LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

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-BF031816.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	2.333	3	4	15	rVB	171329	208702	5.96%	0.660%
2	3.773	127	130	134	rBV	88987	134711	3.85%	0.426%
3	4.493	189	193	196	rBV	2338266	3501256	100.00%	11.074%
4	5.019	236	239	254	rBV	264745	395575	11.30%	1.251%
5	5.430	273	275	278	rBV	2016403	2692463	76.90%	8.516%
6	5.830	308	310	313	rBV	27531	35871	1.02%	0.113%
7	6.470	363	366	368	rBV	2522756	2793392	79.78%	8.835%
8	6.596	375	377	380	rBV	2360706	2857164	81.60%	9.037%
9	6.836	395	398	400	rBV	546007	710190	20.28%	2.246%
10	6.984	409	411	414	rBV	2142899	2086938	59.61%	6.601%
11	7.396	444	447	449	rBV	1794190	1799187	51.39%	5.691%
12	7.853	484	487	491	rBV3	24705	48276	1.38%	0.153%
13	8.116	507	510	511	rBV	1224946	1083544	30.95%	3.427%
14	9.190	601	604	607	rBV	2672288	2626163	75.01%	8.306%
15	9.533	632	634	637	rBV2	18333	38122	1.09%	0.121%
16	9.590	637	639	640	rBV	453824	461600	13.18%	1.460%
17	9.808	653	658	660	rBV	77883	109102	3.12%	0.345%
18	9.865	661	663	665	rVV	995557	1053272	30.08%	3.331%
19	9.899	665	666	668	rVB	102502	78445	2.24%	0.248%
20	10.036	675	678	679	rBV	23848	43964	1.26%	0.139%
21	10.070	679	681	684	rVV3	38774	64753	1.85%	0.205%
22	10.299	700	701	703	rVB	158248	132810	3.79%	0.420%
23	10.413	709	711	714	rBV	63833	67852	1.94%	0.215%
24	10.516	717	720	724	rVV	49505	96062	2.74%	0.304%
25	10.653	729	732	735	rBV2	1559919	1865332	53.28%	5.900%
26	10.768	741	742	747	rBV	122835	225316	6.44%	0.713%
27	10.962	757	759	760	rBV	32495	38915	1.11%	0.123%
28	11.111	769	772	773	rBV3	24583	43864	1.25%	0.139%
29	11.225	779	782	783	rBV2	70071	99001	2.83%	0.313%
30	11.351	791	793	794	rBV	1180706	1003608	28.66%	3.174%
31	11.431	797	800	801	rVV	34200	69774	1.99%	0.221%
32	11.465	801	803	804	rVV	30224	38454	1.10%	0.122%
33	11.579	811	813	814	rBV	45094	62770	1.79%	0.199%
34	11.648	817	819	820	rBV	57055	63720	1.82%	0.202%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

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-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.888	838	840	841	rBV	173439	253229	7.23%	0.801%
36	12.574	898	900	902	rVB	246060	228358	6.52%	0.722%
37	12.608	902	903	906	rVB3	49983	54855	1.57%	0.174%
38	12.756	914	916	917	rBV	51713	75840	2.17%	0.240%
39	12.791	917	919	922	rVB	179887	187865	5.37%	0.594%
40	12.939	929	932	934	rVB	1445075	1825806	52.15%	5.775%
41	13.111	945	947	949	rVB	27195	41124	1.17%	0.130%
42	13.179	949	953	955	rVV3	25388	59198	1.69%	0.187%
43	13.214	955	956	961	rVB3	23027	35471	1.01%	0.112%
44	13.831	1008	1010	1017	rVB	252220	358237	10.23%	1.133%
45	13.979	1020	1023	1029	rVB	733288	784482	22.41%	2.481%
46	14.151	1035	1038	1042	rBV4	17682	38957	1.11%	0.123%
47	14.448	1062	1064	1067	rBV4	22083	47473	1.36%	0.150%
48	14.997	1109	1112	1116	rBV	48964	92477	2.64%	0.292%
49	15.282	1135	1137	1140	rVB	31669	39305	1.12%	0.124%
50	15.340	1140	1142	1145	rVB	42739	57461	1.64%	0.182%
51	15.397	1145	1147	1150	rBV	479796	635620	18.15%	2.010%
52	15.831	1182	1185	1188	rBV	19830	36464	1.04%	0.115%
53	16.060	1202	1205	1210	rVB6	13856	39906	1.14%	0.126%
54	16.780	1265	1268	1272	rBV	14250	38521	1.10%	0.122%
55	17.088	1292	1295	1301	rVB	25803	55746	1.59%	0.176%

Sum of corrected areas: 31616563

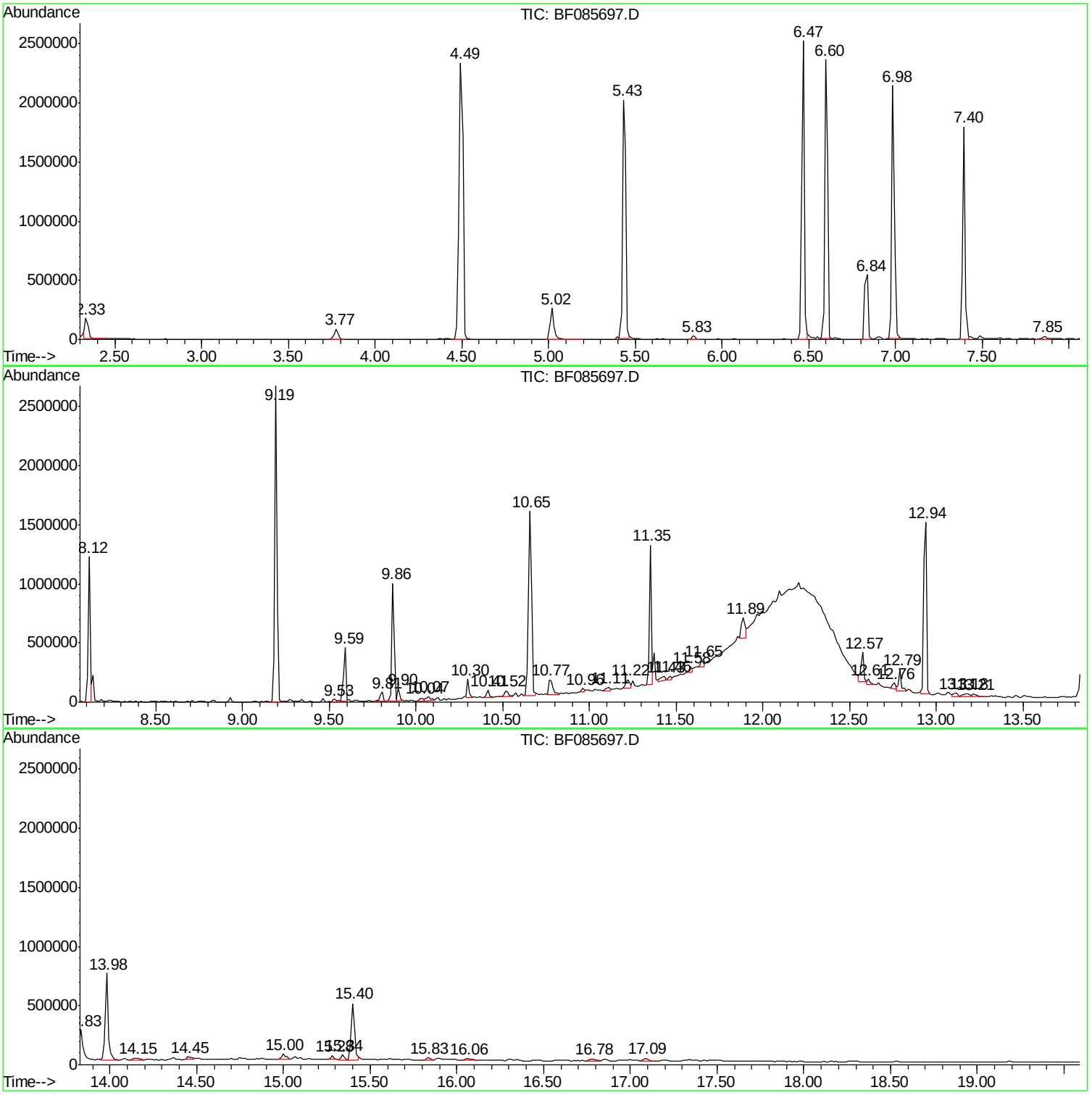
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

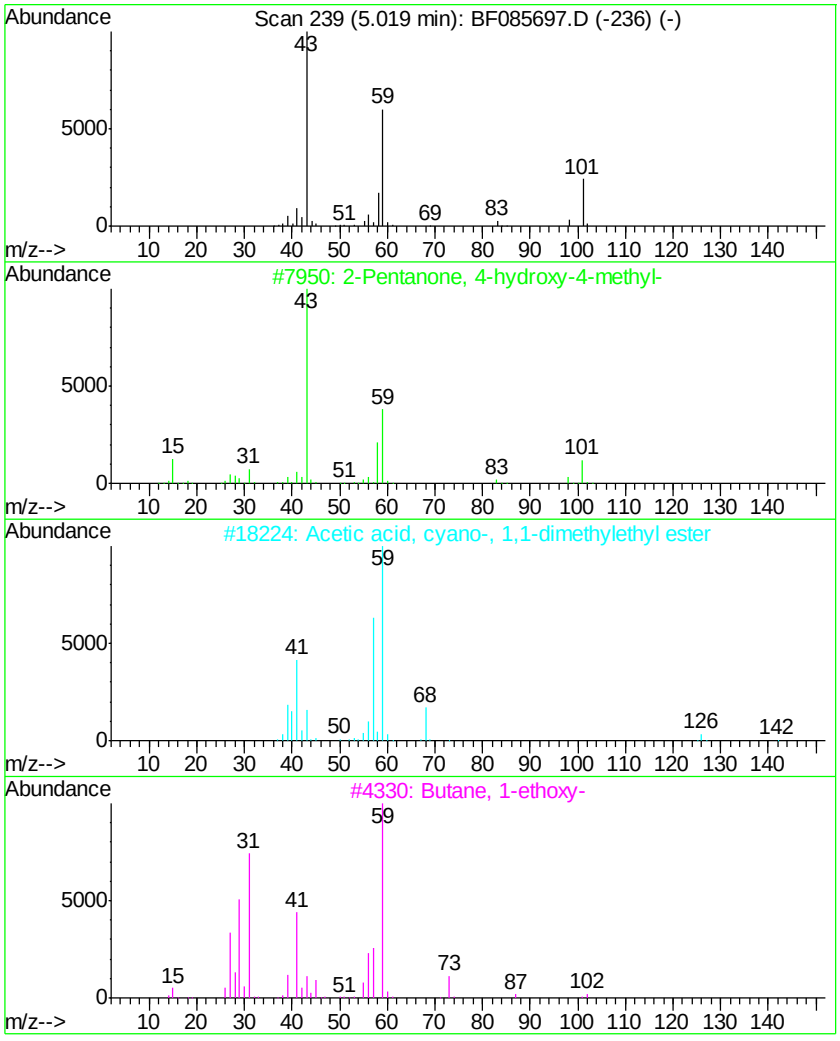
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

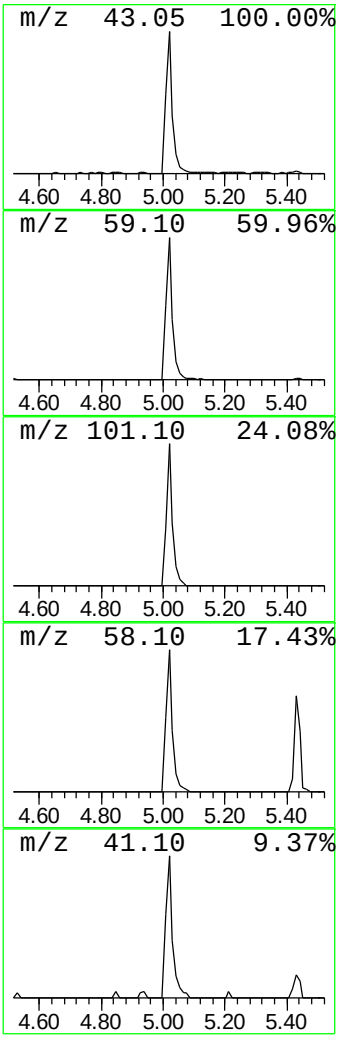
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	11.14 ng	395575	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

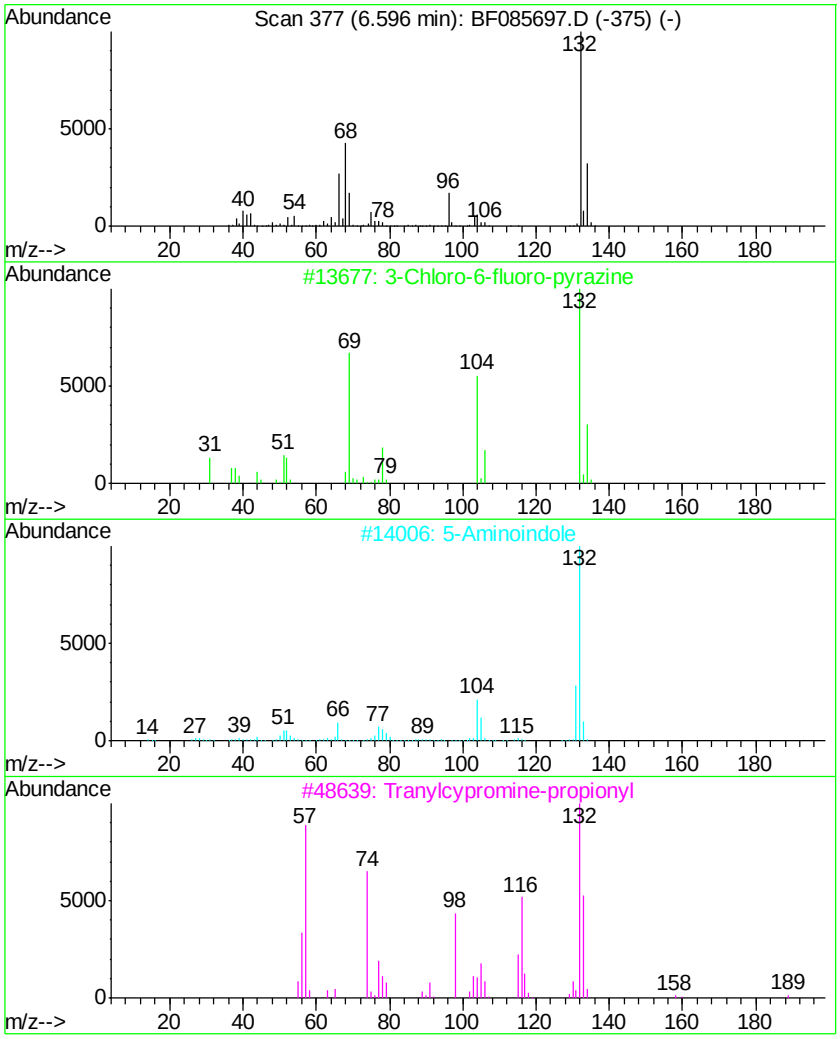
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

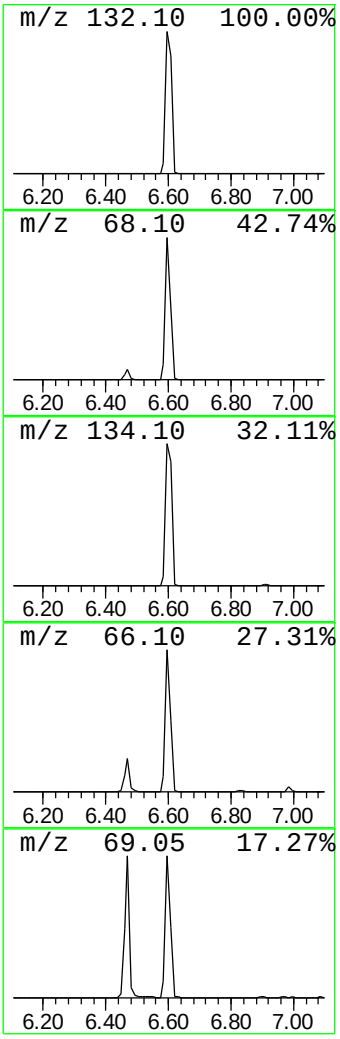
****

Peak Number 5 unknown6.60 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	80.46 ng	2857160	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

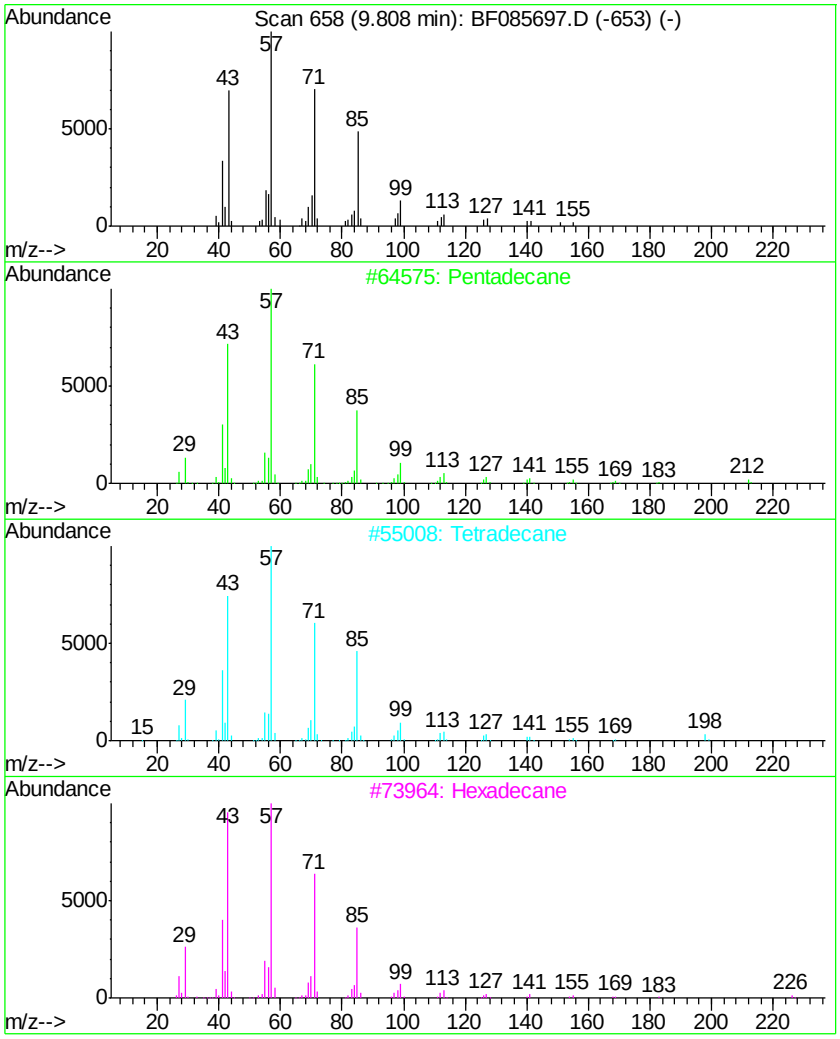
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

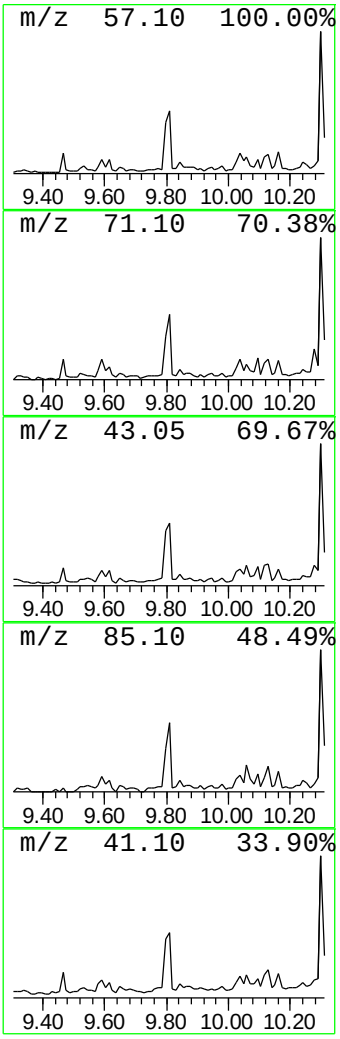
****

Peak Number 7 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	2.07 ng	109102	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Tetradecane	198	C14H30	000629-59-4	87
3	Hexadecane	226	C16H34	000544-76-3	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

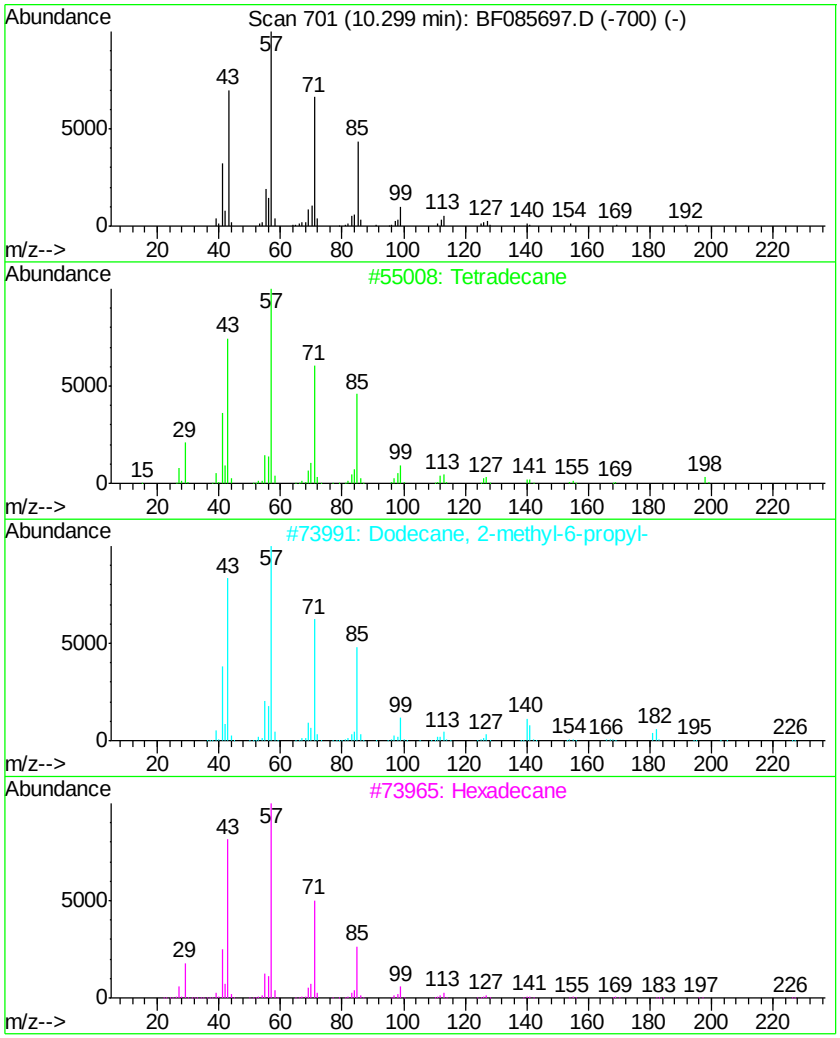
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

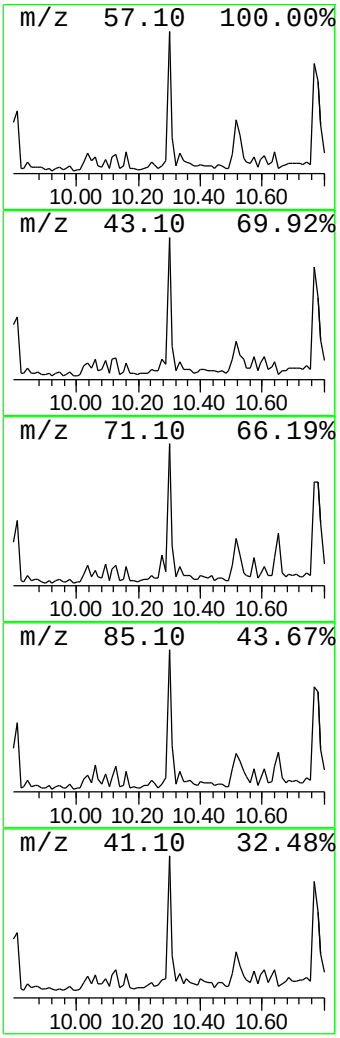
****

Peak Number 8 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	2.52 ng	132810	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
3	Hexadecane	226	C16H34	000544-76-3	80
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Pentadecane	212	C15H32	000629-62-9	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

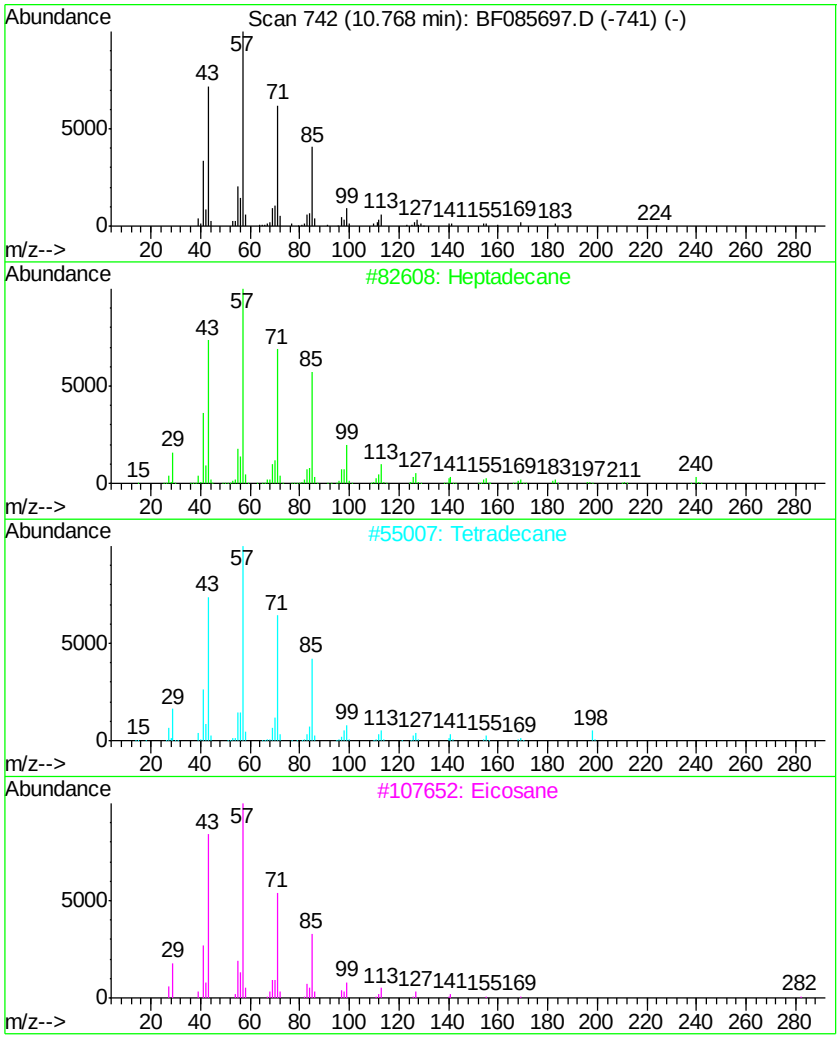
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

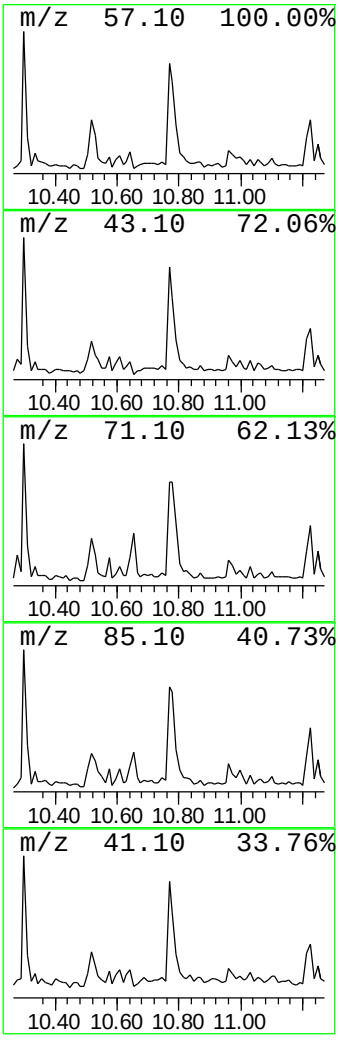
****

Peak Number 9 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	4.49 ng	225316	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	Eicosane	282	C20H42	000112-95-8	83
4	Nonadecane	268	C19H40	000629-92-5	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

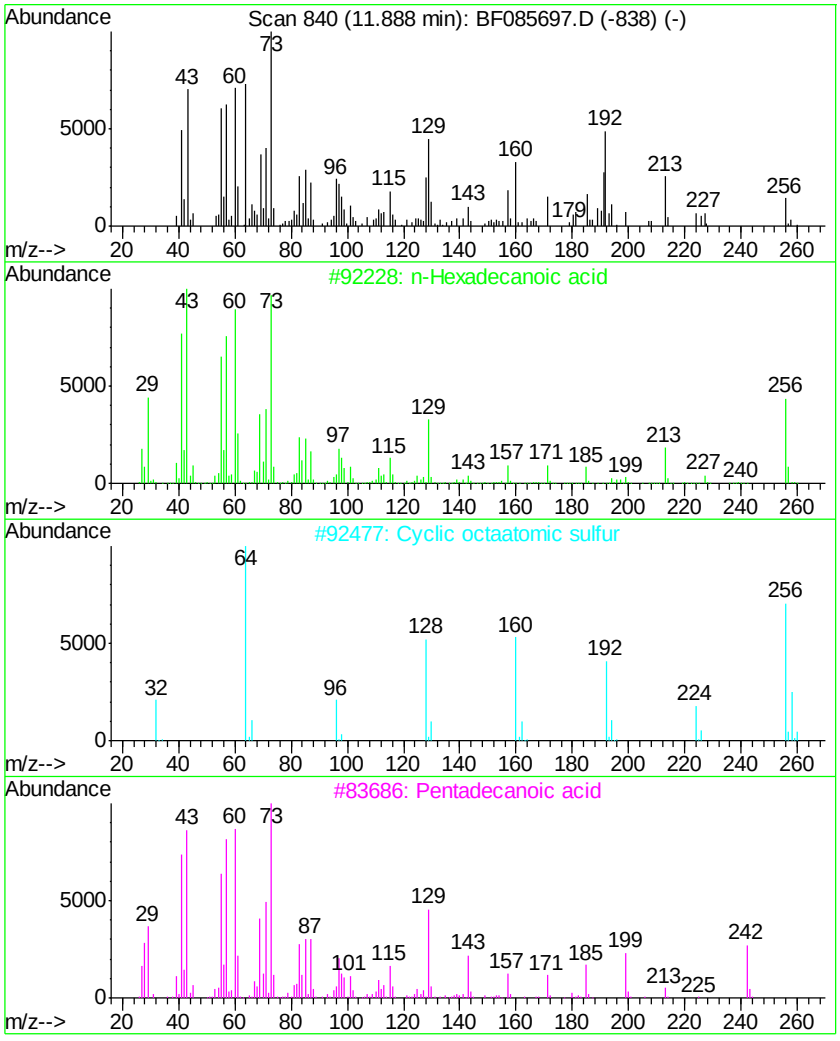
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

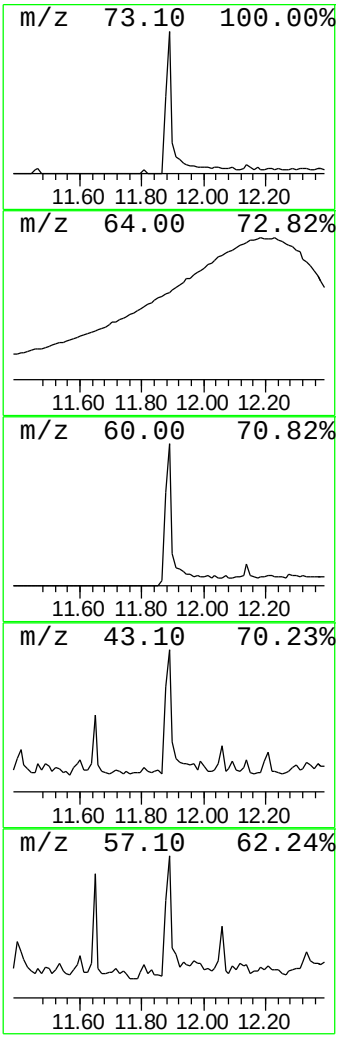
****

Peak Number 10 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	5.05 ng	253229	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Cyclic octaatomic sulfur	256	S8	010544-50-0	37
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	25
4	7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	25
5	Tridecanoic acid	214	C13H26O2	000638-53-9	15





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

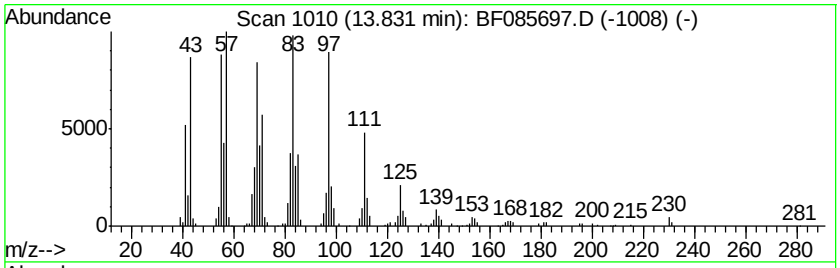
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

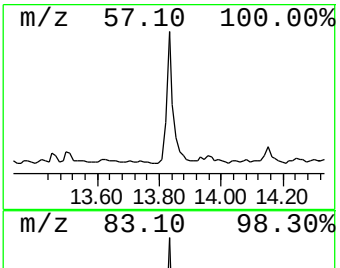
****

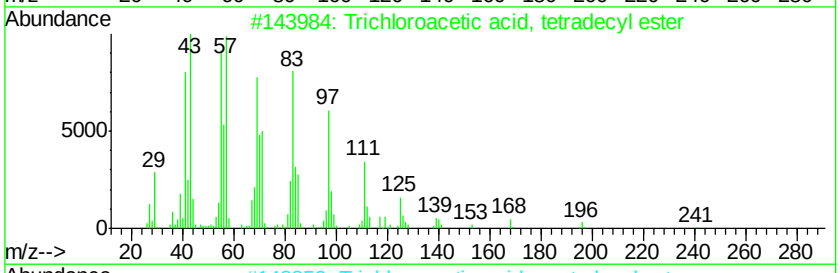
Peak Number 11 Trichloroacetic acid, tetra... Concentration Rank 5

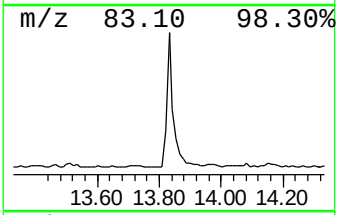
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	9.13 ng	358237	Chrysene-d12	13.98

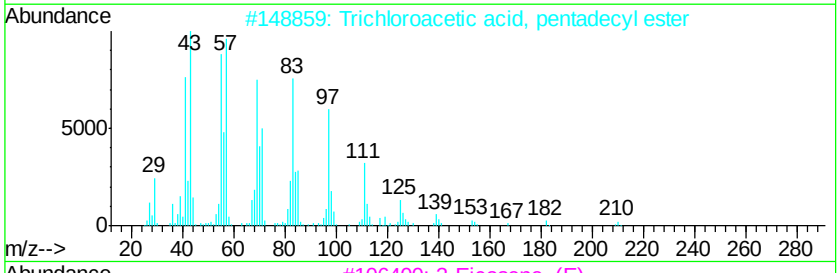
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
4	1-Nonadecene	266	C19H38	018435-45-5	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91

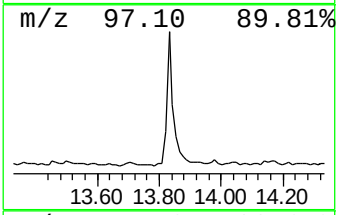


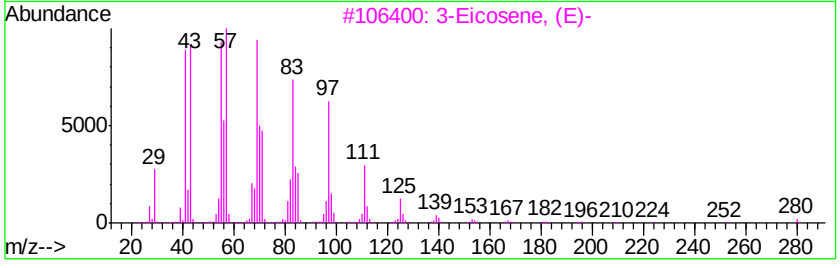


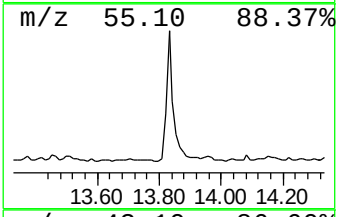


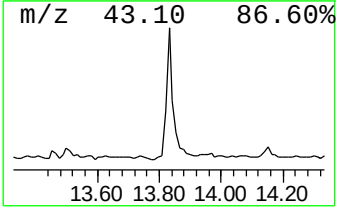












Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

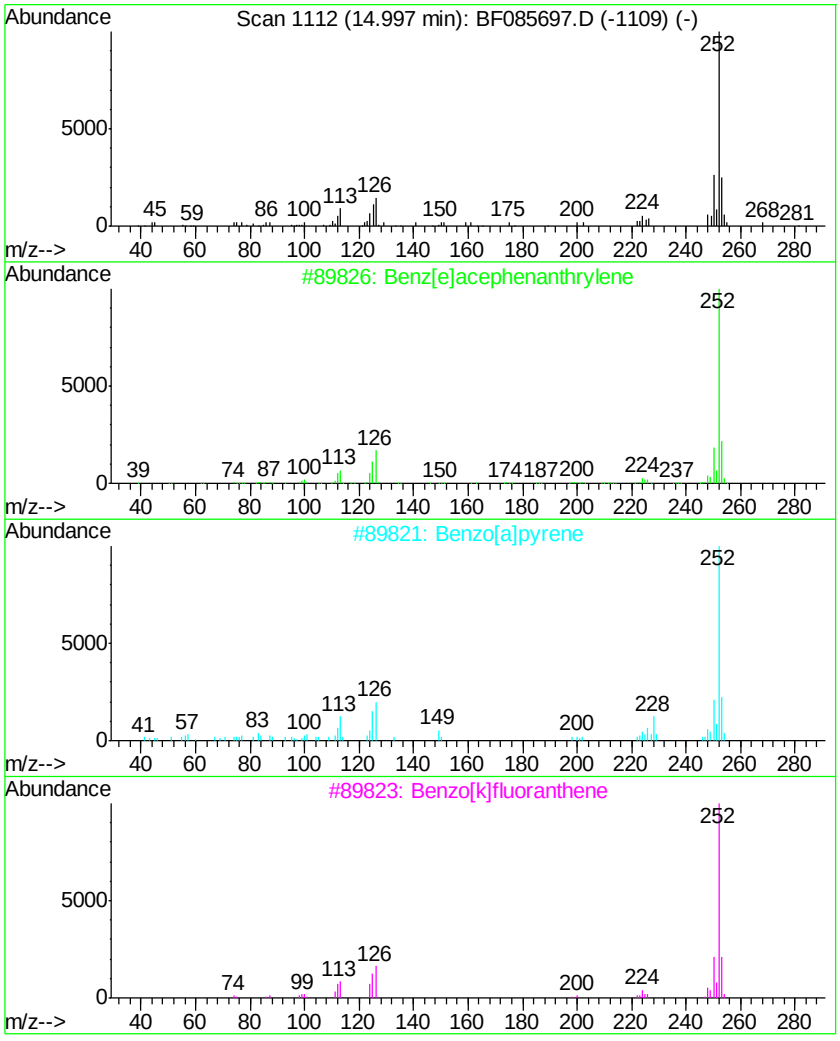
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

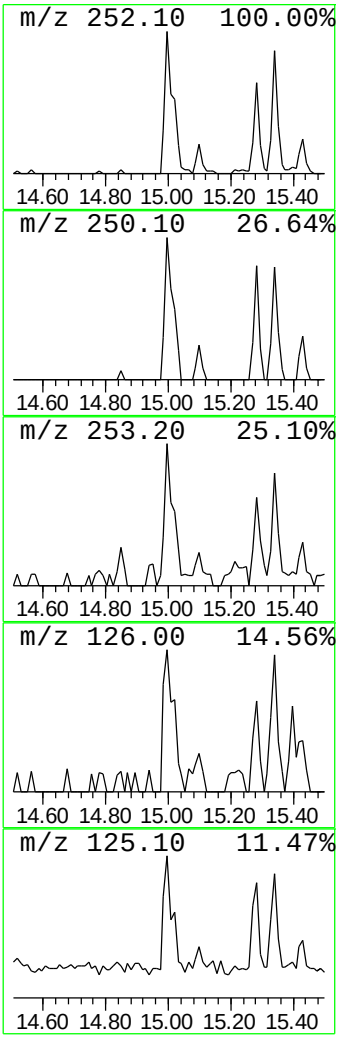
****

Peak Number 12 Benz[e]acephenanthrylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	2.91 ng	92477	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[e]pyrene	252	C20H12	000192-97-2	87
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085697.D
Acq On : 23 Mar 2016 10:23
Operator : UM/SJ
Sample : H1857-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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...	5.02	11.1	ng	395575	1	6.84	710190	20.0
unknown6.60	6.60	80.5	ng	2857160	1	6.84	710190	20.0
Pentadecane	9.81	2.1	ng	109102	3	9.86	1053270	20.0
Tetradecane	10.30	2.5	ng	132810	3	9.86	1053270	20.0
Heptadecane	10.77	4.5	ng	225316	4	11.35	1003610	20.0
n-Hexadecanoic acid	11.89	5.0	ng	253229	4	11.35	1003610	20.0
Trichloroacetic a...	13.83	9.1	ng	358237	5	13.98	784482	20.0
Benz[e]acephenant...	15.00	2.9	ng	92477	6	15.40	635620	20.0