LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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	3.096	38	44	63	rVB	1672686	2755799	100.00%	15.375%
2	3.360	84	89	97	rVB	18668	29687	1.08%	0.166%
3	5.287	411	417	424	rVB	119220	184806	6.71%	1.031%
4	5.763	491	498	508	rBV	456653	748606	27.16%	4.177%
5	7.367	761	771	782	rBV	608349	1077067	39.08%	6.009%
6	7.743	827	835	844	rBV	561352	976212	35.42%	5.447%
7	8.213	905	915	922	rBV	134057	234218	8.50%	1.307%
8	8.537	960	970	979	rVB	420729	749828	27.21%	4.184%
9	9.383	1104	1114	1122	rBV	375398	693488	25.16%	3.869%
10	11.028	1387	1394	1401	rBV	199659	366305	13.29%	2.044%
11	13.448	1799	1806	1814	rVB	1025990	1606769	58.31%	8.965%
12	14.259	1938	1944	1951	rBV	127158	203422	7.38%	1.135%
13	14.547	1988	1993	2001	rBV2	14690	31063	1.13%	0.173%
14	14.688	2013	2017	2021	rBV	34782	44611	1.62%	0.249%
15	14.741	2021	2026	2033	rVV4	17798	36787	1.33%	0.205%
16	14.823	2033	2040	2047	rVB2	289858	495871	17.99%	2.767%
17	15.211	2099	2106	2116	rBV4	18336	40352	1.46%	0.225%
18	15.634	2174	2178	2183	rVB	57673	77543	2.81%	0.433%
19	16.040	2241	2247	2251	rVB2	17881	31739	1.15%	0.177%
20	16.298	2286	2291	2299	rVB	282924	441281	16.01%	2.462%
21	16.492	2319	2324	2327	rBV	63782	91436	3.32%	0.510%
22	17.285	2454	2459	2464	rVV	63822	87132	3.16%	0.486%
23	17.338	2464	2468	2471	rVV2	26159	37282	1.35%	0.208%
24	17.555	2499	2505	2509	rBV2	317411	517147	18.77%	2.885%
25	17.602	2509	2513	2519	rVB	279024	425194	15.43%	2.372%
26	17.691	2524	2528	2532	rVB	24918	37233	1.35%	0.208%
27	17.949	2566	2572	2579	rBV4	18258	40908	1.48%	0.228%
28	18.020	2580	2584	2589	rVB	40819	49595	1.80%	0.277%
29	18.425	2649	2653	2657	rBV	35888	47126	1.71%	0.263%
30	18.472	2657	2661	2667	rVB	52313	78986	2.87%	0.441%
31	18.619	2680	2686	2690	rBV3	48017	93393	3.39%	0.521%
32	18.660	2690	2693	2697	rVB2	29694	41030	1.49%	0.229%
33	18.707	2697	2701	2705	rBV	30661	46097	1.67%	0.257%
34	18.913	2732	2736	2740	rBV	34385	50763	1.84%	0.283%

LSC Area Percent Report

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Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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

35	18.960	2740	2744	2749	rVB2	40289	60829	2.21%	0.339%
36	19.159	2775	2778	2782	rVB5	24388	35315	1.28%	0.197%
37	19.330	2803	2807	2812	rBV	48893	65297	2.37%	0.364%
38	19.465	2827	2830	2838	rBV4	26460	51511	1.87%	0.287%
39	19.594	2846	2852	2859	rVB	466529	667858	24.23%	3.726%
40	19.911	2901	2906	2909	rBV2	57615	110010	3.99%	0.614%
41	19.953	2909	2913	2919	rVB	359852	513316	18.63%	2.864%
42	20.141	2940	2945	2952	rVB	1344489	1792985	65.06%	10.004%
43	20.599	3016	3023	3027	rBV4	72607	158548	5.75%	0.885%
44	21.204	3123	3126	3131	rBV	53584	82333	2.99%	0.459%
45	21.833	3225	3233	3237	rBV2	401513	909212	32.99%	5.073%
46	21.874	3238	3240	3247	rVB	166286	260742	9.46%	1.455%
47	24.101	3614	3619	3627	rBV	90204	256145	9.29%	1.429%
48	25.170	3794	3801	3810	rVB2	194244	490519	17.80%	2.737%

Sum of corrected areas: 17923396

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021756.D
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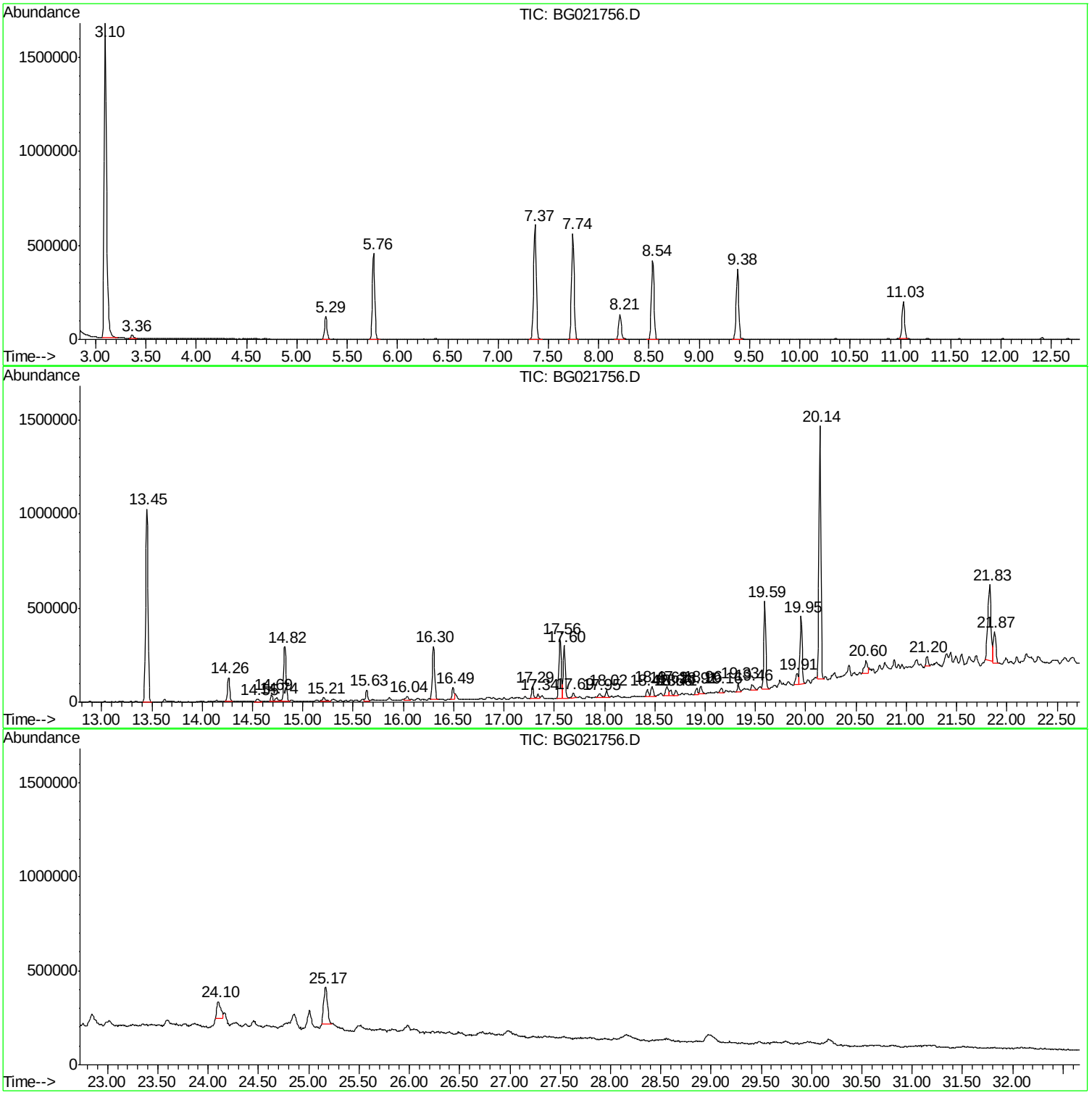
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
POST-EX-DUP1-20160412

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\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
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Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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

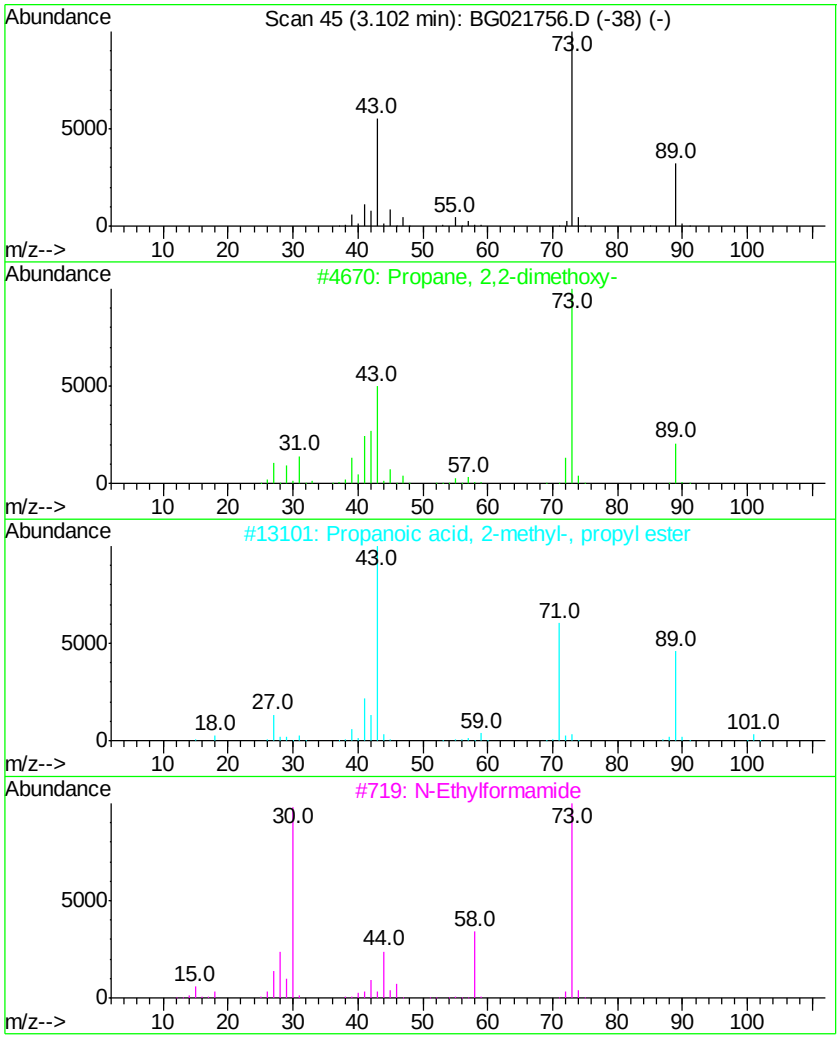
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

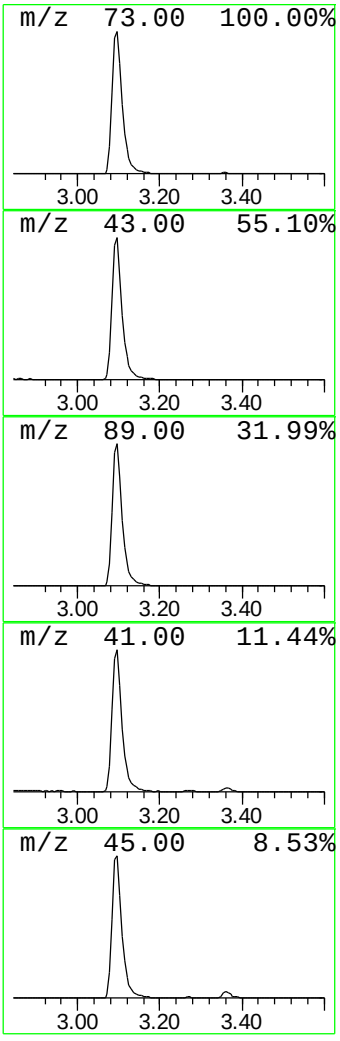
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	235.32 ng	2755800	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	23
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





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Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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

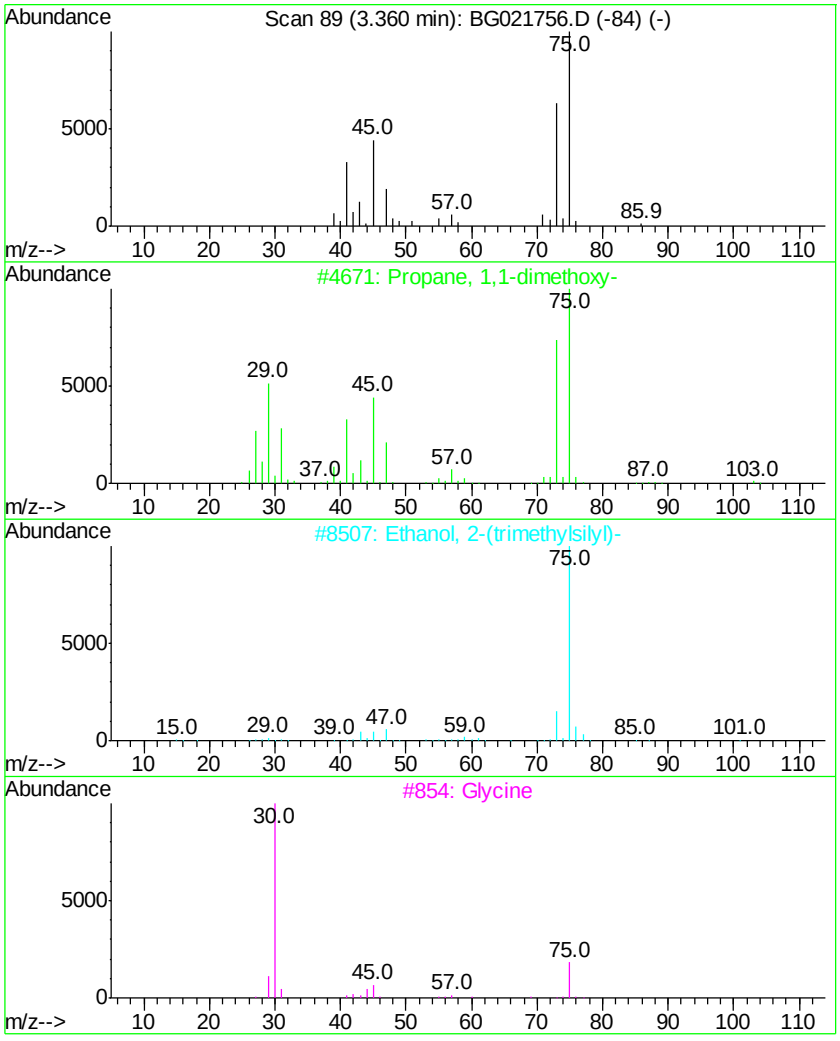
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

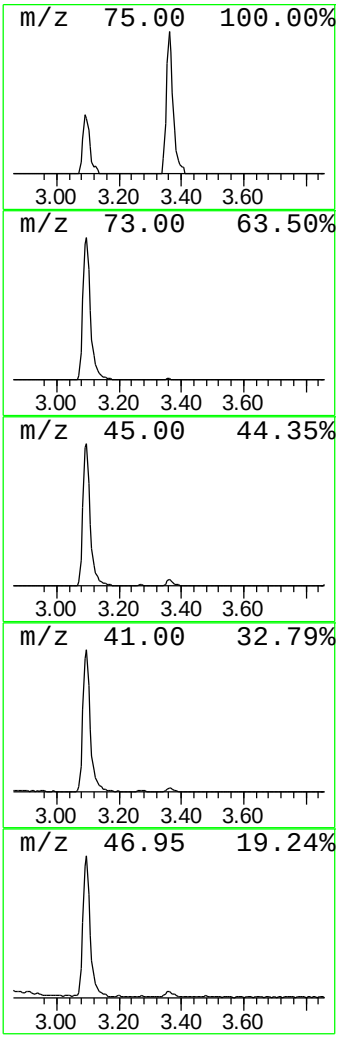
****

Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	2.53 ng	29687	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Ethanol, 2-(trimethylsilyl)-	118	C5H14OSi	002916-68-9	9
3	Glycine	75	C2H5NO2	000056-40-6	4
4	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	4
5	2,2'-Bi-1,3-dioxolane	146	C6H10O4	006705-89-1	4





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
POST-EX-DUP1-20160412

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

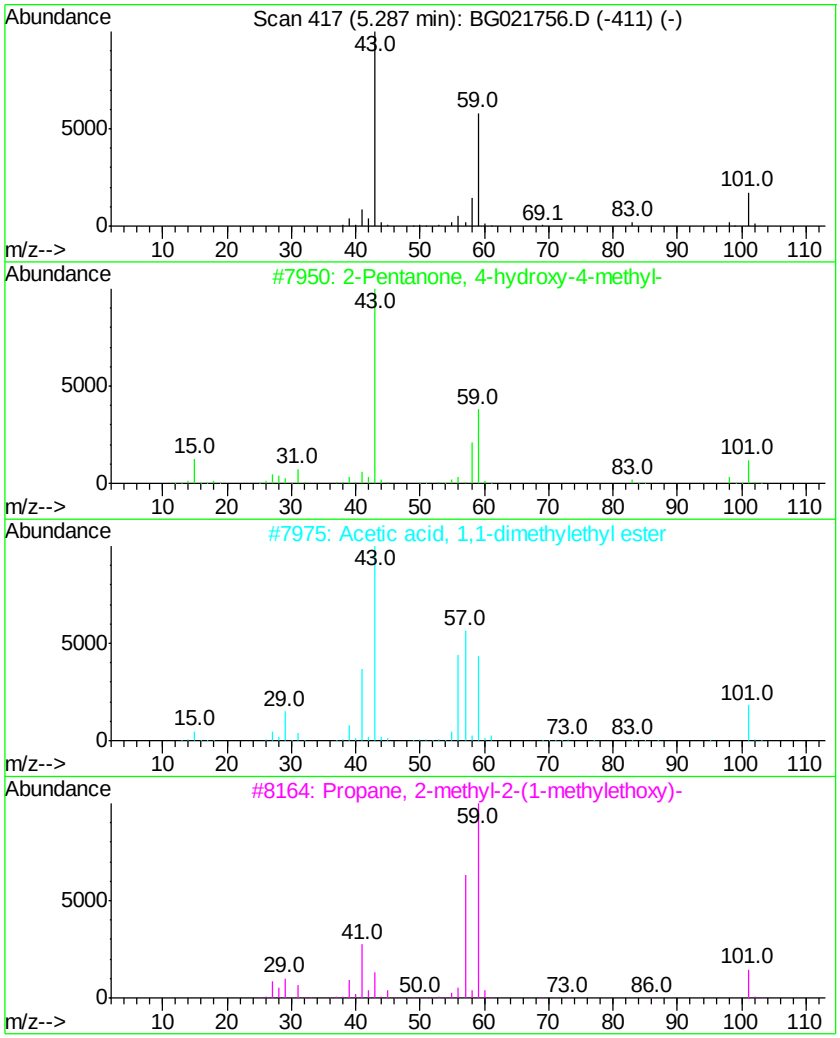
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

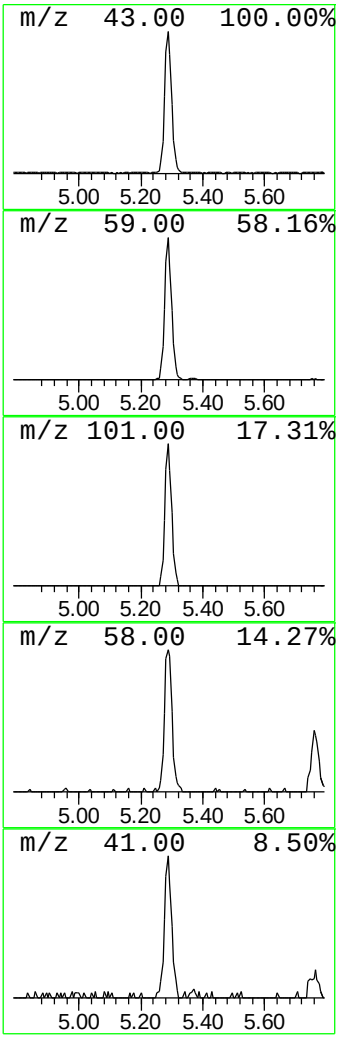
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	15.78 ng	184806	1,4-Dichlorobenzene-d4	8.21

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	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
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Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
POST-EX-DUP1-20160412

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

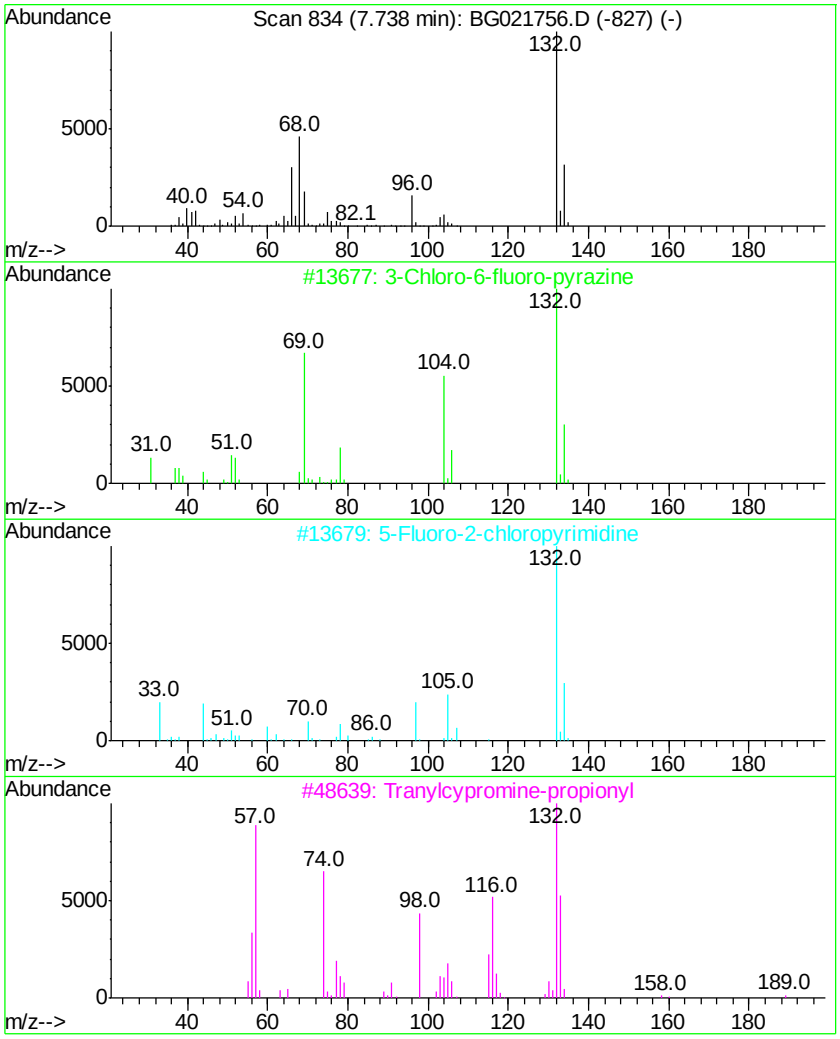
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

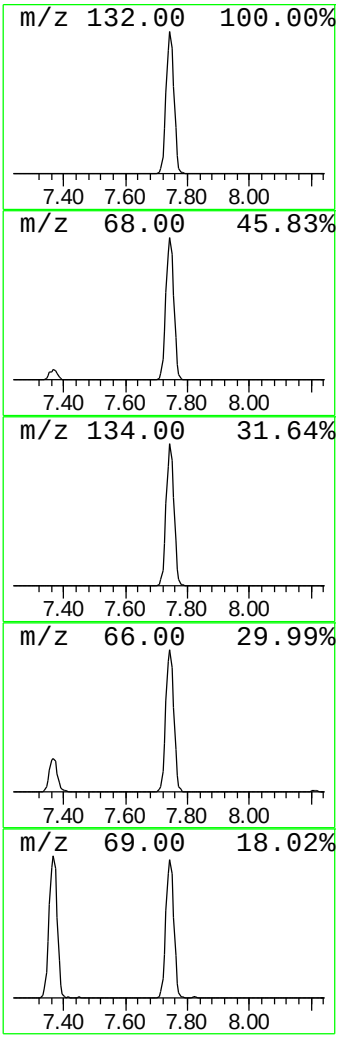
****

Peak Number 4 unknown7.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	83.36 ng	976212	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

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Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
POST-EX-DUP1-20160412

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
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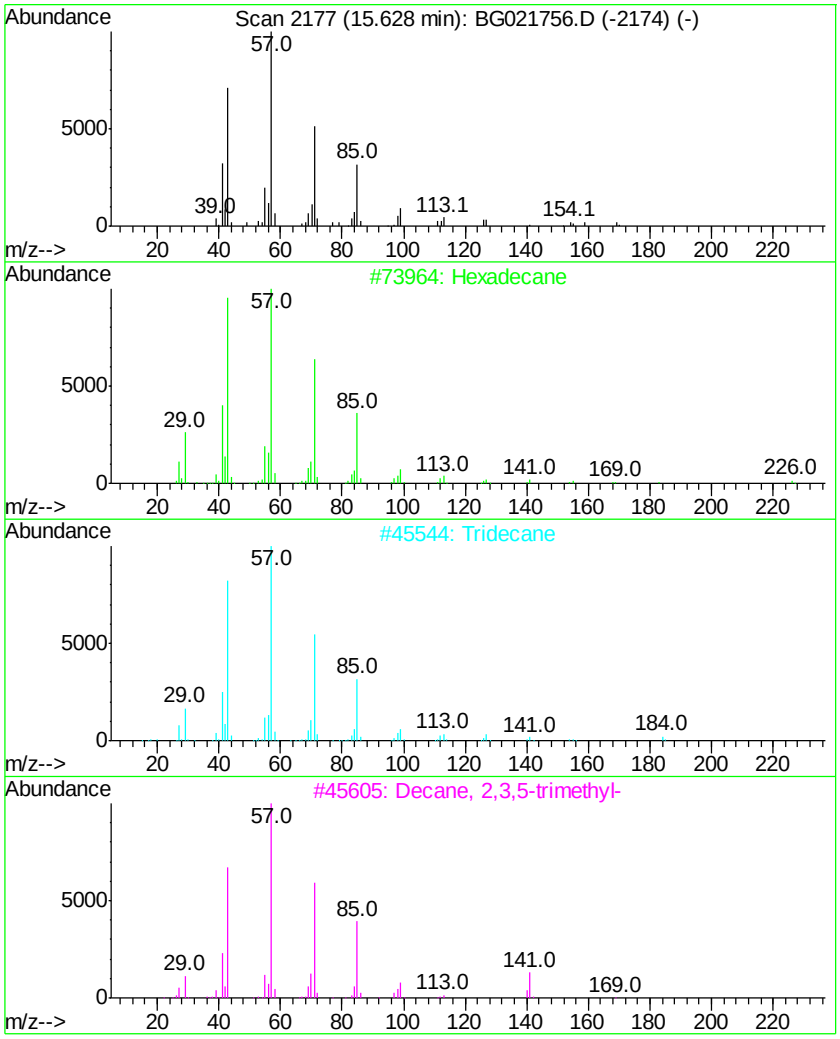
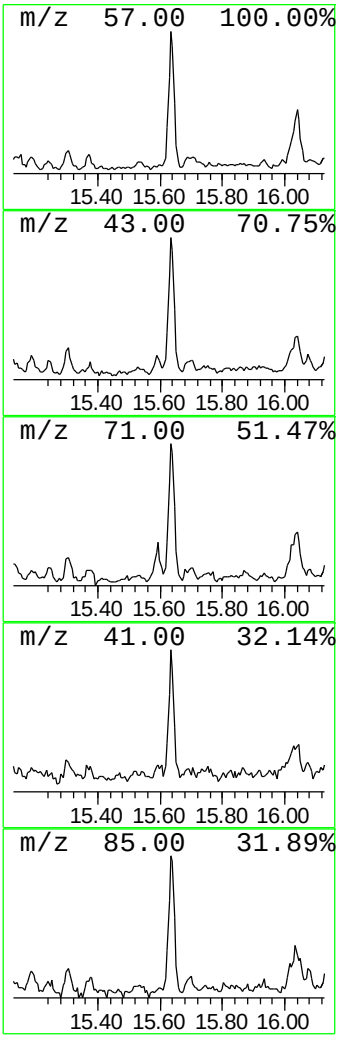
Peak Number 6 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	3.13 ng	77543	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tridecane	184	C13H28	000629-50-5	90
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	80





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Sample : H2503-05
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ClientSampleId : POST-EX-DUP1-20160412

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

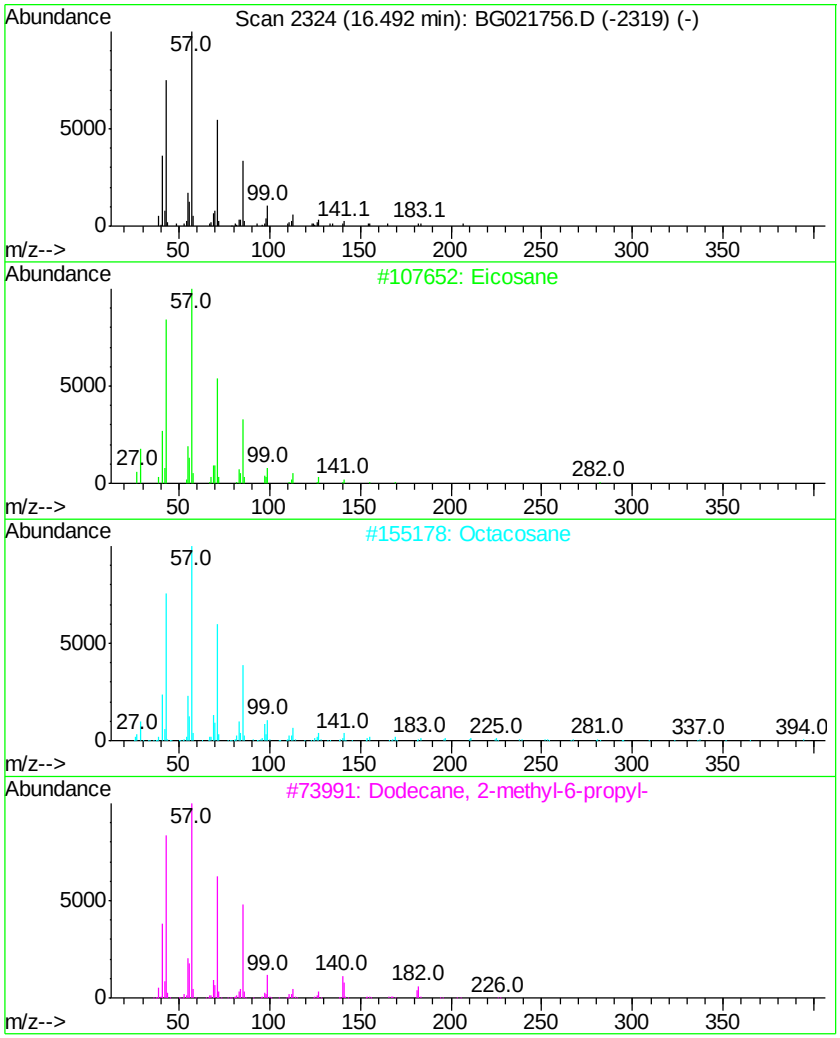
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

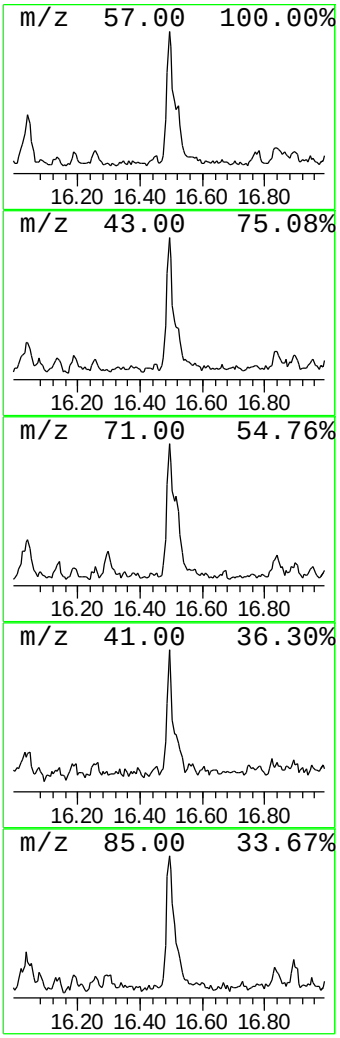
****

Peak Number 7 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	3.54 ng	91436	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Octacosane	394	C28H58	000630-02-4	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	83
5	Tridecane	184	C13H28	000629-50-5	83





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Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
POST-EX-DUP1-20160412

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

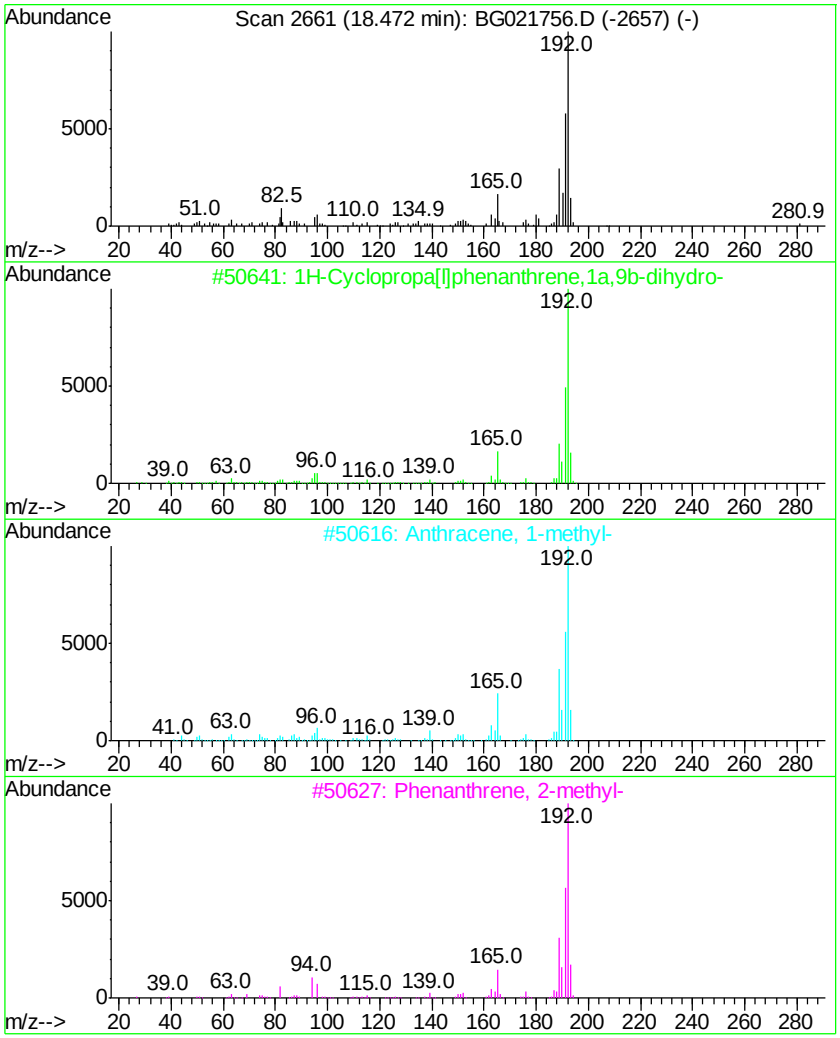
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

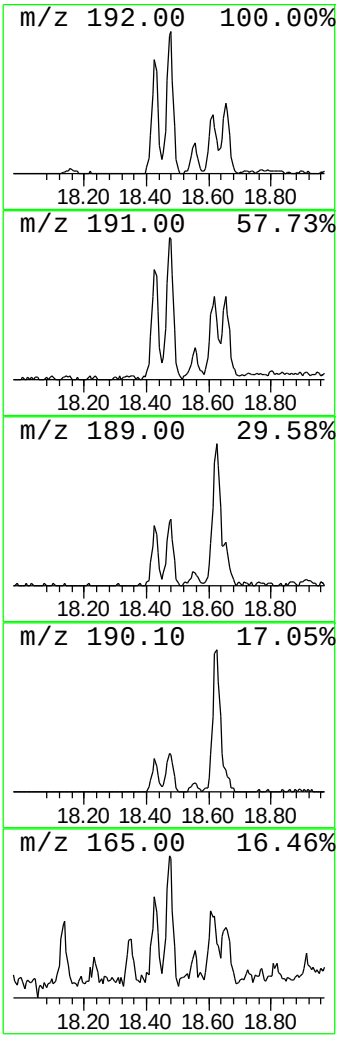
****

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.05 ng	78986	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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

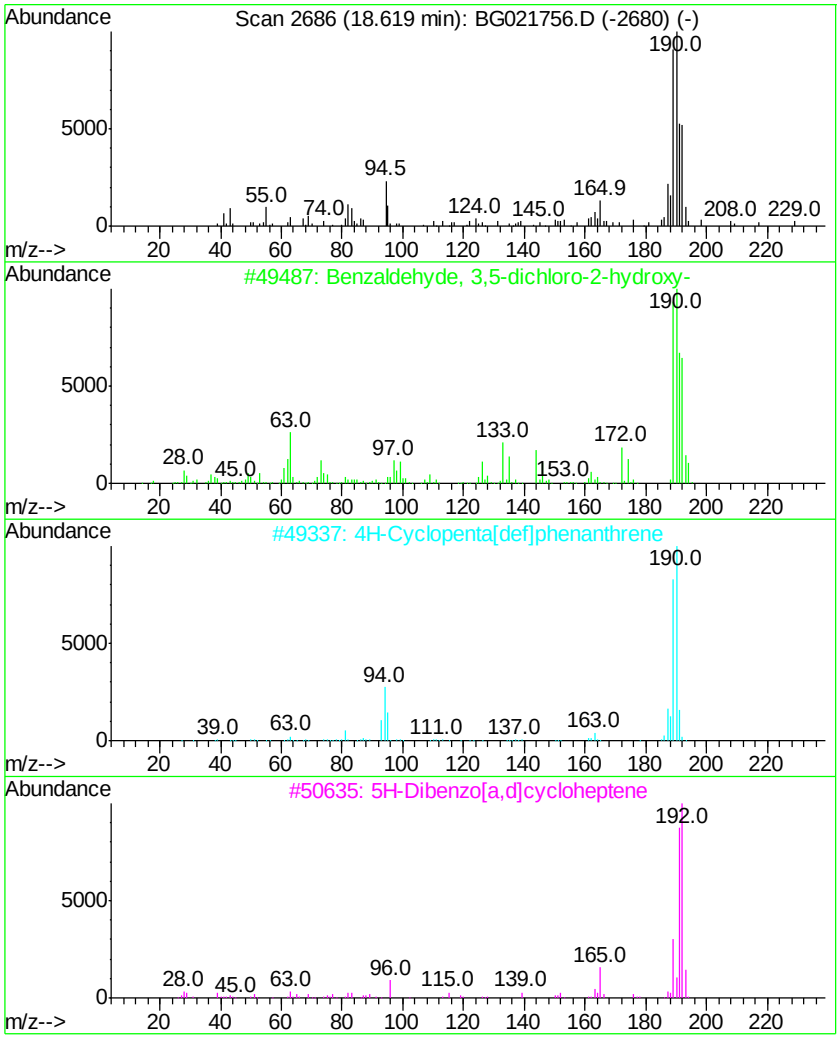
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

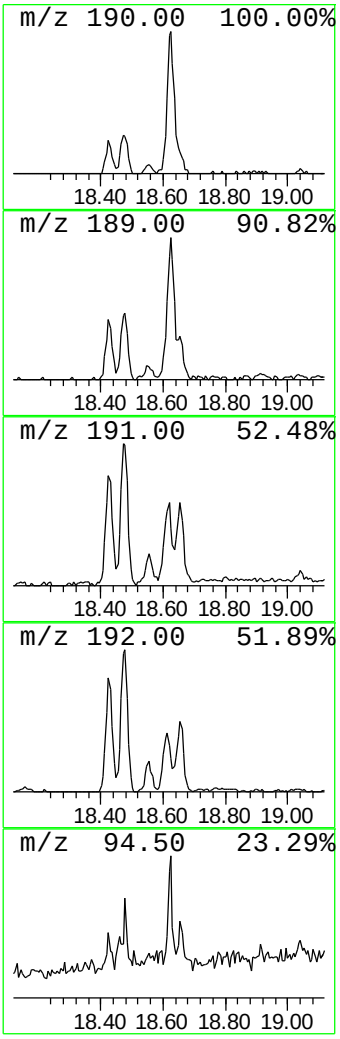
****

Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.61 ng	93393	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	27
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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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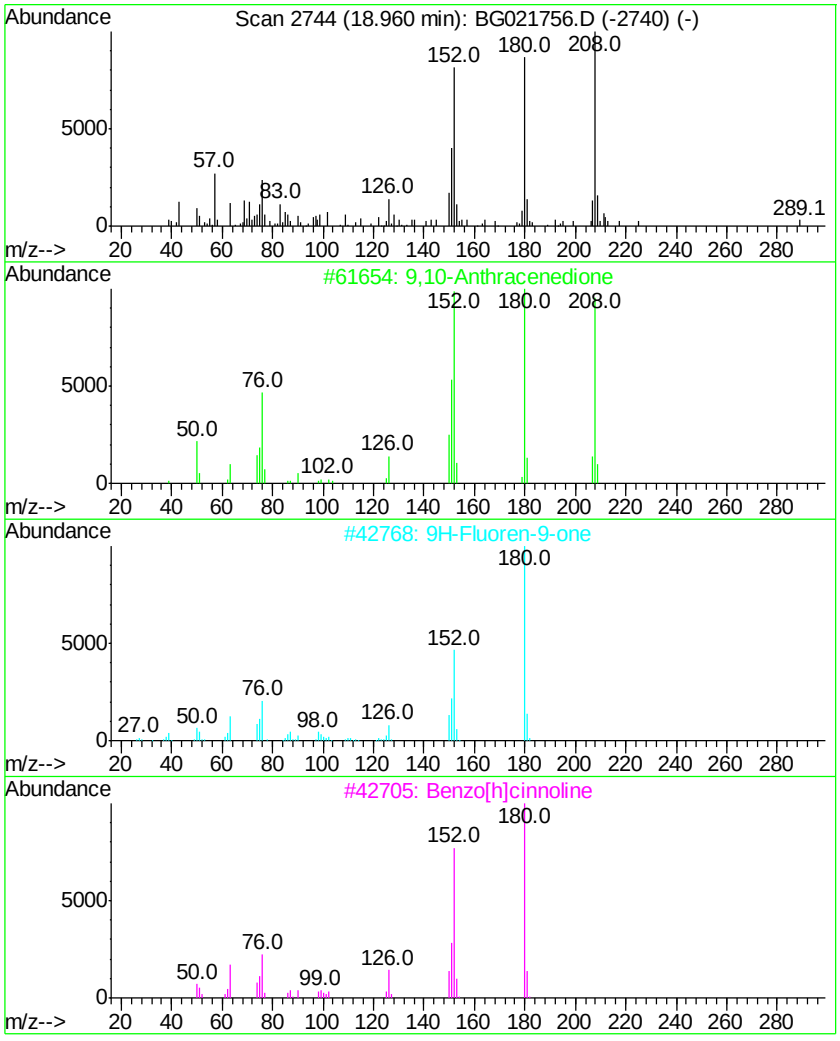
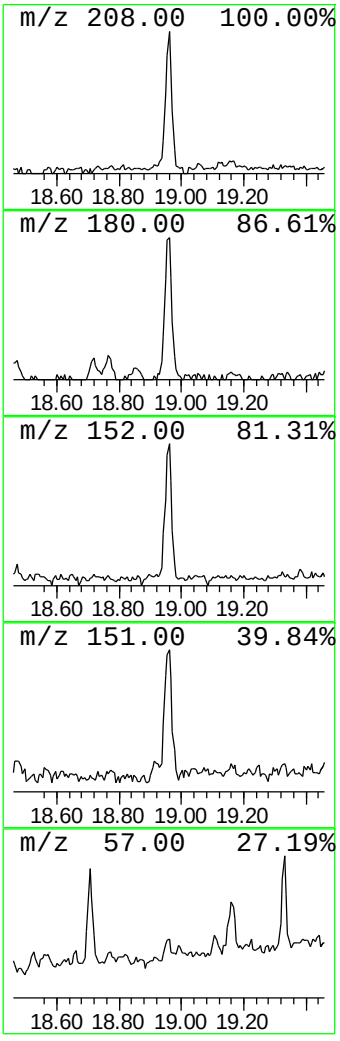
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.35 ng	60829	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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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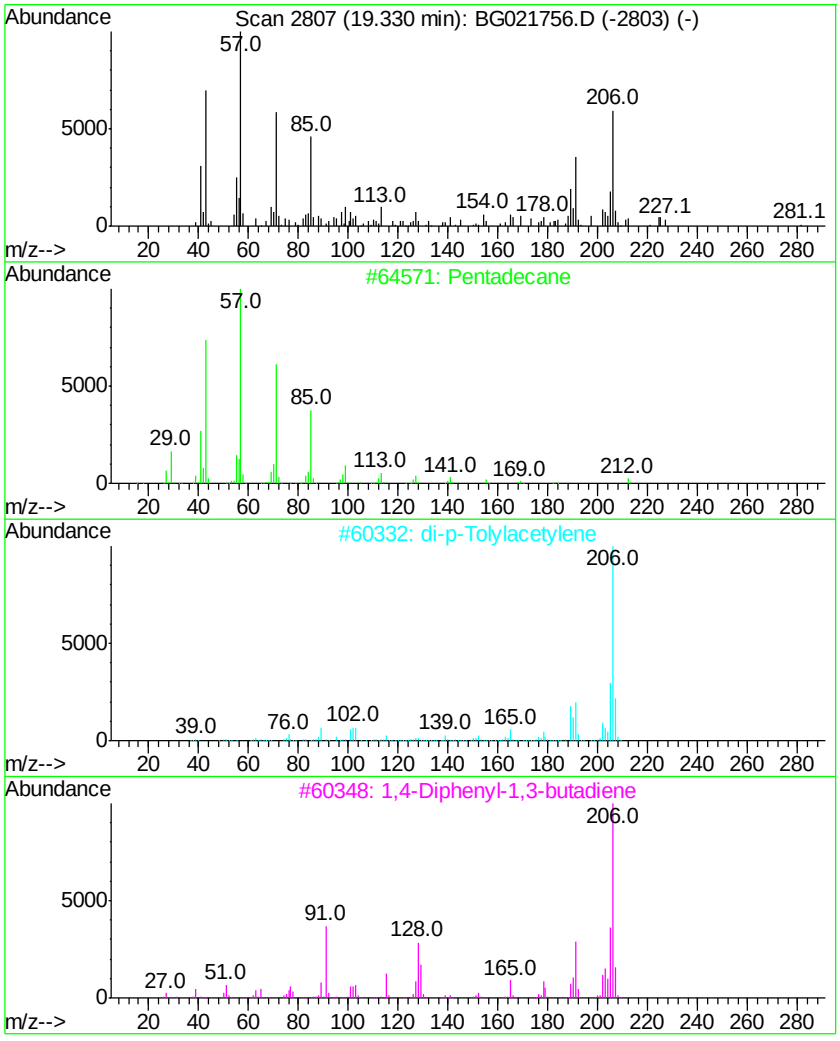
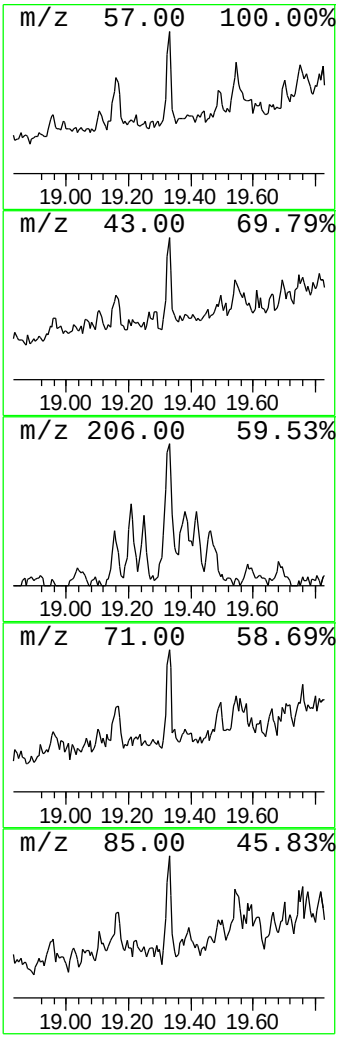
Peak Number 12 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	2.53 ng	65297	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	62
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	55
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	42
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	41
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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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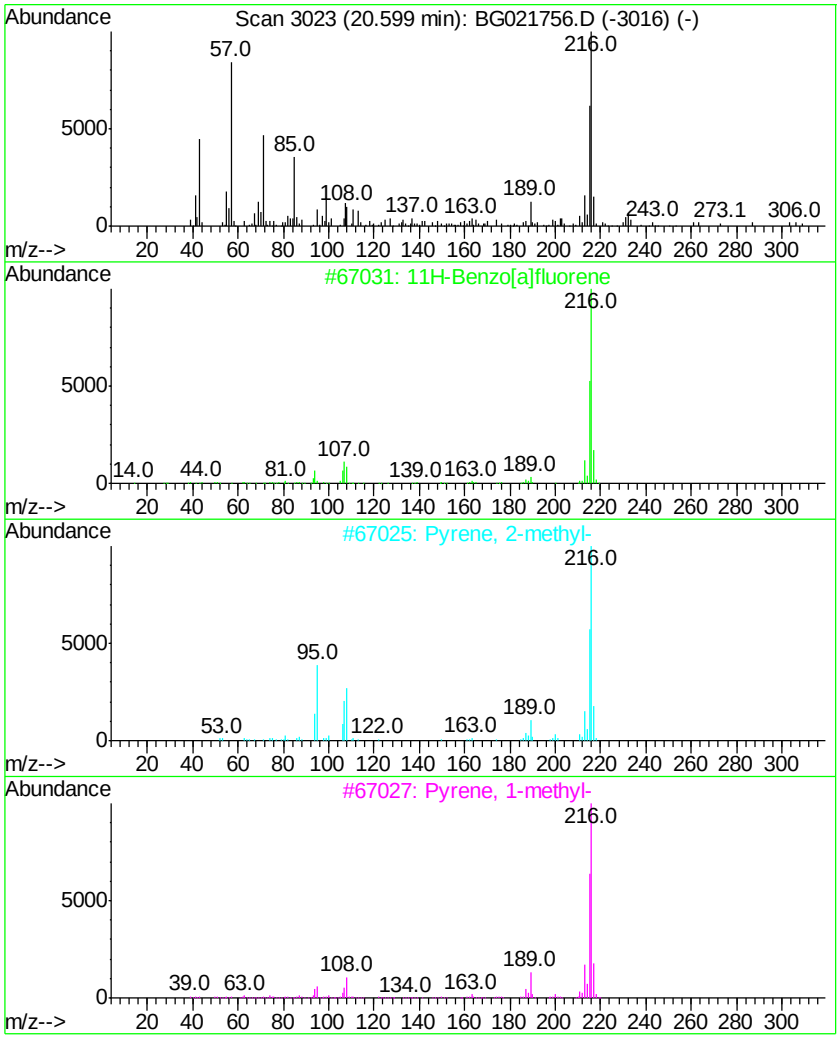
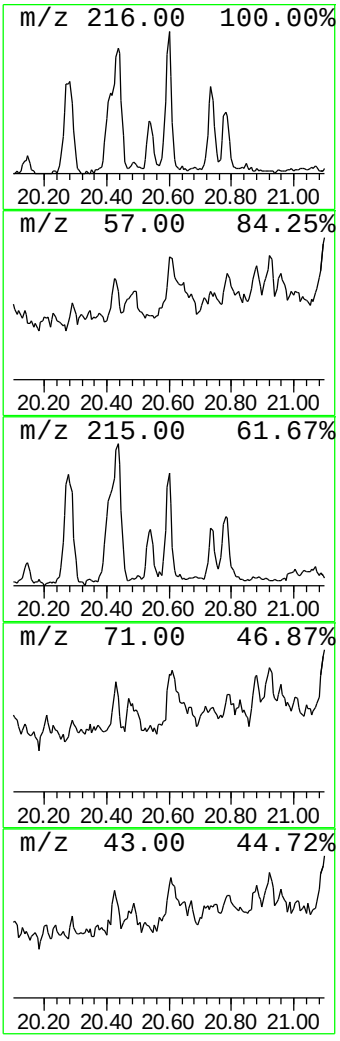
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	3.49 ng	158548	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-DUP1-20160412

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
Propane, 2,2-dime...	3.10	235.3	ng	2755800	1	8.21	234218	20.0
Propane, 1,1-dime...	3.36	2.5	ng	29687	1	8.21	234218	20.0
2-Pentanone, 4-hy...	5.29	15.8	ng	184806	1	8.21	234218	20.0
unknown7.74	7.74	83.4	ng	976212	1	8.21	234218	20.0
Hexadecane	15.63	3.1	ng	77543	3	14.82	495871	20.0
Eicosane	16.49	3.5	ng	91436	4	17.56	517147	20.0
1H-Cyclopropa[l]p...	18.47	3.0	ng	78986	4	17.56	517147	20.0
Benzaldehyde, 3,5...	18.62	3.6	ng	93393	4	17.56	517147	20.0
9,10-Anthracenedione	18.96	2.4	ng	60829	4	17.56	517147	20.0
Pentadecane	19.33	2.5	ng	65297	4	17.56	517147	20.0
11H-Benzo[a]fluorene	20.60	3.5	ng	158548	5	21.83	909212	20.0