LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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	3.093	38	43	69	rVB	2499087	3669783	100.00%	21.875%
2	3.363	84	89	98	rVB	25453	38863	1.06%	0.232%
3	5.285	408	416	425	rBV	95942	151204	4.12%	0.901%
4	5.760	489	497	507	rBV	450140	726683	19.80%	4.332%
5	7.364	759	770	781	rBV	596648	1067588	29.09%	6.364%
6	7.746	827	835	844	rBV	546079	971245	26.47%	5.789%
7	8.211	907	914	926	rVB	121573	211797	5.77%	1.262%
8	8.540	959	970	979	rVB	427183	737929	20.11%	4.399%
9	9.380	1104	1113	1125	rBV	367957	675263	18.40%	4.025%
10	11.031	1386	1394	1399	rBV	169071	315643	8.60%	1.881%
11	13.451	1798	1806	1813	rVB	882989	1417788	38.63%	8.451%
12	14.262	1937	1944	1950	rBV	95207	148396	4.04%	0.885%
13	14.691	2012	2017	2021	rBV	29550	38388	1.05%	0.229%
14	14.820	2033	2039	2046	rVB2	264057	435263	11.86%	2.594%
15	15.637	2174	2178	2182	rVB	46835	60343	1.64%	0.360%
16	16.301	2285	2291	2300	rVB	397528	617059	16.81%	3.678%
17	16.495	2319	2324	2333	rBV	55292	108911	2.97%	0.649%
18	17.282	2453	2458	2462	rBV	46372	62672	1.71%	0.374%
19	17.558	2498	2505	2509	rBV2	322606	530204	14.45%	3.160%
20	17.599	2509	2512	2519	rVB	199121	277465	7.56%	1.654%
21	17.694	2519	2528	2533	rBV	33820	64314	1.75%	0.383%
22	18.428	2648	2653	2656	rBV	30921	46640	1.27%	0.278%
23	18.475	2656	2661	2668	rVB3	40542	73721	2.01%	0.439%
24	18.622	2680	2686	2689	rBV2	39413	80815	2.20%	0.482%
25	18.704	2696	2700	2707	rBV2	21542	36756	1.00%	0.219%
26	19.327	2802	2806	2811	rBV	41047	62038	1.69%	0.370%
27	19.591	2846	2851	2857	rVB	291753	401722	10.95%	2.395%
28	19.914	2901	2906	2908	rBV2	37052	71034	1.94%	0.423%
29	19.950	2908	2912	2920	rVB	253697	383315	10.45%	2.285%
30	20.144	2939	2945	2950	rVB	1398981	1793599	48.87%	10.691%
31	20.431	2991	2994	2998	rVB3	46217	66163	1.80%	0.394%
32	21.436	3163	3165	3170	rVB2	69333	88809	2.42%	0.529%
33	21.830	3224	3232	3237	rBV2	373074	804722	21.93%	4.797%
34	25.167	3793	3800	3810	rVB3	192998	540379	14.73%	3.221%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
POST-EX-22-20160412

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

Sum of corrected areas: 16776514

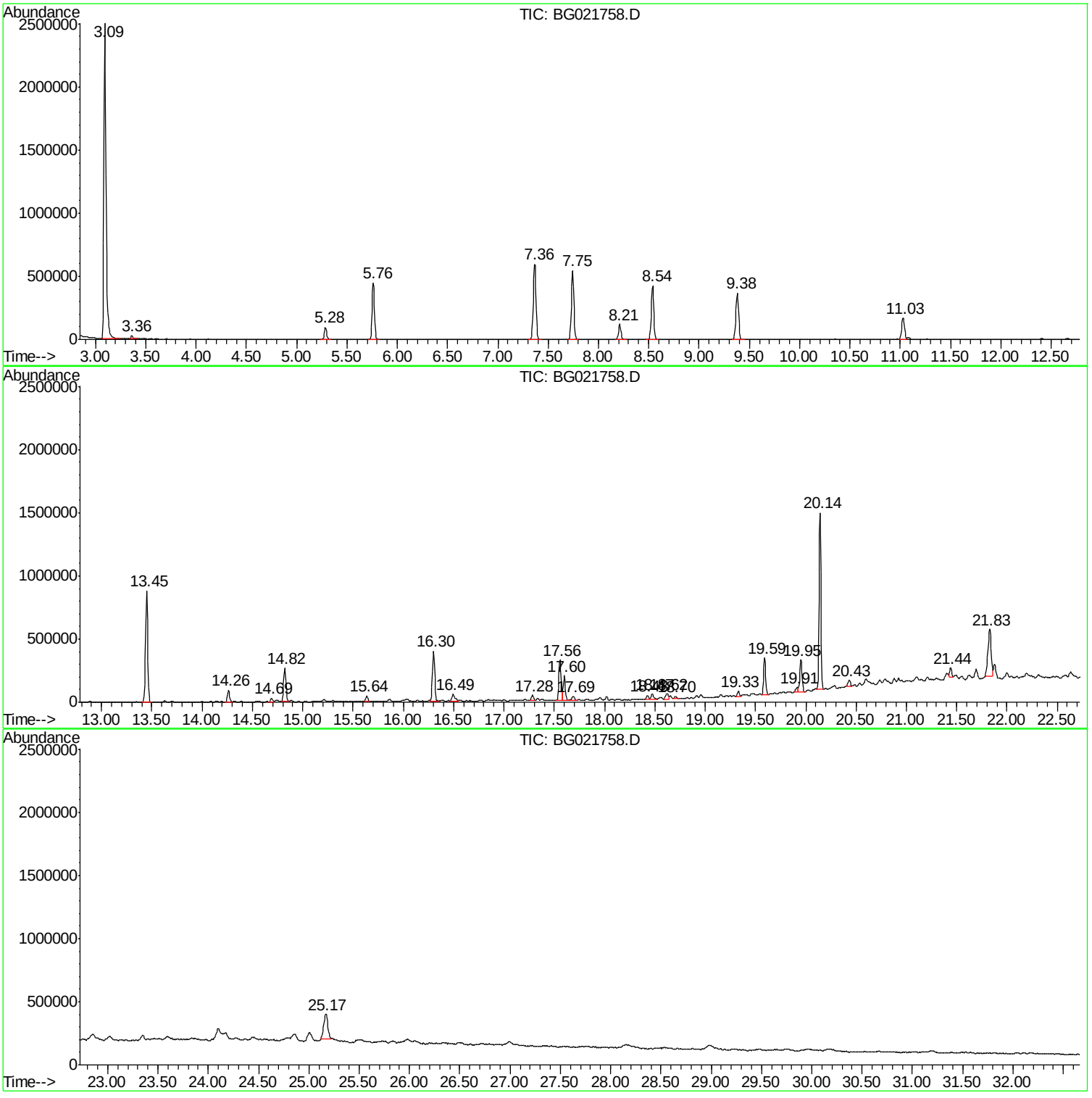
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
POST-EX-22-20160412

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 : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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

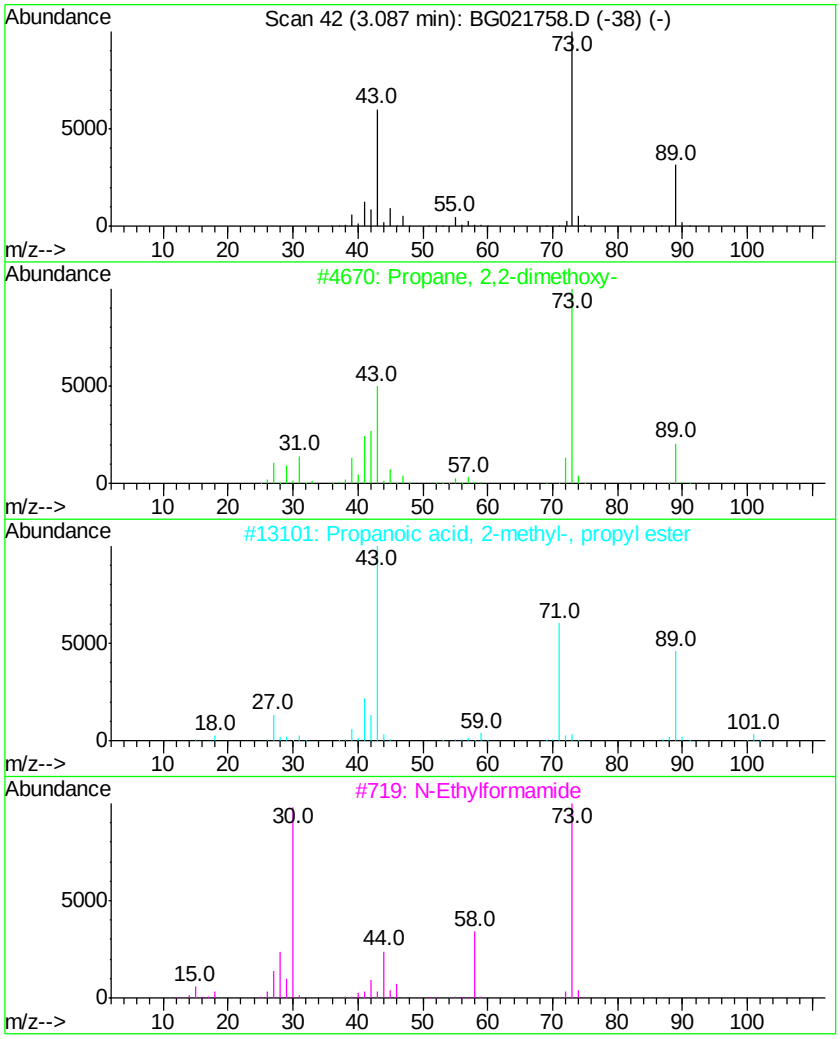
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

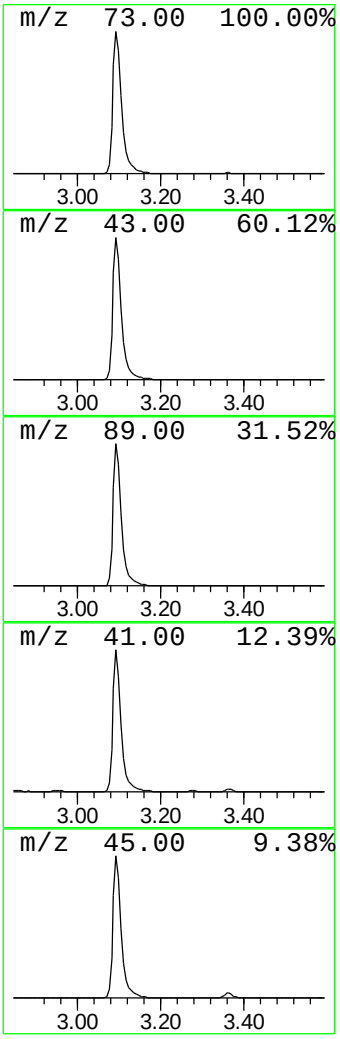
****

Peak Number 1 unknown3.09 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	346.54 ng	3669780	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	38
2	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	16
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9
5	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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

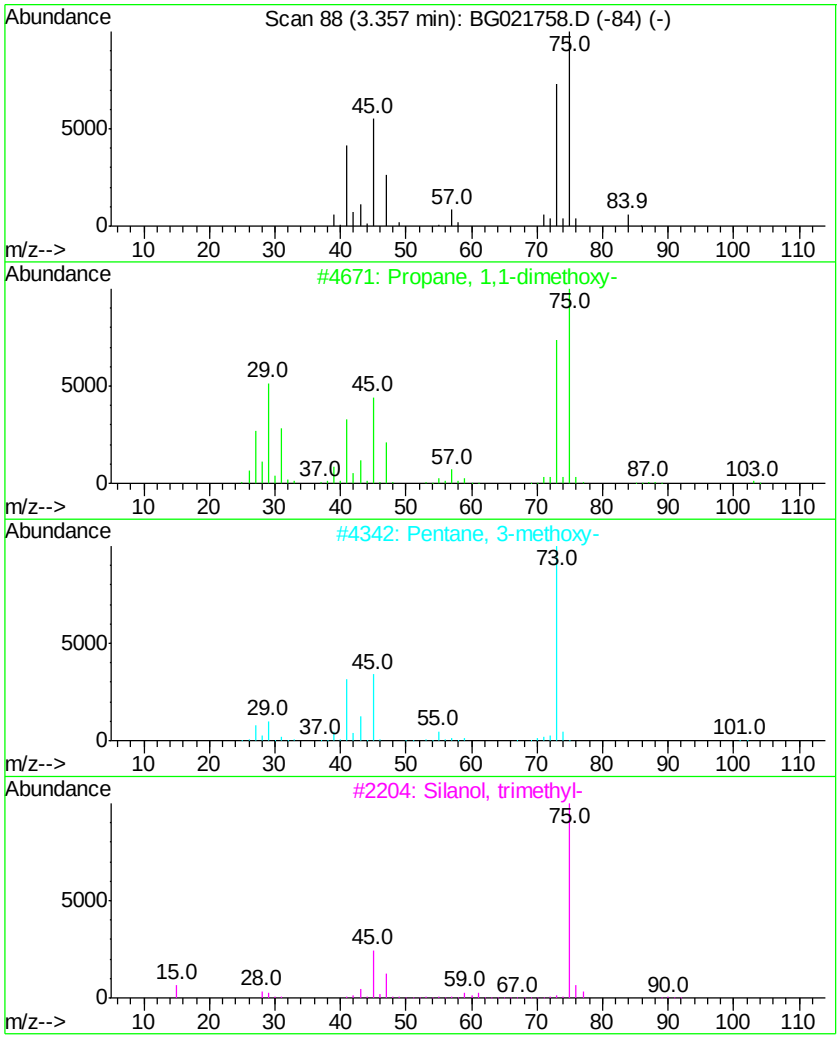
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

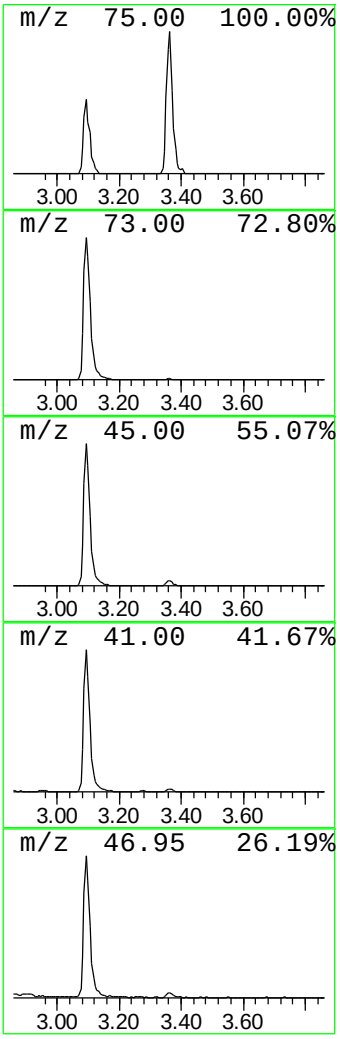
****

Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	3.67 ng	38863	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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	14
3	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	9
4	3,3-Dichloropropyne	108	C3H2Cl2	025523-14-2	9
5	Formamide, N-methylthio	75	C2H5NS	018952-41-5	7





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
POST-EX-22-20160412

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

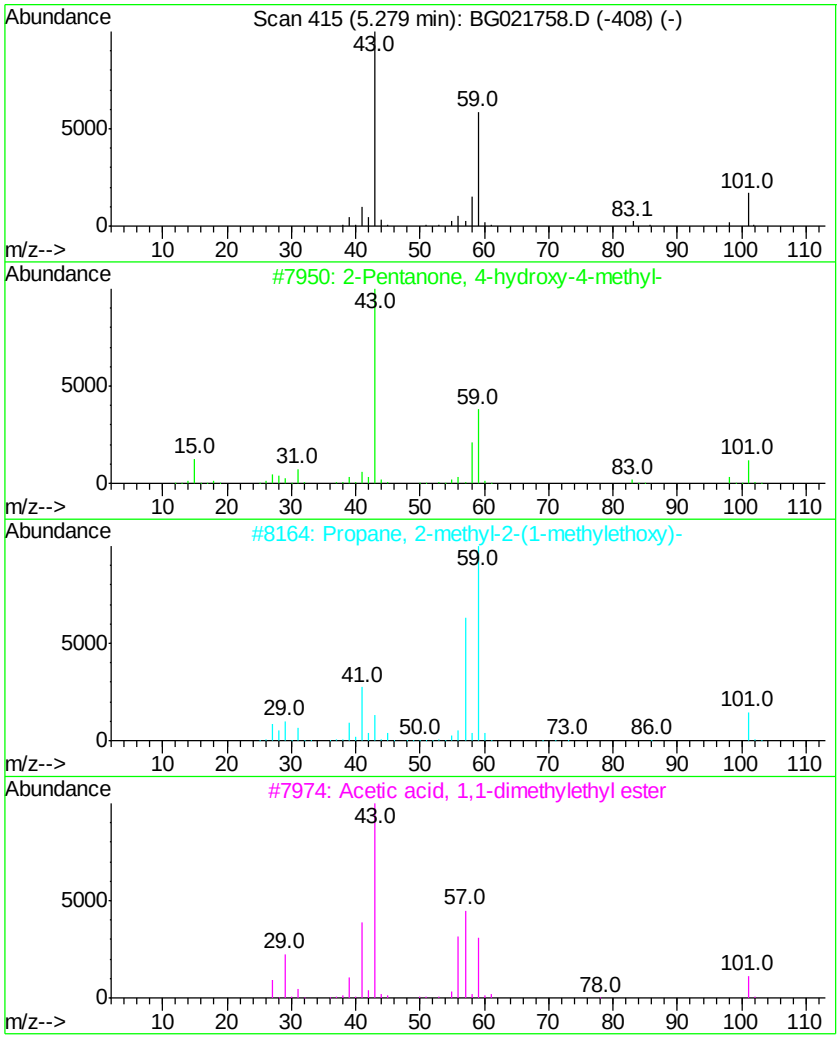
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

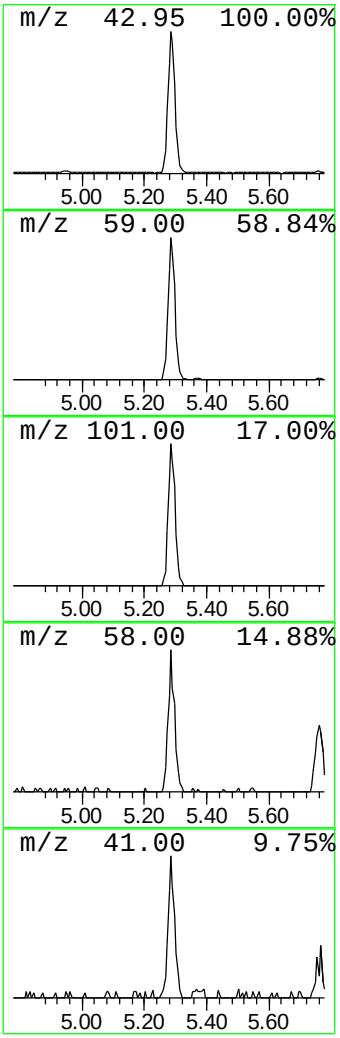
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	14.28 ng	151204	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	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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

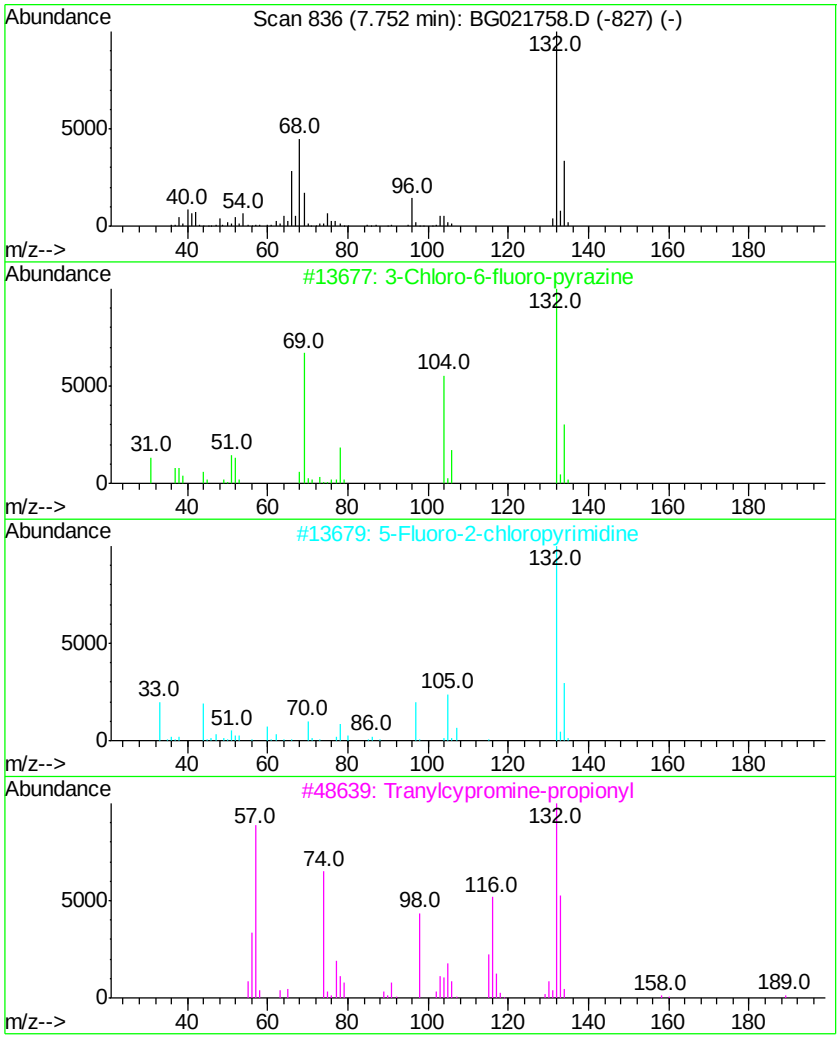
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

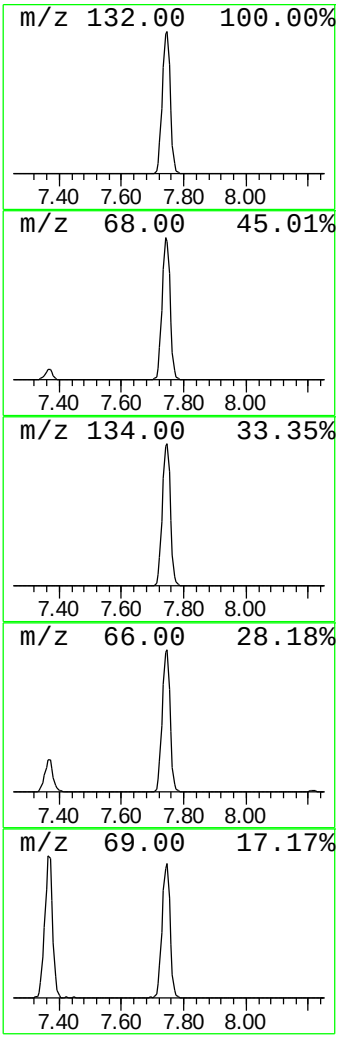
****

Peak Number 4 unknown7.75 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	91.71 ng	971245	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	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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

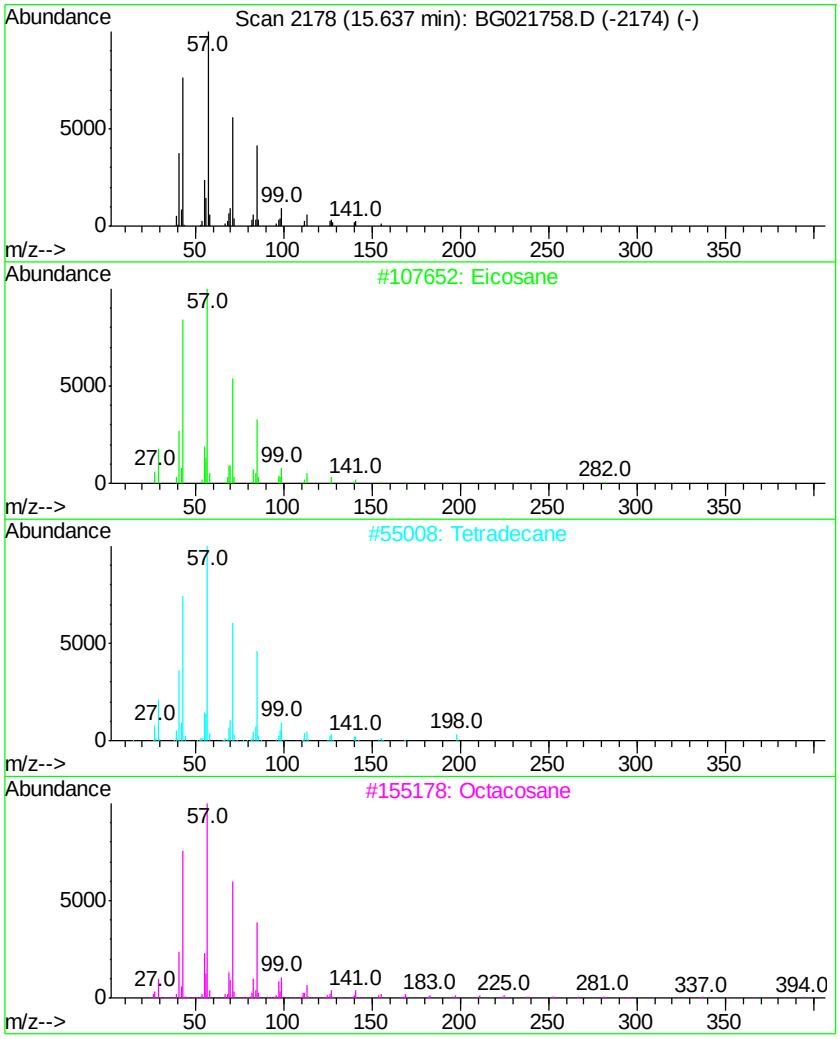
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

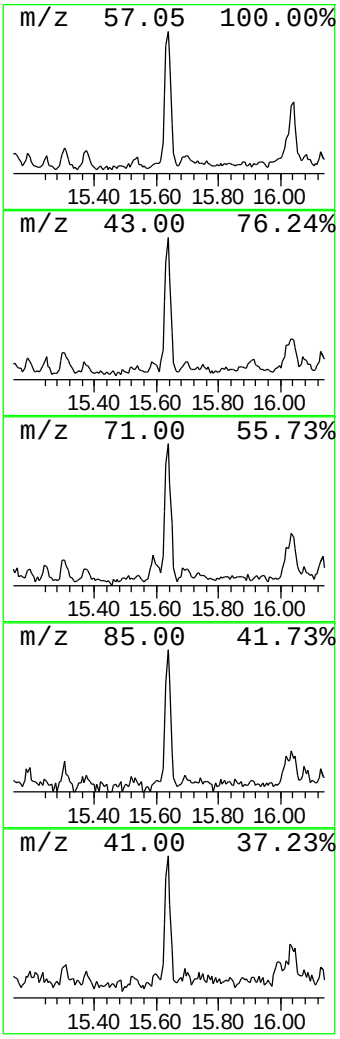
****

Peak Number 6 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	2.77 ng	60343	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Pentadecane	212	C15H32	000629-62-9	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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

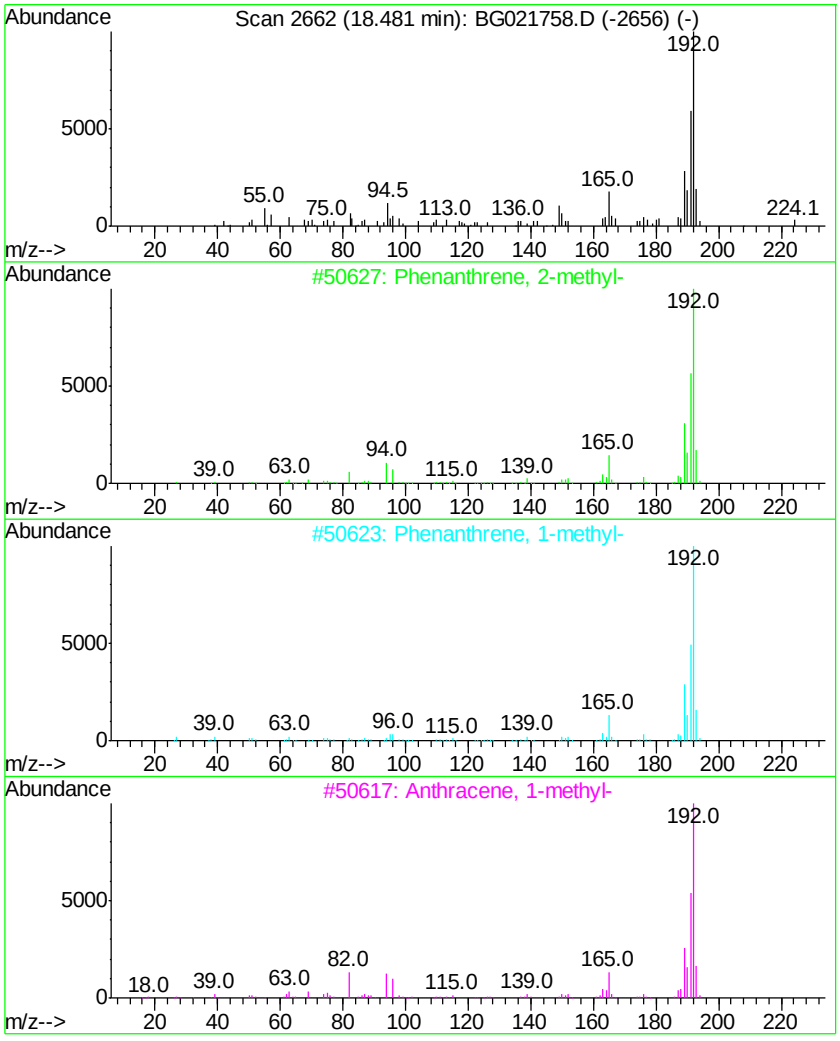
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

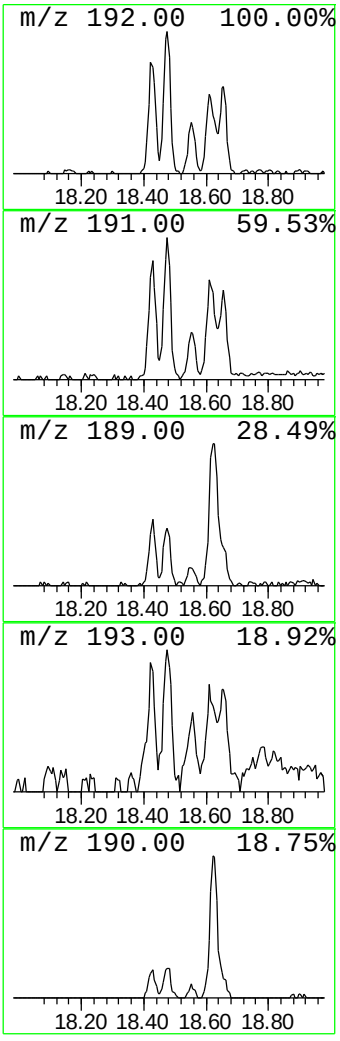
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	2.78 ng	73721	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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

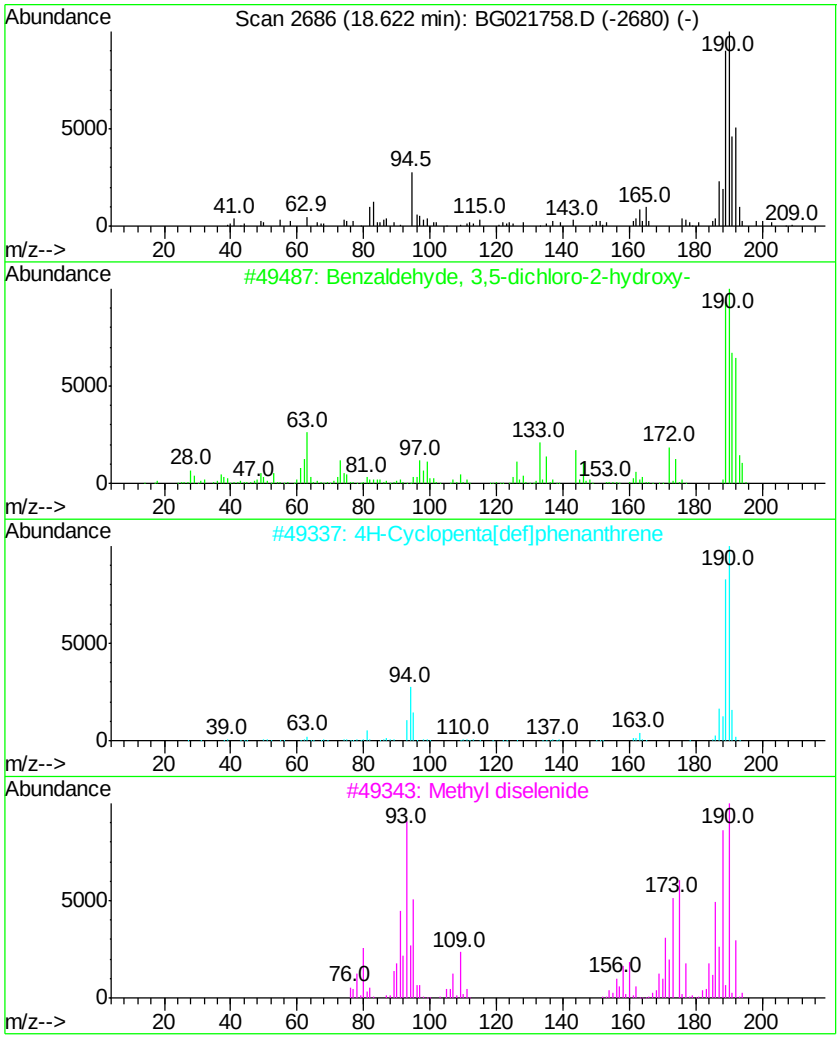
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

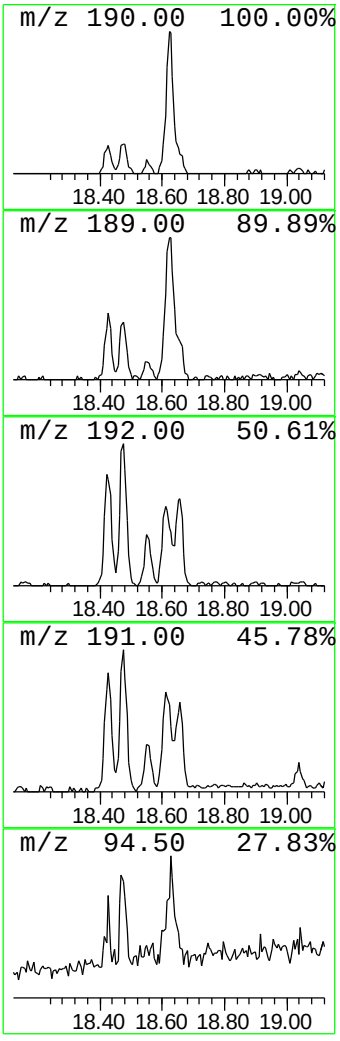
****

Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.05 ng	80815	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	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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

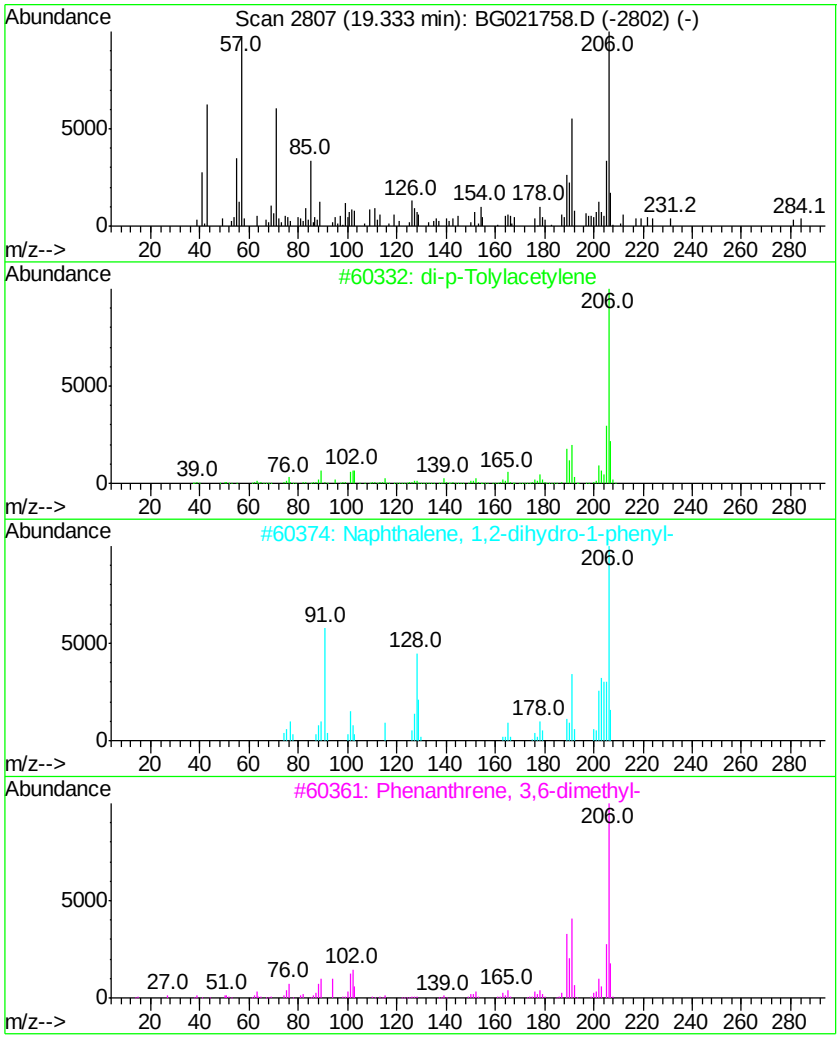
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

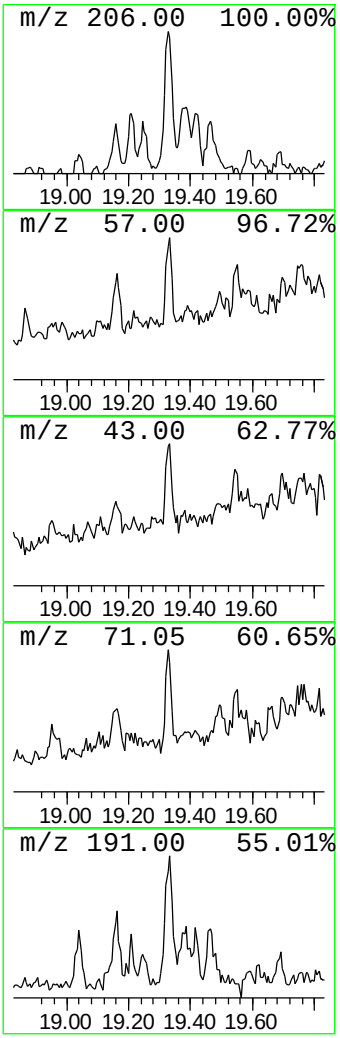
****

Peak Number 11 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	2.34 ng	62038	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	86
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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

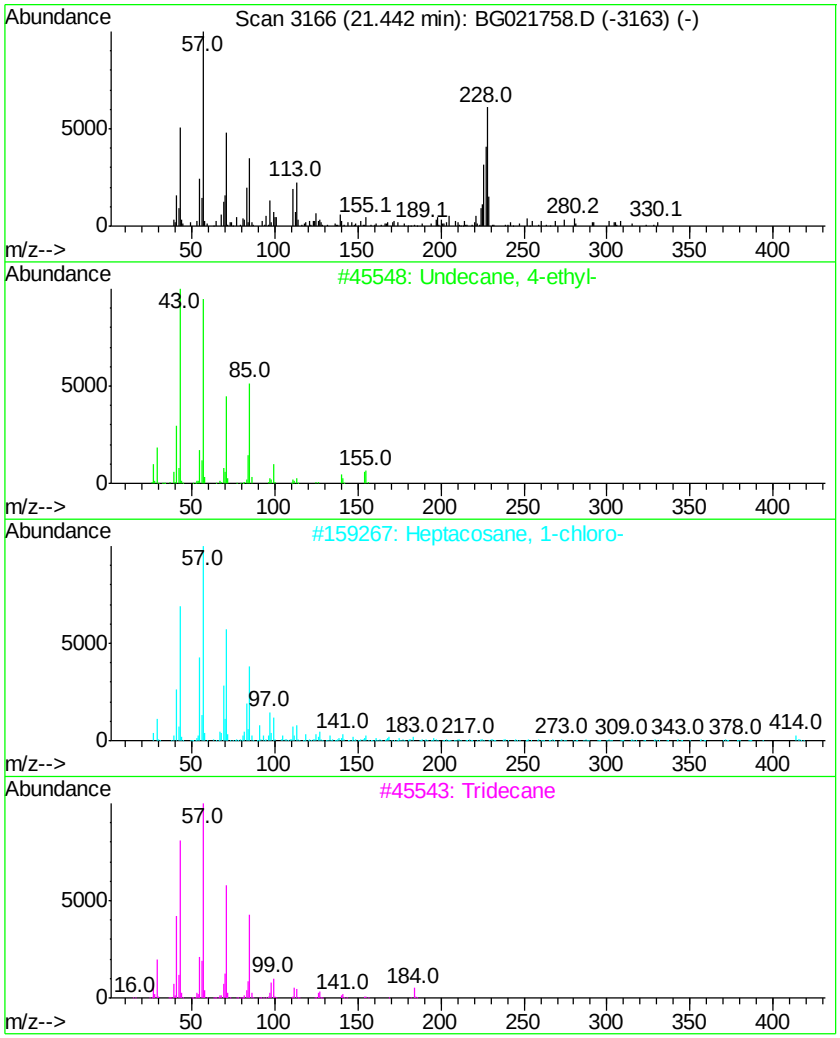
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

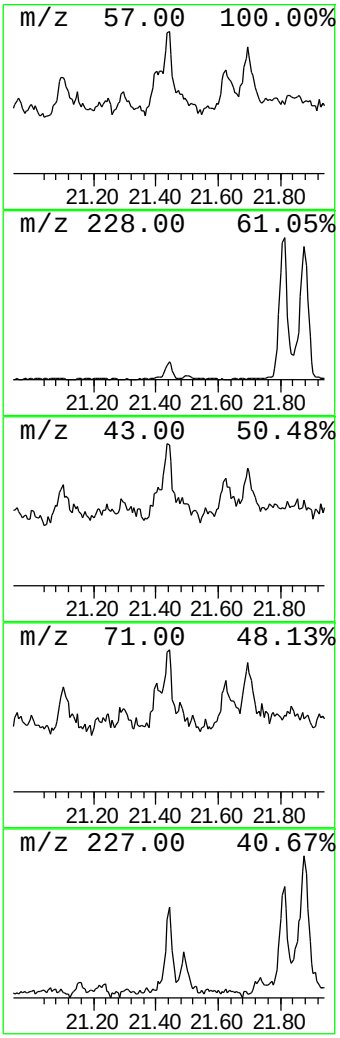
****

Peak Number 12 unknown21.44 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	2.21 ng	88809	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-ethyl-	184	C13H28	017312-59-3	27
2	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	27
3	Tridecane	184	C13H28	000629-50-5	27
4	Nonadecane	268	C19H40	000629-92-5	27
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : POST-EX-22-20160412

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
unknown3.09	3.09	346.5	ng	3669780	1	8.21	211797	20.0
Propane, 1,1-dime...	3.36	3.7	ng	38863	1	8.21	211797	20.0
2-Pentanone, 4-hy...	5.28	14.3	ng	151204	1	8.21	211797	20.0
unknown7.75	7.75	91.7	ng	971245	1	8.21	211797	20.0
Eicosane	15.64	2.8	ng	60343	3	14.82	435263	20.0
Phenanthrene, 2-m...	18.48	2.8	ng	73721	4	17.56	530204	20.0
Benzaldehyde, 3,5...	18.62	3.0	ng	80815	4	17.56	530204	20.0
di-p-Tolylacetylene	19.33	2.3	ng	62038	4	17.56	530204	20.0
unknown21.44	21.44	2.2	ng	88809	5	21.83	804722	20.0