LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

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-BF110817.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	5.469	572	575	585	rBB	131003	117415	16.74%	1.523%
2	6.481	744	747	754	rBV	135368	114015	16.25%	1.479%
3	6.622	768	771	775	rBV	147744	124927	17.81%	1.620%
4	6.857	807	811	815	rBV	405927	320804	45.73%	4.160%
5	7.010	834	837	841	rBV	116808	101611	14.49%	1.318%
6	7.416	903	906	912	rBB	84345	65956	9.40%	0.855%
7	8.139	1025	1029	1032	rBV	499141	398189	56.76%	5.164%
8	8.163	1032	1033	1036	rVB	53358	24638	3.51%	0.320%
9	8.851	1147	1150	1155	rBB	22108	17327	2.47%	0.225%
10	8.951	1163	1167	1171	rBB	21890	16511	2.35%	0.214%
11	9.210	1208	1211	1217	rBV	165415	125619	17.91%	1.629%
12	9.551	1266	1269	1272	rBV	15445	13377	1.91%	0.173%
13	9.604	1276	1278	1286	rBB	10225	8423	1.20%	0.109%
14	9.757	1300	1304	1307	rBV	18915	16626	2.37%	0.216%
15	9.892	1324	1327	1331	rBV	374679	345032	49.19%	4.474%
16	9.927	1331	1333	1336	rVB	56229	40432	5.76%	0.524%
17	10.098	1358	1362	1366	rBV2	24149	19879	2.83%	0.258%
18	10.439	1417	1420	1426	rVB	49389	41875	5.97%	0.543%
19	10.598	1445	1447	1450	rVB	9277	7565	1.08%	0.098%
20	10.680	1458	1461	1466	rVB	70120	59880	8.54%	0.777%
21	10.986	1508	1513	1516	rBB2	8151	9461	1.35%	0.123%
22	11.186	1545	1547	1551	rVV	14512	12073	1.72%	0.157%
23	11.280	1558	1563	1568	rVB	15724	14756	2.10%	0.191%
24	11.380	1577	1580	1582	rBV	381006	318971	45.47%	4.136%
25	11.404	1582	1584	1588	rVV	417238	346765	49.43%	4.497%
26	11.457	1588	1593	1596	rVB	96860	79388	11.32%	1.030%
27	11.610	1612	1619	1624	rBV2	37318	40395	5.76%	0.524%
28	11.880	1662	1665	1668	rBV	42520	43855	6.25%	0.569%
29	11.910	1668	1670	1674	rVV	58384	47989	6.84%	0.622%
30	11.957	1675	1678	1681	rVV	22467	18679	2.66%	0.242%
31	11.998	1681	1685	1687	rVV2	67813	76202	10.86%	0.988%
32	12.016	1687	1688	1693	rVB	29065	20484	2.92%	0.266%
33	12.174	1713	1715	1718	rBV	27625	22936	3.27%	0.297%
34	12.204	1718	1720	1725	rVB	28180	23616	3.37%	0.306%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.427	1755	1758	1762	rBV	16412	23253	3.31%	0.302%
36	12.474	1762	1766	1767	rVV2	8206	11667	1.66%	0.151%
37	12.521	1771	1774	1779	rBV2	19870	22918	3.27%	0.297%
38	12.598	1783	1787	1790	rBV	592817	482231	68.74%	6.254%
39	12.657	1795	1797	1800	rVV	12261	9327	1.33%	0.121%
40	12.692	1800	1803	1805	rVV	14483	14410	2.05%	0.187%
41	12.745	1805	1812	1815	rVV3	17314	30575	4.36%	0.397%
42	12.827	1819	1826	1831	rVV	482615	509061	72.57%	6.602%
43	12.874	1831	1834	1838	rVB2	20733	23299	3.32%	0.302%
44	12.963	1846	1849	1851	rVB	130287	97437	13.89%	1.264%
45	12.980	1851	1852	1856	rVB	28265	21777	3.10%	0.282%
46	13.045	1858	1863	1866	rBV2	24906	42208	6.02%	0.547%
47	13.074	1866	1868	1870	rBV2	10603	8783	1.25%	0.114%
48	13.127	1873	1877	1878	rBV3	22826	27793	3.96%	0.360%
49	13.151	1878	1881	1884	rVB	61987	60938	8.69%	0.790%
50	13.215	1889	1892	1895	rBV	43253	36439	5.19%	0.473%
51	13.257	1895	1899	1901	rBV2	37447	43057	6.14%	0.558%
52	13.280	1901	1903	1906	rVB2	15050	13055	1.86%	0.169%
53	13.315	1906	1909	1911	rBV3	8347	8109	1.16%	0.105%
54	13.351	1911	1915	1917	rVB	19041	20609	2.94%	0.267%
55	13.380	1917	1920	1923	rBV2	21572	23603	3.36%	0.306%
56	13.468	1932	1935	1936	rVB3	7798	7818	1.11%	0.101%
57	13.533	1942	1946	1948	rBV3	8956	13181	1.88%	0.171%
58	13.574	1948	1953	1956	rVV6	12764	17935	2.56%	0.233%
59	13.633	1960	1963	1965	rBV2	10320	12118	1.73%	0.157%
60	13.657	1965	1967	1971	rVB	37548	36056	5.14%	0.468%
61	13.768	1982	1986	1989	rBV2	48815	67951	9.69%	0.881%
62	13.798	1989	1991	1993	rVV	37662	31530	4.49%	0.409%
63	13.821	1993	1995	1999	rVV2	29935	43495	6.20%	0.564%
64	13.868	2000	2003	2006	rVB	42015	40889	5.83%	0.530%
65	13.992	2021	2024	2025	rBV	23751	24694	3.52%	0.320%
66	14.021	2025	2029	2032	rVV2	537511	701488	100.00%	9.097%
67	14.051	2032	2034	2041	rVB	229857	202404	28.85%	2.625%
68	14.127	2044	2047	2050	rVV	58383	51301	7.31%	0.665%
69	14.168	2051	2054	2057	rVV2	28525	38069	5.43%	0.494%
70	14.210	2059	2061	2063	rVV	24460	25470	3.63%	0.330%
71	14.251	2063	2068	2071	rVV3	28971	46524	6.63%	0.603%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.274	2071	2072	2075	rVB3	9498	8581	1.22%	0.111%
73	14.339	2080	2083	2085	rBV3	10253	12237	1.74%	0.159%
74	14.368	2086	2088	2090	rBV	10681	7412	1.06%	0.096%
75	14.410	2090	2095	2097	rVB	43731	47747	6.81%	0.619%
76	14.439	2097	2100	2104	rBV3	23482	25187	3.59%	0.327%
77	14.474	2104	2106	2107	rBV2	14673	11693	1.67%	0.152%
78	14.504	2109	2111	2113	rVV3	23226	21410	3.05%	0.278%
79	14.533	2113	2116	2118	rVV2	31033	31765	4.53%	0.412%
80	14.551	2118	2119	2122	rVV	27275	25474	3.63%	0.330%
81	14.604	2123	2128	2135	rVB6	33257	80662	11.50%	1.046%
82	14.751	2150	2153	2155	rBV4	8387	12953	1.85%	0.168%
83	14.804	2158	2162	2164	rBV5	18489	26720	3.81%	0.347%
84	14.898	2176	2178	2182	rBV3	16800	14551	2.07%	0.189%
85	15.062	2201	2206	2209	rBV	200576	289952	41.33%	3.760%
86	15.168	2221	2224	2228	rVB	35536	42286	6.03%	0.548%
87	15.257	2237	2239	2241	rBV3	12664	13817	1.97%	0.179%
88	15.327	2246	2251	2253	rVV6	14951	25799	3.68%	0.335%
89	15.368	2253	2258	2264	rVB2	99746	136311	19.43%	1.768%
90	15.433	2264	2269	2274	rBV	148436	194120	27.67%	2.517%
91	15.498	2274	2280	2283	rVV	255626	363718	51.85%	4.717%
92	15.527	2283	2285	2291	rVB2	52666	67375	9.60%	0.874%
93	16.056	2372	2375	2381	rVB8	14431	22086	3.15%	0.286%
94	16.204	2398	2400	2403	rVB4	9221	9845	1.40%	0.128%
95	16.415	2434	2436	2440	rBV5	8412	10867	1.55%	0.141%
96	16.968	2524	2530	2537	rBV2	54981	102246	14.58%	1.326%
97	17.145	2556	2560	2564	rBV4	12200	22564	3.22%	0.293%
98	17.203	2565	2570	2574	rVB4	10183	19947	2.84%	0.259%
99	17.415	2600	2606	2613	rBV2	40355	87911	12.53%	1.140%
100	17.650	2643	2646	2653	rVB4	13900	28779	4.10%	0.373%

Sum of corrected areas: 7711158

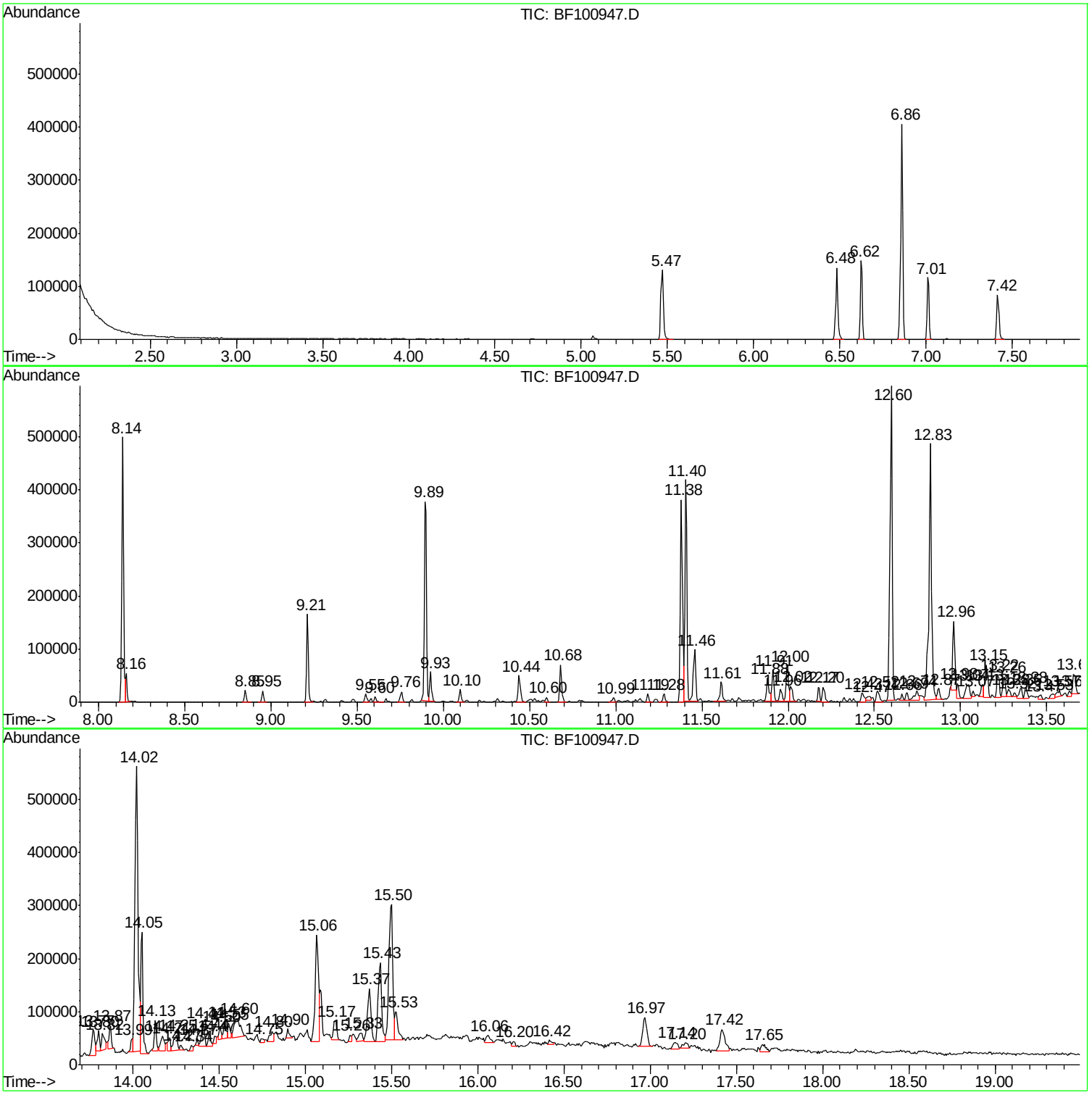
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

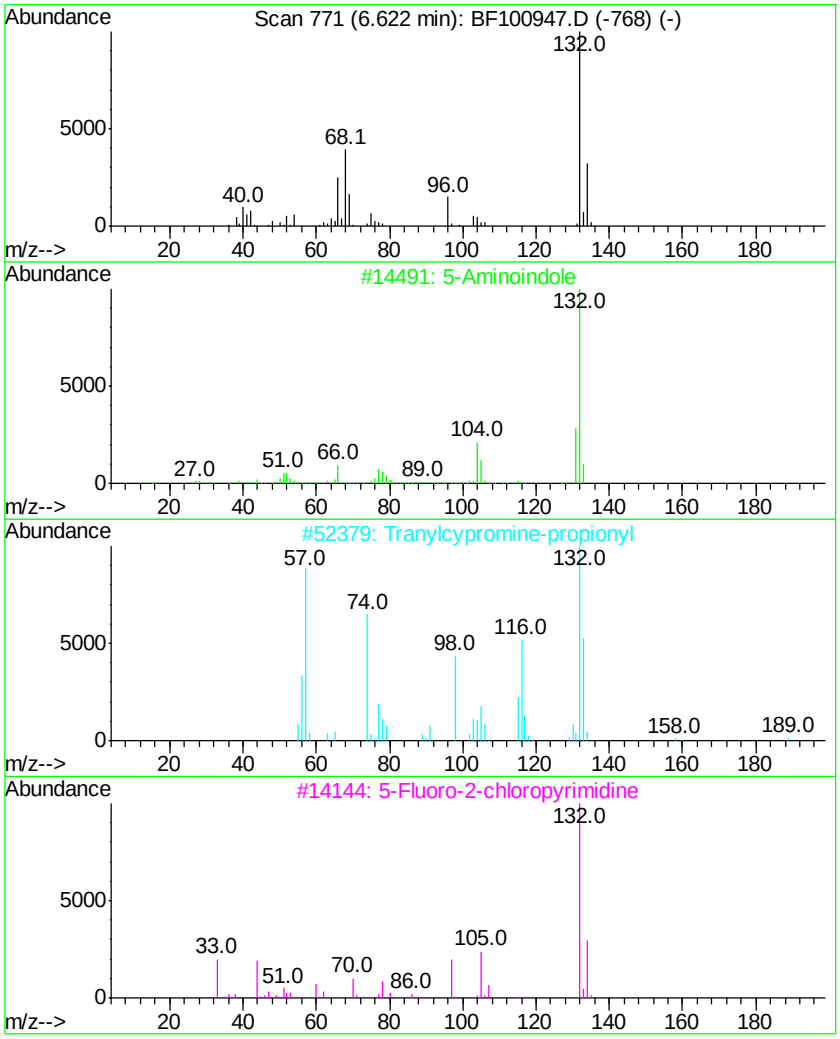
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

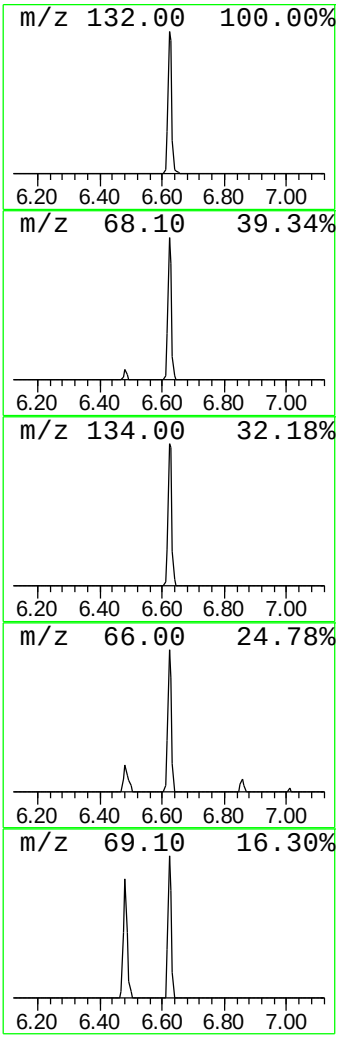
****

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	7.79 ng	124927	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	10
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

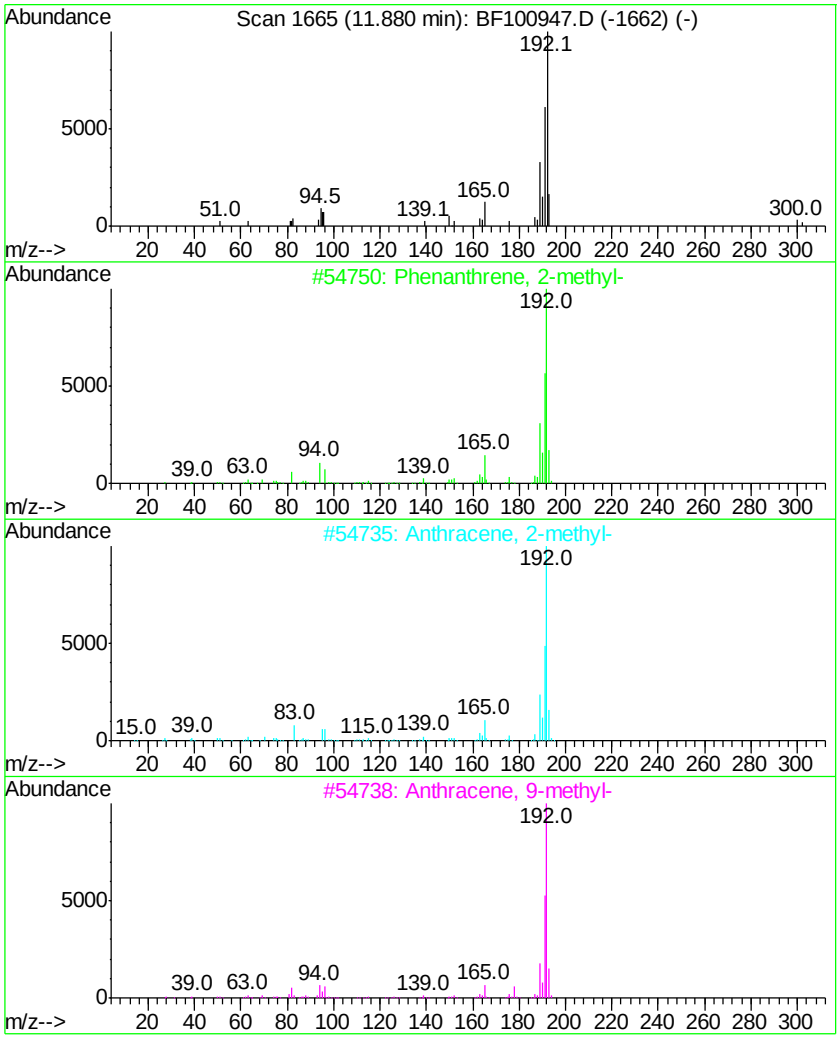
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

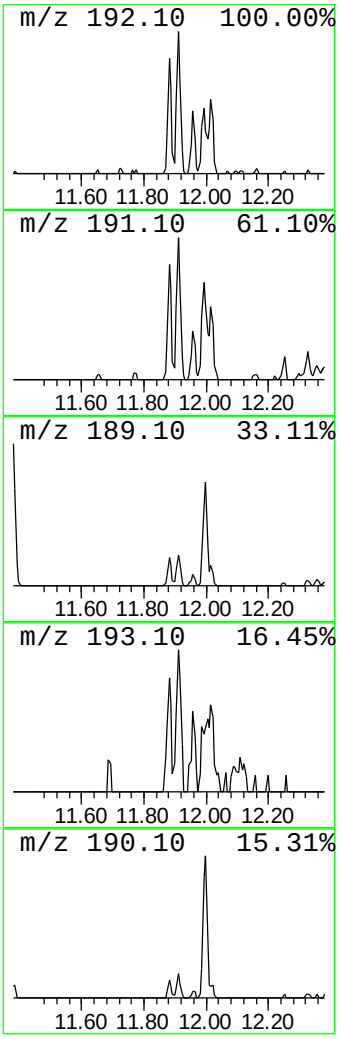
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.75 ng	43855	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

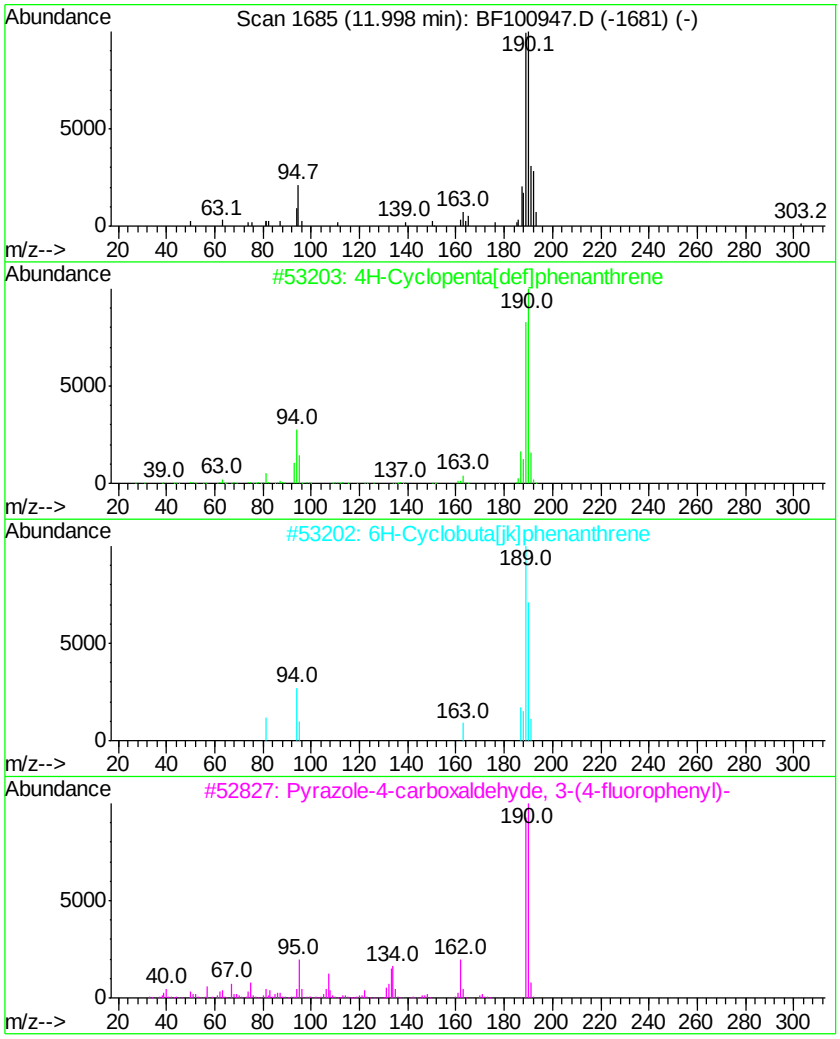
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

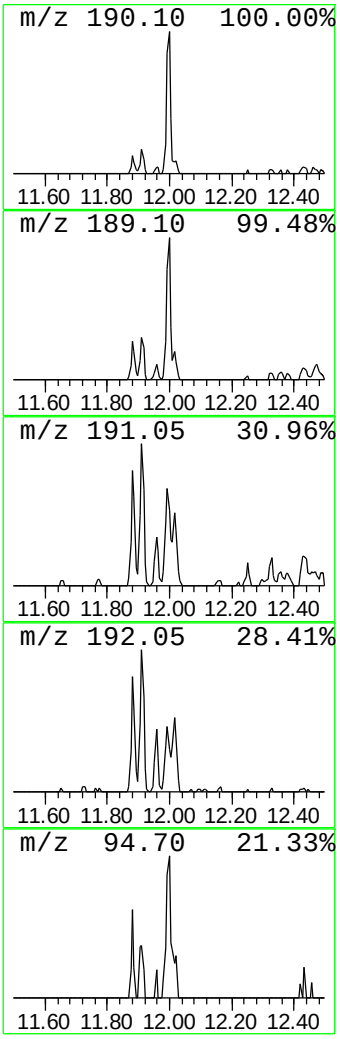
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.78 ng	76202	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	23
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

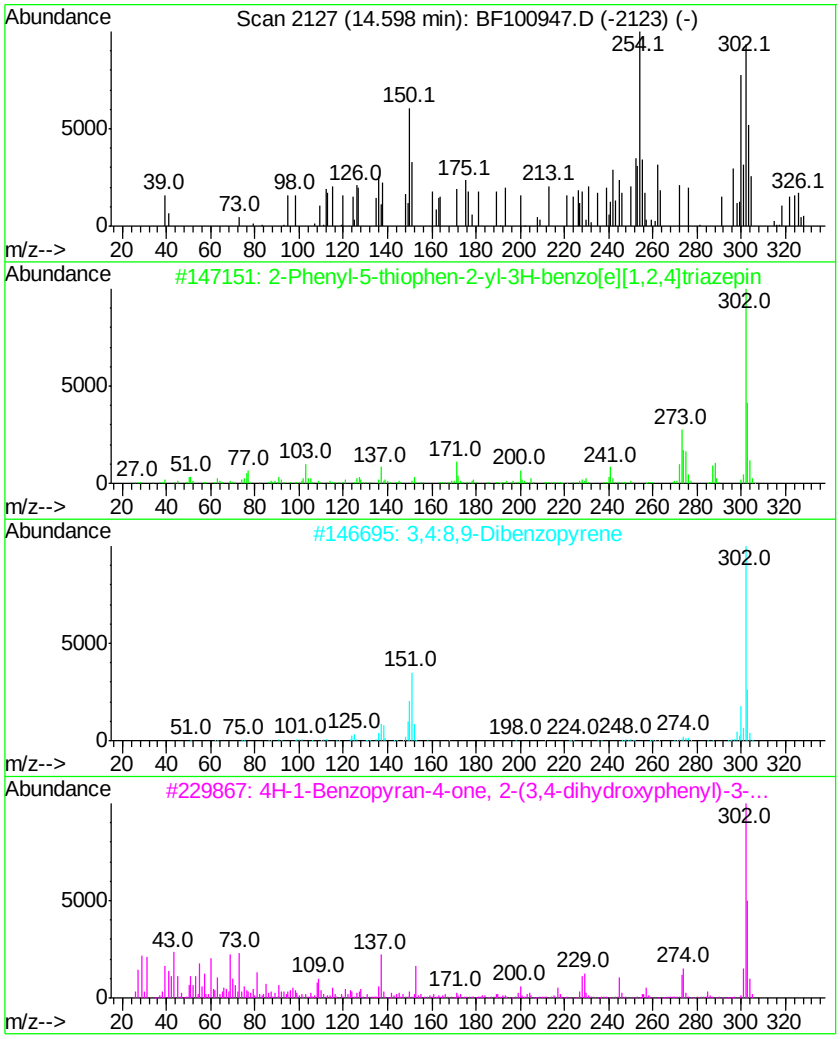
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

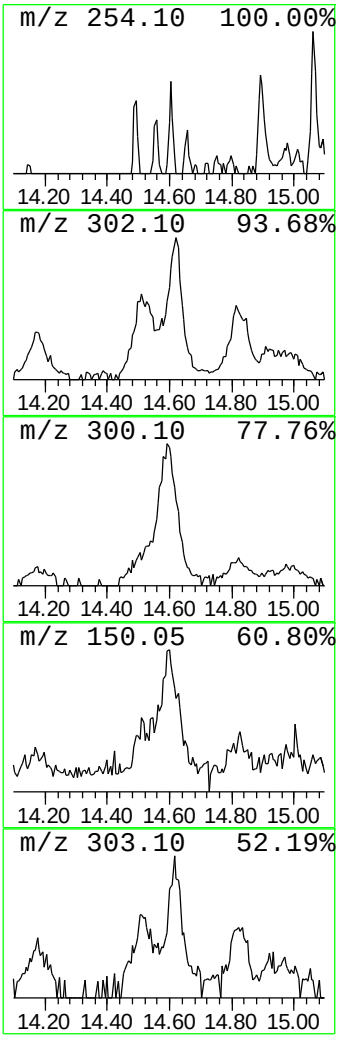
****

Peak Number 6 unknown14.60 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	2.30 ng	80662	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenyl-5-thiophen-2-yl-3H-benz...	303	C18H13N3S	1000310-46-7	25
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	25
3	4H-1-Benzopyran-4-one, 2-(3,4-di...	464	C21H20O12	000482-36-0	22
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	22
5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

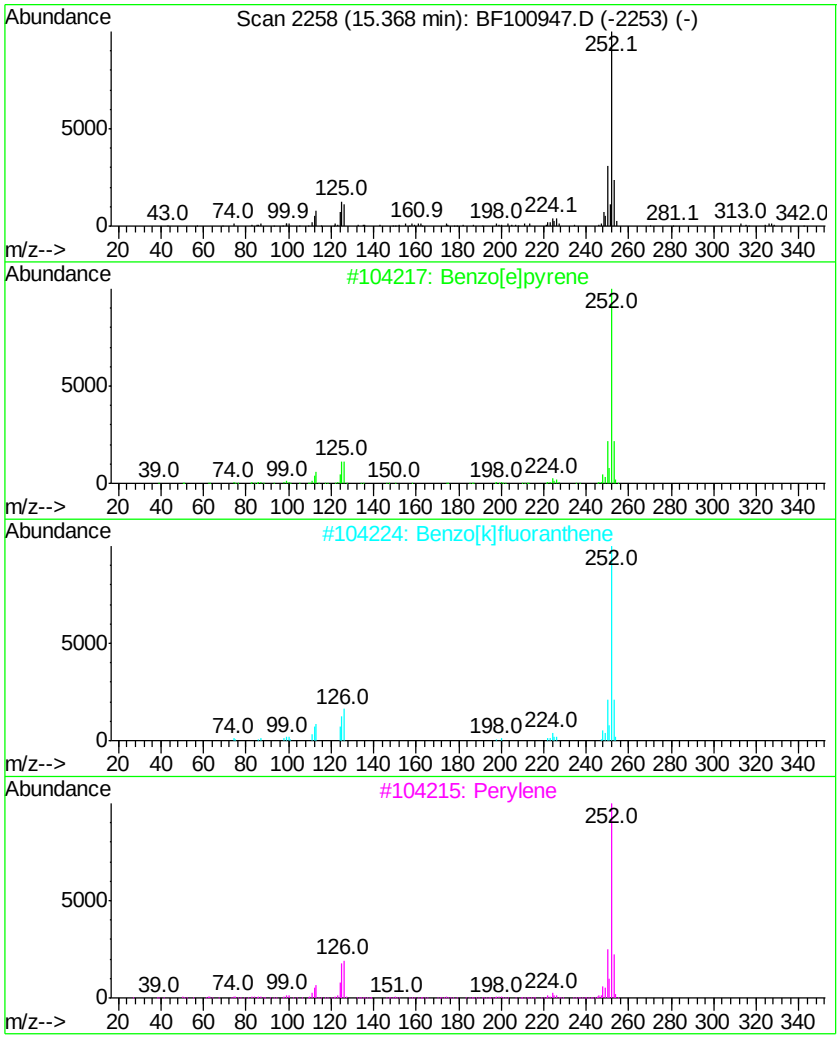
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

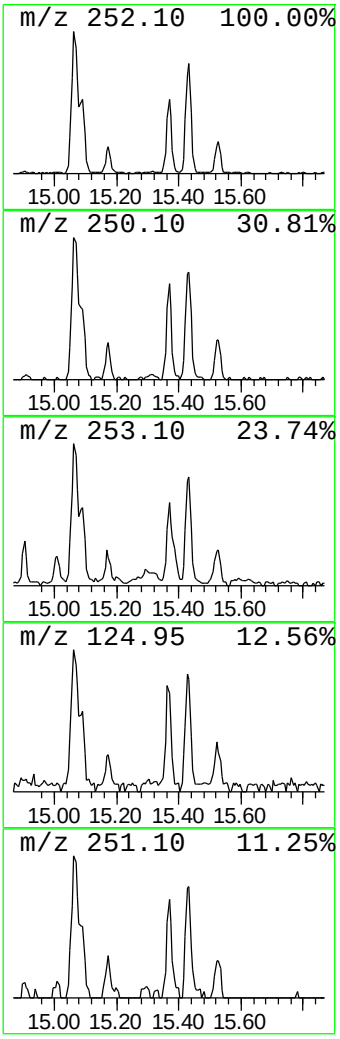
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	7.50 ng	136311	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100947.D
Acq On : 28 Nov 2017 21:14
Operator : SJ/JU
Sample : I6610-08 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
unknown6.62	6.62	7.8	ng	124927	1	6.86	320804	20.0
Phenanthrene, 2-m...	11.88	2.8	ng	43855	4	11.38	318971	20.0
4H-Cyclopenta[def...	12.00	4.8	ng	76202	4	11.38	318971	20.0
unknown14.60	14.60	2.3	ng	80662	5	14.02	701488	20.0
Benzo[e]pyrene	15.37	7.5	ng	136311	6	15.50	363718	20.0