LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

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-BF081517.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	4.963	485	489	495	rVB	50477	49970	3.65%	0.261%
2	5.375	555	559	562	rBV	633831	547055	39.94%	2.853%
3	6.392	728	732	738	rBV	694489	606049	44.25%	3.161%
4	6.540	753	757	760	rBV	740069	589353	43.03%	3.074%
5	6.775	794	797	801	rVB	1054262	948491	69.25%	4.947%
6	6.934	820	824	827	rVB	525726	436124	31.84%	2.275%
7	7.334	888	892	895	rBV	462272	355104	25.93%	1.852%
8	8.063	1011	1016	1019	rBV	1503729	1281101	93.54%	6.682%
9	9.133	1194	1198	1202	rVB	784223	608440	44.42%	3.174%
10	9.475	1252	1256	1258	rBV	21162	20474	1.49%	0.107%
11	9.533	1262	1266	1270	rVB	83577	72177	5.27%	0.376%
12	9.675	1283	1290	1292	rBV	19021	21133	1.54%	0.110%
13	9.722	1292	1298	1301	rVV4	10487	17509	1.28%	0.091%
14	9.816	1308	1314	1317	rBV	1554179	1357741	99.13%	7.082%
15	9.845	1317	1319	1322	rVB	130721	92989	6.79%	0.485%
16	10.016	1345	1348	1351	rVB	58335	43863	3.20%	0.229%
17	10.222	1378	1383	1387	rBV2	13689	19932	1.46%	0.104%
18	10.357	1403	1406	1412	rVB2	79004	63786	4.66%	0.333%
19	10.516	1431	1433	1438	rVB	34101	28987	2.12%	0.151%
20	10.592	1443	1446	1451	rVV2	411598	393702	28.75%	2.054%
21	10.727	1460	1469	1476	rBV3	32335	48957	3.57%	0.255%
22	10.904	1493	1499	1502	rBV3	18844	34046	2.49%	0.178%
23	11.033	1516	1521	1523	rBV3	22015	26413	1.93%	0.138%
24	11.098	1529	1532	1537	rVB	56275	52866	3.86%	0.276%
25	11.145	1537	1540	1543	rBV3	26259	33672	2.46%	0.176%
26	11.192	1546	1548	1555	rVB	53366	54378	3.97%	0.284%
27	11.298	1562	1566	1568	rBV	1502563	1369610	100.00%	7.144%
28	11.322	1568	1570	1573	rVV	1015486	742750	54.23%	3.874%
29	11.369	1573	1578	1581	rVV	218141	182209	13.30%	0.950%
30	11.522	1599	1604	1607	rBV2	73530	74422	5.43%	0.388%
31	11.598	1614	1617	1619	rBV2	29993	27345	2.00%	0.143%
32	11.627	1619	1622	1627	rVB4	21650	20179	1.47%	0.105%
33	11.798	1647	1651	1653	rBV	119984	105330	7.69%	0.549%
34	11.822	1653	1655	1659	rVB	164366	137405	10.03%	0.717%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.869	1660	1663	1666	rBV	62441	53929	3.94%	0.281%
36	11.904	1666	1669	1672	rVV	178235	194671	14.21%	1.015%
37	11.927	1672	1673	1678	rVB	85781	61352	4.48%	0.320%
38	12.092	1698	1701	1703	rBV	88341	80029	5.84%	0.417%
39	12.110	1703	1704	1708	rVB	76702	49916	3.64%	0.260%
40	12.239	1723	1726	1729	rBV	32826	27696	2.02%	0.144%
41	12.292	1733	1735	1738	rVB	26527	22833	1.67%	0.119%
42	12.345	1740	1744	1747	rBV2	69756	77639	5.67%	0.405%
43	12.380	1747	1750	1752	rVV2	37406	50465	3.68%	0.263%
44	12.398	1752	1753	1755	rVV2	31829	24216	1.77%	0.126%
45	12.427	1755	1758	1763	rVB2	73672	83720	6.11%	0.437%
46	12.504	1767	1771	1775	rVV	1100631	959077	70.03%	5.003%
47	12.569	1777	1782	1789	rVB6	26304	55109	4.02%	0.287%
48	12.633	1789	1793	1795	rBV4	25322	33192	2.42%	0.173%
49	12.657	1795	1797	1801	rVV	33889	33618	2.45%	0.175%
50	12.733	1804	1810	1813	rVV	1017556	1008207	73.61%	5.259%
51	12.780	1815	1818	1824	rVB2	42543	60538	4.42%	0.316%
52	12.851	1827	1830	1832	rVV	53887	48277	3.52%	0.252%
53	12.880	1832	1835	1841	rVB	590654	515364	37.63%	2.688%
54	12.951	1841	1847	1850	rBV2	64217	100704	7.35%	0.525%
55	12.980	1850	1852	1854	rVB3	20403	16839	1.23%	0.088%
56	13.016	1854	1858	1859	rBV3	18734	21620	1.58%	0.113%
57	13.039	1859	1862	1863	rVV2	52752	62394	4.56%	0.325%
58	13.057	1863	1865	1869	rVB2	80073	77066	5.63%	0.402%
59	13.127	1874	1877	1879	rBV2	48478	39265	2.87%	0.205%
60	13.163	1879	1883	1886	rVV	101056	97759	7.14%	0.510%
61	13.192	1886	1888	1891	rVB	29457	23543	1.72%	0.123%
62	13.221	1891	1893	1896	rBV	16295	15341	1.12%	0.080%
63	13.257	1896	1899	1901	rVB	47057	40687	2.97%	0.212%
64	13.286	1901	1904	1908	rBV	52808	46320	3.38%	0.242%
65	13.363	1914	1917	1926	rVB8	21996	35637	2.60%	0.186%
66	13.463	1931	1934	1937	rVV4	17616	18313	1.34%	0.096%
67	13.563	1944	1951	1955	rBV	69912	85476	6.24%	0.446%
68	13.674	1965	1970	1973	rBV3	55529	79727	5.82%	0.416%
69	13.704	1973	1975	1977	rVV	59806	58096	4.24%	0.303%
70	13.727	1977	1979	1984	rVV2	49270	71763	5.24%	0.374%
71	13.768	1984	1986	1994	rVB2	60736	89514	6.54%	0.467%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.927	2005	2013	2016	rBV2	1085564	1274625	93.06%	6.648%
73	13.951	2016	2017	2024	rVB	303524	252996	18.47%	1.320%
74	14.033	2028	2031	2034	rVB	48746	38482	2.81%	0.201%
75	14.110	2042	2044	2047	rVB3	28110	27737	2.03%	0.145%
76	14.151	2047	2051	2054	rBV2	24595	30732	2.24%	0.160%
77	14.245	2064	2067	2070	rBV3	13042	16126	1.18%	0.084%
78	14.280	2070	2073	2075	rBV2	17673	17152	1.25%	0.089%
79	14.316	2075	2079	2081	rVV	58965	54585	3.99%	0.285%
80	14.345	2081	2084	2088	rVV2	35717	37079	2.71%	0.193%
81	14.404	2092	2094	2098	rVB4	17553	21494	1.57%	0.112%
82	14.610	2126	2129	2132	rBV3	24240	29060	2.12%	0.152%
83	14.692	2140	2143	2145	rBV4	19624	24238	1.77%	0.126%
84	14.727	2145	2149	2151	rVB4	15419	22254	1.62%	0.116%
85	14.774	2154	2157	2158	rBV3	18297	18581	1.36%	0.097%
86	14.857	2168	2171	2174	rBV4	22010	23323	1.70%	0.122%
87	14.945	2181	2186	2189	rBV	257606	383610	28.01%	2.001%
88	15.051	2200	2204	2209	rVB2	67188	82423	6.02%	0.430%
89	15.157	2215	2222	2224	rBV4	18816	45760	3.34%	0.239%
90	15.233	2231	2235	2241	rVB	149853	191109	13.95%	0.997%
91	15.298	2241	2246	2251	rVB	226336	274080	20.01%	1.430%
92	15.357	2251	2256	2259	rBV	646402	775336	56.61%	4.044%
93	15.386	2259	2261	2264	rVB	51226	47698	3.48%	0.249%
94	15.833	2331	2337	2342	rBV7	23968	57738	4.22%	0.301%
95	16.321	2417	2420	2426	rVB6	21114	33126	2.42%	0.173%
96	16.745	2487	2492	2501	rVB2	107486	209424	15.29%	1.092%
97	16.909	2513	2520	2526	rBV6	29527	81887	5.98%	0.427%
98	16.974	2528	2531	2536	rVV2	15789	20323	1.48%	0.106%
99	17.162	2557	2563	2573	rBV	86531	169084	12.35%	0.882%
100	17.386	2596	2601	2604	rVB2	16615	28351	2.07%	0.148%

Sum of corrected areas: 19171887

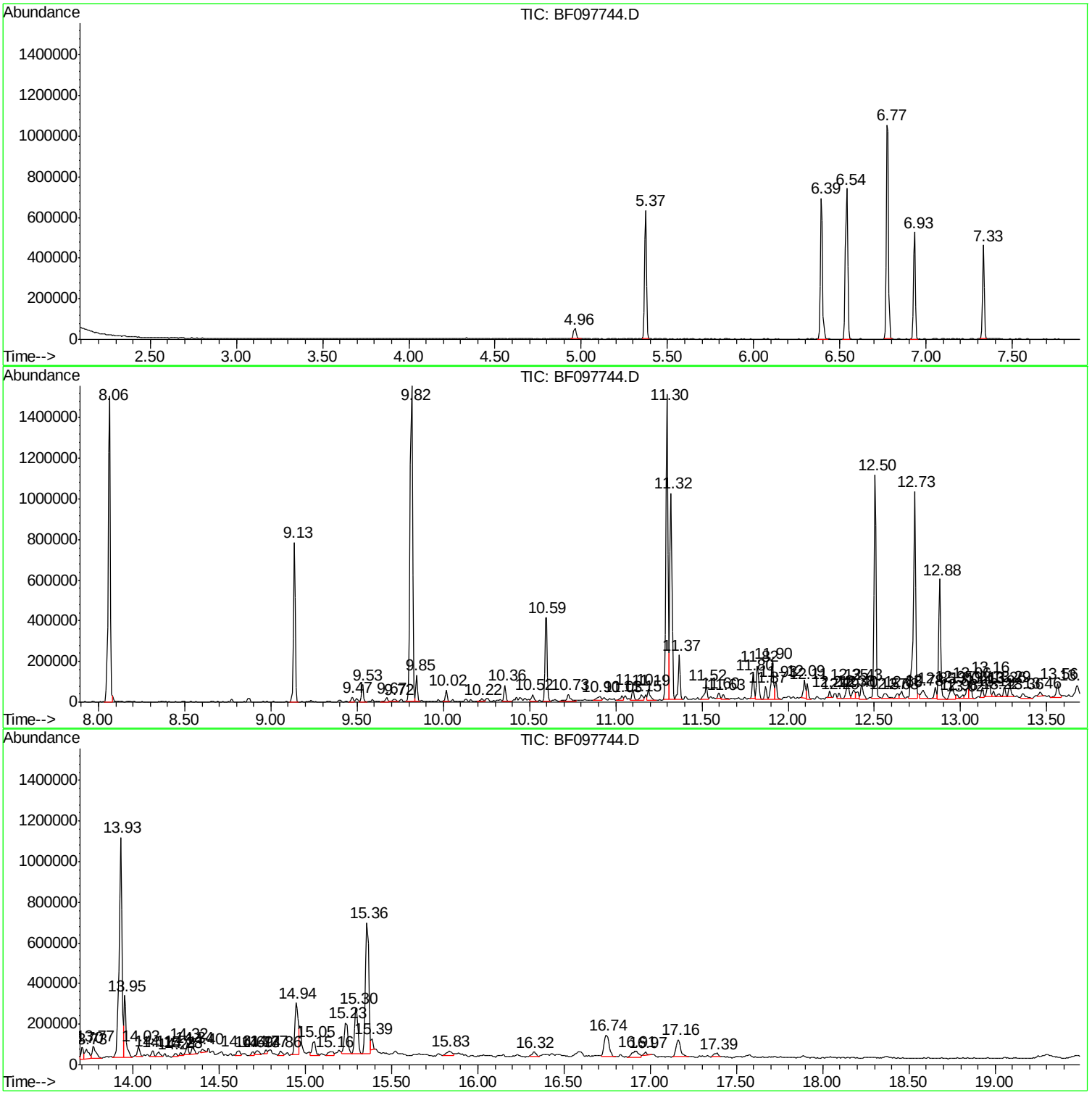
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

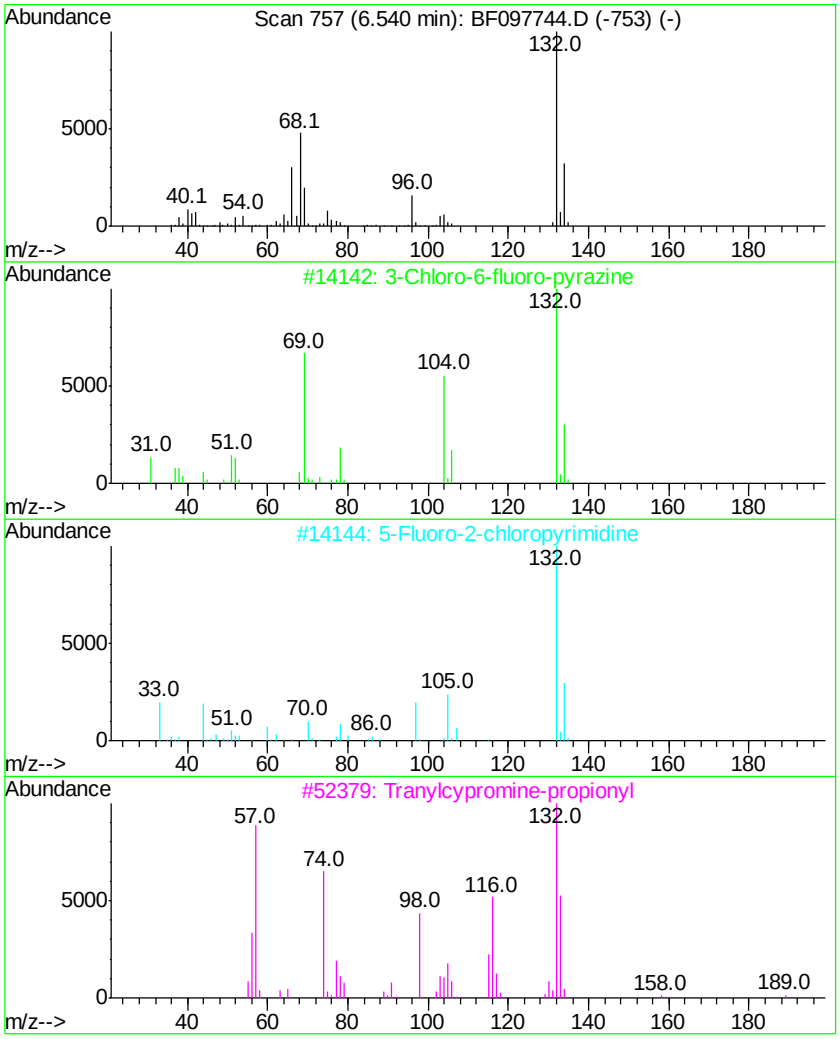
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

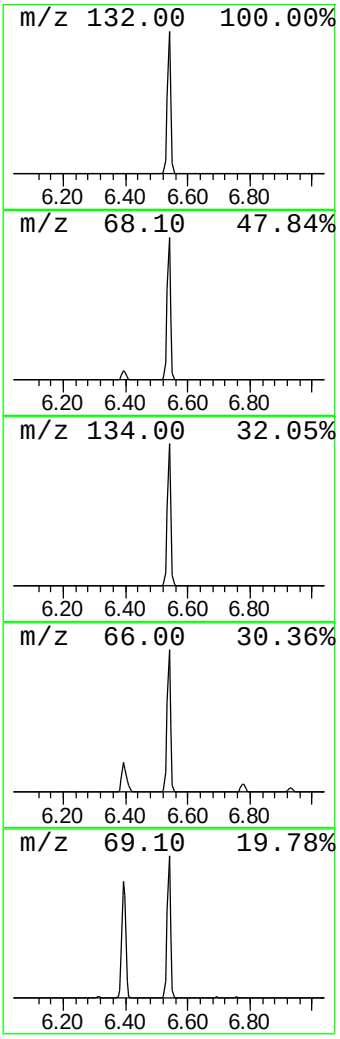
****

Peak Number 1 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	12.43 ng	589353	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

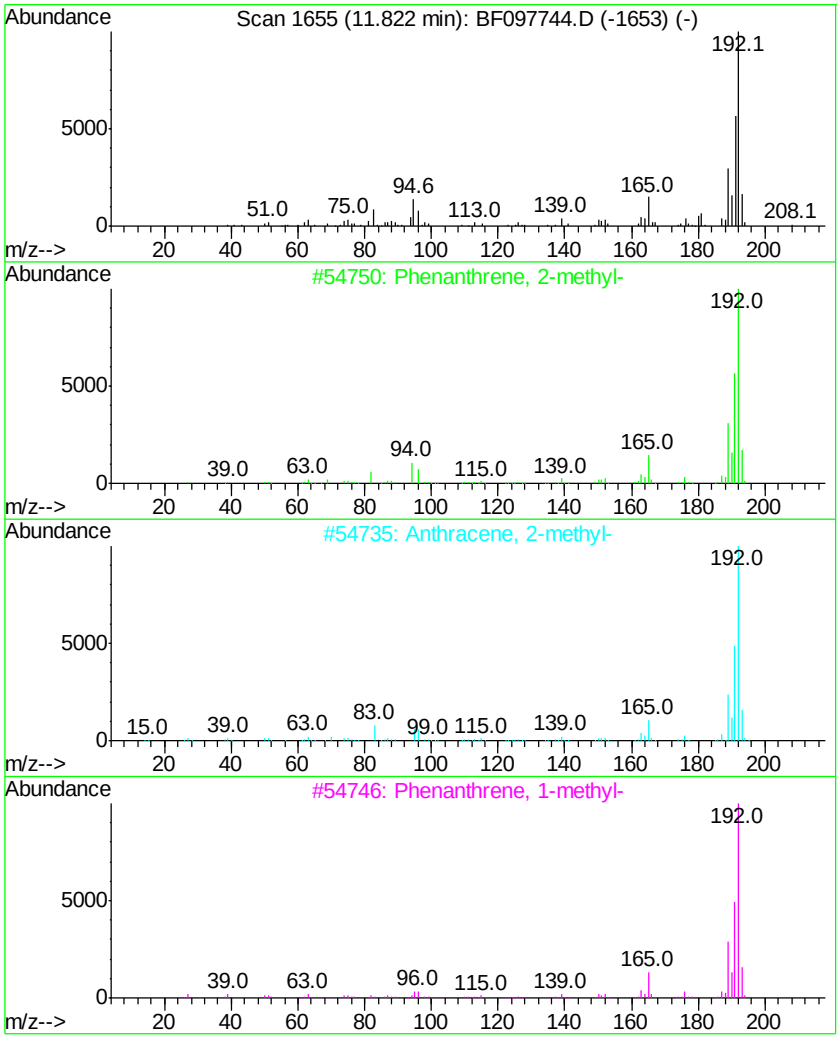
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

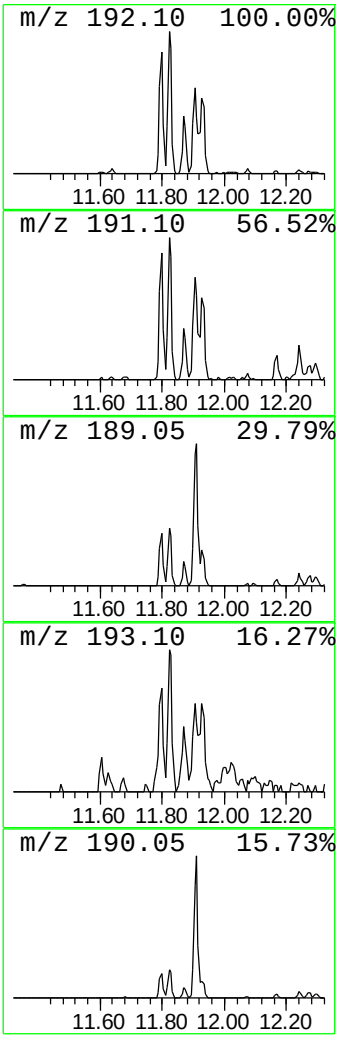
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.01 ng	137405	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

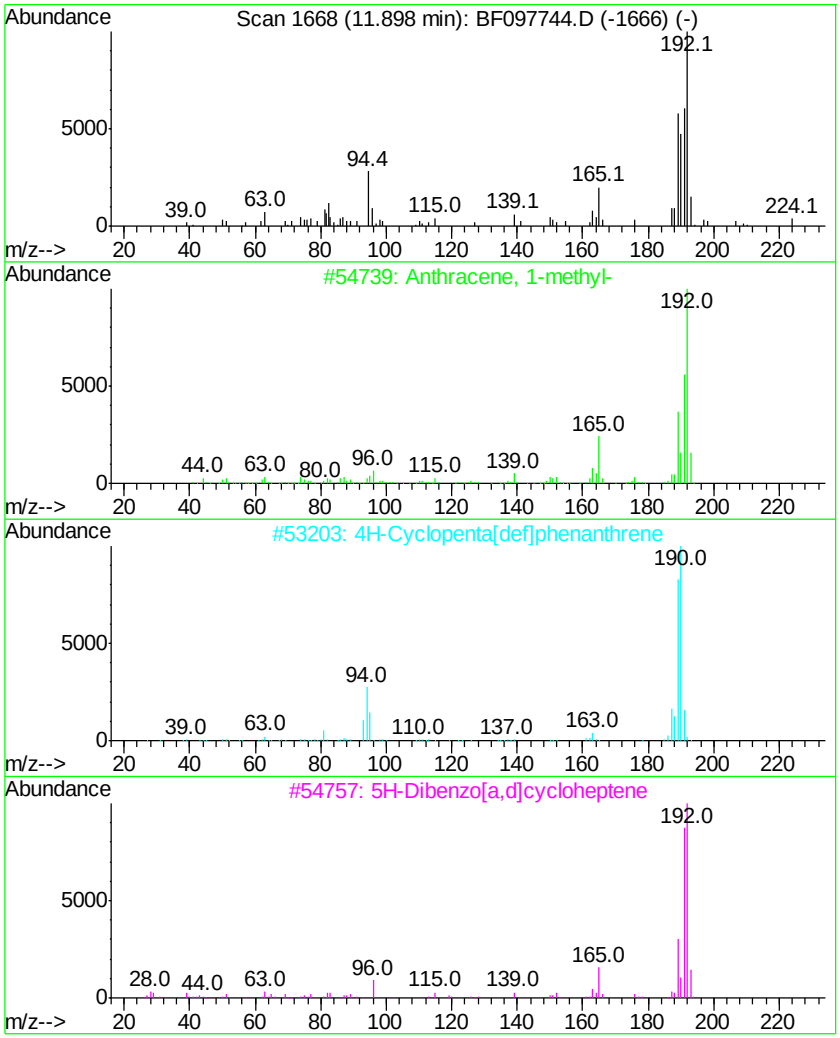
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

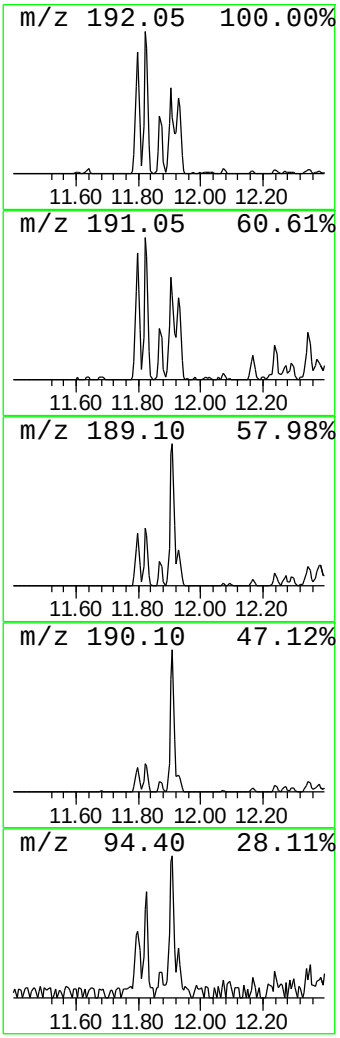
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.84 ng	194671	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

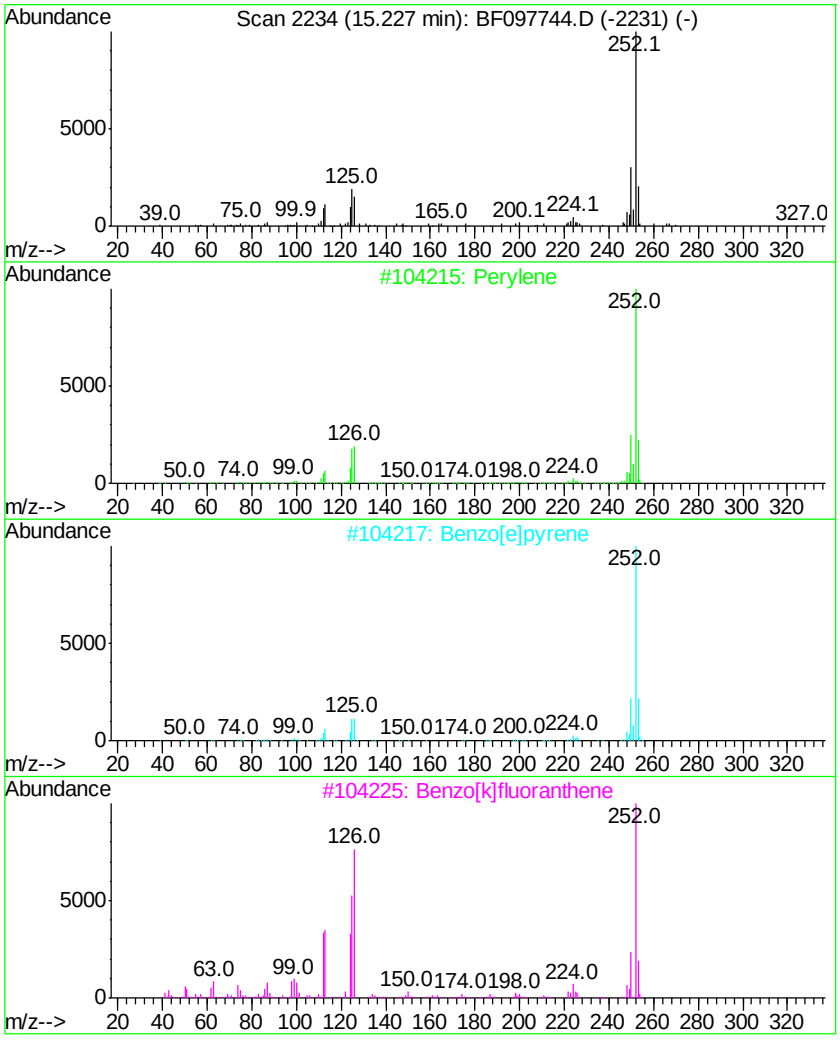
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

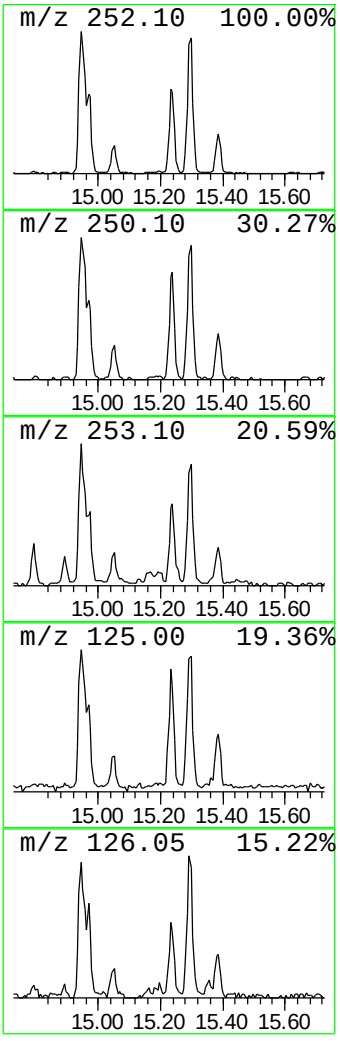
****

Peak Number 6 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	4.93 ng	191109	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

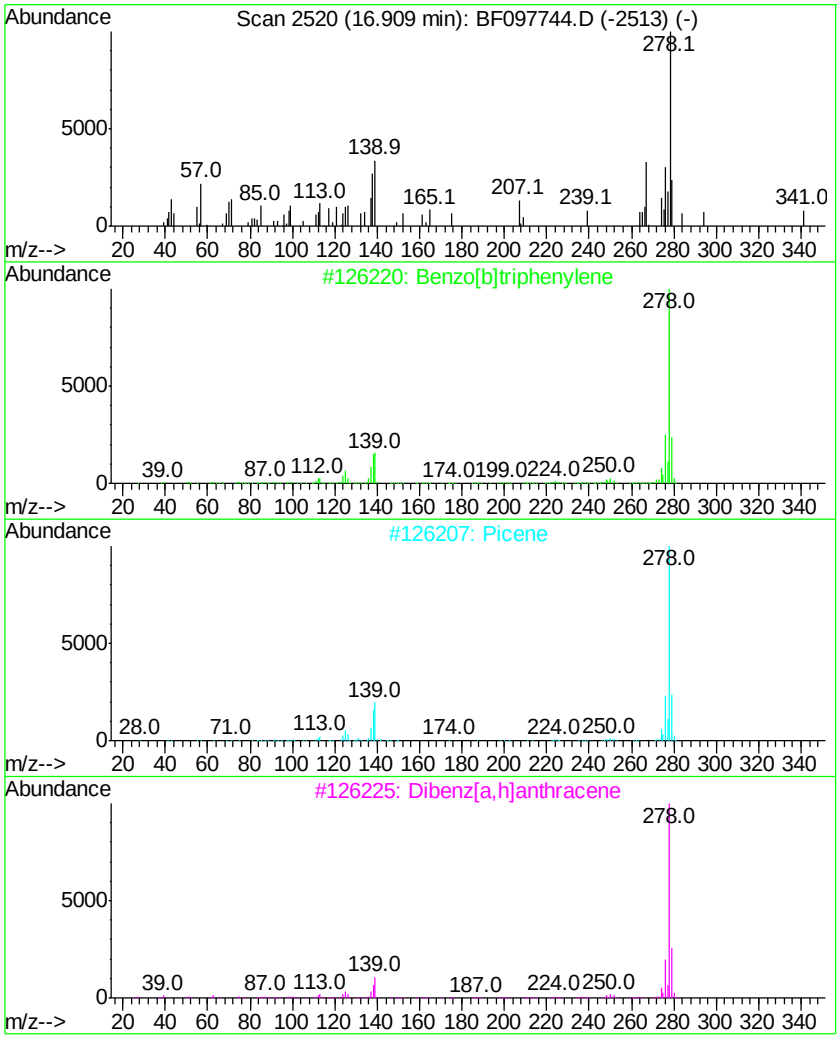
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

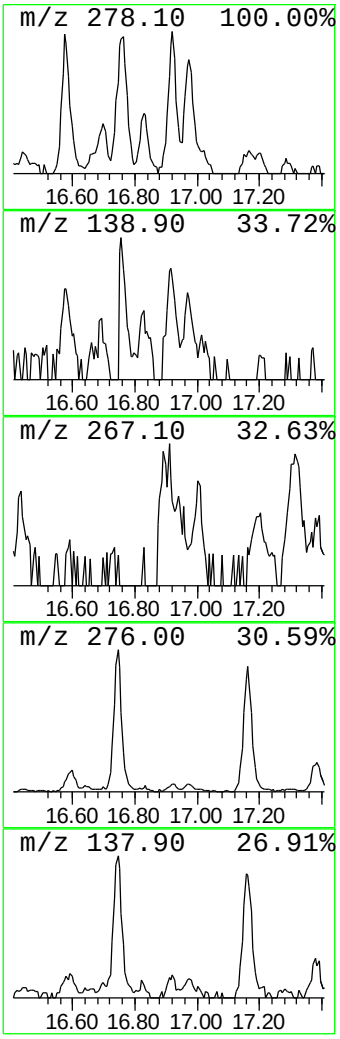
****

Peak Number 7 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	2.11 ng	81887	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
2	Picene	278	C22H14	000213-46-7	70
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	64
4	Dibenzo[b,h][1,6]naphthyridine, ...	278	C17H11ClN2	004240-91-9	43
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S11-WC-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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
unknown6.54	6.54	12.4	ng	589353	1	6.78	948491	20.0
Phenanthrene, 2-m...	11.82	2.0	ng	137405	4	11.30	1369610	20.0
Anthracene, 1-met...	11.90	2.8	ng	194671	4	11.30	1369610	20.0
Perylene	15.23	4.9	ng	191109	6	15.36	775336	20.0
Benzo[b]triphenylene	16.91	2.1	ng	81887	6	15.36	775336	20.0