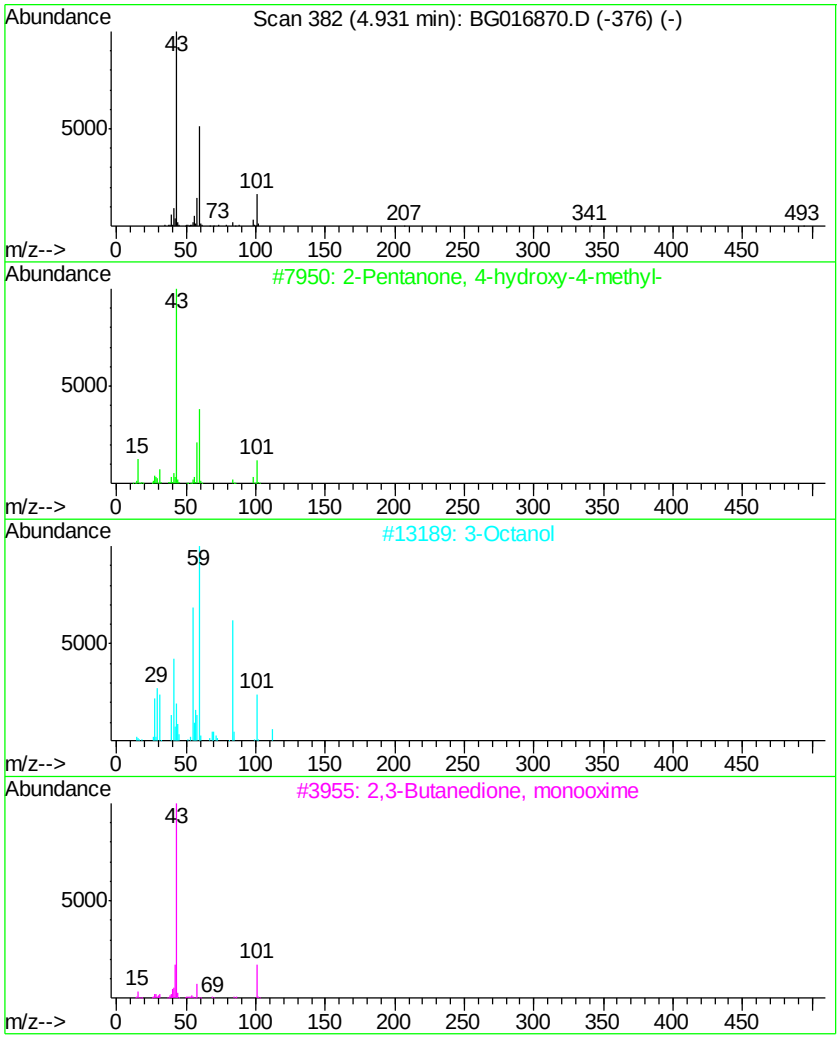
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

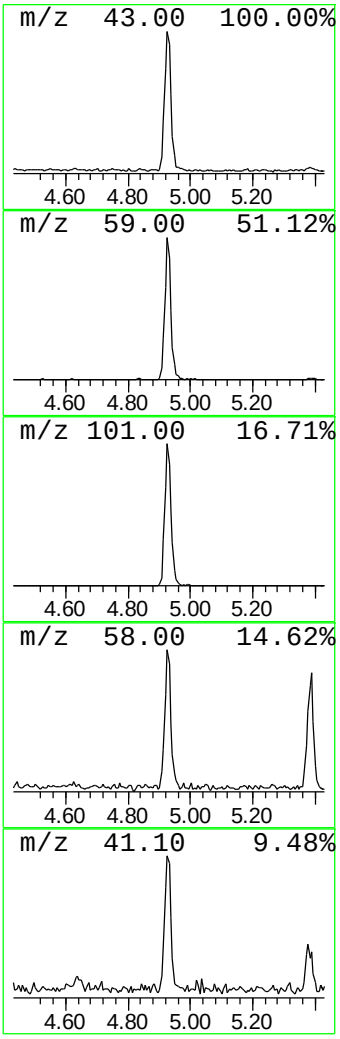
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	12.97 ng	274740	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	3-Octanol	130	C8H18O	000589-98-0	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

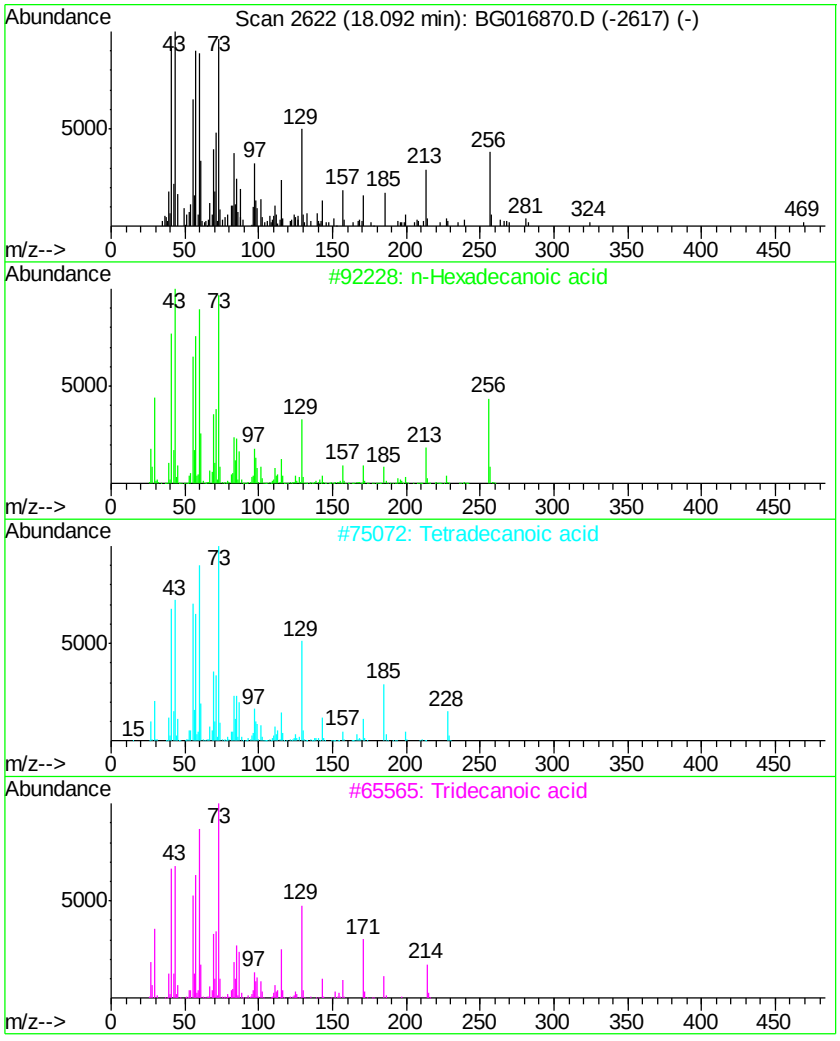
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

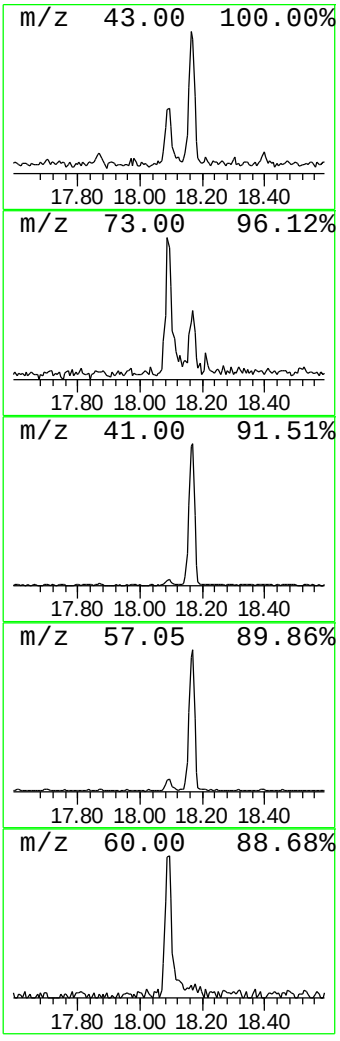
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	2.80 ng	171547	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	Tridecanoic acid	214	C13H26O2	000638-53-9	60
4	Dodecanoic acid	200	C12H24O2	000143-07-7	50
5	Undecanoic acid	186	C11H22O2	000112-37-8	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

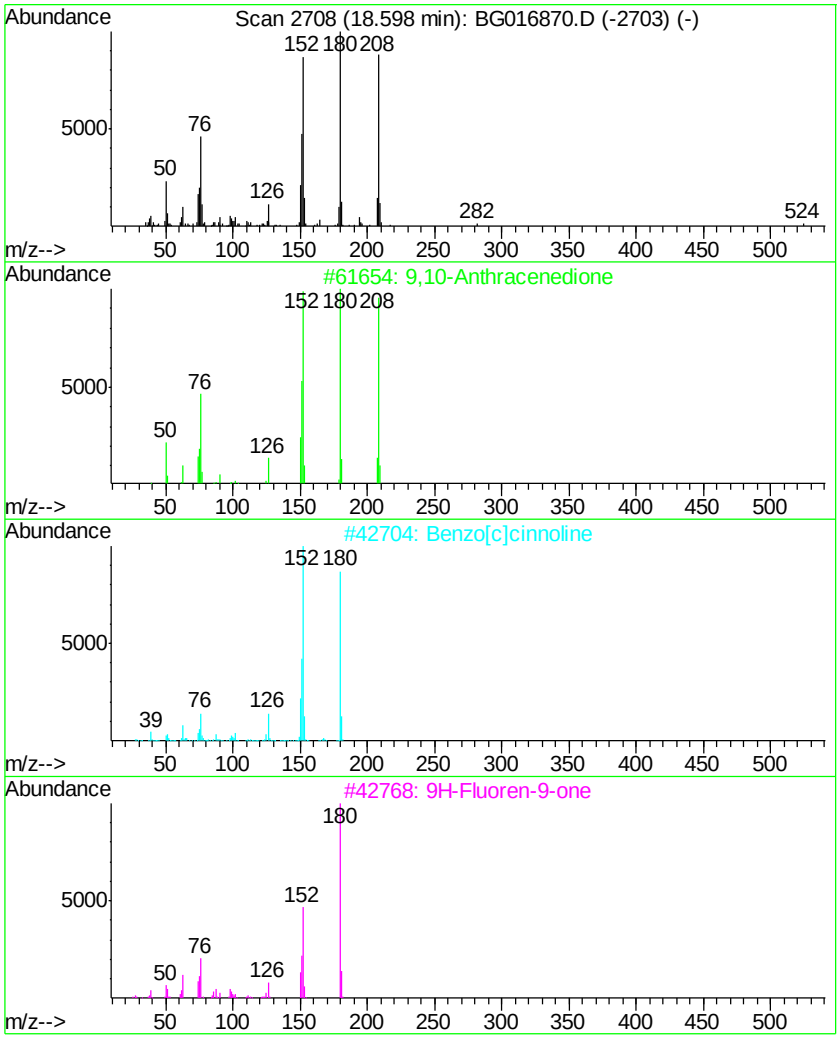
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

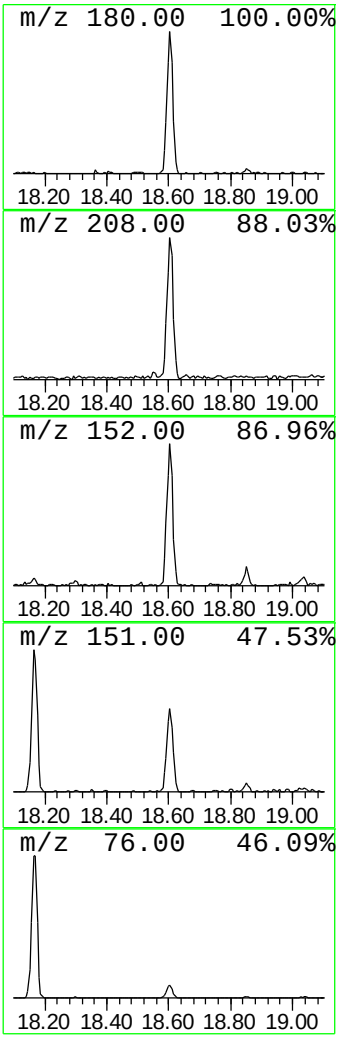
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	3.73 ng	228542	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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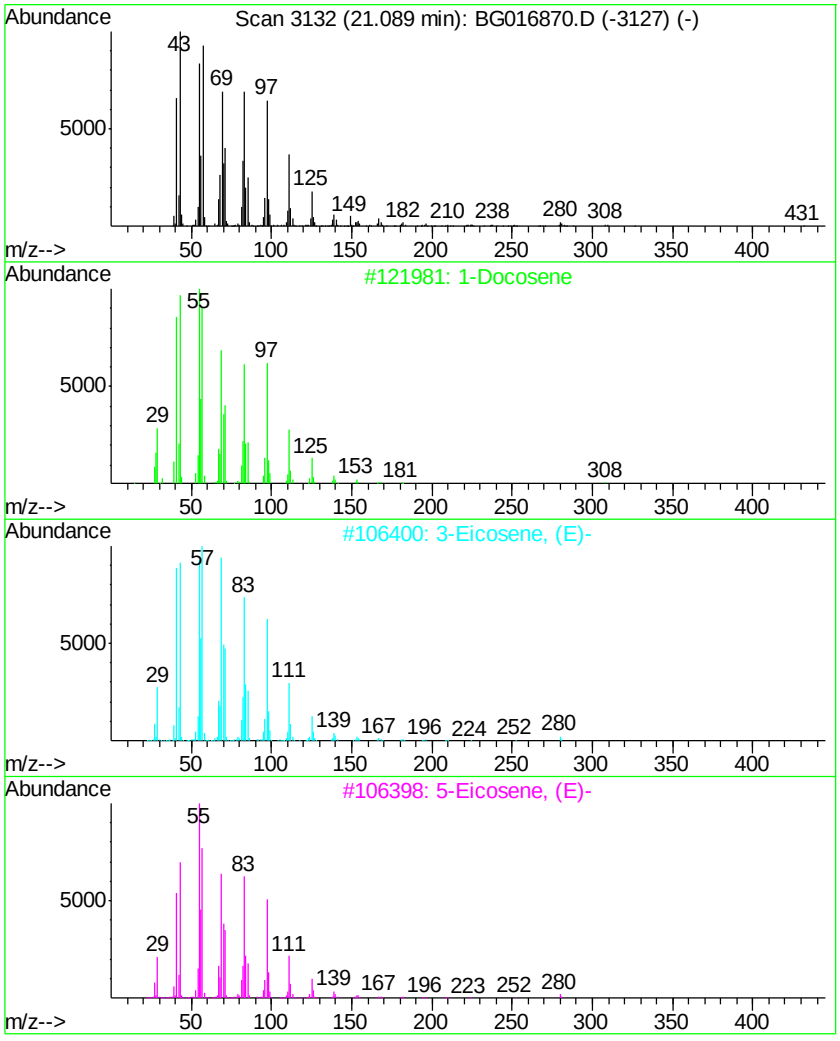
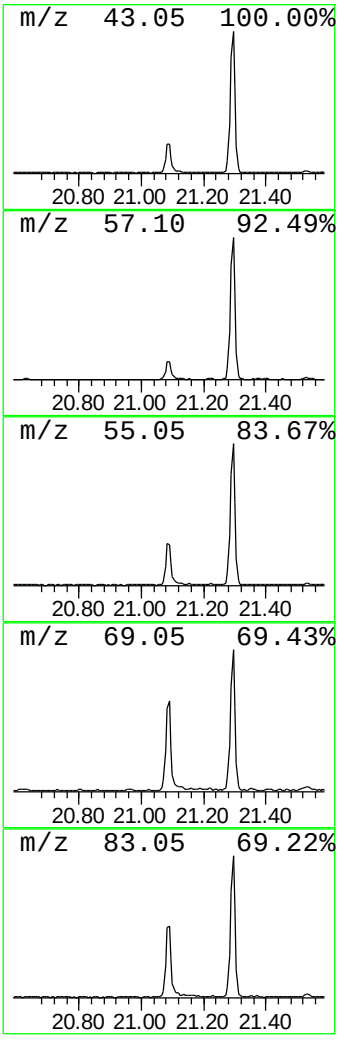
Peak Number 8 1-Docosene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.80 ng	943762	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	99
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	99
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	98
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	91
5	1-Eicosanol	298	C20H42O	000629-96-9	91





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Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

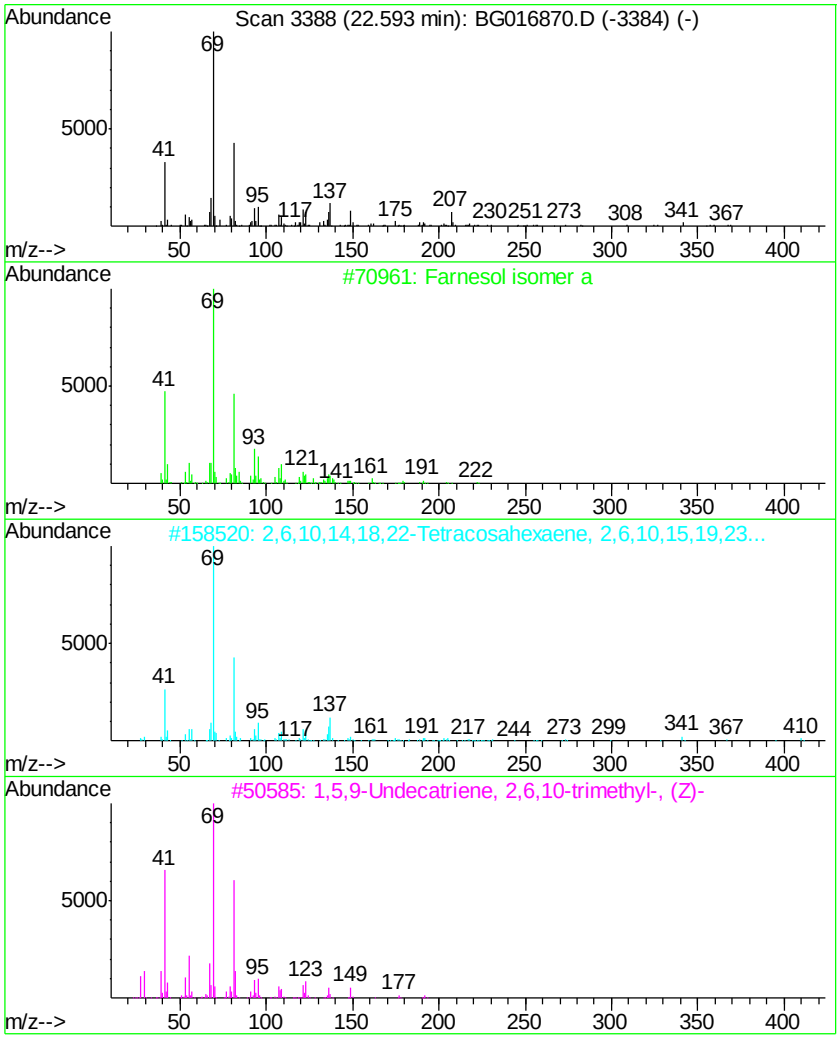
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

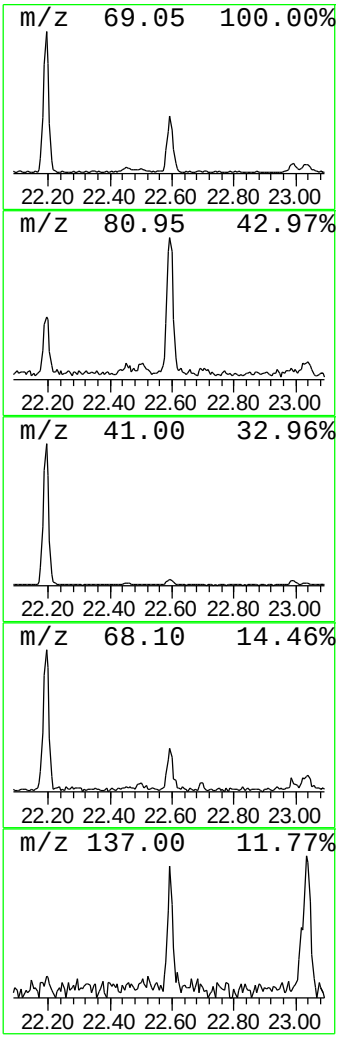
****

Peak Number 9 Farnesol isomer a Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	2.81 ng	171729	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Farnesol isomer a	222	C15H26O	1000108-92-4	89
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	87
3	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	87
4	Squalene	410	C30H50	007683-64-9	87
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.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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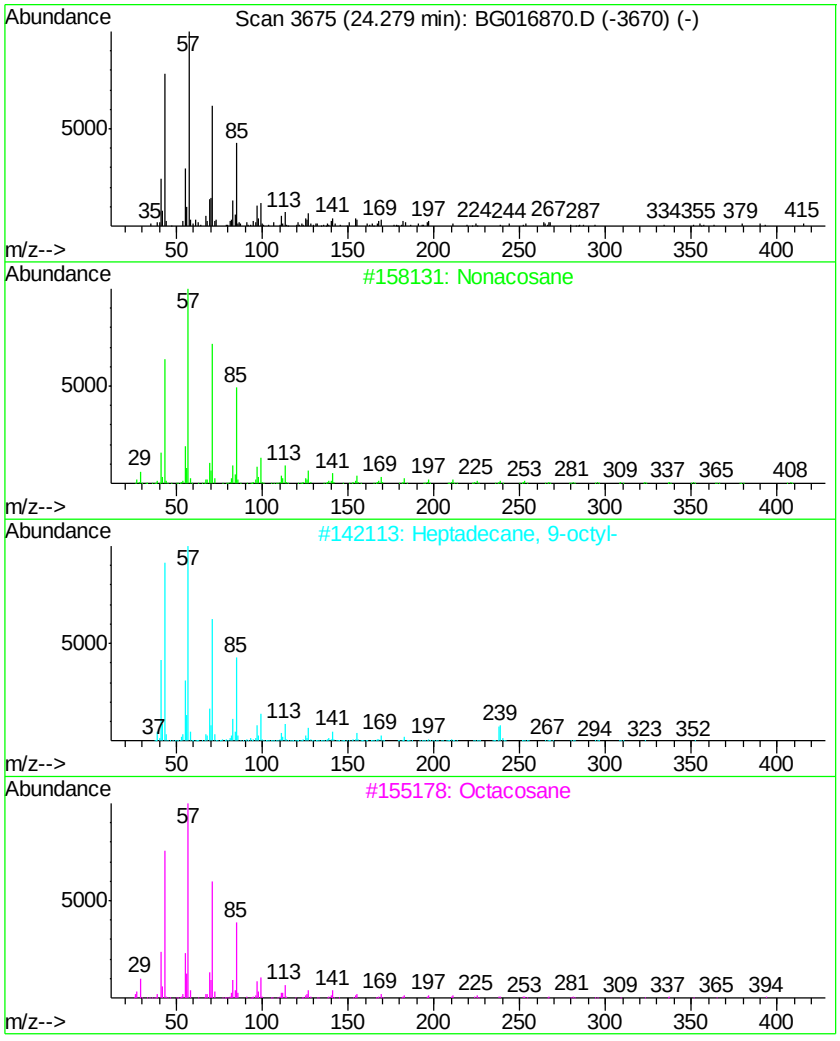
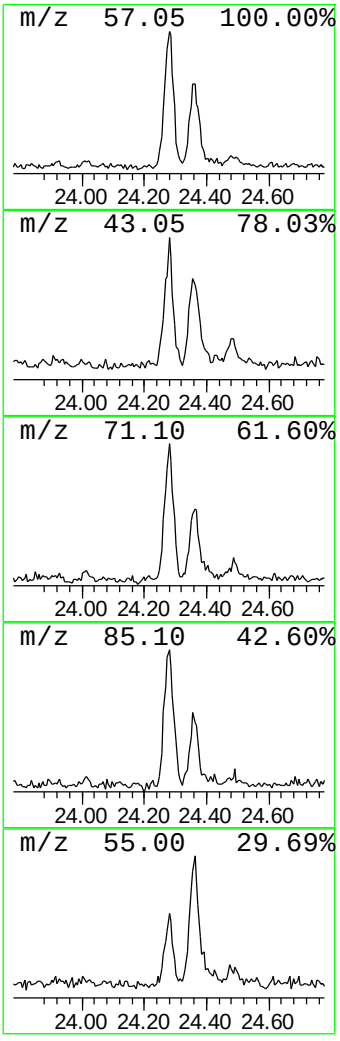
Peak Number 10 Nonacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.28	3.78 ng	230568	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	90
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Tetratetracontane	619	C44H90	007098-22-8	90
5	Heptacosane	380	C27H56	000593-49-7	90





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Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

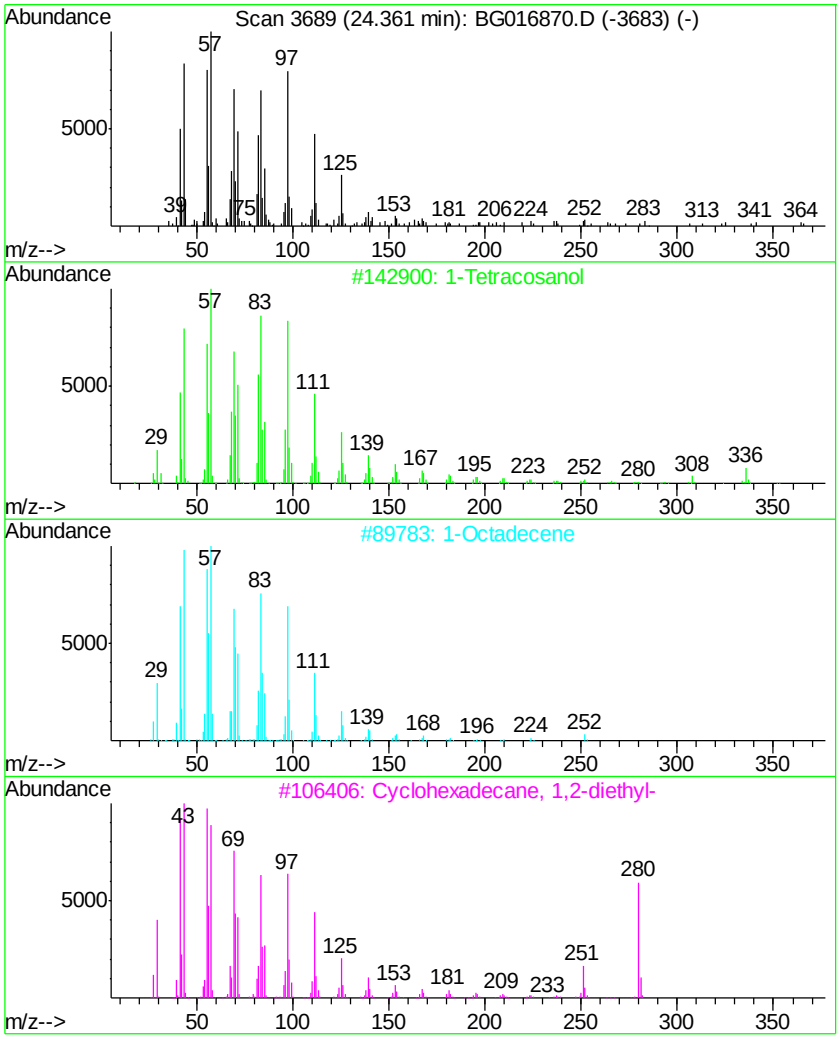
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

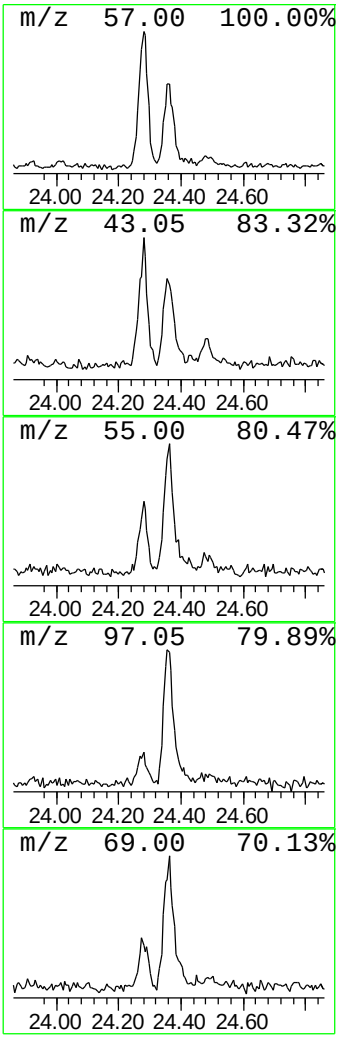
****

Peak Number 11 1-Tetracosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.36	5.72 ng	348981	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosanol	354	C24H50O	000506-51-4	91
2	1-Octadecene	252	C18H36	000112-88-9	89
3	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	74
4	1-Hexacosene	364	C26H52	018835-33-1	64
5	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	55





Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.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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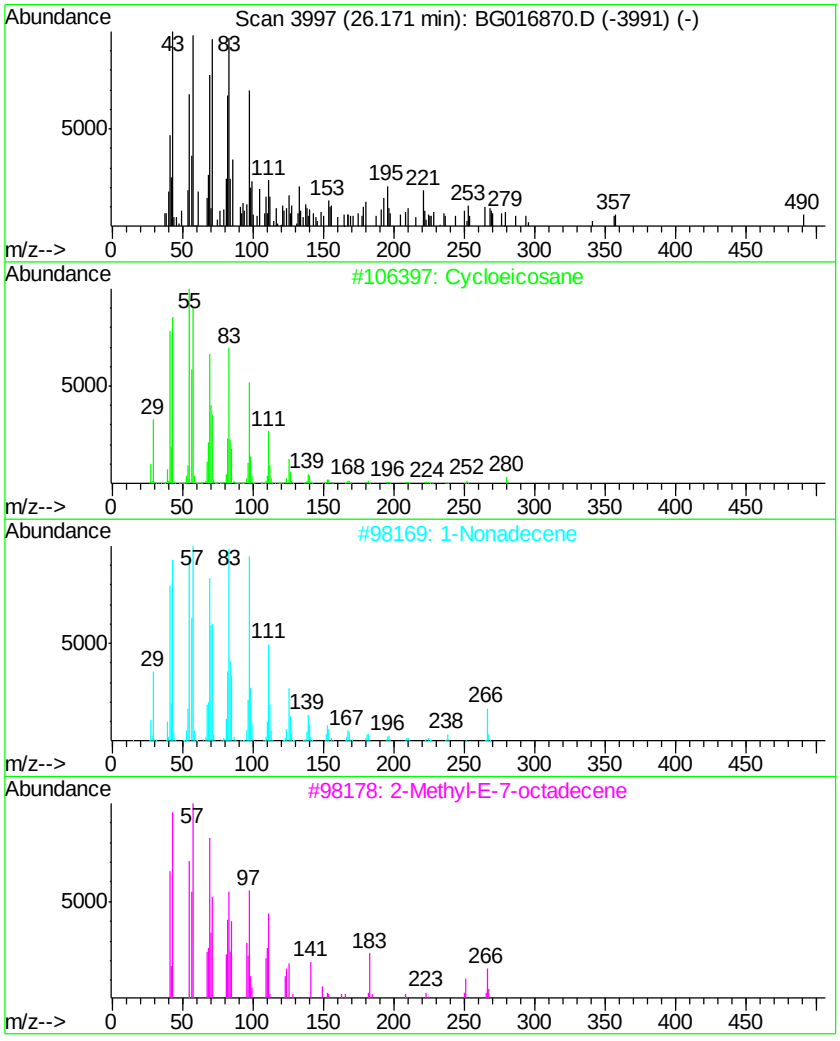
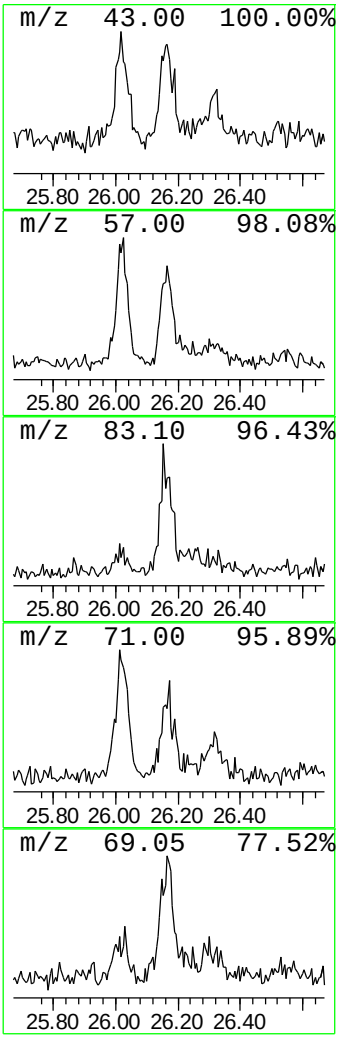
Peak Number 12 Cycloeicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.17	2.25 ng	137416	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	83
2	1-Nonadecene	266	C19H38	018435-45-5	70
3	2-Methyl-E-7-octadecene	266	C19H38	1000130-92-3	64
4	Cyclohexadecane	224	C16H32	000295-65-8	53
5	1-Octadecene	252	C18H36	000112-88-9	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050515\
Data File : BG016870.D
Acq On : 5 May 2015 17:56
Operator : TP/IZ
Sample : G2078-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.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
unknown2.79	2.79	222.8	ng	4721150	1	7.80	423750	20.0
Butane, 2-methoxy...	3.00	12.2	ng	258275	1	7.80	423750	20.0
2-Pentanone, 4-hy...	4.93	13.0	ng	274740	1	7.80	423750	20.0
n-Hexadecanoic acid	18.09	2.8	ng	171547	4	17.19	1224710	20.0
9,10-Anthracenedione	18.60	3.7	ng	228542	4	17.19	1224710	20.0
1-Docosene	21.09	2.8	ng	943762	5	21.37	6730530	20.0
Farnesol isomer a	22.59	2.8	ng	171729	6	23.67	1220220	20.0
Nonacosane	24.28	3.8	ng	230568	6	23.67	1220220	20.0
1-Tetracosanol	24.36	5.7	ng	348981	6	23.67	1220220	20.0
Cycloeicosane	26.17	2.3	ng	137416	6	23.67	1220220	20.0