LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

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-BF102317.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	4.998	492	495	507	rBV	35832	50111	6.71%	0.546%
2	5.416	563	566	588	rBV	246959	359184	48.10%	3.916%
3	6.440	737	740	753	rBV	280295	402222	53.87%	4.386%
4	6.569	758	762	768	rVB	450747	421447	56.44%	4.595%
5	6.792	797	800	806	rBV	602187	500350	67.01%	5.456%
6	6.928	820	823	824	rBV2	10930	10268	1.38%	0.112%
7	6.945	824	826	834	rVB	317490	314386	42.10%	3.428%
8	7.057	839	845	848	rBV5	12198	18906	2.53%	0.206%
9	7.181	862	866	868	rBV3	16548	21436	2.87%	0.234%
10	7.204	868	870	876	rVB5	10538	15858	2.12%	0.173%
11	7.304	882	887	889	rBV3	15146	18570	2.49%	0.202%
12	7.363	894	897	904	rBV	238608	250837	33.59%	2.735%
13	7.416	904	906	907	rVV2	13952	14016	1.88%	0.153%
14	7.481	911	917	920	rBV6	10568	22436	3.00%	0.245%
15	7.563	928	931	933	rBV	14067	11394	1.53%	0.124%
16	7.592	933	936	939	rVV	33518	31637	4.24%	0.345%
17	7.663	942	948	950	rBV6	8964	14938	2.00%	0.163%
18	7.704	952	955	958	rVV2	32539	30368	4.07%	0.331%
19	7.781	965	968	970	rBV3	16001	14718	1.97%	0.160%
20	7.816	970	974	977	rBV3	19466	23751	3.18%	0.259%
21	7.857	979	981	983	rVB3	15006	11632	1.56%	0.127%
22	7.887	983	986	989	rBV2	21478	26858	3.60%	0.293%
23	7.939	991	995	998	rBV4	28535	30639	4.10%	0.334%
24	7.969	998	1000	1004	rBV3	19863	22181	2.97%	0.242%
25	8.016	1004	1008	1011	rVV5	14943	26942	3.61%	0.294%
26	8.045	1011	1013	1015	rVV	47745	46676	6.25%	0.509%
27	8.075	1015	1018	1024	rVV	790568	732628	98.12%	7.988%
28	8.122	1024	1026	1029	rVV2	56416	49593	6.64%	0.541%
29	8.157	1029	1032	1039	rVB8	18749	35059	4.70%	0.382%
30	8.245	1044	1047	1049	rVV3	15914	17333	2.32%	0.189%
31	8.269	1049	1051	1053	rVB3	28805	23314	3.12%	0.254%
32	8.357	1063	1066	1071	rVB3	36529	40566	5.43%	0.442%
33	8.410	1073	1075	1078	rBV3	17349	12548	1.68%	0.137%
34	8.445	1078	1081	1085	rVB5	18639	22469	3.01%	0.245%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.486	1085	1088	1090	rBV	65701	54381	7.28%	0.593%
36	8.510	1090	1092	1094	rBV2	28094	19668	2.63%	0.214%
37	8.575	1101	1103	1105	rBV2	21284	18537	2.48%	0.202%
38	8.604	1105	1108	1111	rVV3	19128	23464	3.14%	0.256%
39	8.639	1111	1114	1116	rVV2	35441	38697	5.18%	0.422%
40	8.657	1116	1117	1121	rVV3	48313	45405	6.08%	0.495%
41	8.692	1121	1123	1126	rVV4	23488	34373	4.60%	0.375%
42	8.745	1130	1132	1137	rVB5	33322	41875	5.61%	0.457%
43	8.816	1142	1144	1147	rBV4	10054	11264	1.51%	0.123%
44	8.898	1156	1158	1160	rBV2	34962	26973	3.61%	0.294%
45	8.945	1163	1166	1169	rBV4	26534	30928	4.14%	0.337%
46	9.022	1176	1179	1184	rBV5	31557	43840	5.87%	0.478%
47	9.063	1184	1186	1188	rVB2	22018	15859	2.12%	0.173%
48	9.086	1188	1190	1193	rBV	86639	73617	9.86%	0.803%
49	9.151	1198	1201	1205	rVV	561785	469115	62.83%	5.115%
50	9.186	1205	1207	1209	rVB2	23480	17688	2.37%	0.193%
51	9.228	1210	1214	1218	rVV3	49747	57241	7.67%	0.624%
52	9.263	1218	1220	1222	rVV2	26753	23602	3.16%	0.257%
53	9.298	1224	1226	1230	rVB3	37434	37925	5.08%	0.414%
54	9.463	1252	1254	1256	rBV3	12881	13387	1.79%	0.146%
55	9.504	1259	1261	1264	rVB4	18854	18364	2.46%	0.200%
56	9.551	1264	1269	1273	rBV2	176002	207239	27.75%	2.260%
57	9.698	1290	1294	1297	rBV5	20684	34787	4.66%	0.379%
58	9.733	1298	1300	1302	rVV3	22550	23542	3.15%	0.257%
59	9.757	1302	1304	1308	rVV3	20486	19714	2.64%	0.215%
60	9.792	1308	1310	1312	rVV2	11950	13250	1.77%	0.144%
61	9.839	1314	1318	1324	rVB	773501	746675	100.00%	8.142%
62	10.016	1345	1348	1350	rVB3	11442	10812	1.45%	0.118%
63	10.081	1356	1359	1362	rBV3	16284	16949	2.27%	0.185%
64	10.157	1368	1372	1375	rBV5	13620	20461	2.74%	0.223%
65	10.475	1420	1426	1429	rBV5	16671	27461	3.68%	0.299%
66	10.551	1436	1439	1445	rVB	140524	113246	15.17%	1.235%
67	10.633	1449	1453	1463	rBV	252793	248853	33.33%	2.713%
68	10.739	1467	1471	1478	rVB2	25644	42677	5.72%	0.465%
69	11.180	1543	1546	1548	rBV2	13877	11981	1.60%	0.131%
70	11.210	1548	1551	1553	rVB	12848	11645	1.56%	0.127%
71	11.327	1568	1571	1574	rBV	698058	662758	88.76%	7.227%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.357	1574	1576	1580	rVB	67696	58506	7.84%	0.638%
73	11.410	1583	1585	1589	rVB	13873	13012	1.74%	0.142%
74	11.845	1655	1659	1661	rBV2	18238	25667	3.44%	0.280%
75	11.863	1661	1662	1666	rVB	15912	13144	1.76%	0.143%
76	11.951	1673	1677	1679	rBV2	16888	19856	2.66%	0.217%
77	11.975	1679	1681	1685	rVB3	10701	12116	1.62%	0.132%
78	12.010	1685	1687	1689	rBV2	12969	10604	1.42%	0.116%
79	12.386	1748	1751	1752	rBV2	14365	12783	1.71%	0.139%
80	12.404	1752	1754	1756	rVB2	12333	10441	1.40%	0.114%
81	12.551	1776	1779	1784	rBV	124899	116313	15.58%	1.268%
82	12.639	1791	1794	1801	rBV8	11135	20097	2.69%	0.219%
83	12.780	1812	1818	1823	rVB	114038	132553	17.75%	1.445%
84	12.833	1823	1827	1830	rBV5	11023	13767	1.84%	0.150%
85	12.910	1837	1840	1844	rBV	355091	326982	43.79%	3.565%
86	12.998	1853	1855	1859	rVB4	9177	10889	1.46%	0.119%
87	13.110	1868	1874	1876	rBV4	13603	23825	3.19%	0.260%
88	13.127	1876	1877	1880	rVB2	16911	12018	1.61%	0.131%
89	13.216	1889	1892	1896	rVB3	13619	15395	2.06%	0.168%
90	13.345	1911	1914	1916	rBV3	9014	12583	1.69%	0.137%
91	13.474	1933	1936	1939	rVB4	15540	17732	2.37%	0.193%
92	13.633	1959	1963	1966	rBV6	10131	15998	2.14%	0.174%
93	13.798	1988	1991	1995	rVV3	40963	56176	7.52%	0.613%
94	13.845	1997	1999	2004	rVB6	15577	16351	2.19%	0.178%
95	13.986	2018	2023	2026	rBV	541886	566654	75.89%	6.179%
96	14.010	2026	2027	2030	rVB	58153	39632	5.31%	0.432%
97	15.033	2198	2201	2203	rBV	40626	55661	7.45%	0.607%
98	15.333	2249	2252	2256	rBV	28504	39232	5.25%	0.428%
99	15.398	2260	2263	2266	rVV	39296	48243	6.46%	0.526%
100	15.457	2269	2273	2278	rVB	407144	481436	64.48%	5.249%

Sum of corrected areas: 9171190

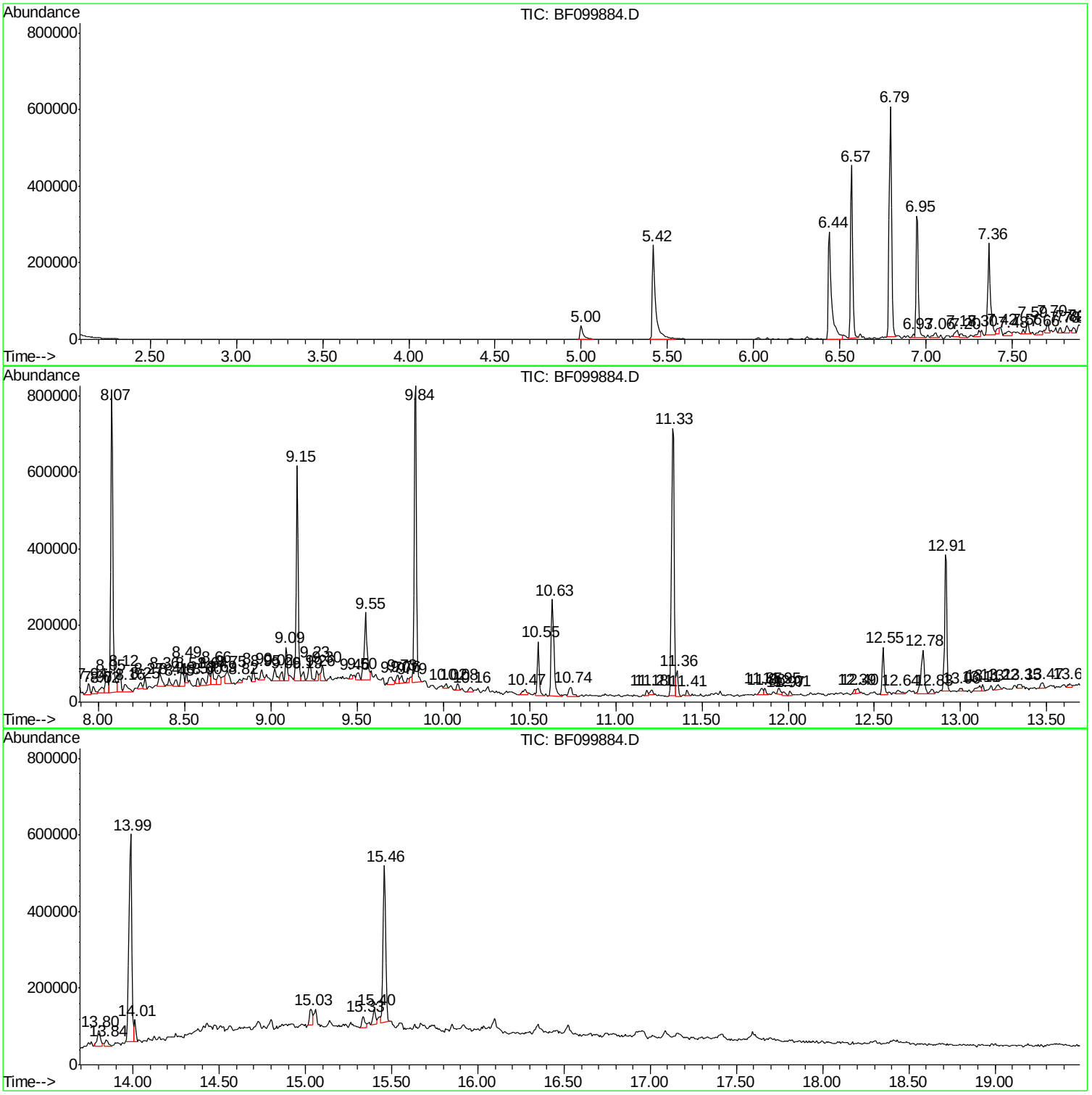
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

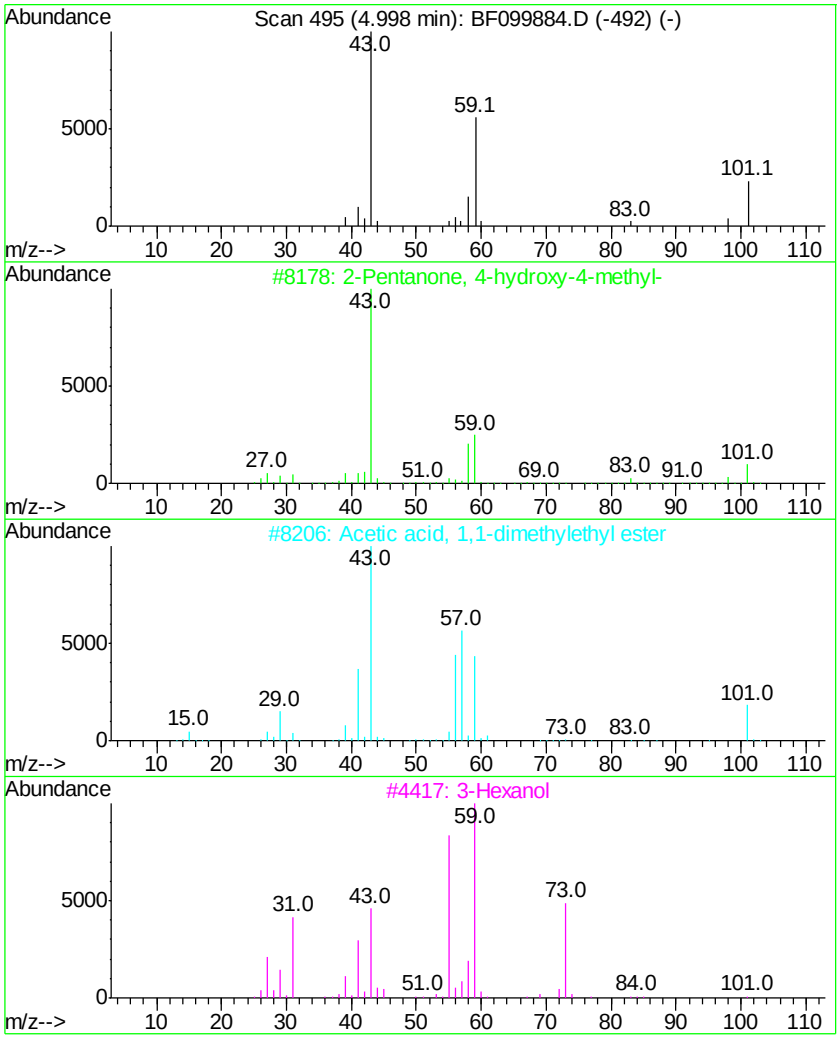
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

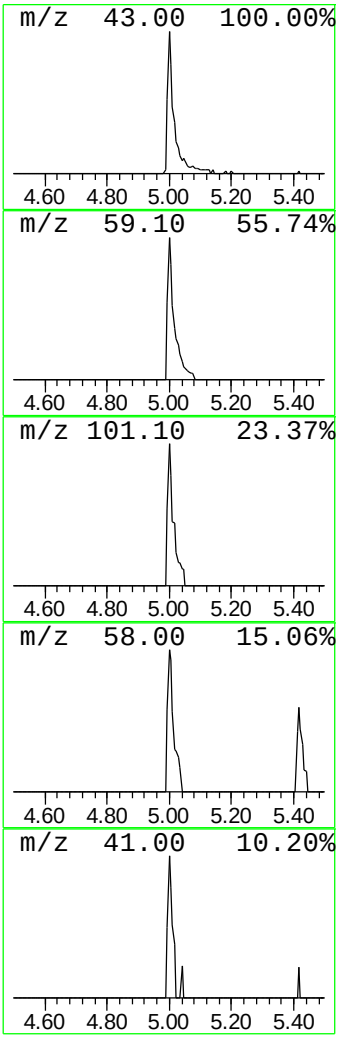
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	2.00 ng	50111	1,4-Dichlorobenzene-d4	6.79

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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

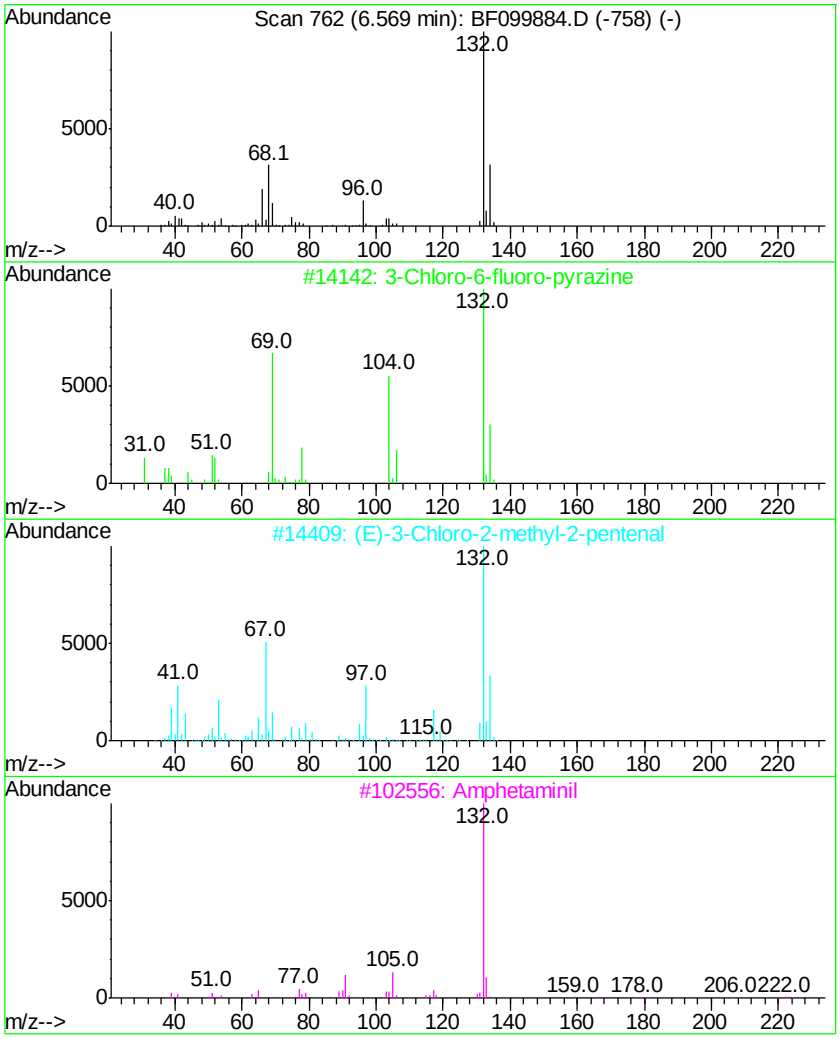
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

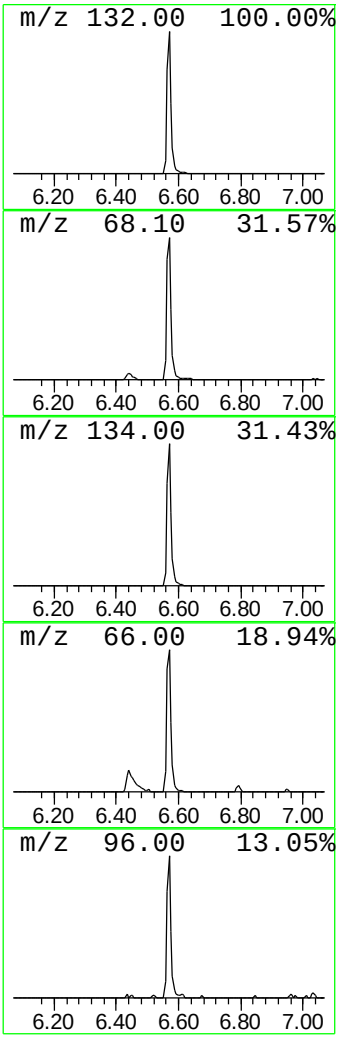
****

Peak Number 2 3-Chloro-6-fluoro-pyrazine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	16.85 ng	421447	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	52
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	38
3	Amphetaminil	250	C17H18N2	017590-01-1	25
4	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	25
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

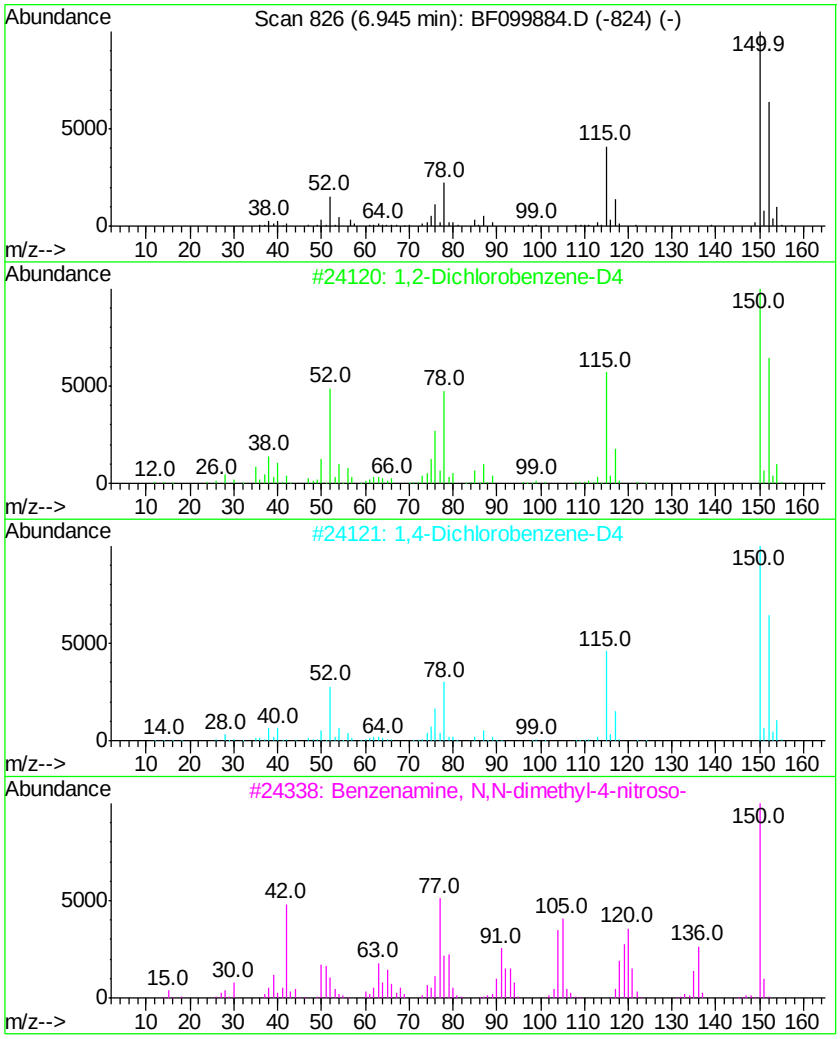
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

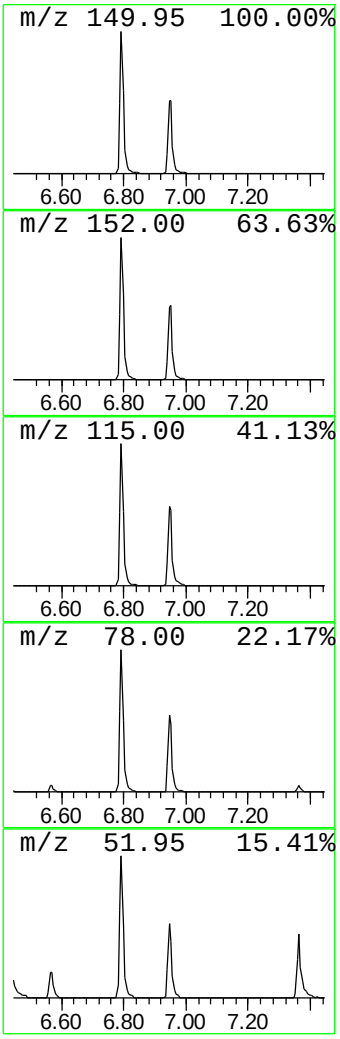
****

Peak Number 3 1,2-Dichlorobenzene-D4 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	12.57 ng	314386	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	95
2	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	95
3	Benzenamine, N,N-dimethyl-4-nitr...	150	C8H10N2O	000138-89-6	32
4	l-Alanine, N-(2-chloroethoxycarb...	335	C16H30ClNO4	1000327-92-8	17
5	2-Bromo-2'-nitroacetophenone	243	C8H6BrNO3	006851-99-6	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

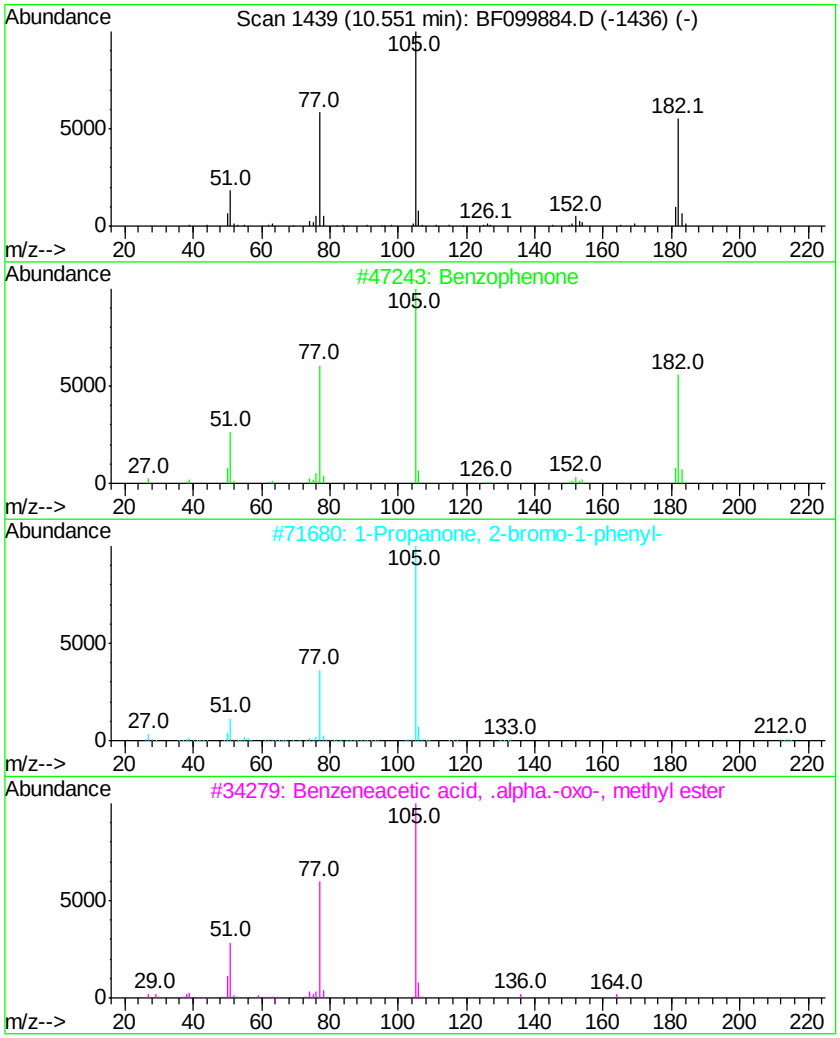
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

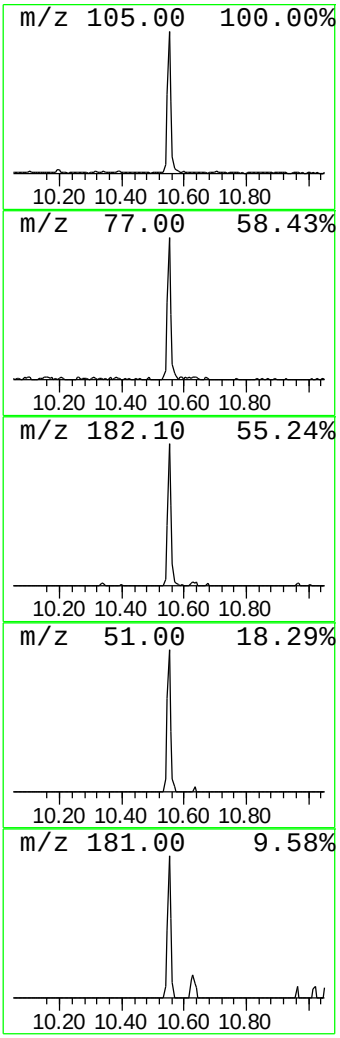
****

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	3.03 ng	113246	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	43
4	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	43
5	Phenylglyoxal	134	C8H6O2	001074-12-0	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

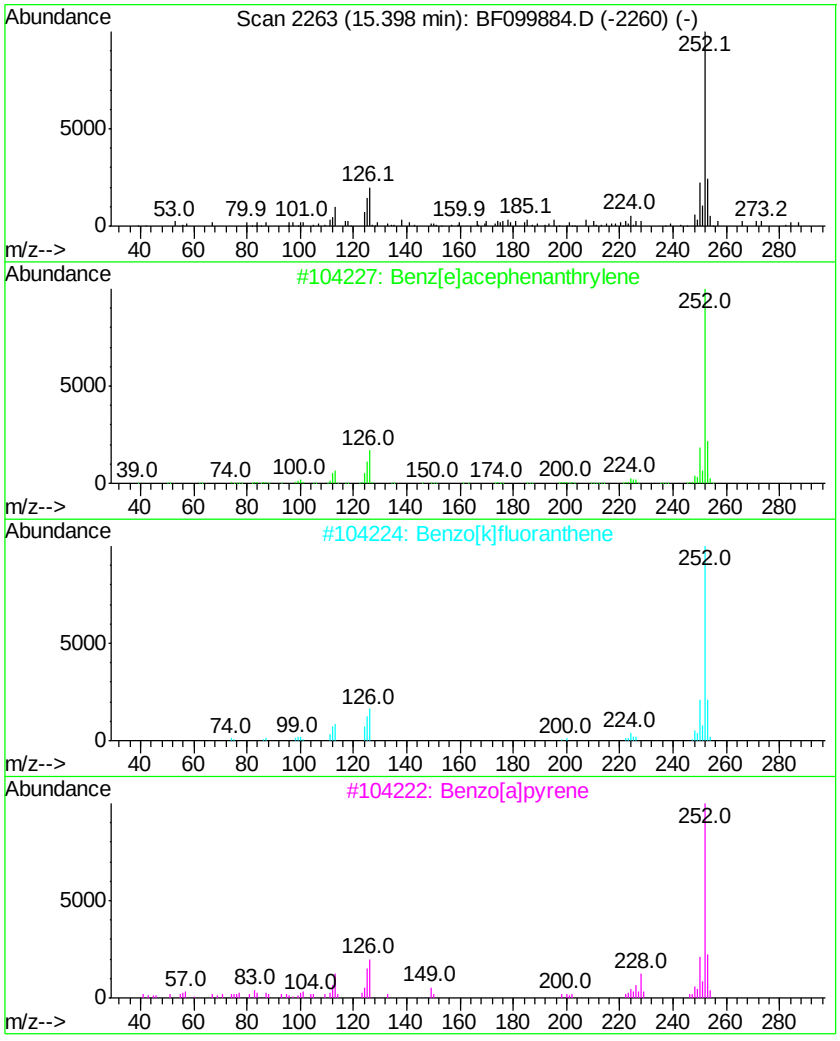
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

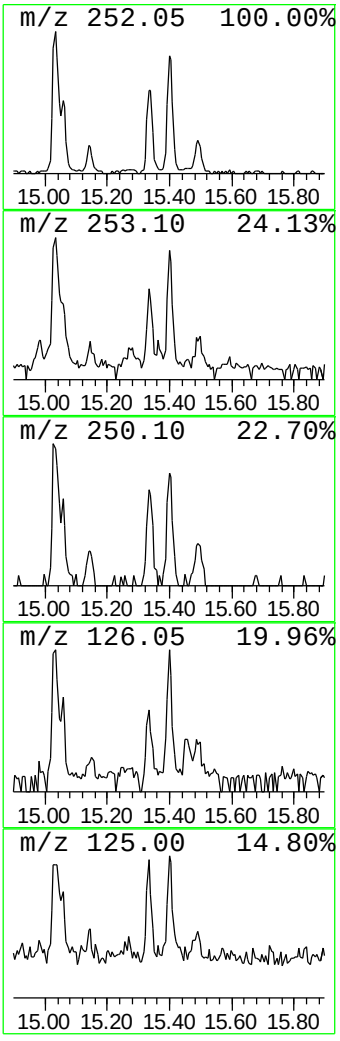
****

Peak Number 5 Benz[e]acephenanthrylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	2.00 ng	48243	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	83
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[e]pyrene	252	C20H12	000192-97-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
Data File : BF099884.D
Acq On : 27 Oct 2017 18:23
Operator : SJ/JU
Sample : I6117-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-102417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.00	2.0	ng	50111	1	6.79	500350	20.0
3-Chloro-6-fluoro...	6.57	16.8	ng	421447	1	6.79	500350	20.0
1,2-Dichlorobenze...	6.95	12.6	ng	314386	1	6.79	500350	20.0
Benzophenone	10.55	3.0	ng	113246	3	9.84	746675	20.0
Benz[e]acephenant...	15.40	2.0	ng	48243	6	15.46	481436	20.0