LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

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-BF020116.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	4.156	179	181	187	rBV	43757	66211	3.99%	0.266%
2	4.853	239	242	245	rBV	805882	828286	49.94%	3.333%
3	5.298	279	281	284	rBV	1000690	970019	58.48%	3.903%
4	5.710	315	317	319	rVB	56613	49292	2.97%	0.198%
5	5.973	337	340	342	rVB	55608	64229	3.87%	0.258%
6	6.361	371	374	376	rBV	998784	1038023	62.58%	4.177%
7	6.476	382	384	387	rBV	1157219	1031290	62.17%	4.150%
8	6.704	402	404	407	rBV	760106	1054898	63.60%	4.245%
9	6.864	416	418	421	rVB	980277	851838	51.36%	3.427%
10	6.990	425	429	432	rVB3	11086	24017	1.45%	0.097%
11	7.276	452	454	456	rVB	799842	652252	39.32%	2.624%
12	7.996	515	517	522	rBV2	1536059	1658719	100.00%	6.674%
13	8.636	571	573	577	rBV3	10086	17112	1.03%	0.069%
14	8.716	577	580	581	rVV	74350	82732	4.99%	0.333%
15	8.807	586	588	590	rVB	94506	80262	4.84%	0.323%
16	9.082	609	612	614	rBV	733939	976856	58.89%	3.931%
17	9.173	617	620	623	rVB2	24913	26344	1.59%	0.106%
18	9.333	632	634	637	rVB	26825	38351	2.31%	0.154%
19	9.413	637	641	642	rBV	60165	65050	3.92%	0.262%
20	9.482	645	647	648	rVV	85342	114901	6.93%	0.462%
21	9.527	648	651	654	rVB2	29310	34851	2.10%	0.140%
22	9.607	656	658	661	rVV	190574	163467	9.86%	0.658%
23	9.699	661	666	668	rBV3	25911	44361	2.67%	0.178%
24	9.745	668	670	672	rBV	1012534	1436149	86.58%	5.779%
25	9.779	672	673	675	rVB	75523	64407	3.88%	0.259%
26	9.859	678	680	682	rVB2	10184	17714	1.07%	0.071%
27	9.905	682	684	687	rBV3	9798	27745	1.67%	0.112%
28	9.950	687	688	690	rVV	101881	88489	5.33%	0.356%
29	9.996	690	692	695	rVB4	15107	25408	1.53%	0.102%
30	10.065	695	698	700	rBV4	15095	21042	1.27%	0.085%
31	10.156	703	706	707	rBV2	14048	20651	1.24%	0.083%
32	10.190	707	709	711	rVB2	49823	49455	2.98%	0.199%
33	10.259	711	715	716	rBV4	9611	19997	1.21%	0.080%
34	10.293	716	718	721	rVB	147024	127441	7.68%	0.513%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

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-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.362	721	724	727	rBV2	17023	38214	2.30%	0.154%
36	10.408	727	728	731	rVV2	21755	25275	1.52%	0.102%
37	10.453	731	732	735	rVB	34929	30459	1.84%	0.123%
38	10.533	737	739	742	rBV	622857	564080	34.01%	2.270%
39	10.659	748	750	754	rBV2	46625	64523	3.89%	0.260%
40	10.842	763	766	767	rBV	30783	43690	2.63%	0.176%
41	11.036	781	783	785	rVB	98002	85084	5.13%	0.342%
42	11.128	785	791	794	rBV2	70071	124620	7.51%	0.501%
43	11.230	797	800	801	rBV	1613383	1479923	89.22%	5.955%
44	11.299	804	806	808	rVV	202659	239263	14.42%	0.963%
45	11.333	808	809	811	rVB	22100	27821	1.68%	0.112%
46	11.459	817	820	822	rBV2	96080	144459	8.71%	0.581%
47	11.528	825	826	827	rVV	33770	31523	1.90%	0.127%
48	11.562	827	829	832	rVB	66912	77967	4.70%	0.314%
49	11.642	832	836	838	rBV4	17954	36667	2.21%	0.148%
50	11.733	841	844	845	rVV	112420	134378	8.10%	0.541%
51	11.756	845	846	849	rVV	178035	155381	9.37%	0.625%
52	11.802	849	850	852	rVV	57256	61193	3.69%	0.246%
53	11.836	852	853	858	rVB	183609	282901	17.06%	1.138%
54	11.962	858	864	866	rBV5	28158	90115	5.43%	0.363%
55	12.031	867	870	871	rVV	71048	122557	7.39%	0.493%
56	12.053	871	872	874	rVB	98040	70022	4.22%	0.282%
57	12.179	880	883	884	rBV2	24204	39496	2.38%	0.159%
58	12.282	889	892	894	rBV	98843	139899	8.43%	0.563%
59	12.362	897	899	902	rVB	163371	151267	9.12%	0.609%
60	12.442	903	906	908	rBV	792185	947633	57.13%	3.813%
61	12.499	908	911	912	rVV2	25062	28755	1.73%	0.116%
62	12.533	912	914	916	rVB	75398	68142	4.11%	0.274%
63	12.579	916	918	922	rBV4	39776	96260	5.80%	0.387%
64	12.659	922	925	928	rBV	759327	952844	57.44%	3.834%
65	12.716	928	930	933	rVB3	37151	60979	3.68%	0.245%
66	12.785	934	936	937	rBV	50353	59853	3.61%	0.241%
67	12.808	937	938	941	rVB	594368	739551	44.59%	2.976%
68	12.888	941	945	946	rBV2	53522	75203	4.53%	0.303%
69	12.991	950	954	956	rVV2	78088	121206	7.31%	0.488%
70	13.059	958	960	961	rBV	53660	46551	2.81%	0.187%
71	13.094	961	963	967	rBV	79337	100439	6.06%	0.404%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

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-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.185	969	971	973	rVV	49902	50530	3.05%	0.203%
73	13.219	973	974	976	rVB	38697	31214	1.88%	0.126%
74	13.494	997	998	1001	rBV	61566	95989	5.79%	0.386%
75	13.608	1006	1008	1009	rBV	87500	101044	6.09%	0.407%
76	13.711	1015	1017	1021	rVB2	58161	112599	6.79%	0.453%
77	13.859	1027	1030	1035	rVB2	1150433	1657137	99.90%	6.668%
78	13.962	1037	1039	1040	rBV	39429	33574	2.02%	0.135%
79	14.248	1062	1064	1065	rBV	51258	49751	3.00%	0.200%
80	14.854	1115	1117	1121	rBV	286220	586745	35.37%	2.361%
81	14.957	1124	1126	1128	rBV	98392	112274	6.77%	0.452%
82	15.128	1139	1141	1144	rVB	221761	286077	17.25%	1.151%
83	15.185	1144	1146	1149	rBV	367642	392420	23.66%	1.579%
84	15.242	1149	1151	1157	rBV2	761391	1083775	65.34%	4.361%
85	16.545	1262	1265	1270	rBV2	239317	437060	26.35%	1.759%
86	16.934	1296	1299	1304	rBV	216930	432968	26.10%	1.742%

Sum of corrected areas: 24853209

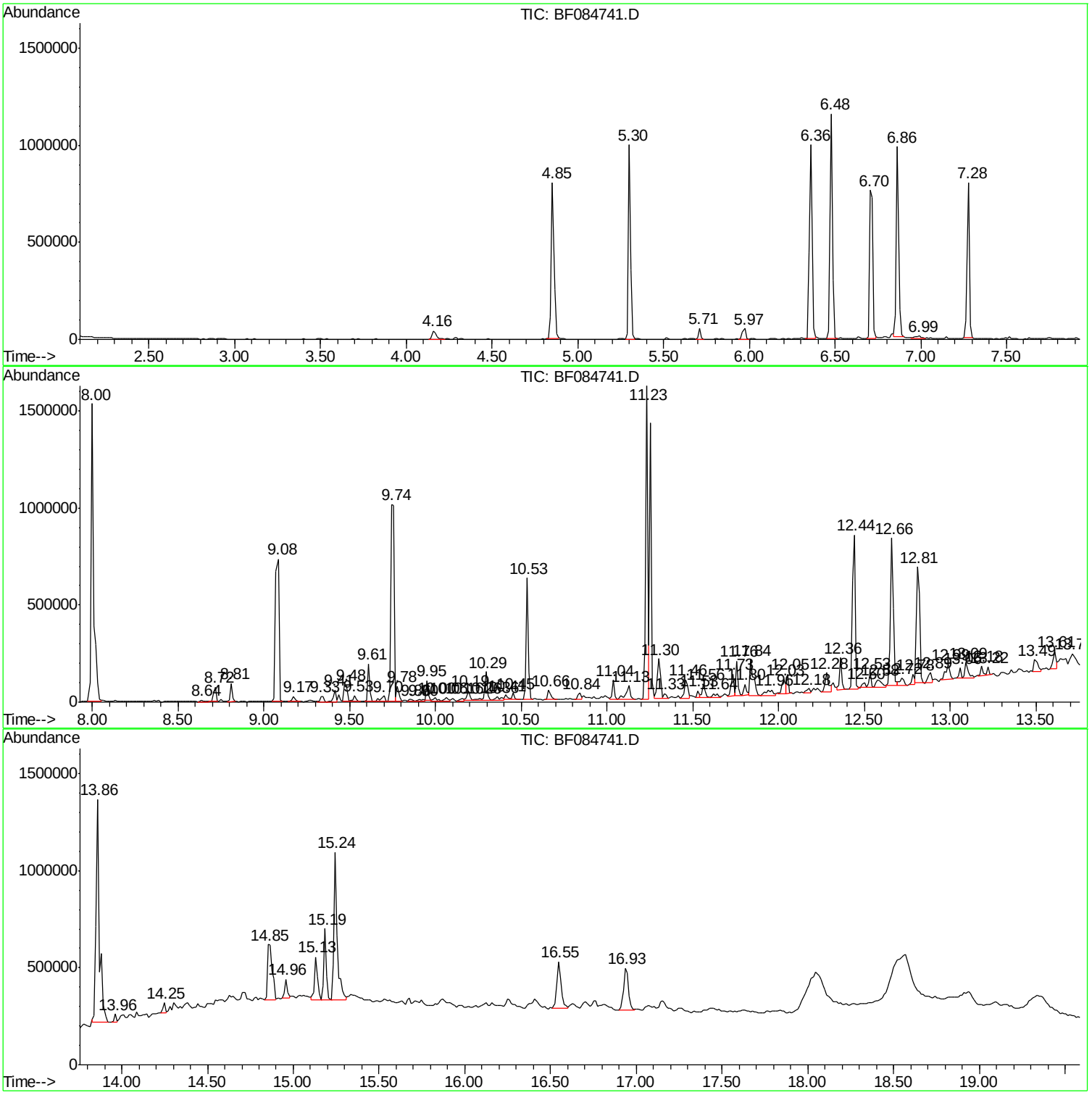
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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 F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

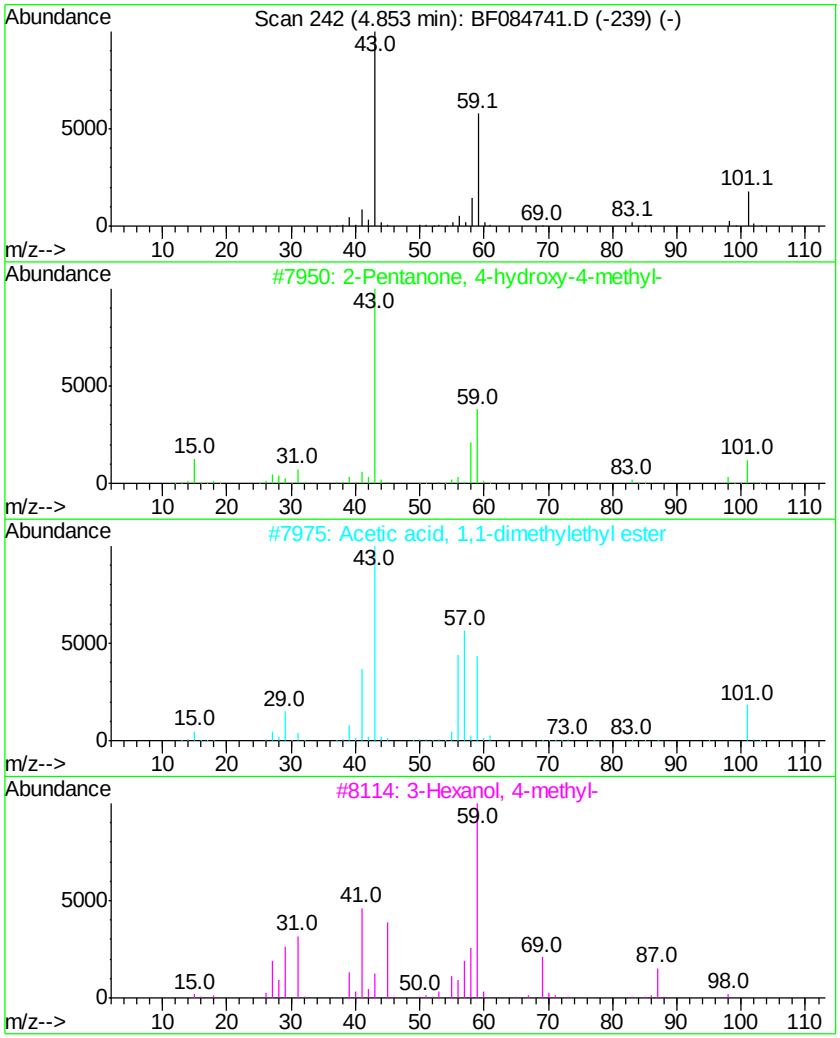
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

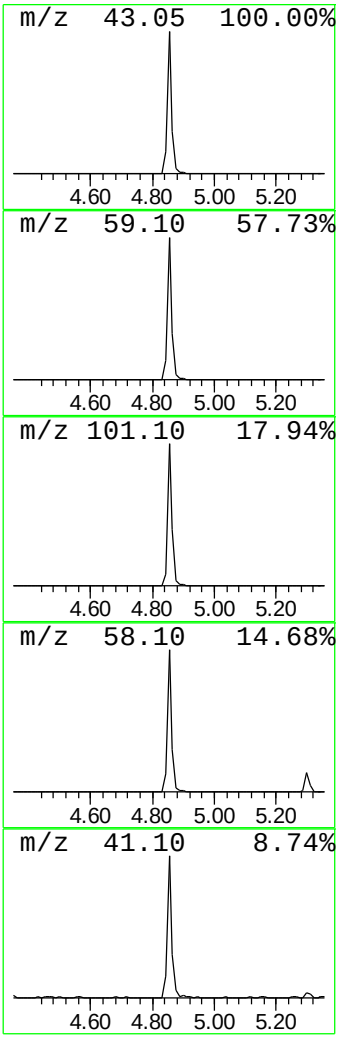
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	15.70 ng	828286	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

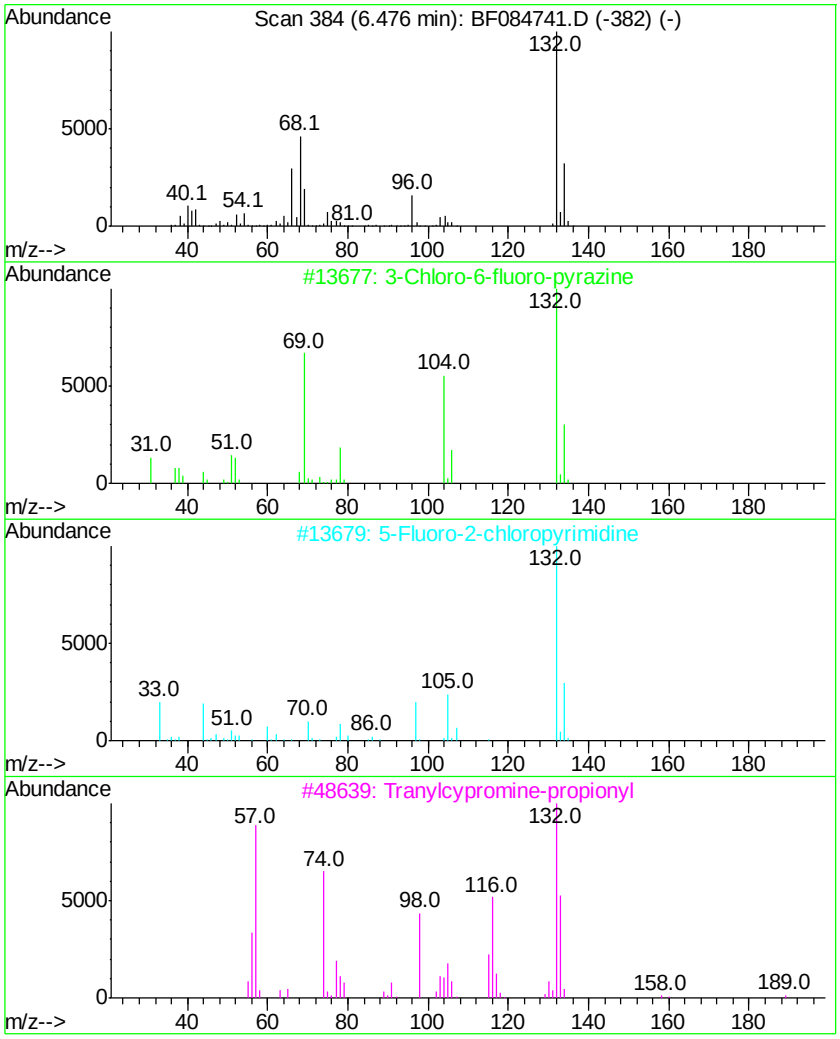
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

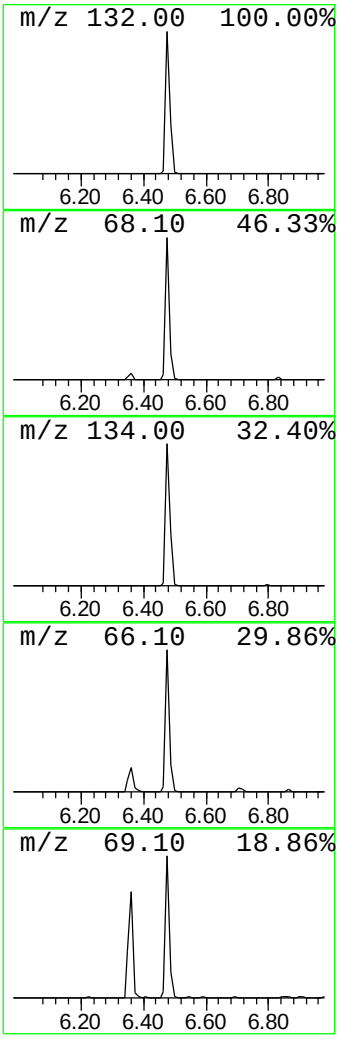
****

Peak Number 2 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	19.55 ng	1031290	1,4-Dichlorobenzene-d4	6.72

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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

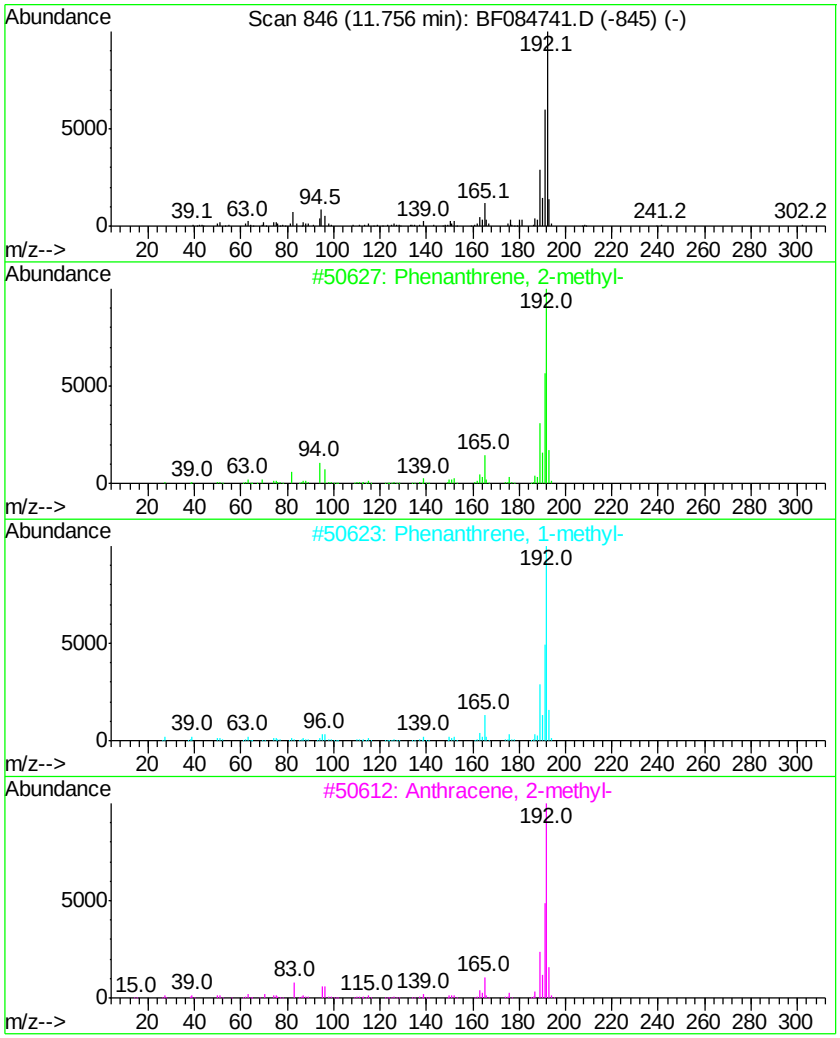
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

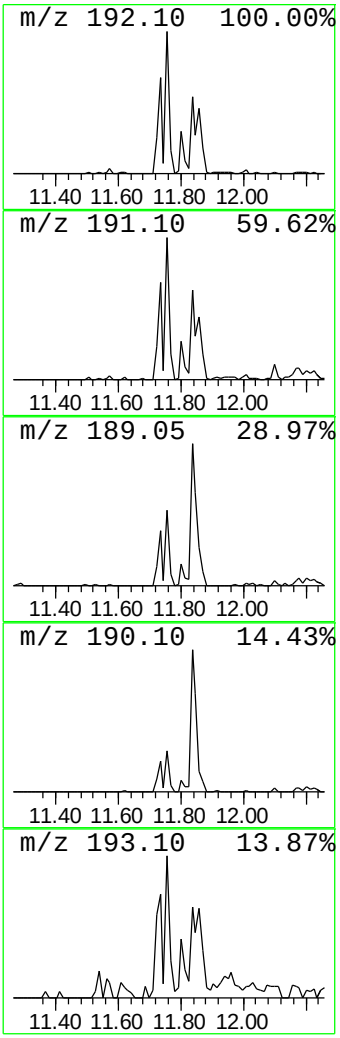
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.10 ng	155381	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

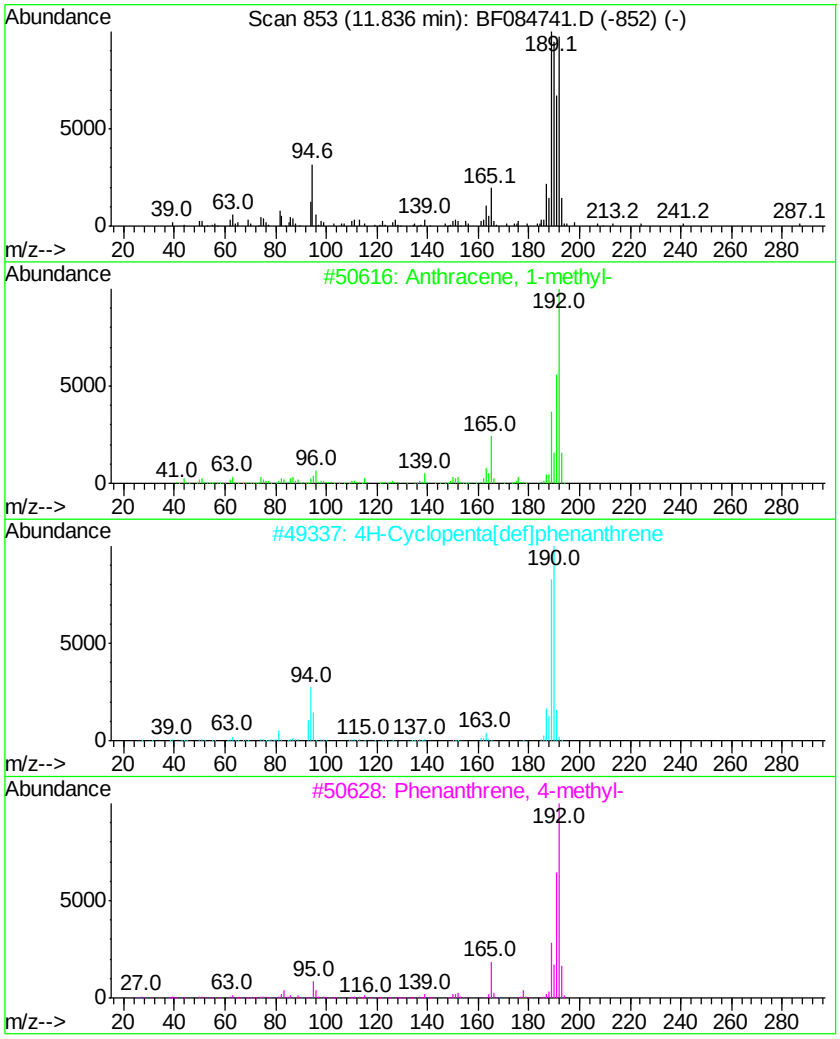
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

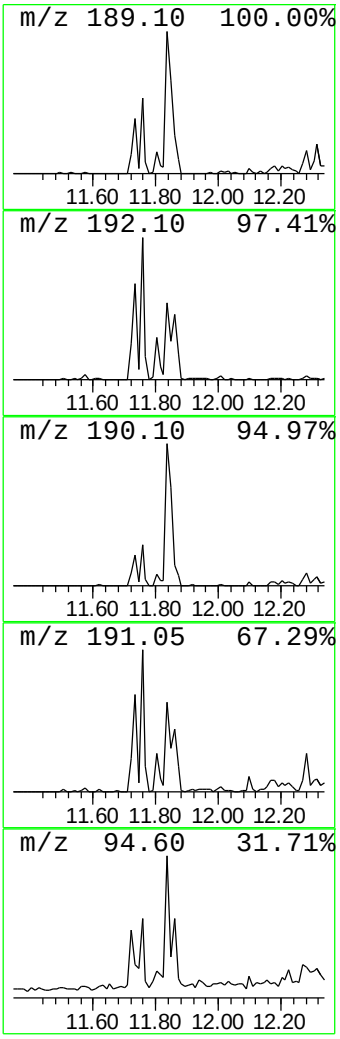
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.82 ng	282901	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

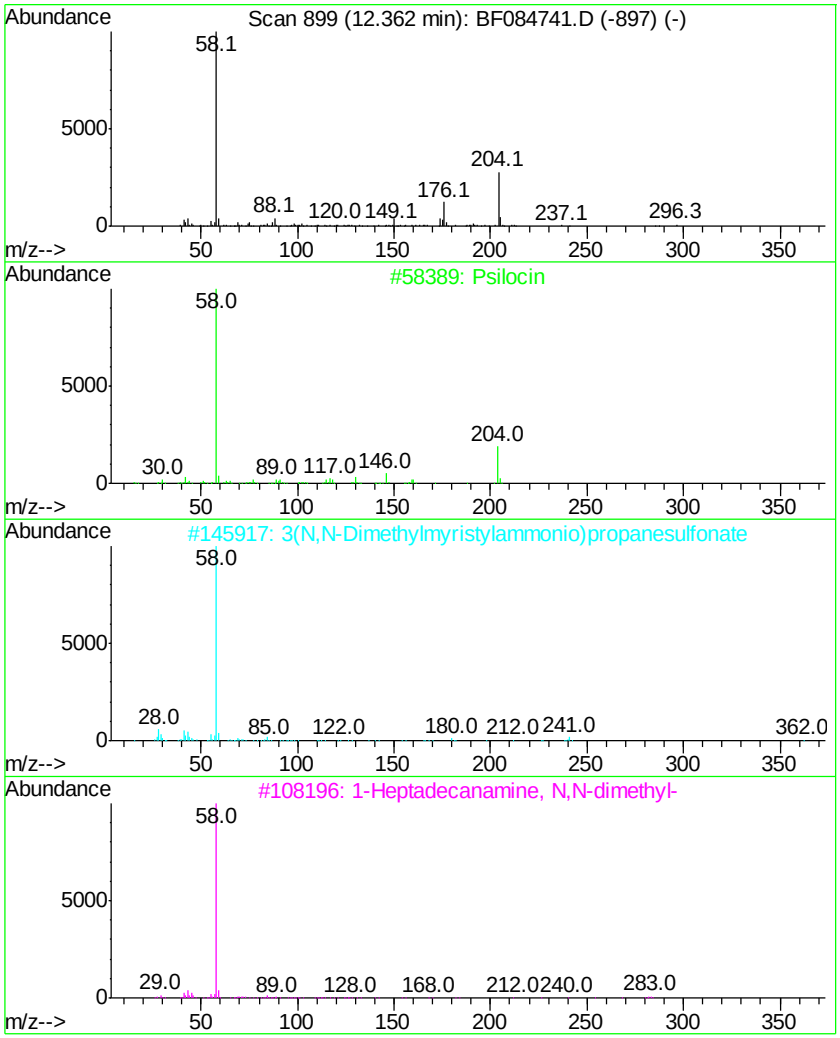
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

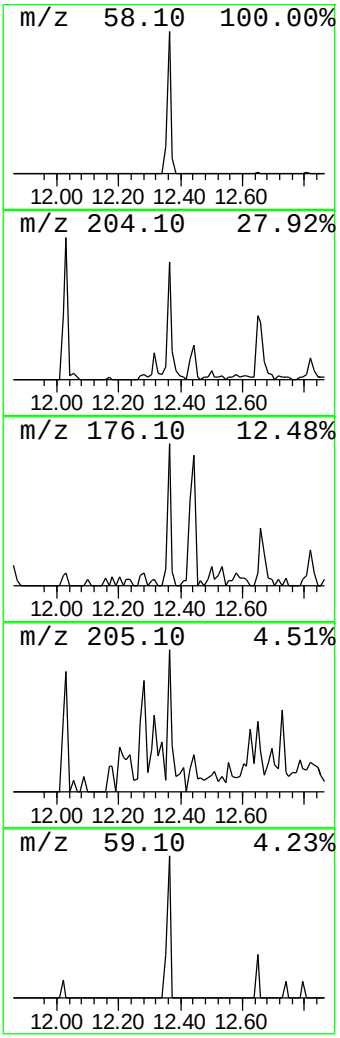
****

Peak Number 6 Psilocin Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.04 ng	151267	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Psilocin	204	C12H16N2O	000520-53-6	59
2	3(N,N-Dimethylmyristylammonio)pr...	363	C19H41NO3S	014933-09-6	47
3	1-Heptadecanamine, N,N-dimethyl-	283	C19H41N	003002-57-1	47
4	1-Hexadecanamine, N,N-dimethyl-	269	C18H39N	000112-69-6	47
5	1-Tridecanamine, N,N-dimethyl-	227	C15H33N	017373-29-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
Data File : BF084741.D
Acq On : 2 Feb 2016 6:04
Operator : SJ/IZ
Sample : H1285-22 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B038(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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...	4.85	15.7	ng	828286	1	6.72	1054900	20.0
unknown6.48	6.48	19.6	ng	1031290	1	6.72	1054900	20.0
Phenanthrene, 2-m...	11.76	2.1	ng	155381	4	11.23	1479920	20.0
Anthracene, 1-met...	11.84	3.8	ng	282901	4	11.23	1479920	20.0
Psilocin	12.36	2.0	ng	151267	4	11.23	1479920	20.0