LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

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_F\METHODS\8270-BF121315.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	2.178	5	8	15	rVB	33279	49806	1.39%	0.175%
2	5.093	260	263	268	rBV	474306	678567	18.92%	2.379%
3	5.504	296	299	302	rBV	1952065	2987371	83.29%	10.474%
4	6.533	386	389	391	rVB	2587643	2850483	79.47%	9.994%
5	6.670	398	401	403	rBV	2918976	3031222	84.51%	10.628%
6	6.899	418	421	423	rBV	755079	626559	17.47%	2.197%
7	7.059	432	435	437	rBV	2593787	2426214	67.64%	8.507%
8	7.459	467	470	472	rBV	1764545	1791727	49.95%	6.282%
9	7.562	475	479	485	rBB	70639	104548	2.91%	0.367%
10	8.179	531	533	536	rBB	804309	784567	21.87%	2.751%
11	9.265	625	628	630	rBV	3392193	3586757	100.00%	12.576%
12	9.653	659	662	664	rBV	923089	761363	21.23%	2.669%
13	9.882	679	682	684	rBV2	31879	36587	1.02%	0.128%
14	9.939	684	687	689	rVV	1027773	947138	26.41%	3.321%
15	10.373	724	725	727	rVB	59661	55696	1.55%	0.195%
16	10.602	742	745	748	rBV	21348	42389	1.18%	0.149%
17	10.728	753	756	758	rBV	1849361	2216443	61.80%	7.771%
18	10.853	765	767	771	rBV2	53219	100970	2.82%	0.354%
19	11.299	804	806	807	rBV	50066	51599	1.44%	0.181%
20	11.413	814	816	819	rVB	932667	856790	23.89%	3.004%
21	13.002	952	955	957	rBV	2710815	2539858	70.81%	8.905%
22	13.482	995	997	1000	rVB	88057	79591	2.22%	0.279%
23	13.905	1032	1034	1039	rBV3	75377	108440	3.02%	0.380%
24	14.042	1044	1046	1049	rBV	682073	682977	19.04%	2.395%
25	14.911	1120	1122	1124	rVB	48064	59856	1.67%	0.210%
26	15.482	1169	1172	1175	rBV	483972	623777	17.39%	2.187%
27	15.642	1184	1186	1189	rVB3	30521	43010	1.20%	0.151%
28	16.191	1232	1234	1240	rVB2	65422	127955	3.57%	0.449%
29	16.614	1269	1271	1277	rVB	44558	93825	2.62%	0.329%
30	17.185	1318	1321	1324	rVB3	32454	72433	2.02%	0.254%
31	17.254	1324	1327	1332	rVB6	31105	64780	1.81%	0.227%
32	17.791	1372	1374	1380	rVB6	14519	37780	1.05%	0.132%

LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

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_F\METHODS\8270-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 28521078

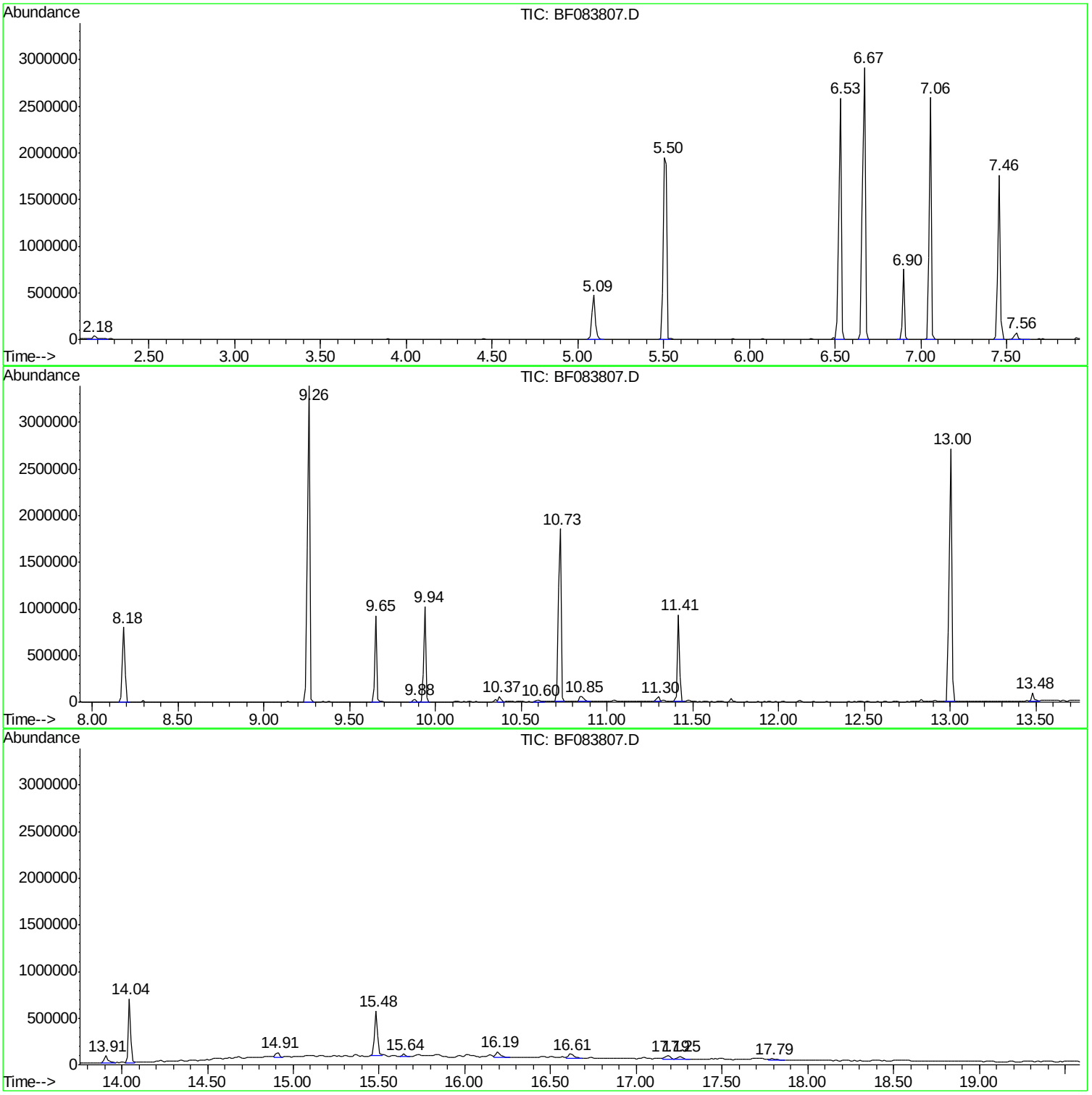
LSC Report - Integrated Chromatogram

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

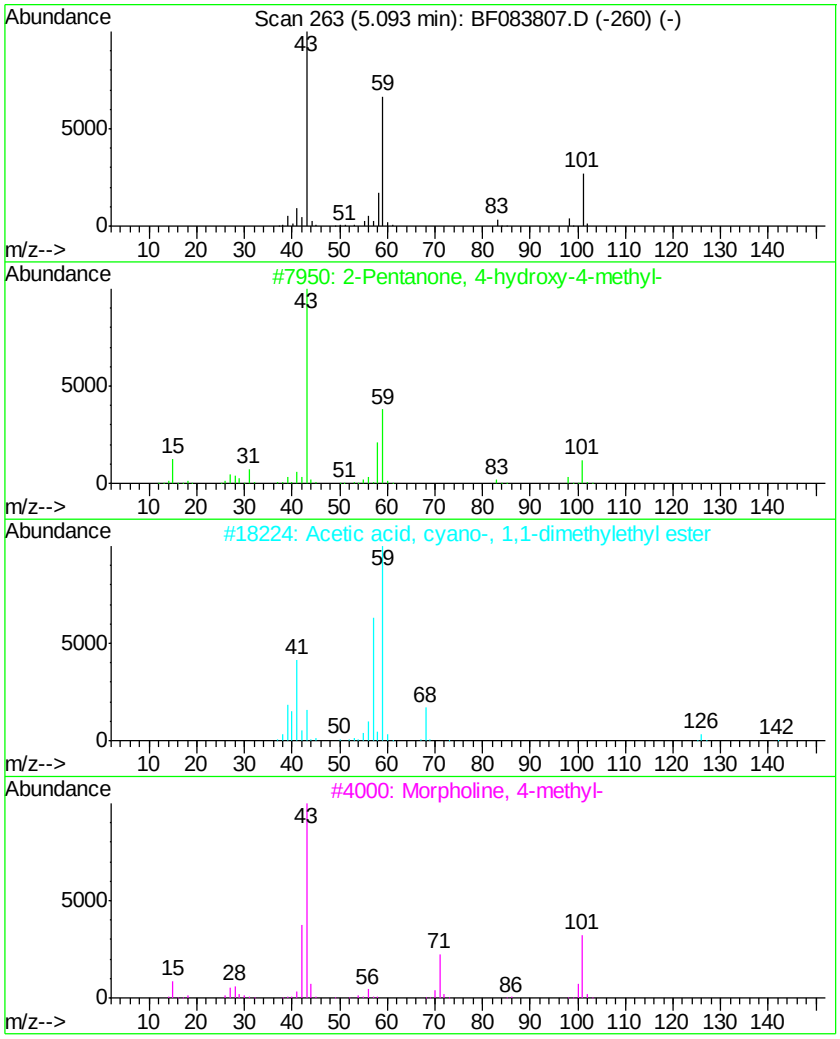
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

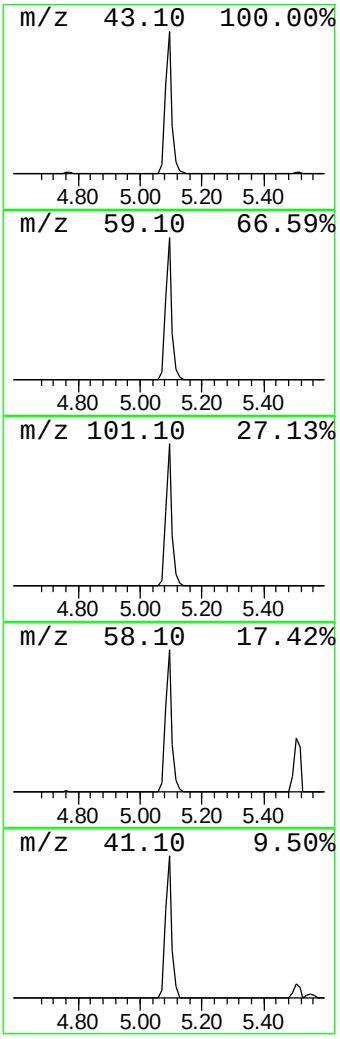
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	21.66 ng	678567	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

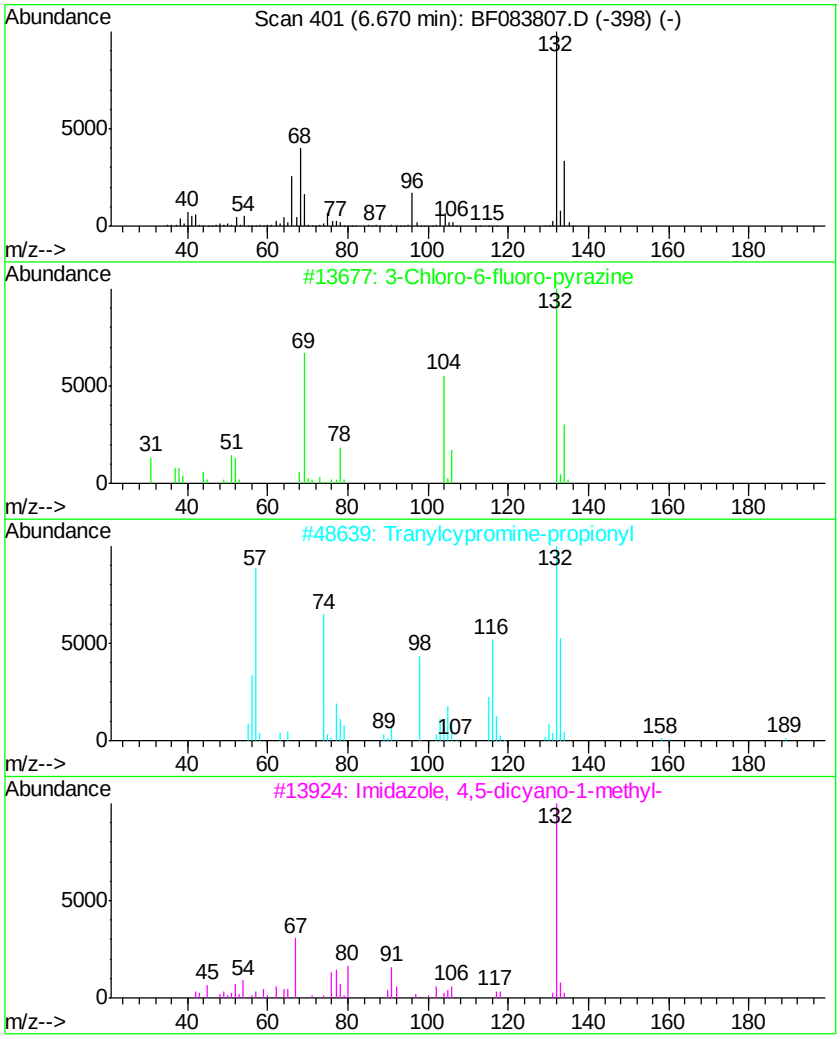
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

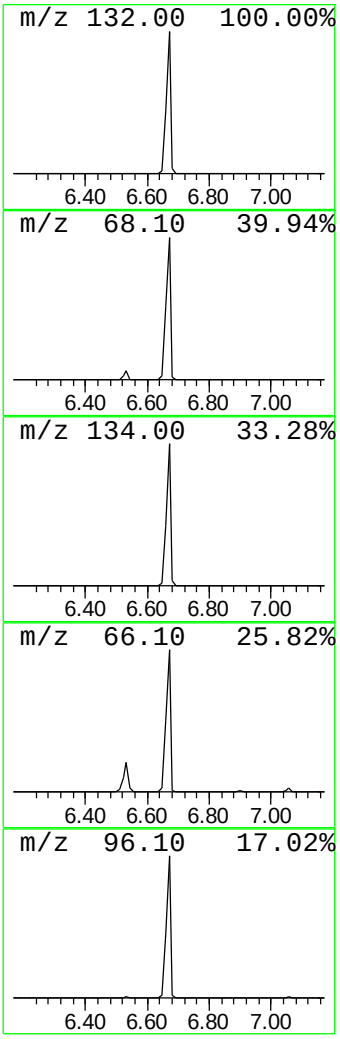
****

Peak Number 2 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	96.76 ng	3031220	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

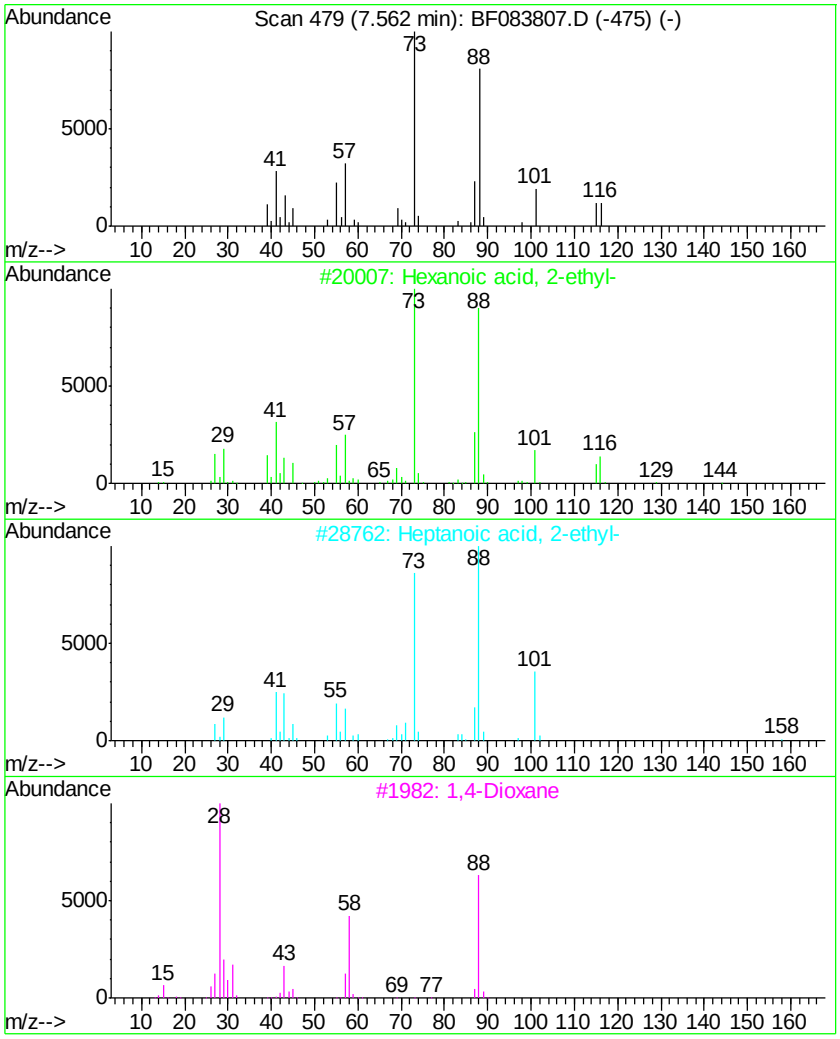
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

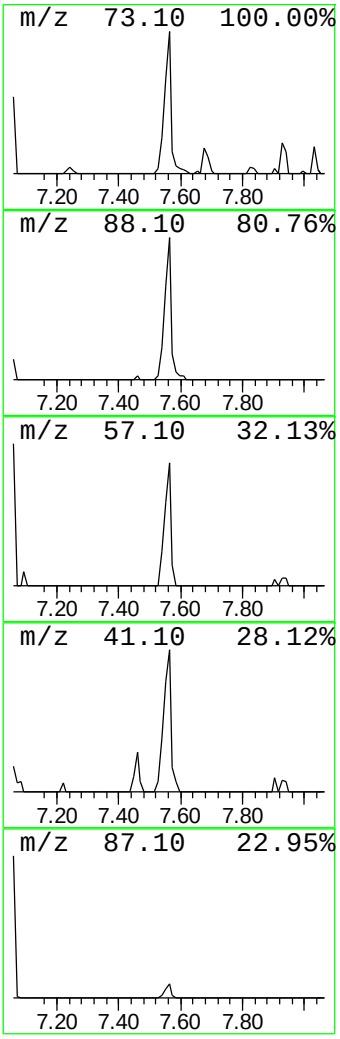
****

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	2.67 ng	104548	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	59
3	1,4-Dioxane	88	C4H8O2	000123-91-1	38
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	33
5	Hexanamide, 6-(heptyloxy)-	229	C13H27NO2	055191-08-7	28





Library Search Compound Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

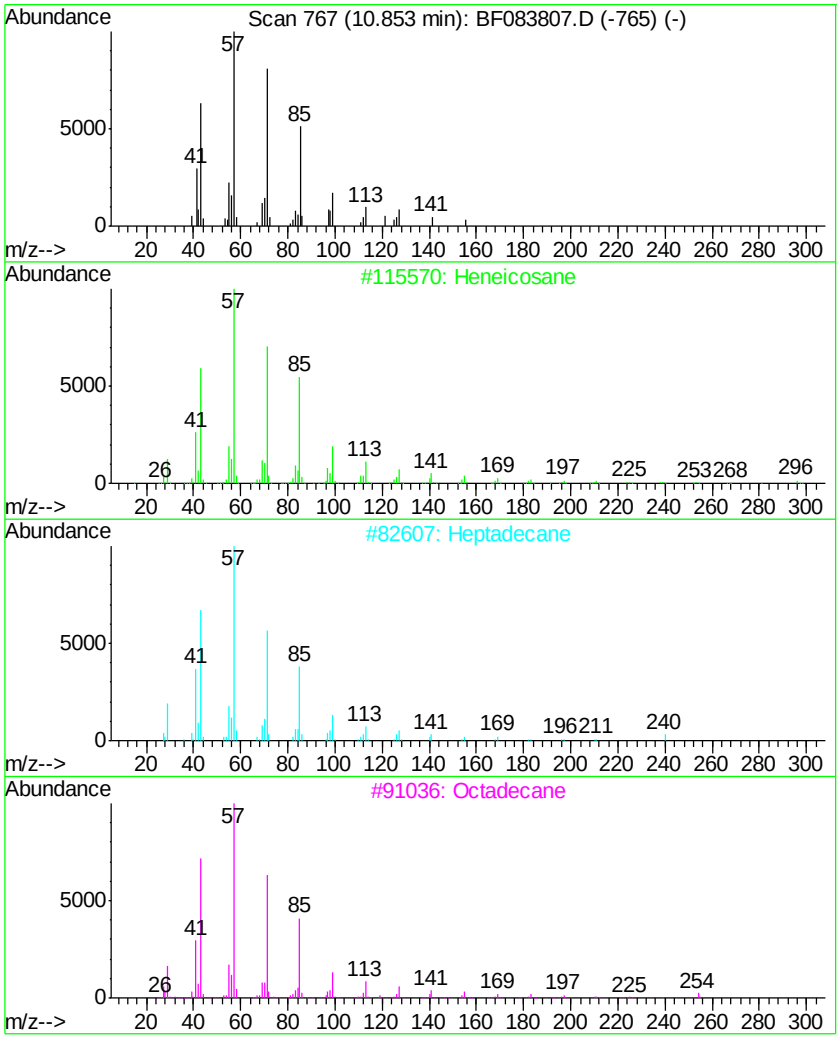
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

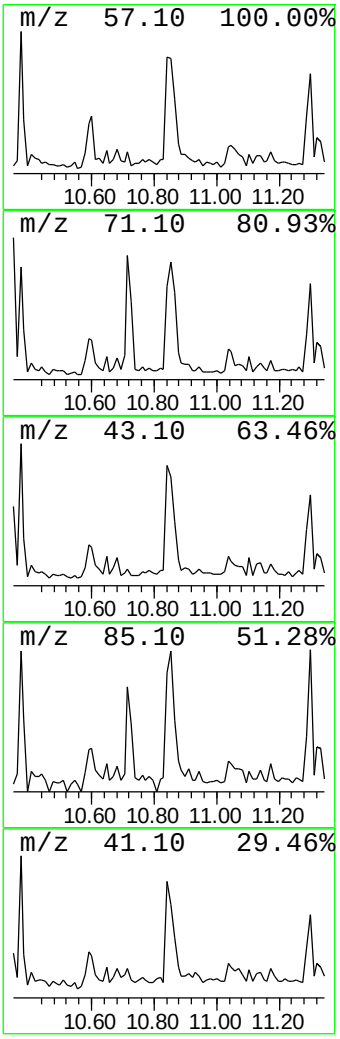
****

Peak Number 5 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.36 ng	100970	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Octadecane	254	C18H38	000593-45-3	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tetracosane	338	C24H50	000646-31-1	86





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

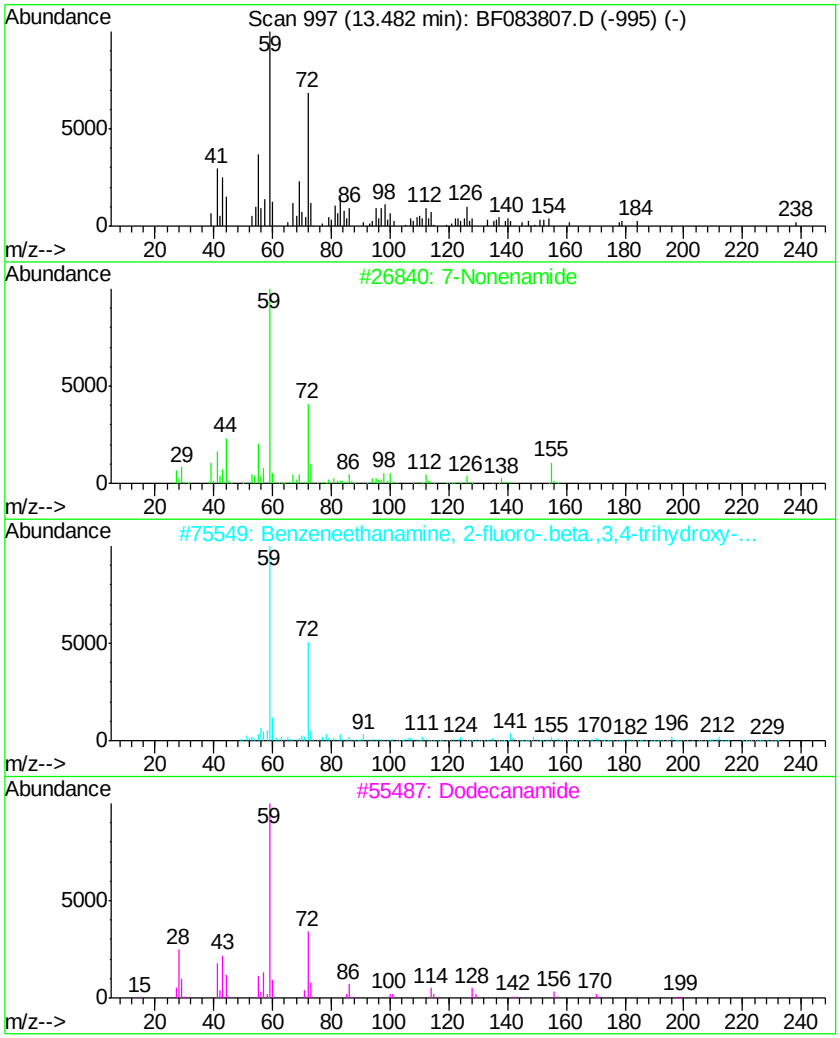
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

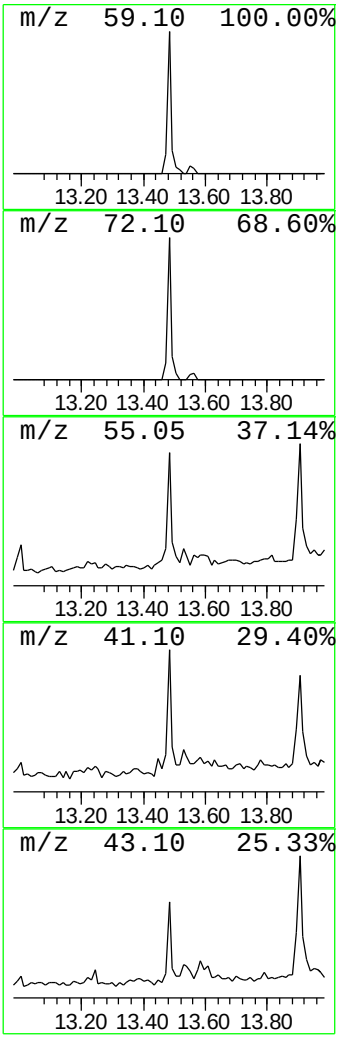
****

Peak Number 6 7-Nonenamide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	2.33 ng	79591	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Nonenamide	155	C9H17NO	090949-53-4	72
2	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	50
3	Dodecanamide	199	C12H25NO	001120-16-7	50
4	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	50
5	Octanamide	143	C8H17NO	000629-01-6	47





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

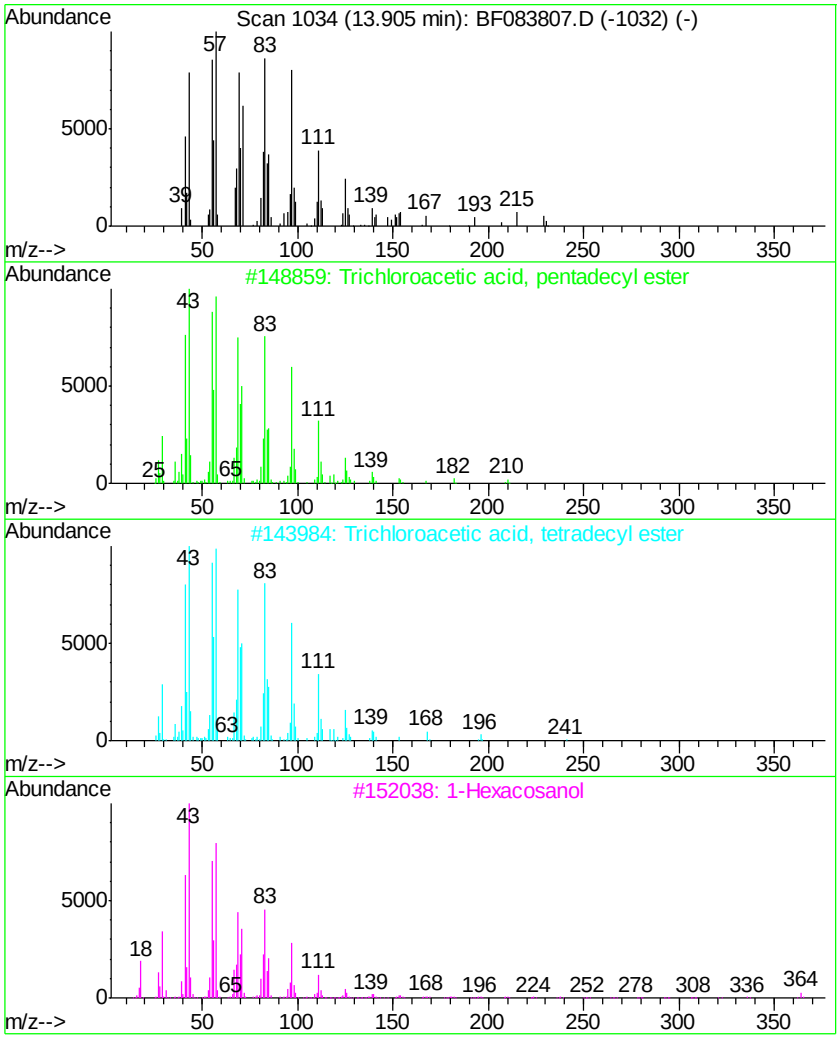
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

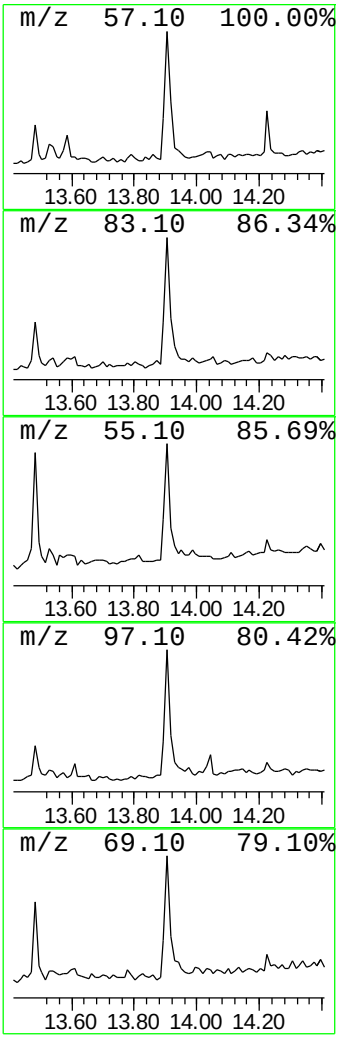
****

Peak Number 7 Trichloroacetic acid, penta... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	3.18 ng	108440	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
2	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
3	1-Hexacosanol	382	C26H54O	000506-52-5	91
4	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

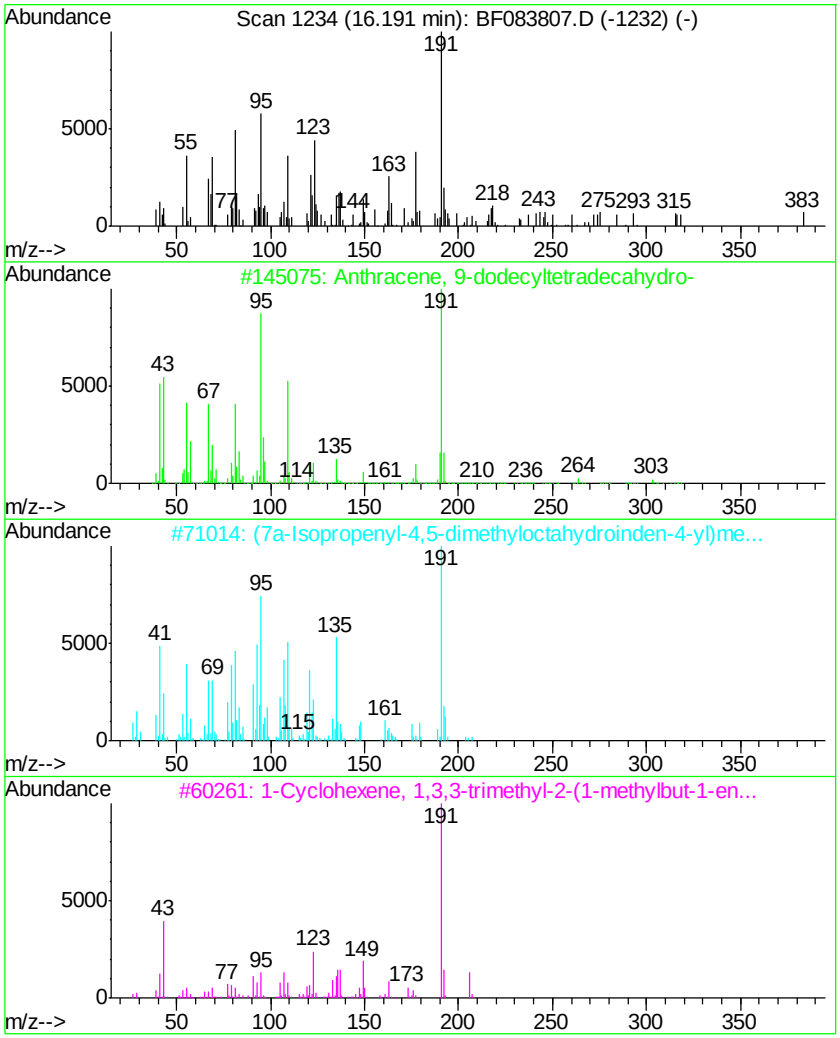
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

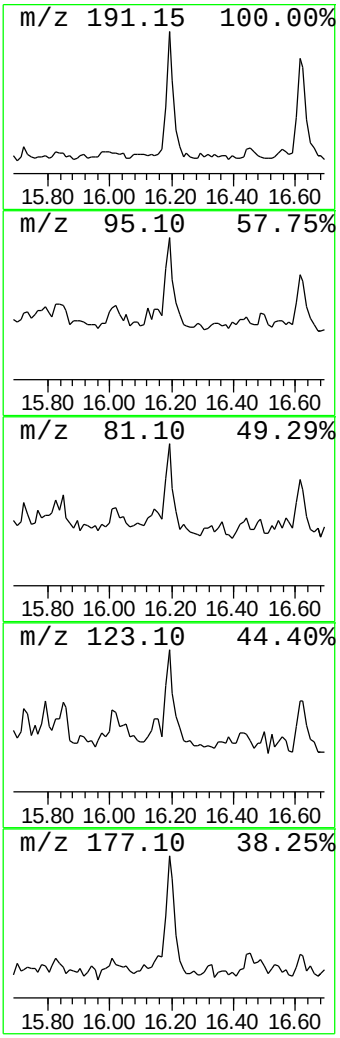
****

Peak Number 8 unknown16.19 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	4.10 ng	127955	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	37
2	(7a-Isopropenyl-4,5-dimethyloctа...	222	C15H26O	1000187-02-9	37
3	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	32
4	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	27
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	25





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ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

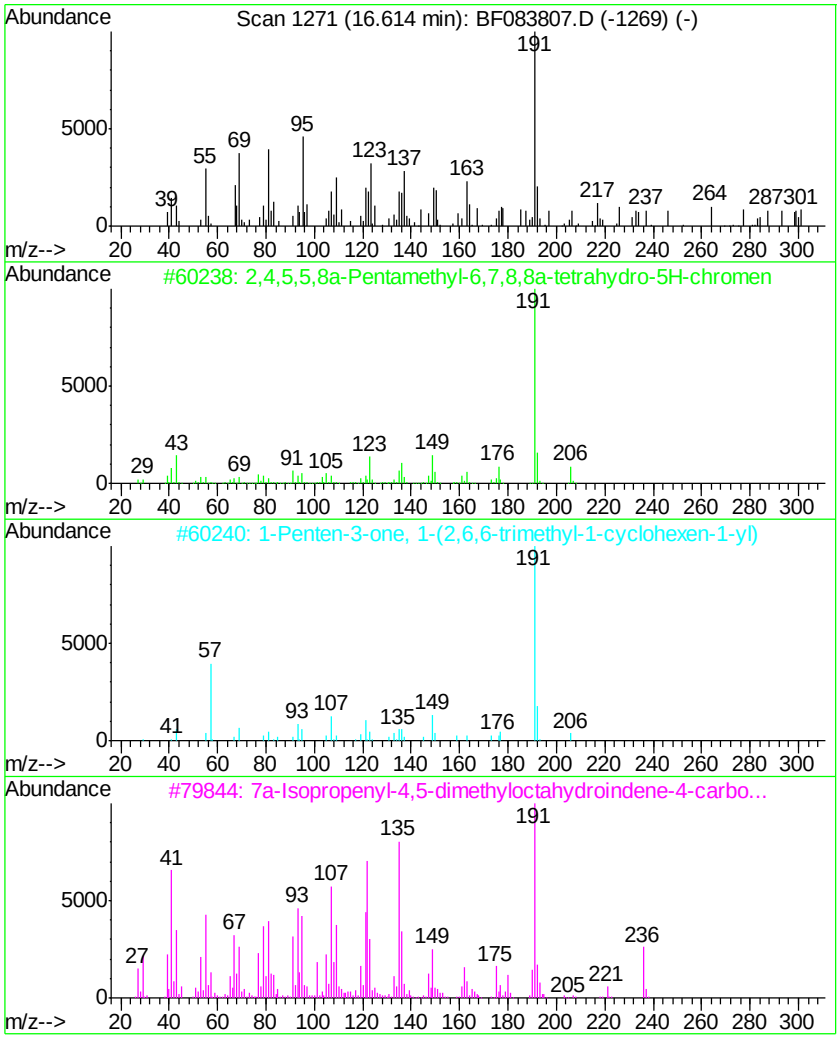
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

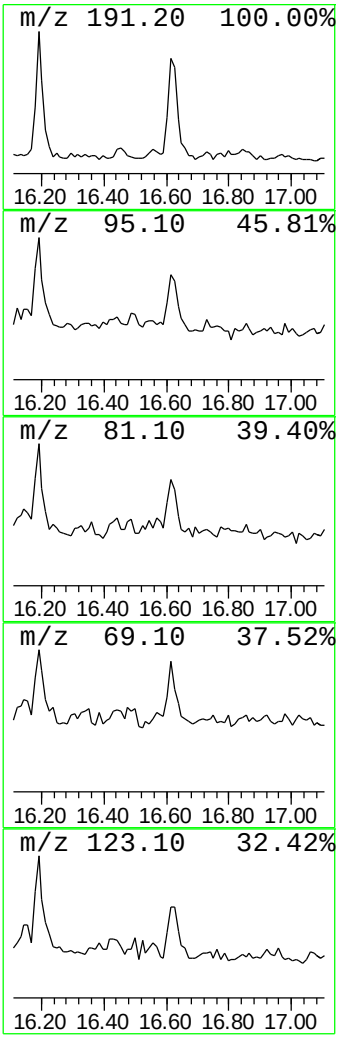
****

Peak Number 9 2,4,5,5,8a-Pentamethyl-6,7,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	3.01 ng	93825	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	53
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	45
3	7a-Isopropenyl-4,5-dimethyloctah...	236	C15H24O2	1000192-14-7	38
4	Isoquinoline, 1,2,3,4-tetrahydro...	283	C18H21NO2	036646-87-4	38
5	Amiphenazole	191	C9H9N3S	000490-55-1	38





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

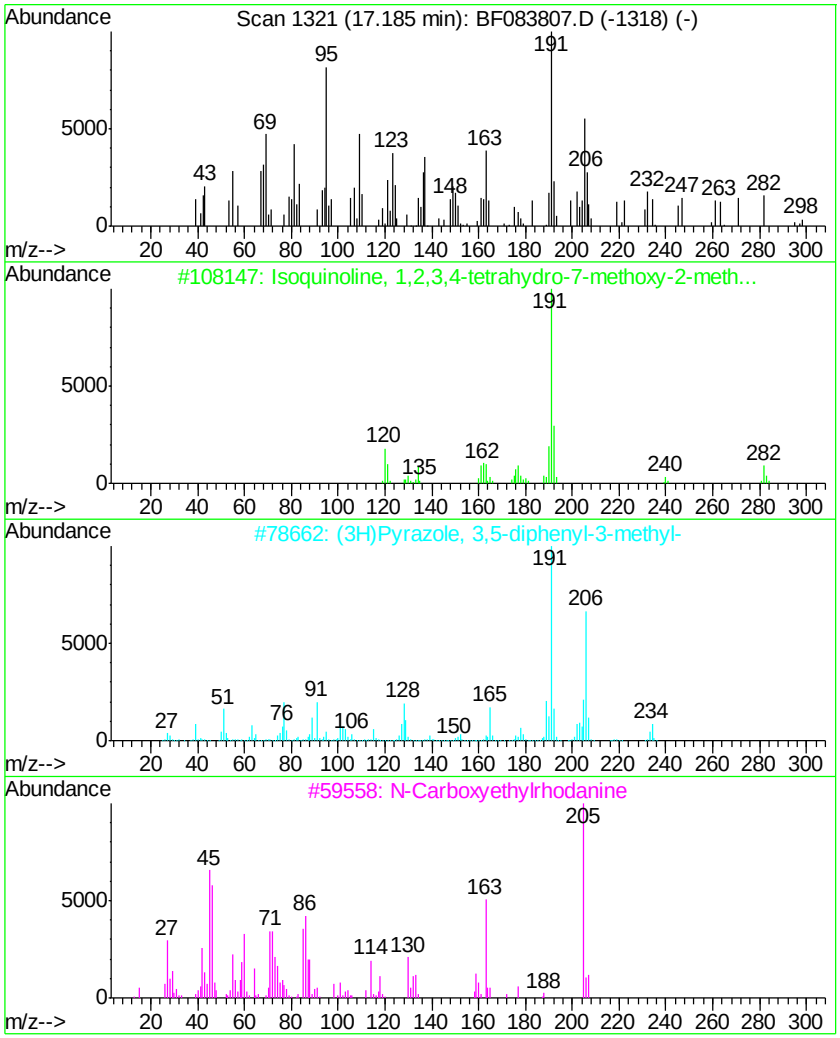
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

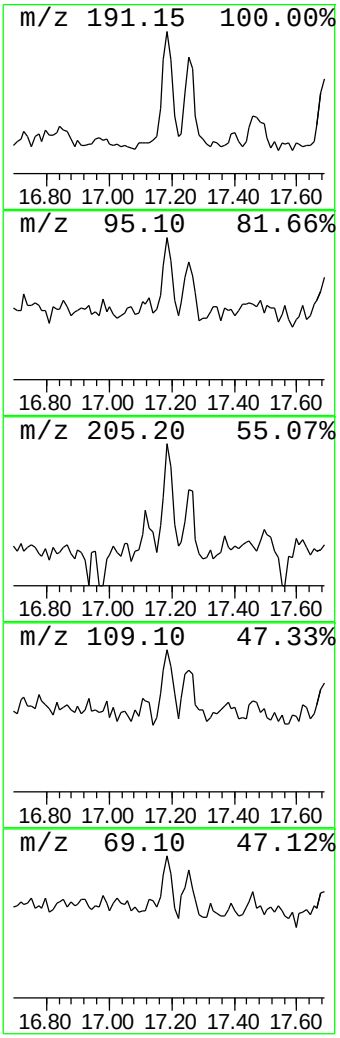
****

Peak Number 10 unknown17.19 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	2.32 ng	72433	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1,2,3,4-tetrahydro...	283	C18H21NO2	036646-87-4	35
2	(3H)Pyrazole, 3,5-diphenyl-3-met...	234	C16H14N2	022675-60-1	25
3	N-Carboxyethylrhodanine	205	C6H7NO3S2	007025-19-6	15
4	Naphthalene, decahydro-1,6-dimet...	208	C15H28	034315-85-0	15
5	Ethanone, 1-(4-amino-6-methyl-th...	206	C10H10N2OS	1000268-83-5	14





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

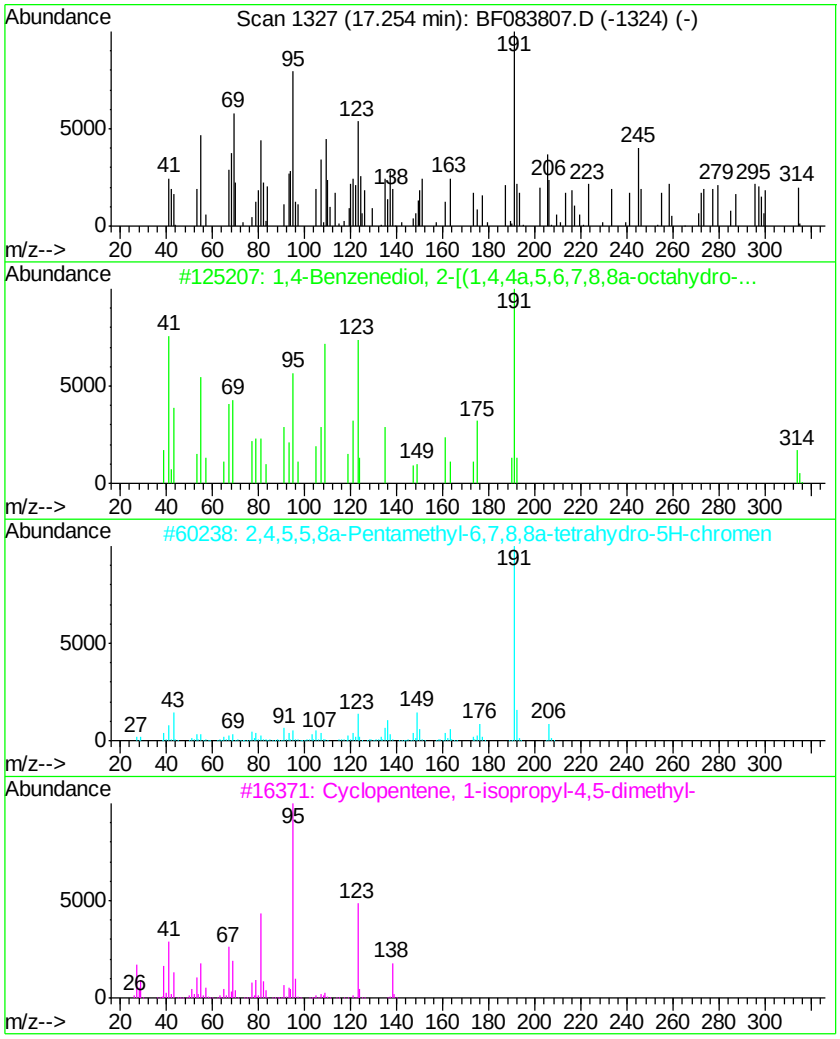
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

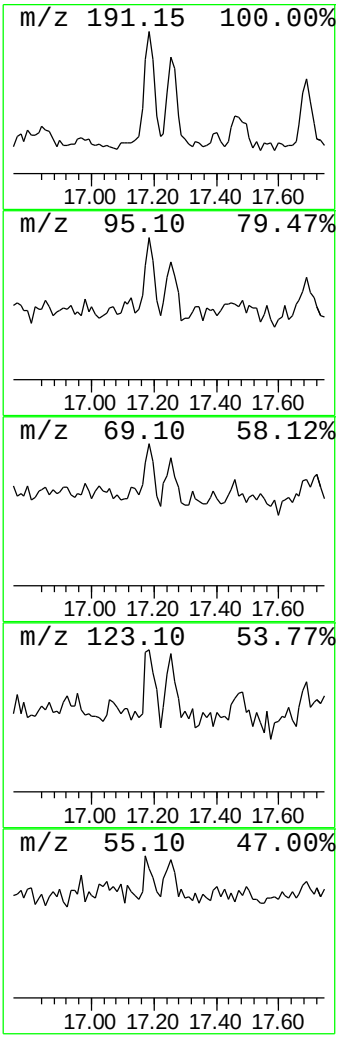
****

Peak Number 11 unknown17.25 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.08 ng	64780	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediol, 2-[(1,4,4a,5,6,...	314	C21H30O2	039707-55-6	45
2	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	27
3	Cyclopentene, 1-isopropyl-4,5-di...	138	C10H18	007712-74-5	15
4	Phenol, 2,6-bis(1,1-dimethylethyl)-	206	C14H22O	000128-39-2	14
5	Cyclopentene, 1-isopropyl-2,3-di...	138	C10H18	007712-73-4	11





Tentatively Identified Compound (LSC) summary

Data Path : V:\HPCHEM1\BNA_F\DATA\BF121515\
Data File : BF083807.D
Acq On : 15 Dec 2015 9:38
Operator : UM/IZ
Sample : G4761-04
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOUTH-SIDEWALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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
2-Pentanone, 4-hy...	5.09	21.7	ng	678567	1	6.90	626559	20.0
unknown6.67	6.67	96.8	ng	3031220	1	6.90	626559	20.0
Hexanoic acid, 2-...	7.56	2.7	ng	104548	2	8.18	784567	20.0
Heneicosane	10.85	2.4	ng	100970	4	11.41	856790	20.0
7-Nonenamide	13.48	2.3	ng	79591	5	14.04	682977	20.0
Trichloroacetic a...	13.91	3.2	ng	108440	5	14.04	682977	20.0
unknown16.19	16.19	4.1	ng	127955	6	15.48	623777	20.0
2,4,5,5,8a-Pentam...	16.61	3.0	ng	93825	6	15.48	623777	20.0
unknown17.19	17.19	2.3	ng	72433	6	15.48	623777	20.0
unknown17.25	17.25	2.1	ng	64780	6	15.48	623777	20.0