LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

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-BG060616.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	2.867	3	5	25	rVB	1114581	1566355	82.33%	10.241%
2	5.100	380	385	397	rBV	25302	47627	2.50%	0.311%
3	5.599	463	470	486	rBV	384902	742314	39.01%	4.854%
4	7.232	739	748	760	rBV	438849	883147	46.42%	5.774%
5	7.579	799	807	826	rBV	491861	939398	49.37%	6.142%
6	8.037	877	885	894	rVB	81323	151092	7.94%	0.988%
7	8.366	932	941	958	rBV	350861	690586	36.30%	4.515%
8	9.218	1078	1086	1098	rBV	262078	538864	28.32%	3.523%
9	10.864	1357	1366	1382	rBV	126810	269926	14.19%	1.765%
10	13.302	1773	1781	1797	rBV	914898	1569991	82.52%	10.265%
11	14.124	1915	1921	1936	rVB	155050	257027	13.51%	1.681%
12	14.547	1988	1993	1999	rBV2	13456	20118	1.06%	0.132%
13	14.683	2008	2016	2024	rBV2	250158	434319	22.83%	2.840%
14	15.493	2150	2154	2160	rVB	23897	37332	1.96%	0.244%
15	15.899	2216	2223	2227	rBV4	8442	19080	1.00%	0.125%
16	16.175	2263	2270	2286	rBV	651865	1087680	57.17%	7.112%
17	16.357	2296	2301	2317	rVB	27367	59558	3.13%	0.389%
18	17.144	2431	2435	2441	rBV3	15150	23725	1.25%	0.155%
19	17.426	2476	2483	2488	rBV2	290947	503016	26.44%	3.289%
20	17.468	2488	2490	2497	rVB	42978	61998	3.26%	0.405%
21	17.773	2535	2542	2547	rBV6	14618	28993	1.52%	0.190%
22	18.349	2635	2640	2646	rVB4	14860	28430	1.49%	0.186%
23	18.484	2658	2663	2668	rBV4	17867	35996	1.89%	0.235%
24	19.201	2779	2785	2790	rBV3	27791	48514	2.55%	0.317%
25	19.359	2805	2812	2815	rBV5	14704	30016	1.58%	0.196%
26	19.471	2824	2831	2838	rBV	184208	295725	15.54%	1.934%
27	19.694	2862	2869	2875	rBV2	77017	106730	5.61%	0.698%
28	19.829	2884	2892	2900	rVV	174972	346871	18.23%	2.268%
29	19.900	2900	2904	2909	rVB4	16854	26761	1.41%	0.175%
30	20.023	2918	2925	2938	rBV	1296400	1902648	100.00%	12.440%
31	20.153	2941	2947	2948	rBV4	19136	31306	1.65%	0.205%
32	20.300	2964	2972	2982	rBV5	31874	99584	5.23%	0.651%
33	20.482	2996	3003	3008	rVV2	26447	48465	2.55%	0.317%
34	20.617	3023	3026	3031	rBV	19659	29467	1.55%	0.193%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

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-BG060616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.664	3031	3034	3037	rVV3	19514	26537	1.39%	0.174%
36	20.728	3041	3045	3051	rVV	52905	74714	3.93%	0.489%
37	21.087	3102	3106	3112	rVB3	24945	41818	2.20%	0.273%
38	21.263	3132	3136	3138	rBV4	17771	26311	1.38%	0.172%
39	21.298	3139	3142	3148	rVV5	45191	74353	3.91%	0.486%
40	21.357	3149	3152	3157	rVB4	19669	29340	1.54%	0.192%
41	21.545	3180	3184	3189	rBV3	11392	19752	1.04%	0.129%
42	21.686	3199	3208	3213	rBV2	291341	661627	34.77%	4.326%
43	21.833	3230	3233	3238	rVB3	17979	28084	1.48%	0.184%
44	22.426	3329	3334	3335	rBV3	12870	21270	1.12%	0.139%
45	23.478	3508	3513	3518	rBV9	9480	24029	1.26%	0.157%
46	23.907	3576	3586	3604	rVB6	88732	395763	20.80%	2.588%
47	24.154	3622	3628	3629	rBV5	11396	20380	1.07%	0.133%
48	24.624	3699	3708	3717	rBV2	39191	124091	6.52%	0.811%
49	24.771	3726	3733	3745	rVB2	41355	121044	6.36%	0.791%
50	24.924	3745	3759	3770	rBV2	147304	479484	25.20%	3.135%
51	25.975	3930	3938	3949	rVB5	28213	95315	5.01%	0.623%
52	28.631	4379	4390	4400	rBV5	15250	67756	3.56%	0.443%

Sum of corrected areas: 15294327

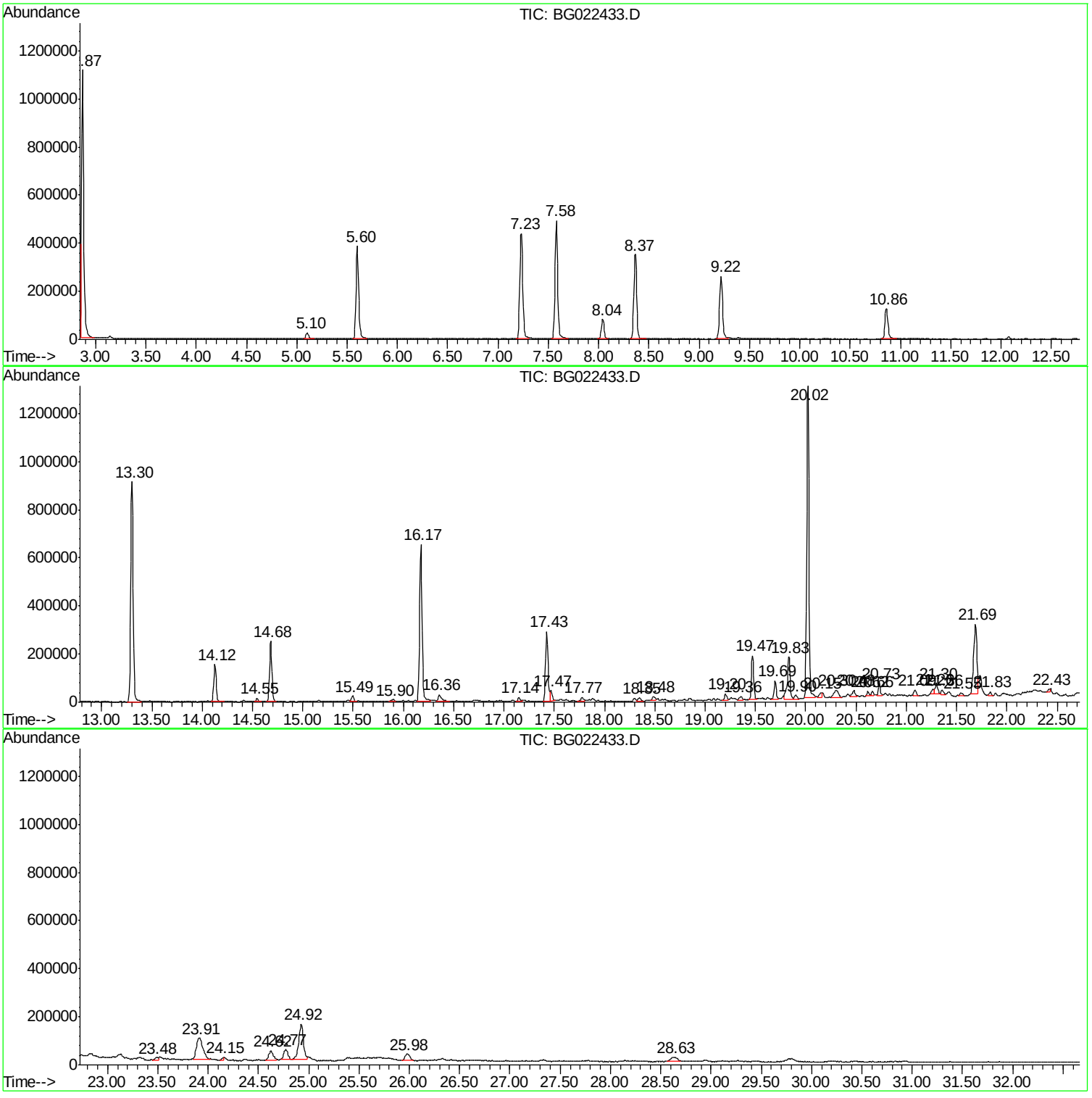
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

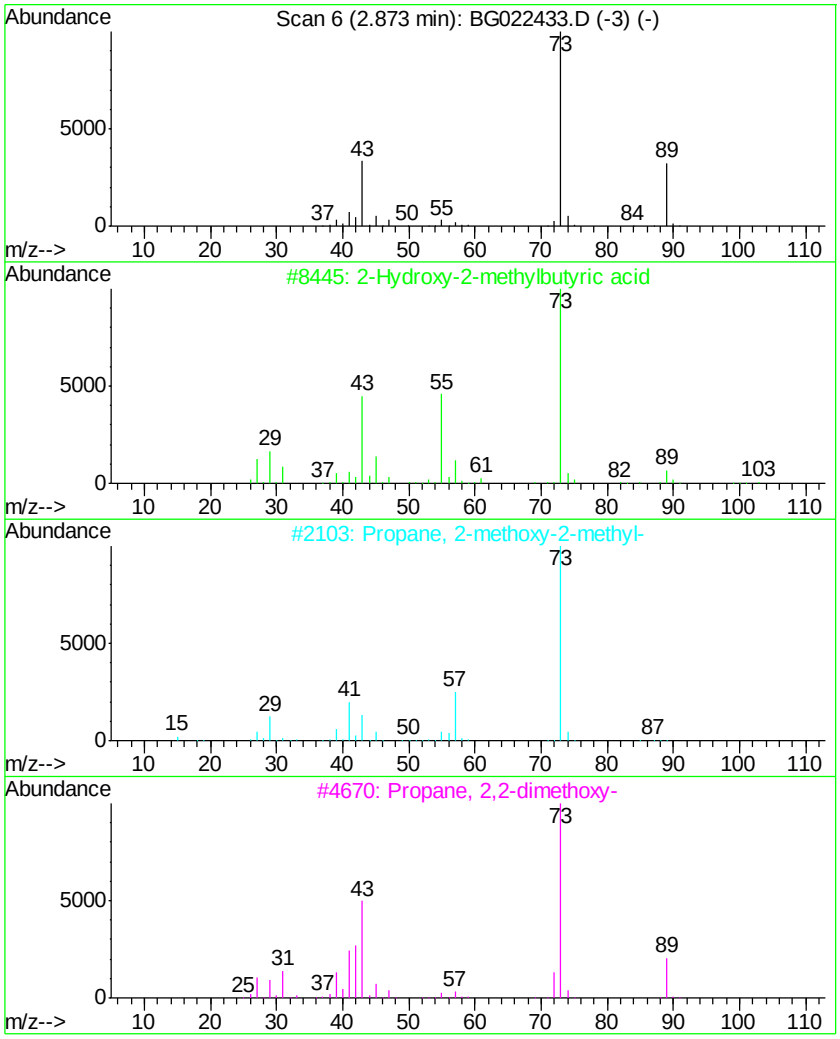
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

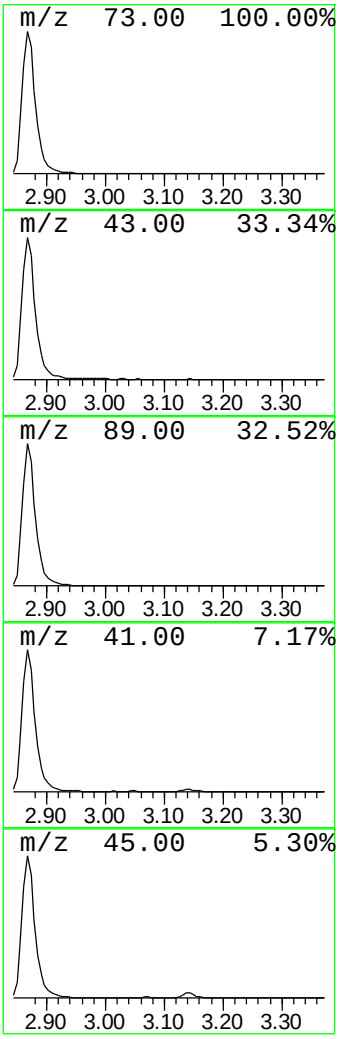
****

Peak Number 1 unknown2.87 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	207.34 ng	1566360	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	28
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	7





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

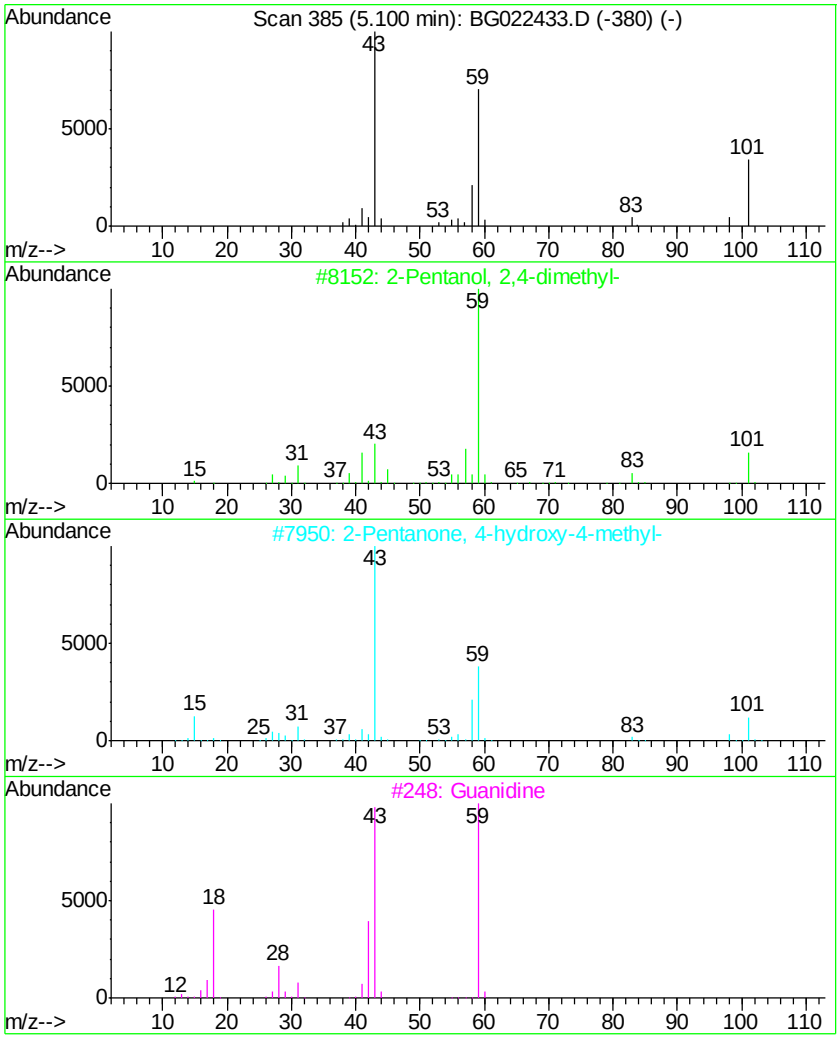
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

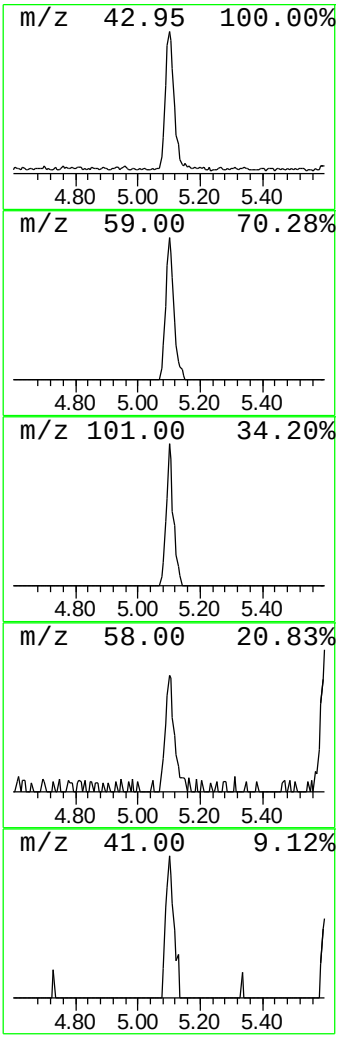
****

Peak Number 2 2-Pentanol, 2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	6.30 ng	47627	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	50
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	Guanidine	59	CH5N3	000113-00-8	38
4	5-Hexen-2-one	98	C6H10O	000109-49-9	14
5	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

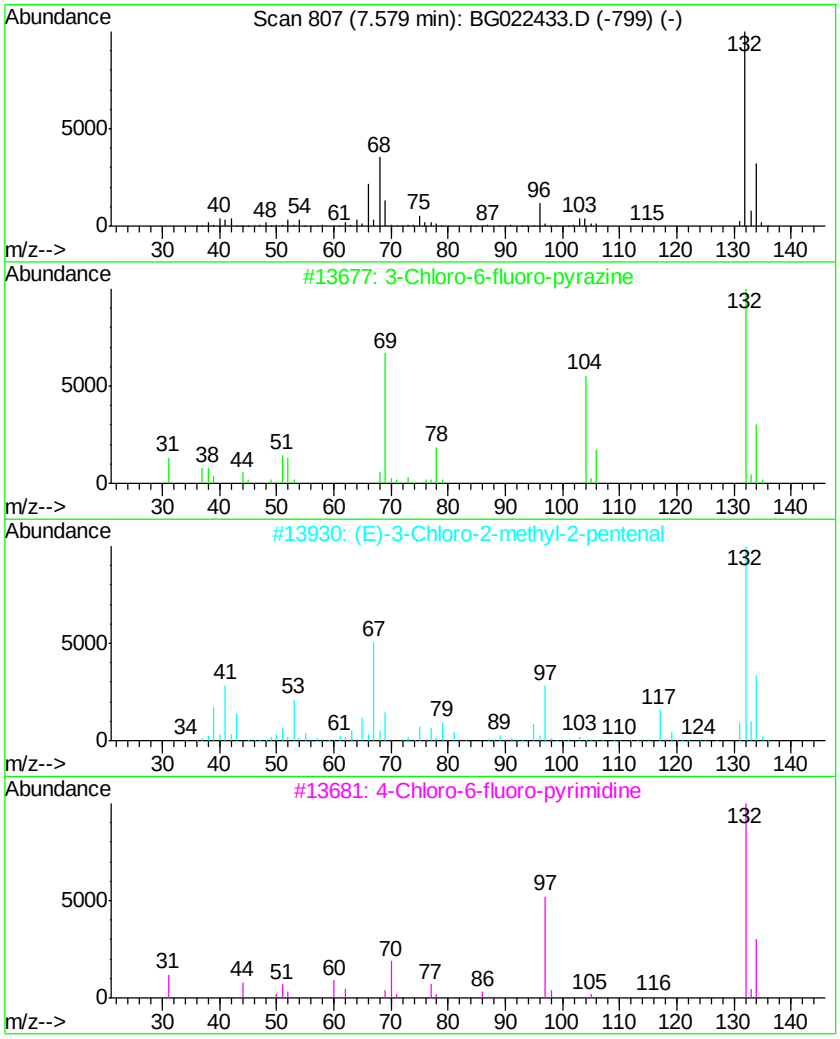
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

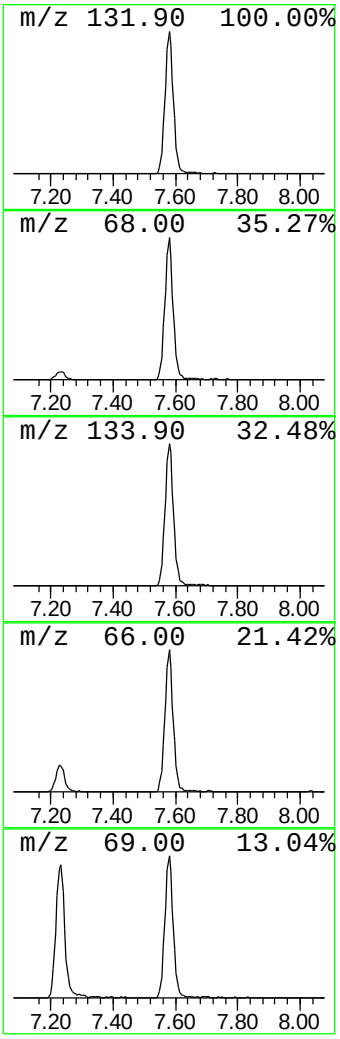
****

Peak Number 3 unknown7.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	124.35 ng	939398	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

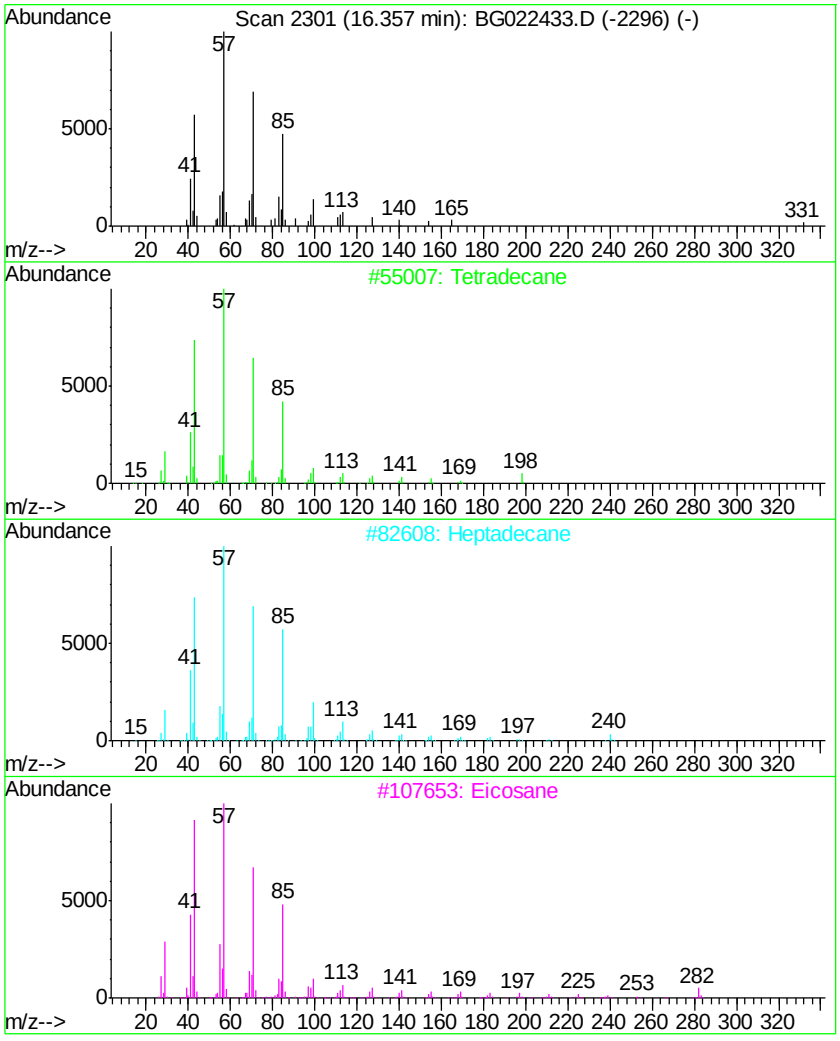
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

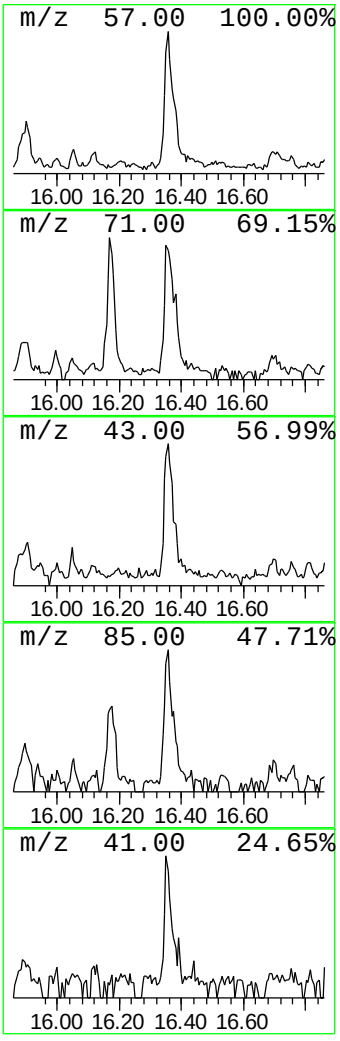
****

Peak Number 5 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	2.37 ng	59558	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Eicosane	282	C20H42	000112-95-8	90
4	10-Methylnonadecane	282	C20H42	056862-62-5	86
5	Hexadecane	226	C16H34	000544-76-3	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

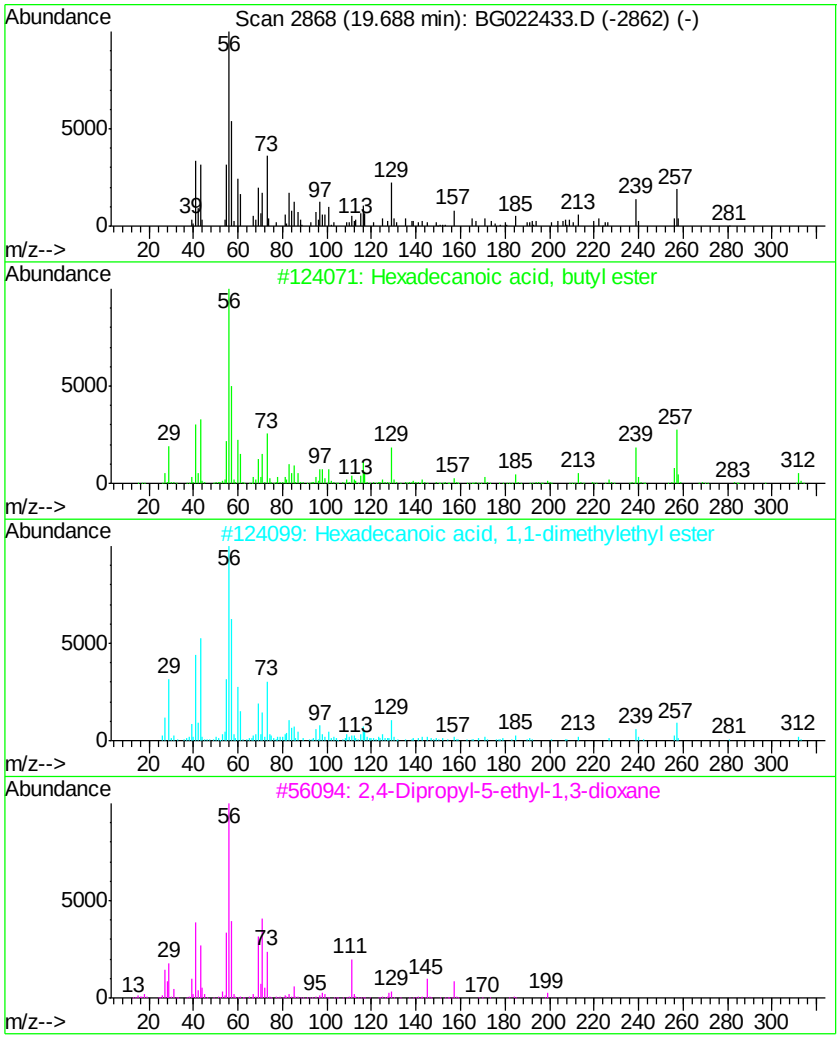
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

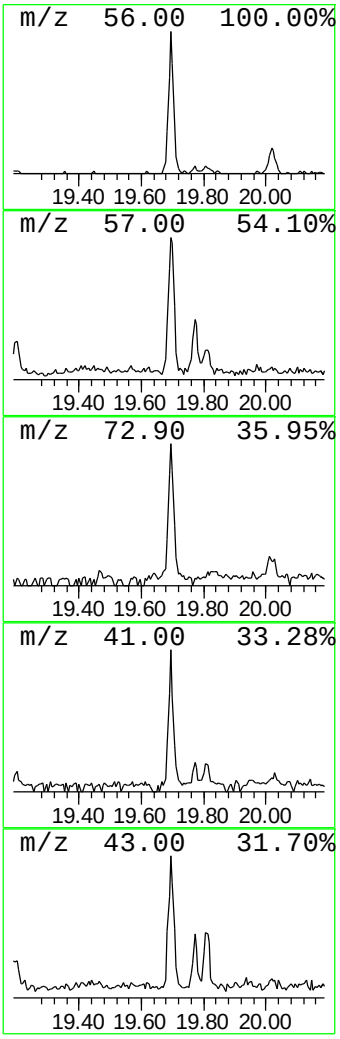
****

Peak Number 6 Hexadecanoic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	3.23 ng	106730	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	97
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	97
3	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	37
4	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	35
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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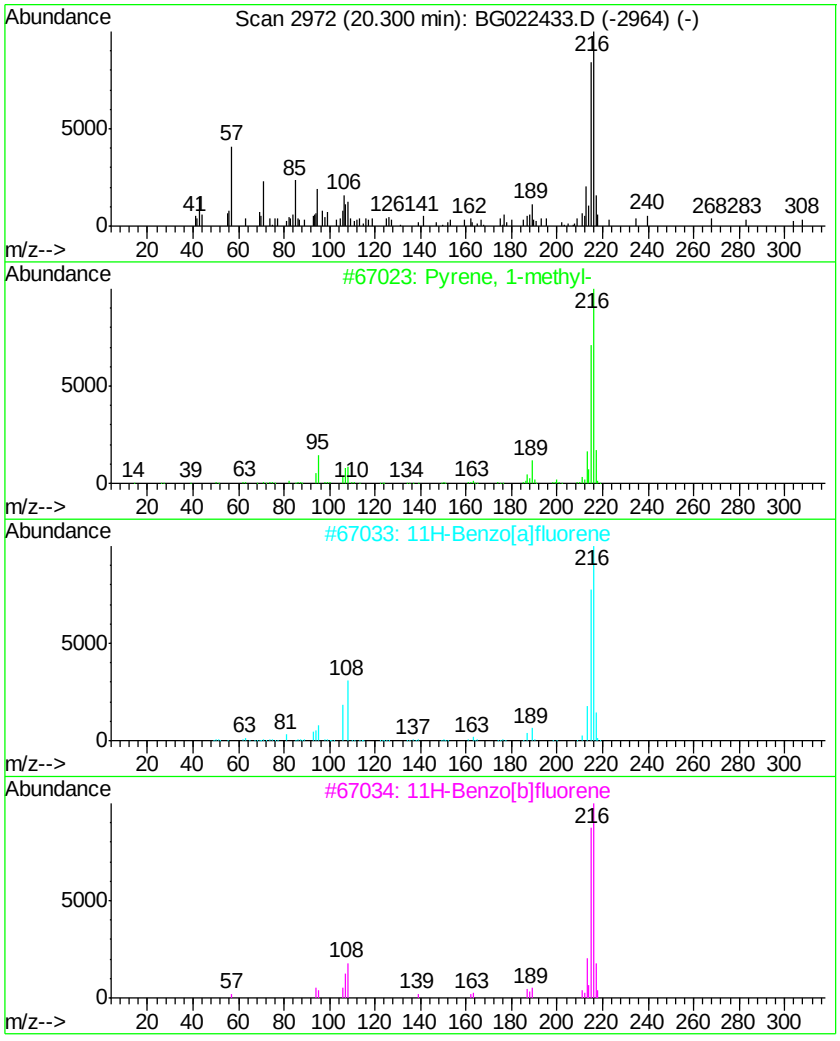
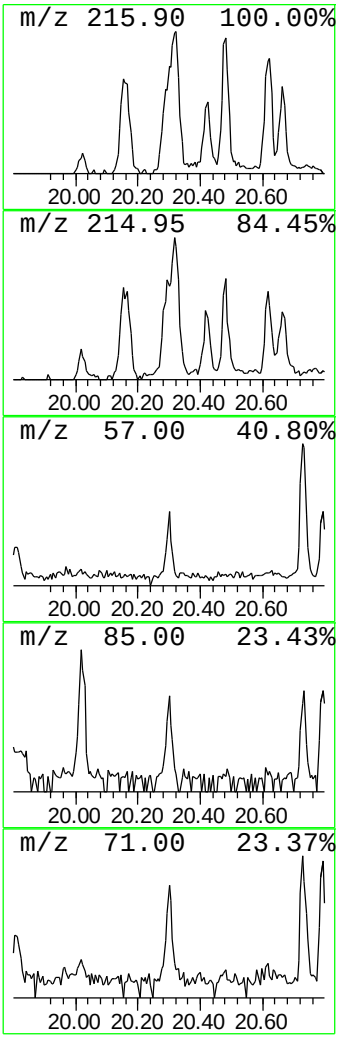
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	3.01 ng	99584	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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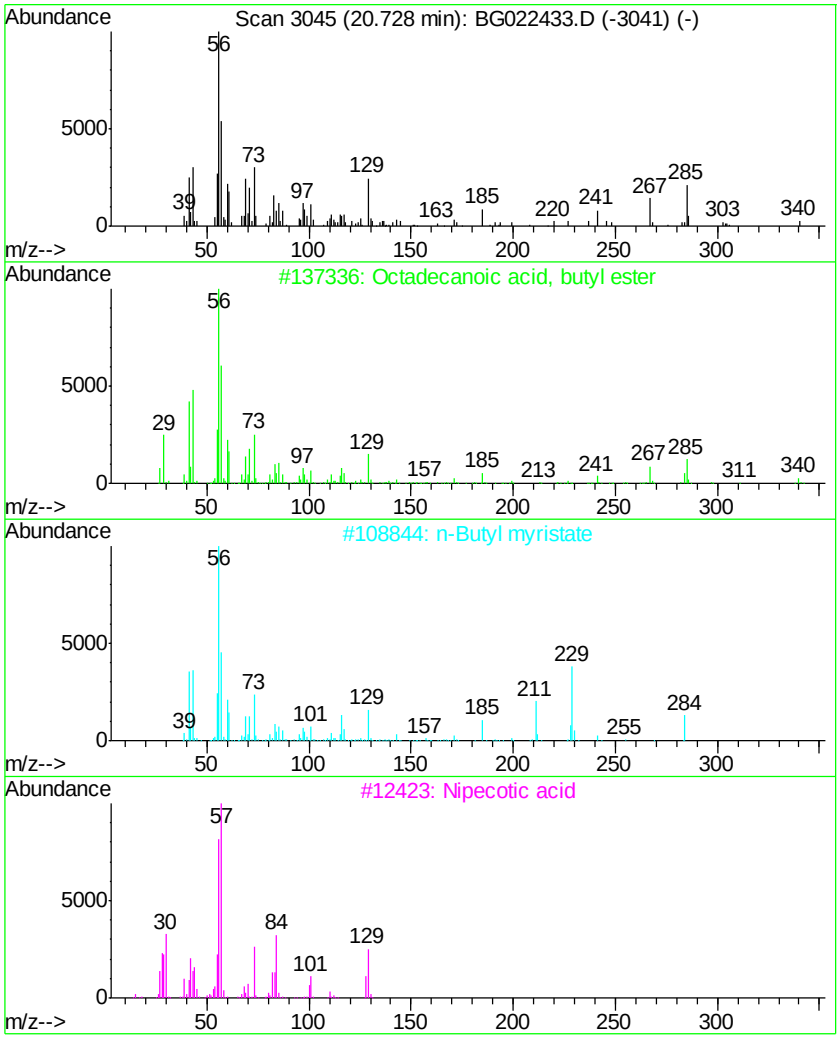
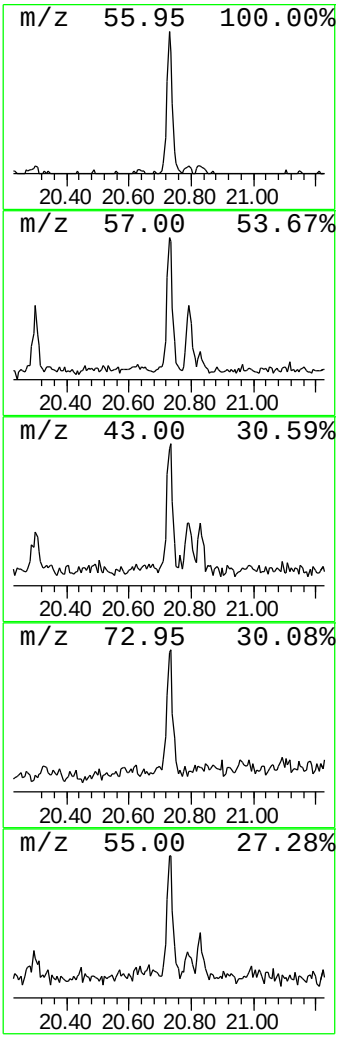
Peak Number 8 Octadecanoic acid, butyl ester Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.26 ng	74714	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	95
2	n-Butyl myristate	284	C18H36O2	000110-36-1	59
3	Nipecotic acid	129	C6H11NO2	000498-95-3	38
4	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	30
5	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

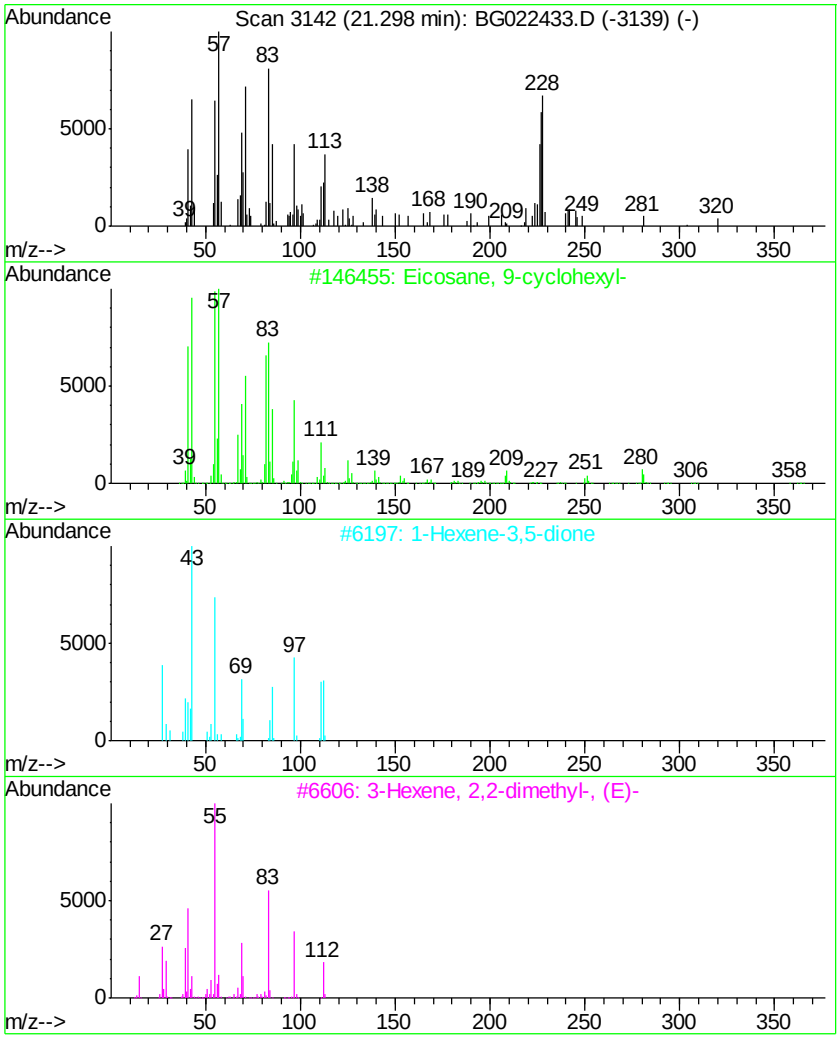
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

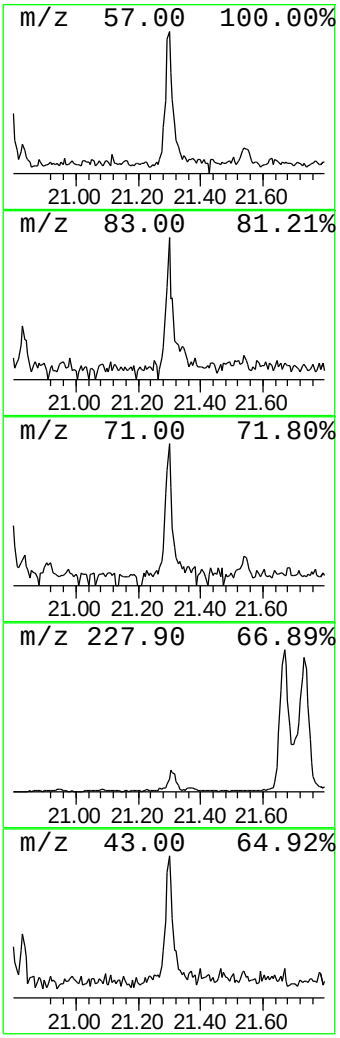
****

Peak Number 9 unknown21.30 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.25 ng	74353	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-cyclohexyl-	364	C26H52	004443-61-2	38
2	1-Hexene-3,5-dione	112	C6H8O2	052204-69-0	38
3	3-Hexene, 2,2-dimethyl-, (E)-	112	C8H16	000690-93-7	30
4	trans-2,2-Dimethyl-3-hexene	112	C8H16	003123-93-1	30
5	17-Pentatriacontene	491	C35H70	006971-40-0	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

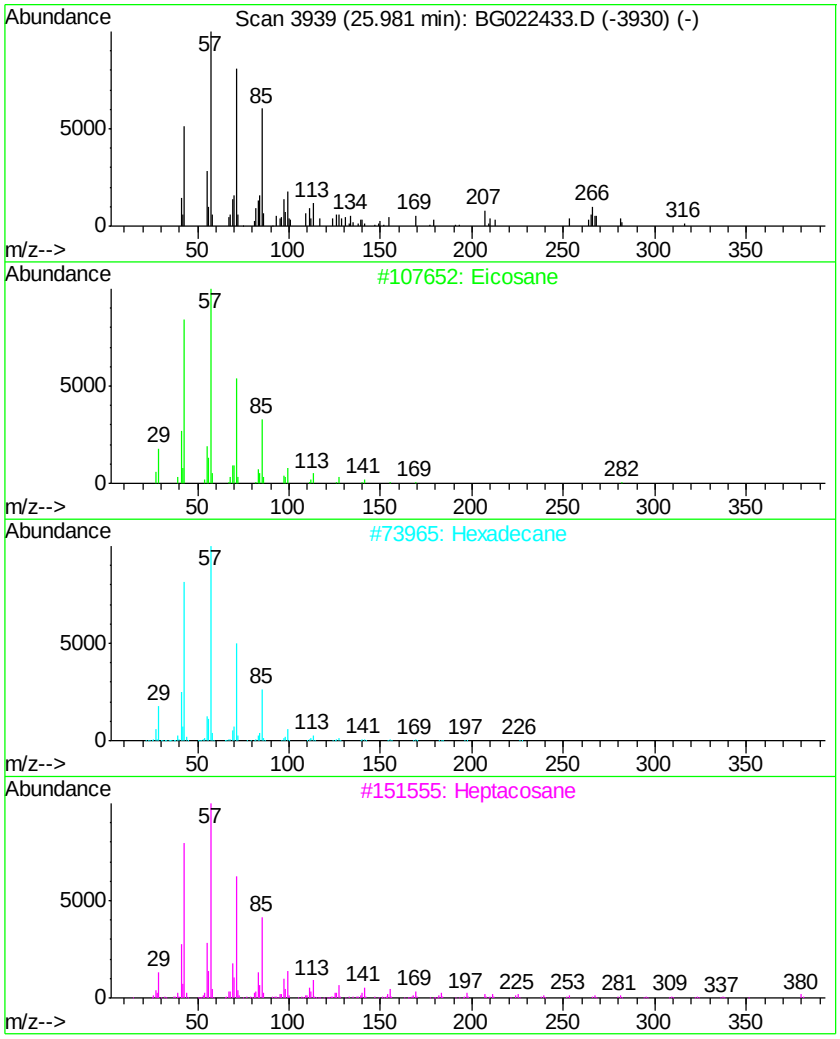
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

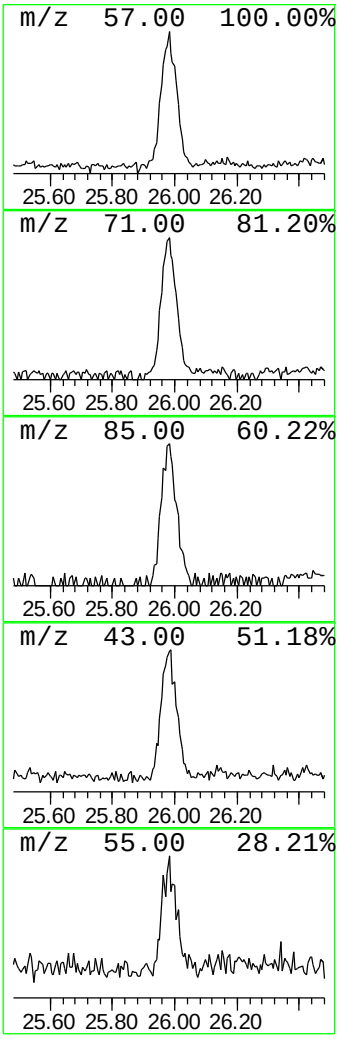
****

Peak Number 11 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.98	3.98 ng	95315	Perylene-d12	24.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Hexadecane	226	C16H34	000544-76-3	70
3	Heptacosane	380	C27H56	000593-49-7	58
4	Nonadecane	268	C19H40	000629-92-5	58
5	Hexacosane	366	C26H54	000630-01-3	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1045-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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
unknown2.87	2.87	207.3	ng	1566360	1	8.04	151092	20.0
2-Pentanol, 2,4-d...	5.10	6.3	ng	47627	1	8.04	151092	20.0
unknown7.58	7.58	124.3	ng	939398	1	8.04	151092	20.0
Tetradecane	16.36	2.4	ng	59558	4	17.43	503016	20.0
Hexadecanoic acid...	19.69	3.2	ng	106730	5	21.69	661627	20.0
Pyrene, 1-methyl-	20.30	3.0	ng	99584	5	21.69	661627	20.0
Octadecanoic acid...	20.73	2.3	ng	74714	5	21.69	661627	20.0
unknown21.30	21.30	2.3	ng	74353	5	21.69	661627	20.0
Eicosane	25.98	4.0	ng	95315	6	24.92	479484	20.0