LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086277.D
Acq On : 18 Apr 2016 12:58
Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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	2.190	7	9	25	rVB	288958	498905	6.49%	0.635%
2	5.093	260	263	269	rBV	326390	466652	6.07%	0.594%
3	5.493	294	298	300	rBV	5935708	7335195	95.48%	9.337%
4	6.521	384	388	390	rVB	4801070	7682700	100.00%	9.779%
5	6.659	396	400	402	rBV	5419862	7365705	95.87%	9.376%
6	6.887	417	420	422	rBV	2475940	2221585	28.92%	2.828%
7	7.047	431	434	436	rBV	4655008	5439676	70.80%	6.924%
8	7.447	466	469	472	rBV	4070560	4591346	59.76%	5.844%
9	7.539	474	477	479	rVV	180698	231175	3.01%	0.294%
10	7.893	506	508	512	rVB	68026	77247	1.01%	0.098%
11	8.167	530	532	535	rBV	2483693	2889894	37.62%	3.679%
12	9.253	623	627	629	rBV	6226800	7203531	93.76%	9.169%
13	9.642	659	661	663	rBV	1551160	1354348	17.63%	1.724%
14	9.859	678	680	683	rBV	219833	210927	2.75%	0.268%
15	9.928	683	686	688	rVB	3313714	3249015	42.29%	4.136%
16	10.339	720	722	723	rBV	75190	110613	1.44%	0.141%
17	10.362	723	724	726	rVB	471713	348562	4.54%	0.444%
18	10.579	740	743	746	rBV	129678	240885	3.14%	0.307%
19	10.716	752	755	757	rBV	3608226	4571332	59.50%	5.819%
20	10.830	764	765	770	rVB	388746	504328	6.56%	0.642%
21	11.025	780	782	784	rBV	56121	97331	1.27%	0.124%
22	11.288	803	805	806	rBV	150427	216215	2.81%	0.275%
23	11.413	813	816	818	rBV	2780458	3474335	45.22%	4.423%
24	11.482	819	822	824	rVB2	80048	136390	1.78%	0.174%
25	11.711	839	842	843	rBV	114756	97353	1.27%	0.124%
26	11.939	860	862	864	rBV	261437	240263	3.13%	0.306%
27	12.019	867	869	874	rVB2	79261	128981	1.68%	0.164%
28	12.614	919	921	923	rBV	580350	540910	7.04%	0.689%
29	12.819	936	939	940	rBV	232474	399402	5.20%	0.508%
30	12.842	940	941	943	rVV	556628	472841	6.15%	0.602%
31	12.876	943	944	948	rVB2	87105	114338	1.49%	0.146%
32	13.002	952	955	956	rVV	5235171	6529796	84.99%	8.312%
33	13.025	956	957	958	rVV	262169	188900	2.46%	0.240%
34	13.231	974	975	977	rVB2	119182	107351	1.40%	0.137%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086277.D
Acq On : 18 Apr 2016 12:58
Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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	13.539	999	1002	1004	rBV	179767	211191	2.75%	0.269%
36	13.574	1004	1005	1006	rVB	139352	97249	1.27%	0.124%
37	13.894	1031	1033	1036	rBV2	546460	630387	8.21%	0.802%
38	14.042	1043	1046	1048	rBV	2908557	3144124	40.92%	4.002%
39	14.214	1059	1061	1063	rBV2	145026	156278	2.03%	0.199%
40	14.522	1086	1088	1094	rBV	180891	237016	3.09%	0.302%
41	14.659	1095	1100	1111	rVV3	197509	810281	10.55%	1.031%
42	14.819	1113	1114	1118	rVB	95875	119408	1.55%	0.152%
43	14.899	1118	1121	1123	rBV	77529	106540	1.39%	0.136%
44	15.059	1132	1135	1141	rBV	138349	325473	4.24%	0.414%
45	15.151	1141	1143	1148	rVB2	123247	186184	2.42%	0.237%
46	15.357	1158	1161	1163	rVB	55501	86337	1.12%	0.110%
47	15.414	1163	1166	1168	rVB	99596	142400	1.85%	0.181%
48	15.471	1168	1171	1174	rBV	1442697	2295823	29.88%	2.922%
49	15.517	1174	1175	1179	rVB	85142	110231	1.43%	0.140%
50	15.940	1210	1212	1215	rBV	84511	160009	2.08%	0.204%
51	16.431	1253	1255	1261	rVB	52076	106241	1.38%	0.135%
52	16.877	1291	1294	1298	rVB2	33154	77449	1.01%	0.099%
53	17.014	1303	1306	1311	rBV2	40244	123180	1.60%	0.157%
54	17.688	1363	1365	1371	rVB3	41080	96342	1.25%	0.123%

Sum of corrected areas: 78560170

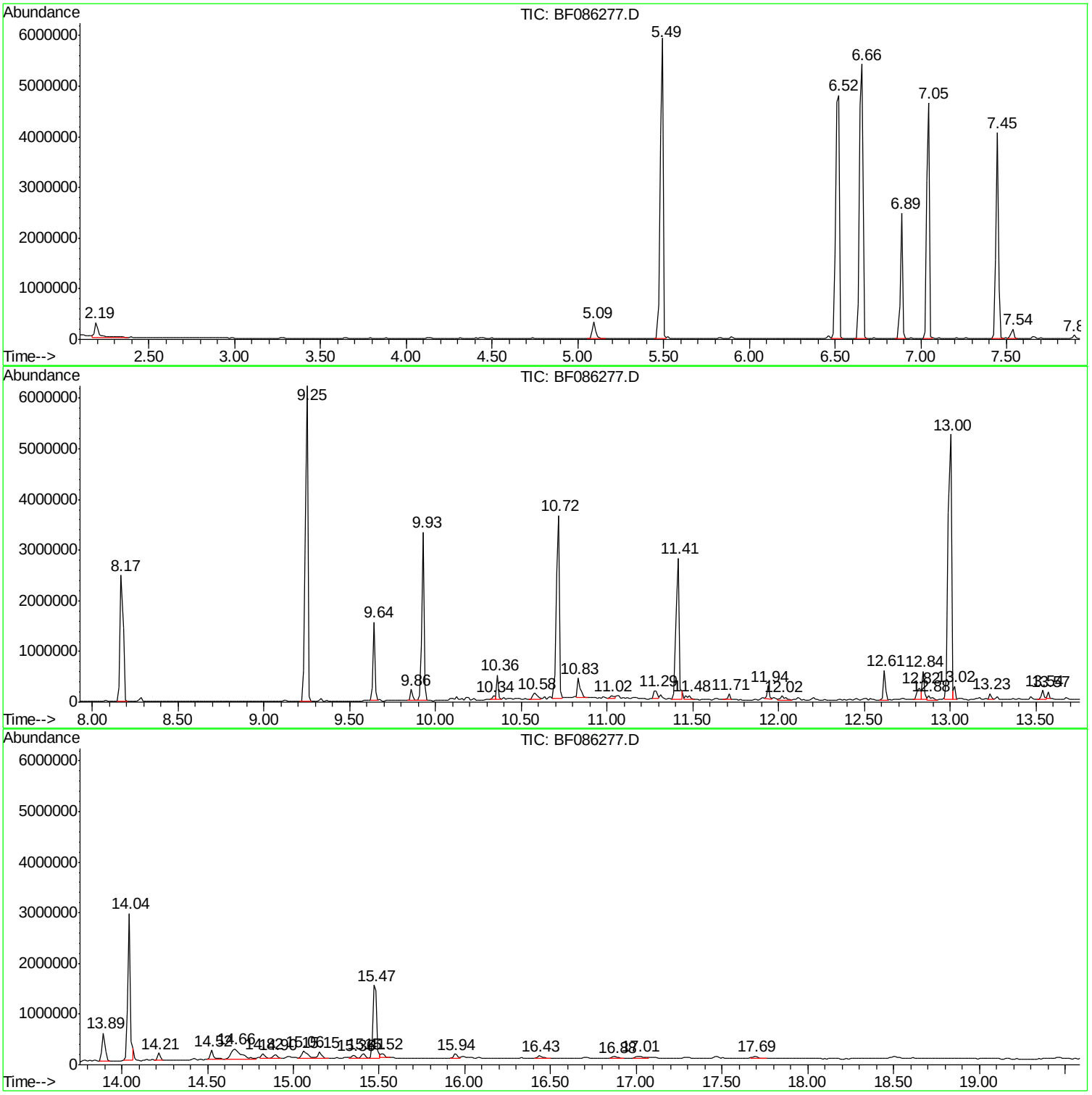
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086277.D
Acq On : 18 Apr 2016 12:58
Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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 : BF086277.D
Acq On : 18 Apr 2016 12:58
Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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

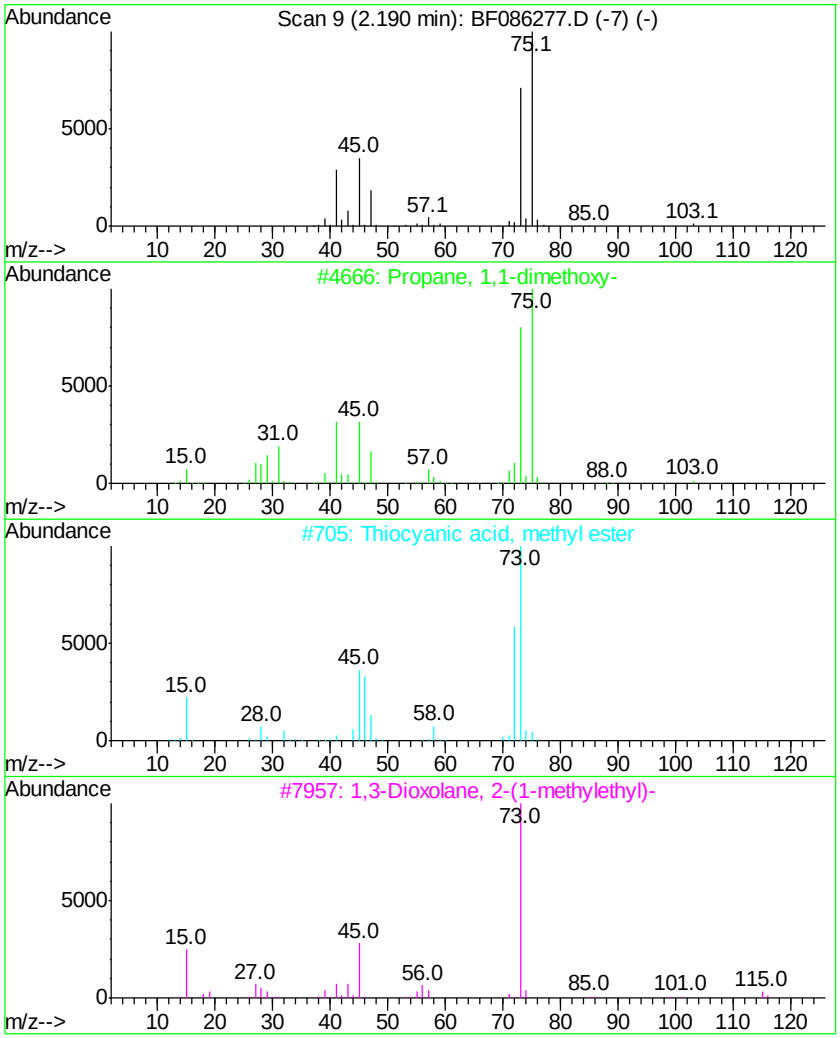
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

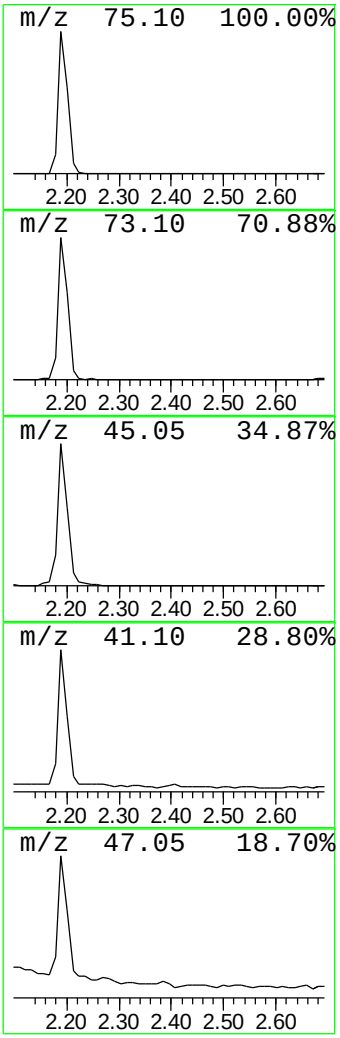
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	4.49 ng	498905	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	74
2	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	10
3	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	9
4	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	9
5	Ethane, 1,1,2-trimethoxy-	120	C5H12O3	024332-20-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086277.D
Acq On : 18 Apr 2016 12:58
Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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

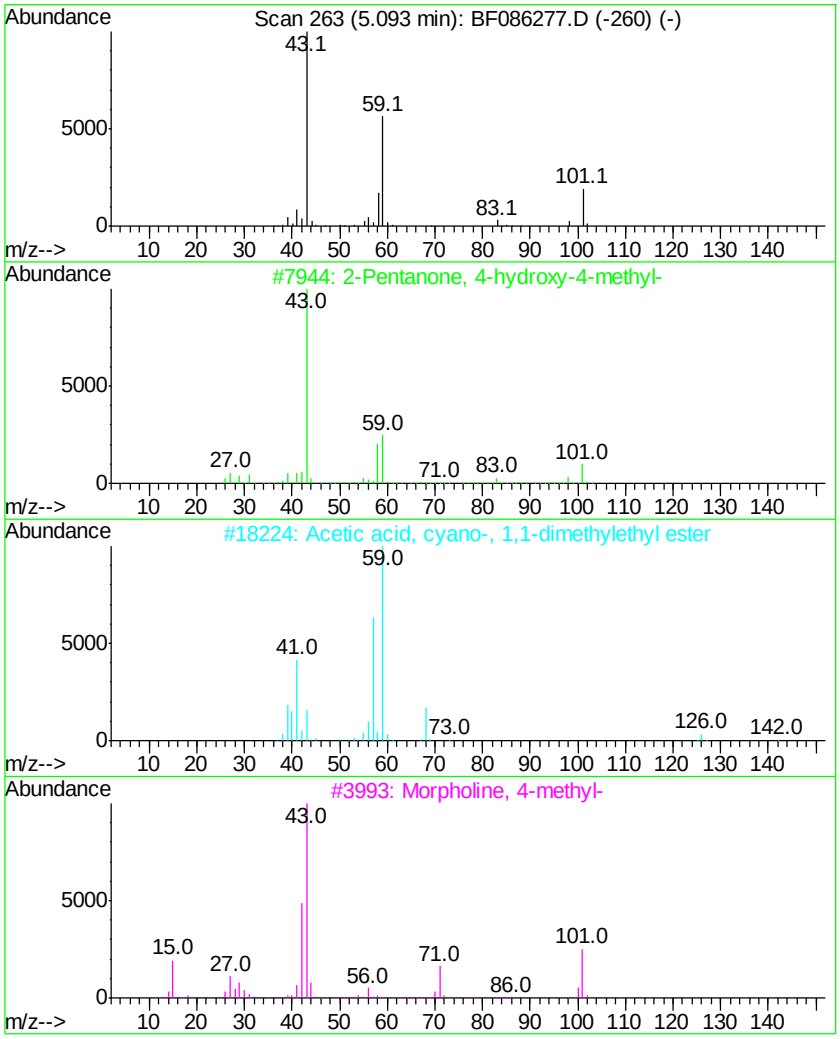
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

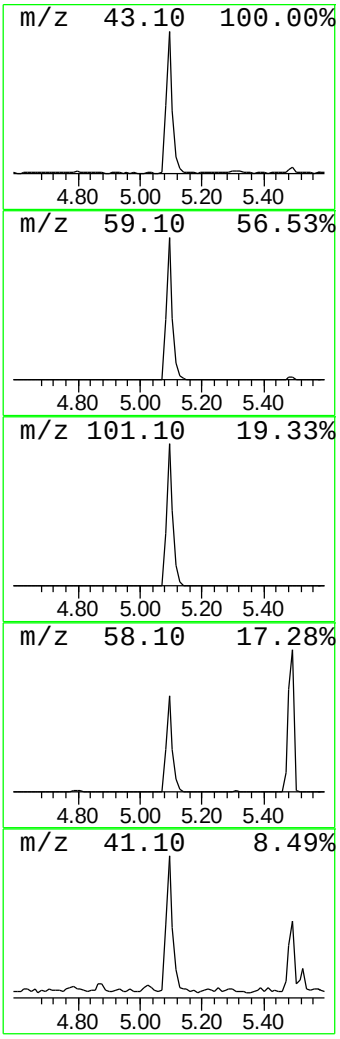
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	4.20 ng	466652	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Acetone	58	C3H6O	000067-64-1	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086277.D
Acq On : 18 Apr 2016 12:58
Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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

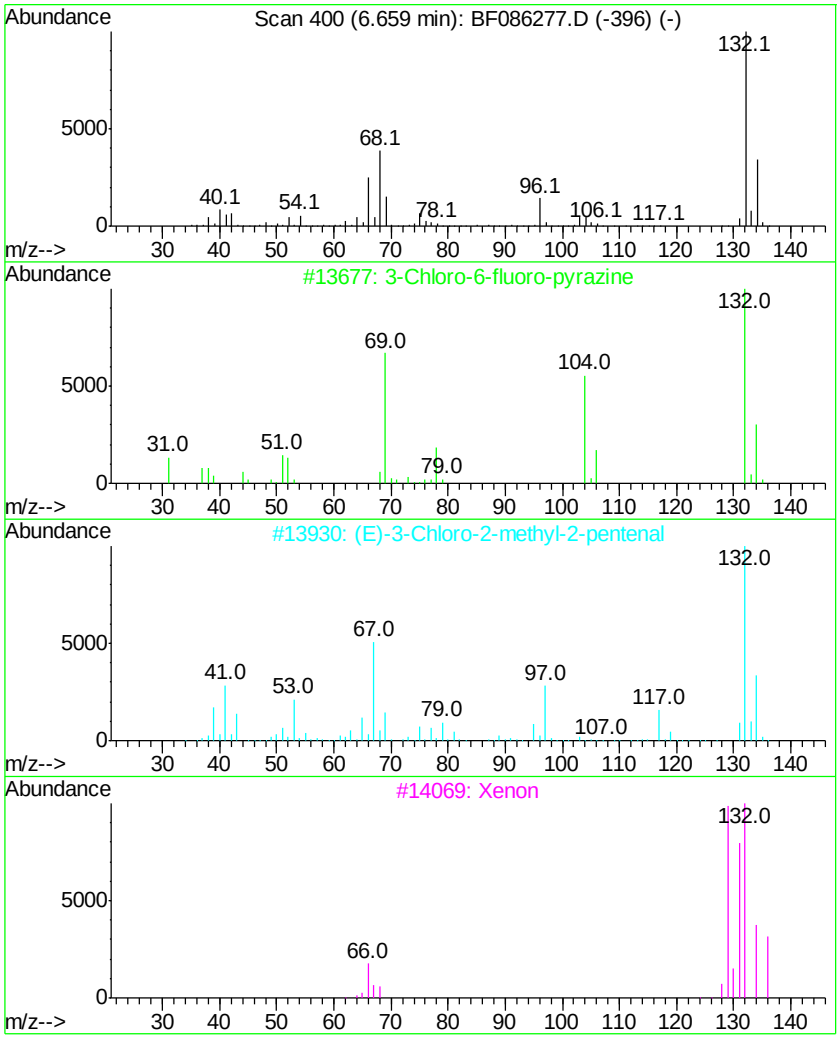
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

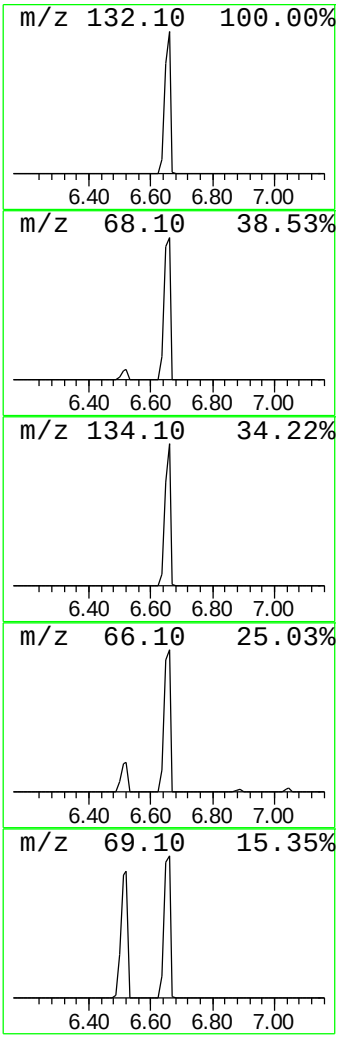
****

Peak Number 3 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	66.31 ng	7365710	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	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Xenon	132	Xe	007440-63-3	9
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





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Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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

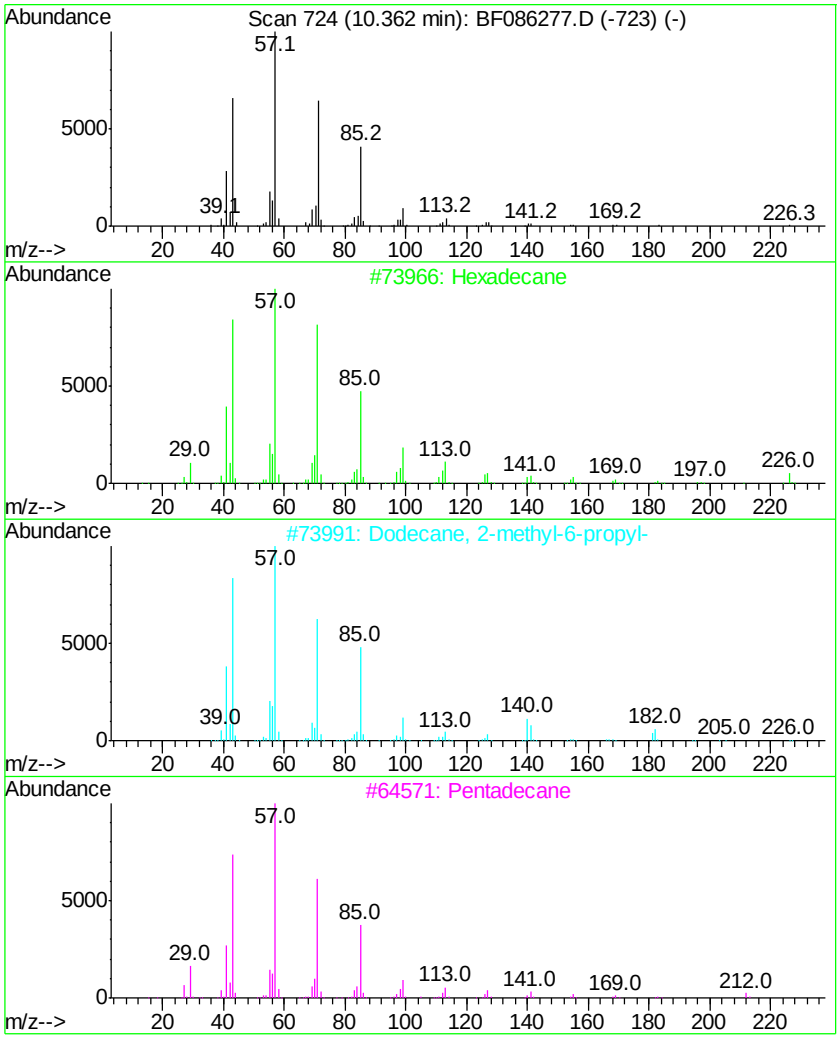
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

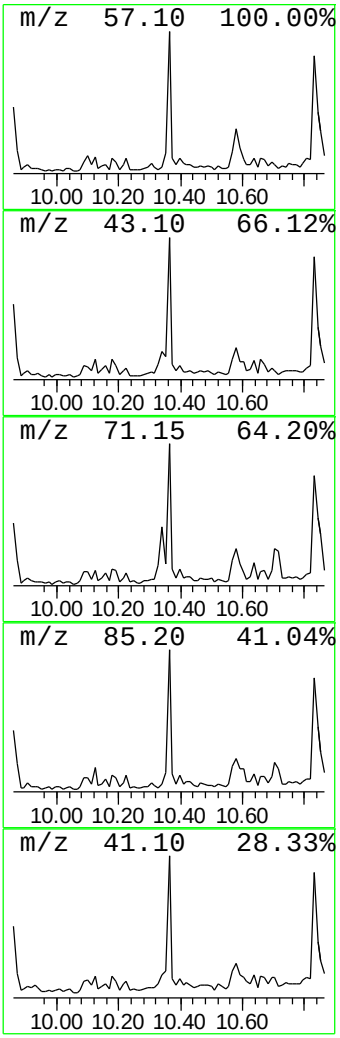
****

Peak Number 5 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	2.15 ng	348562	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Pentadecane	212	C15H32	000629-62-9	83
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	64





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Sample : H2471-10
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Instrument : BNA_F
ClientSampleId : CDMSH8

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

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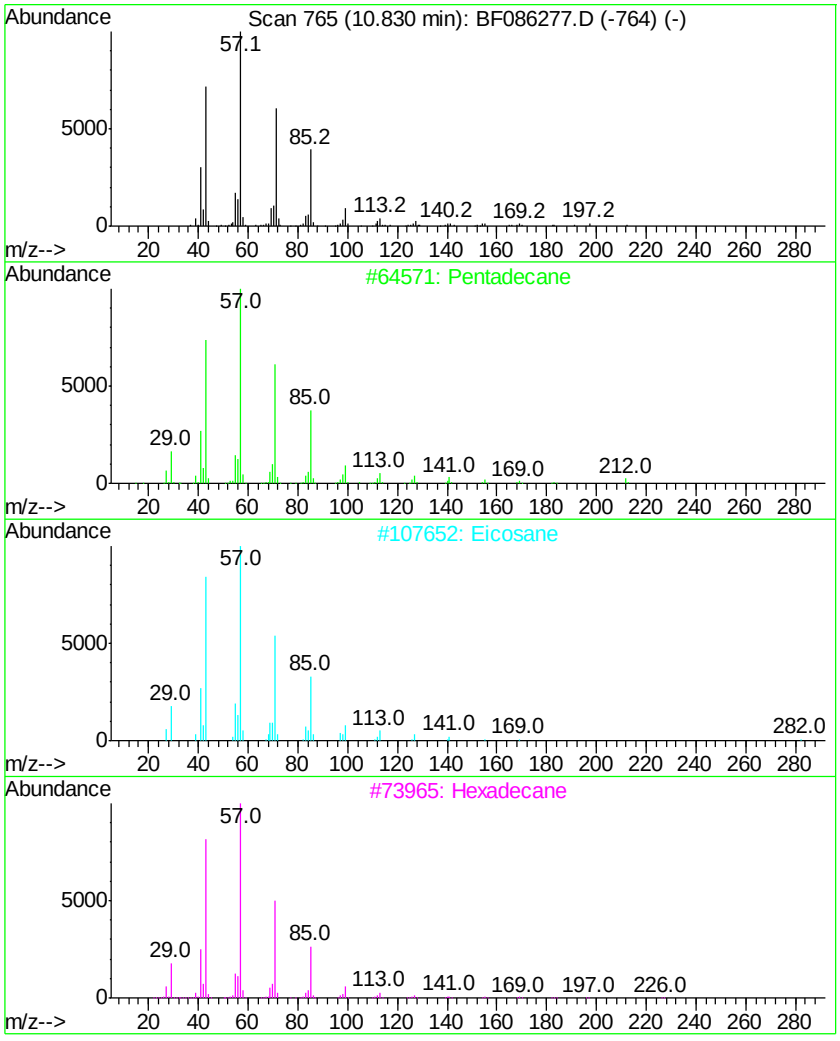
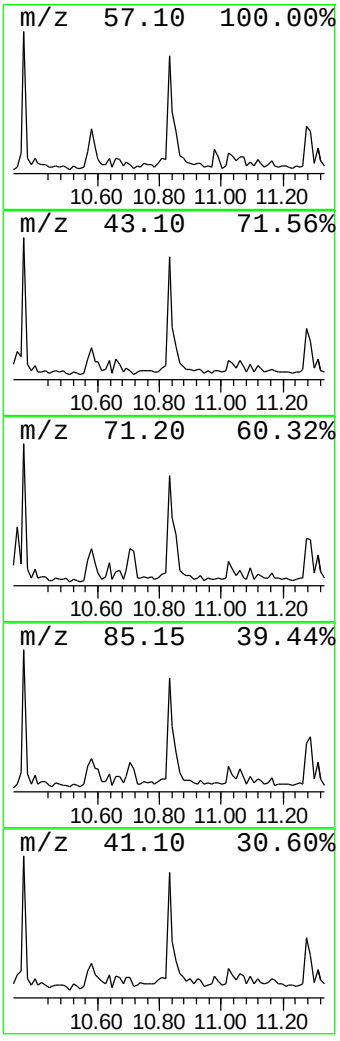
Peak Number 6 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	2.90 ng	504328	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Eicosane	282	C20H42	000112-95-8	80
3	Hexadecane	226	C16H34	000544-76-3	80
4	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	72
5	Tridecane	184	C13H28	000629-50-5	72





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Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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

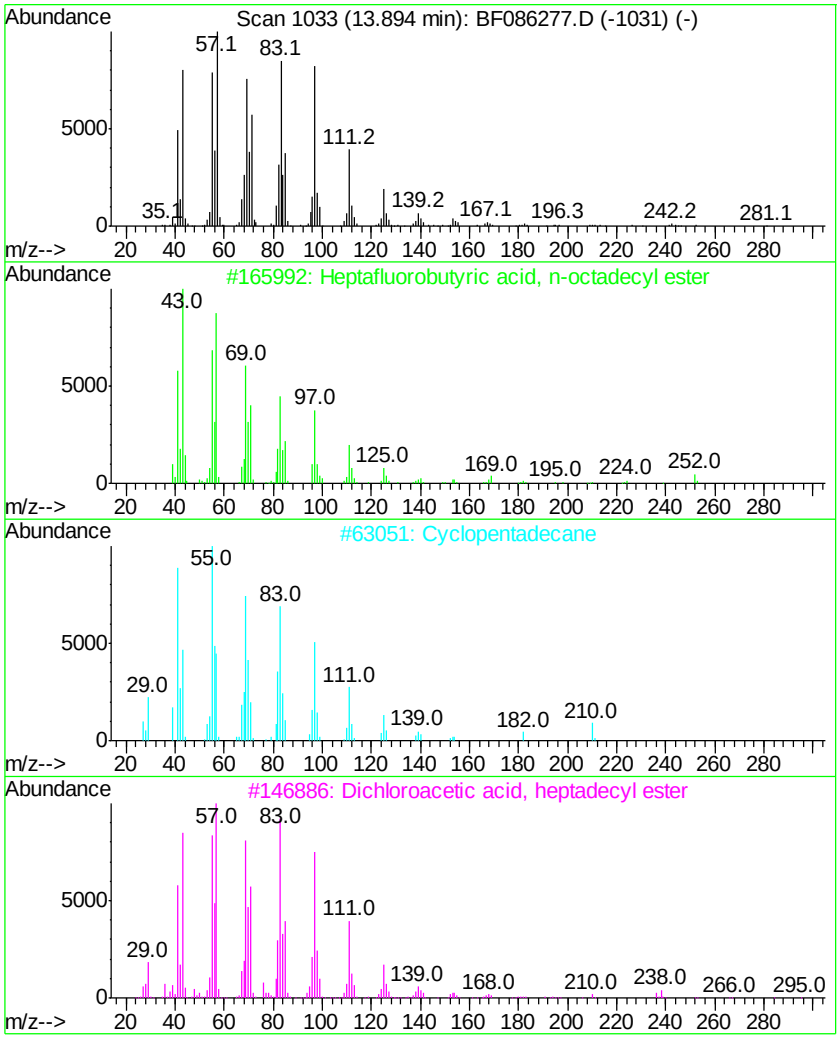
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

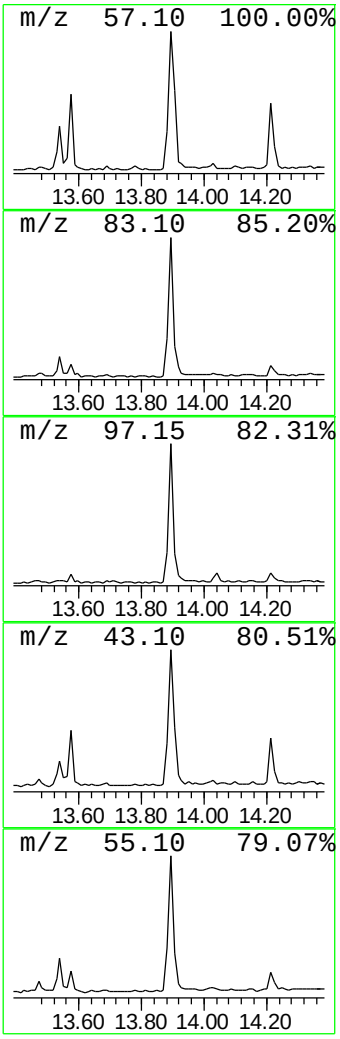
****

Peak Number 8 Heptafluorobutyric acid, n-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	4.01 ng	630387	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
2	Cyclopentadecane	210	C15H30	000295-48-7	90
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	87
5	Cyclohexadecane	224	C16H32	000295-65-8	87





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Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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

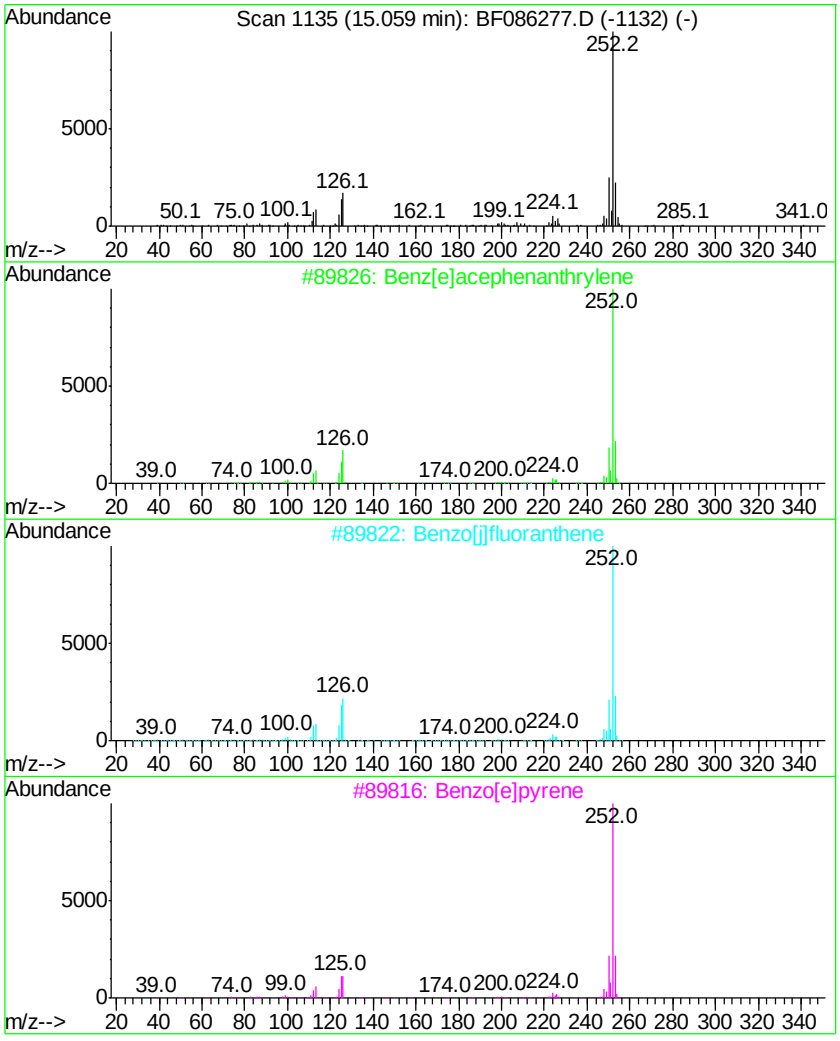
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

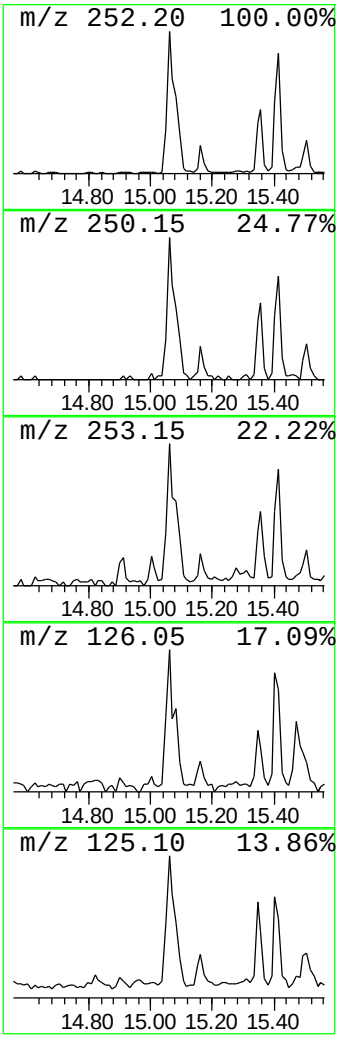
****

Peak Number 10 Benz[e]acephenanthrylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.84 ng	325473	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	97
3	Benzo[e]pyrene	252	C20H12	000192-97-2	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Perylene	252	C20H12	000198-55-0	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
Data File : BF086277.D
Acq On : 18 Apr 2016 12:58
Operator : UM/SJ
Sample : H2471-10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH8

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
Propane, 1,1-dime...	2.19	4.5	ng	498905	1	6.89	2221590	20.0
2-Pentanone, 4-hy...	5.09	4.2	ng	466652	1	6.89	2221590	20.0
unknown6.66	6.66	66.3	ng	7365710	1	6.89	2221590	20.0
Hexadecane	10.36	2.1	ng	348562	3	9.93	3249020	20.0
Pentadecane	10.83	2.9	ng	504328	4	11.41	3474340	20.0
Heptafluorobutyri...	13.89	4.0	ng	630387	5	14.04	3144120	20.0
Benz[e]acephenant...	15.06	2.8	ng	325473	6	15.48	2295820	20.0