LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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	1.462	9	11	17	rBV	32446	83012	4.15%	0.263%
2	1.554	17	19	53	rVB	196025	690418	34.54%	2.190%
3	3.371	176	178	184	rBV2	9643	23760	1.19%	0.075%
4	4.560	277	282	299	rBV	420559	1272137	63.64%	4.034%
5	5.429	354	358	374	rBV	898896	1814246	90.75%	5.754%
6	6.194	422	425	431	rBB	12461	20968	1.05%	0.066%
7	7.680	550	555	559	rBV	967132	1865558	93.32%	5.916%
8	7.772	559	563	566	rVB	1104419	1836088	91.85%	5.823%
9	8.252	601	605	609	rBV	217409	359483	17.98%	1.140%
10	8.583	629	634	637	rBV	772530	1399075	69.99%	4.437%
11	9.555	713	719	721	rBV	633653	1227663	61.41%	3.893%
12	11.143	854	858	861	rBV	271505	452889	22.65%	1.436%
13	13.795	1085	1090	1093	rBV	1111254	1999106	100.00%	6.340%
14	14.687	1165	1168	1171	rBB	11913	20072	1.00%	0.064%
15	14.847	1178	1182	1185	rBV	243768	364333	18.22%	1.155%
16	14.927	1186	1189	1196	rVB	61603	103860	5.20%	0.329%
17	15.281	1216	1220	1224	rBV	278609	454843	22.75%	1.442%
18	15.350	1224	1226	1230	rVV	12772	20655	1.03%	0.066%
19	16.584	1332	1334	1340	rVB	16267	33572	1.68%	0.106%
20	17.190	1382	1387	1390	rBV	643059	1146896	57.37%	3.637%
21	17.818	1438	1442	1448	rBV	20932	50947	2.55%	0.162%
22	18.356	1487	1489	1493	rVV2	13571	24296	1.22%	0.077%
23	18.790	1523	1527	1529	rBV	246564	437955	21.91%	1.389%
24	18.836	1529	1531	1535	rVV	203443	346796	17.35%	1.100%
25	18.904	1535	1537	1539	rVV3	18515	32310	1.62%	0.102%
26	18.961	1539	1542	1549	rVB	88834	151065	7.56%	0.479%
27	19.441	1581	1584	1587	rBV	32511	51388	2.57%	0.163%
28	19.761	1606	1612	1614	rBV2	6460	21668	1.08%	0.069%
29	19.944	1620	1628	1631	rBV3	18877	39036	1.95%	0.124%
30	20.013	1631	1634	1637	rBV	30976	48804	2.44%	0.155%
31	20.081	1637	1640	1644	rBV	35953	61297	3.07%	0.194%
32	20.184	1644	1649	1651	rBV2	25818	49093	2.46%	0.156%
33	20.230	1651	1653	1657	rVV2	25633	73428	3.67%	0.233%
34	20.321	1657	1661	1667	rVB2	20927	59648	2.98%	0.189%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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	20.436	1667	1671	1674	rBV2	23139	48355	2.42%	0.153%
36	20.550	1677	1681	1688	rVV	176753	390582	19.54%	1.239%
37	20.767	1696	1700	1703	rVB2	34864	83074	4.16%	0.263%
38	20.881	1707	1710	1712	rBV	20745	33194	1.66%	0.105%
39	21.042	1719	1724	1726	rBV4	10431	27914	1.40%	0.089%
40	21.224	1736	1740	1742	rBV	32937	71629	3.58%	0.227%
41	21.327	1746	1749	1751	rVV2	31070	52362	2.62%	0.166%
42	21.362	1751	1752	1756	rVB3	15679	26241	1.31%	0.083%
43	21.453	1756	1760	1763	rBV	480198	634660	31.75%	2.013%
44	21.567	1766	1770	1772	rBV2	20486	52449	2.62%	0.166%
45	21.602	1772	1773	1776	rVB2	21478	32797	1.64%	0.104%
46	21.796	1787	1790	1794	rBV	467105	732533	36.64%	2.323%
47	21.922	1798	1801	1804	rBV2	71510	145425	7.27%	0.461%
48	22.024	1808	1810	1811	rBV	30416	48687	2.44%	0.154%
49	22.047	1811	1812	1816	rVB	34461	66107	3.31%	0.210%
50	22.139	1816	1820	1821	rBV	952772	1490753	74.57%	4.728%
51	22.173	1821	1823	1825	rVB	38954	62885	3.15%	0.199%
52	22.219	1825	1827	1829	rBV2	15952	24233	1.21%	0.077%
53	22.287	1829	1833	1834	rBV	50754	113545	5.68%	0.360%
54	22.322	1834	1836	1841	rVB2	63788	130260	6.52%	0.413%
55	22.402	1841	1843	1845	rBV	46236	69444	3.47%	0.220%
56	22.447	1845	1847	1848	rBV	70265	88731	4.44%	0.281%
57	22.562	1854	1857	1859	rBV2	74450	94147	4.71%	0.299%
58	22.596	1859	1860	1862	rVB	57002	53581	2.68%	0.170%
59	22.630	1862	1863	1864	rBV	15910	20711	1.04%	0.066%
60	22.687	1866	1868	1870	rBV2	21053	37470	1.87%	0.119%
61	22.825	1878	1880	1881	rBV	28751	44459	2.22%	0.141%
62	22.973	1888	1893	1895	rBV2	104284	188174	9.41%	0.597%
63	23.099	1901	1904	1906	rBV	92441	130477	6.53%	0.414%
64	23.133	1906	1907	1910	rVB2	74937	117992	5.90%	0.374%
65	23.190	1910	1912	1914	rBV2	62414	76427	3.82%	0.242%
66	23.236	1914	1916	1920	rBV	70097	100308	5.02%	0.318%
67	23.305	1920	1922	1924	rBV2	26435	33821	1.69%	0.107%
68	23.396	1925	1930	1932	rBV3	460757	1088685	54.46%	3.453%
69	23.430	1932	1933	1935	rVB	443482	376874	18.85%	1.195%
70	23.476	1935	1937	1938	rBV2	16080	20329	1.02%	0.064%
71	23.510	1938	1940	1942	rBV	194272	198632	9.94%	0.630%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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	23.567	1944	1945	1946	rBV	33325	41144	2.06%	0.130%
73	23.636	1949	1951	1954	rVB2	64215	92791	4.64%	0.294%
74	23.682	1954	1955	1957	rBV2	44611	58044	2.90%	0.184%
75	23.727	1957	1959	1962	rBV4	31530	60231	3.01%	0.191%
76	23.853	1965	1970	1971	rBV	191611	360222	18.02%	1.142%
77	23.888	1971	1973	1975	rVB	64273	58835	2.94%	0.187%
78	24.059	1986	1988	1992	rVB2	145792	234277	11.72%	0.743%
79	24.368	2013	2015	2017	rBV2	56317	57680	2.89%	0.183%
80	24.505	2024	2027	2031	rBV	559042	1101396	55.09%	3.493%
81	24.596	2033	2035	2036	rVV	105411	110214	5.51%	0.350%
82	24.676	2038	2042	2046	rVV2	187693	493393	24.68%	1.565%
83	24.756	2046	2049	2051	rVV	444642	750788	37.56%	2.381%
84	24.802	2051	2053	2055	rVV	482190	603215	30.17%	1.913%
85	24.848	2055	2057	2066	rVB3	228575	635638	31.80%	2.016%
86	25.088	2075	2078	2079	rBV2	218375	328367	16.43%	1.041%
87	25.248	2090	2092	2094	rBV3	78595	117362	5.87%	0.372%
88	25.488	2111	2113	2116	rVB2	89896	130864	6.55%	0.415%
89	25.693	2129	2131	2134	rVB2	102297	177152	8.86%	0.562%
90	25.796	2136	2140	2146	rVB4	116341	324336	16.22%	1.029%
91	25.911	2147	2150	2153	rVB	252697	436349	21.83%	1.384%
92	26.002	2156	2158	2159	rBV	38889	63135	3.16%	0.200%
93	26.071	2162	2164	2167	rVB2	88991	149489	7.48%	0.474%
94	26.219	2174	2177	2182	rVB	172461	358490	17.93%	1.137%
95	26.299	2182	2184	2190	rVB4	88772	188742	9.44%	0.599%
96	26.631	2210	2213	2220	rVB5	76364	237597	11.89%	0.754%
97	27.008	2242	2246	2259	rVB6	94117	410491	20.53%	1.302%
98	27.682	2302	2305	2309	rVB3	40578	105344	5.27%	0.334%
99	27.785	2310	2314	2319	rVB3	47060	138367	6.92%	0.439%
100	27.911	2322	2325	2328	rBV2	27431	63334	3.17%	0.201%

Sum of corrected areas: 31531599

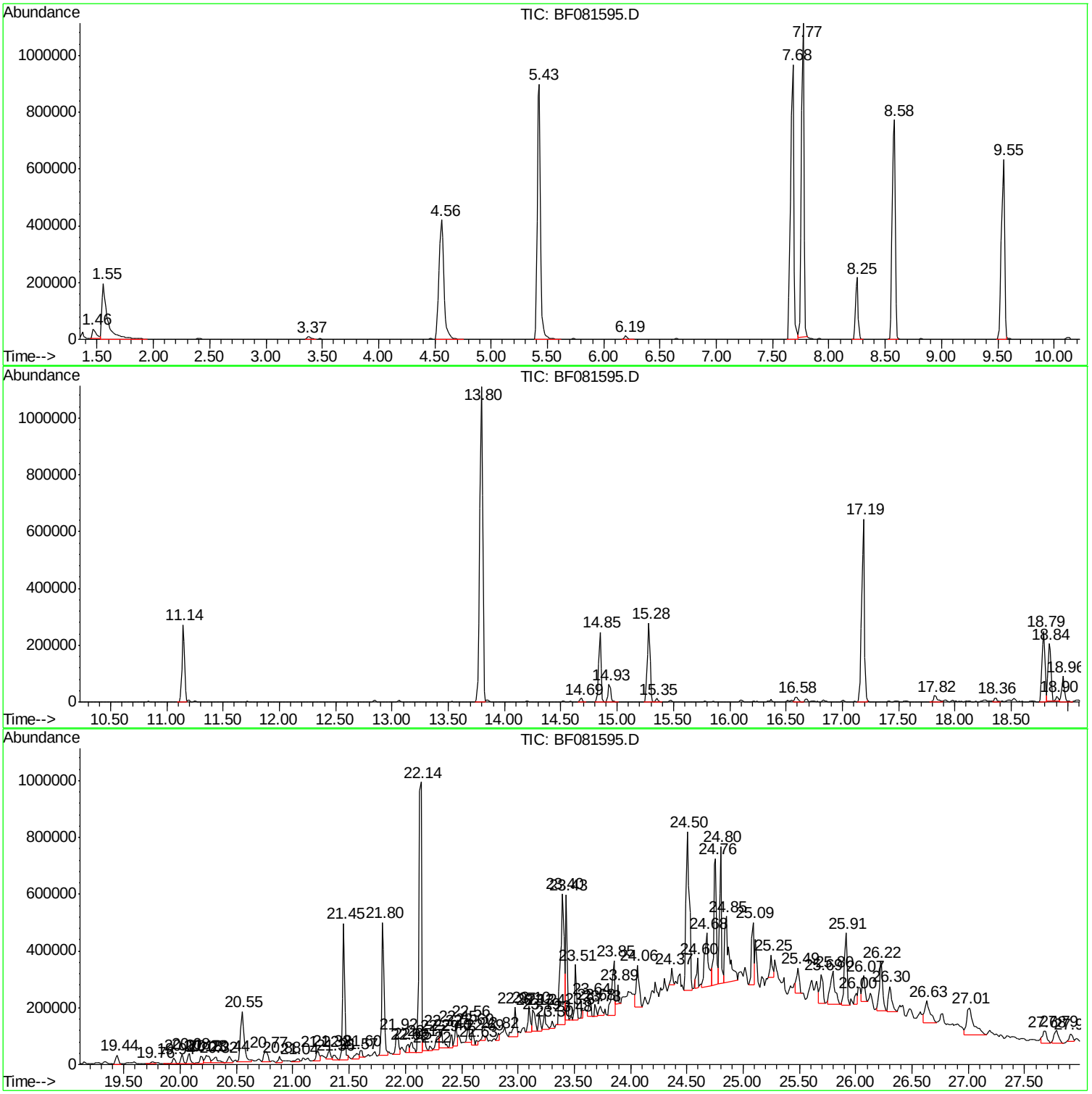
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06(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 : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(0-0.16)

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

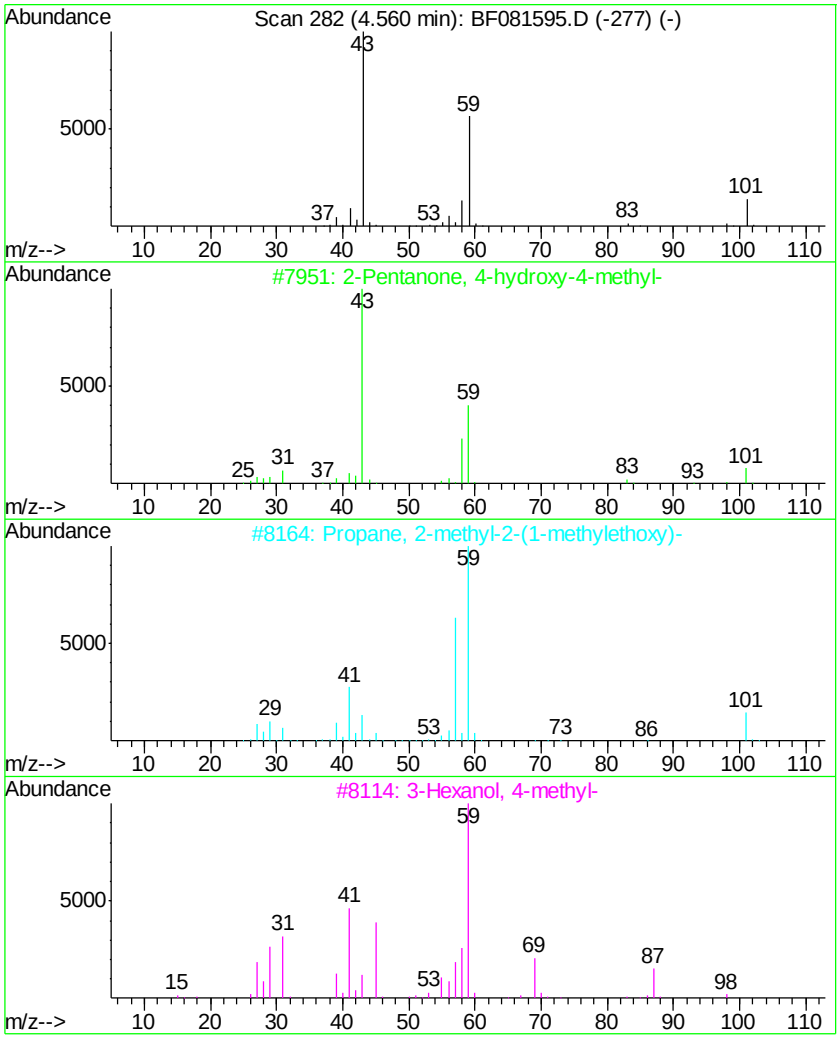
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

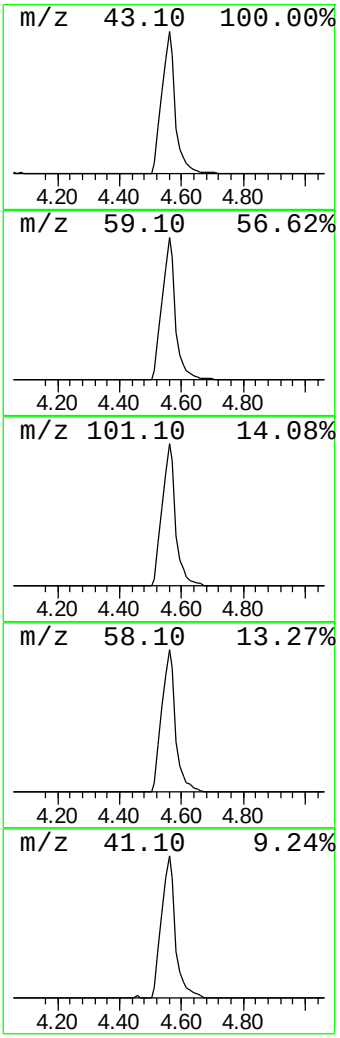
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	70.78 ng	1272140	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	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(0-0.16)

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

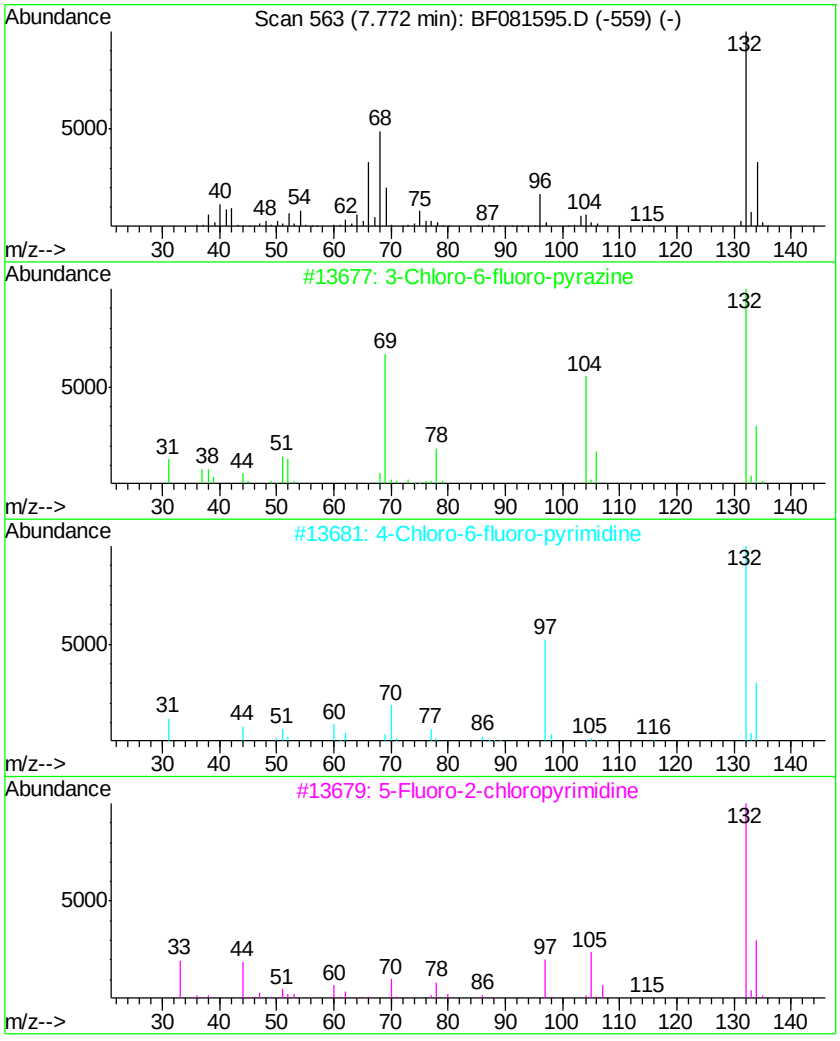
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

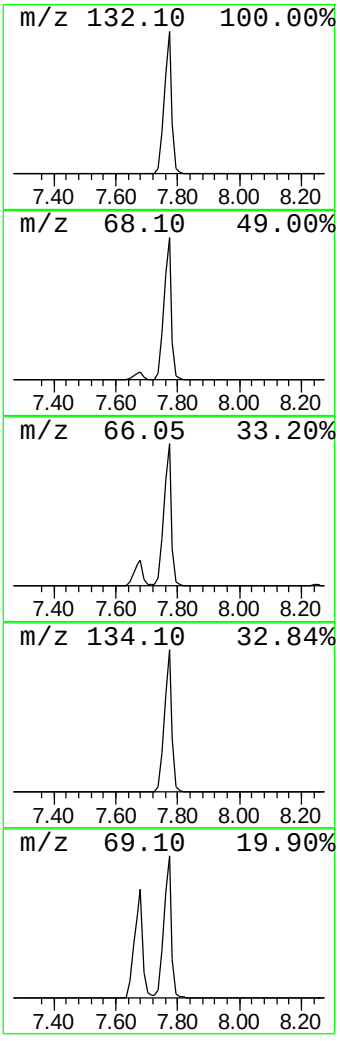
****

Peak Number 4 unknown7.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	102.15 ng	1836090	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(0-0.16)

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

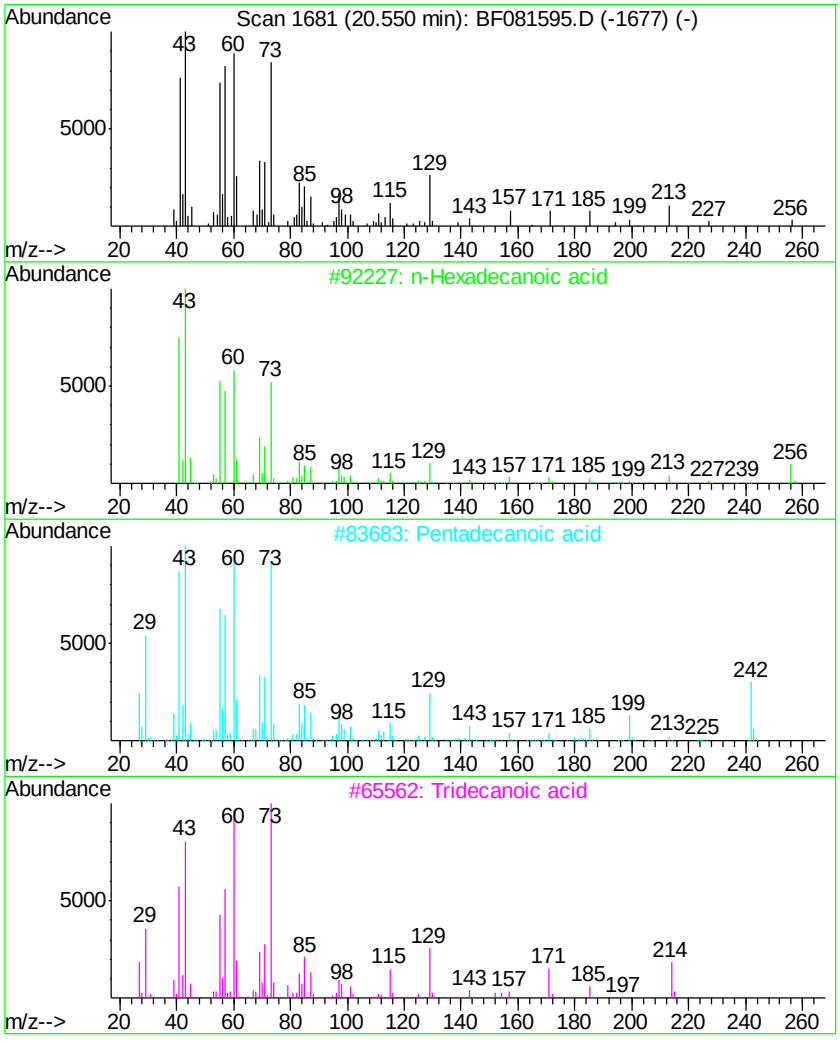
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

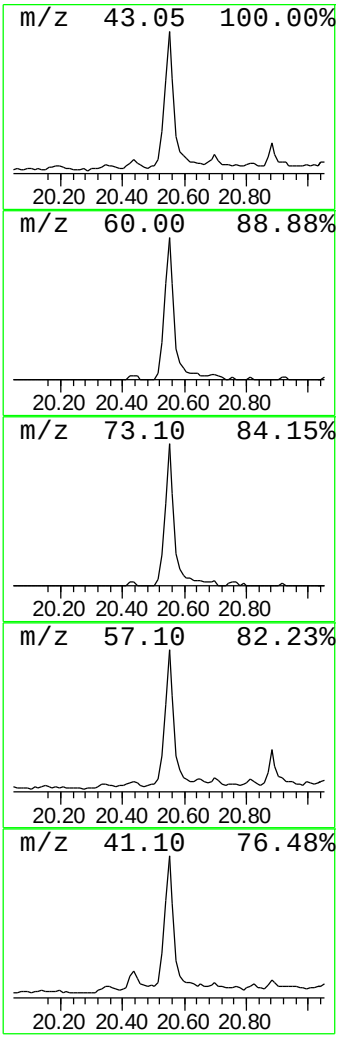
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.55	17.84 ng	390582	Phenanthrene-d10	18.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	78
5	Undecanoic acid	186	C11H22O2	000112-37-8	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

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

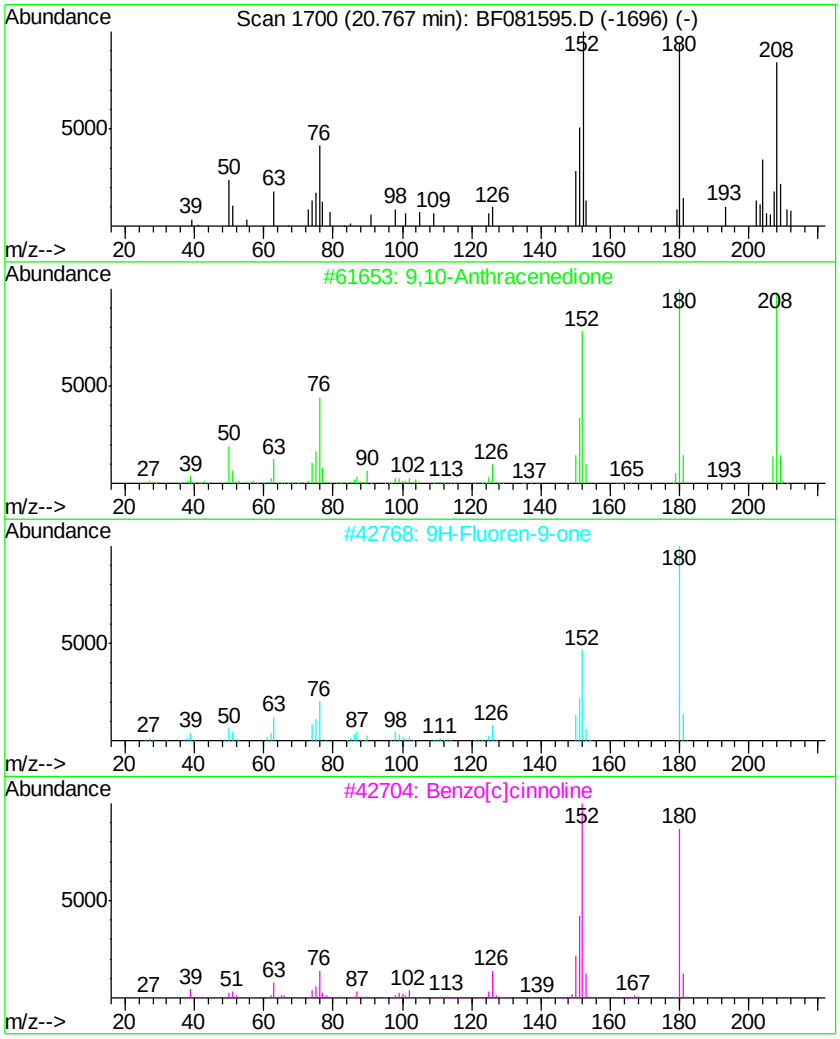
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

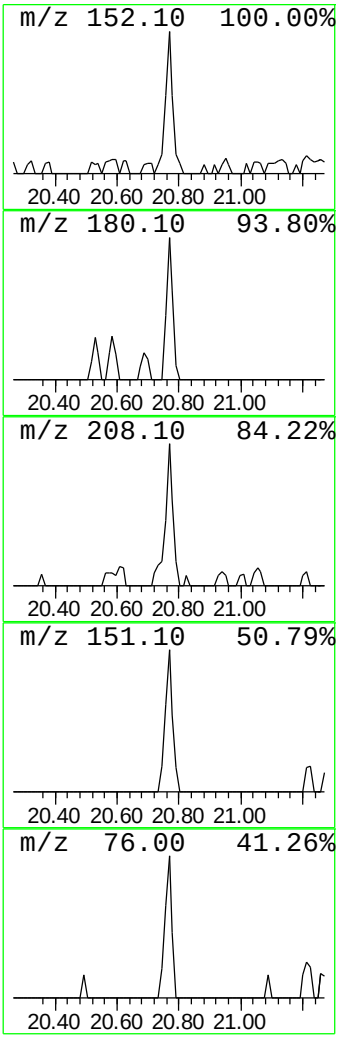
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	3.79 ng	83074	Phenanthrene-d10	18.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(0-0.16)

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

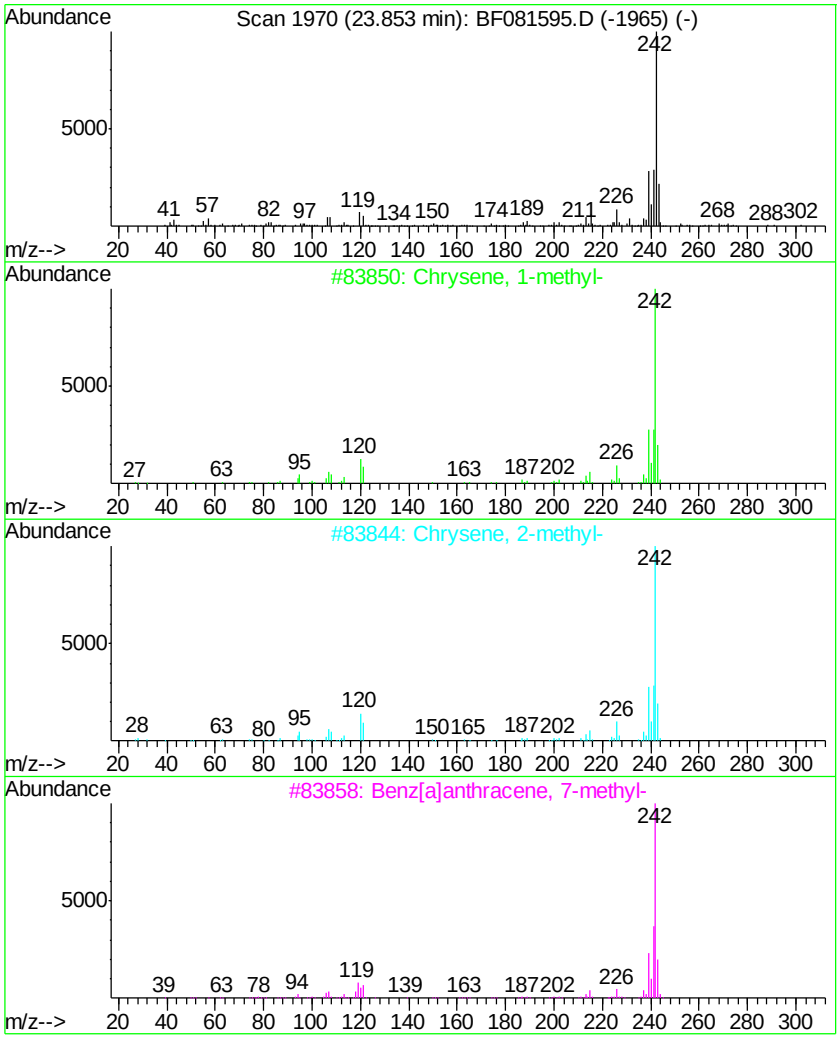
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

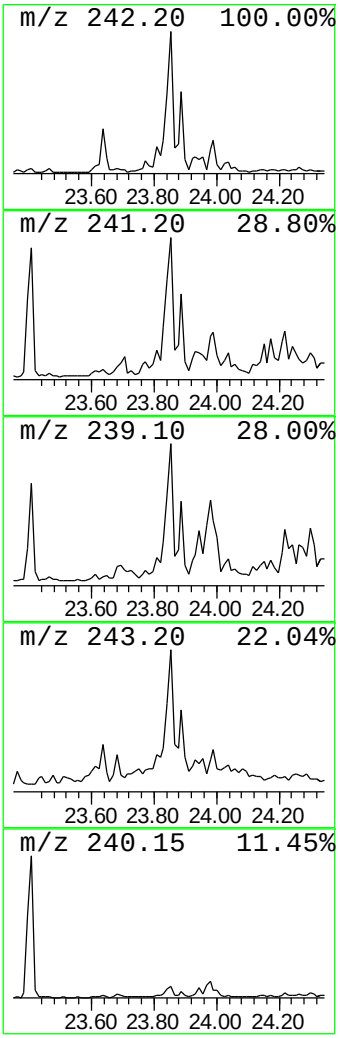
****

Peak Number 8 Chrysene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.85	6.62 ng	360222	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	94
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06(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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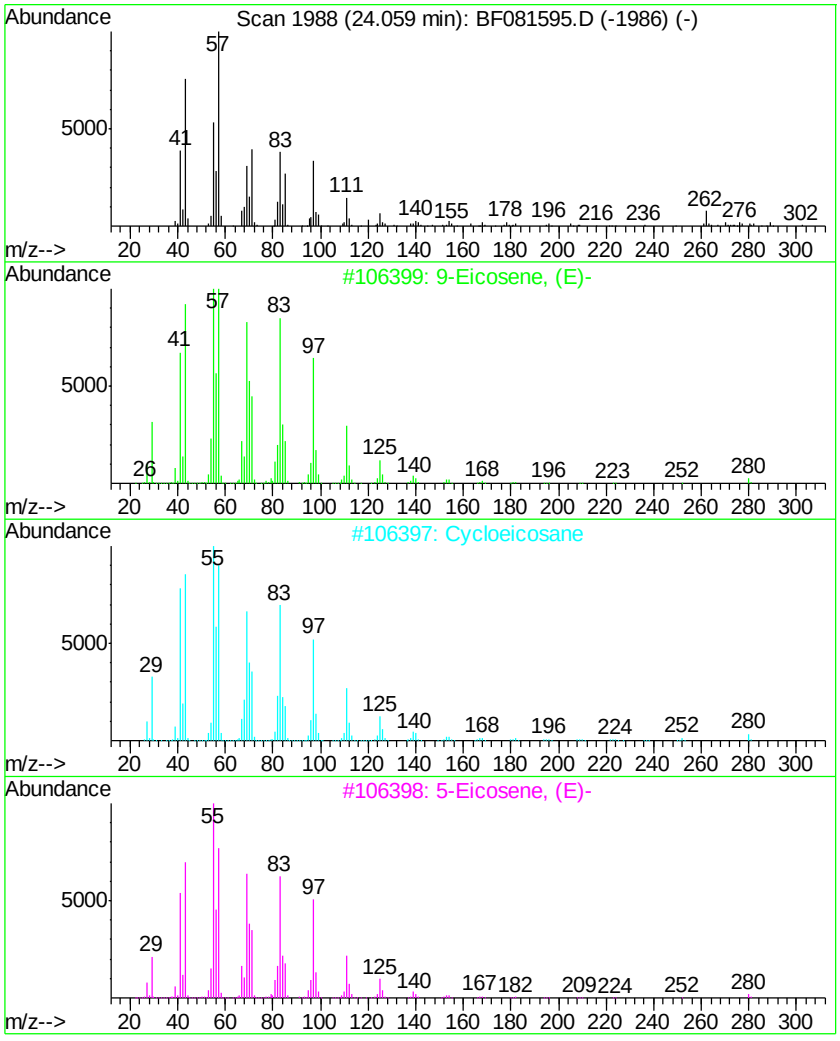
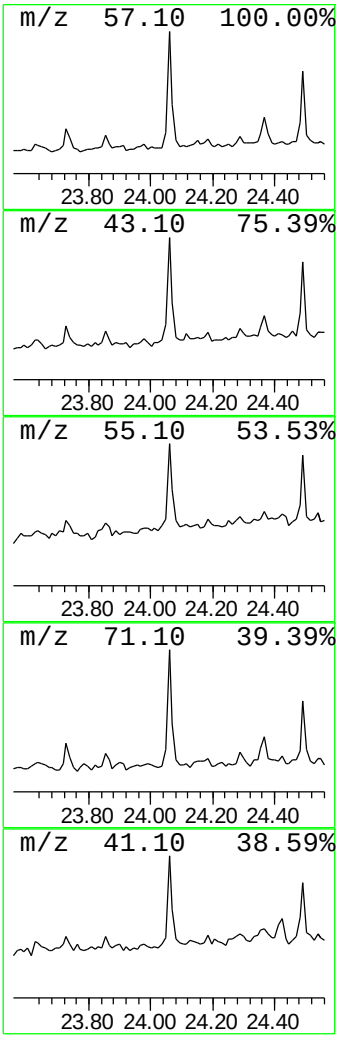
Peak Number 9 9-Eicosene, (E)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	4.30 ng	234277	Chrysene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	78
2	Cycloeicosane	280	C20H40	000296-56-0	78
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	78
4	17-Pentatriacontene	491	C35H70	006971-40-0	74
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	58





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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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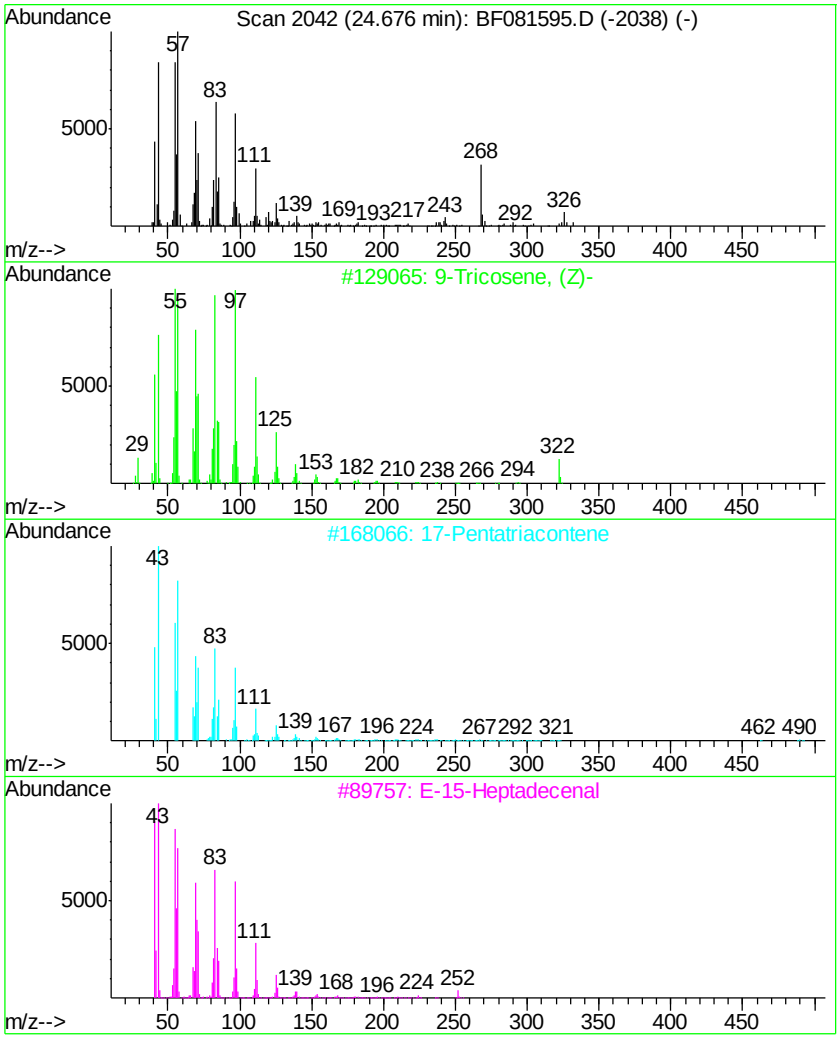
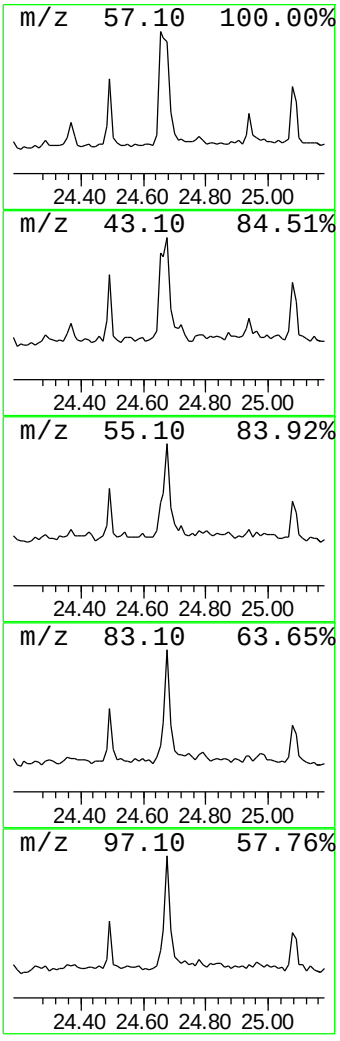
Peak Number 10 9-Tricosene, (Z)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.68	15.52 ng	493393	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	93
2	17-Pentatriacontene	491	C35H70	006971-40-0	68
3	E-15-Heptadecenal	252	C17H32O	1000130-97-9	64
4	1-Docosene	308	C22H44	001599-67-3	64
5	1-Heptadecene	238	C17H34	006765-39-5	62





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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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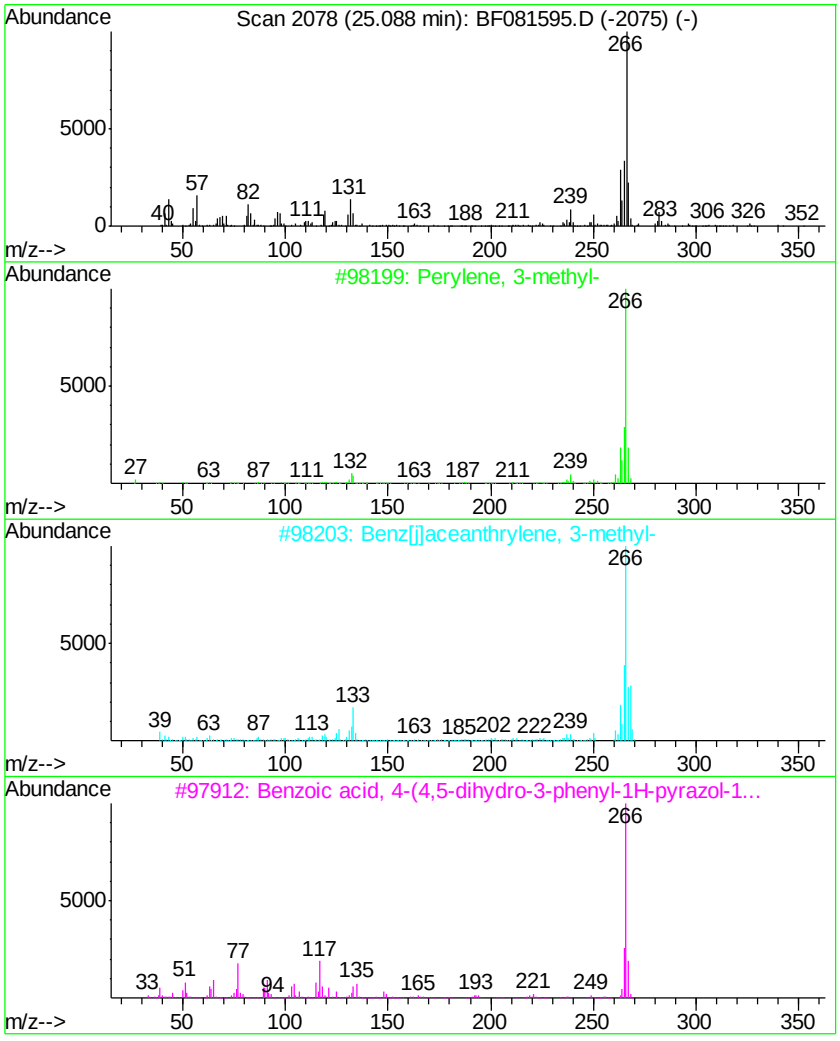
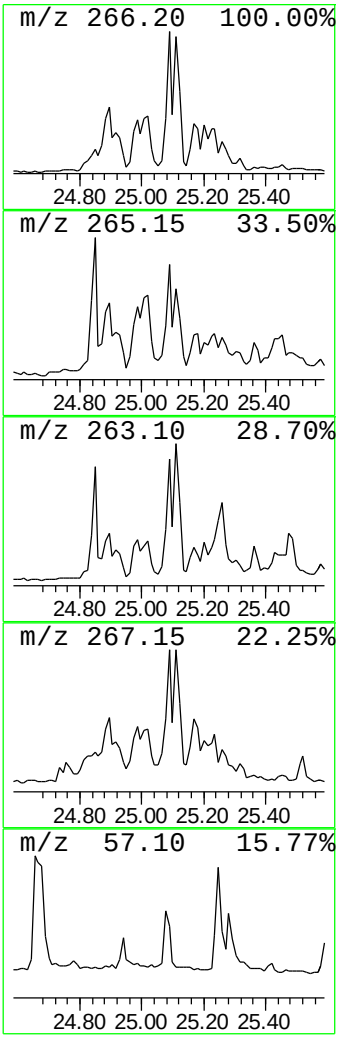
Peak Number 11 Perylene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.09	10.33 ng	328367	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	97
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	93
3	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	58
4	trans-4'-Amino-4-(dimethylamino)...	266	C17H18N2O	1000234-51-4	58
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	58





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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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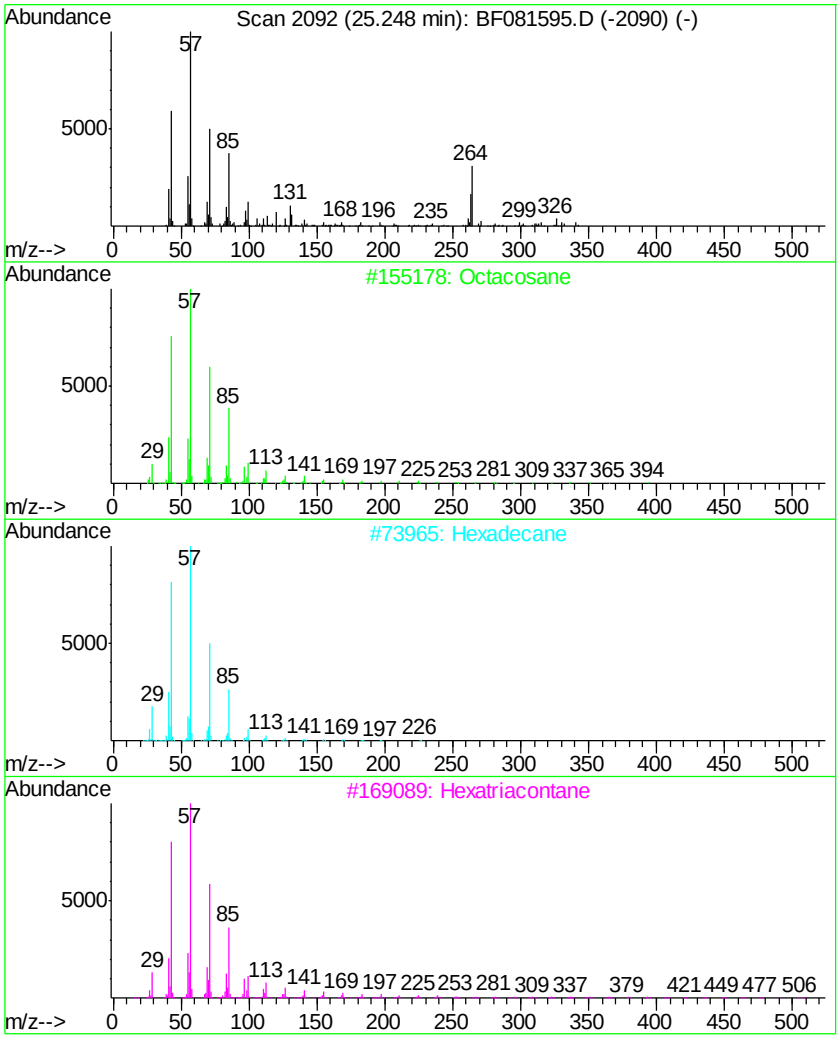
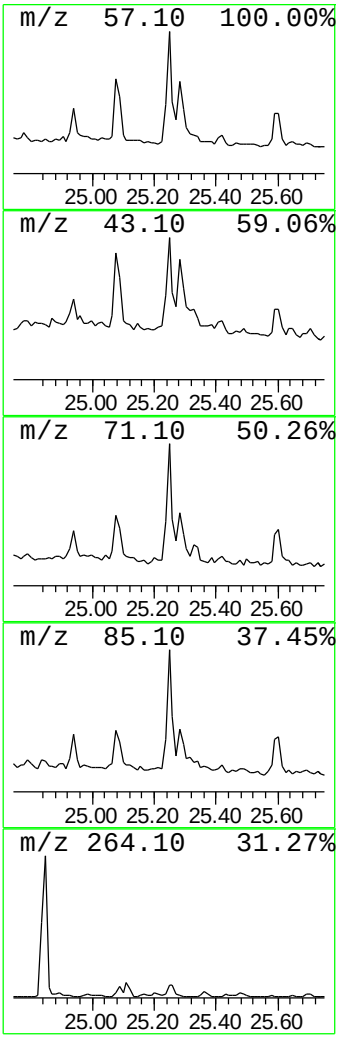
Peak Number 12 Octacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.25	3.69 ng	117362	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	60
2	Hexadecane	226	C16H34	000544-76-3	60
3	Hexatriacontane	507	C36H74	000630-06-8	53
4	Tricosane	324	C23H48	000638-67-5	49
5	Tetratetracontane	619	C44H90	007098-22-8	49





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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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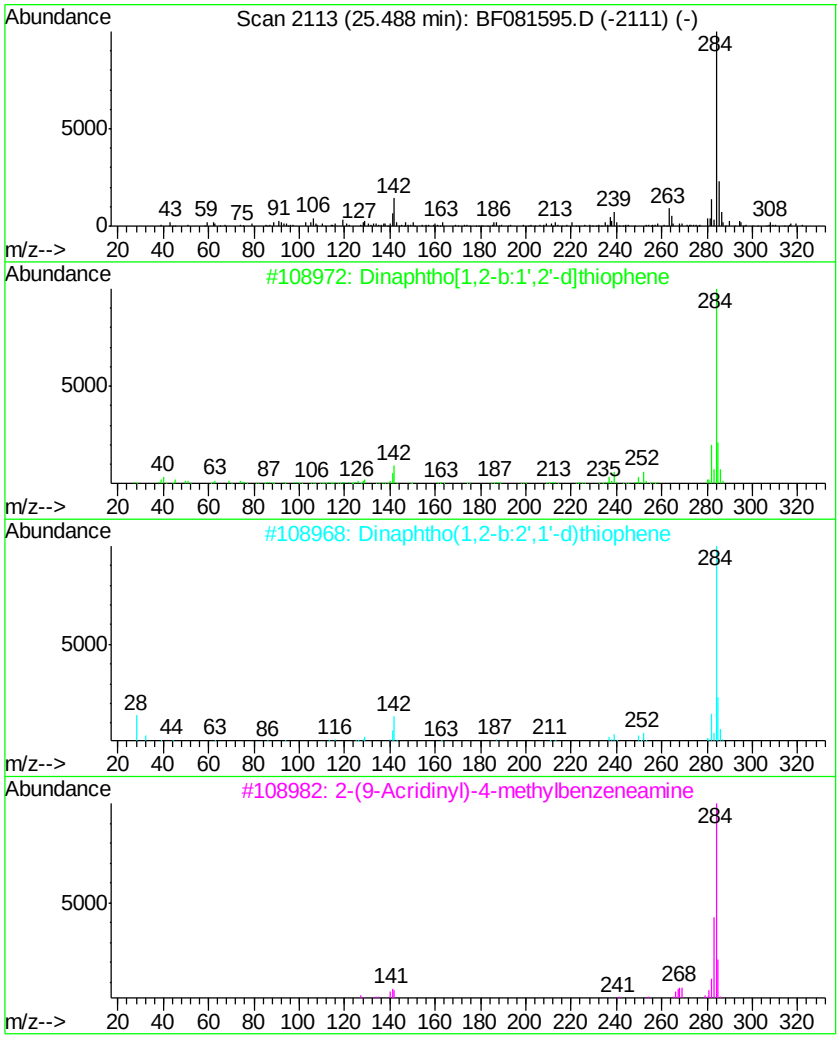
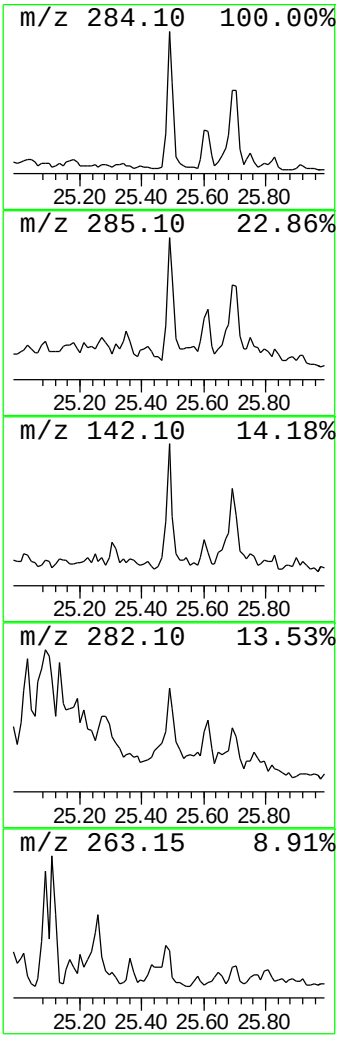
Peak Number 13 Dinaphtho[1,2-b:1',2'-d]thi... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.49	4.12 ng	130864	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]thiophene	284	C20H12S	000207-94-3	91
2	Dinaphtho(1,2-b:2',1'-d)thiophene	284	C20H12S	000239-72-5	91
3	2-(9-Acridinyl)-4-methylbenzenea...	284	C20H16N2	035586-77-7	80
4	9-(m-Toluidino)acridine	284	C20H16N2	080260-72-6	72
5	Rhodium, (2,4-pentanedionato-O,O...	284	C11H17O2Rh	012307-52-7	52





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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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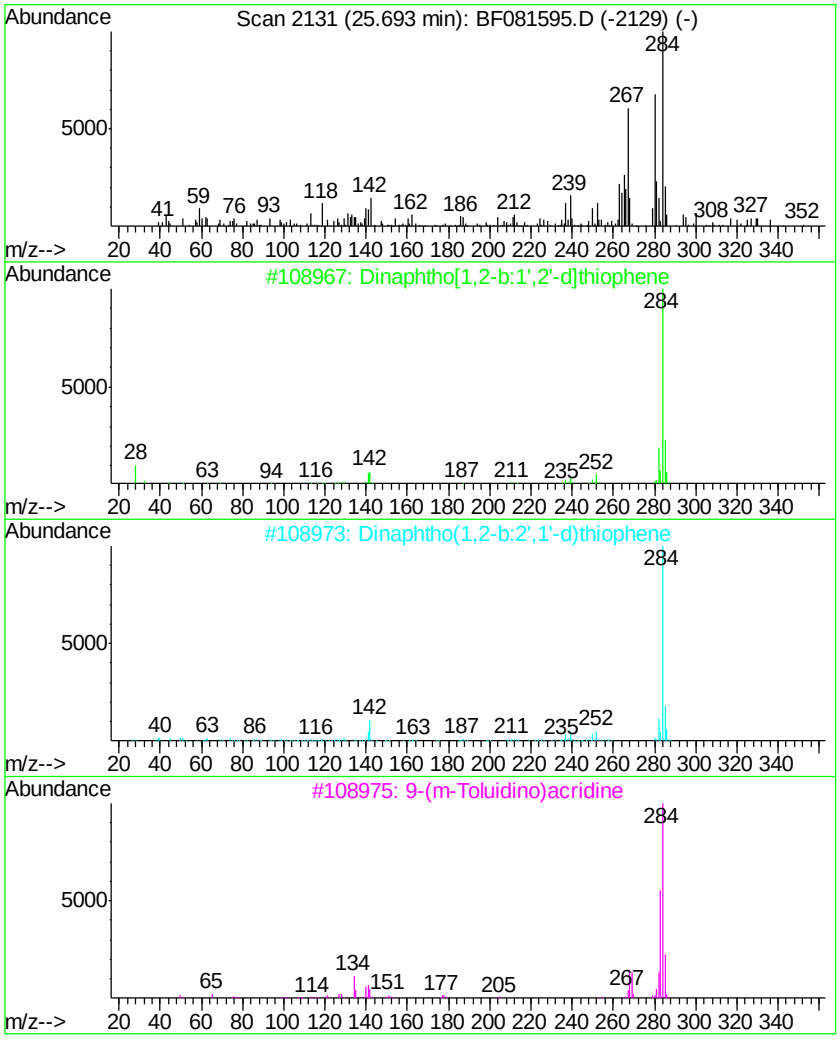
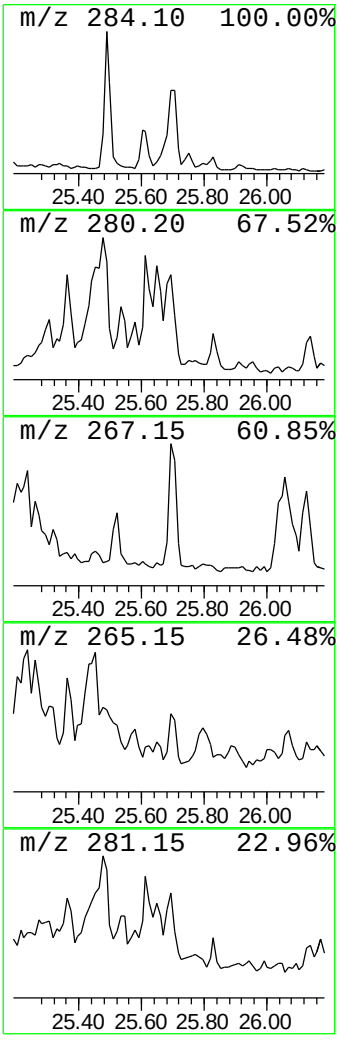
Peak Number 14 unknown25.69 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.69	5.57 ng	177152	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]thiophene	284	C20H12S	000207-94-3	49
2	Dinaphtho(1,2-b:2',1'-d)thiophene	284	C20H12S	000239-72-5	48
3	9-(m-Toluidino)acridine	284	C20H16N2	080260-72-6	41
4	Acridine, 9-(p-toluidino)-	284	C20H16N2	073655-57-9	41
5	9-(o-Toluidino)acridine	284	C20H16N2	080266-77-9	38





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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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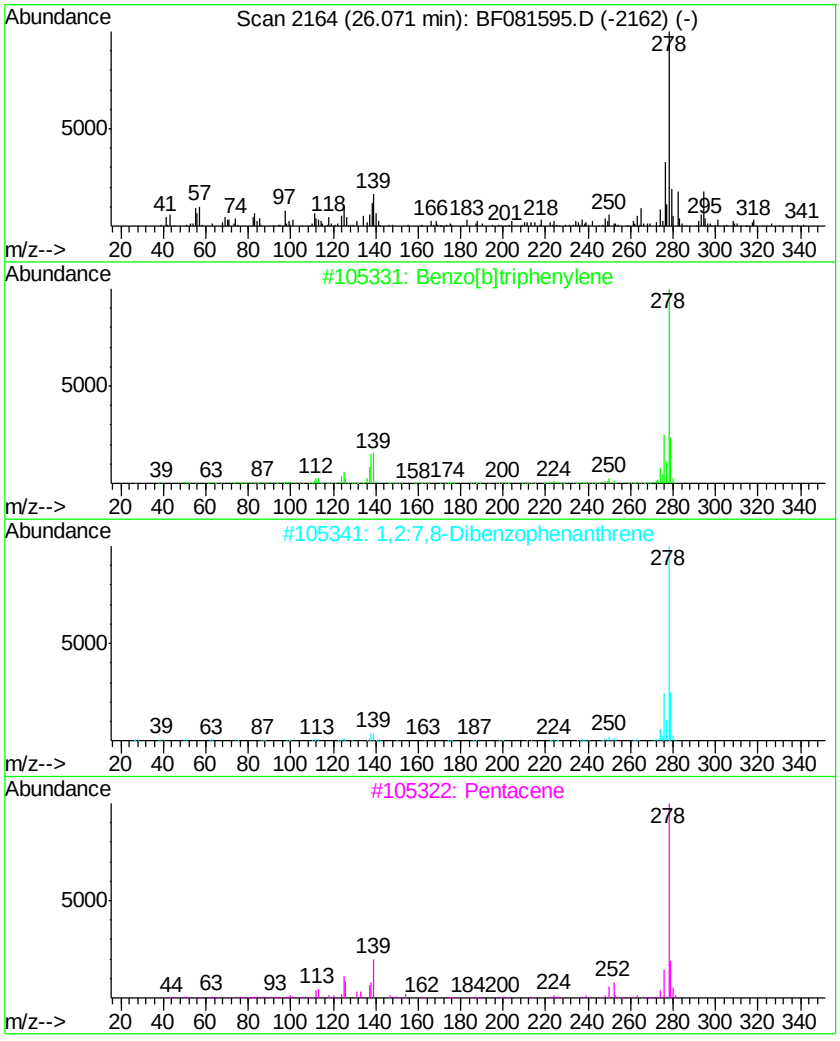
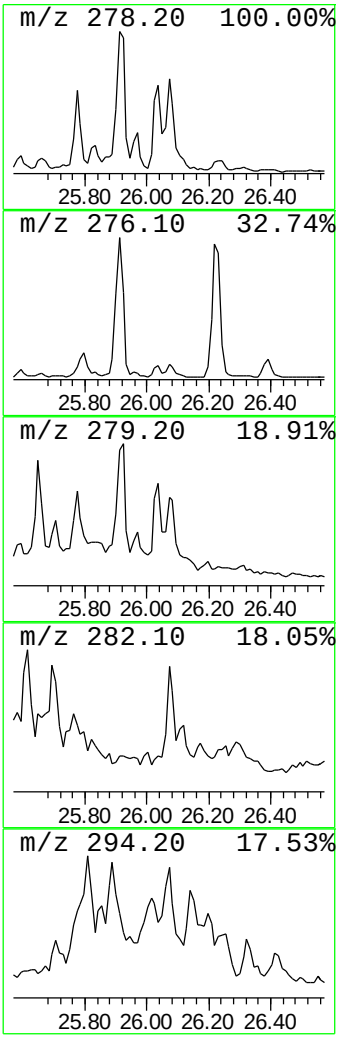
Peak Number 16 Benzo[b]triphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.07	4.70 ng	149489	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	78
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	78
3	Pentacene	278	C22H14	000135-48-8	70
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	60





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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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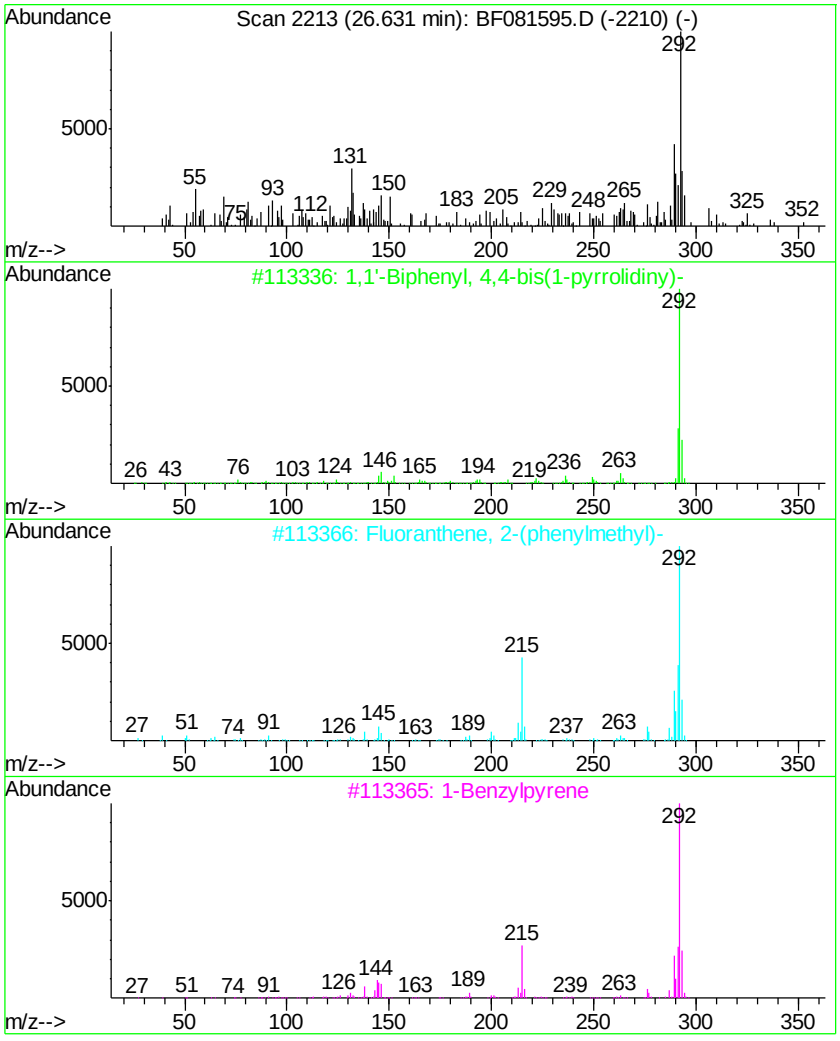
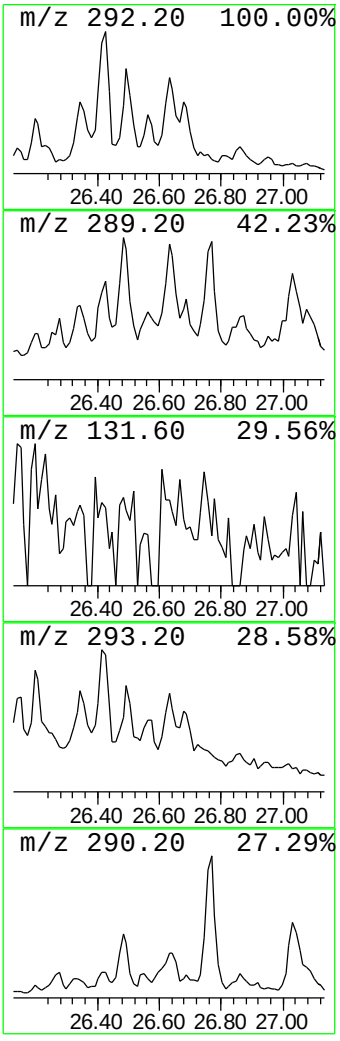
Peak Number 18 unknown26.63 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.63	7.48 ng	237597	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4-bis(1-pyrroli...	292	C20H24N2	1000193-54-6	43
2	Fluoranthene, 2-(phenylmethyl)-	292	C23H16	039180-70-6	43
3	1-Benzylpyrene	292	C23H16	042211-34-7	38
4	Cyclohexano[a]pyrene, 7,8-difluo...	292	C20H14F2	1000116-80-3	38
5	Aspidofractinine, 3-methylene-, ...	292	C20H24N2	055103-49-6	38





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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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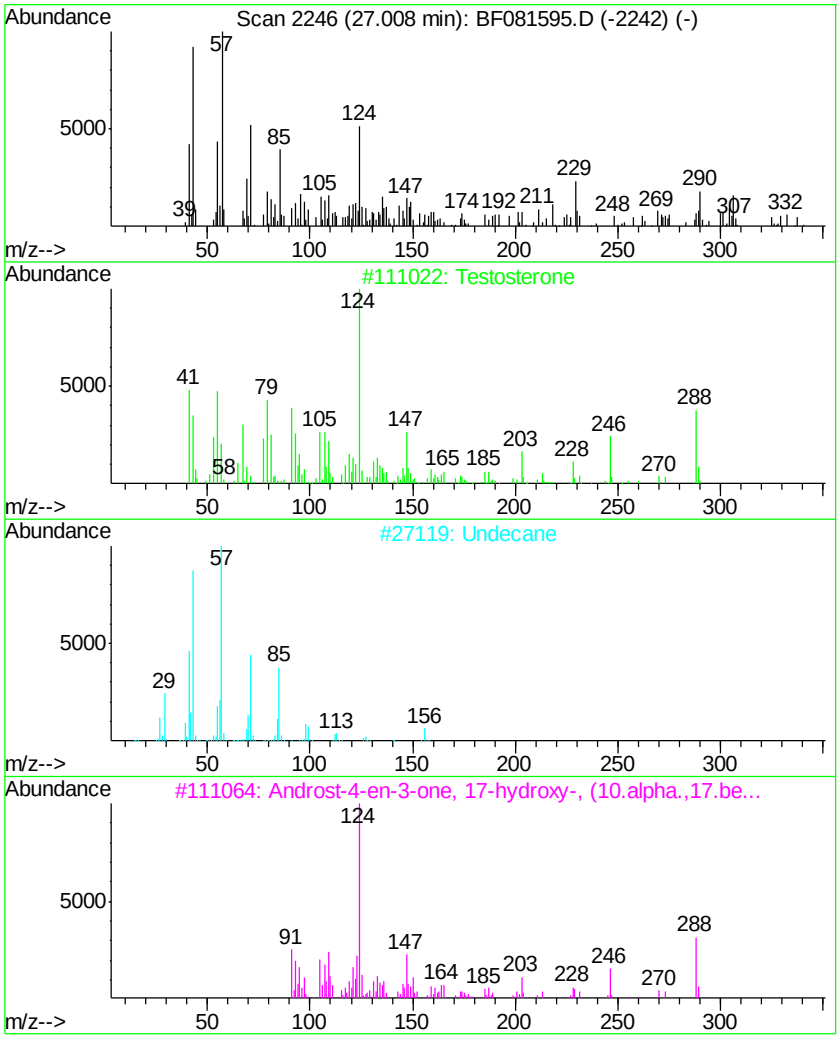
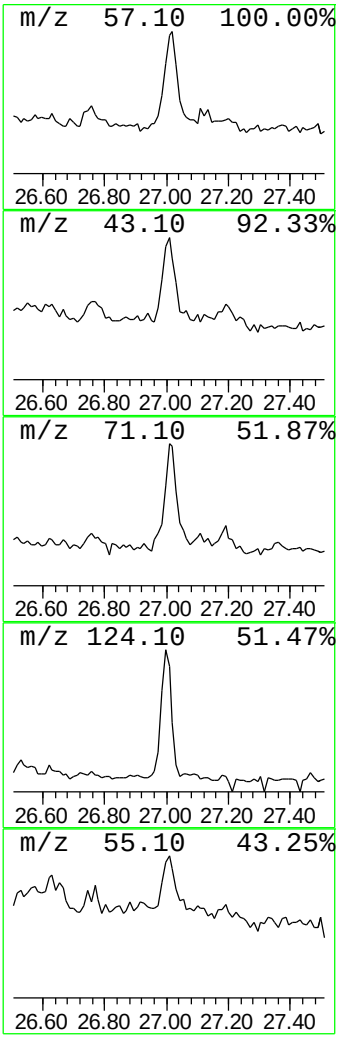
Peak Number 19 unknown27.01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.01	12.92 ng	410491	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Testosterone	288	C19H28O2	000058-22-0	40
2	Undecane	156	C11H24	001120-21-4	30
3	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	30
4	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	30
5	Hexadecane	226	C16H34	000544-76-3	27





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Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06(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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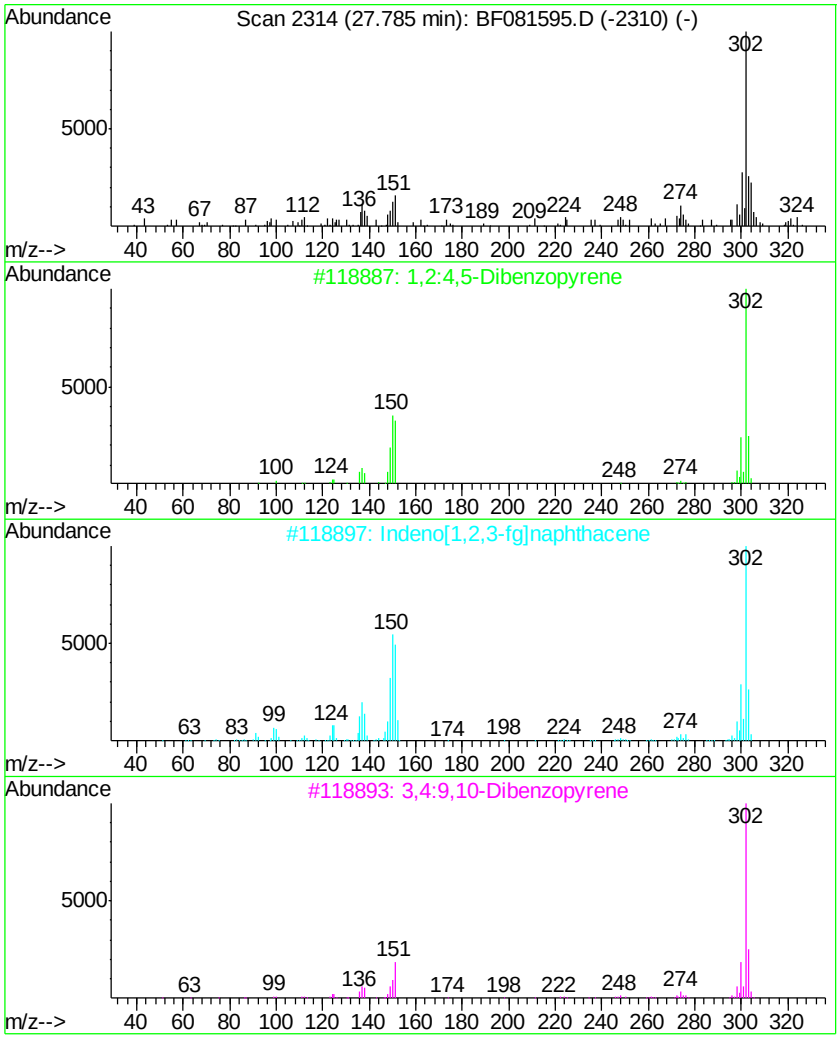
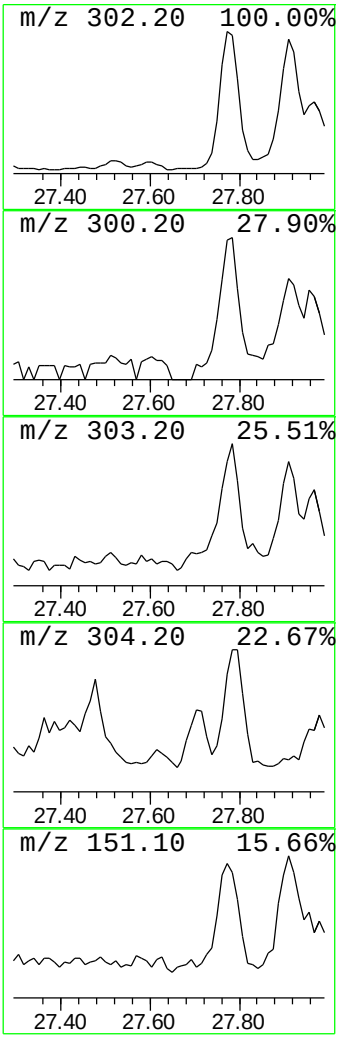
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.79	4.35 ng	138367	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	53
2	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	53
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	53
4	[1,1'-Biphenyl]-3,3'-dicarboxald...	302	C16H14O6	002092-49-1	52
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.56	70.8	ng	1272140	1	8.25	359483	20.0
unknown7.77	7.77	102.2	ng	1836090	1	8.25	359483	20.0
n-Hexadecanoic acid	20.55	17.8	ng	390582	4	18.79	437955	20.0
9,10-Anthracenedione	20.77	3.8	ng	83074	4	18.79	437955	20.0
Chrysene, 1-methyl-	23.85	6.6	ng	360222	5	23.41	1088690	20.0
9-Eicosene, (E)-	24.06	4.3	ng	234277	5	23.41	1088690	20.0
9-Tricosene, (Z)-	24.68	15.5	ng	493393	6	24.85	635638	20.0
Perylene, 3-methyl-	25.09	10.3	ng	328367	6	24.85	635638	20.0
Octacosane	25.25	3.7	ng	117362	6	24.85	635638	20.0
Dinaphtho[1,2-b:1...	25.49	4.1	ng	130864	6	24.85	635638	20.0
unknown25.69	25.69	5.6	ng	177152	6	24.85	635638	20.0
Benzo[b]triphenylene	26.07	4.7	ng	149489	6	24.85	635638	20.0
unknown26.63	26.63	7.5	ng	237597	6	24.85	635638	20.0
unknown27.01	27.01	12.9	ng	410491	6	24.85	635638	20.0
1,2:4,5-Dibenzopy...	27.79	4.3	ng	138367	6	24.85	635638	20.0