LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

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-BF041516.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	4.487	206	210	214	rVB2	17925	32504	1.40%	0.118%
2	5.059	258	260	264	rVB	98054	114596	4.93%	0.414%
3	5.470	294	296	299	rVV	1050651	1447368	62.29%	5.232%
4	5.516	299	300	307	rVB	14339	25108	1.08%	0.091%
5	6.156	355	356	358	rBV	59469	76023	3.27%	0.275%
6	6.316	368	370	377	rBV6	8966	29154	1.25%	0.105%
7	6.510	384	387	389	rBV	1395228	1519725	65.40%	5.494%
8	6.590	392	394	397	rVB	29707	28264	1.22%	0.102%
9	6.647	397	399	402	rBV	1768787	1541703	66.35%	5.573%
10	6.887	418	420	422	rBV	2287525	1873164	80.61%	6.772%
11	7.047	431	434	436	rVB	1003280	1165167	50.14%	4.212%
12	7.219	446	449	452	rBV3	14211	25384	1.09%	0.092%
13	7.447	466	469	471	rBV	1079233	931266	40.08%	3.367%
14	7.527	475	476	479	rVB	37388	43790	1.88%	0.158%
15	7.893	504	508	512	rBV4	16365	29984	1.29%	0.108%
16	8.179	530	533	535	rBV	1923896	2323624	100.00%	8.400%
17	9.253	624	627	629	rVB	1411011	1485109	63.91%	5.369%
18	9.585	654	656	657	rBV	41156	38790	1.67%	0.140%
19	9.642	660	661	663	rVB	181888	149936	6.45%	0.542%
20	9.790	671	674	676	rBV	51296	62951	2.71%	0.228%
21	9.928	684	686	688	rVB	2471381	2105963	90.63%	7.613%
22	9.962	688	689	691	rVB	39990	28210	1.21%	0.102%
23	10.053	693	697	699	rBV4	20355	36991	1.59%	0.134%
24	10.099	699	701	702	rBV	29893	37779	1.63%	0.137%
25	10.133	702	704	705	rVV2	32786	40042	1.72%	0.145%
26	10.168	705	707	710	rVB3	20386	32359	1.39%	0.117%
27	10.339	720	722	723	rBV2	17280	29432	1.27%	0.106%
28	10.362	723	724	725	rVB	68567	49523	2.13%	0.179%
29	10.476	732	734	737	rVB	55334	71913	3.09%	0.260%
30	10.579	741	743	745	rVV	43951	52517	2.26%	0.190%
31	10.705	752	754	757	rBV2	534658	661118	28.45%	2.390%
32	10.831	764	765	770	rBV2	67503	126955	5.46%	0.459%
33	11.025	780	782	783	rBV2	19976	25832	1.11%	0.093%
34	11.288	801	805	806	rBV	58999	105309	4.53%	0.381%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

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-BF041516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.379	810	813	814	rBV2	12963	27607	1.19%	0.100%
36	11.413	814	816	817	rVV	1725198	1868222	80.40%	6.754%
37	11.482	819	822	824	rVB	112058	113097	4.87%	0.409%
38	11.642	833	836	837	rBV2	36923	63466	2.73%	0.229%
39	11.711	841	842	843	rBV	42573	32484	1.40%	0.117%
40	11.905	857	859	861	rBV	47770	97901	4.21%	0.354%
41	11.939	861	862	864	rVV	170179	139115	5.99%	0.503%
42	11.974	864	865	867	rVV	288924	263232	11.33%	0.952%
43	12.019	867	869	874	rVB2	114000	188522	8.11%	0.682%
44	12.111	874	877	881	rBV5	36965	114802	4.94%	0.415%
45	12.225	882	887	890	rVV4	50515	126349	5.44%	0.457%
46	12.454	905	907	909	rBV	46668	77384	3.33%	0.280%
47	12.499	909	911	913	rVV2	49367	80596	3.47%	0.291%
48	12.545	913	915	917	rVB3	27881	44931	1.93%	0.162%
49	12.614	919	921	923	rBV	491890	620202	26.69%	2.242%
50	12.682	923	927	928	rBV3	20823	35501	1.53%	0.128%
51	12.716	928	930	931	rBV	29970	34204	1.47%	0.124%
52	12.842	938	941	943	rBV	510527	652845	28.10%	2.360%
53	12.991	952	954	957	rVB	1225960	1066767	45.91%	3.857%
54	13.059	958	960	962	rBV2	47788	85696	3.69%	0.310%
55	13.174	968	970	972	rVB	101089	106462	4.58%	0.385%
56	13.242	974	976	977	rVV2	76319	85614	3.68%	0.310%
57	13.276	977	979	983	rBV2	75354	129474	5.57%	0.468%
58	13.574	1003	1005	1006	rBV2	57210	57995	2.50%	0.210%
59	13.894	1031	1033	1037	rBV4	125890	200294	8.62%	0.724%
60	14.042	1043	1046	1051	rBV2	1541355	1952321	84.02%	7.058%
61	14.522	1086	1088	1090	rBV	164710	203752	8.77%	0.737%
62	15.071	1133	1136	1140	rVV	189588	408834	17.59%	1.478%
63	15.151	1141	1143	1148	rVB2	240473	354699	15.26%	1.282%
64	15.357	1159	1161	1164	rVB	156269	190952	8.22%	0.690%
65	15.414	1164	1166	1169	rBV	135246	217658	9.37%	0.787%
66	15.482	1169	1172	1174	rBV	786491	941030	40.50%	3.402%
67	15.951	1211	1213	1215	rBV	216634	327037	14.07%	1.182%
68	15.997	1215	1217	1222	rVB2	217135	404804	17.42%	1.463%

Sum of corrected areas: 27661402

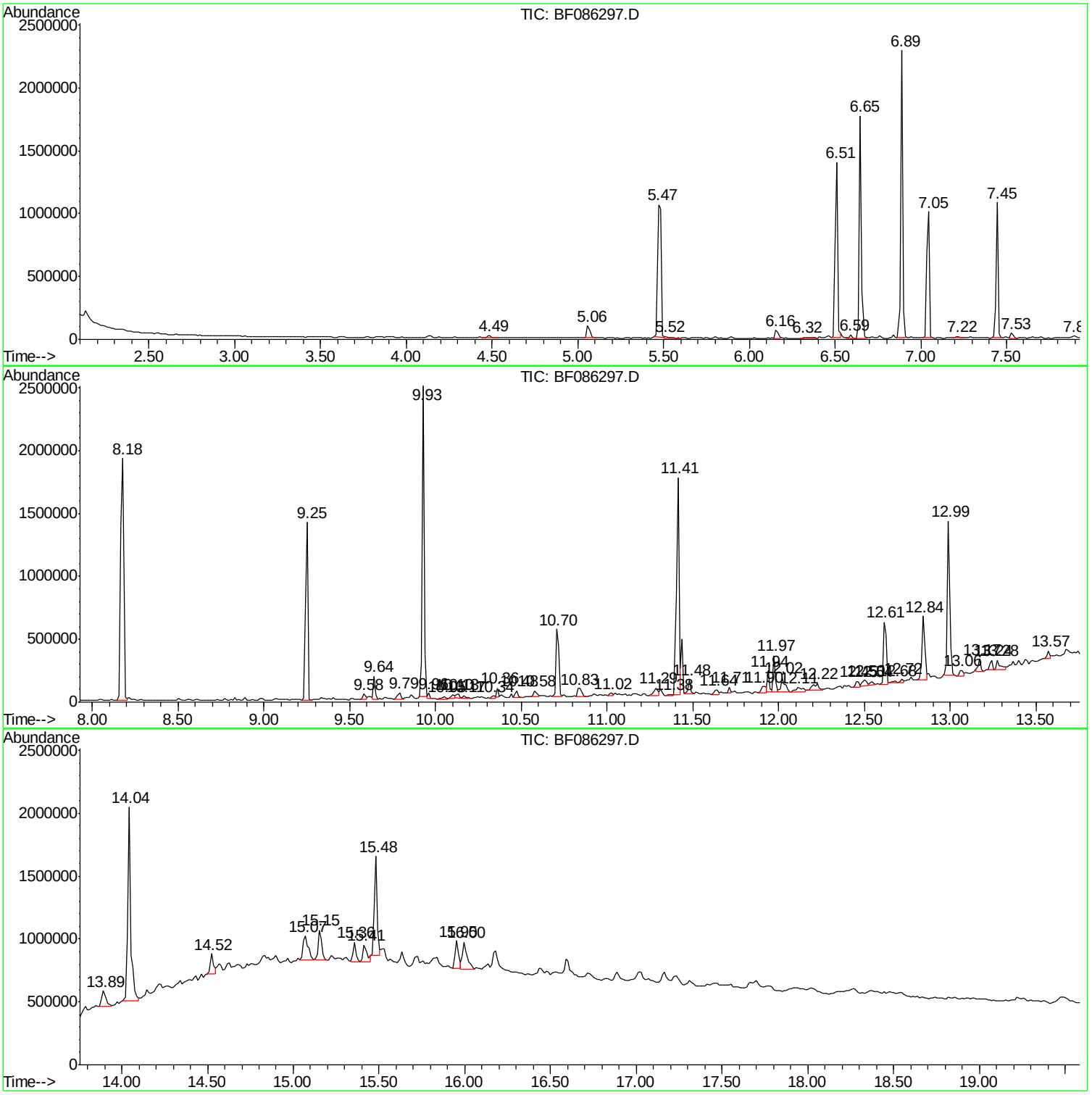
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

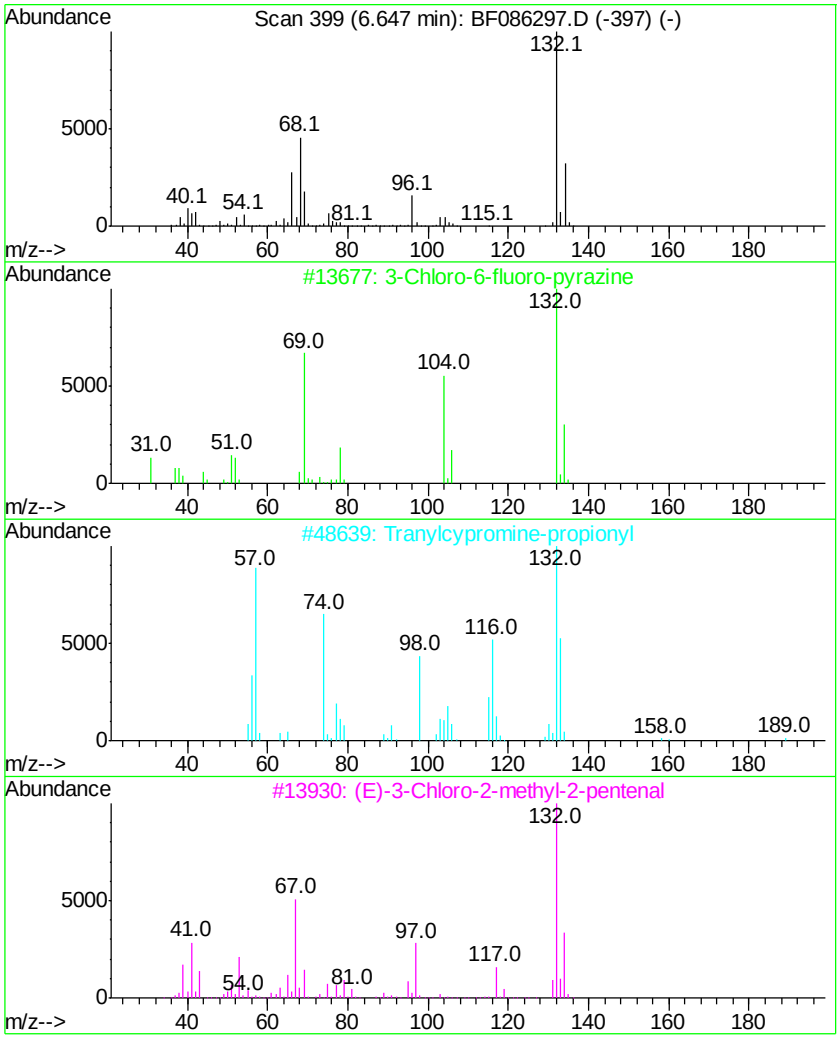
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

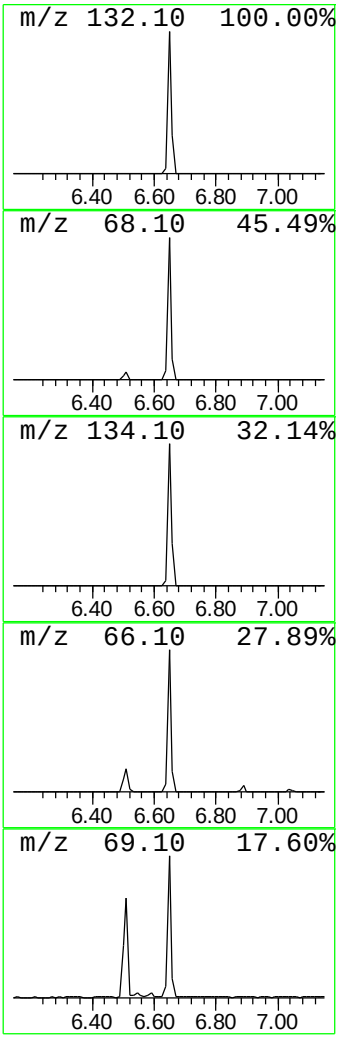
****

Peak Number 1 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	16.46 ng	1541700	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

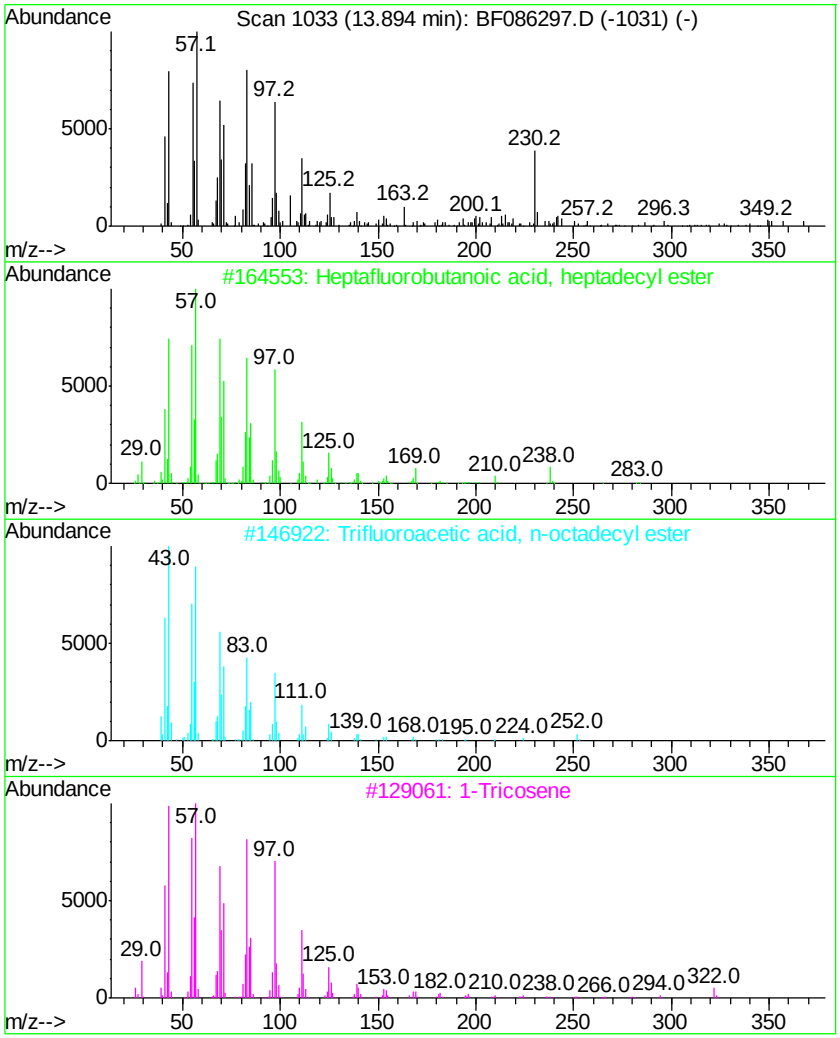
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

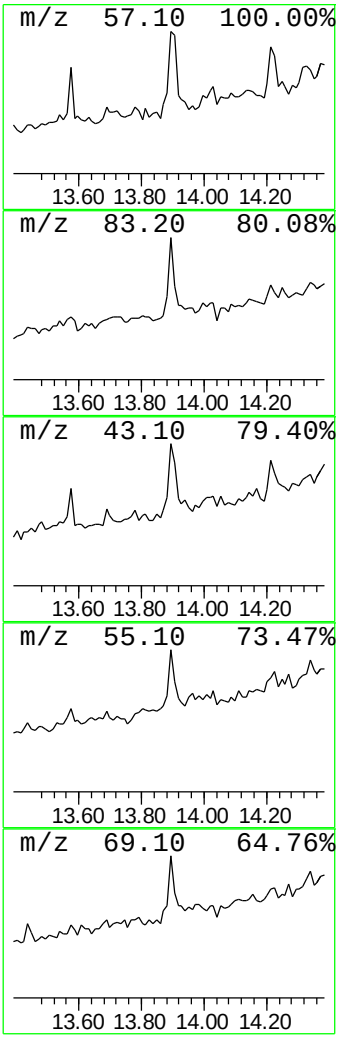
****

Peak Number 3 Heptafluorobutanoic acid, h... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.05 ng	200294	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	90
2	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	81
3	1-Tricosene	322	C23H46	018835-32-0	81
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	74
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

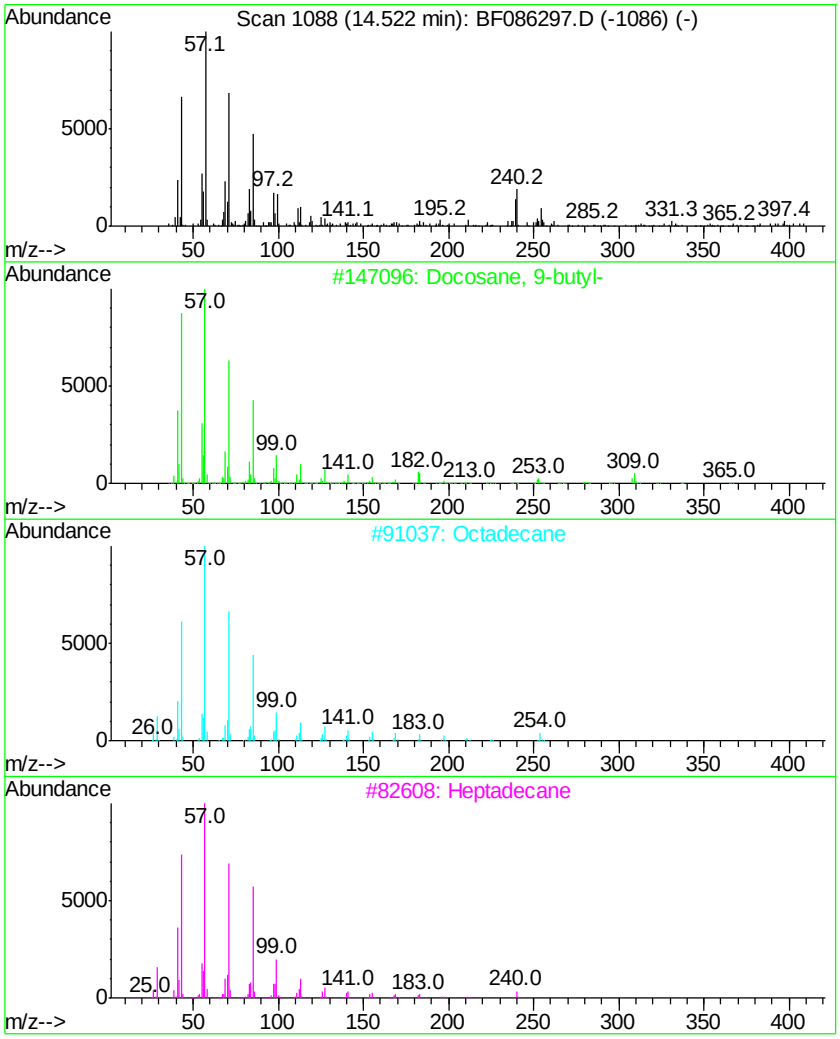
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

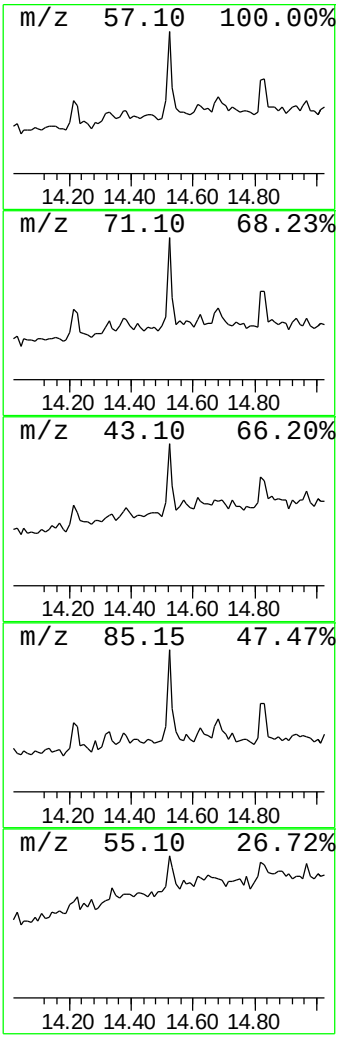
****

Peak Number 4 Docosane, 9-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	2.09 ng	203752	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 9-butyl-	366	C26H54	055282-14-9	83
2	Octadecane	254	C18H38	000593-45-3	70
3	Heptadecane	240	C17H36	000629-78-7	70
4	Docosane, 5-butyl-	366	C26H54	055282-16-1	60
5	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

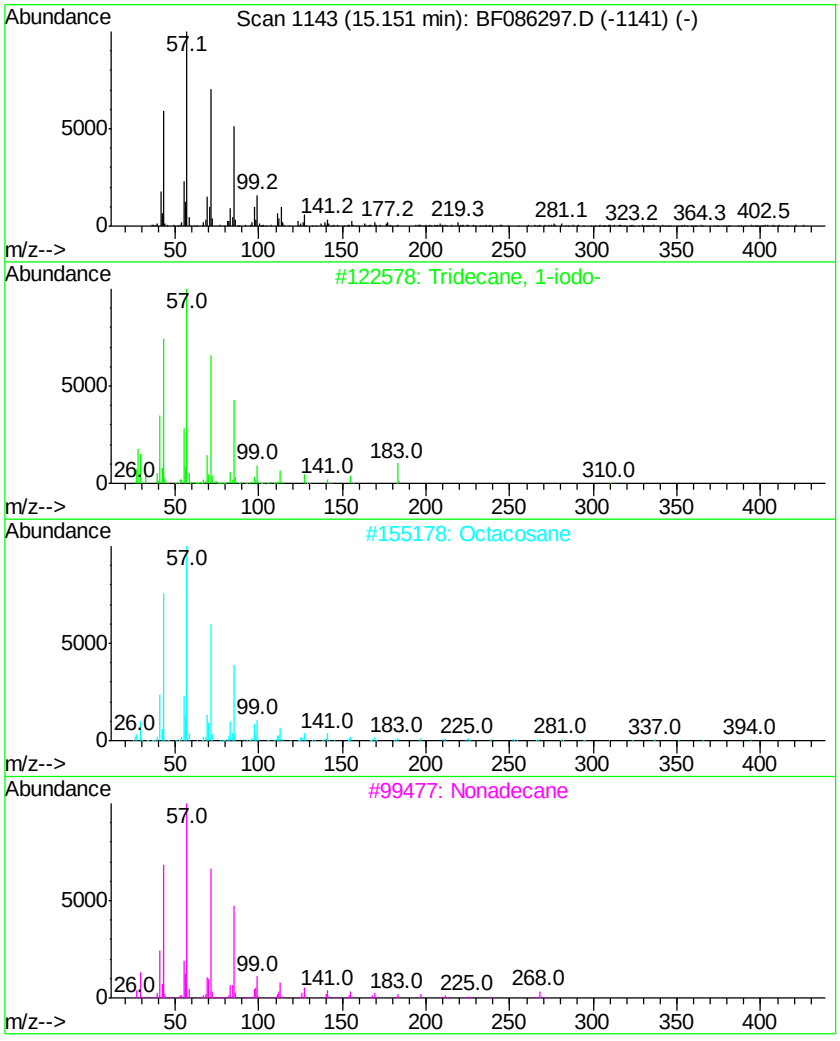
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

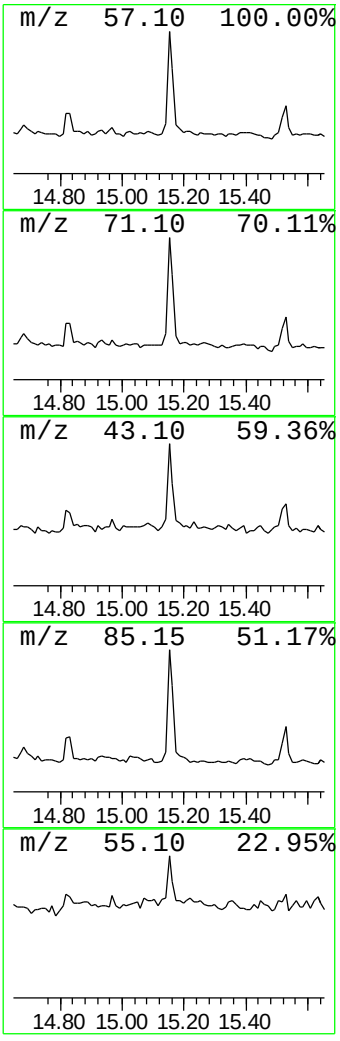
****

Peak Number 5 Tridecane, 1-iodo- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	7.54 ng	354699	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
2	Octacosane	394	C28H58	000630-02-4	93
3	Nonadecane	268	C19H40	000629-92-5	87
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	87
5	Pentacosane	352	C25H52	000629-99-2	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

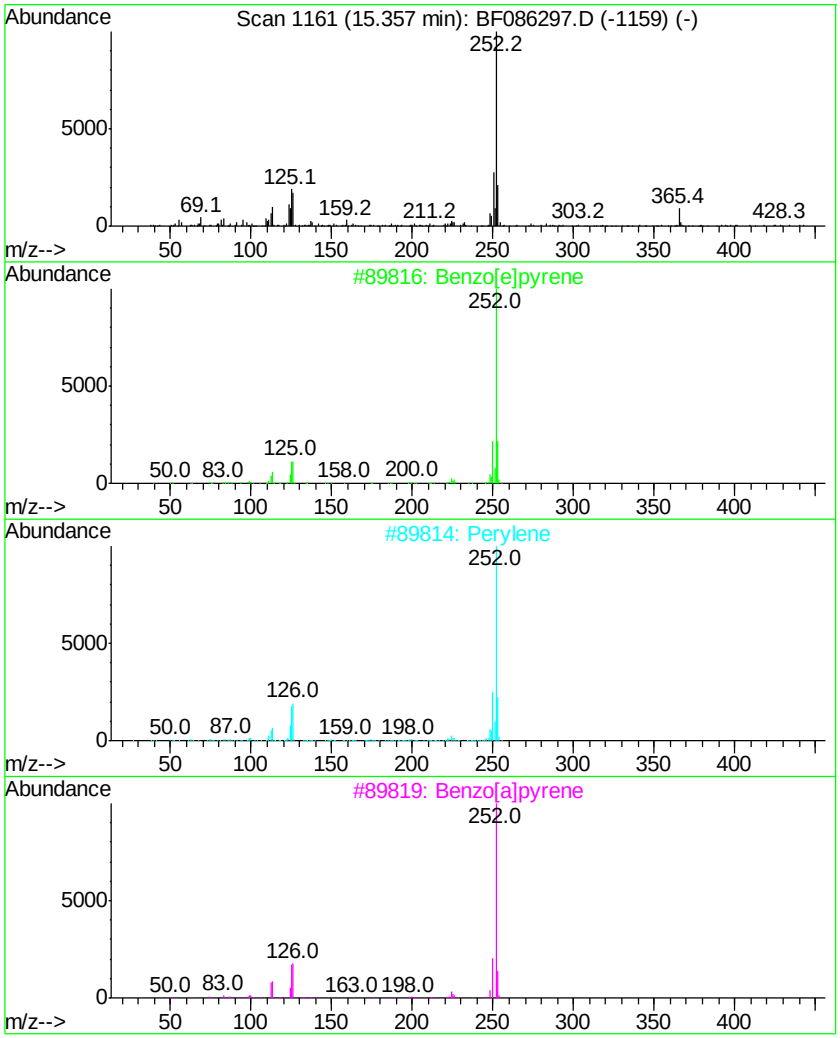
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

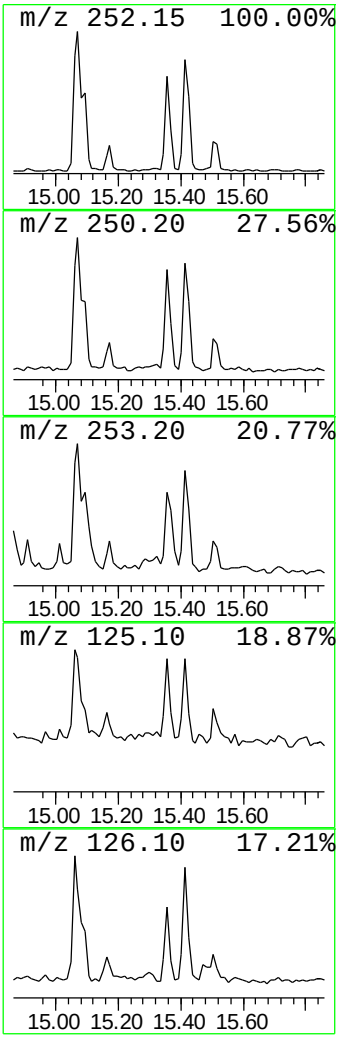
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	4.06 ng	190952	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

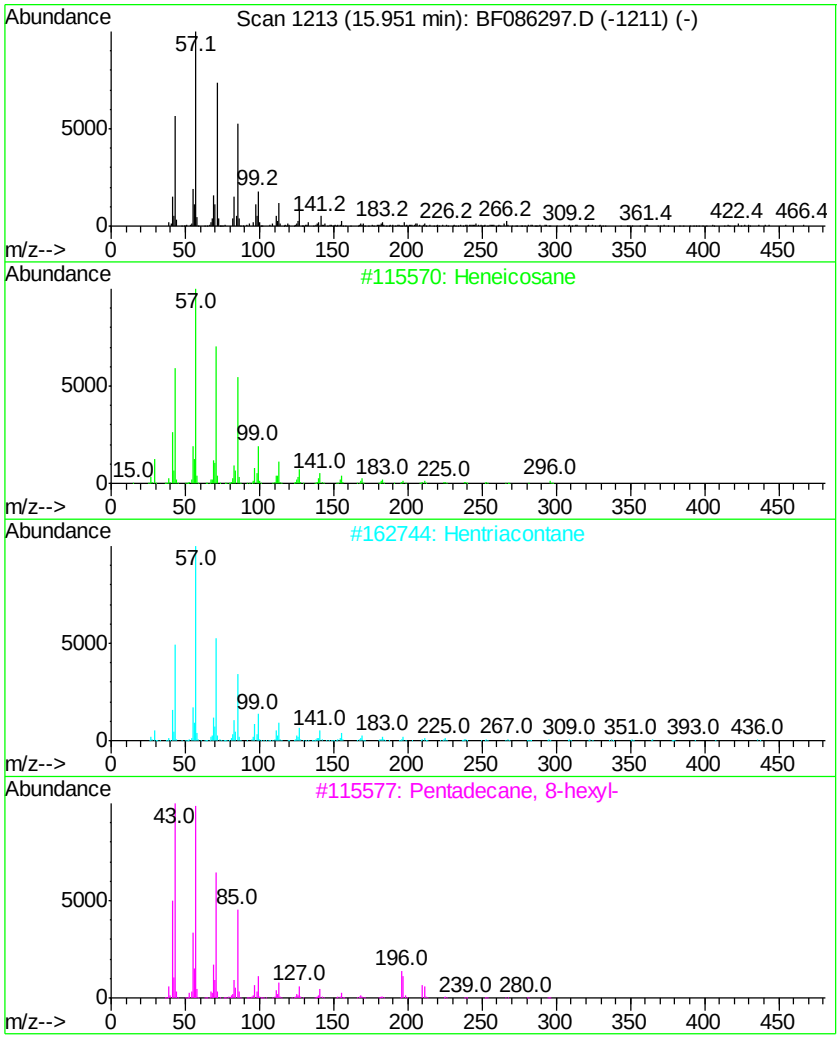
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

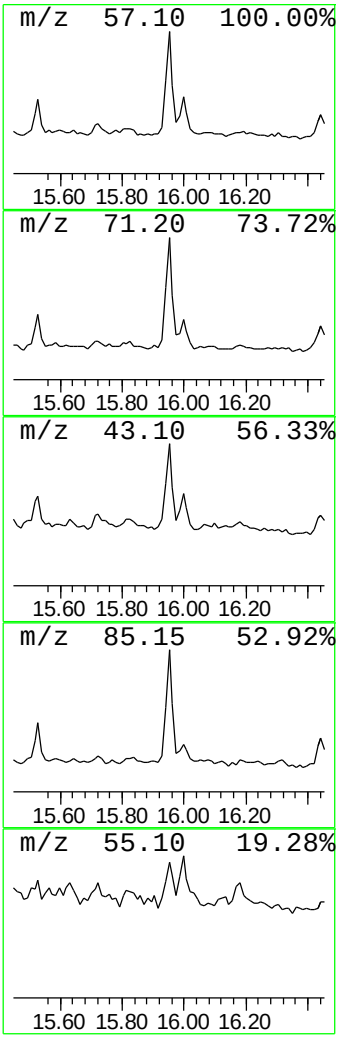
****

Peak Number 7 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	6.95 ng	327037	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Hentriacontane	437	C31H64	000630-04-6	93
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Pentacosane	352	C25H52	000629-99-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

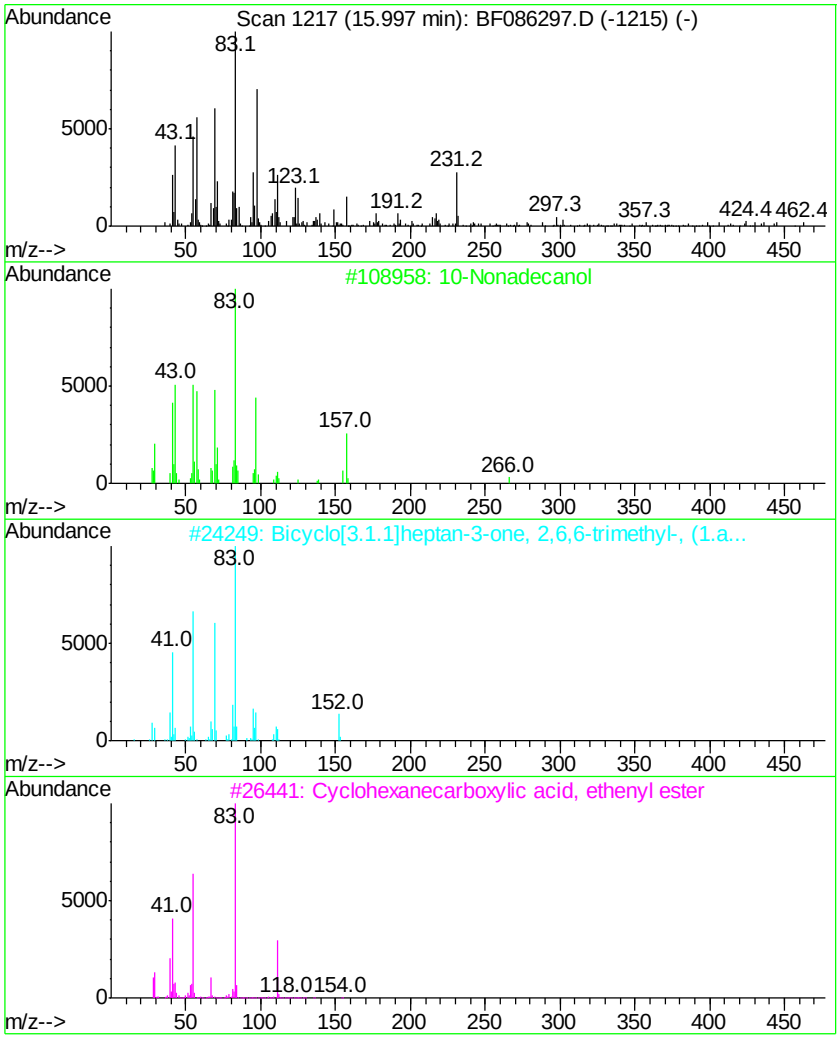
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

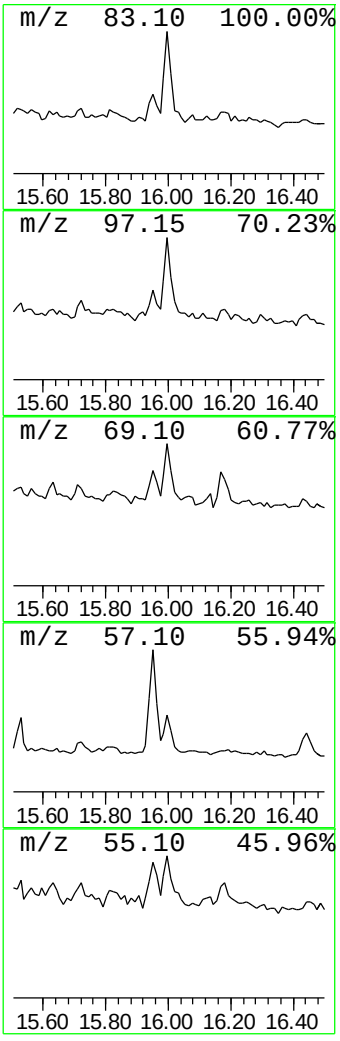
****

Peak Number 8 10-Nonadecanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	8.60 ng	404804	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Nonadecanol	284	C19H40O	016840-84-9	47
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	38
3	Cyclohexanecarboxylic acid, ethe...	154	C9H14O2	004840-76-0	35
4	1,2,4-Triazole, 5-cyclohexanecar...	194	C9H14N4O	021051-17-2	35
5	3-Amino-2-cyclohexenone	111	C6H9NO	005220-49-5	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
Data File : BF086297.D
Acq On : 18 Apr 2016 22:29
Operator : UM/SJ
Sample : H2413-14 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 305-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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
unknown6.65	6.65	16.5	ng	1541700	1	6.89	1873160	20.0
Heptafluorobutano...	13.89	2.0	ng	200294	5	14.04	1952320	20.0
Docosane, 9-butyl-	14.52	2.1	ng	203752	5	14.04	1952320	20.0
Tridecane, 1-iodo-	15.15	7.5	ng	354699	6	15.48	941030	20.0
Benzo[e]pyrene	15.36	4.1	ng	190952	6	15.48	941030	20.0
Heneicosane	15.95	7.0	ng	327037	6	15.48	941030	20.0
10-Nonadecanol	16.00	8.6	ng	404804	6	15.48	941030	20.0