LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

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-BF113017.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	5.028	497	500	509	rBV	26070	34473	4.24%	0.281%
2	5.439	566	570	585	rBV	434291	436540	53.67%	3.554%
3	6.086	678	680	684	rBB	39110	33568	4.13%	0.273%
4	6.457	740	743	750	rBV	483101	464202	57.07%	3.779%
5	6.516	750	753	756	rVB	43789	39338	4.84%	0.320%
6	6.592	762	766	771	rBV	585510	479408	58.94%	3.903%
7	6.822	802	805	813	rBB	297677	238185	29.28%	1.939%
8	6.975	828	831	843	rBB	453413	379459	46.65%	3.089%
9	7.386	897	901	914	rBV	308371	272376	33.49%	2.217%
10	8.104	1020	1023	1025	rBV	364440	280626	34.50%	2.285%
11	8.127	1025	1027	1030	rVB	42774	35268	4.34%	0.287%
12	8.821	1142	1145	1149	rBB	16436	15386	1.89%	0.125%
13	9.174	1202	1205	1209	rBV	596803	517558	63.63%	4.213%
14	9.251	1213	1218	1221	rBV	23173	18995	2.34%	0.155%
15	9.521	1258	1264	1266	rVV4	10179	13539	1.66%	0.110%
16	9.574	1269	1273	1280	rVB	65837	64231	7.90%	0.523%
17	9.721	1292	1298	1301	rBV	22248	20197	2.48%	0.164%
18	9.780	1304	1308	1311	rVV	28454	22159	2.72%	0.180%
19	9.863	1318	1322	1325	rBV	314787	264299	32.50%	2.152%
20	9.892	1325	1327	1331	rVB	47335	36247	4.46%	0.295%
21	10.068	1354	1357	1360	rVV2	27124	23897	2.94%	0.195%
22	10.280	1387	1393	1396	rBV2	35832	34670	4.26%	0.282%
23	10.410	1409	1415	1420	rBV	38734	34665	4.26%	0.282%
24	10.498	1428	1430	1432	rVB2	15754	11512	1.42%	0.094%
25	10.568	1436	1442	1449	rBV4	9381	16131	1.98%	0.131%
26	10.657	1453	1457	1461	rBV	241486	224754	27.63%	1.830%
27	10.757	1470	1474	1479	rBV3	31485	44789	5.51%	0.365%
28	10.963	1501	1509	1512	rBV2	14910	20342	2.50%	0.166%
29	11.163	1540	1543	1546	rVB	17162	15306	1.88%	0.125%
30	11.204	1546	1550	1553	rVV4	38927	37820	4.65%	0.308%
31	11.251	1556	1558	1562	rVB	24046	21237	2.61%	0.173%
32	11.357	1572	1576	1577	rBV	264499	252574	31.05%	2.056%
33	11.380	1577	1580	1584	rVV	470276	388408	47.75%	3.162%
34	11.427	1584	1588	1591	rVV	119696	115758	14.23%	0.942%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

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-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.468	1593	1595	1600	rVB	11734	11583	1.42%	0.094%
36	11.586	1610	1615	1619	rBV2	44222	52484	6.45%	0.427%
37	11.627	1619	1622	1627	rVV2	22576	28665	3.52%	0.233%
38	11.692	1630	1633	1637	rVB4	9164	12626	1.55%	0.103%
39	11.857	1657	1661	1663	rBV	52648	48934	6.02%	0.398%
40	11.886	1663	1666	1669	rVV	77365	67756	8.33%	0.552%
41	11.933	1671	1674	1677	rVV	33982	28566	3.51%	0.233%
42	11.968	1677	1680	1683	rVV	95531	106352	13.08%	0.866%
43	11.992	1683	1684	1689	rVB	44077	27550	3.39%	0.224%
44	12.039	1689	1692	1695	rBV	26599	25645	3.15%	0.209%
45	12.151	1707	1711	1715	rBV	50635	42908	5.28%	0.349%
46	12.186	1715	1717	1721	rVB2	25540	23726	2.92%	0.193%
47	12.298	1731	1736	1739	rBV3	16725	24620	3.03%	0.200%
48	12.333	1739	1742	1744	rVB2	15445	12914	1.59%	0.105%
49	12.357	1744	1746	1749	rVB3	18267	14287	1.76%	0.116%
50	12.404	1749	1754	1756	rBV	40665	43940	5.40%	0.358%
51	12.504	1766	1771	1773	rVB2	31755	37482	4.61%	0.305%
52	12.574	1779	1783	1786	rBV	807997	706665	86.88%	5.753%
53	12.609	1787	1789	1791	rVV2	17737	12441	1.53%	0.101%
54	12.639	1791	1794	1796	rVB	20186	17767	2.18%	0.145%
55	12.668	1796	1799	1801	rBV3	15266	12648	1.56%	0.103%
56	12.721	1805	1808	1811	rVV	30776	34971	4.30%	0.285%
57	12.804	1815	1822	1827	rBV	685009	813352	100.00%	6.621%
58	12.851	1827	1830	1834	rVB2	41911	43020	5.29%	0.350%
59	12.939	1837	1845	1848	rBV	536666	516940	63.56%	4.208%
60	12.968	1848	1850	1853	rVB	44368	37300	4.59%	0.304%
61	13.027	1854	1860	1863	rBV2	49866	90333	11.11%	0.735%
62	13.057	1863	1865	1867	rBV	12269	12092	1.49%	0.098%
63	13.109	1870	1874	1875	rBV3	52159	64666	7.95%	0.526%
64	13.133	1875	1878	1880	rVV	104012	99520	12.24%	0.810%
65	13.156	1880	1882	1886	rVB5	15171	16281	2.00%	0.133%
66	13.198	1886	1889	1891	rBV	91829	80810	9.94%	0.658%
67	13.233	1891	1895	1898	rBV2	66226	83832	10.31%	0.682%
68	13.292	1902	1905	1908	rVB3	22656	23990	2.95%	0.195%
69	13.327	1908	1911	1914	rBV	51392	49185	6.05%	0.400%
70	13.362	1914	1917	1919	rBV2	45429	44945	5.53%	0.366%
71	13.504	1939	1941	1944	rBV3	13017	11235	1.38%	0.091%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

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-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.556	1947	1950	1952	rVB2	33721	28880	3.55%	0.235%
73	13.615	1957	1960	1963	rBV5	27974	37716	4.64%	0.307%
74	13.645	1963	1965	1970	rVB	60901	52667	6.48%	0.429%
75	13.704	1973	1975	1977	rVB2	16110	11537	1.42%	0.094%
76	13.751	1981	1983	1986	rVV	72492	75766	9.32%	0.617%
77	13.780	1986	1988	1990	rVV	75758	60424	7.43%	0.492%
78	13.809	1990	1993	1994	rVV	69746	77178	9.49%	0.628%
79	13.821	1994	1995	1999	rVV2	98403	104690	12.87%	0.852%
80	13.856	1999	2001	2004	rVB	51909	42817	5.26%	0.349%
81	13.968	2017	2020	2022	rBV2	55687	74014	9.10%	0.603%
82	14.004	2022	2026	2029	rVV2	527874	775523	95.35%	6.313%
83	14.033	2029	2031	2034	rVB	407910	329137	40.47%	2.679%
84	14.115	2042	2045	2047	rBV	74341	69236	8.51%	0.564%
85	14.239	2062	2066	2069	rVB2	44795	56141	6.90%	0.457%
86	14.356	2083	2086	2088	rBV2	42747	37238	4.58%	0.303%
87	14.392	2090	2092	2095	rVV	74434	67589	8.31%	0.550%
88	14.427	2095	2098	2100	rVV	41742	35534	4.37%	0.289%
89	14.492	2107	2109	2112	rBV	25435	20264	2.49%	0.165%
90	14.521	2112	2114	2115	rVV2	33682	26772	3.29%	0.218%
91	14.539	2115	2117	2121	rVB2	42422	43695	5.37%	0.356%
92	14.892	2175	2177	2180	rVB2	49530	50096	6.16%	0.408%
93	15.056	2200	2205	2208	rBV	300577	479357	58.94%	3.902%
94	15.162	2220	2223	2227	rVB	64823	72625	8.93%	0.591%
95	15.356	2252	2256	2263	rVB	178177	253165	31.13%	2.061%
96	15.427	2263	2268	2271	rVV	265399	334502	41.13%	2.723%
97	15.486	2274	2278	2281	rVV	183413	238333	29.30%	1.940%
98	15.515	2281	2283	2289	rVB2	82939	120708	14.84%	0.983%
99	16.974	2525	2531	2538	rVB	131493	239920	29.50%	1.953%
100	17.427	2602	2608	2615	rVB2	96522	178250	21.92%	1.451%

Sum of corrected areas: 12283722

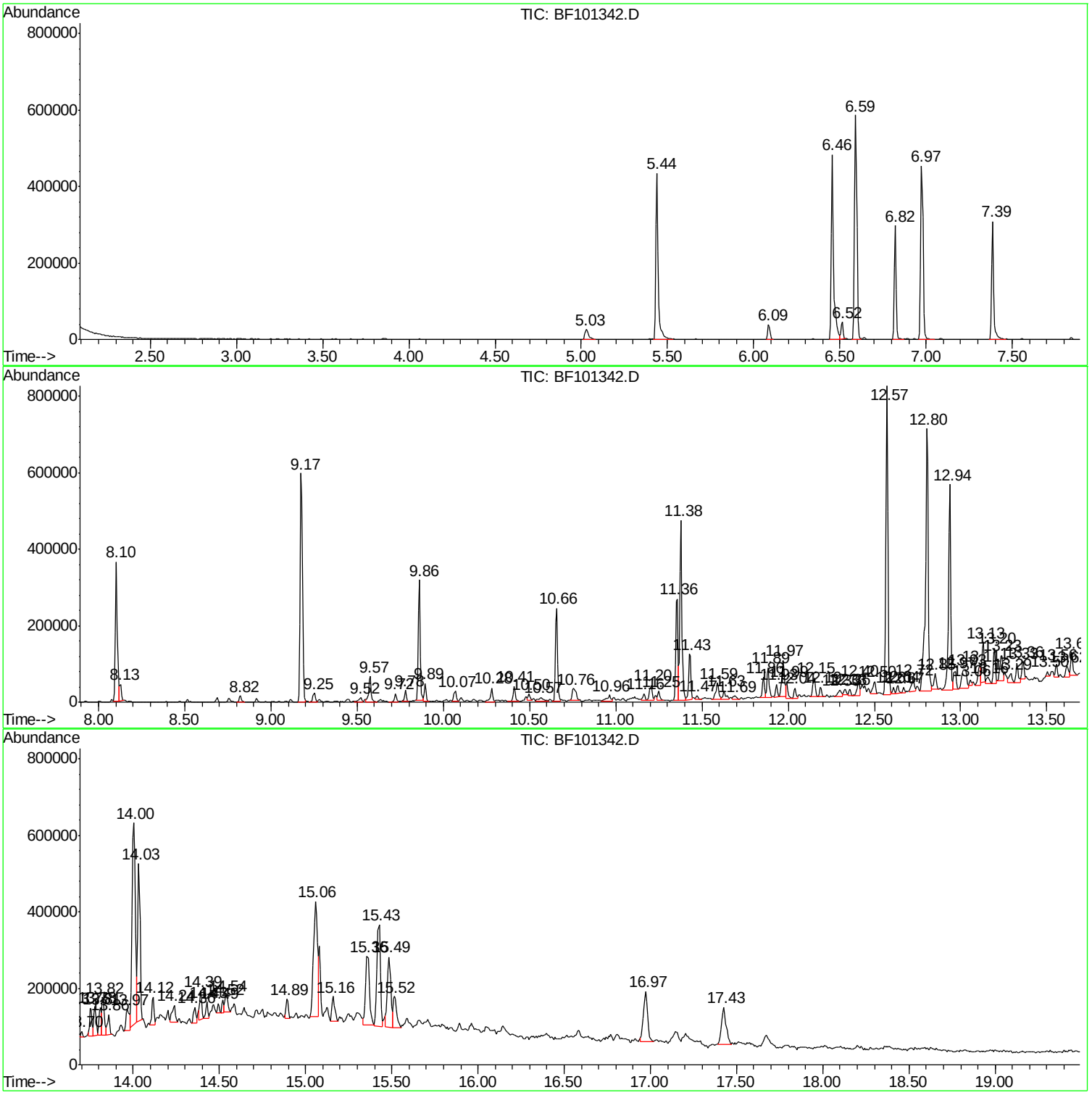
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

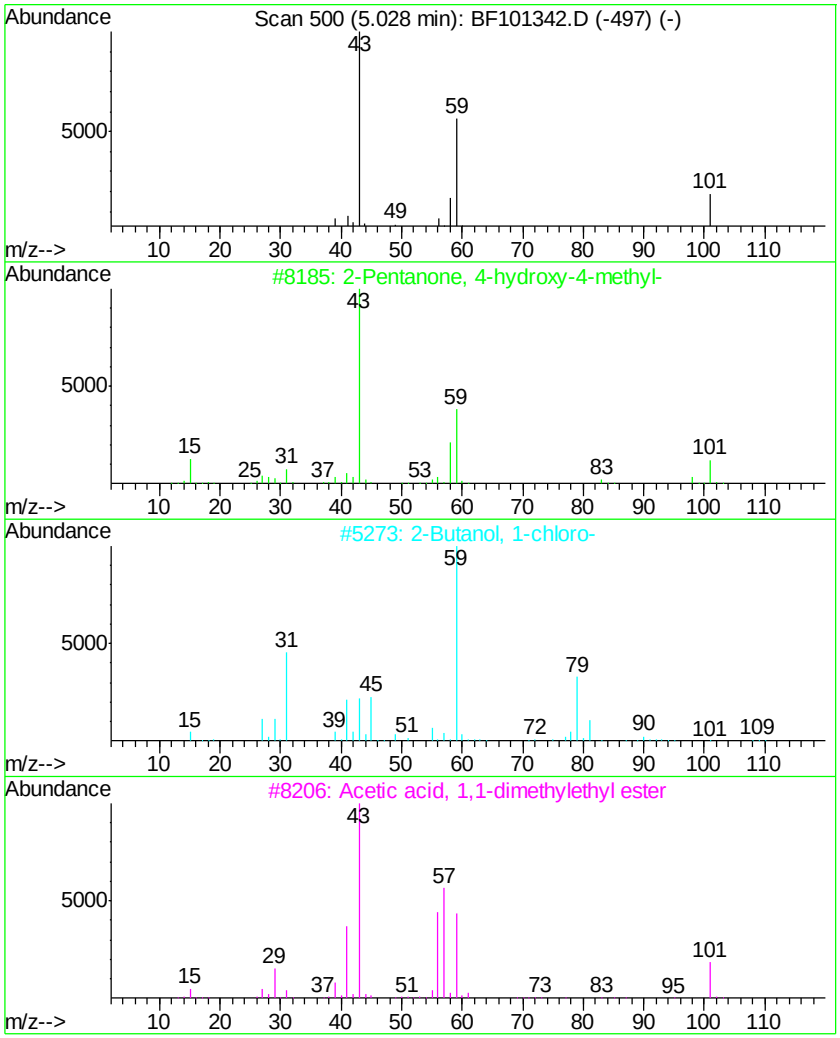
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

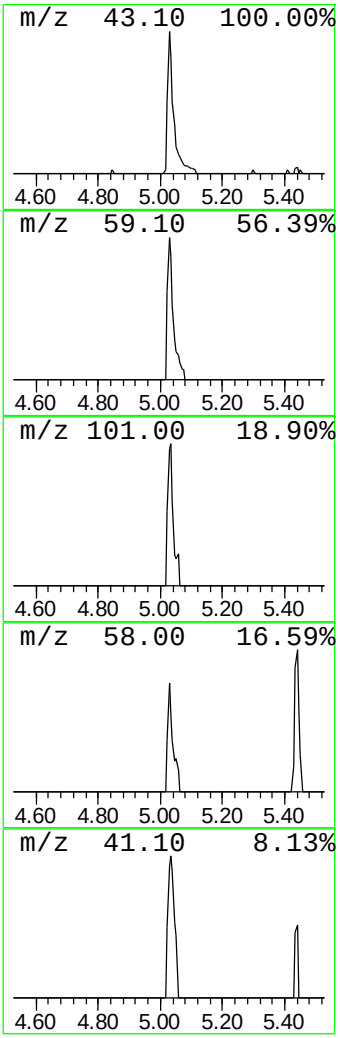
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	2.89 ng	34473	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2-Butanol, 1-chloro-	108	C4H9ClO	001873-25-2	9
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9
5	3-Hexanol	102	C6H14O	000623-37-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

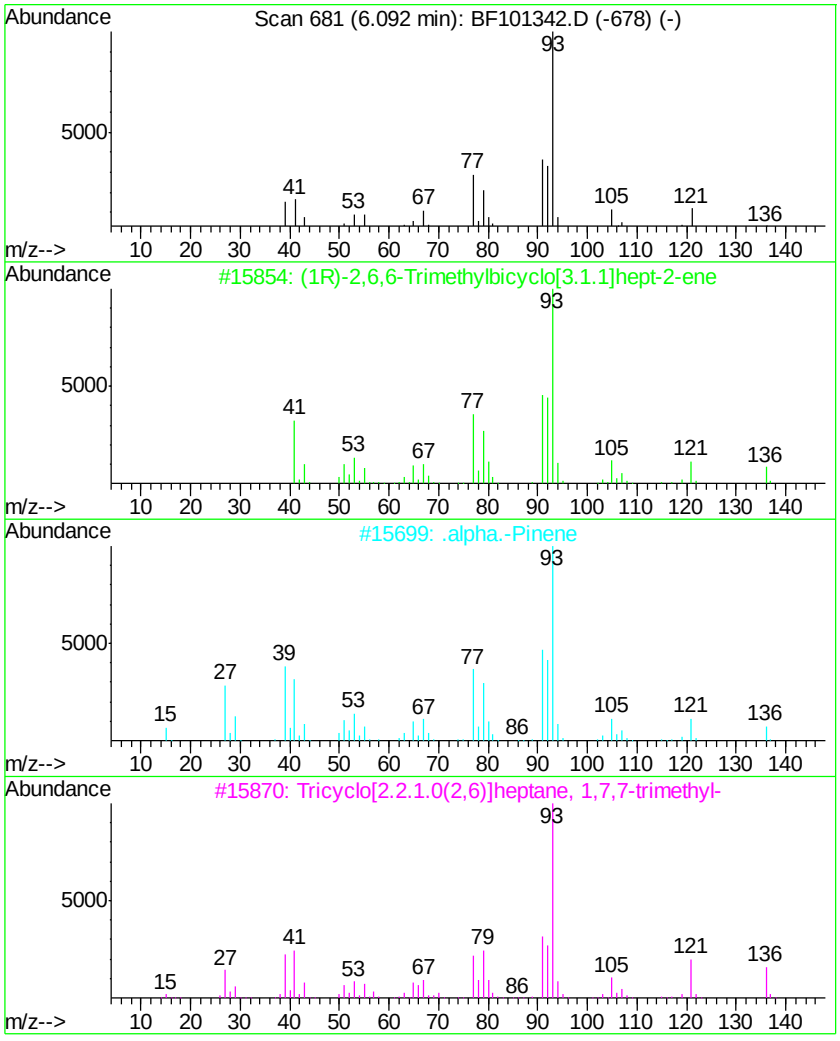
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

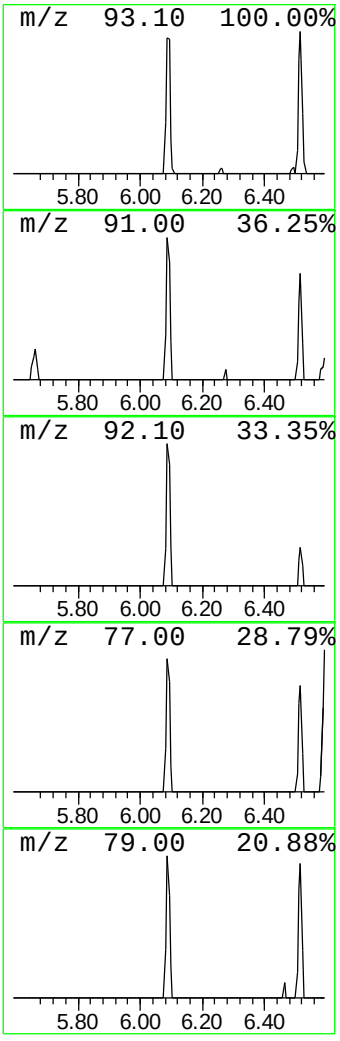
****

Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.09	2.82 ng	33568	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	4-Carene, (1S,3S,6R)-(-)-	136	C10H16	005208-50-4	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

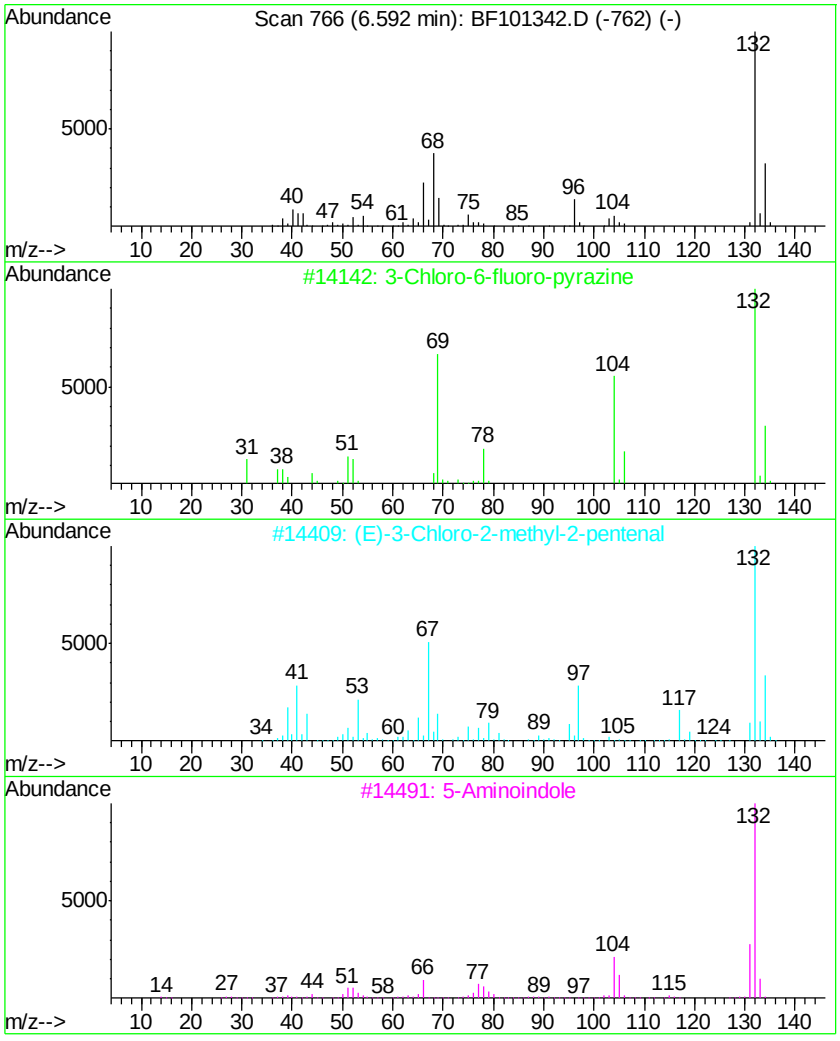
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

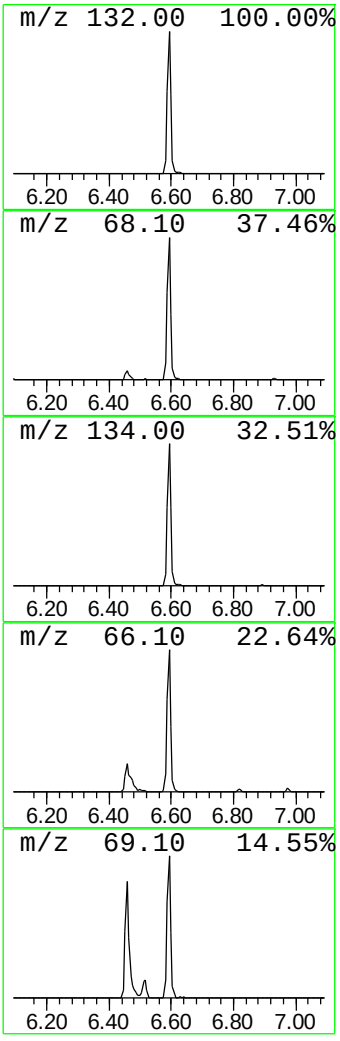
****

Peak Number 3 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	40.26 ng	479408	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

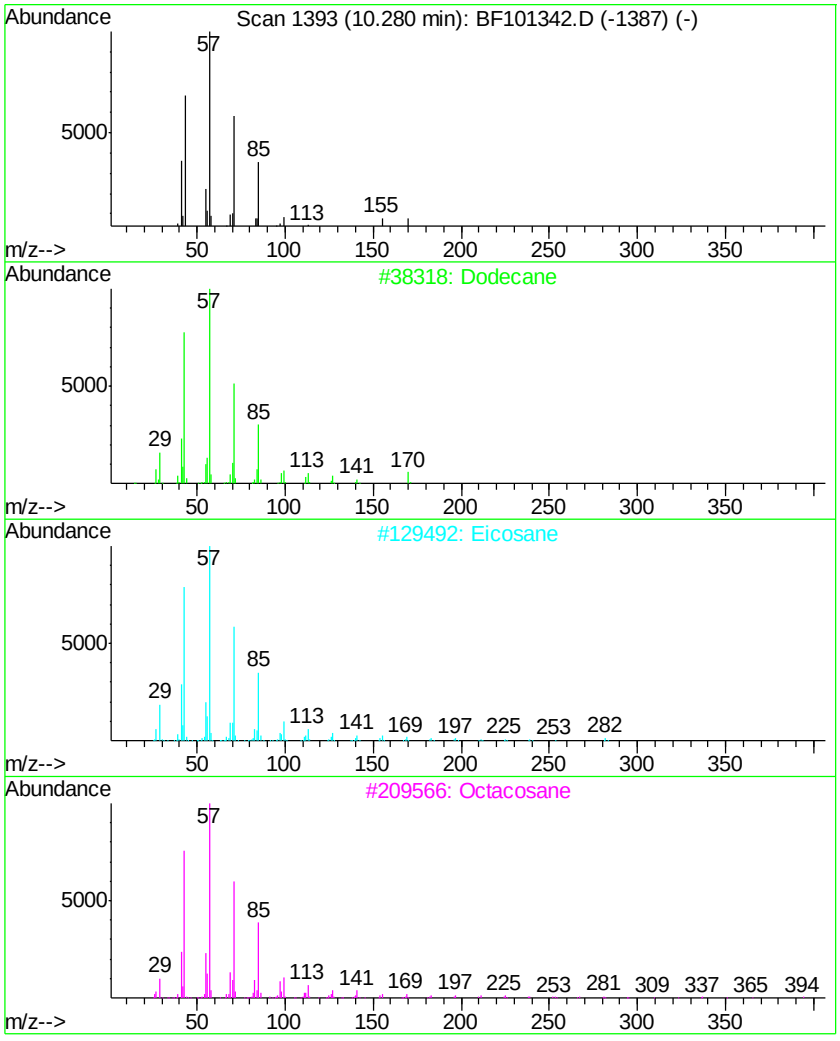
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

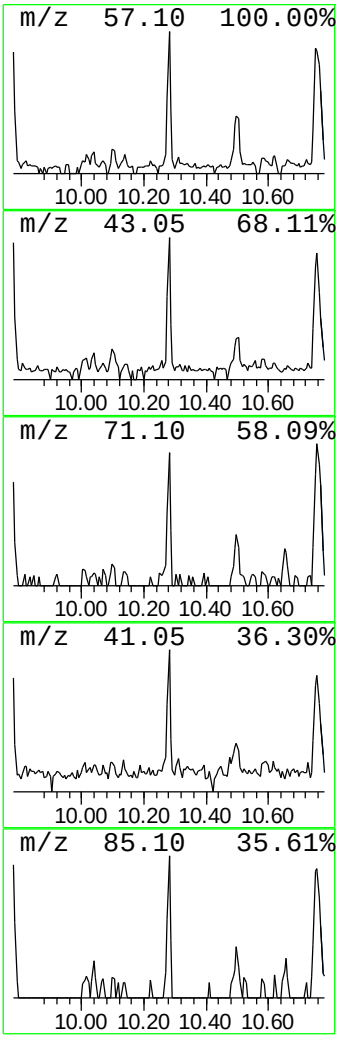
****

Peak Number 5 Dodecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	2.62 ng	34670	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	83
2	Eicosane	282	C20H42	000112-95-8	78
3	Octacosane	394	C28H58	000630-02-4	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Tetracosane	338	C24H50	000646-31-1	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

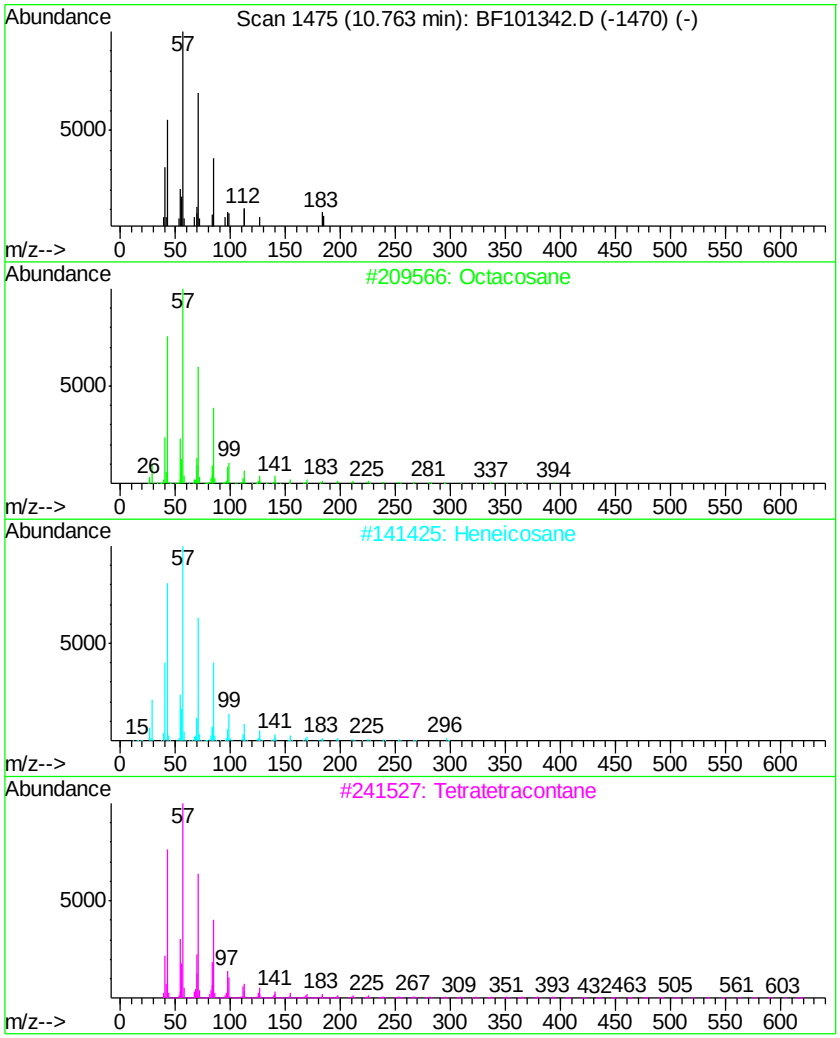
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

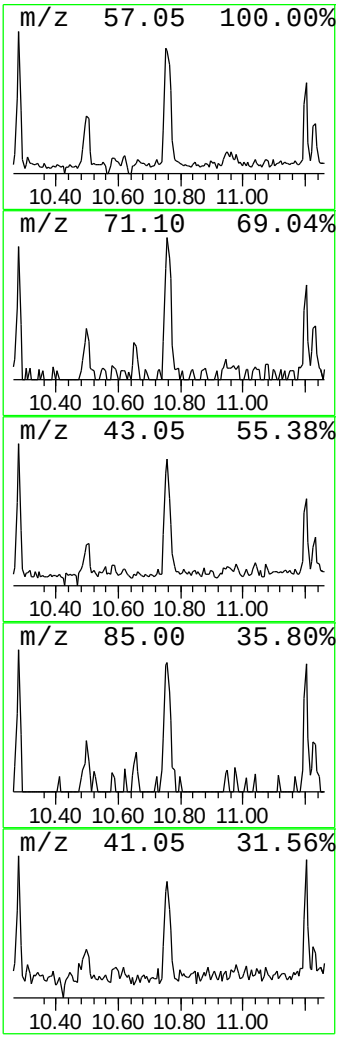
****

Peak Number 6 Octacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.55 ng	44789	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tetratetracontane	619	C44H90	007098-22-8	86
4	Eicosane	282	C20H42	000112-95-8	86
5	Tetracosane	338	C24H50	000646-31-1	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

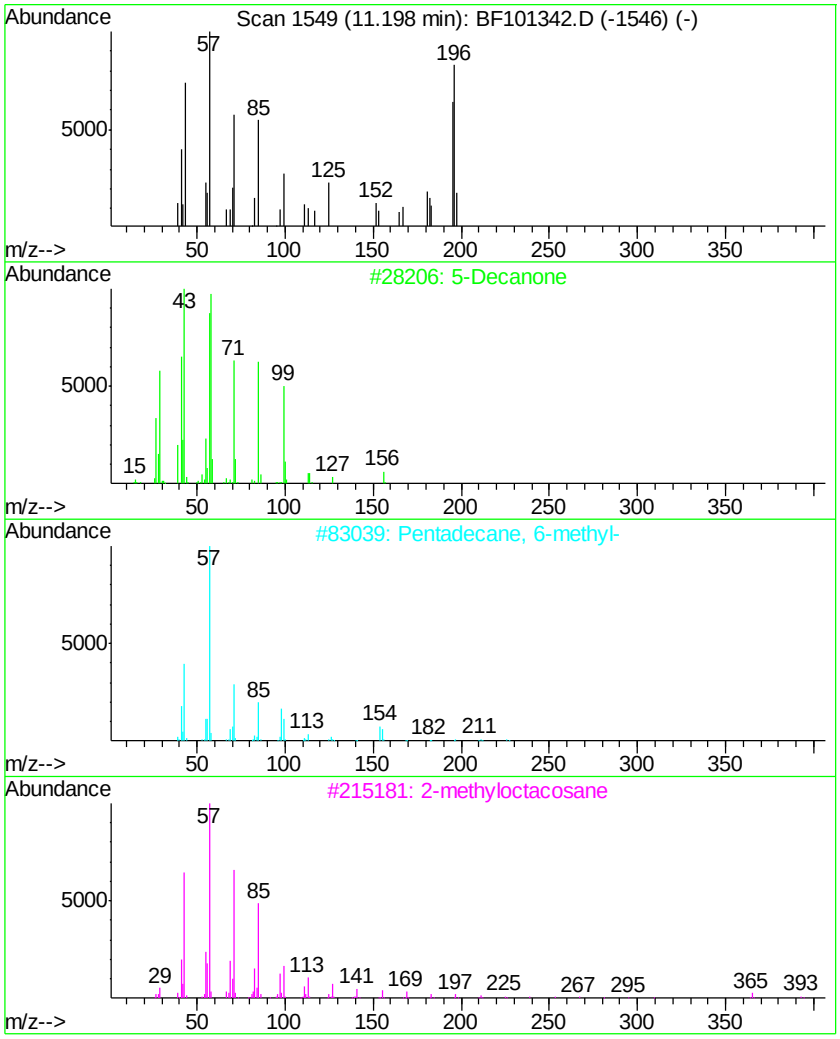
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

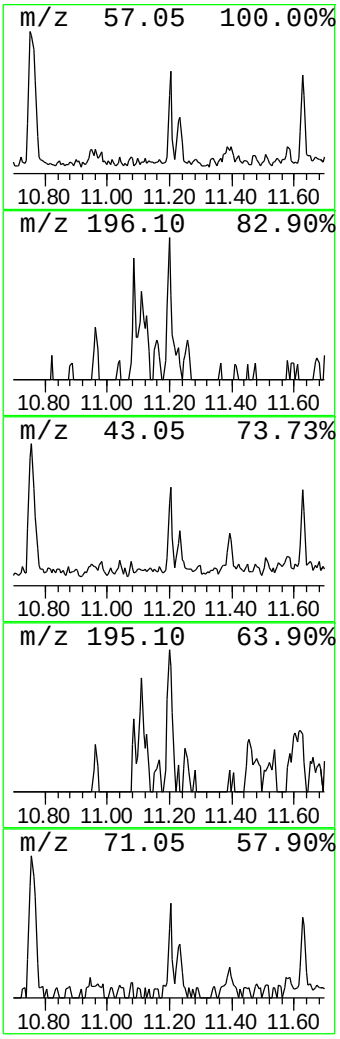
****

Peak Number 7 unknown11.20 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.99 ng	37820	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Decanone	156	C10H20O	000820-29-1	35
2	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	35
3	2-methyloctacosane	408	C29H60	1000376-72-8	30
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	27
5	10-Methylnonadecane	282	C20H42	056862-62-5	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

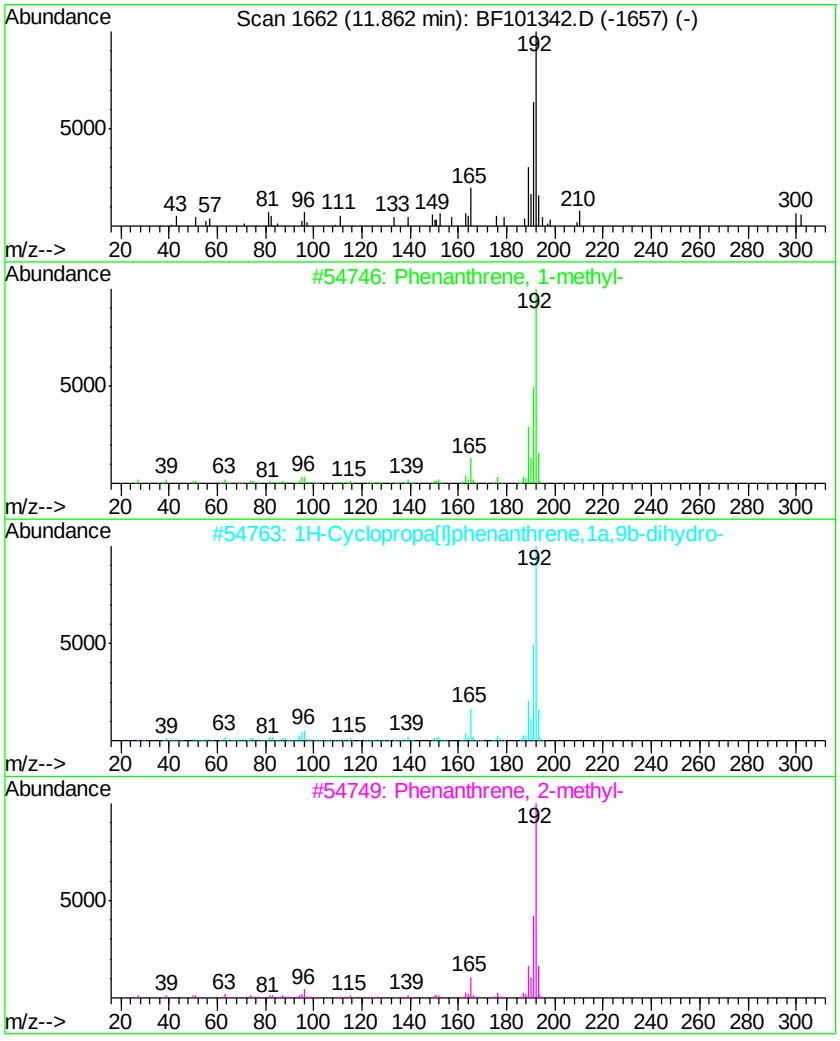
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

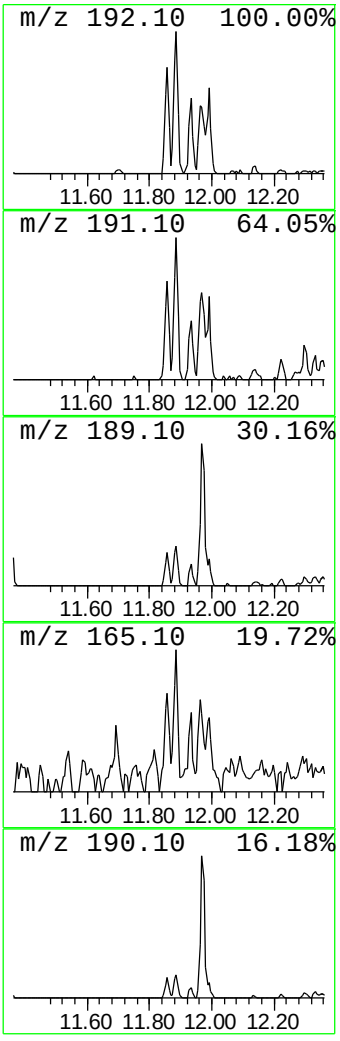
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	3.87 ng	48934	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

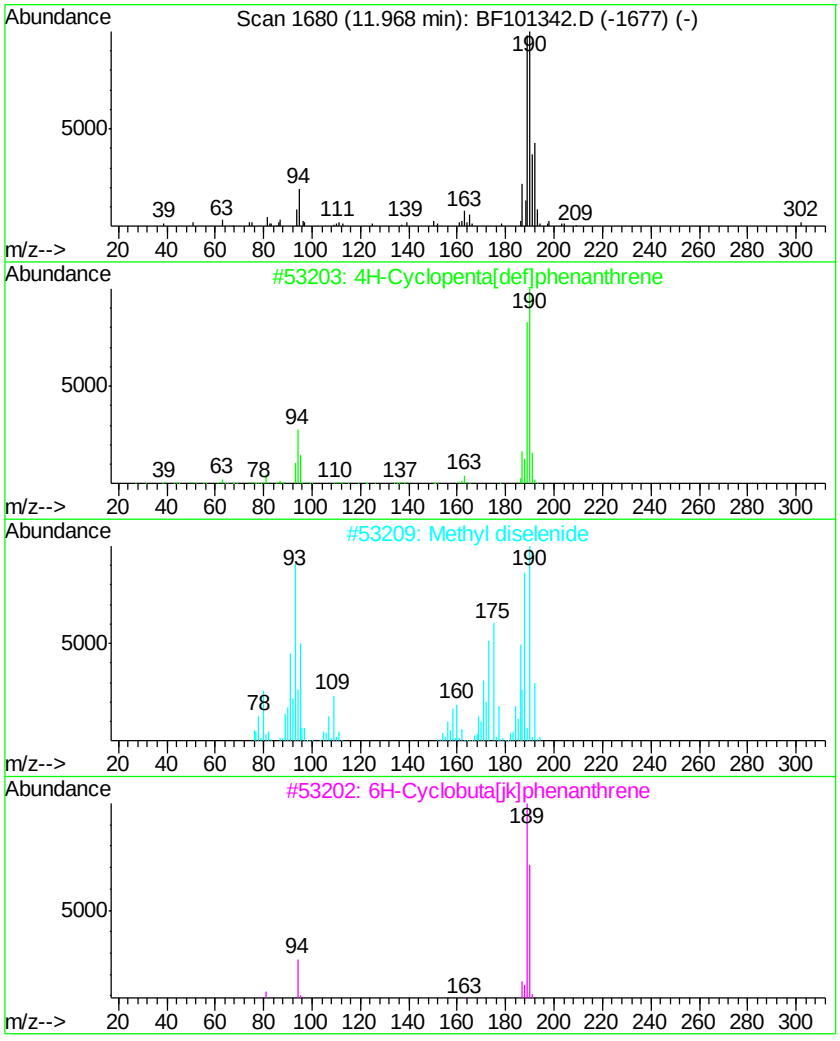
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

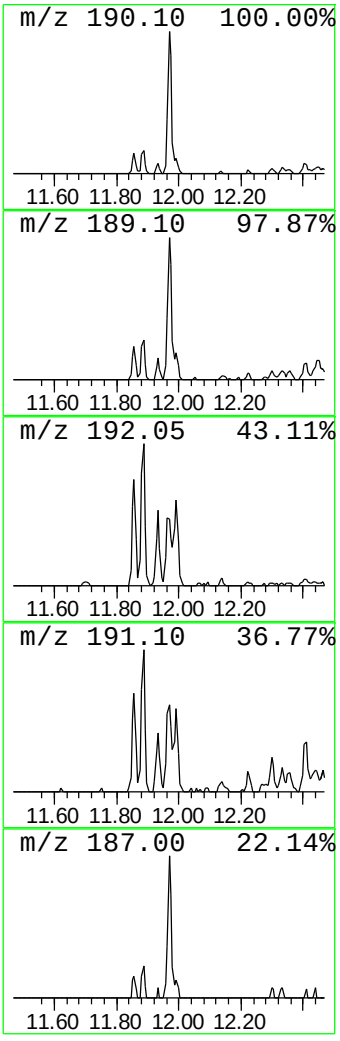
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	8.42 ng	106352	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

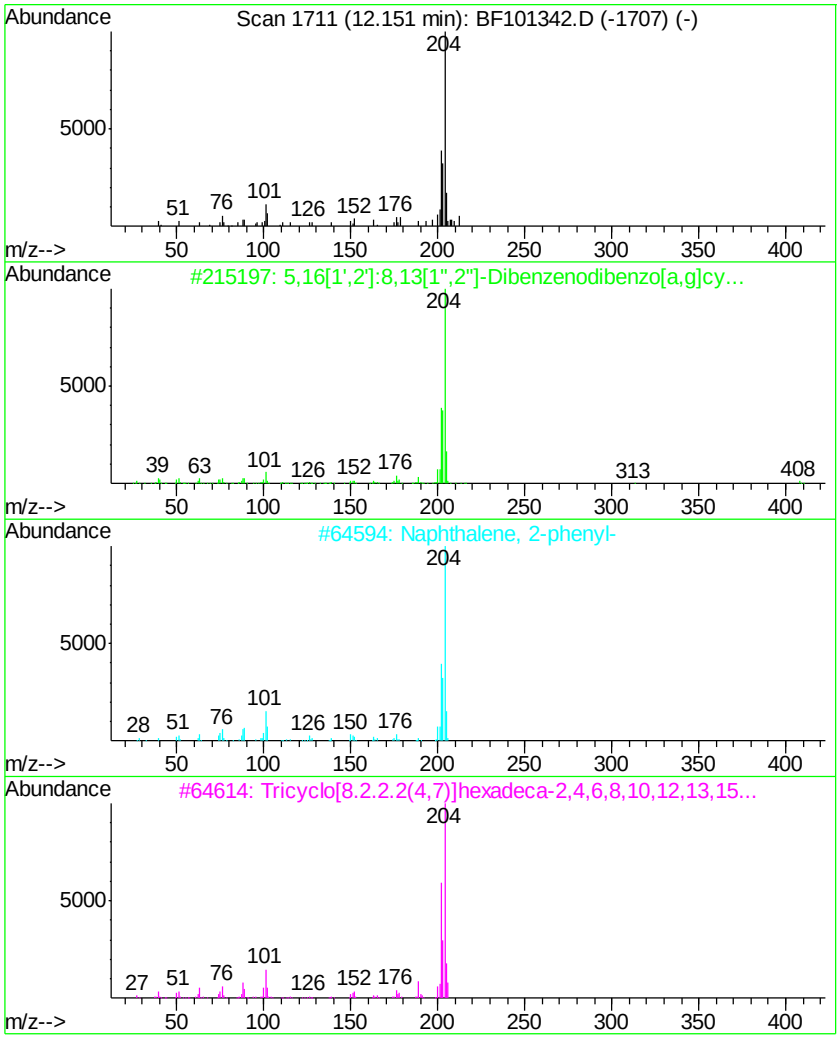
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

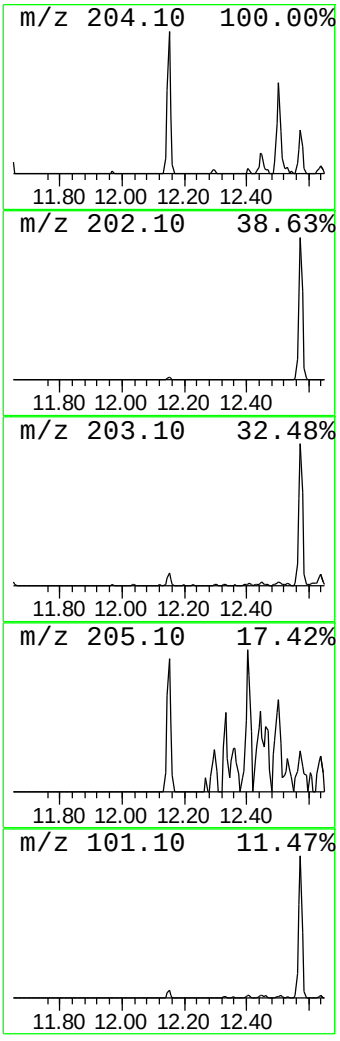
****

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.40 ng	42908	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

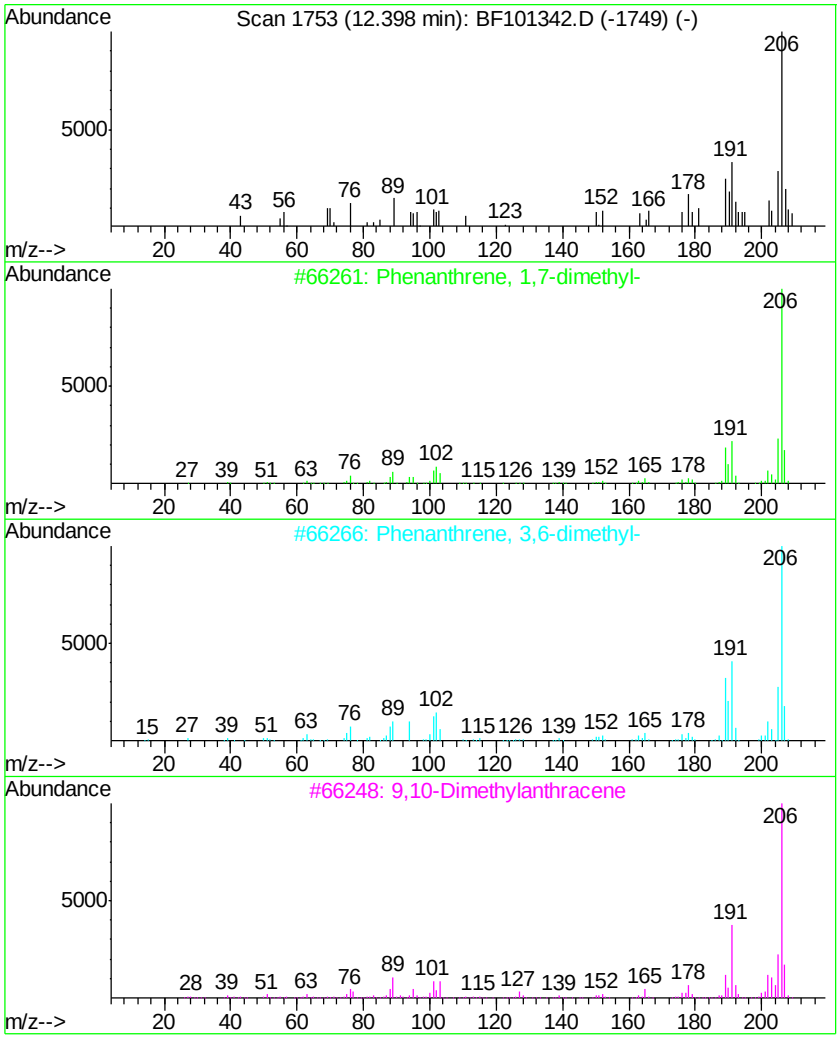
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

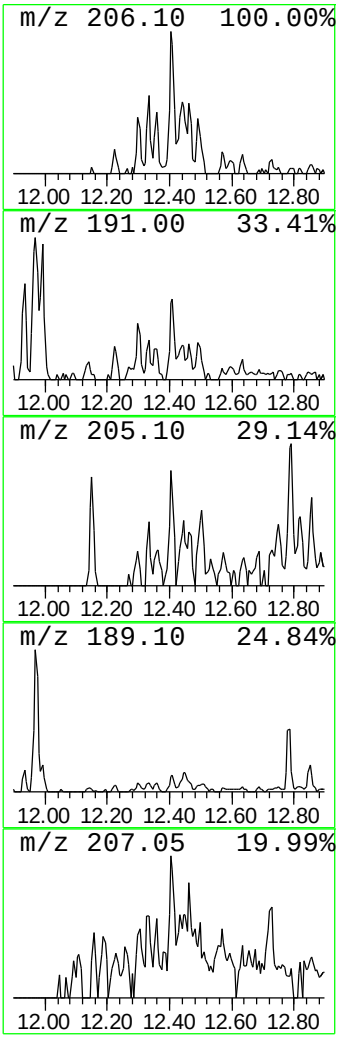
****

Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	3.48 ng	43940	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

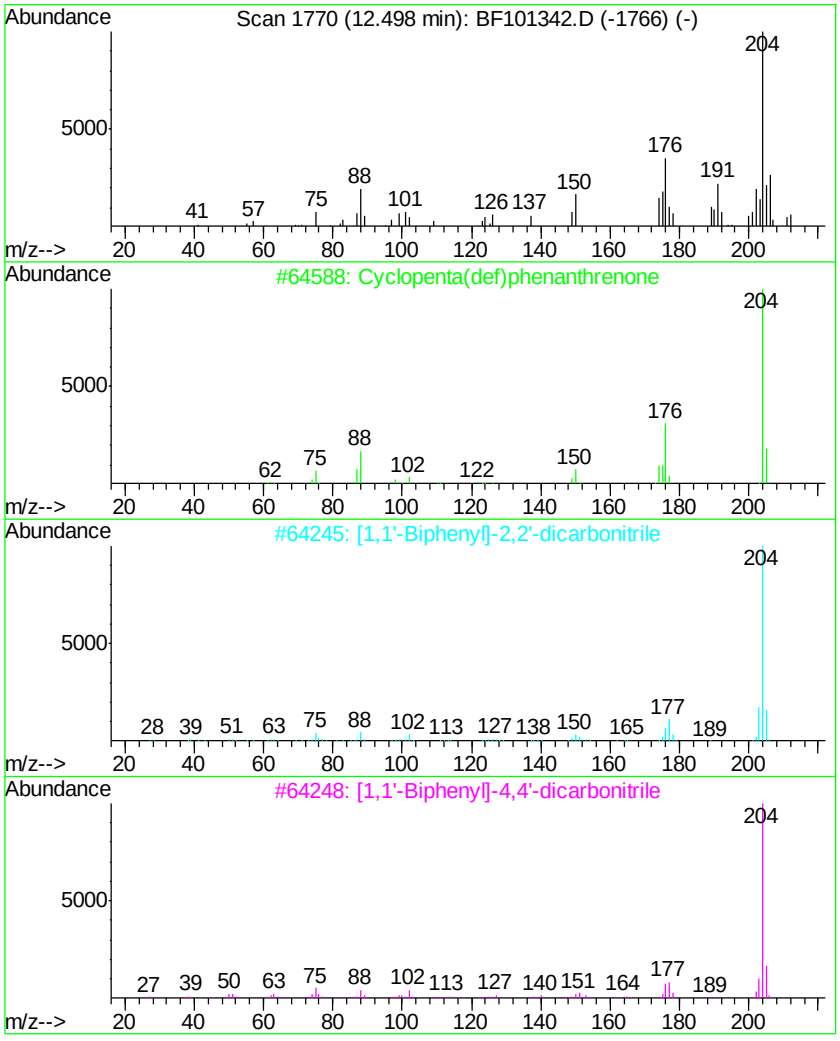
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

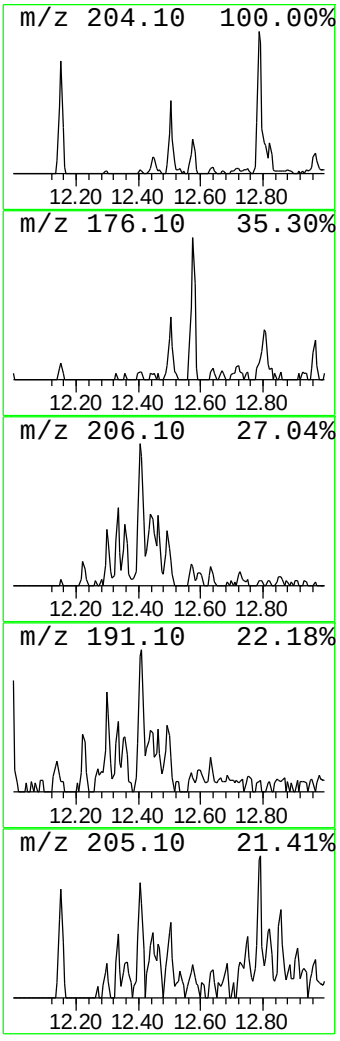
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	2.97 ng	37482	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	50
5	Pyridine-3-carbonitrile, 5-allyl...	204	C11H12N2S	186337-14-4	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

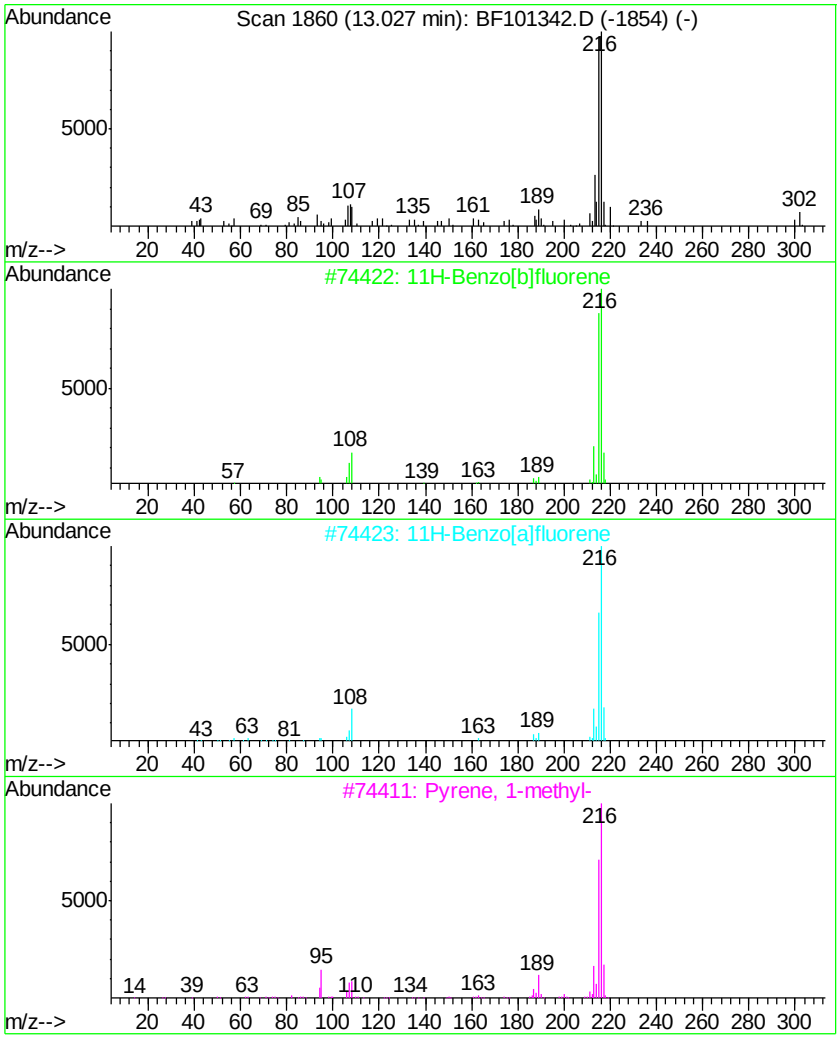
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

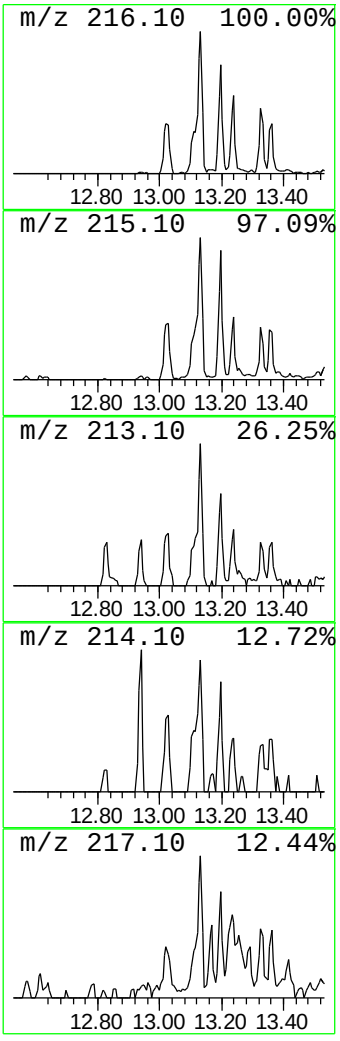
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.33 ng	90333	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

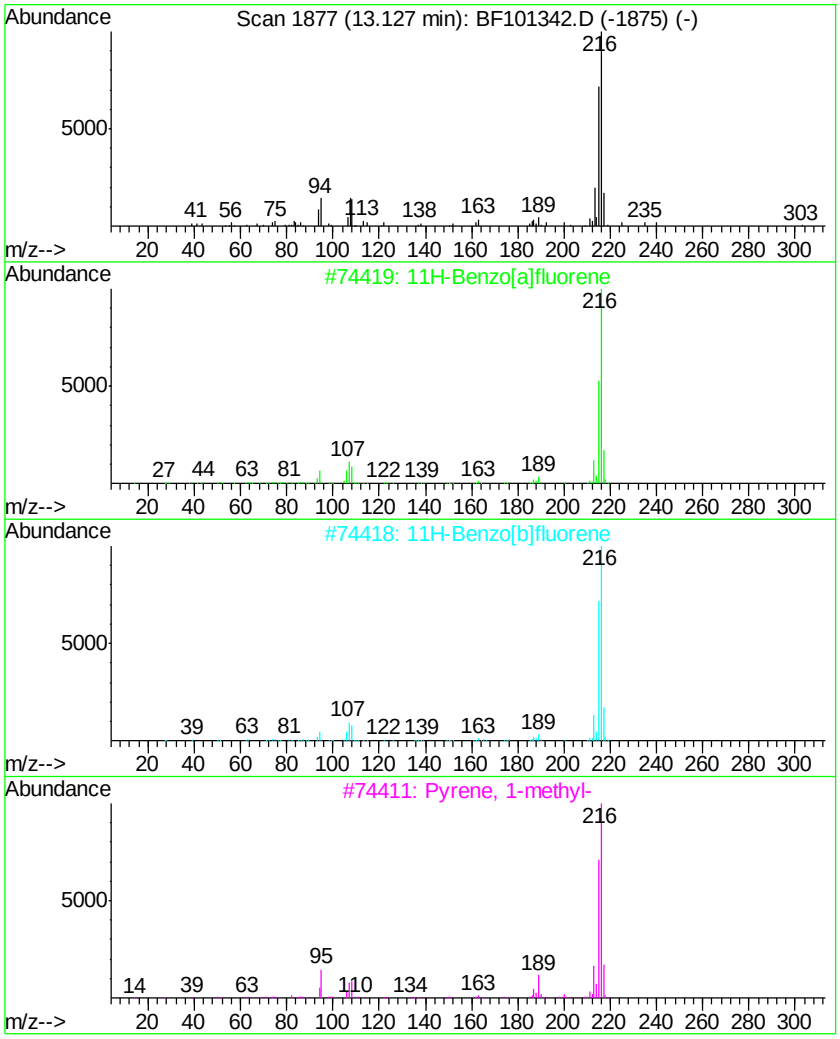
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

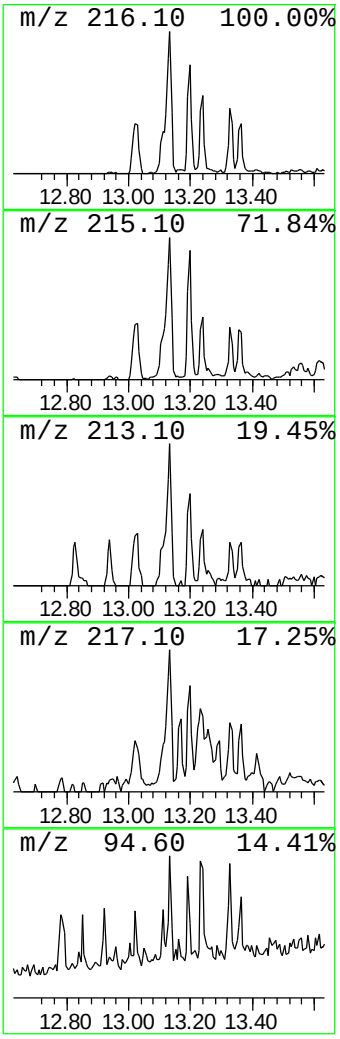
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.57 ng	99520	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

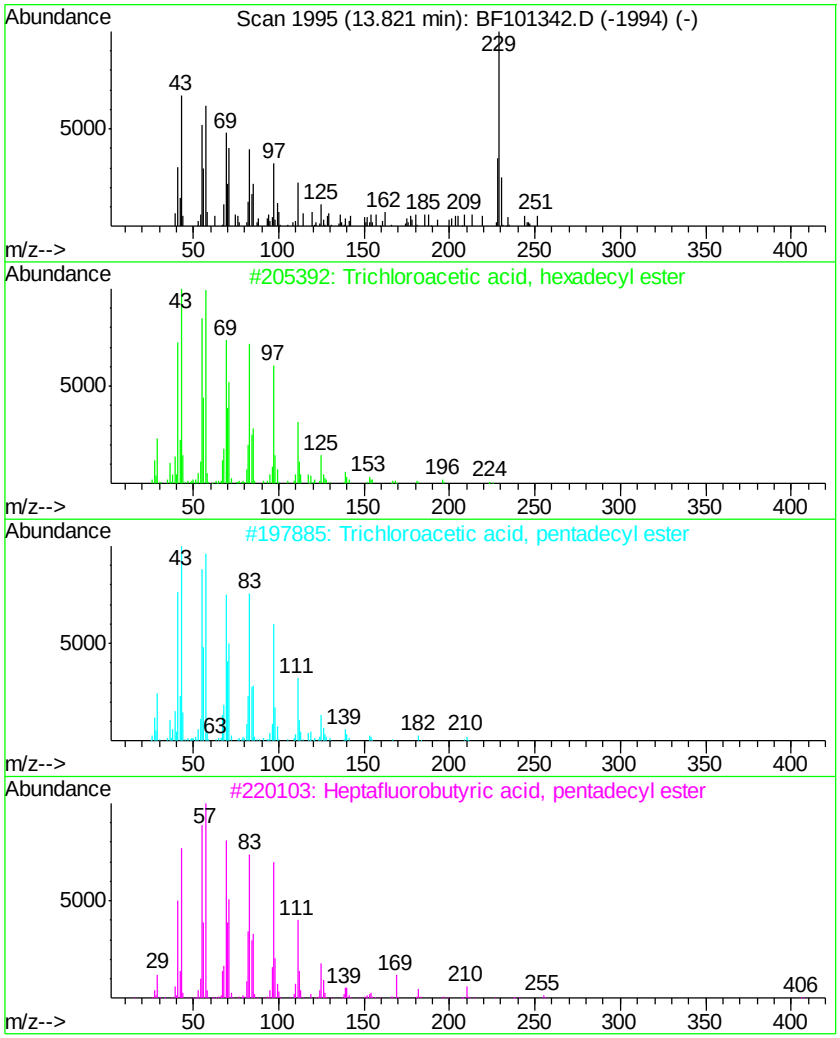
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

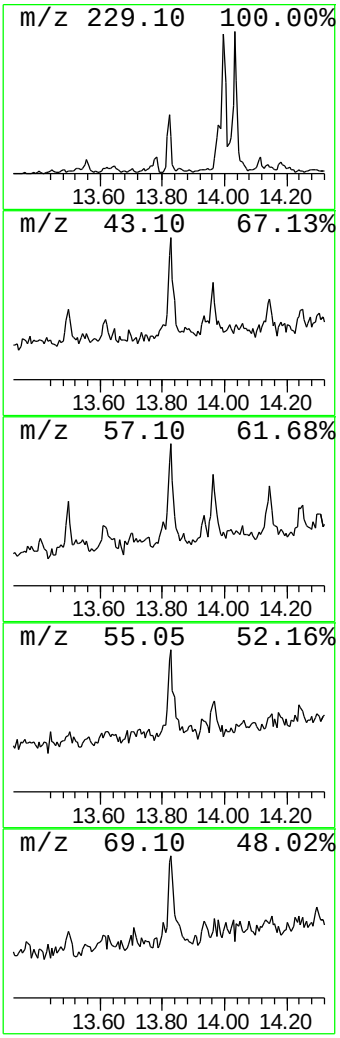
****

Peak Number 17 Trichloroacetic acid, hexad... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	2.70 ng	104690	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	64
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	46
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	45
4	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	43
5	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

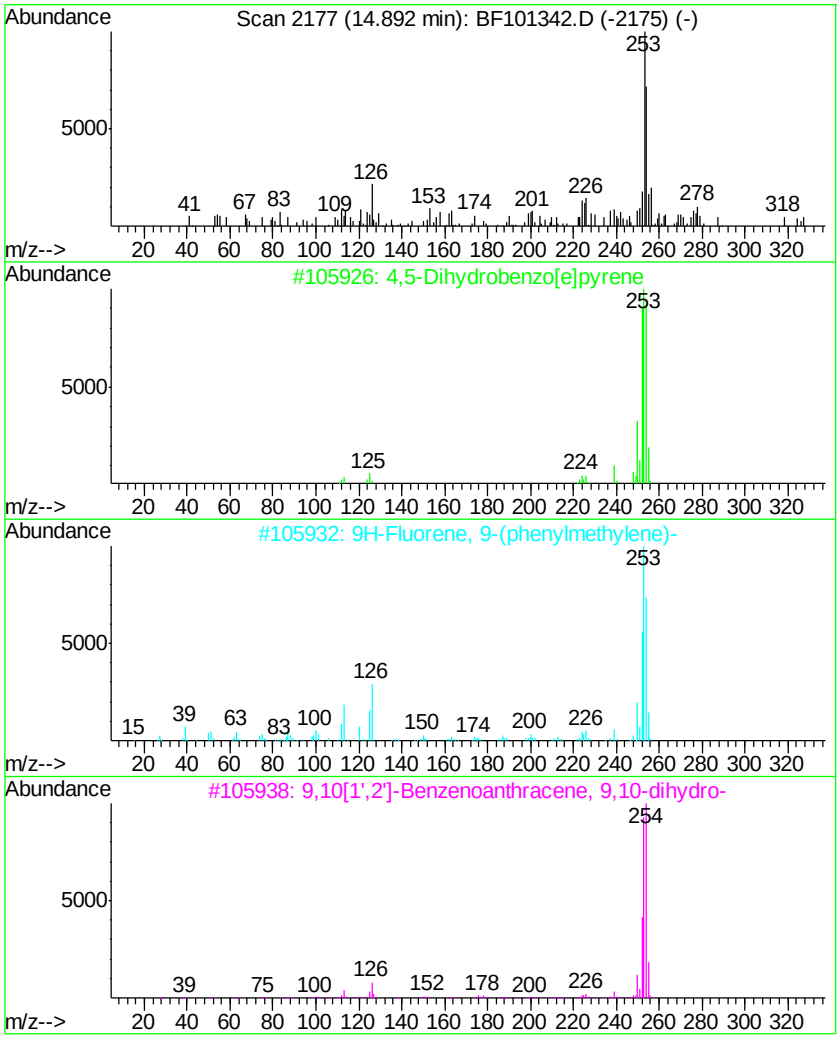
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

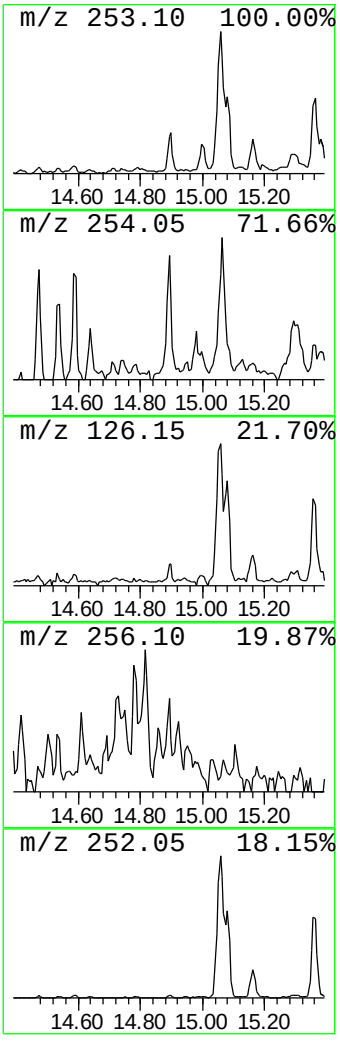
****

Peak Number 18 4,5-Dihydrobenzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4.20 ng	50096	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	58
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	53
4	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	50
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

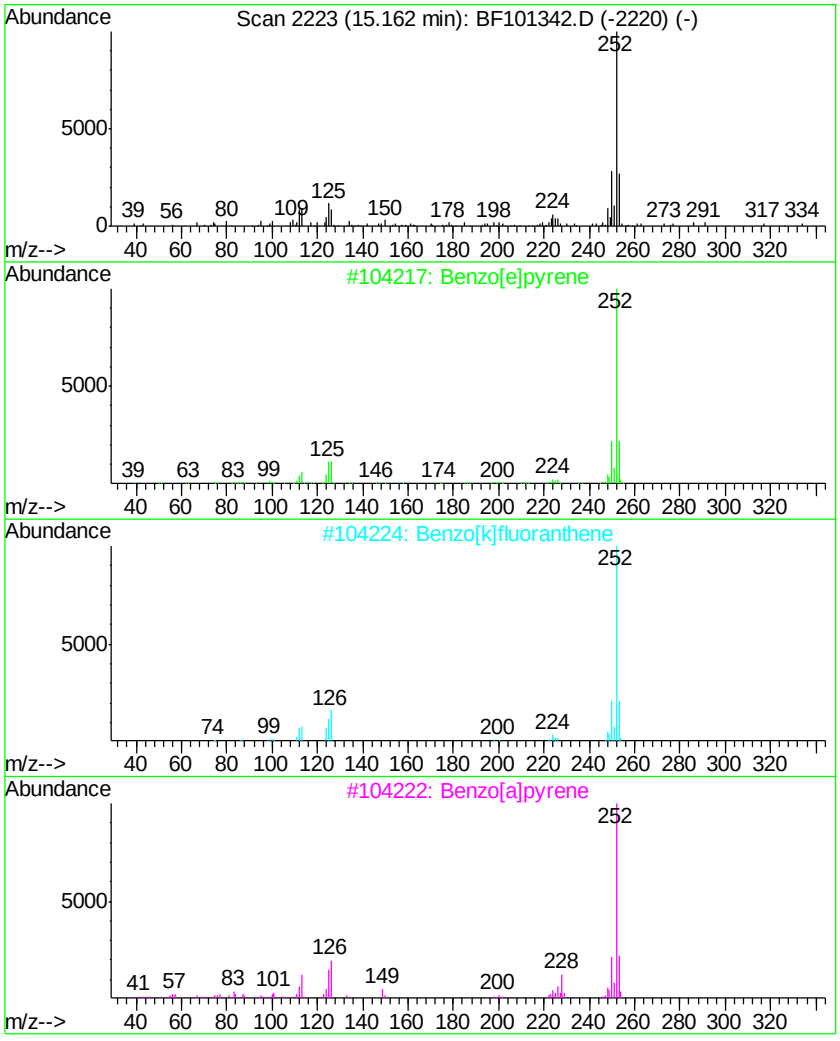
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

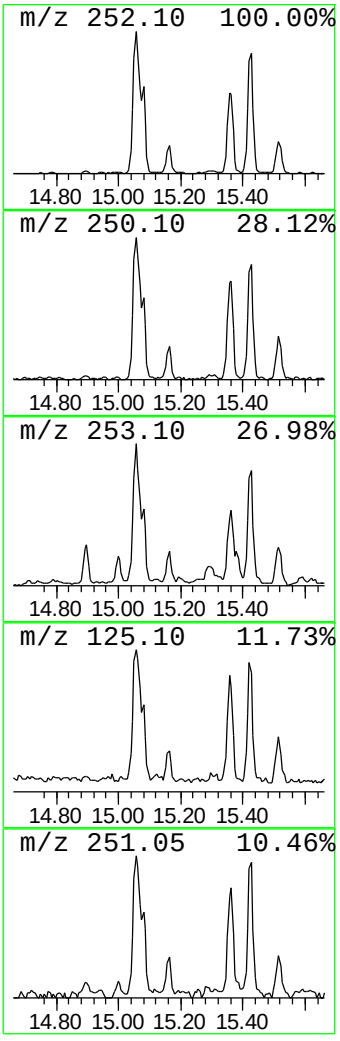
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	6.09 ng	72625	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	81
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
3	Benzo[a]pyrene	252	C20H12	000050-32-8	76
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74
5	Perylene	252	C20H12	000198-55-0	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121217\
Data File : BF101342.D
Acq On : 12 Dec 2017 20:53
Operator : SJ/JU
Sample : I6822-13 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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...	5.03	2.9	ng	34473	1	6.82	238185	20.0
(1R)-2,6,6-Trimet...	6.09	2.8	ng	33568	1	6.82	238185	20.0
unknown6.59	6.59	40.3	ng	479408	1	6.82	238185	20.0
Dodecane	10.28	2.6	ng	34670	3	9.86	264299	20.0
Octacosane	10.76	3.5	ng	44789	4	11.35	252574	20.0
unknown11.20	11.20	3.0	ng	37820	4	11.35	252574	20.0
Phenanthrene, 1-m...	11.86	3.9	ng	48934	4	11.35	252574	20.0
4H-Cyclopenta[def...	11.97	8.4	ng	106352	4	11.35	252574	20.0
5,16[1',2']:8,13[...	12.15	3.4	ng	42908	4	11.35	252574	20.0
Phenanthrene, 1,7...	12.40	3.5	ng	43940	4	11.35	252574	20.0
Cyclopenta(def)ph...	12.50	3.0	ng	37482	4	11.35	252574	20.0
11H-Benzo[b]fluorene	13.03	2.3	ng	90333	5	14.01	775523	20.0
11H-Benzo[a]fluorene	13.13	2.6	ng	99520	5	14.01	775523	20.0
Trichloroacetic a...	13.82	2.7	ng	104690	5	14.01	775523	20.0
4,5-Dihydrobenzo[...	14.89	4.2	ng	50096	6	15.49	238333	20.0
Benzo[e]pyrene	15.16	6.1	ng	72625	6	15.49	238333	20.0