LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
Data File : BG021712.D
Acq On : 16 Apr 2016 11:24
Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R09-CS-1(0-32FTBGS)

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-BG041316.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	3.099	39	44	64	rBV	2704354	4127317	100.00%	24.403%
2	5.296	411	418	428	rVB	26473	43858	1.06%	0.259%
3	5.766	491	498	507	rBV	566365	947505	22.96%	5.602%
4	7.376	763	772	780	rBV	607298	1072284	25.98%	6.340%
5	7.752	827	836	846	rVB	577601	1027622	24.90%	6.076%
6	8.216	908	915	921	rBV	94067	160107	3.88%	0.947%
7	8.539	962	970	978	rBV	423634	751342	18.20%	4.442%
8	9.385	1106	1114	1125	rBV	376901	668910	16.21%	3.955%
9	11.031	1388	1394	1402	rBV	133610	250282	6.06%	1.480%
10	13.451	1797	1806	1813	rBV	975394	1537982	37.26%	9.093%
11	14.268	1939	1945	1950	rBV	83645	124476	3.02%	0.736%
12	14.826	2033	2040	2050	rVB2	223590	362984	8.79%	2.146%
13	16.307	2285	2292	2301	rVB	797582	1238920	30.02%	7.325%
14	16.495	2320	2324	2328	rBV	32517	47036	1.14%	0.278%
15	17.558	2499	2505	2511	rBV2	295871	458157	11.10%	2.709%
16	18.833	2717	2722	2728	rBV4	31008	48960	1.19%	0.289%
17	19.015	2747	2753	2761	rBV	181899	255842	6.20%	1.513%
18	19.638	2855	2859	2863	rBV2	47066	62748	1.52%	0.371%
19	19.949	2909	2912	2918	rVB2	37867	57246	1.39%	0.338%
20	20.143	2939	2945	2951	rBV	1593343	2083466	50.48%	12.319%
21	20.355	2977	2981	2987	rBV	297092	409487	9.92%	2.421%
22	21.830	3227	3232	3242	rVB	323295	538004	13.04%	3.181%
23	23.551	3520	3525	3533	rVB	57975	116968	2.83%	0.692%
24	25.167	3792	3800	3812	rVB	180943	521795	12.64%	3.085%

Sum of corrected areas: 16913298

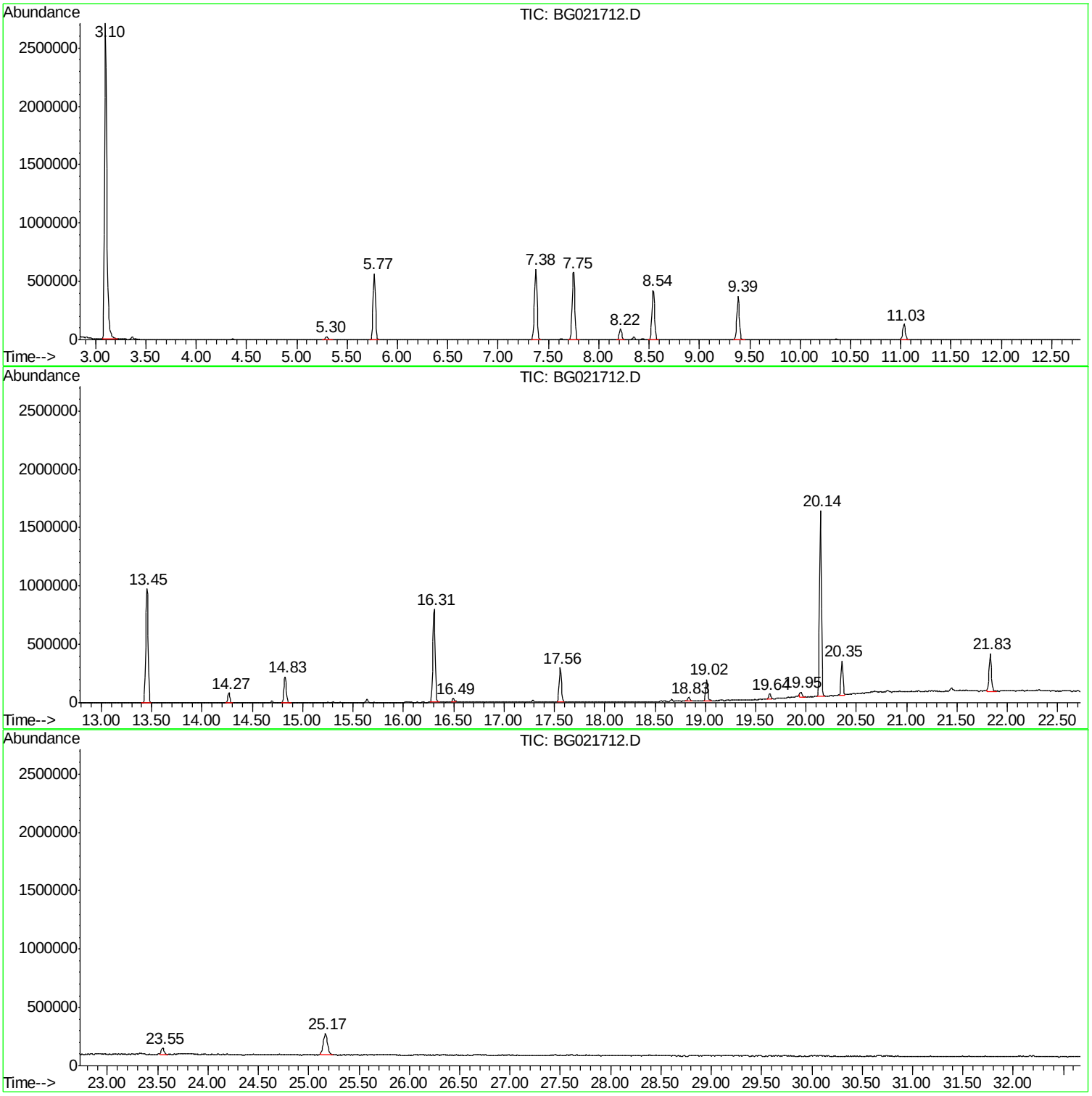
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
Data File : BG021712.D
Acq On : 16 Apr 2016 11:24
Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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\BG041516\
Data File : BG021712.D
Acq On : 16 Apr 2016 11:24
Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

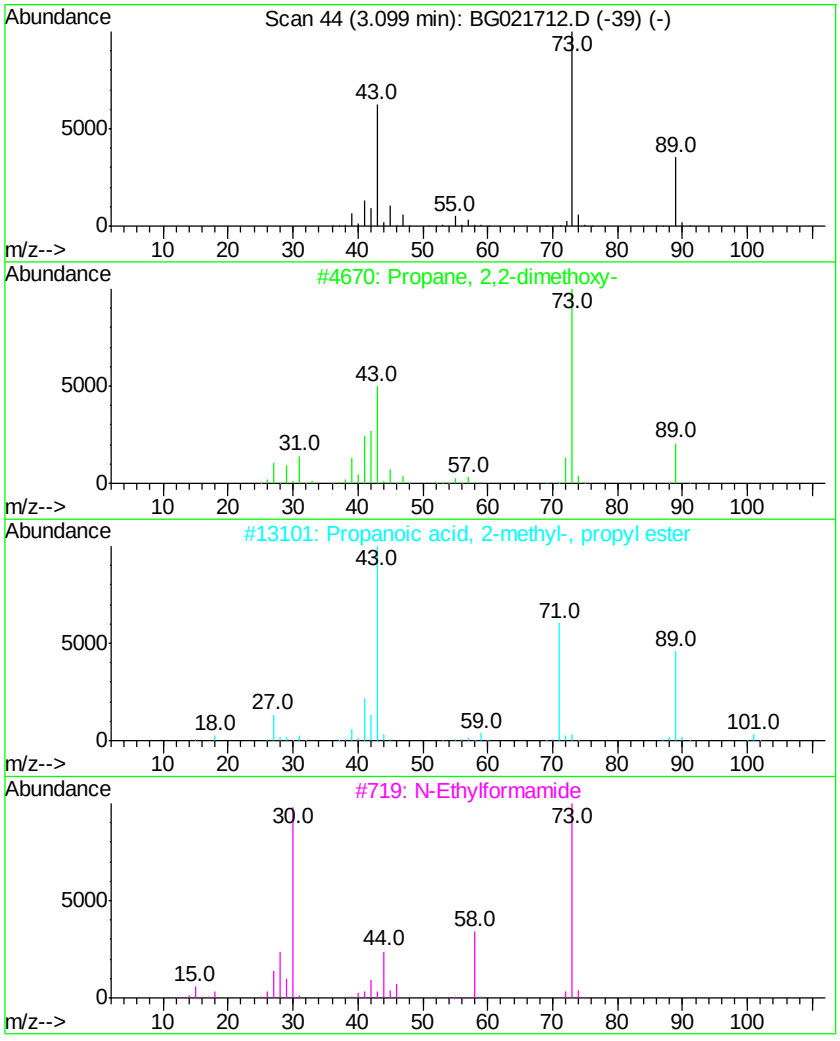
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

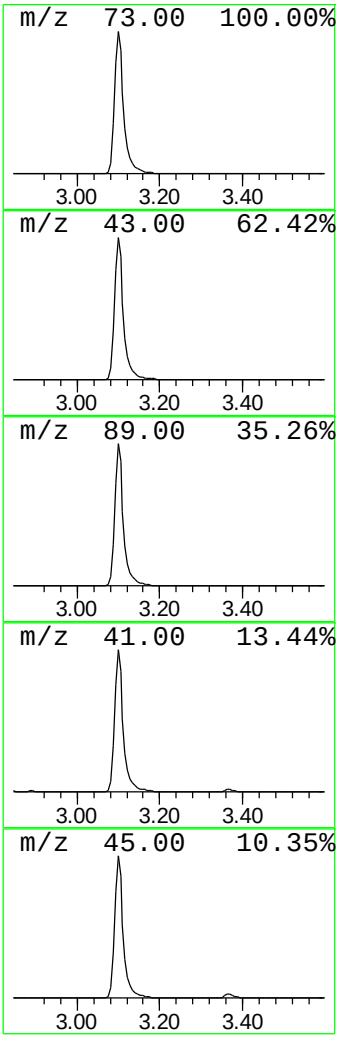
****

Peak Number 1 unknown3.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	515.57 ng	4127320	1,4-Dichlorobenzene-d4	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	16
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
Data File : BG021712.D
Acq On : 16 Apr 2016 11:24
Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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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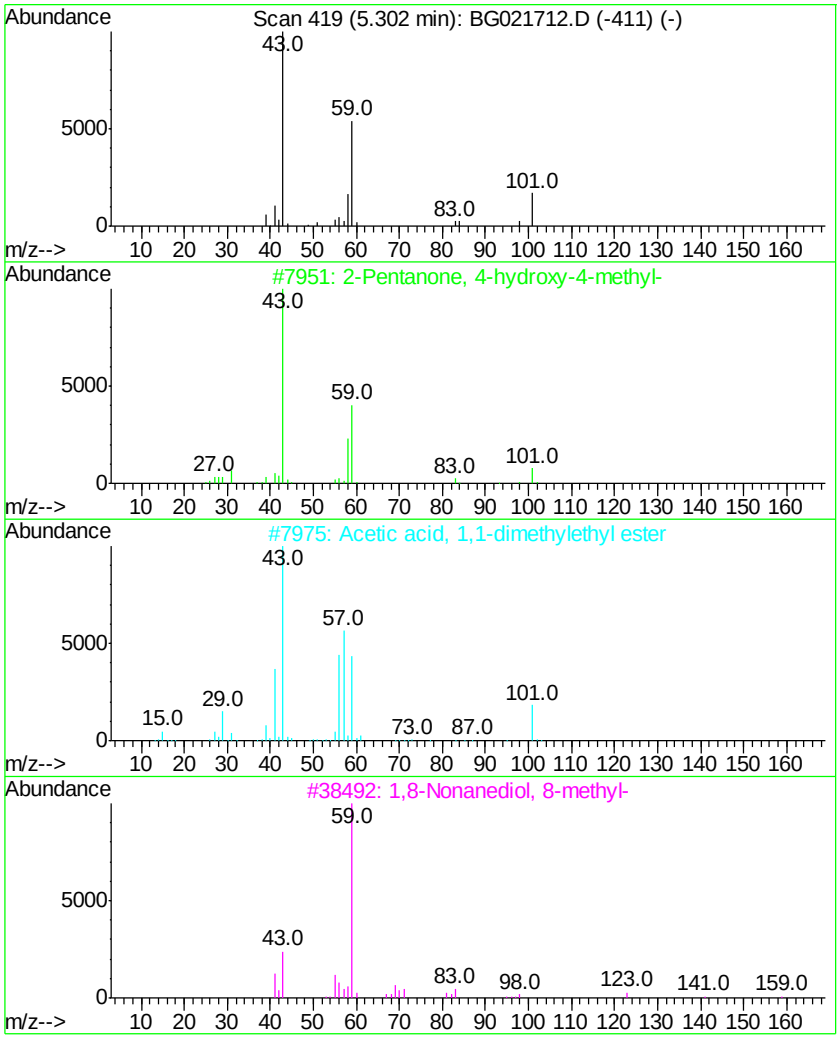
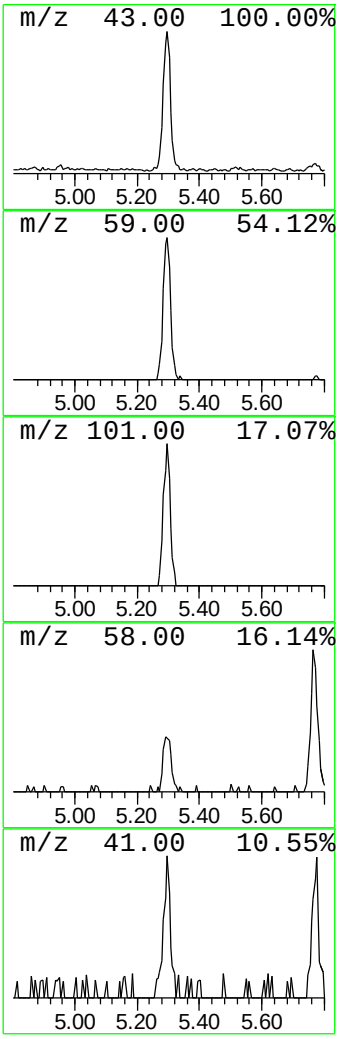
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.30	5.48 ng	43858	1,4-Dichlorobenzene-d4	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	38
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	32
5	Diacetamide	101	C4H7NO2	000625-77-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
Data File : BG021712.D
Acq On : 16 Apr 2016 11:24
Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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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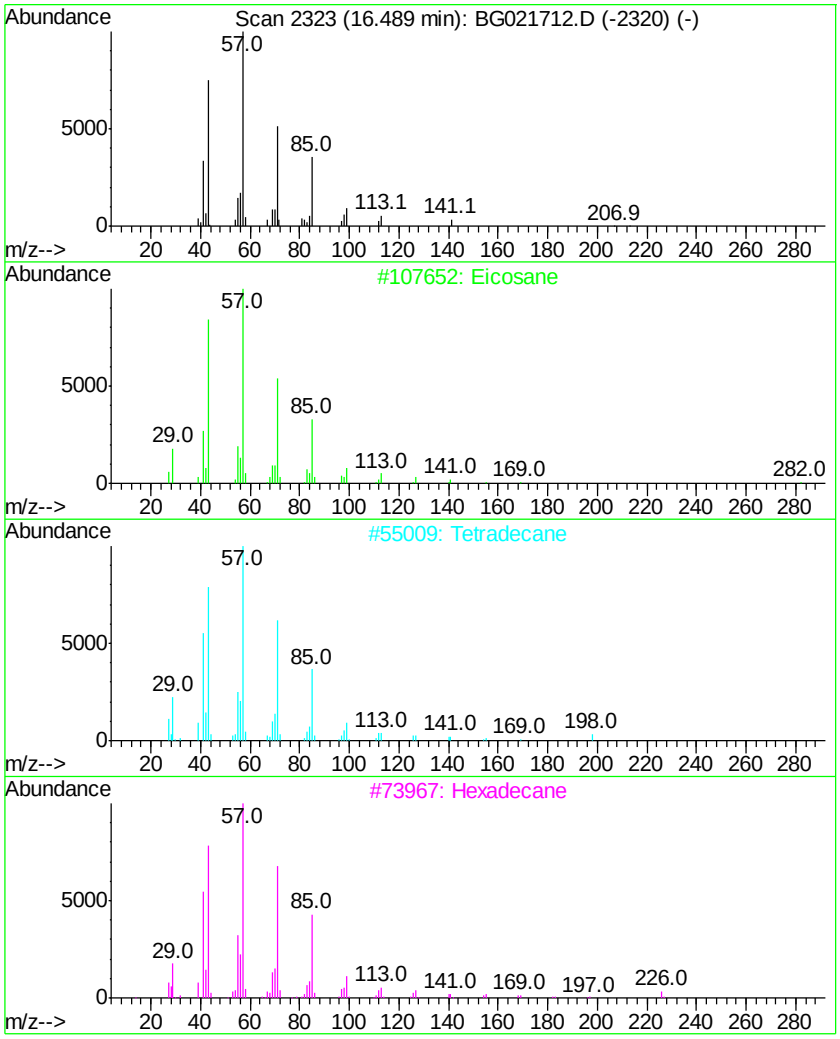
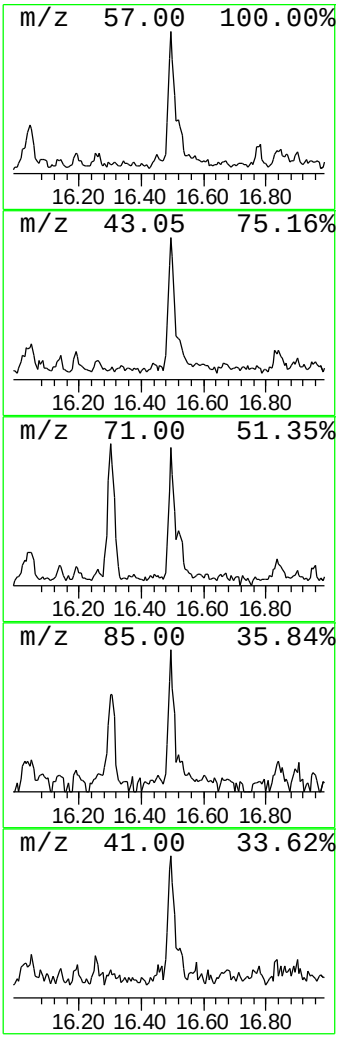
Peak Number 5 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.05 ng	47036	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tridecane	184	C13H28	000629-50-5	86
5	Pentadecane	212	C15H32	000629-62-9	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
Data File : BG021712.D
Acq On : 16 Apr 2016 11:24
Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

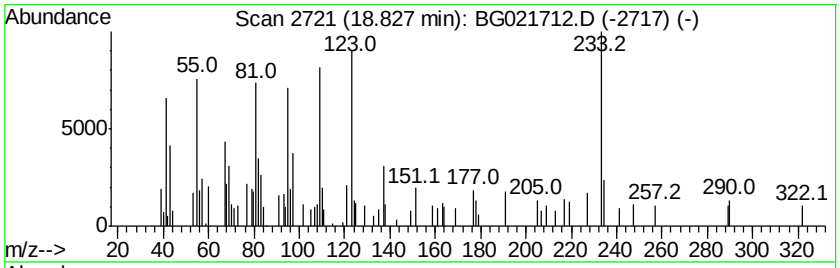
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

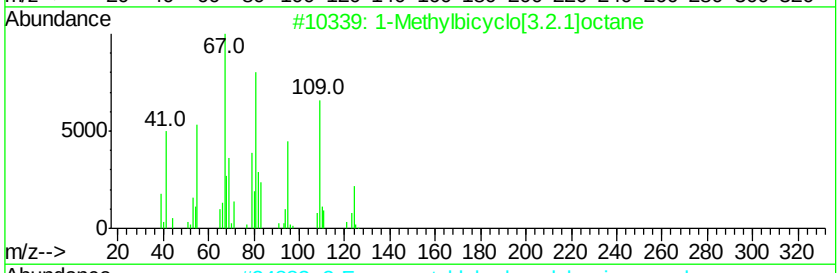
****

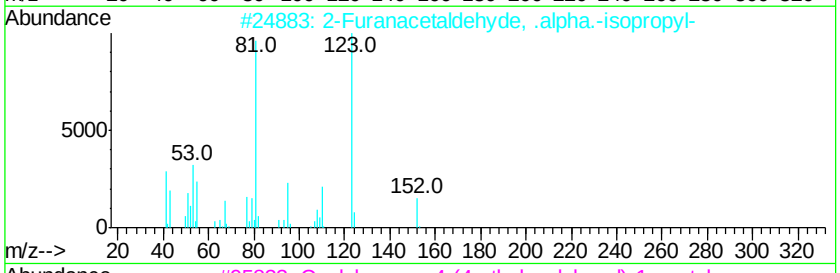
Peak Number 6 unknown18.83 Concentration Rank 9

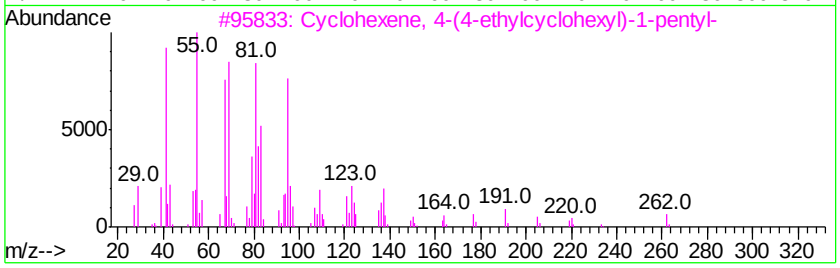
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	2.14 ng	48960	Phenanthrene-d10	17.56

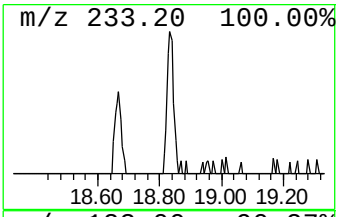
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	38
2	2-Furanacetaldehyde, .alpha.-iso...	152	C9H12O2	031681-30-8	30
3	Cyclohexene, 4-(4-ethylcyclohexy...	262	C19H34	301643-32-3	25
4	di-t-Butylacetylene	138	C10H18	017530-24-4	22
5	Photocitral a	152	C10H16O	1000292-85-0	14

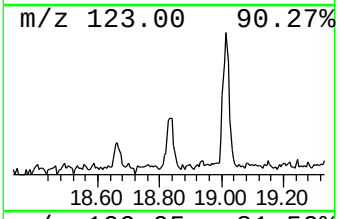


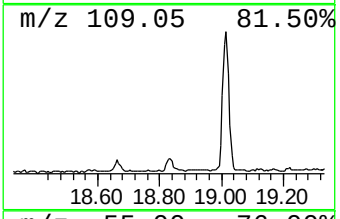


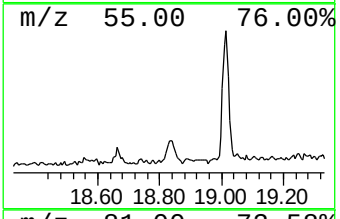


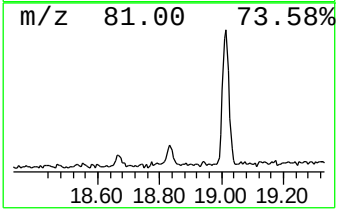












Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
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Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

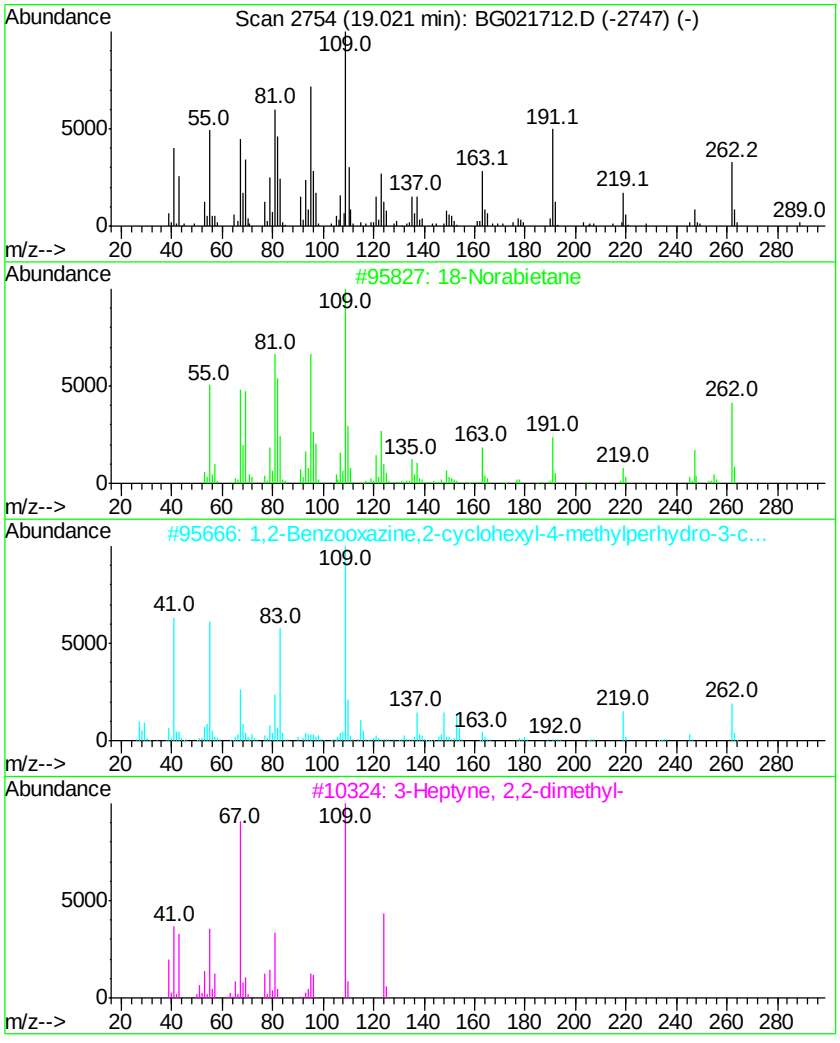
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

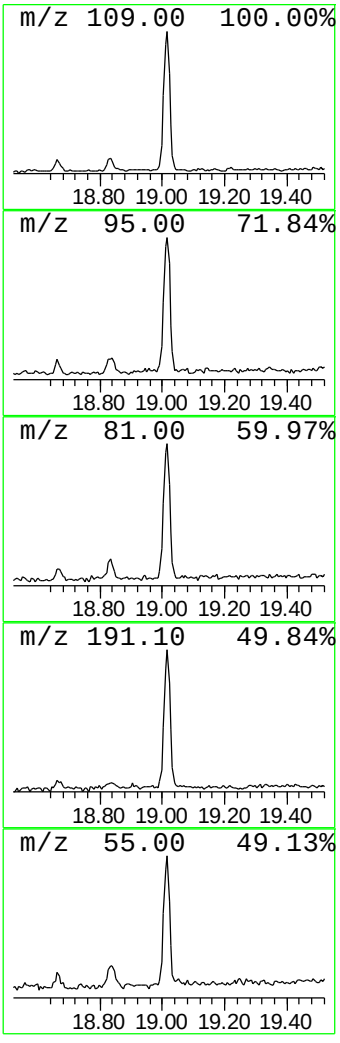
****

Peak Number 7 18-Norabietane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	11.17 ng	255842	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	50
2	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	30
3	3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	25
4	2-Hydrazinopyridine	109	C5H7N3	004930-98-7	18
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	18





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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

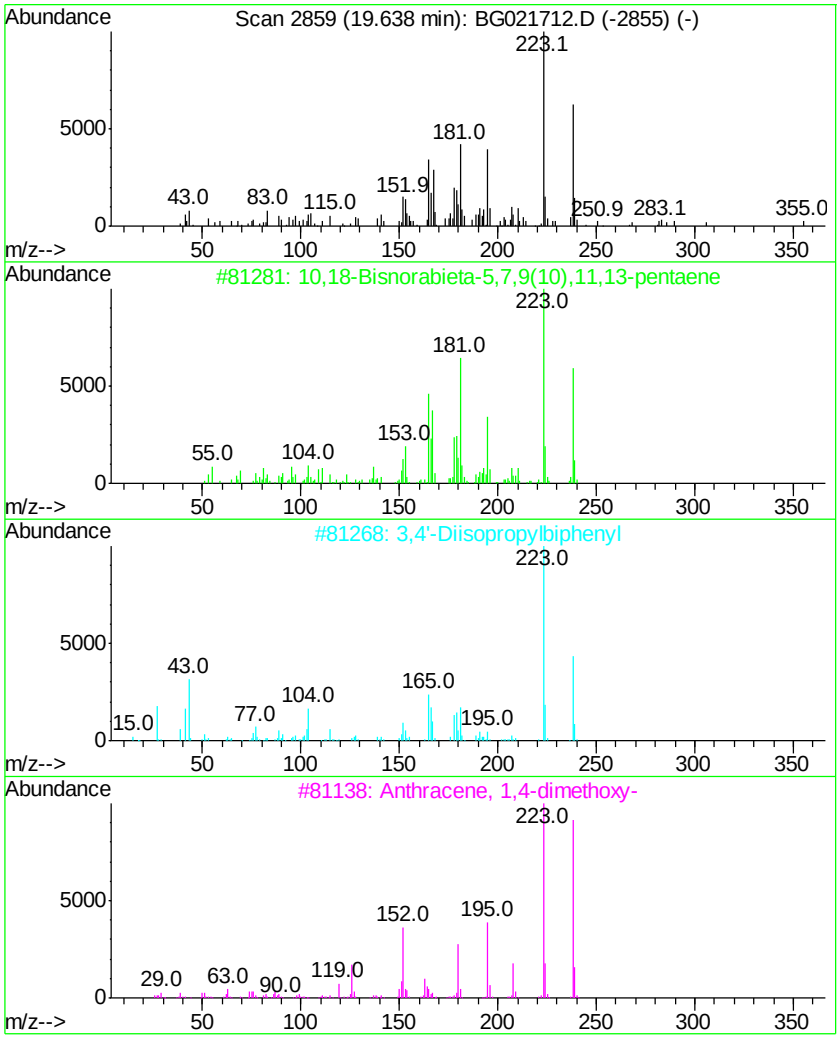
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

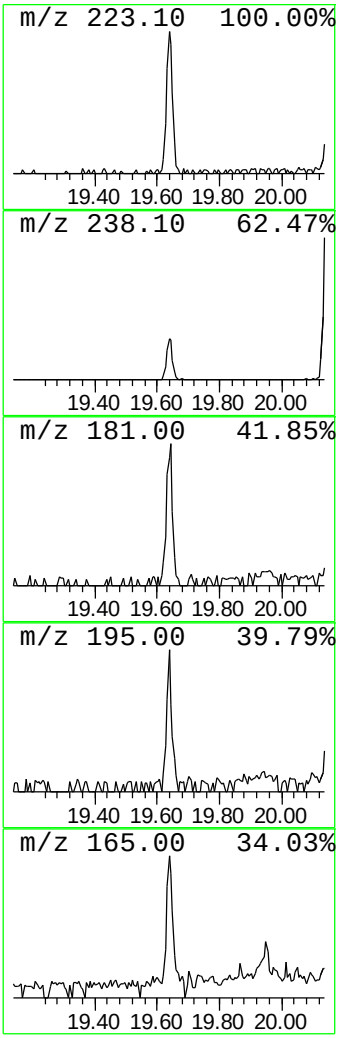
****

Peak Number 8 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	2.74 ng	62748	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	94
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	64
3	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	50
4	1,11,11-Trimethyl-1,2,3,4-tetrah...	238	C16H18N2	1000210-51-9	46
5	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	43





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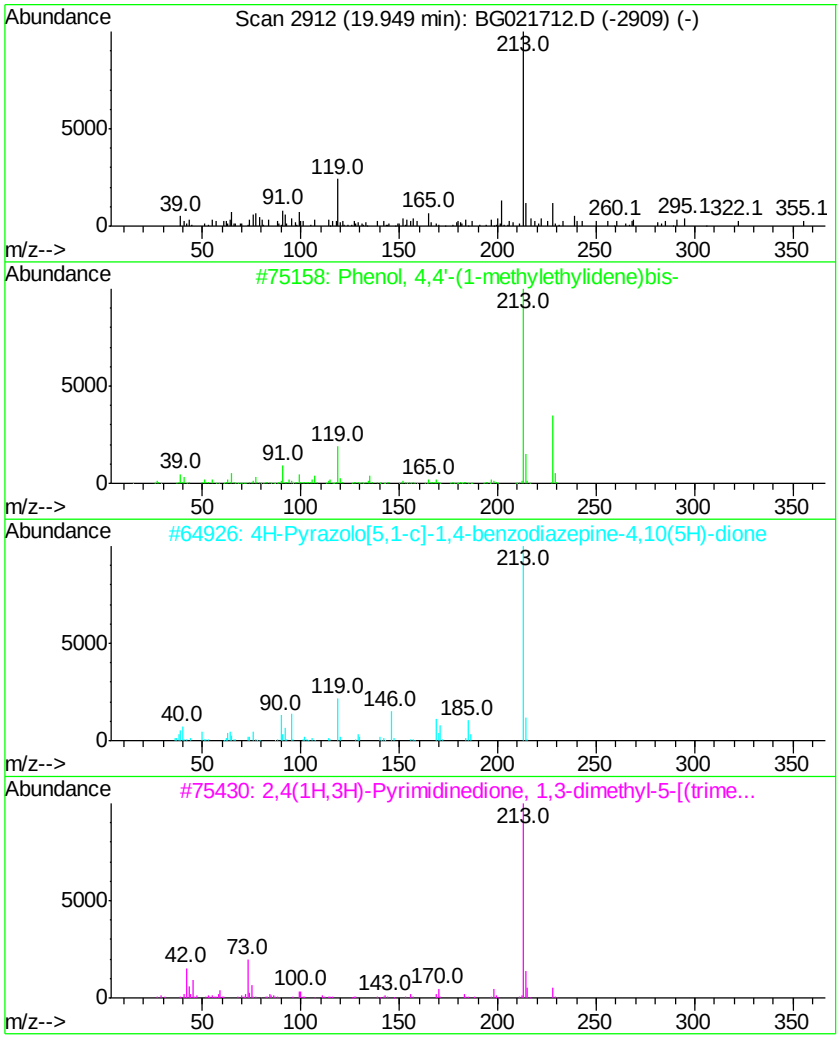
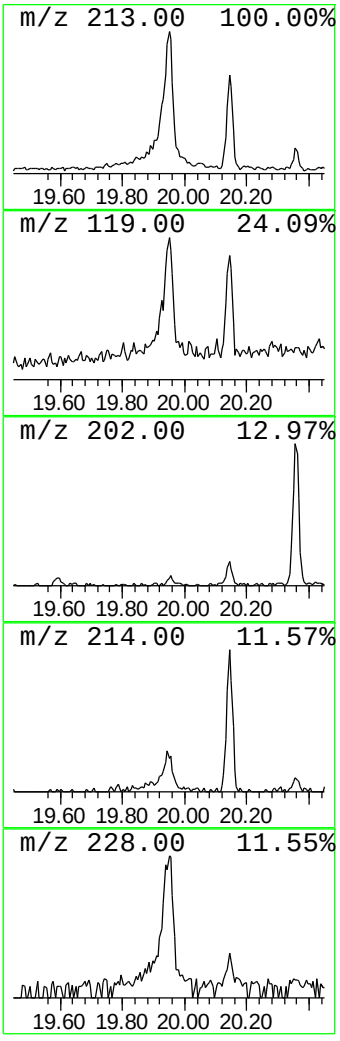
****

Peak Number 9 Phenol, 4,4'-(1-methylethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	2.13 ng	57246	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	64
2	4H-Pyrazolo[5,1-c]-1,4-benzodiaz...	213	C11H7N3O2	1000277-20-1	59
3	2,4(1H,3H)-Pyrimidinedione, 1,3-...	228	C9H16N2O3Si	089447-84-7	50
4	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	47
5	2-Methylphenothiazine	213	C13H11NS	005828-51-3	42





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Data File : BG021712.D
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Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

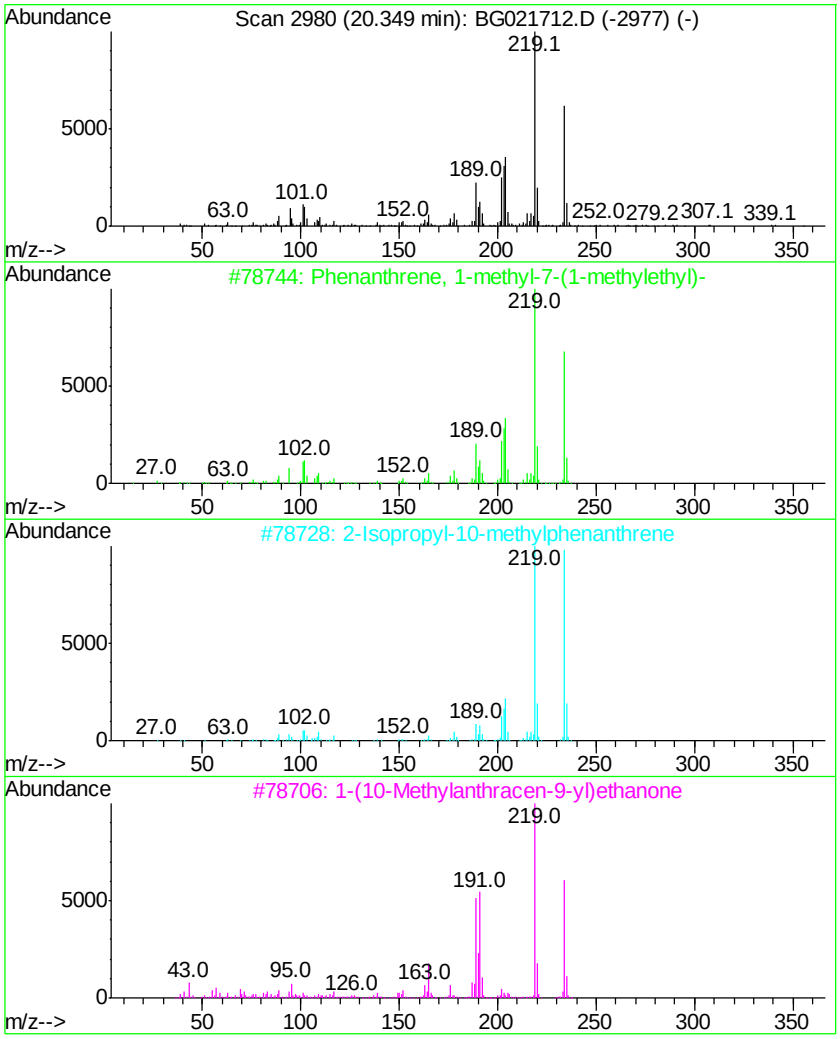
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

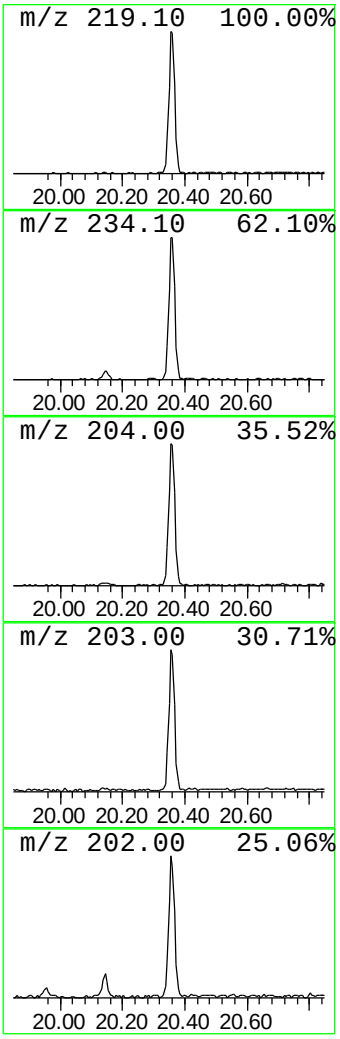
****

Peak Number 10 Phenanthrene, 1-methyl-7-(1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	15.22 ng	409487	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	86
4	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	76
5	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
Data File : BG021712.D
Acq On : 16 Apr 2016 11:24
Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

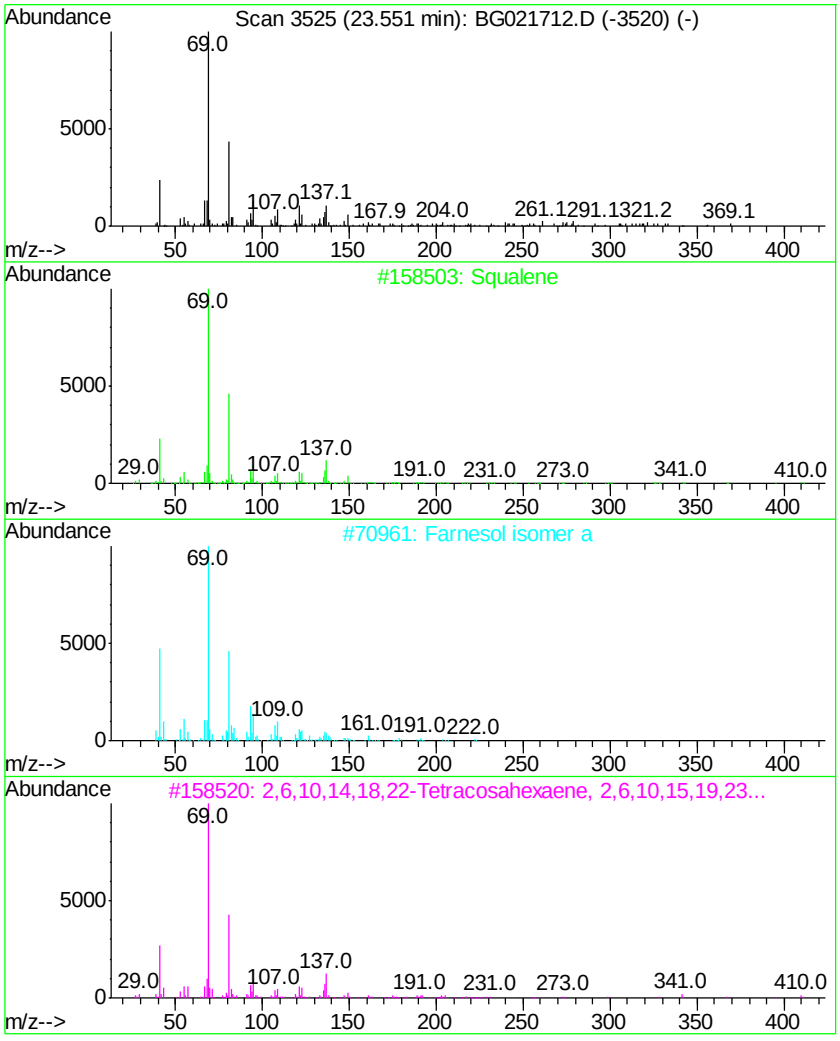
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

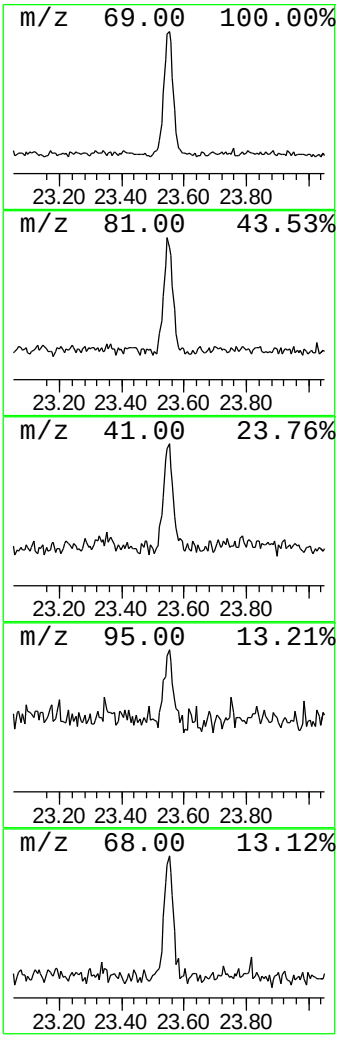
****

Peak Number 11 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.55	4.48 ng	116968	Perylene-d12	25.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	83
2	Farnesol isomer a	222	C15H26O	1000108-92-4	81
3	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	80
4	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	74
5	3,7,11-Tridecatrienenitrile, 4,8...	231	C16H25N	006006-01-5	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041516\
Data File : BG021712.D
Acq On : 16 Apr 2016 11:24
Operator : UM/SJ
Sample : H2559-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FB-BWR-BB-R09-CS-1(0-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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
unknown3.10	3.10	515.6	ng	4127320	1	8.22	160107	20.0
2-Pentanone, 4-hy...	5.30	5.5	ng	43858	1	8.22	160107	20.0
Eicosane	16.49	2.0	ng	47036	4	17.56	458157	20.0
unknown18.83	18.83	2.1	ng	48960	4	17.56	458157	20.0
18-Norabietane	19.02	11.2	ng	255842	4	17.56	458157	20.0
10,18-Bisnorabiet...	19.64	2.7	ng	62748	4	17.56	458157	20.0
Phenol, 4,4'-(1-m...	19.95	2.1	ng	57246	5	21.83	538004	20.0
Phenanthrene, 1-m...	20.35	15.2	ng	409487	5	21.83	538004	20.0
Squalene	23.55	4.5	ng	116968	6	25.17	521795	20.0