LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

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-BF090115.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	1.463	9	11	17	rBV	112918	287752	14.18%	0.902%
2	1.554	17	19	45	rVB	534180	1842489	90.78%	5.778%
3	4.560	277	282	302	rBV	339618	904782	44.58%	2.837%
4	5.429	355	358	375	rBV	625069	1268743	62.51%	3.978%
5	7.680	551	555	560	rBV	692209	1293726	63.74%	4.057%
6	7.772	560	563	571	rVB	788404	1359092	66.96%	4.262%
7	8.240	601	604	608	rBV	195889	340334	16.77%	1.067%
8	8.572	629	633	636	rBV	573714	929621	45.80%	2.915%
9	9.543	713	718	721	rBV	493121	853041	42.03%	2.675%
10	11.143	854	858	861	rBV	268959	443674	21.86%	1.391%
11	11.189	861	862	866	rVB	22665	27820	1.37%	0.087%
12	12.847	1003	1007	1010	rBB2	16680	28030	1.38%	0.088%
13	13.795	1085	1090	1093	rBV	624542	1108007	54.59%	3.474%
14	14.847	1178	1182	1185	rVB	169755	261195	12.87%	0.819%
15	14.927	1186	1189	1192	rBV	23502	37752	1.86%	0.118%
16	15.281	1216	1220	1224	rBV	266573	442040	21.78%	1.386%
17	15.350	1224	1226	1230	rVV	32498	49551	2.44%	0.155%
18	16.584	1332	1334	1339	rVB	19415	33796	1.67%	0.106%
19	17.178	1382	1386	1392	rBV	433237	747239	36.82%	2.343%
20	17.830	1439	1443	1448	rBV	13952	38757	1.91%	0.122%
21	18.790	1523	1527	1529	rBV	246390	431107	21.24%	1.352%
22	18.847	1529	1532	1535	rVV	293656	504565	24.86%	1.582%
23	18.961	1539	1542	1547	rVB	69549	114662	5.65%	0.360%
24	19.441	1580	1584	1587	rBV	38442	64925	3.20%	0.204%
25	20.013	1631	1634	1637	rVV	35357	56712	2.79%	0.178%
26	20.082	1637	1640	1643	rVB	42465	71266	3.51%	0.223%
27	20.230	1651	1653	1658	rVV2	40435	99848	4.92%	0.313%
28	20.322	1658	1661	1667	rVB	23345	51033	2.51%	0.160%
29	20.539	1677	1680	1687	rVB2	97899	208167	10.26%	0.653%
30	20.756	1695	1699	1703	rVB2	29210	71747	3.53%	0.225%
31	21.224	1734	1740	1742	rBV	18086	36489	1.80%	0.114%
32	21.339	1746	1750	1751	rVV3	28145	59690	2.94%	0.187%
33	21.362	1751	1752	1755	rVV2	28958	38543	1.90%	0.121%
34	21.453	1755	1760	1763	rVV	718462	1202726	59.26%	3.771%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	21.567	1765	1770	1772	rBV2	13863	26227	1.29%	0.082%
36	21.613	1772	1774	1776	rVB	20004	25655	1.26%	0.080%
37	21.670	1776	1779	1783	rBV2	23396	40554	2.00%	0.127%
38	21.807	1787	1791	1794	rVV	995019	1264031	62.28%	3.964%
39	21.922	1798	1801	1804	rBV2	36395	74095	3.65%	0.232%
40	22.025	1807	1810	1811	rBV	43315	72421	3.57%	0.227%
41	22.047	1811	1812	1816	rVB	54746	88113	4.34%	0.276%
42	22.127	1816	1819	1821	rBV	647366	716989	35.33%	2.248%
43	22.162	1821	1822	1825	rVB	50659	72285	3.56%	0.227%
44	22.219	1825	1827	1829	rVB	29314	32489	1.60%	0.102%
45	22.310	1829	1835	1837	rBV	119451	314560	15.50%	0.986%
46	22.402	1841	1843	1845	rBV	106463	147117	7.25%	0.461%
47	22.447	1845	1847	1848	rVV	67472	96474	4.75%	0.303%
48	22.516	1851	1853	1855	rVV2	24317	33431	1.65%	0.105%
49	22.562	1855	1857	1858	rVV	68096	82870	4.08%	0.260%
50	22.596	1858	1860	1862	rVB	67789	69645	3.43%	0.218%
51	22.882	1878	1885	1887	rVB2	57539	112407	5.54%	0.352%
52	22.973	1890	1893	1897	rVB3	67635	114630	5.65%	0.359%
53	23.099	1901	1904	1906	rBV	119472	159366	7.85%	0.500%
54	23.145	1906	1908	1910	rVB2	100225	173063	8.53%	0.543%
55	23.190	1910	1912	1914	rBV	100158	119676	5.90%	0.375%
56	23.236	1914	1916	1918	rVB	41763	57798	2.85%	0.181%
57	23.305	1919	1922	1925	rVB	41677	53631	2.64%	0.168%
58	23.396	1925	1930	1932	rBV2	765501	1495118	73.66%	4.688%
59	23.430	1932	1933	1935	rVV	729443	846239	41.69%	2.654%
60	23.465	1935	1936	1938	rVB2	35668	39204	1.93%	0.123%
61	23.510	1938	1940	1942	rBV	170359	168035	8.28%	0.527%
62	23.568	1943	1945	1947	rBV2	33574	41171	2.03%	0.129%
63	23.636	1949	1951	1953	rVB3	117901	144513	7.12%	0.453%
64	23.682	1953	1955	1957	rBV	112712	114026	5.62%	0.358%
65	23.728	1957	1959	1961	rVB2	27750	42547	2.10%	0.133%
66	23.808	1964	1966	1967	rBV	68438	80585	3.97%	0.253%
67	23.853	1967	1970	1971	rBV	82704	118343	5.83%	0.371%
68	23.876	1971	1972	1975	rVB2	43206	66339	3.27%	0.208%
69	23.945	1975	1978	1979	rBV3	72608	98540	4.86%	0.309%
70	23.990	1979	1982	1984	rVB3	58438	112732	5.55%	0.353%
71	24.059	1986	1988	1992	rVB2	83002	151480	7.46%	0.475%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	24.185	1996	1999	2003	rBV5	26389	98680	4.86%	0.309%
73	24.356	2012	2014	2018	rBV	76319	119644	5.89%	0.375%
74	24.505	2024	2027	2031	rVB	951550	2029660	100.00%	6.365%
75	24.596	2031	2035	2036	rBV2	138295	215591	10.62%	0.676%
76	24.653	2038	2040	2041	rBV	54214	76568	3.77%	0.240%
77	24.745	2046	2048	2050	rVV	642908	836771	41.23%	2.624%
78	24.802	2050	2053	2055	rVV	1018915	1219546	60.09%	3.824%
79	24.859	2055	2058	2062	rVV3	277791	720079	35.48%	2.258%
80	24.996	2066	2070	2074	rVV2	90593	266320	13.12%	0.835%
81	25.076	2074	2077	2082	rVB3	81648	193209	9.52%	0.606%
82	25.156	2082	2084	2086	rBV	29887	45824	2.26%	0.144%
83	25.248	2086	2092	2094	rBV3	81739	187150	9.22%	0.587%
84	25.476	2111	2112	2118	rVB5	29439	74790	3.68%	0.235%
85	25.591	2118	2122	2124	rBV3	37795	89552	4.41%	0.281%
86	25.636	2124	2126	2128	rBV2	34722	60860	3.00%	0.191%
87	25.785	2134	2139	2144	rBV4	87063	281705	13.88%	0.883%
88	25.911	2144	2150	2152	rBV	415538	785190	38.69%	2.462%
89	25.956	2152	2154	2156	rVB	24827	33167	1.63%	0.104%
90	26.025	2157	2160	2161	rBV2	85694	150760	7.43%	0.473%
91	26.059	2161	2163	2165	rVB	85341	119548	5.89%	0.375%
92	26.208	2172	2176	2182	rBV	294067	638453	31.46%	2.002%
93	26.368	2188	2190	2196	rVB2	95025	217119	10.70%	0.681%
94	26.459	2196	2198	2202	rVB3	20225	41361	2.04%	0.130%
95	26.608	2209	2211	2214	rBV3	15992	37055	1.83%	0.116%
96	26.665	2214	2216	2220	rVB3	23040	43550	2.15%	0.137%
97	26.996	2241	2245	2257	rVB4	47822	180044	8.87%	0.565%
98	27.671	2300	2304	2307	rBV4	14796	30815	1.52%	0.097%
99	27.762	2307	2312	2317	rVB	69319	173943	8.57%	0.545%
100	27.888	2319	2323	2326	rBV	52017	147989	7.29%	0.464%

Sum of corrected areas: 31890263

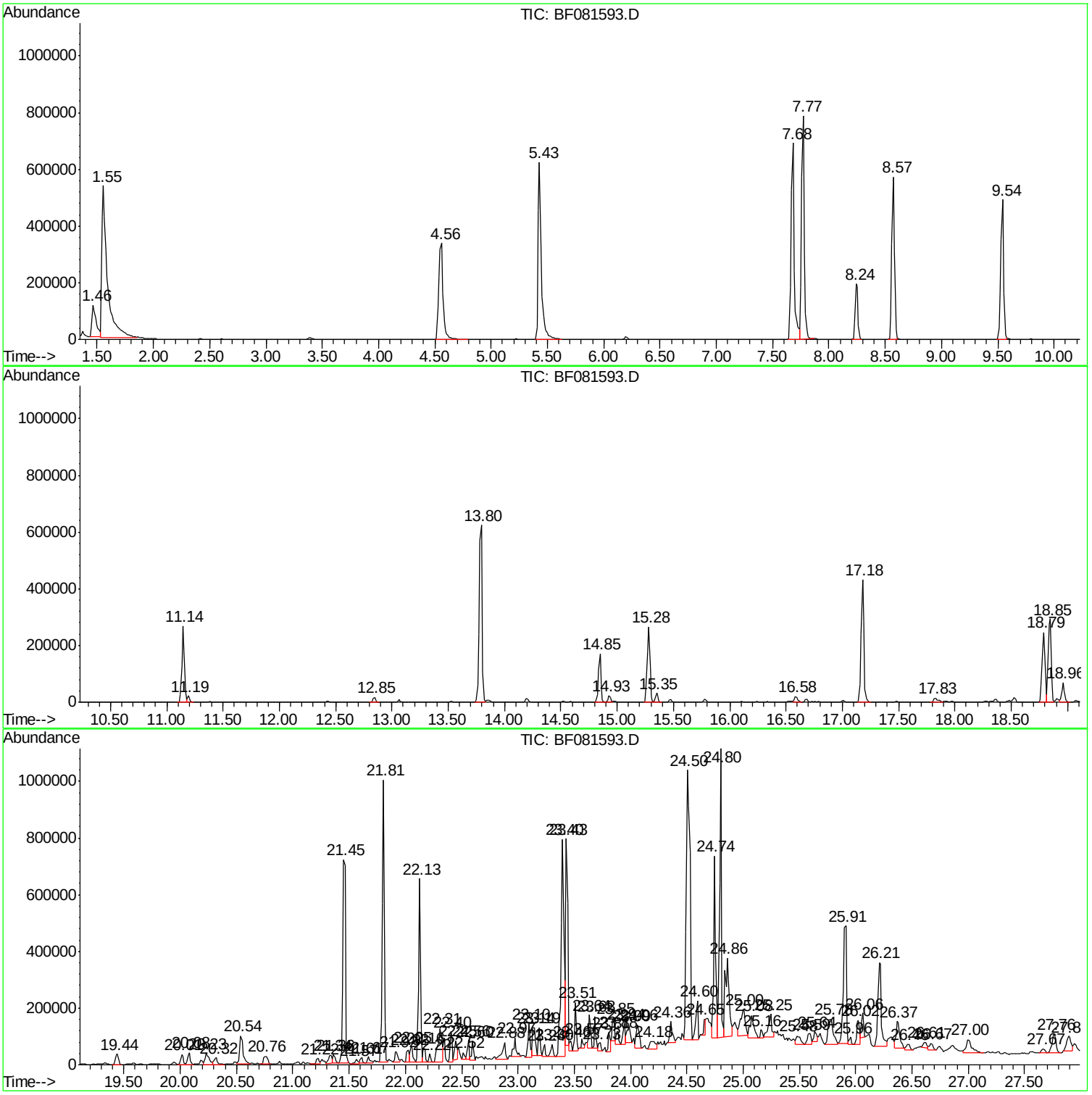
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

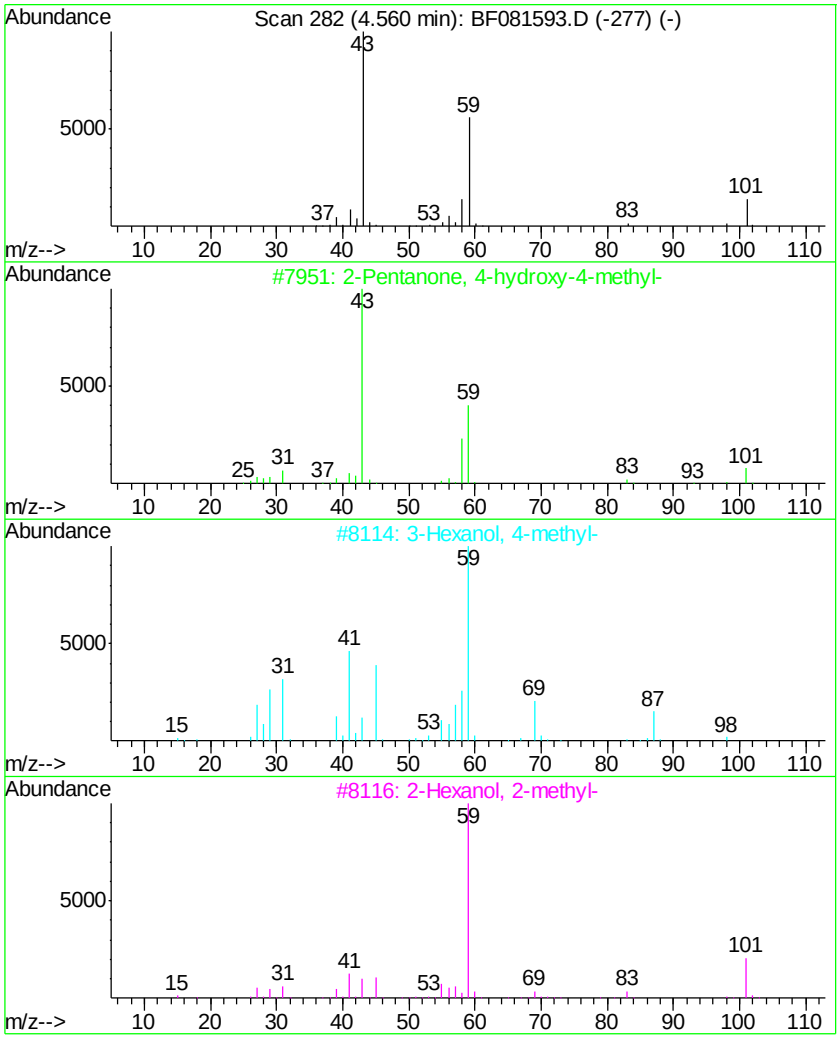
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

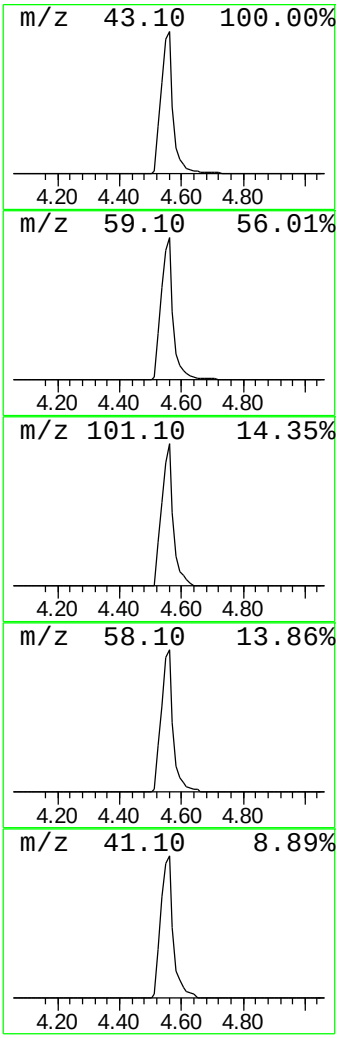
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	53.17 ng	904782	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Octanol	130	C8H18O	000589-98-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

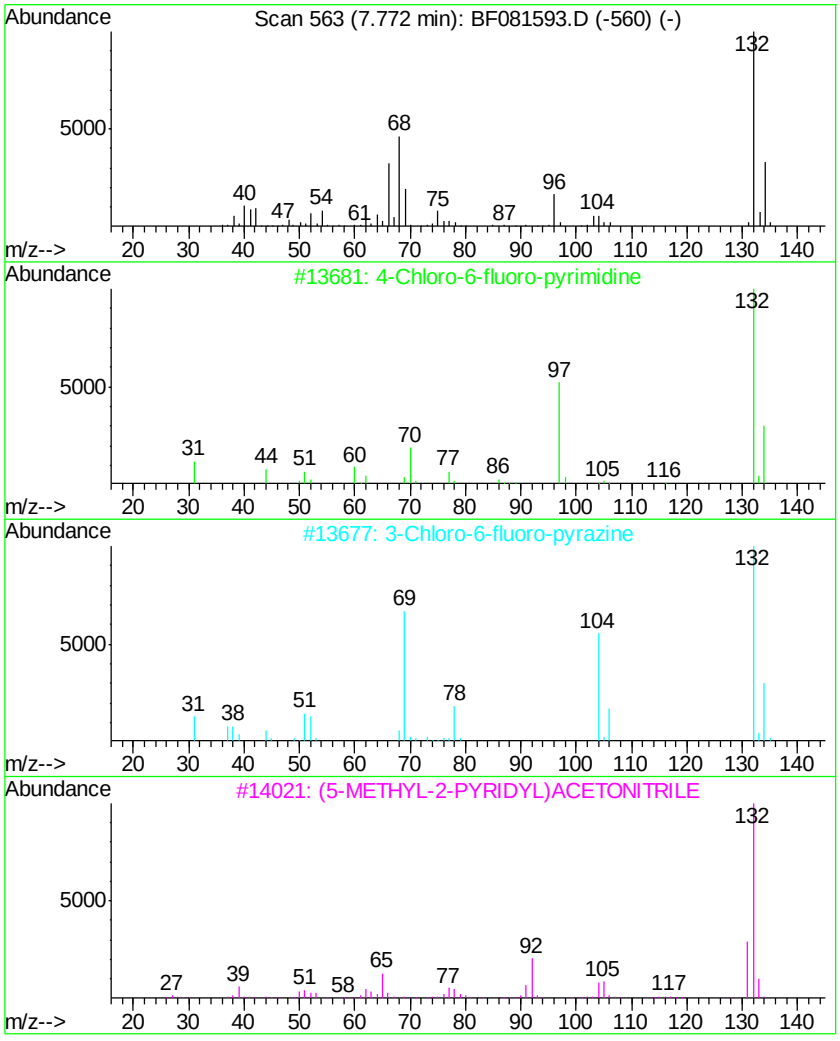
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

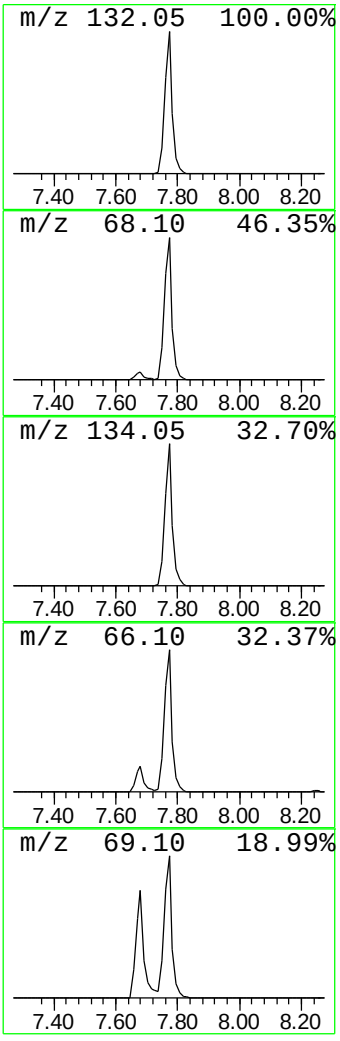
****

Peak Number 4 unknown7.77 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	79.87 ng	1359090	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

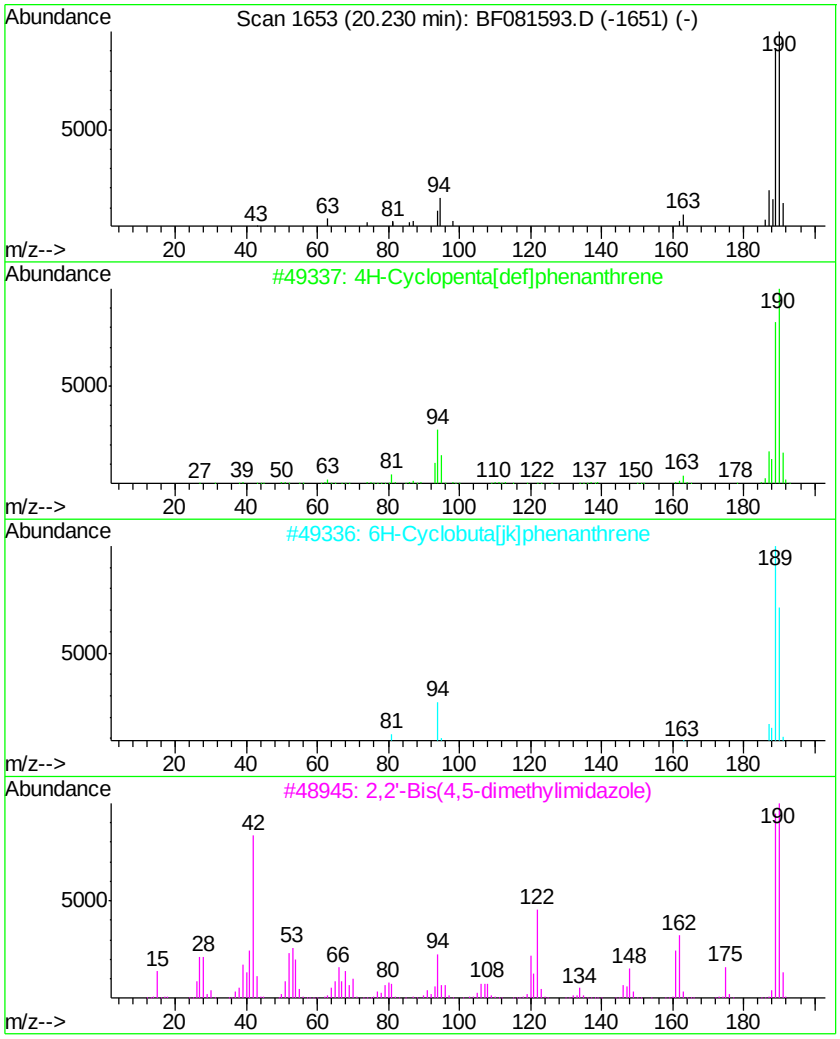
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

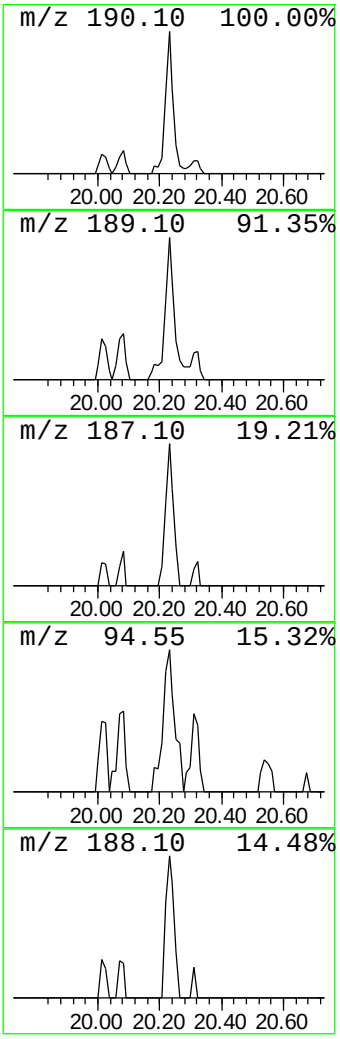
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	4.63 ng	99848	Phenanthrene-d10	18.79

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	78
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	64
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	36
5	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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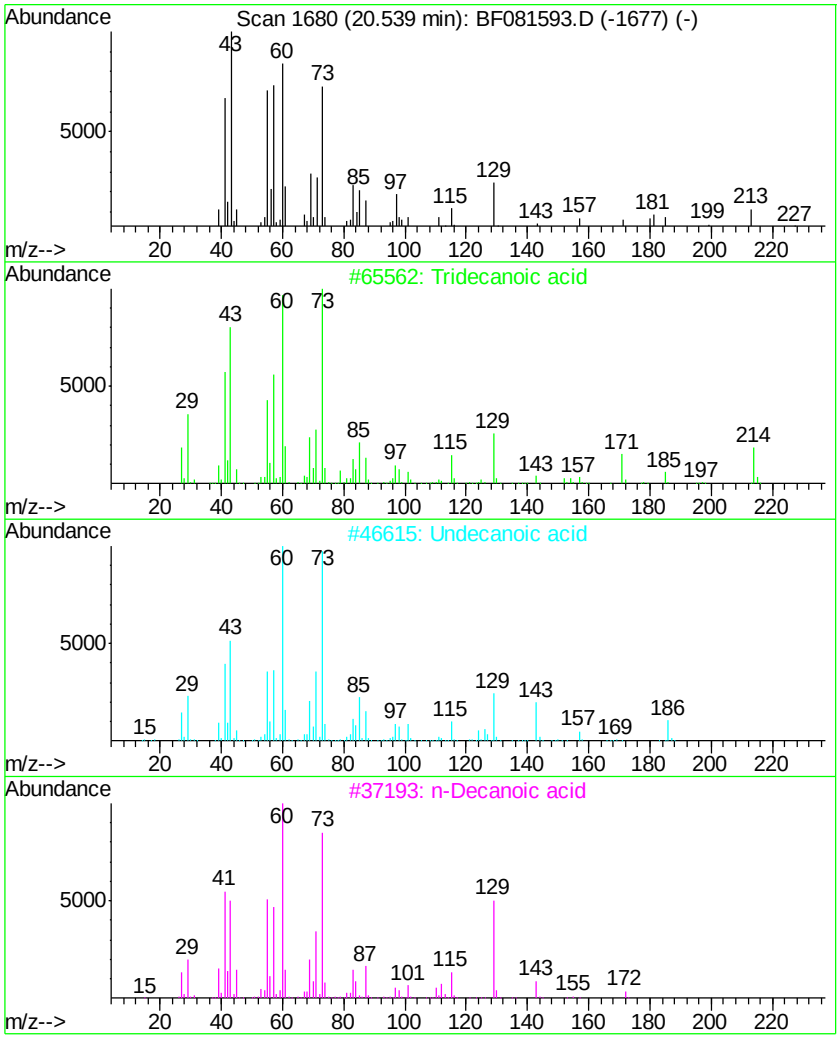
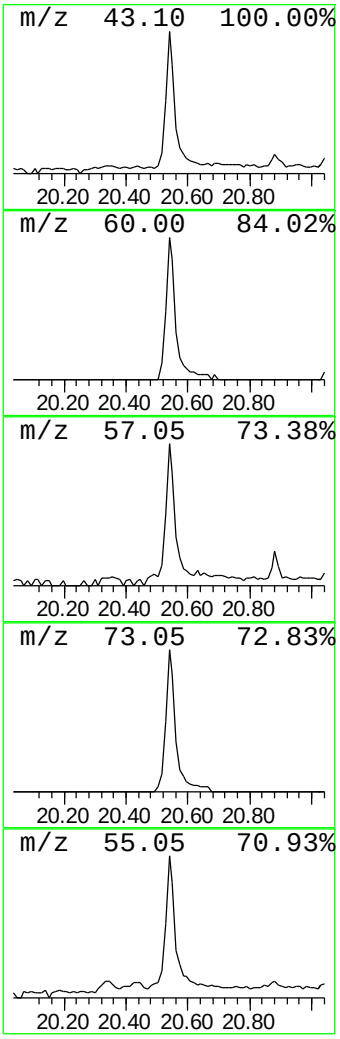
Peak Number 7 Tridecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	9.66 ng	208167	Phenanthrene-d10	18.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	72
2	Undecanoic acid	186	C11H22O2	000112-37-8	64
3	n-Decanoic acid	172	C10H20O2	000334-48-5	53
4	Dodecanoic acid	200	C12H24O2	000143-07-7	43
5	Hydrazinecarbothioamide, 2-(2-th...	185	C6H7N3S2	005351-91-7	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

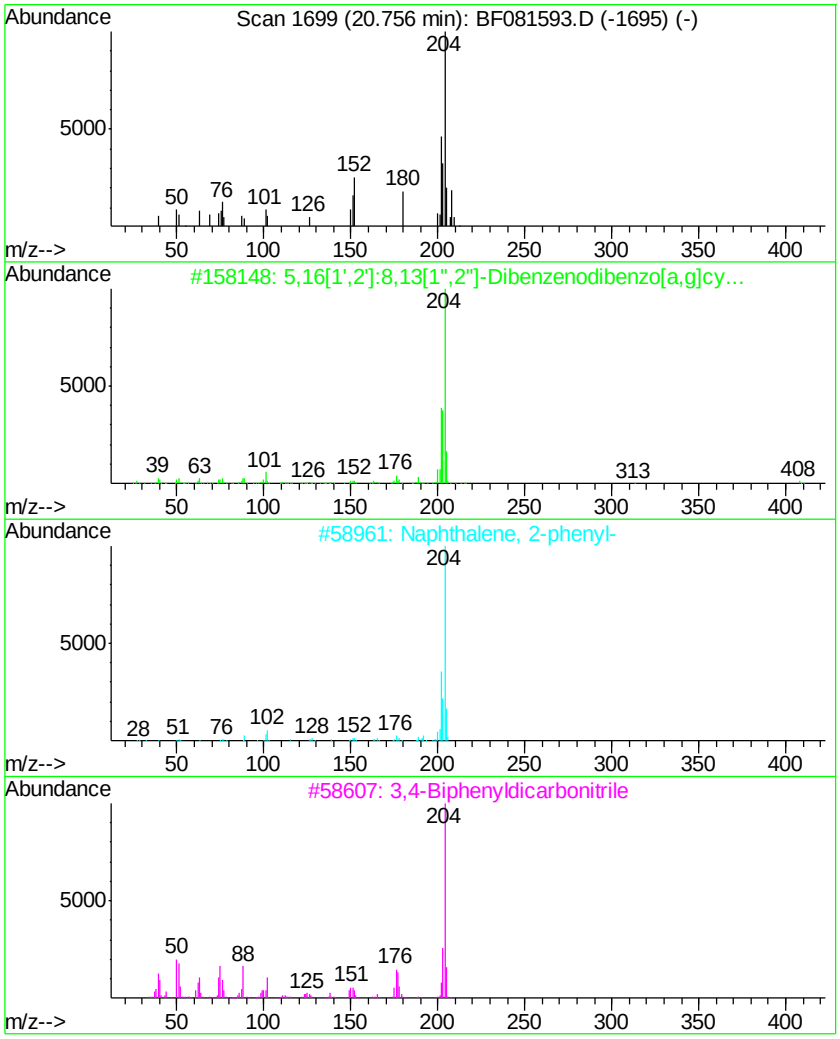
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

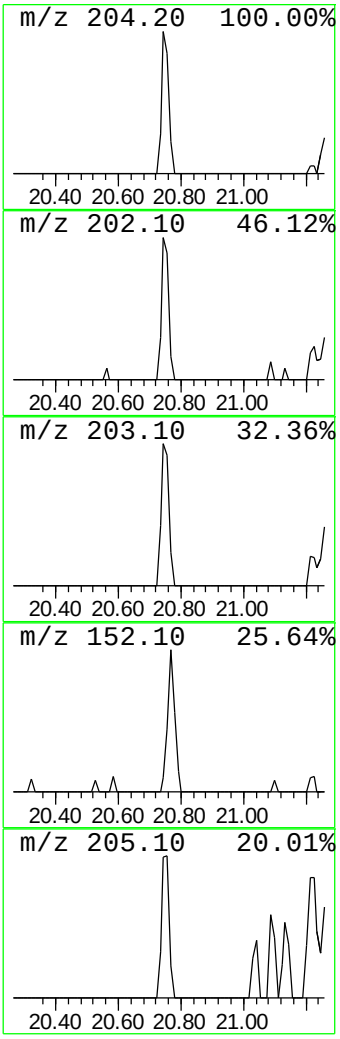
****

Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.33 ng	71747	Phenanthrene-d10	18.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	43
5	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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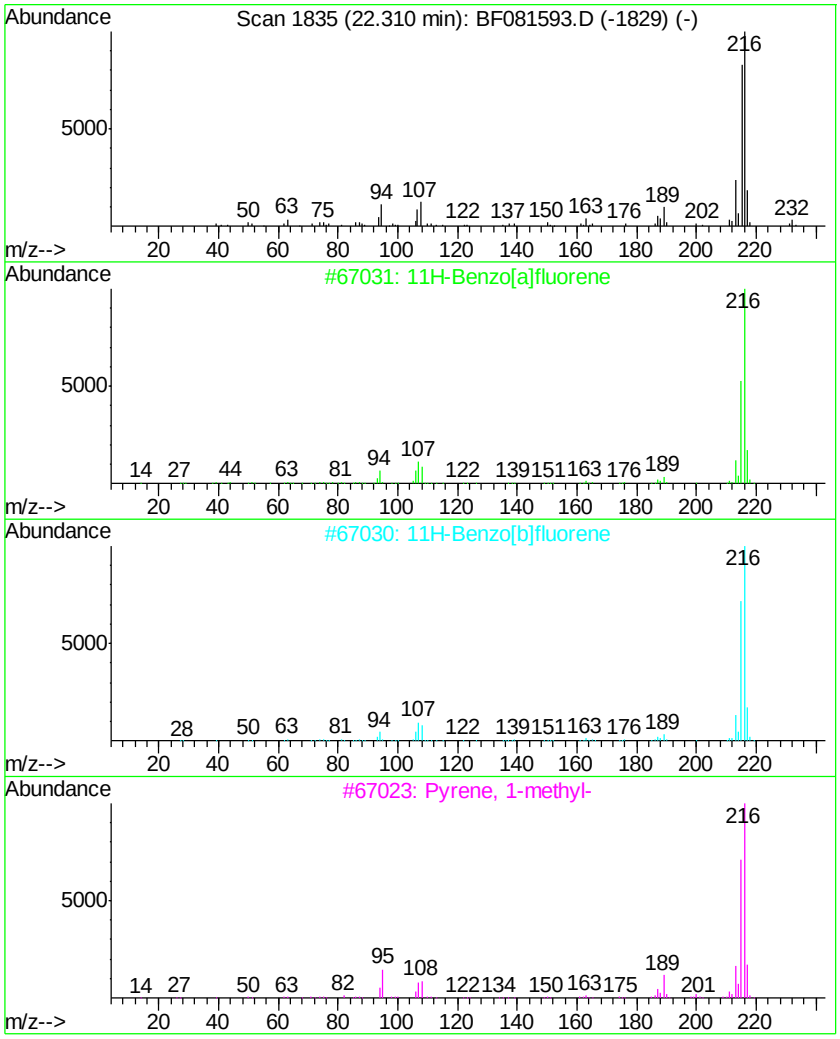
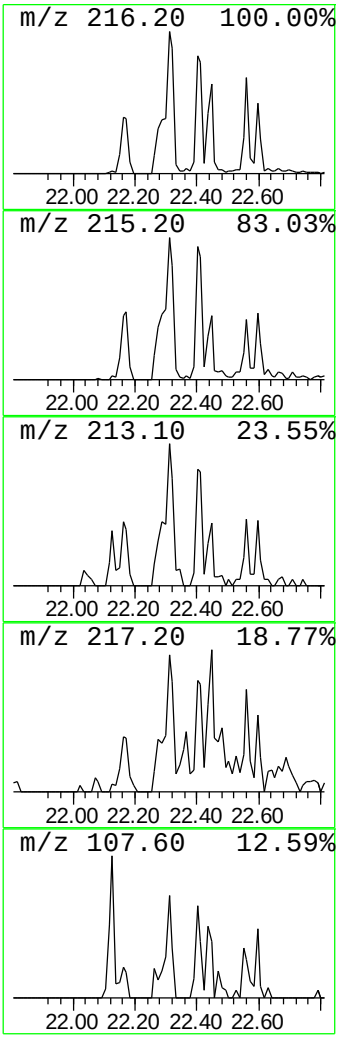
Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.31	4.21 ng	314560	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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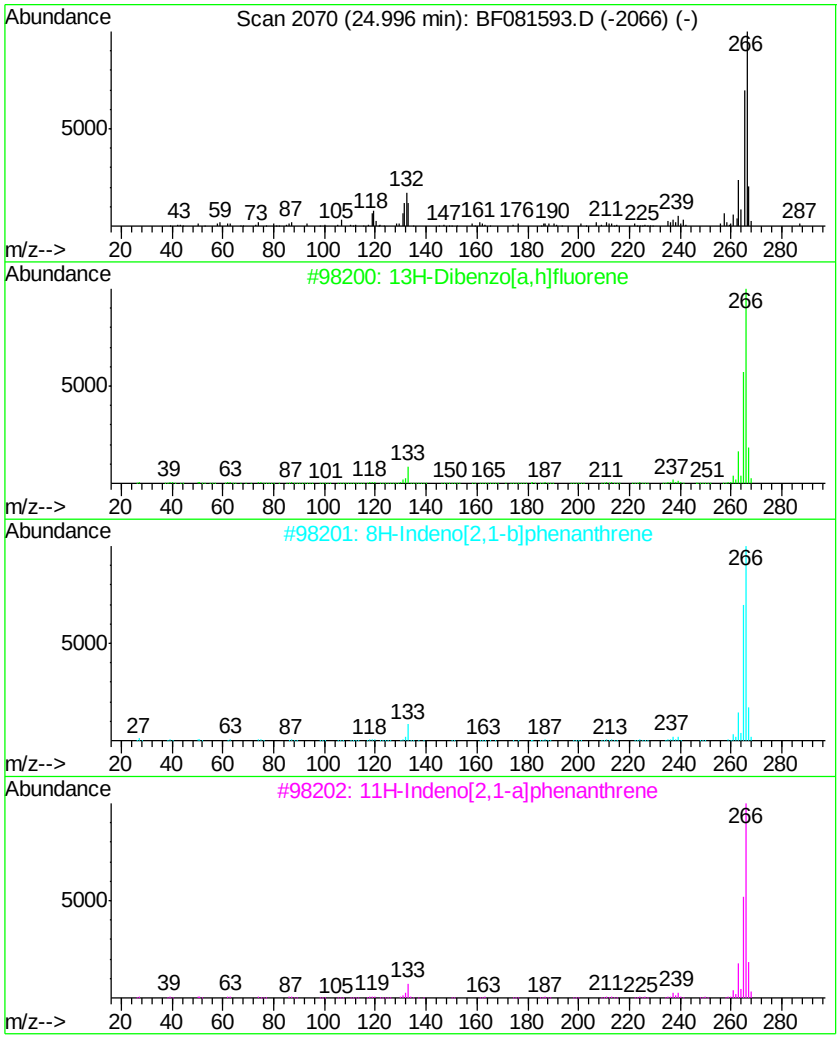
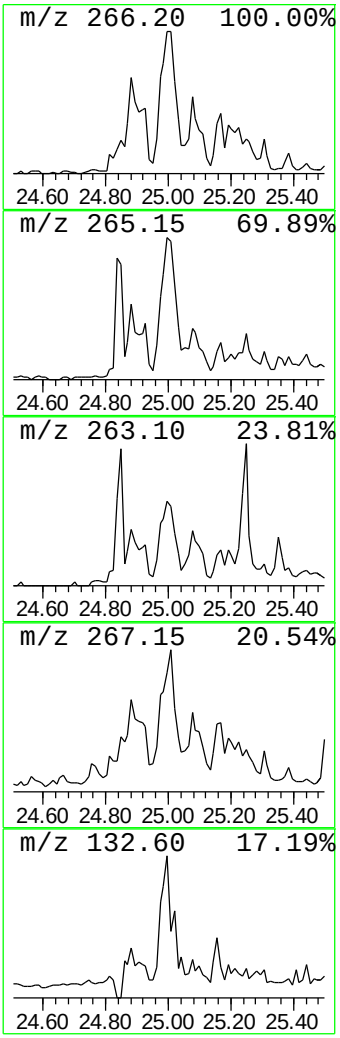
Peak Number 12 13H-Dibenzo[a,h]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.00	7.40 ng	266320	Perylene-d12	24.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	90
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	87
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	81
4	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	64
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	64





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Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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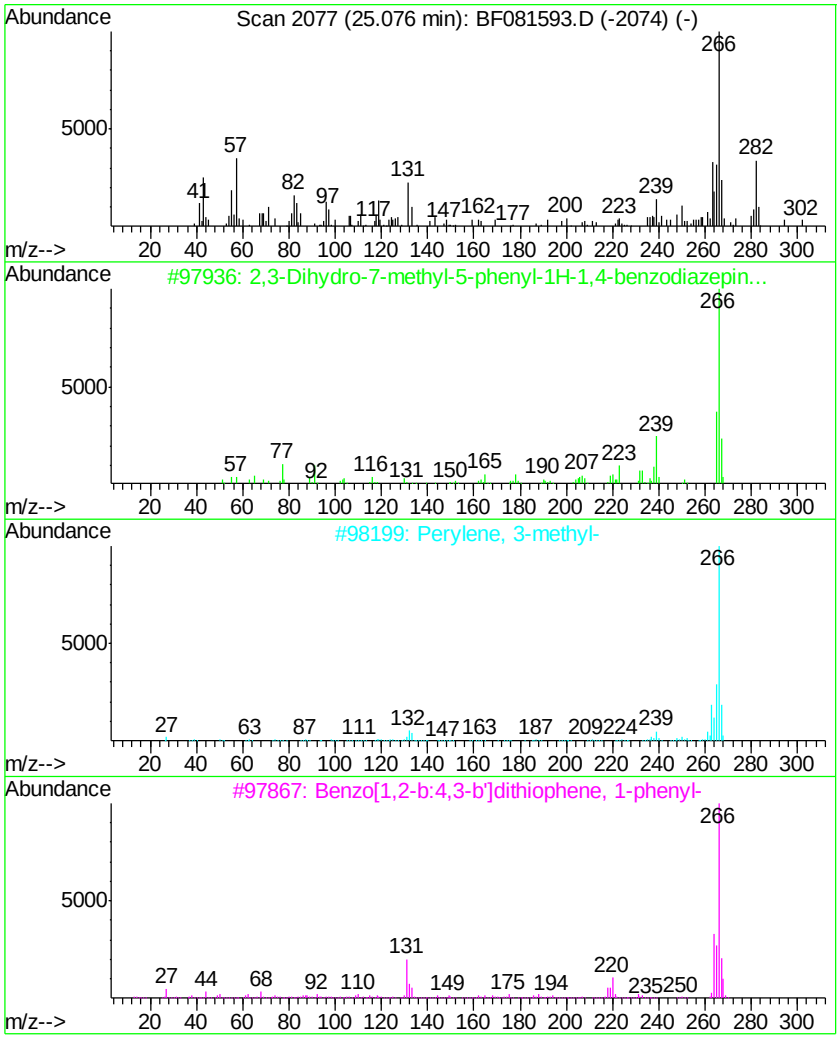
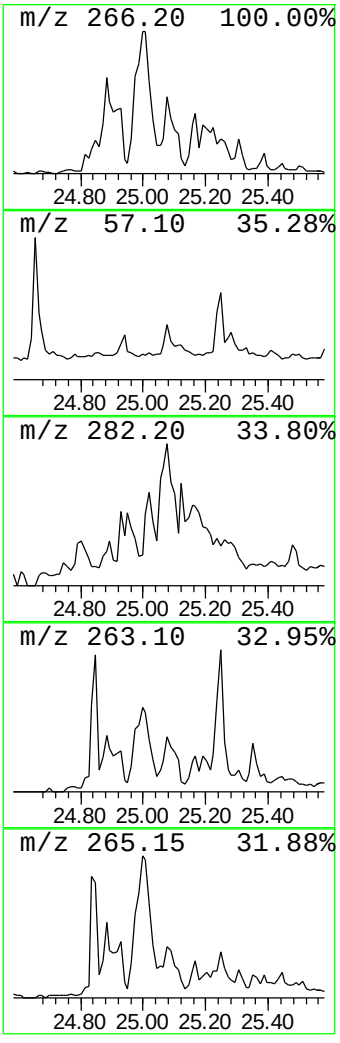
Peak Number 13 2,3-Dihydro-7-methyl-5-phen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.08	5.37 ng	193209	Perylene-d12	24.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	55
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	53
3	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	52
4	6-Ethylphenazine-1-carboxylic ac...	266	C16H14N2O2	261351-38-6	49
5	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	49





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Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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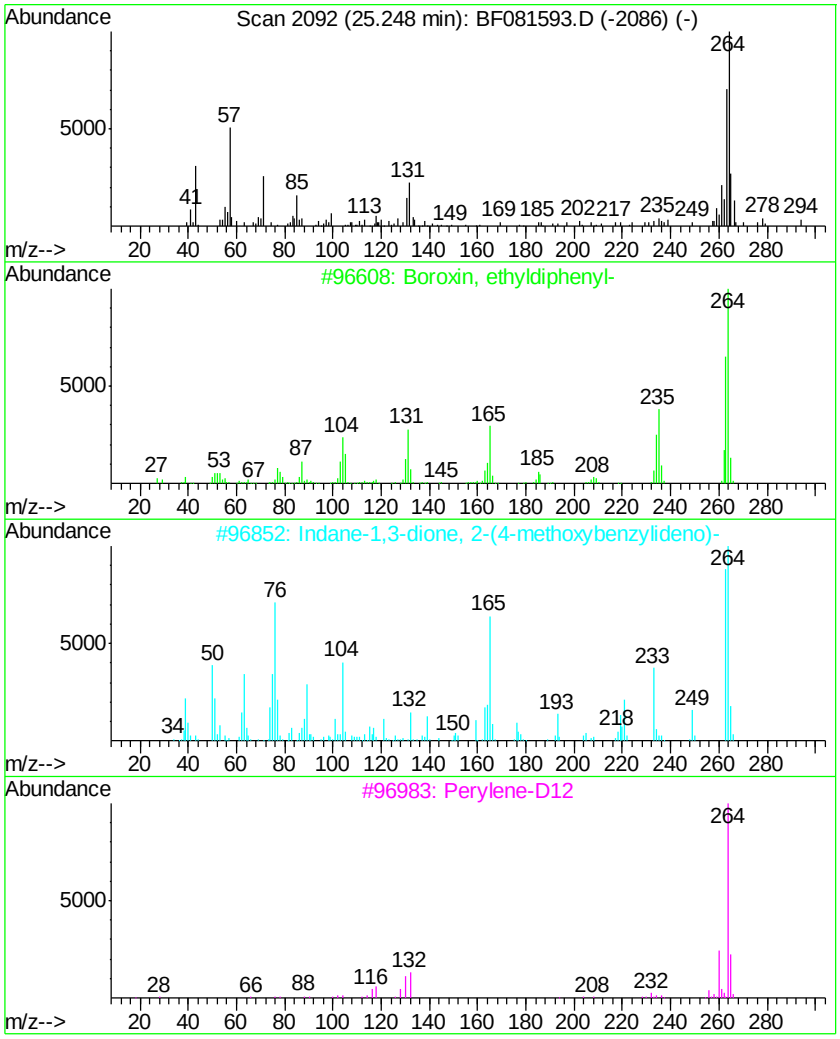
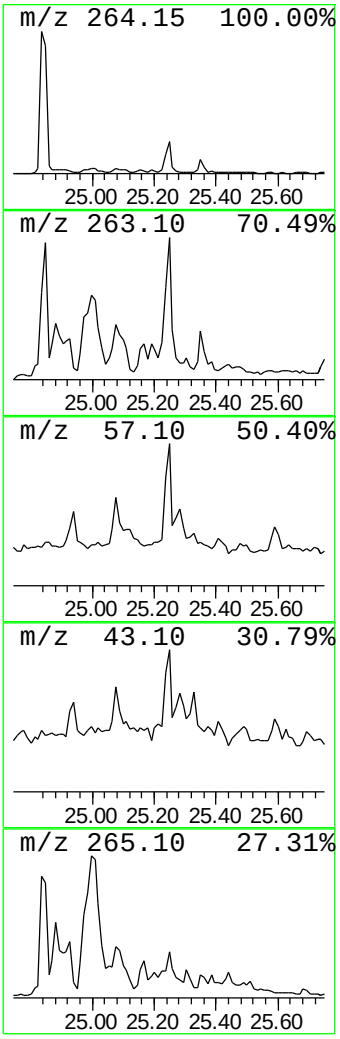
Peak Number 14 Boroxin, ethyldiphenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.25	5.20 ng	187150	Perylene-d12	24.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	64
2	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	47
3	Perylene-D12	264	C20D12	001520-96-3	38
4	9H-Purin-6-amine, N,9-bis(trimet...	279	C11H21N5Si2	017995-04-9	38
5	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	28





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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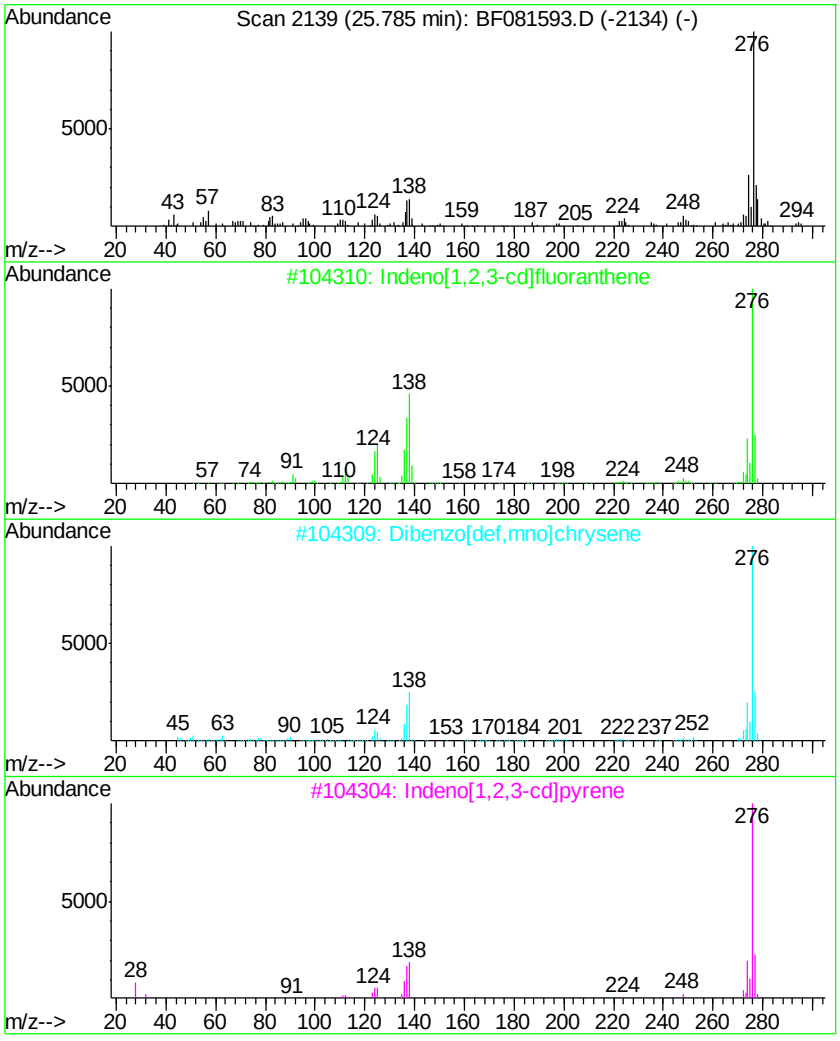
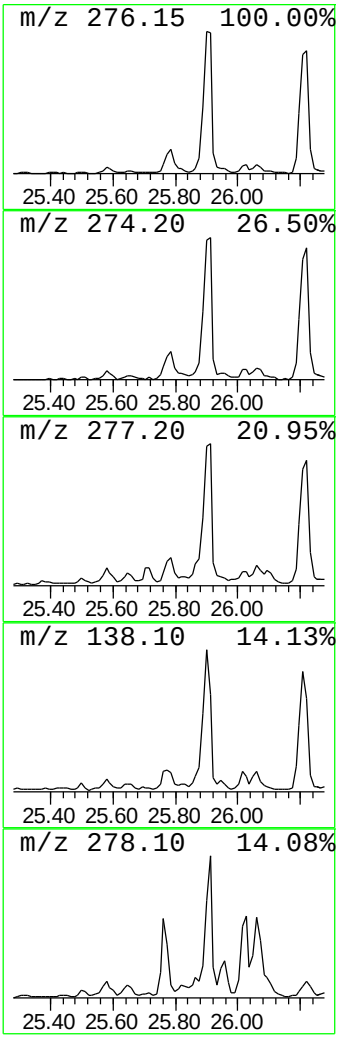
Peak Number 15 Indeno[1,2,3-cd]fluoranthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.78	7.82 ng	281705	Perylene-d12	24.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	89
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	89
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	89
5	2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	59





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Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
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TIC Library : C:\DATABASE\NIST02.L
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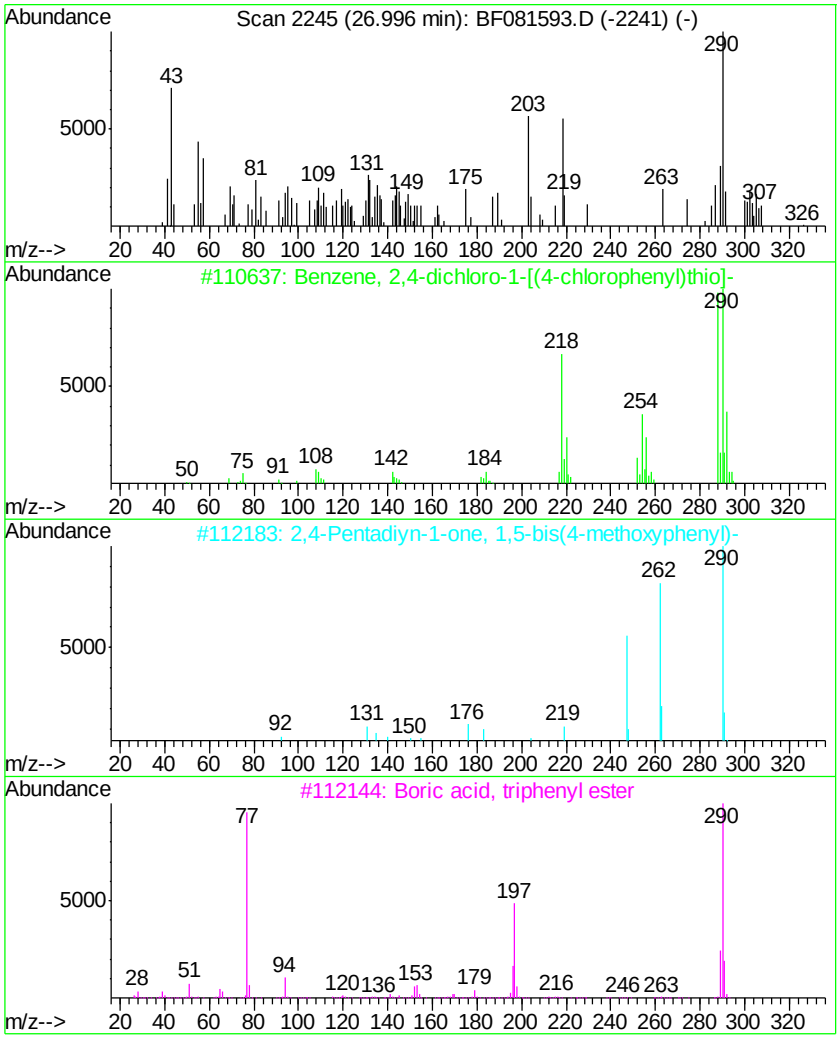
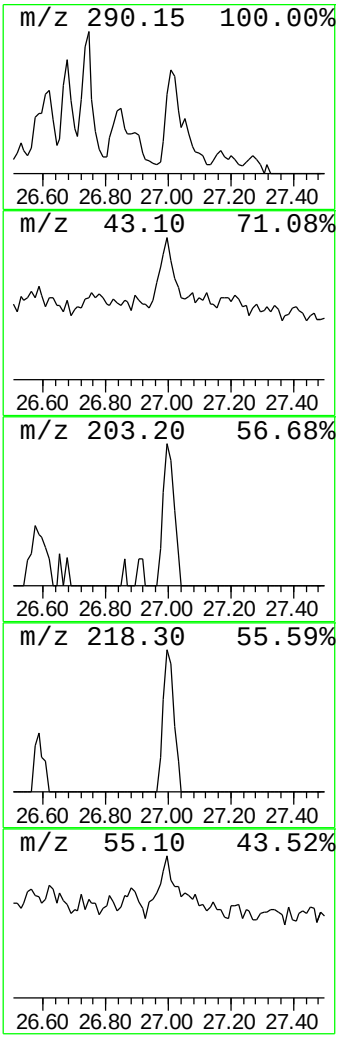
Peak Number 18 unknown27.00 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.00	5.00 ng	180044	Perylene-d12	24.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	35
2	2,4-Pentadiyn-1-one, 1,5-bis(4-m...	290	C19H14O3	029372-67-6	22
3	Boric acid, triphenyl ester	290	C18H15BO3	001095-03-0	22
4	2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	15
5	1,2,3,4,7b,8,9,10,11,11a,12,13-D...	290	C22H26	000153-29-7	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081593.D
Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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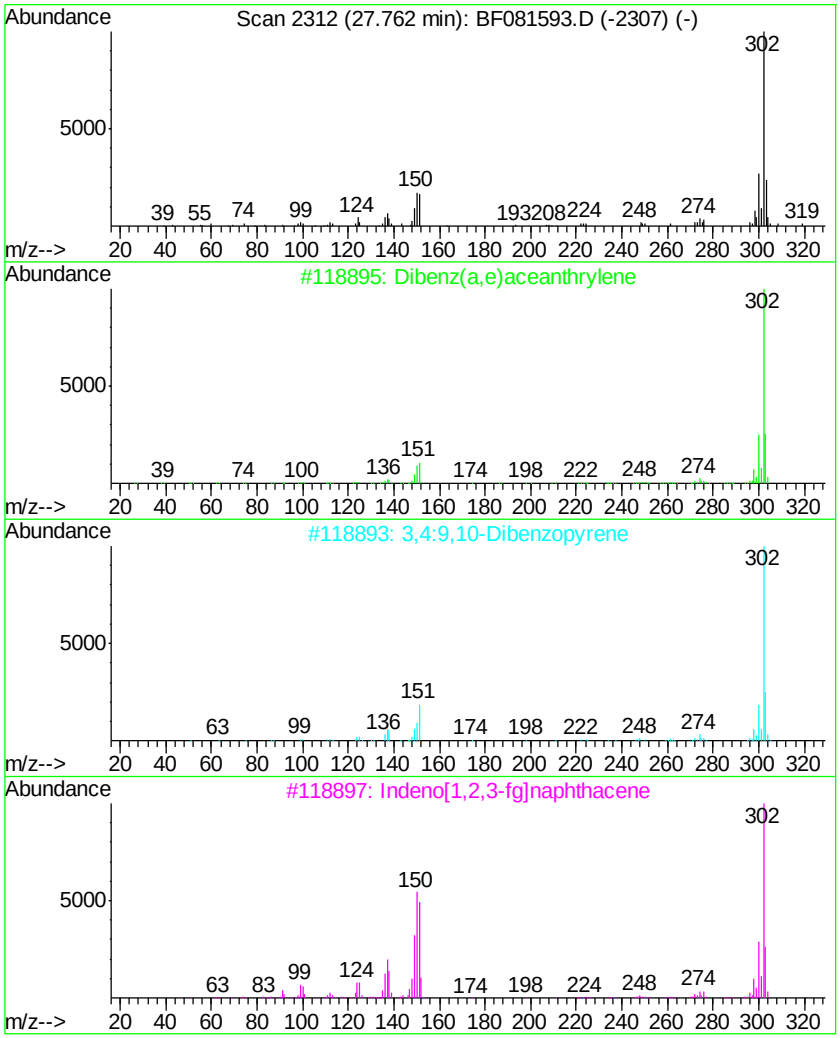
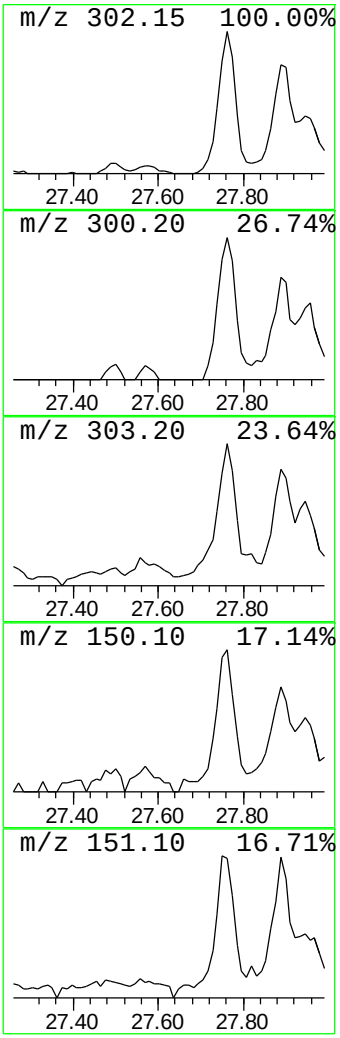
Peak Number 19 Dibenz(a,e)aceanthrylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.76	4.83 ng	173943	Perylene-d12	24.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	97
3	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	96
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	94





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Operator : UM/IZ
Sample : G3511-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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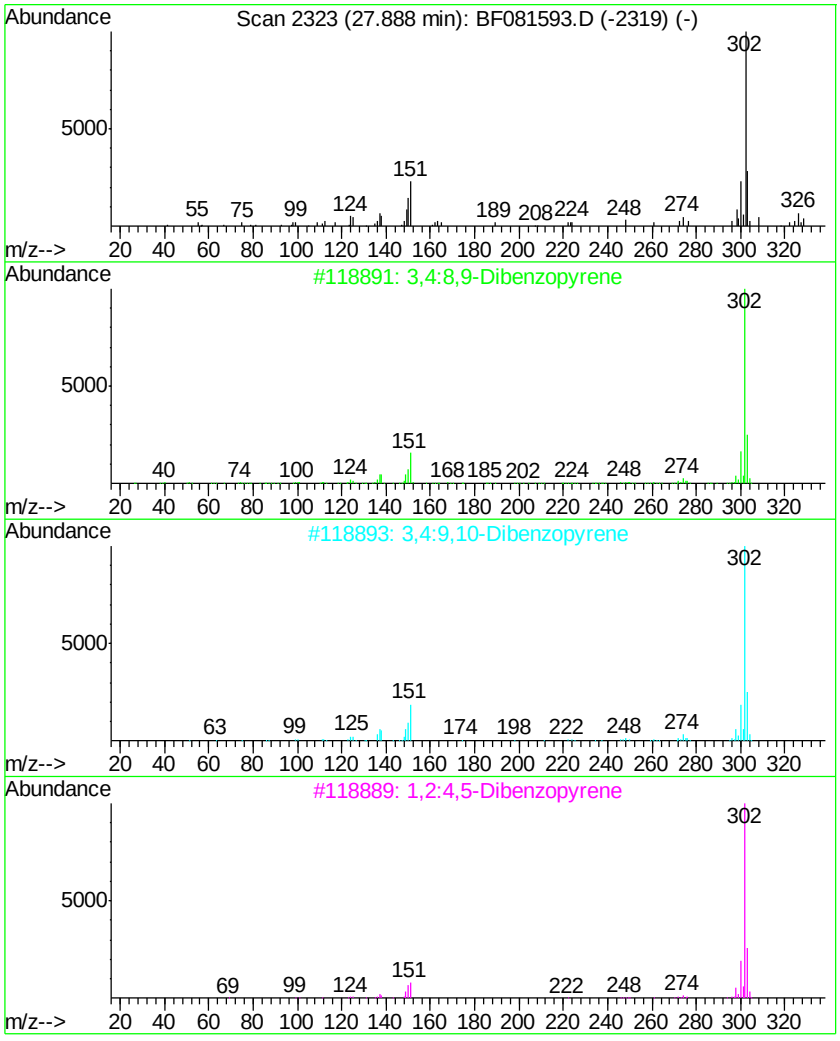
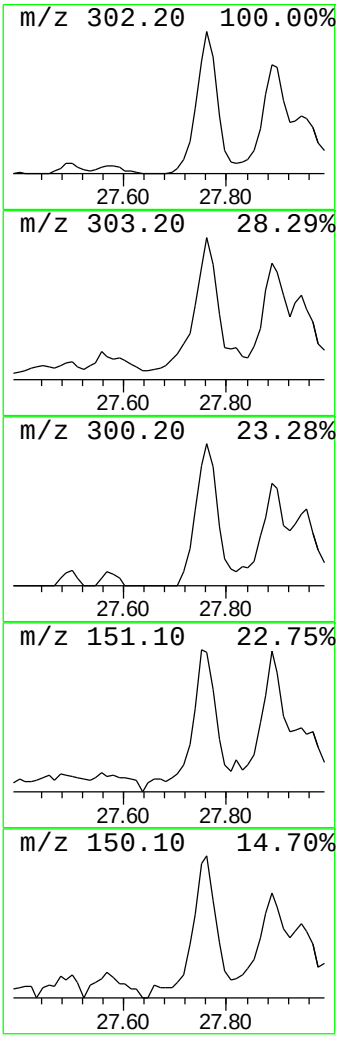
Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.89	4.11 ng	147989	Perylene-d12	24.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	89
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	70
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	64





Tentatively Identified Compound (LSC) summary

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Acq On : 11 Sep 2015 20:33
Operator : UM/IZ
Sample : G3511-07
Misc :
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Instrument : BNA_F
ClientSampleId : SB-04(0-0.16)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.56	53.2	ng	904782	1	8.25	340334	20.0
unknown7.77	7.77	79.9	ng	1359090	1	8.25	340334	20.0
4H-Cyclopenta[def...	20.23	4.6	ng	99848	4	18.79	431107	20.0
Tridecanoic acid	20.54	9.7	ng	208167	4	18.79	431107	20.0
5,16[1',2']:8,13[...	20.76	3.3	ng	71747	4	18.79	431107	20.0
11H-Benzo[a]fluorene	22.31	4.2	ng	314560	5	23.41	1495120	20.0
13H-Dibenzo[a,h]f...	25.00	7.4	ng	266320	6	24.84	720079	20.0
2,3-Dihydro-7-met...	25.08	5.4	ng	193209	6	24.84	720079	20.0
Boroxin, ethyldip...	25.25	5.2	ng	187150	6	24.84	720079	20.0
Indeno[1,2,3-cd]f...	25.78	7.8	ng	281705	6	24.84	720079	20.0
unknown27.00	27.00	5.0	ng	180044	6	24.84	720079	20.0
Dibenz(a,e)aceant...	27.76	4.8	ng	173943	6	24.84	720079	20.0
3,4:8,9-Dibenzopy...	27.89	4.1	ng	147989	6	24.84	720079	20.0