LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

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-BF010918.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	4.904	475	479	485	rVB	81567	82556	4.86%	0.290%
2	5.322	546	550	553	rBV	1279765	1108881	65.33%	3.896%
3	6.263	704	710	714	rBV	14745	26473	1.56%	0.093%
4	6.351	721	725	734	rVB	1356872	1123170	66.17%	3.946%
5	6.492	745	749	752	rBV	1232114	1150318	67.77%	4.041%
6	6.728	785	789	792	rBV	1595258	1308638	77.10%	4.598%
7	6.881	811	815	818	rBV	1111031	883340	52.04%	3.103%
8	7.287	880	884	887	rVB	857385	641924	37.82%	2.255%
9	8.010	1000	1007	1009	rBV	1992901	1673049	98.57%	5.878%
10	8.028	1009	1010	1013	rVB	78485	47312	2.79%	0.166%
11	8.722	1125	1128	1132	rVB	78521	61249	3.61%	0.215%
12	8.816	1140	1144	1149	rVB	69655	62875	3.70%	0.221%
13	9.086	1186	1190	1193	rBV	1241892	1087884	64.09%	3.822%
14	9.169	1201	1204	1205	rBV	36435	29315	1.73%	0.103%
15	9.181	1205	1206	1210	rVB	23362	19229	1.13%	0.068%
16	9.351	1230	1235	1238	rBV2	26993	32715	1.93%	0.115%
17	9.422	1243	1247	1249	rBV	54680	51280	3.02%	0.180%
18	9.445	1249	1251	1253	rVV	37567	27272	1.61%	0.096%
19	9.480	1253	1257	1260	rVV	136545	133532	7.87%	0.469%
20	9.539	1264	1267	1271	rVB4	21132	27361	1.61%	0.096%
21	9.622	1278	1281	1284	rBV	71971	61787	3.64%	0.217%
22	9.698	1291	1294	1298	rVB	61292	51320	3.02%	0.180%
23	9.763	1301	1305	1308	rVV	1720943	1500904	88.43%	5.273%
24	9.792	1308	1310	1314	rVB	316515	231736	13.65%	0.814%
25	9.869	1319	1323	1326	rVB5	16673	22554	1.33%	0.079%
26	9.922	1326	1332	1336	rBV6	22651	36496	2.15%	0.128%
27	9.963	1336	1339	1344	rBV	168917	143427	8.45%	0.504%
28	10.169	1370	1374	1376	rBV3	22955	26874	1.58%	0.094%
29	10.192	1376	1378	1381	rVB	56439	50102	2.95%	0.176%
30	10.304	1394	1397	1404	rVB	278579	251439	14.81%	0.883%
31	10.392	1410	1412	1414	rBV2	29203	22979	1.35%	0.081%
32	10.416	1414	1416	1418	rVV2	31041	29143	1.72%	0.102%
33	10.463	1422	1424	1428	rVB	53301	38708	2.28%	0.136%
34	10.545	1434	1438	1442	rBV	618213	541926	31.93%	1.904%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.669	1456	1459	1466	rVB	86724	105250	6.20%	0.370%
36	10.851	1484	1490	1493	rBV4	40459	62006	3.65%	0.218%
37	10.880	1493	1495	1498	rVV4	25860	26482	1.56%	0.093%
38	10.939	1501	1505	1508	rVB4	15148	20185	1.19%	0.071%
39	11.004	1513	1516	1518	rVV4	30962	32869	1.94%	0.115%
40	11.045	1521	1523	1527	rVB	39673	36725	2.16%	0.129%
41	11.092	1528	1531	1533	rVV2	26230	28263	1.67%	0.099%
42	11.116	1533	1535	1537	rVV2	43019	42073	2.48%	0.148%
43	11.139	1537	1539	1545	rVB	123373	105036	6.19%	0.369%
44	11.245	1553	1557	1559	rBV	1433251	1311737	77.28%	4.609%
45	11.269	1559	1561	1564	rVV	1611884	1195901	70.46%	4.202%
46	11.316	1564	1569	1572	rVV	422858	391028	23.04%	1.374%
47	11.351	1572	1575	1579	rVB	45692	44600	2.63%	0.157%
48	11.474	1590	1596	1599	rBV	234311	219952	12.96%	0.773%
49	11.539	1605	1607	1610	rBV2	45959	36635	2.16%	0.129%
50	11.574	1610	1613	1617	rVB3	26405	26715	1.57%	0.094%
51	11.657	1623	1627	1631	rVB2	21968	36423	2.15%	0.128%
52	11.745	1636	1642	1644	rVV	130939	123811	7.29%	0.435%
53	11.769	1644	1646	1650	rVV	203590	192444	11.34%	0.676%
54	11.816	1651	1654	1657	rVV	72767	64396	3.79%	0.226%
55	11.857	1657	1661	1663	rVV	278945	280667	16.54%	0.986%
56	11.874	1663	1664	1668	rVB	83394	64059	3.77%	0.225%
57	11.922	1669	1672	1674	rBV2	22578	22658	1.33%	0.080%
58	11.951	1674	1677	1678	rVV	32647	26087	1.54%	0.092%
59	11.974	1678	1681	1684	rVB4	18815	22108	1.30%	0.078%
60	12.039	1689	1692	1694	rVV	111220	102957	6.07%	0.362%
61	12.063	1694	1696	1699	rVB	105467	87899	5.18%	0.309%
62	12.186	1715	1717	1720	rBV2	28535	24591	1.45%	0.086%
63	12.221	1720	1723	1724	rBV2	29828	24087	1.42%	0.085%
64	12.239	1724	1726	1730	rVB2	25561	25913	1.53%	0.091%
65	12.292	1732	1735	1738	rBV2	82632	78221	4.61%	0.275%
66	12.327	1738	1741	1743	rVV3	55702	66976	3.95%	0.235%
67	12.374	1746	1749	1754	rVB2	79507	83797	4.94%	0.294%
68	12.457	1759	1763	1766	rVV	1692660	1481649	87.29%	5.206%
69	12.510	1766	1772	1776	rBV3	31271	38316	2.26%	0.135%
70	12.545	1776	1778	1780	rBV	20301	22588	1.33%	0.079%
71	12.604	1786	1788	1793	rVB2	56735	61066	3.60%	0.215%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.680	1795	1801	1805	rBV	1344234	1514324	89.22%	5.320%
73	12.733	1807	1810	1816	rVB2	51937	63429	3.74%	0.223%
74	12.798	1818	1821	1823	rBV	77868	74462	4.39%	0.262%
75	12.827	1823	1826	1832	rVB2	927197	884896	52.13%	3.109%
76	12.904	1833	1839	1842	rBV2	79818	143330	8.44%	0.504%
77	12.933	1842	1844	1846	rVB	41969	32373	1.91%	0.114%
78	12.986	1849	1853	1854	rVV4	60226	71888	4.24%	0.253%
79	13.010	1854	1857	1860	rVB	228864	200631	11.82%	0.705%
80	13.039	1860	1862	1865	rBV3	22740	26386	1.55%	0.093%
81	13.074	1865	1868	1871	rBV2	201075	168050	9.90%	0.590%
82	13.110	1871	1874	1877	rBV	130709	143765	8.47%	0.505%
83	13.139	1877	1879	1881	rVB	42197	32196	1.90%	0.113%
84	13.204	1888	1890	1892	rVB	72150	54162	3.19%	0.190%
85	13.233	1892	1895	1899	rBV2	82201	88291	5.20%	0.310%
86	13.516	1940	1943	1947	rVB	73329	82286	4.85%	0.289%
87	13.551	1947	1949	1952	rBV	37276	34198	2.01%	0.120%
88	13.627	1957	1962	1965	rBV3	127468	187736	11.06%	0.660%
89	13.657	1965	1967	1969	rVV	101122	88820	5.23%	0.312%
90	13.674	1969	1970	1972	rVV	85466	76961	4.53%	0.270%
91	13.727	1976	1979	1983	rVB2	182874	199483	11.75%	0.701%
92	13.880	2000	2005	2007	rBV2	1265573	1697338	100.00%	5.963%
93	13.904	2007	2009	2012	rVB	624603	470435	27.72%	1.653%
94	13.980	2020	2022	2025	rBV	145321	108820	6.41%	0.382%
95	14.892	2174	2177	2180	rBV	555051	789543	46.52%	2.774%
96	15.180	2223	2226	2232	rVB	294688	356698	21.02%	1.253%
97	15.239	2233	2236	2240	rBV	453723	494391	29.13%	1.737%
98	15.304	2243	2247	2250	rBV	646741	807499	47.57%	2.837%
99	16.680	2477	2481	2489	rVB2	187284	366579	21.60%	1.288%

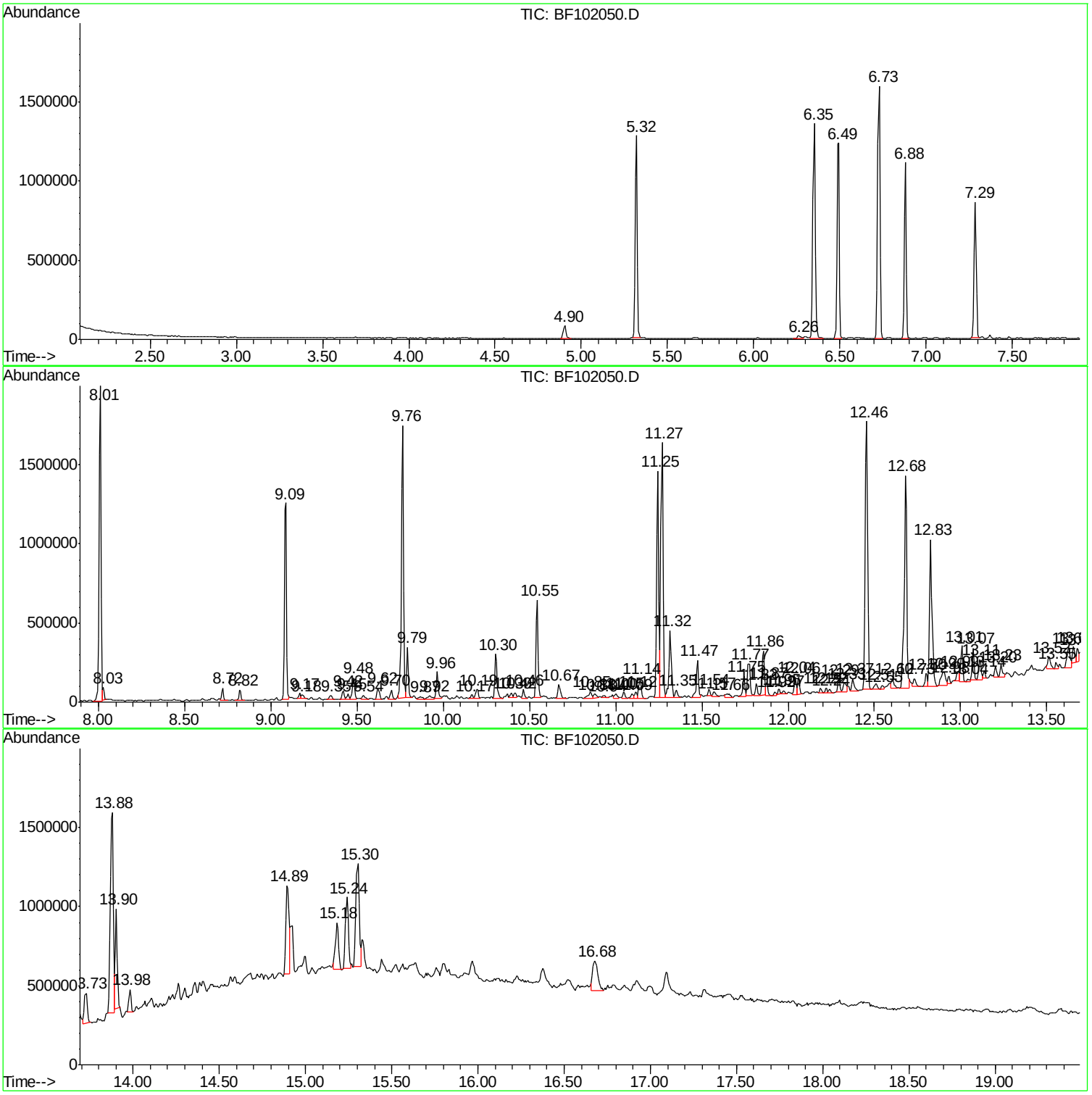
Sum of corrected areas: 28462908

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

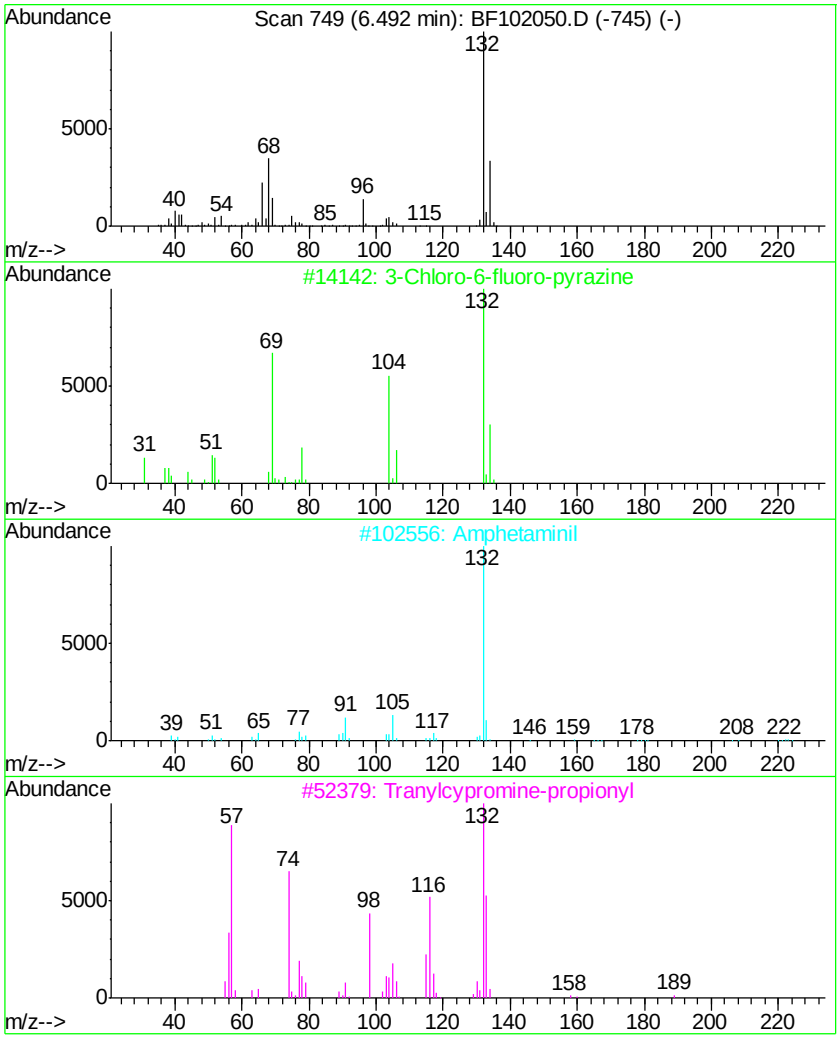
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

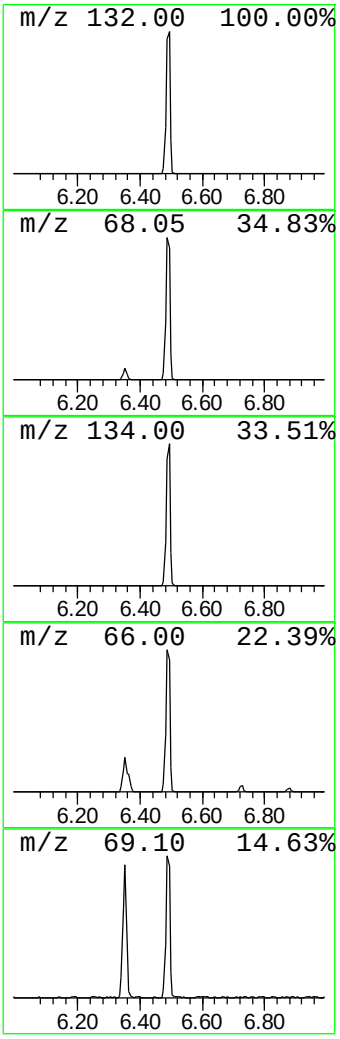
****

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	17.58 ng	1150320	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Amphetaminil	250	C17H18N2	017590-01-1	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	12





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

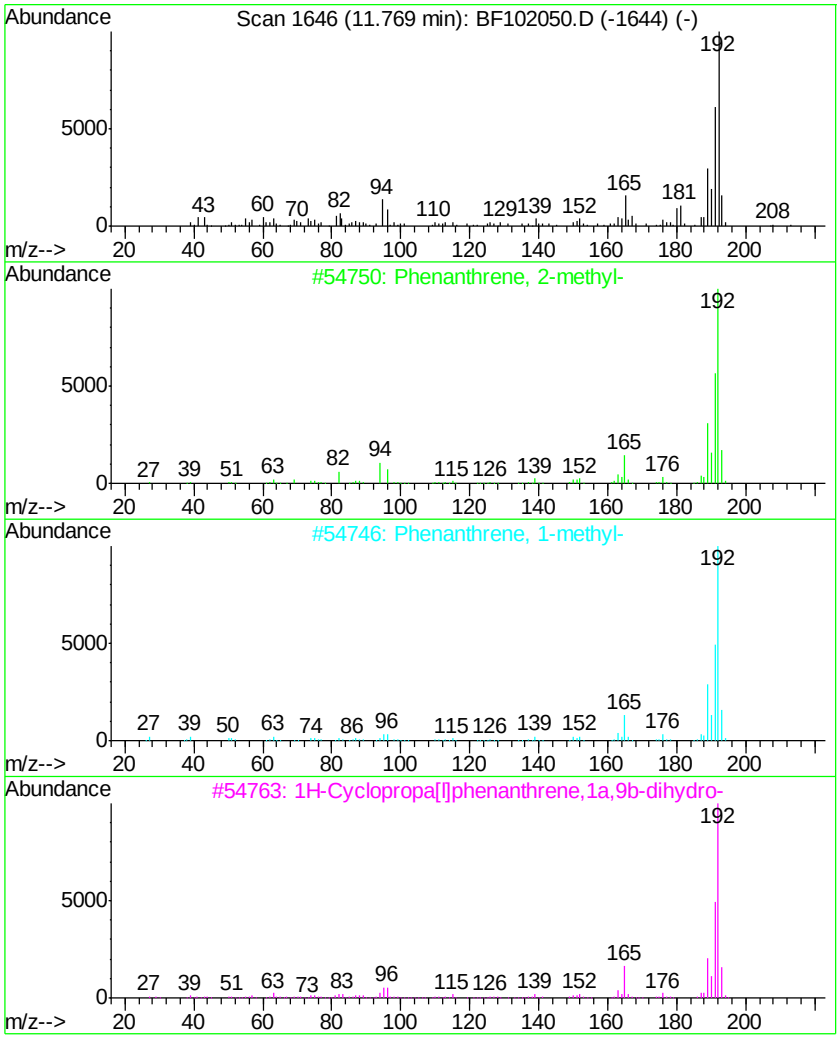
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

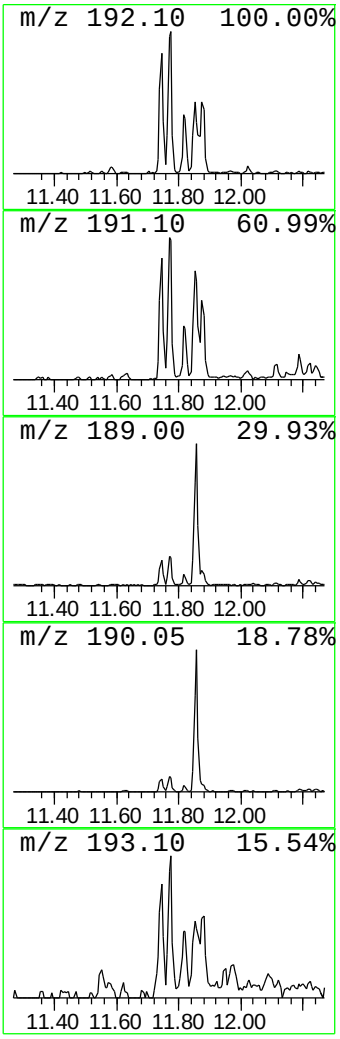
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.93 ng	192444	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	92





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

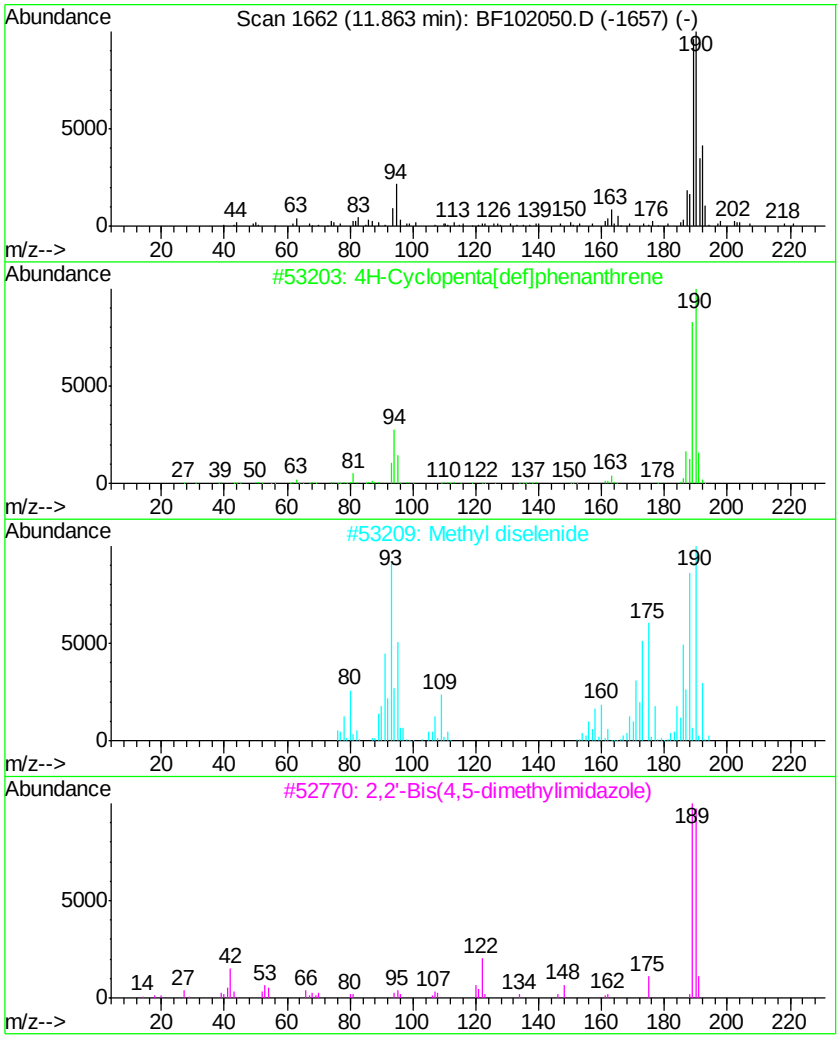
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

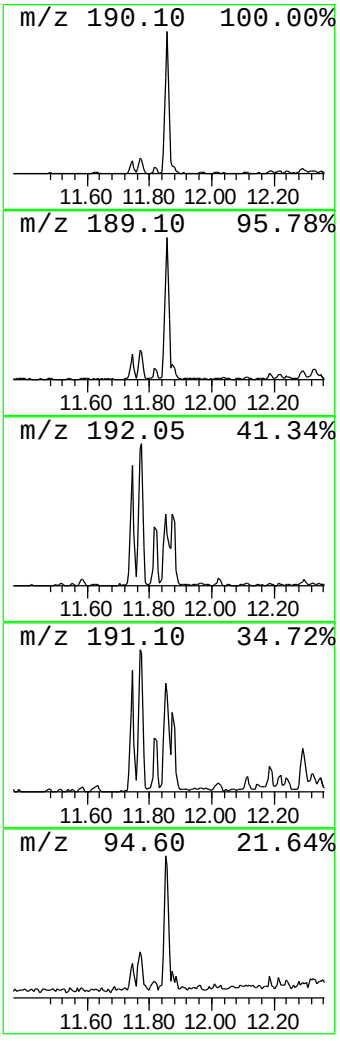
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.28 ng	280667	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

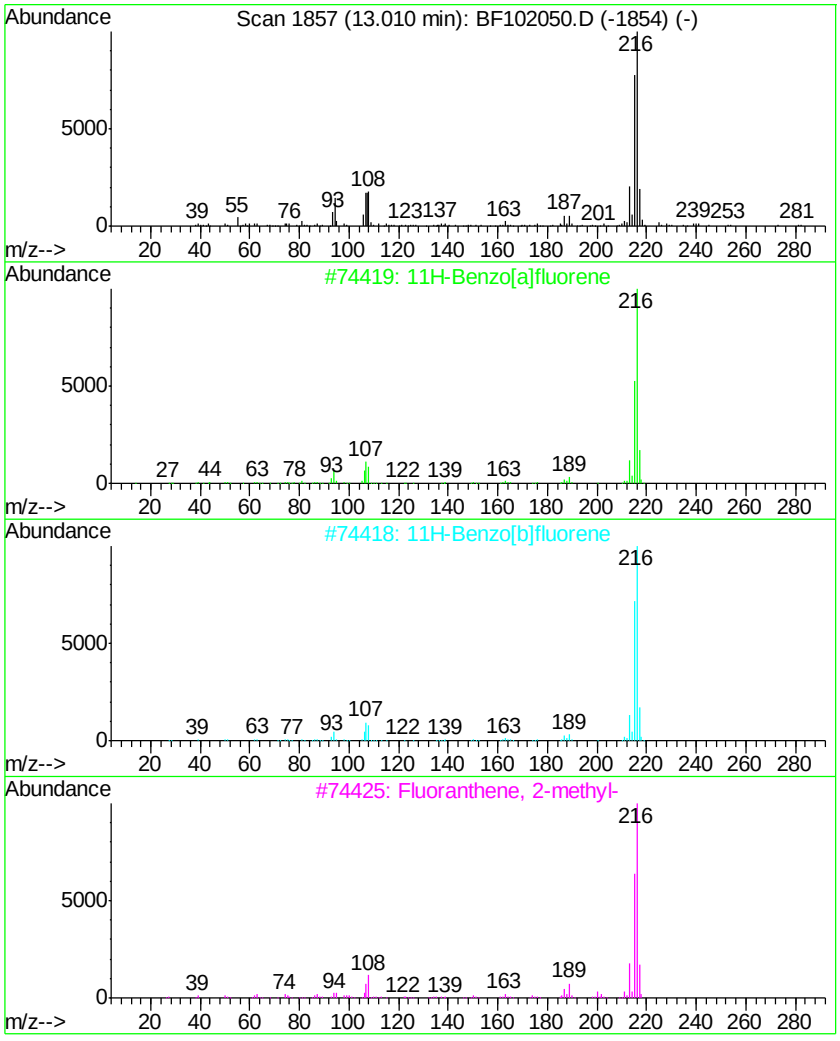
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

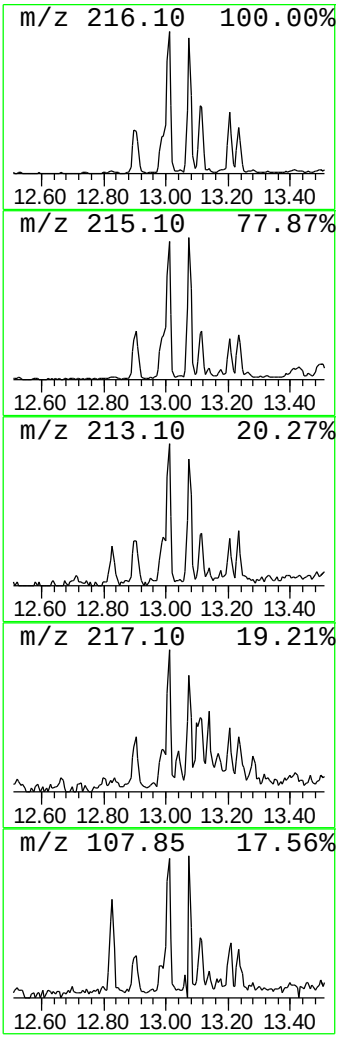
****

Peak Number 5 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	2.36 ng	200631	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

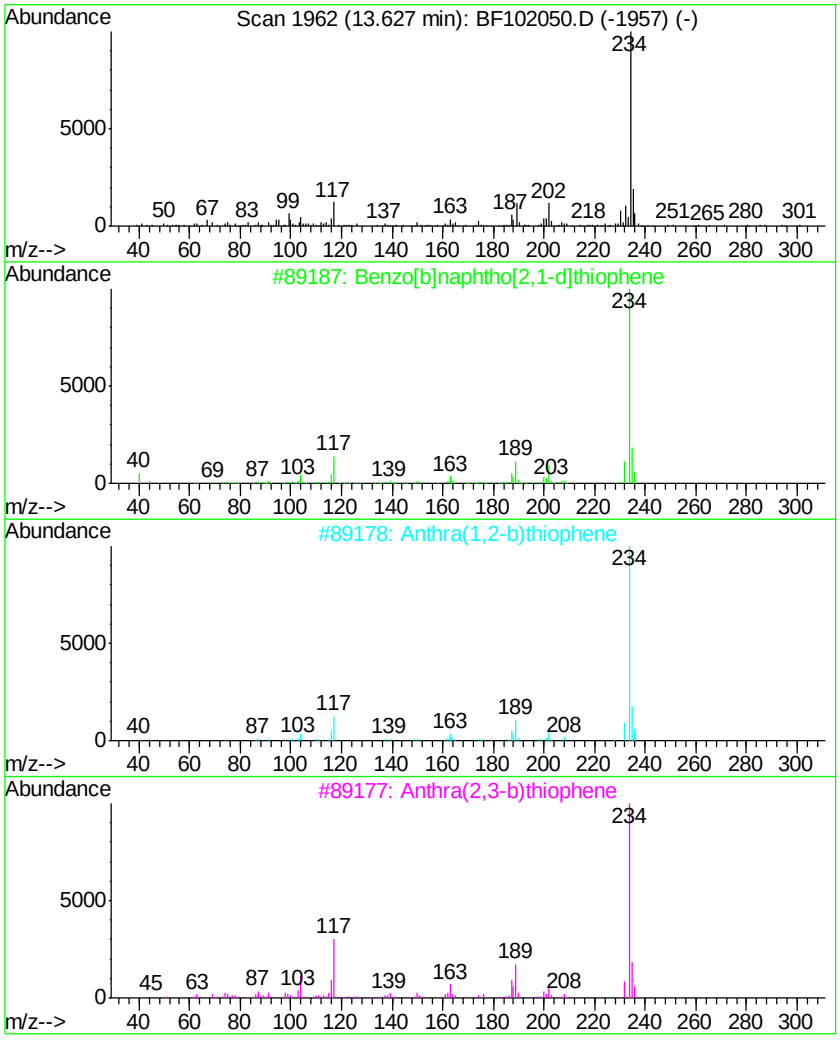
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

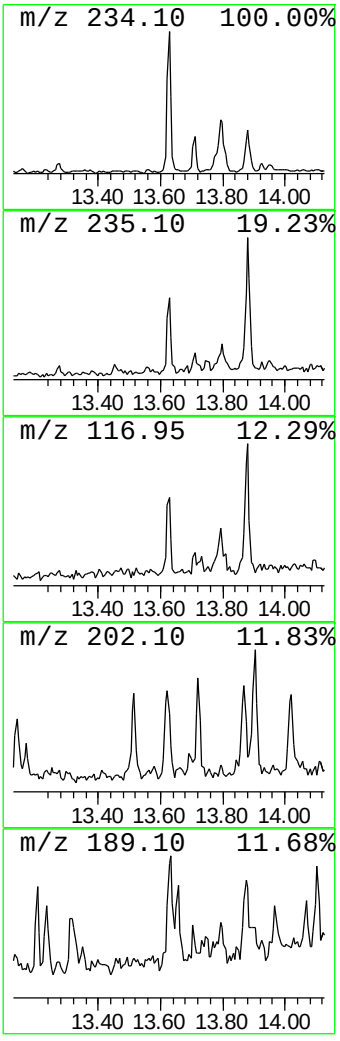
****

Peak Number 6 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	2.21 ng	187736	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	95
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

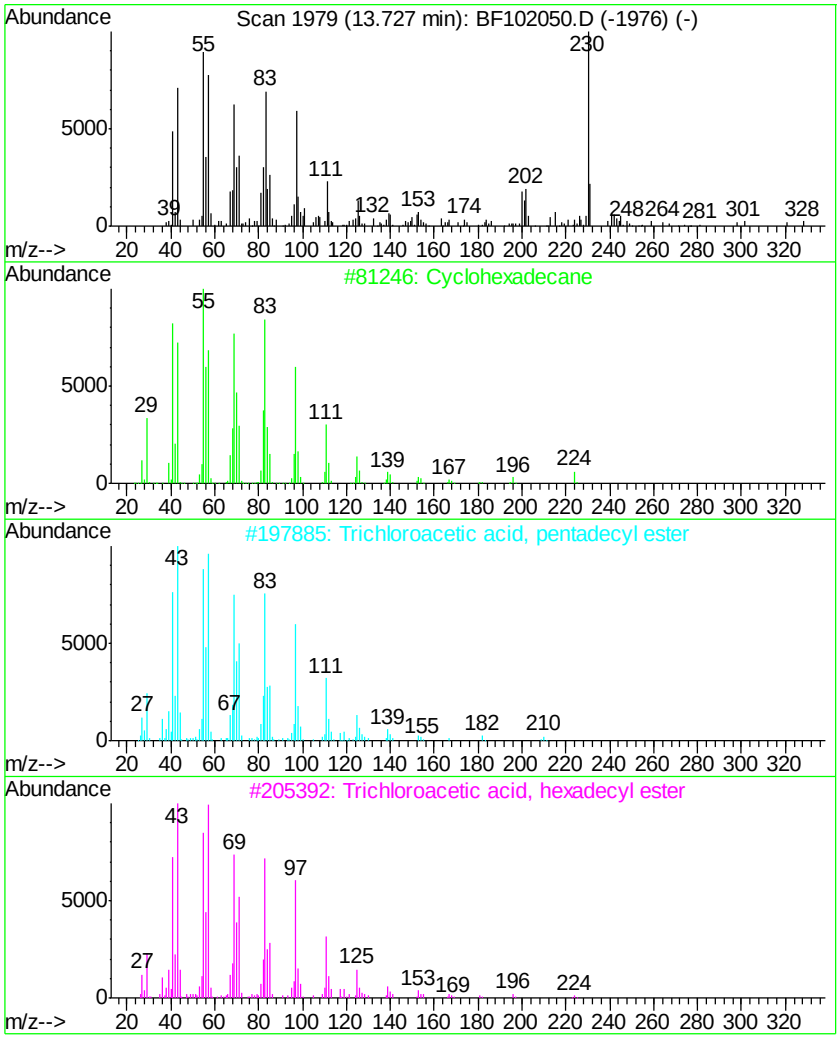
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

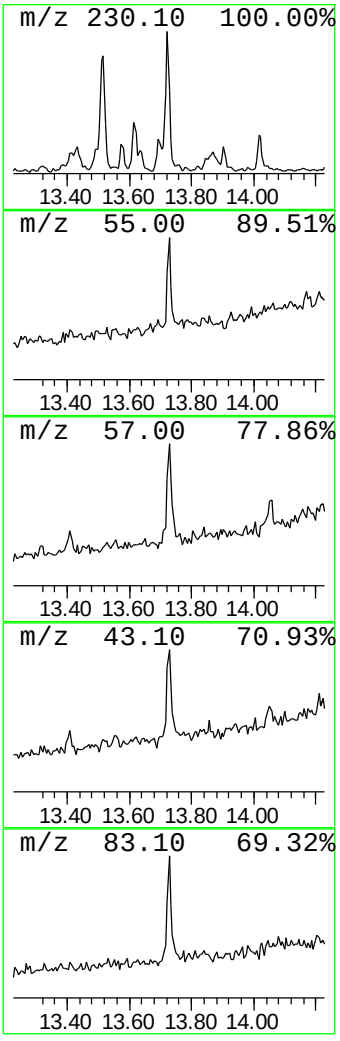
****

Peak Number 7 Cyclohexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.35 ng	199483	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	83
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	64
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	50
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	50
5	1-Tricosene	322	C23H46	018835-32-0	50





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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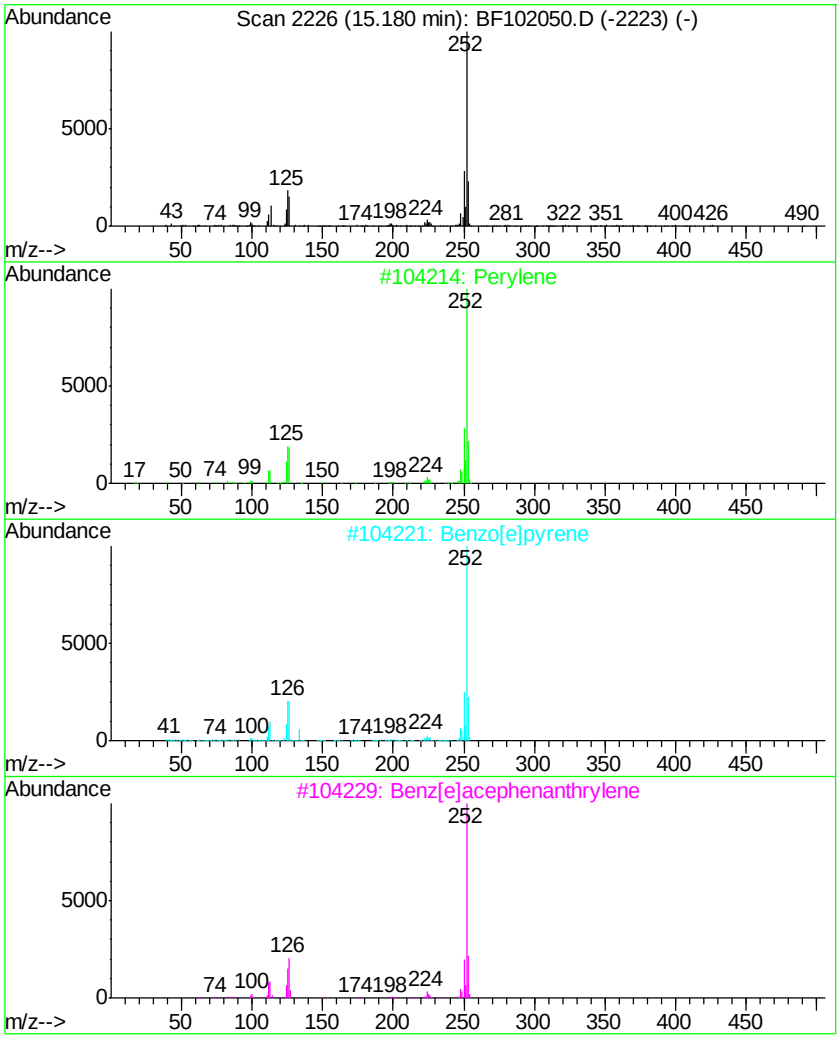
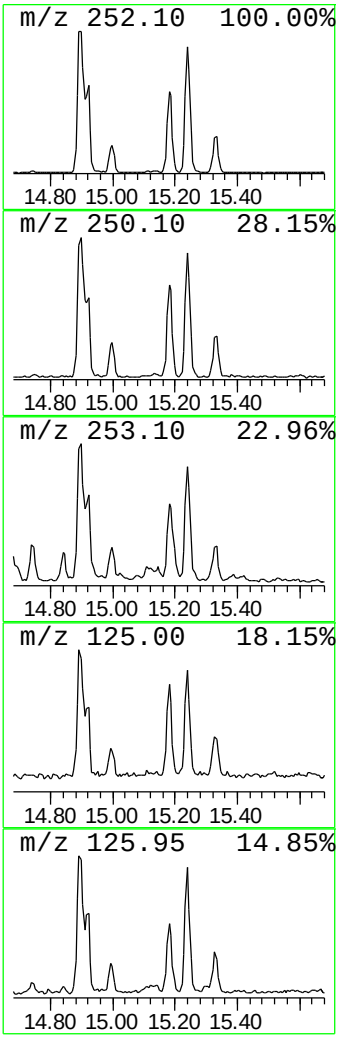
Peak Number 8 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	8.83 ng	356698	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	92
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102050.D
Acq On : 12 Jan 2018 18:35
Operator : SJ/JU
Sample : J1015-05 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-011118-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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
unknown6.49	6.49	17.6	ng	1150320	1	6.73	1308640	20.0
Phenanthrene, 2-m...	11.77	2.9	ng	192444	4	11.25	1311740	20.0
4H-Cyclopenta[def...	11.86	4.3	ng	280667	4	11.25	1311740	20.0
11H-Benzo[a]fluorene	13.01	2.4	ng	200631	5	13.88	1697340	20.0
Benzo[b]naphtho[2...	13.63	2.2	ng	187736	5	13.88	1697340	20.0
Cyclohexadecane	13.73	2.4	ng	199483	5	13.88	1697340	20.0
Perylene	15.18	8.8	ng	356698	6	15.30	807499	20.0