LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(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	26	rVB	1555605	2353556	100.00%	14.112%
2	5.100	379	385	395	rBV2	29918	59210	2.52%	0.355%
3	5.605	462	471	488	rBV	418688	823108	34.97%	4.936%
4	7.233	740	748	765	rBV	489351	980335	41.65%	5.878%
5	7.580	799	807	820	rBV	543239	1054936	44.82%	6.326%
6	8.044	878	886	894	rVB	105901	196015	8.33%	1.175%
7	8.367	933	941	950	rBV	449872	853302	36.26%	5.117%
8	9.219	1077	1086	1100	rBV	325824	666397	28.31%	3.996%
9	10.864	1358	1366	1372	rBV	169166	343315	14.59%	2.059%
10	10.911	1372	1374	1382	rVB	20384	29551	1.26%	0.177%
11	12.515	1641	1647	1653	rBV	21174	36334	1.54%	0.218%
12	12.732	1677	1684	1690	rBV2	18108	32631	1.39%	0.196%
13	13.302	1773	1781	1791	rBV	998607	1690868	71.84%	10.139%
14	13.996	1894	1899	1905	rBV3	14249	28974	1.23%	0.174%
15	14.054	1905	1909	1914	rVB4	16407	25300	1.07%	0.152%
16	14.131	1914	1922	1928	rBV	171672	283742	12.06%	1.701%
17	14.413	1964	1970	1979	rBV4	12649	31052	1.32%	0.186%
18	14.548	1987	1993	1998	rBV	19758	29138	1.24%	0.175%
19	14.683	2008	2016	2025	rVB2	283539	480321	20.41%	2.880%
20	15.083	2075	2084	2091	rBV5	9906	25342	1.08%	0.152%
21	15.453	2140	2147	2151	rBV3	14459	28639	1.22%	0.172%
22	15.494	2151	2154	2160	rVB	31502	48714	2.07%	0.292%
23	15.893	2216	2222	2228	rBV3	12349	25752	1.09%	0.154%
24	16.175	2263	2270	2281	rBV	509615	879719	37.38%	5.275%
25	16.358	2296	2301	2314	rVB2	32460	90414	3.84%	0.542%
26	16.963	2393	2404	2406	rBV8	11138	29243	1.24%	0.175%
27	17.145	2431	2435	2441	rBV2	26803	41022	1.74%	0.246%
28	17.427	2477	2483	2488	rBV2	294479	507380	21.56%	3.042%
29	17.468	2488	2490	2497	rVB	60720	84271	3.58%	0.505%
30	17.774	2538	2542	2548	rBV	24759	38918	1.65%	0.233%
31	17.885	2557	2561	2566	rVB	19666	30256	1.29%	0.181%
32	18.296	2627	2631	2635	rBV	16867	27429	1.17%	0.164%
33	18.349	2635	2640	2645	rVB2	25413	43387	1.84%	0.260%
34	18.484	2658	2663	2668	rBV5	26065	51561	2.19%	0.309%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(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	18.849	2720	2725	2730	rVV3	16895	27674	1.18%	0.166%
36	19.037	2749	2757	2761	rBV8	13753	27037	1.15%	0.162%
37	19.201	2781	2785	2790	rBV3	34671	54200	2.30%	0.325%
38	19.354	2805	2811	2819	rBV4	22998	50226	2.13%	0.301%
39	19.472	2825	2831	2837	rBV	232068	358244	15.22%	2.148%
40	19.836	2888	2893	2900	rVB	203530	321268	13.65%	1.926%
41	19.900	2901	2904	2909	rVB3	19223	28009	1.19%	0.168%
42	20.024	2918	2925	2932	rBV	1149741	1609146	68.37%	9.649%
43	20.300	2965	2972	2973	rBV4	38359	67301	2.86%	0.404%
44	20.623	3024	3027	3030	rBV2	17252	23653	1.00%	0.142%
45	21.087	3102	3106	3111	rVB2	42981	65781	2.79%	0.394%
46	21.269	3133	3137	3139	rBV3	21328	35733	1.52%	0.214%
47	21.299	3140	3142	3149	rVB2	43648	72227	3.07%	0.433%
48	21.422	3161	3163	3169	rVB	36661	51260	2.18%	0.307%
49	21.692	3200	3209	3214	rBV2	296786	736929	31.31%	4.419%
50	21.734	3214	3216	3229	rVB	119631	211730	9.00%	1.270%
51	23.907	3578	3586	3593	rBV2	91890	320337	13.61%	1.921%
52	24.636	3704	3710	3720	rVB3	49272	152494	6.48%	0.914%
53	24.783	3728	3735	3745	rVB2	50061	154408	6.56%	0.926%
54	24.930	3753	3760	3770	rBV2	125797	359352	15.27%	2.155%

Sum of corrected areas: 16677141

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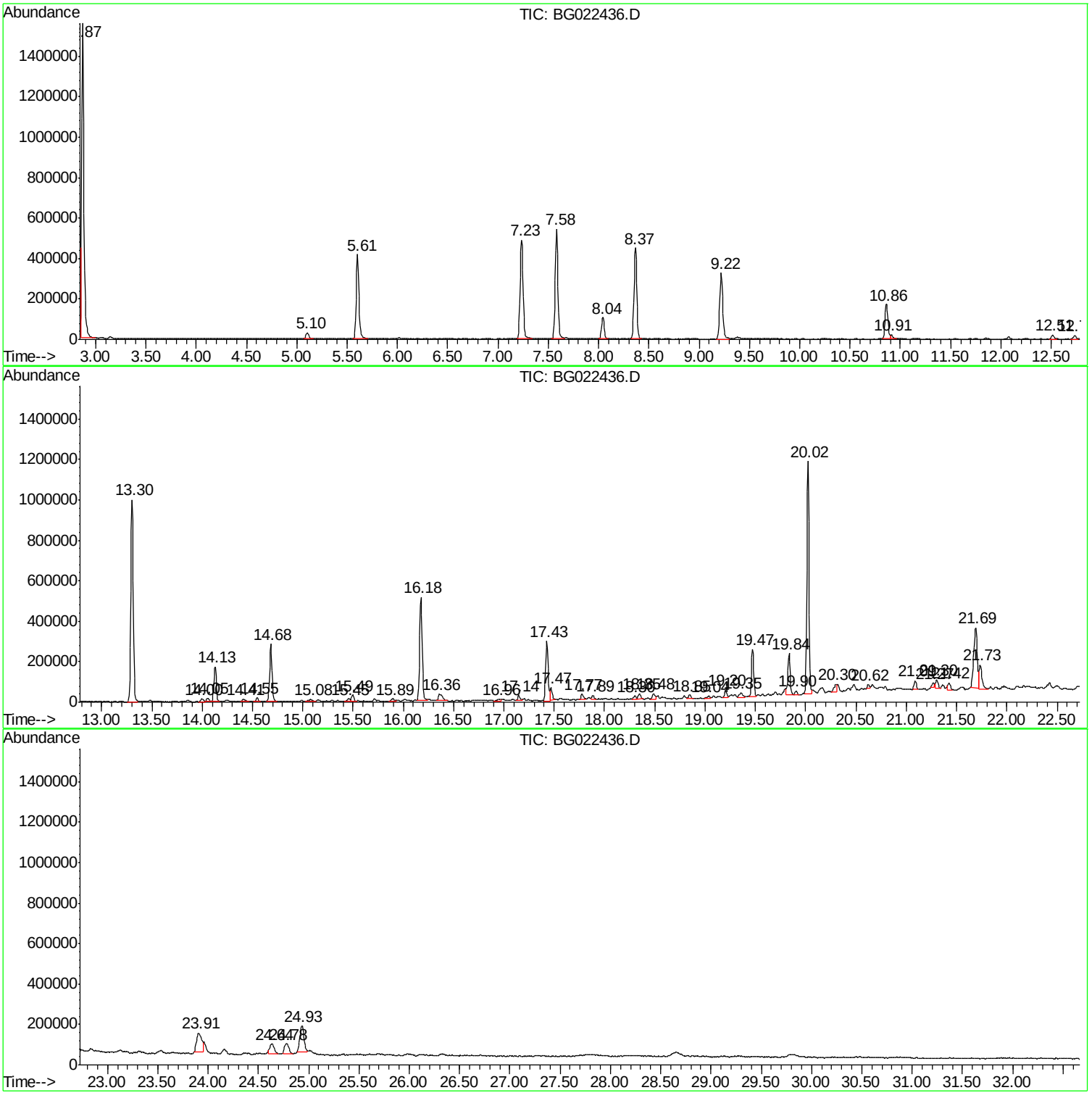
Data File : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
STA-1141-(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 : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(0-4)

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

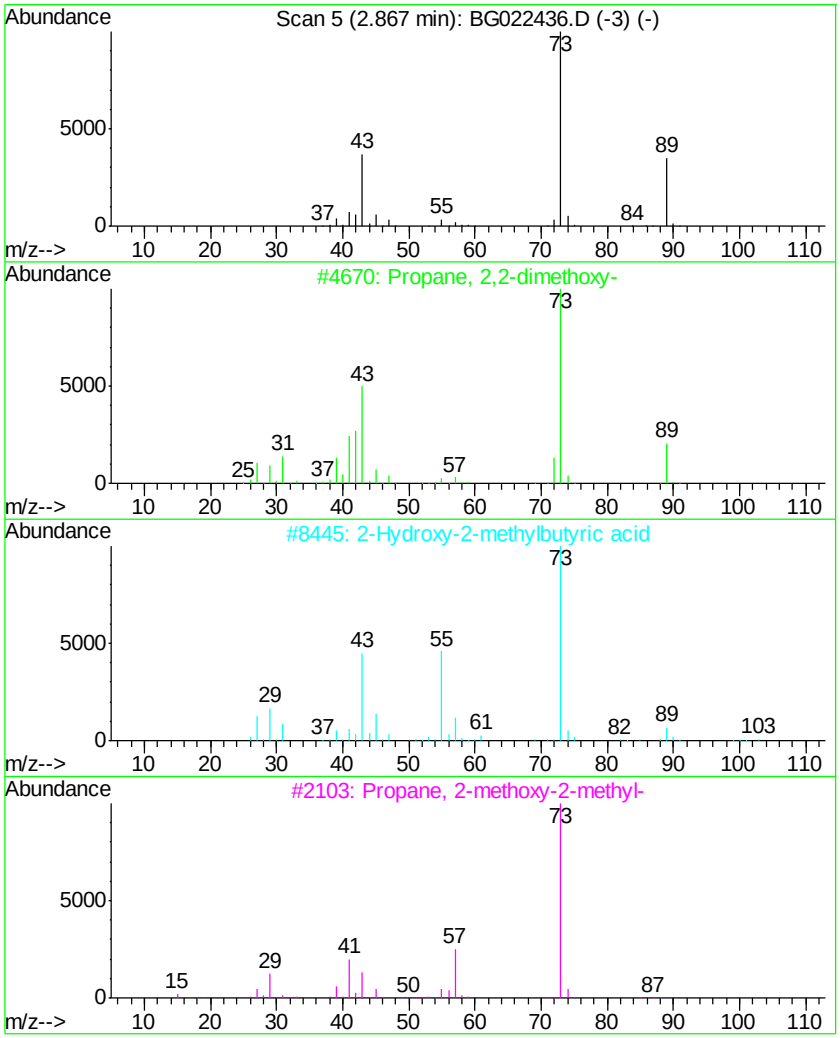
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

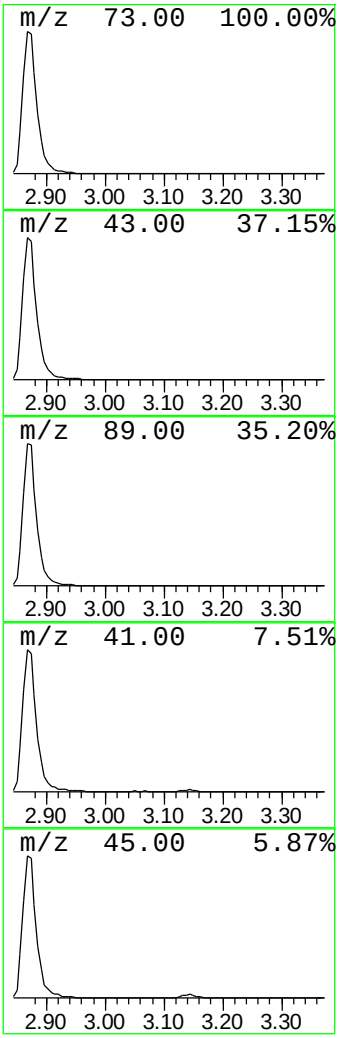
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	240.14 ng	2353560	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	28
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	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 : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(0-4)

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

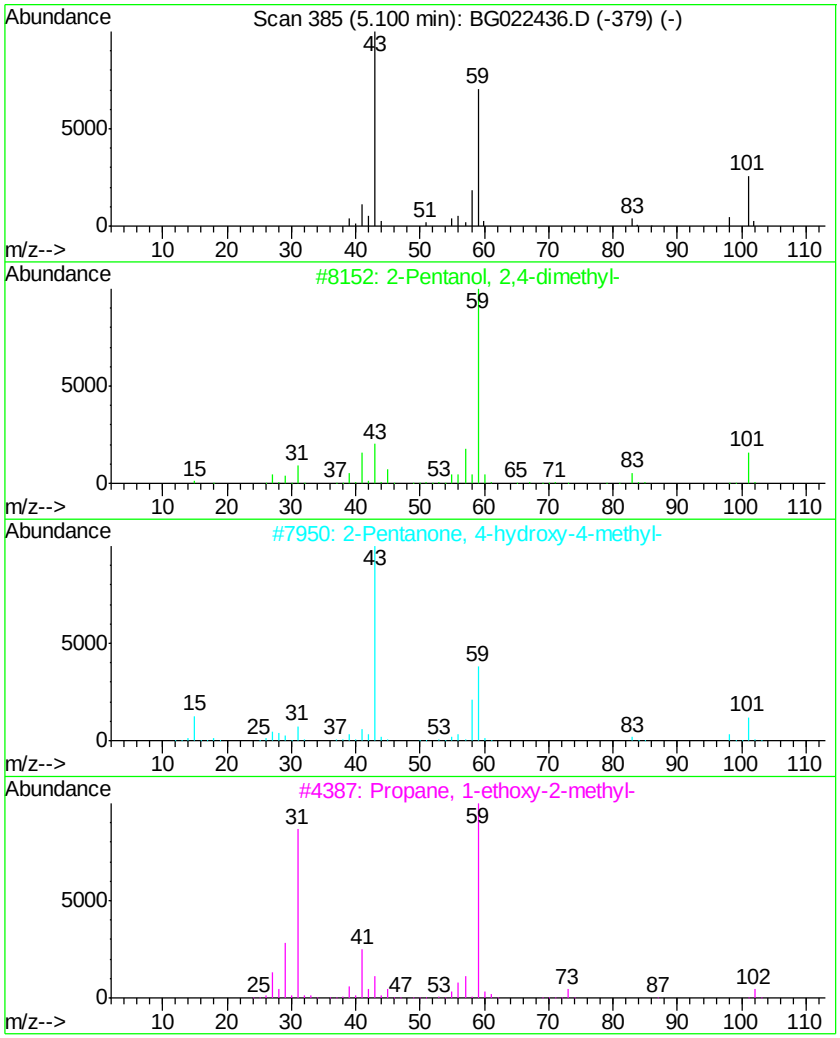
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

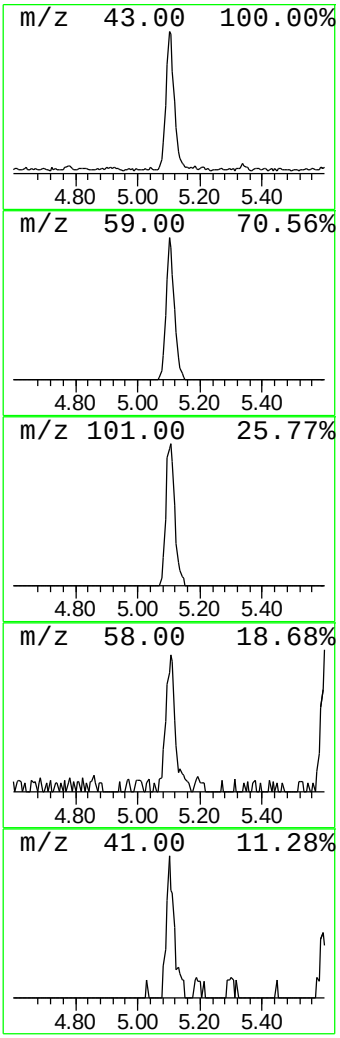
****

Peak Number 2 2-Pentanol, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	6.04 ng	59210	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	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	35
4	Guanidine	59	CH5N3	000113-00-8	9
5	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(0-4)

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

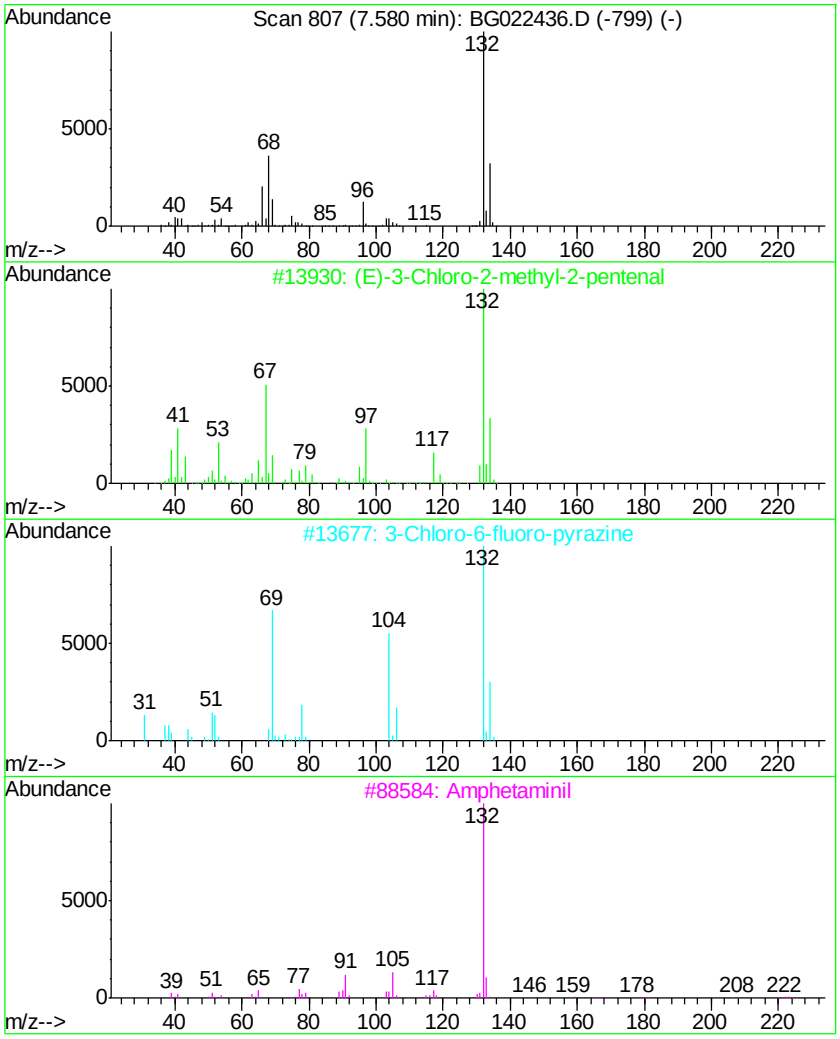
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

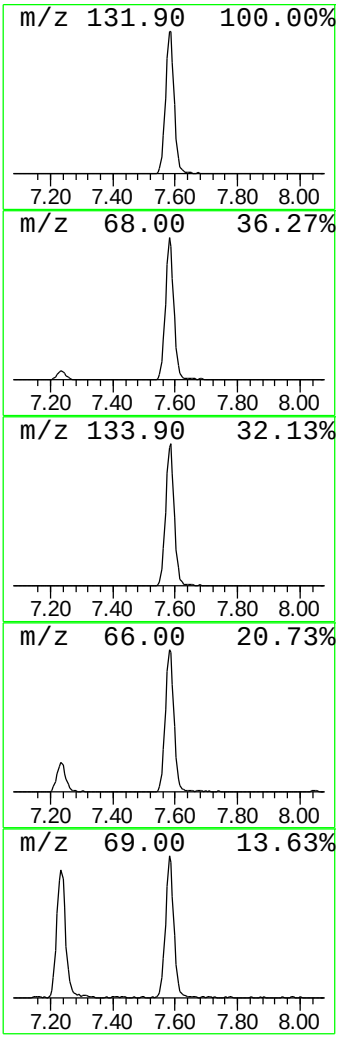
****

Peak Number 3 unknown7.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	107.64 ng	1054940	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(0-4)

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

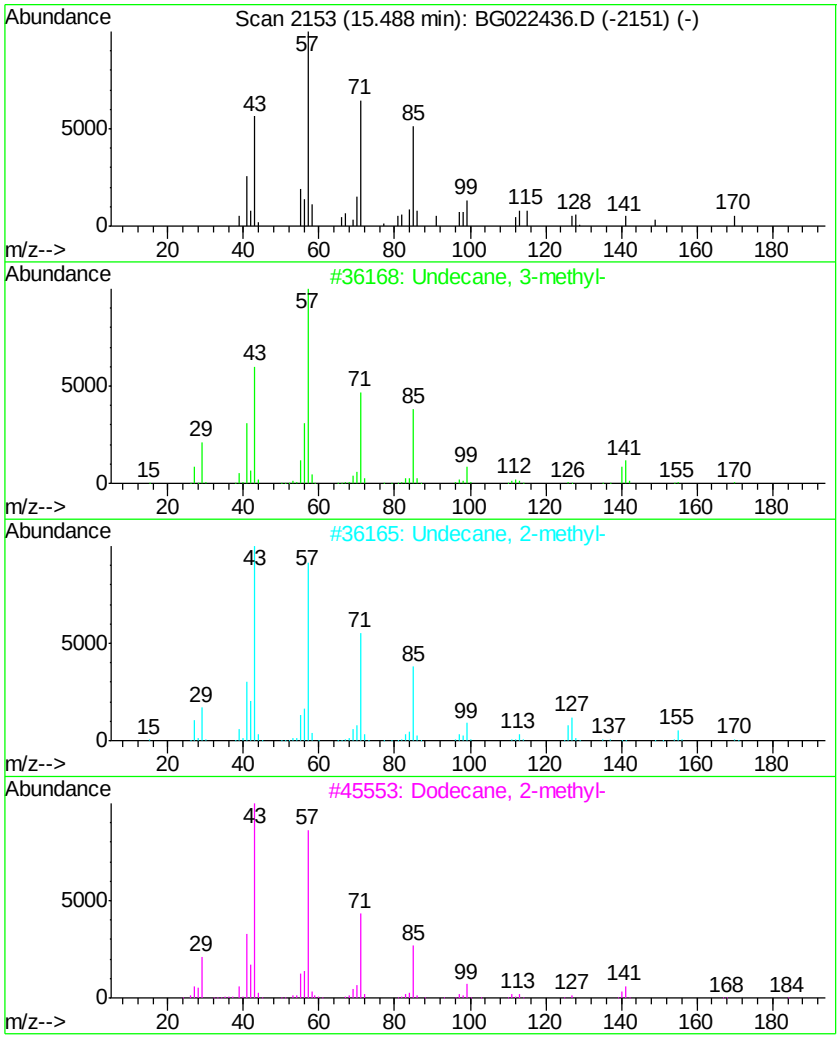
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

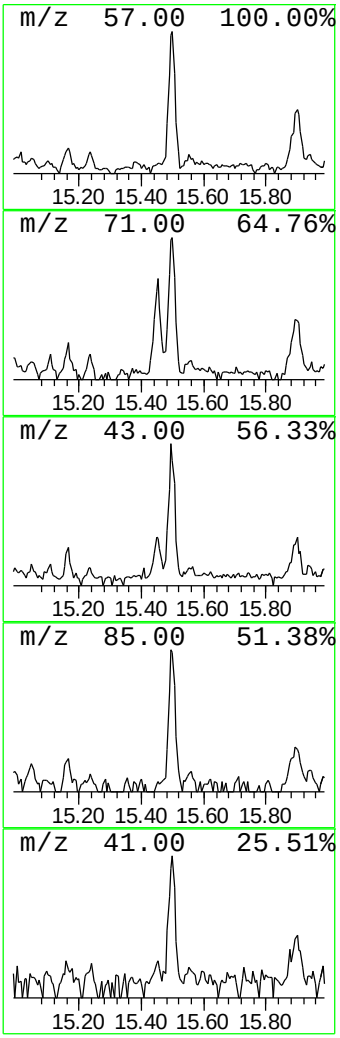
****

Peak Number 6 Undecane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	2.03 ng	48714	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	72
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
4	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	59
5	Dodecane	170	C12H26	000112-40-3	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(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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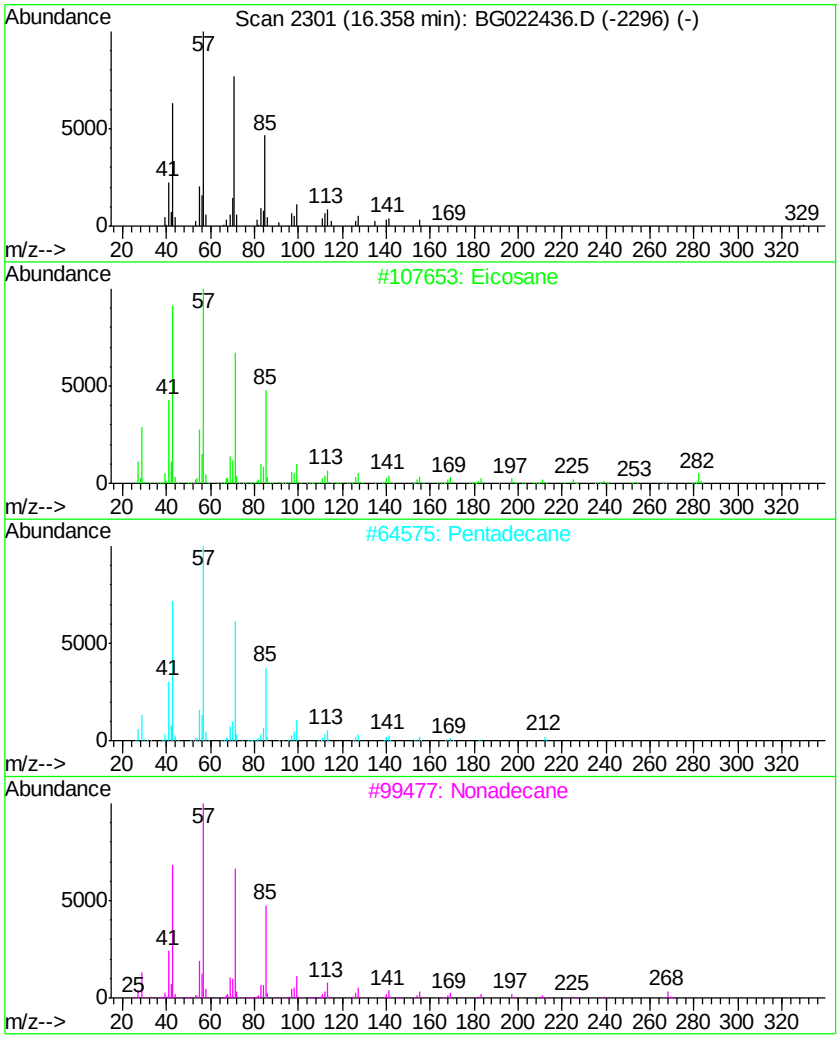
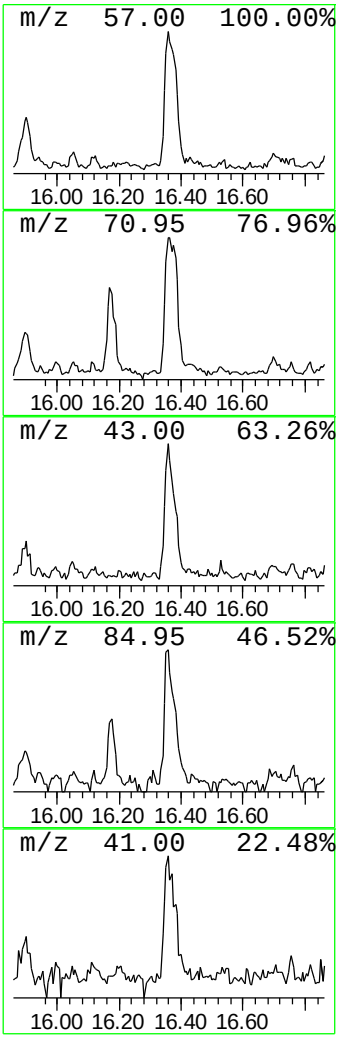
Peak Number 7 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	3.56 ng	90414	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Pentadecane	212	C15H32	000629-62-9	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Octadecane	254	C18H38	000593-45-3	90
5	Octacosane	394	C28H58	000630-02-4	90





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Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(0-4)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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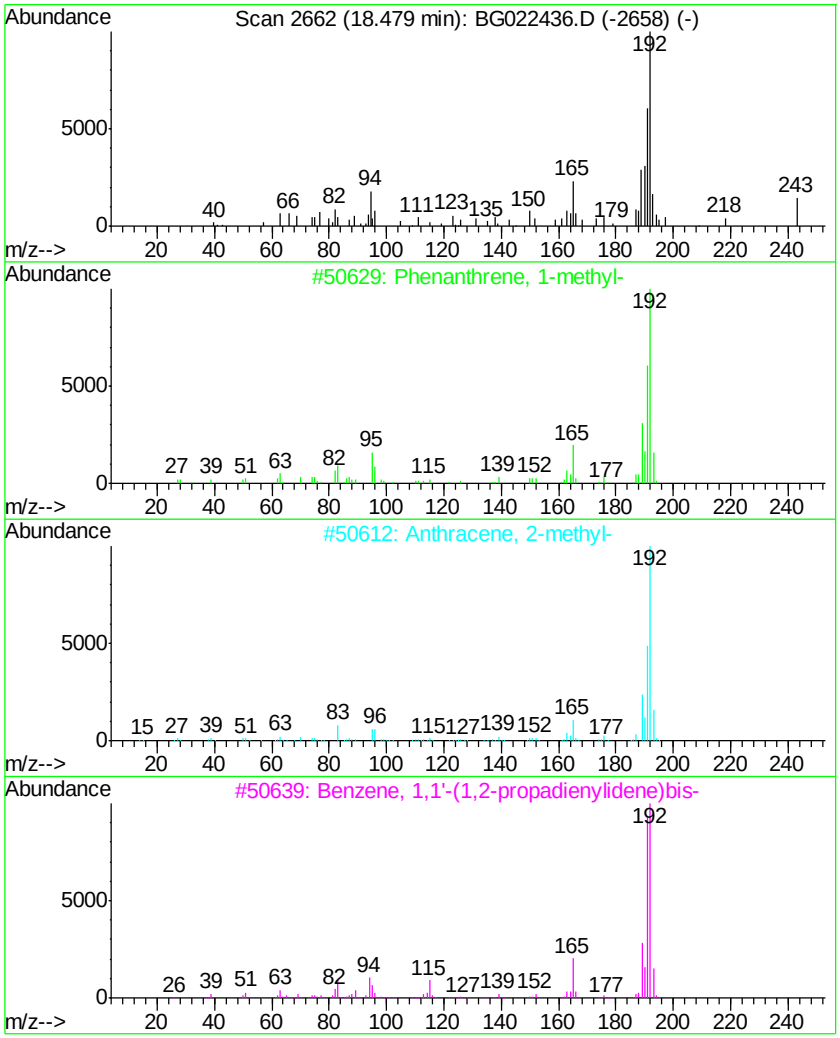
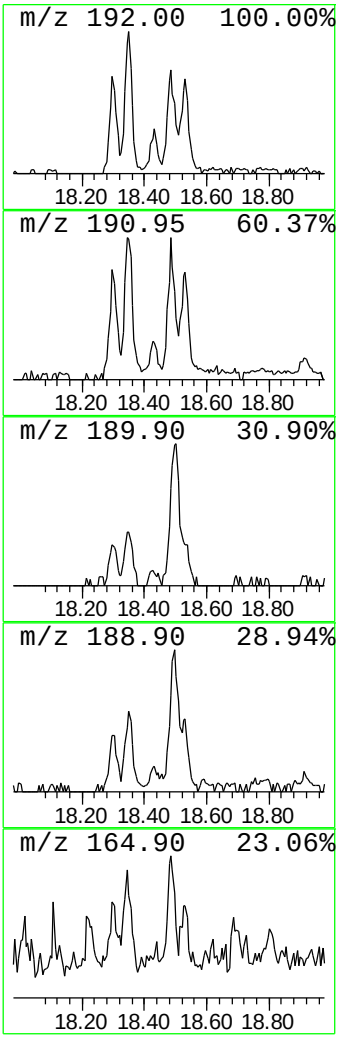
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	2.03 ng	51561	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	52
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	49





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Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(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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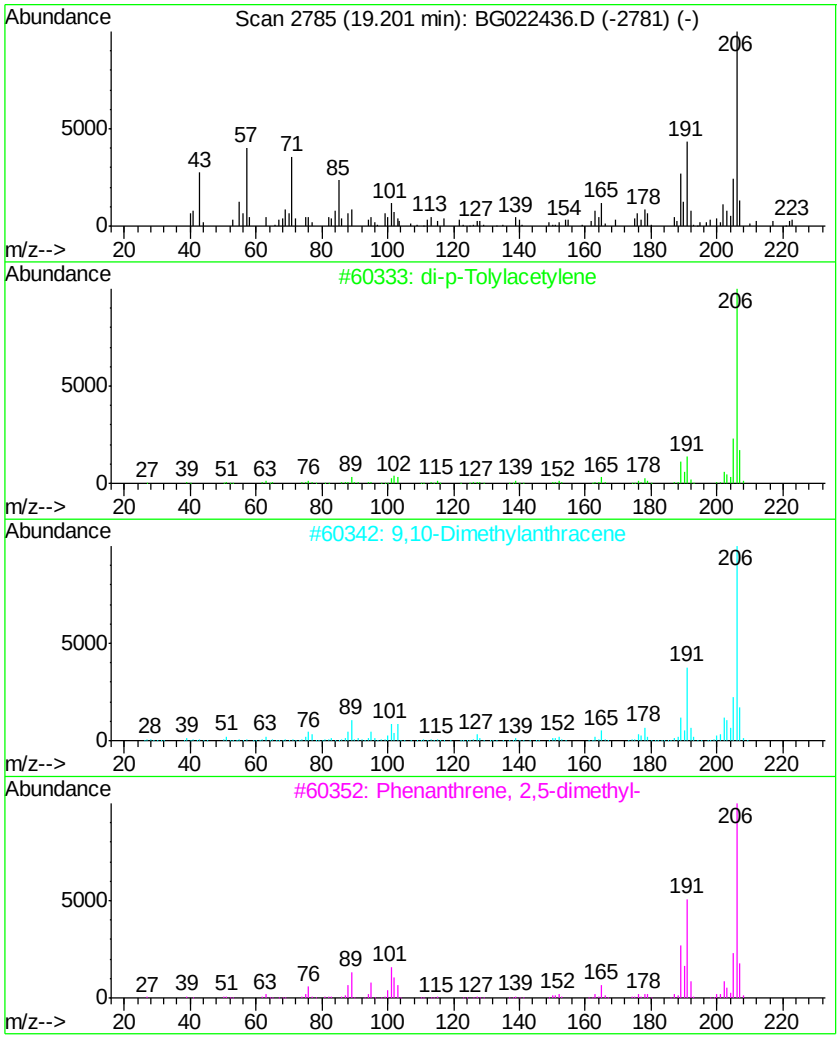
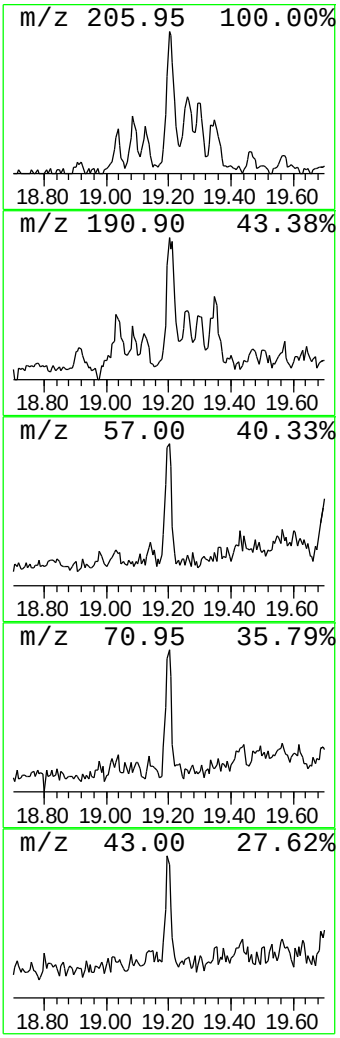
Peak Number 9 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	2.14 ng	54200	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(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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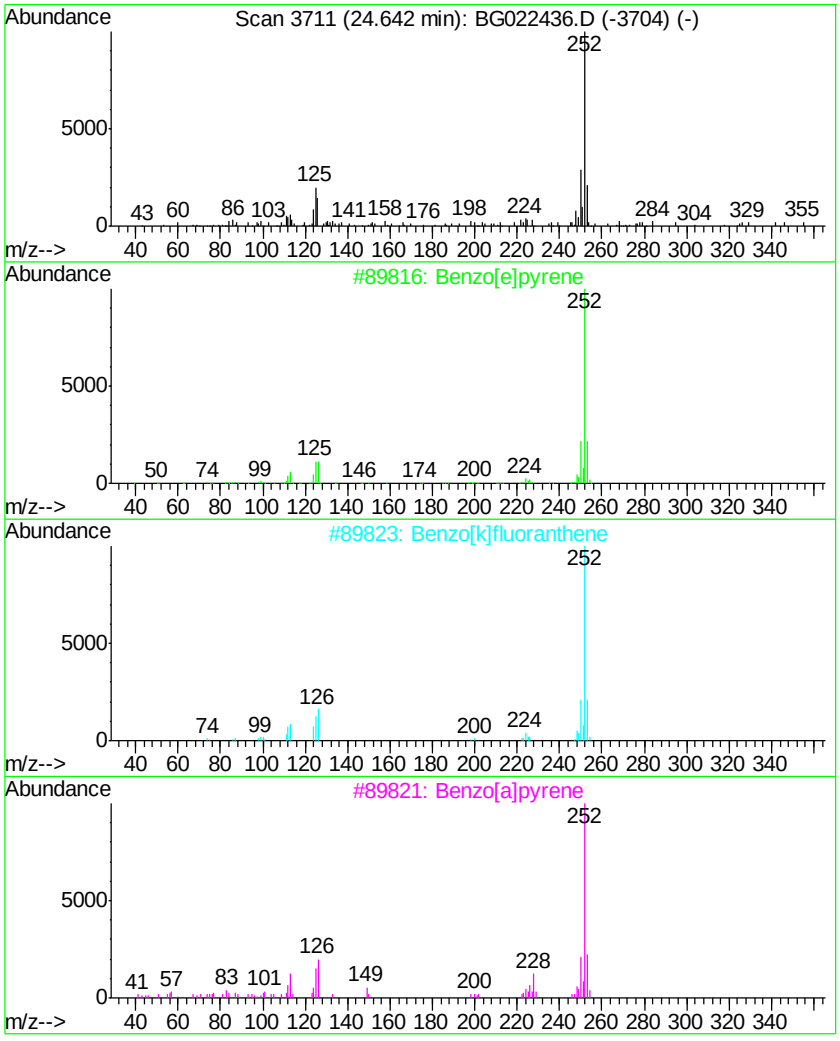
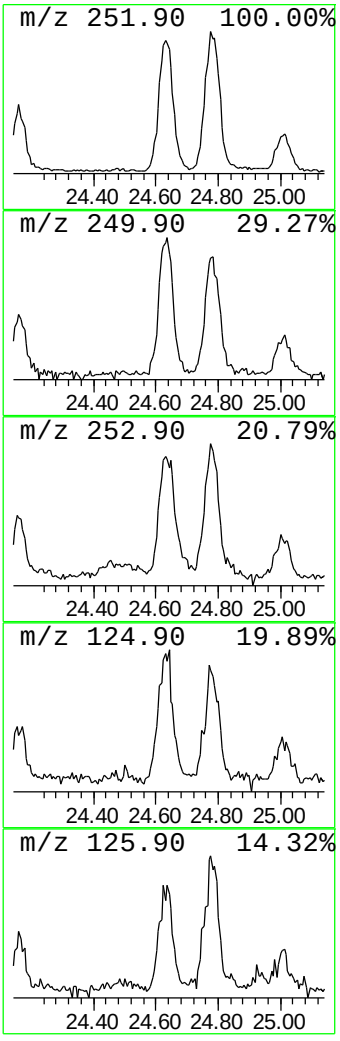
Peak Number 10 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.64	8.49 ng	152494	Perylene-d12	24.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
Data File : BG022436.D
Acq On : 18 Jun 2016 23:18
Operator : UM/SJ
Sample : H3471-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1141-(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
Propane, 2,2-dime...	2.87	240.1	ng	2353560	1	8.04	196015	20.0
2-Pentanol, 2,4-d...	5.10	6.0	ng	59210	1	8.04	196015	20.0
unknown7.58	7.58	107.6	ng	1054940	1	8.04	196015	20.0
Undecane, 3-methyl-	15.49	2.0	ng	48714	3	14.68	480321	20.0
Eicosane	16.36	3.6	ng	90414	4	17.43	507380	20.0
Phenanthrene, 1-m...	18.48	2.0	ng	51561	4	17.43	507380	20.0
di-p-Tolylacetylene	19.20	2.1	ng	54200	4	17.43	507380	20.0
Benzo[e]pyrene	24.64	8.5	ng	152494	6	24.93	359352	20.0