LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

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-BF032818.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	2.304	31	37	44	rVB	109063	148983	5.48%	0.374%
2	5.204	523	530	540	rBV2	74551	126806	4.66%	0.318%
3	5.592	592	596	617	rBV	1686406	2147075	78.91%	5.390%
4	6.592	762	766	786	rBV	1632243	2463900	90.55%	6.185%
5	6.734	786	790	817	rVB	1926816	2622333	96.37%	6.583%
6	6.957	825	828	849	rBV	382643	564353	20.74%	1.417%
7	7.110	850	854	870	rBV	1775141	1921500	70.62%	4.824%
8	7.522	920	924	947	rBV	1031700	1614458	59.33%	4.053%
9	8.198	1036	1039	1042	rBV	34999	30358	1.12%	0.076%
10	8.239	1042	1046	1065	rVV	696909	909162	33.41%	2.282%
11	8.810	1137	1143	1148	rBV	43980	48342	1.78%	0.121%
12	8.951	1164	1167	1174	rBV	47052	62865	2.31%	0.158%
13	9.051	1181	1184	1192	rBV	75902	83678	3.08%	0.210%
14	9.310	1224	1228	1236	rBV	2624755	2721064	100.00%	6.831%
15	9.375	1236	1239	1244	rVB	92271	109148	4.01%	0.274%
16	9.580	1270	1274	1278	rBV	31432	51209	1.88%	0.129%
17	9.651	1283	1286	1289	rVV	85453	99325	3.65%	0.249%
18	9.704	1289	1295	1301	rVV	243844	357422	13.14%	0.897%
19	9.769	1301	1306	1314	rVB2	44322	85706	3.15%	0.215%
20	9.904	1326	1329	1332	rVB	129133	97237	3.57%	0.244%
21	9.998	1341	1345	1348	rBV	976425	933708	34.31%	2.344%
22	10.027	1348	1350	1357	rVB	147839	165754	6.09%	0.416%
23	10.151	1365	1371	1375	rVB6	27106	52313	1.92%	0.131%
24	10.192	1375	1378	1382	rBV3	54206	77108	2.83%	0.194%
25	10.233	1382	1385	1389	rVB3	48618	59362	2.18%	0.149%
26	10.310	1395	1398	1401	rBV	48244	54341	2.00%	0.136%
27	10.339	1401	1403	1407	rVV	41960	41614	1.53%	0.104%
28	10.404	1407	1414	1421	rVV	184701	211825	7.78%	0.532%
29	10.551	1434	1439	1444	rBV2	82590	142293	5.23%	0.357%
30	10.610	1444	1449	1450	rBV2	69967	84523	3.11%	0.212%
31	10.704	1462	1465	1470	rVB2	52296	65548	2.41%	0.165%
32	10.792	1476	1480	1492	rVV	1461933	1817033	66.78%	4.561%
33	10.880	1492	1495	1506	rVB3	141802	258188	9.49%	0.648%
34	11.033	1517	1521	1525	rVB	27836	33471	1.23%	0.084%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

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-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.098	1525	1532	1534	rBV5	73616	121705	4.47%	0.306%
36	11.121	1534	1536	1539	rVB3	36772	35037	1.29%	0.088%
37	11.221	1548	1553	1555	rBV5	41800	64985	2.39%	0.163%
38	11.245	1555	1557	1563	rVB3	42787	43025	1.58%	0.108%
39	11.304	1563	1567	1568	rBV4	26251	35677	1.31%	0.090%
40	11.327	1568	1571	1573	rVV2	106577	100127	3.68%	0.251%
41	11.351	1573	1575	1578	rVB2	54841	54225	1.99%	0.136%
42	11.392	1579	1582	1592	rVB	66975	112829	4.15%	0.283%
43	11.492	1596	1599	1601	rBV	846222	851805	31.30%	2.138%
44	11.521	1601	1604	1610	rVV	1090433	1329480	48.86%	3.338%
45	11.574	1610	1613	1629	rVB	221879	400783	14.73%	1.006%
46	11.733	1634	1640	1642	rBV2	80682	122825	4.51%	0.308%
47	11.751	1642	1643	1646	rVB	87485	69441	2.55%	0.174%
48	11.827	1653	1656	1663	rVB2	52497	80796	2.97%	0.203%
49	11.916	1667	1671	1674	rVB4	19272	30279	1.11%	0.076%
50	11.998	1681	1685	1687	rBV	239757	273557	10.05%	0.687%
51	12.033	1687	1691	1695	rVV2	409058	547325	20.11%	1.374%
52	12.074	1695	1698	1700	rVV	103989	110789	4.07%	0.278%
53	12.110	1700	1704	1706	rVV2	324628	413094	15.18%	1.037%
54	12.127	1706	1707	1711	rVV	181320	176373	6.48%	0.443%
55	12.163	1711	1713	1716	rVB2	59098	48210	1.77%	0.121%
56	12.292	1731	1735	1738	rBV	106858	129550	4.76%	0.325%
57	12.327	1738	1741	1745	rVV2	74915	96291	3.54%	0.242%
58	12.363	1745	1747	1750	rVB	38353	33310	1.22%	0.084%
59	12.439	1758	1760	1763	rBV2	64613	58029	2.13%	0.146%
60	12.468	1763	1765	1768	rVV	58708	44277	1.63%	0.111%
61	12.498	1768	1770	1775	rVB2	52920	56315	2.07%	0.141%
62	12.545	1775	1778	1781	rBV2	228536	269961	9.92%	0.678%
63	12.586	1781	1785	1787	rVV2	88863	132882	4.88%	0.334%
64	12.639	1790	1794	1802	rVB4	83710	158660	5.83%	0.398%
65	12.715	1803	1807	1815	rBV	1602063	1671702	61.44%	4.197%
66	12.774	1815	1817	1824	rVB5	58990	78643	2.89%	0.197%
67	12.868	1830	1833	1835	rBV	39941	41242	1.52%	0.104%
68	12.927	1840	1843	1844	rBV2	319946	314598	11.56%	0.790%
69	12.945	1844	1846	1852	rVV	1301274	1373844	50.49%	3.449%
70	12.992	1852	1854	1860	rVB	114696	124759	4.58%	0.313%
71	13.080	1864	1869	1879	rBV	2159661	2432321	89.39%	6.106%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

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-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.168	1879	1884	1888	rVB4	103738	203434	7.48%	0.511%
73	13.210	1888	1891	1894	rBV3	32230	42040	1.54%	0.106%
74	13.274	1894	1902	1908	rBV	236612	395505	14.53%	0.993%
75	13.339	1910	1913	1916	rBV2	139568	149899	5.51%	0.376%
76	13.380	1916	1920	1922	rBV2	105283	118756	4.36%	0.298%
77	13.468	1933	1935	1938	rBV	111450	115071	4.23%	0.289%
78	13.504	1938	1941	1944	rVV	83890	92545	3.40%	0.232%
79	13.786	1986	1989	1996	rVB	83414	107481	3.95%	0.270%
80	13.898	2005	2008	2010	rBV	97523	100458	3.69%	0.252%
81	13.921	2010	2012	2014	rVV	115812	111004	4.08%	0.279%
82	13.951	2014	2017	2023	rVV3	195447	280622	10.31%	0.704%
83	13.998	2023	2025	2031	rVB	74838	98369	3.62%	0.247%
84	14.151	2045	2051	2054	rBV2	845555	1515325	55.69%	3.804%
85	14.174	2054	2055	2063	rVV	613191	657175	24.15%	1.650%
86	14.257	2066	2069	2075	rVB2	90210	100637	3.70%	0.253%
87	14.539	2115	2117	2121	rVV	93364	79696	2.93%	0.200%
88	14.574	2121	2123	2128	rVB2	52979	68866	2.53%	0.173%
89	14.892	2174	2177	2183	rVB4	105891	153831	5.65%	0.386%
90	15.062	2204	2206	2209	rVB2	51737	47545	1.75%	0.119%
91	15.233	2231	2235	2251	rBV	424049	1052924	38.70%	2.643%
92	15.345	2252	2254	2259	rVB	61946	75055	2.76%	0.188%
93	15.556	2286	2290	2298	rVB	233560	351960	12.93%	0.884%
94	15.627	2298	2302	2309	rBV	328475	508858	18.70%	1.277%
95	15.692	2309	2313	2317	rBV2	317528	468904	17.23%	1.177%
96	17.280	2577	2583	2594	rBV2	151873	389365	14.31%	0.977%
97	17.762	2660	2665	2676	rBV2	91755	248376	9.13%	0.624%

Sum of corrected areas: 39834457

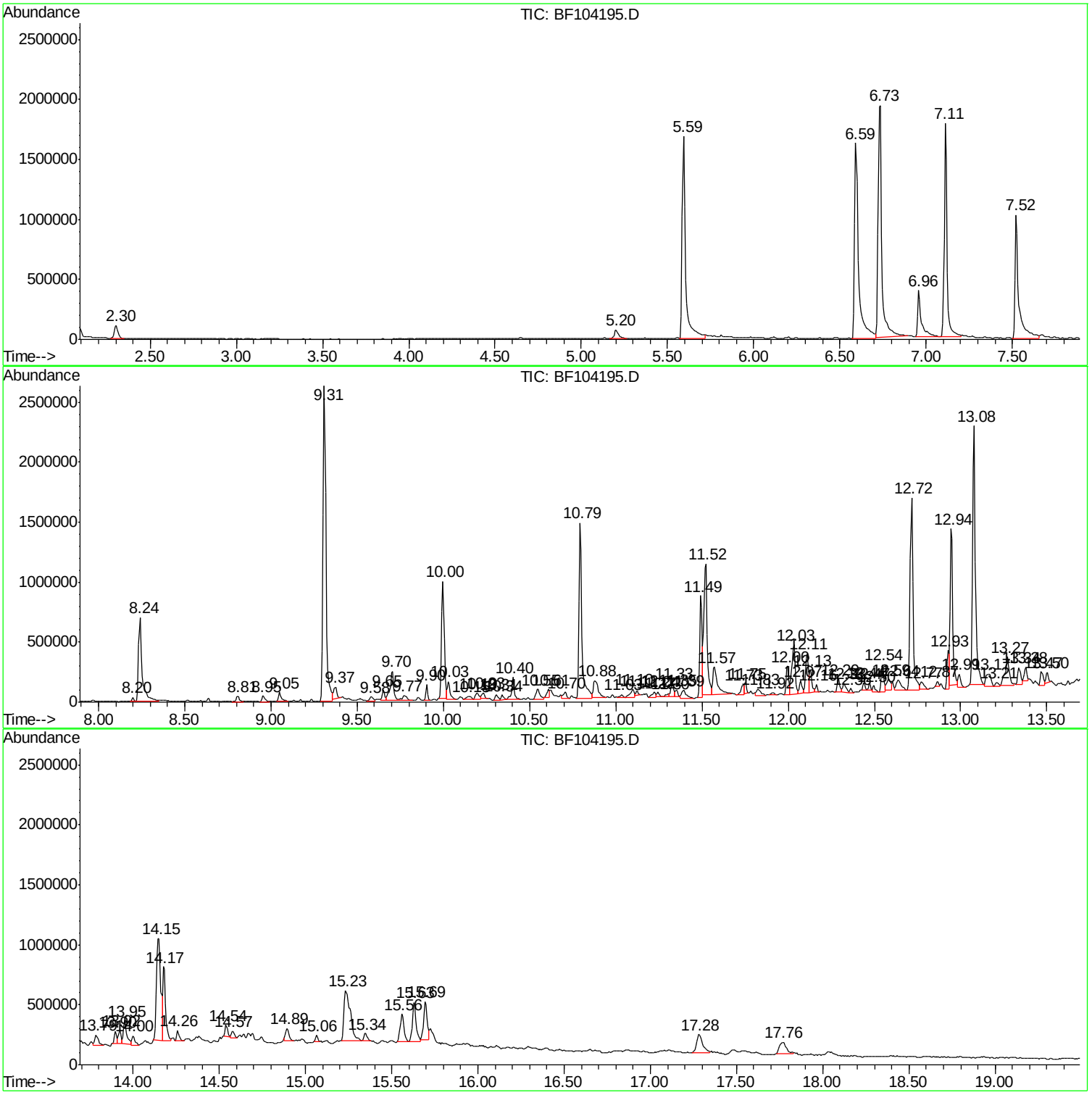
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

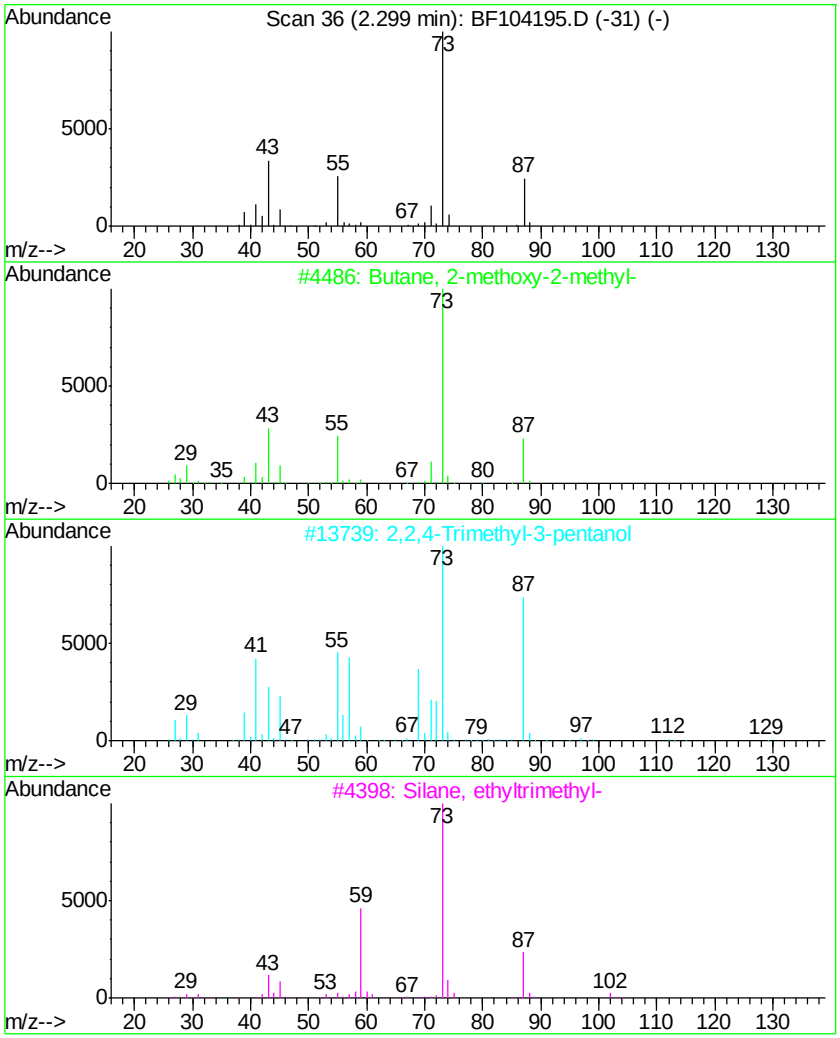
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

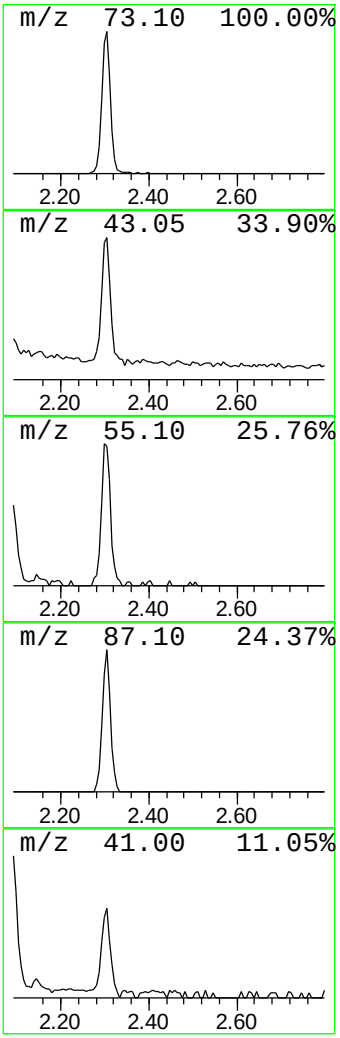
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	5.28 ng	148983	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

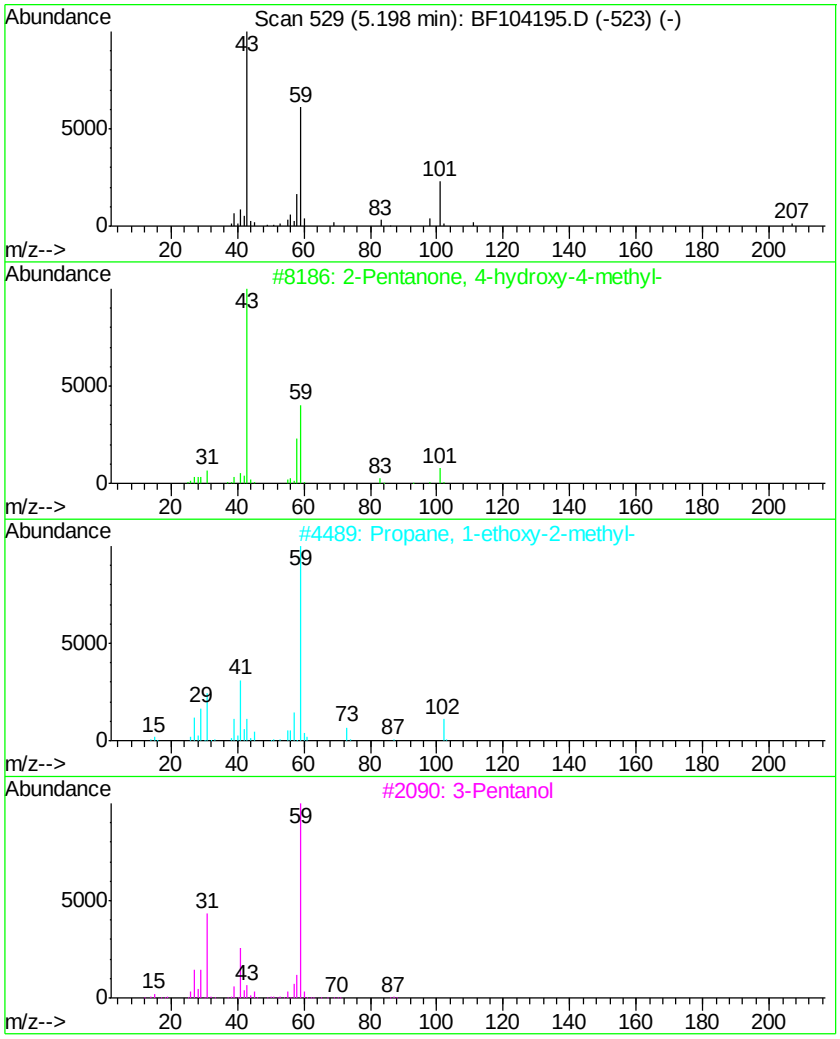
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

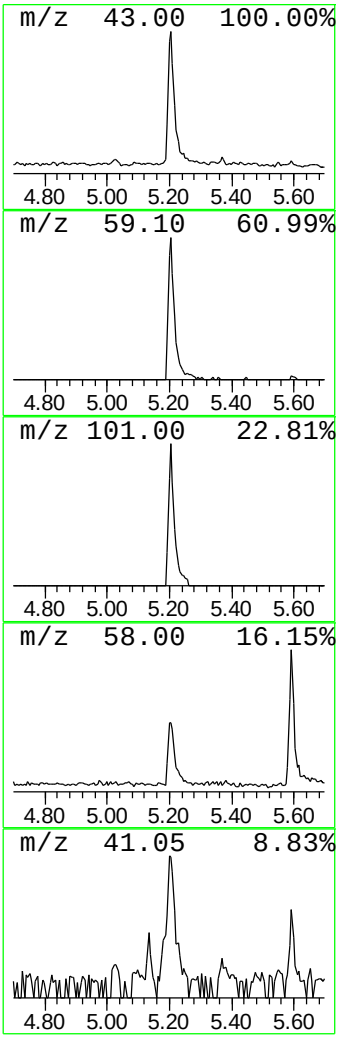
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	4.49 ng	126806	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	35
3	3-Pentanol	88	C5H12O	000584-02-1	25
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

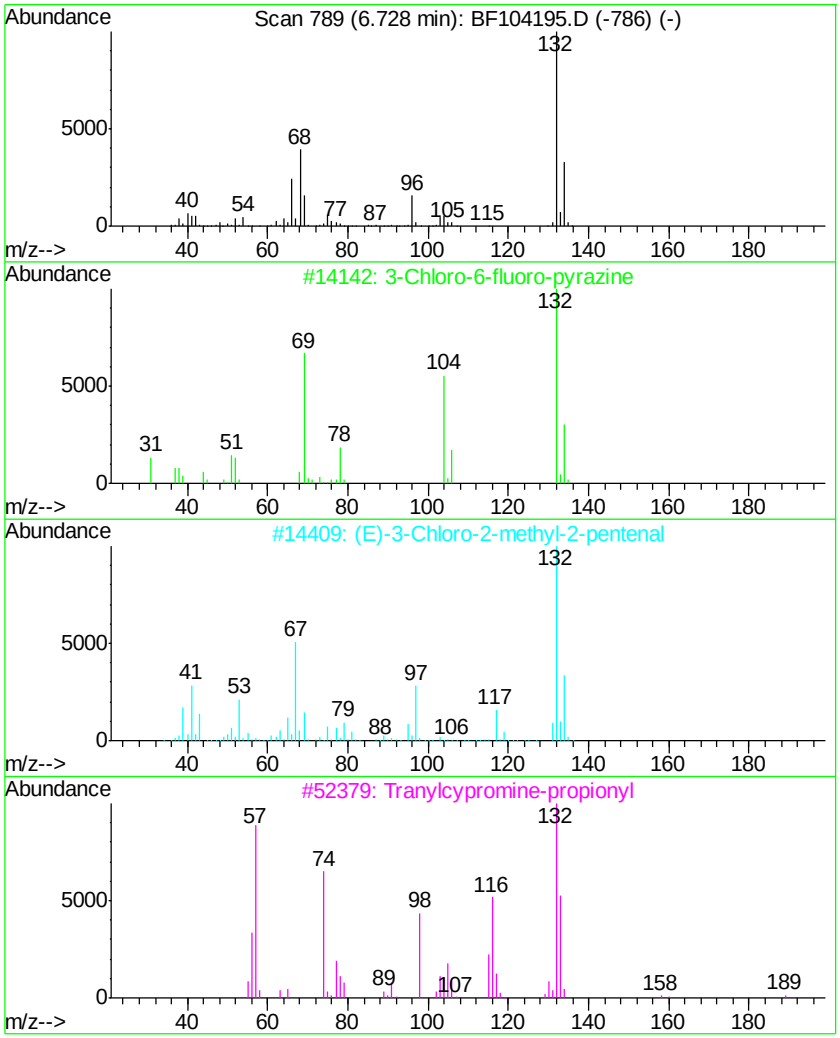
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

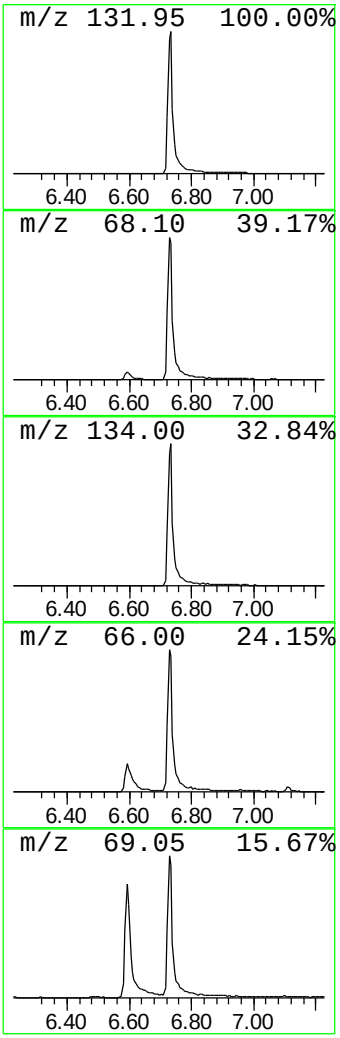
****

Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	92.93 ng	2622330	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

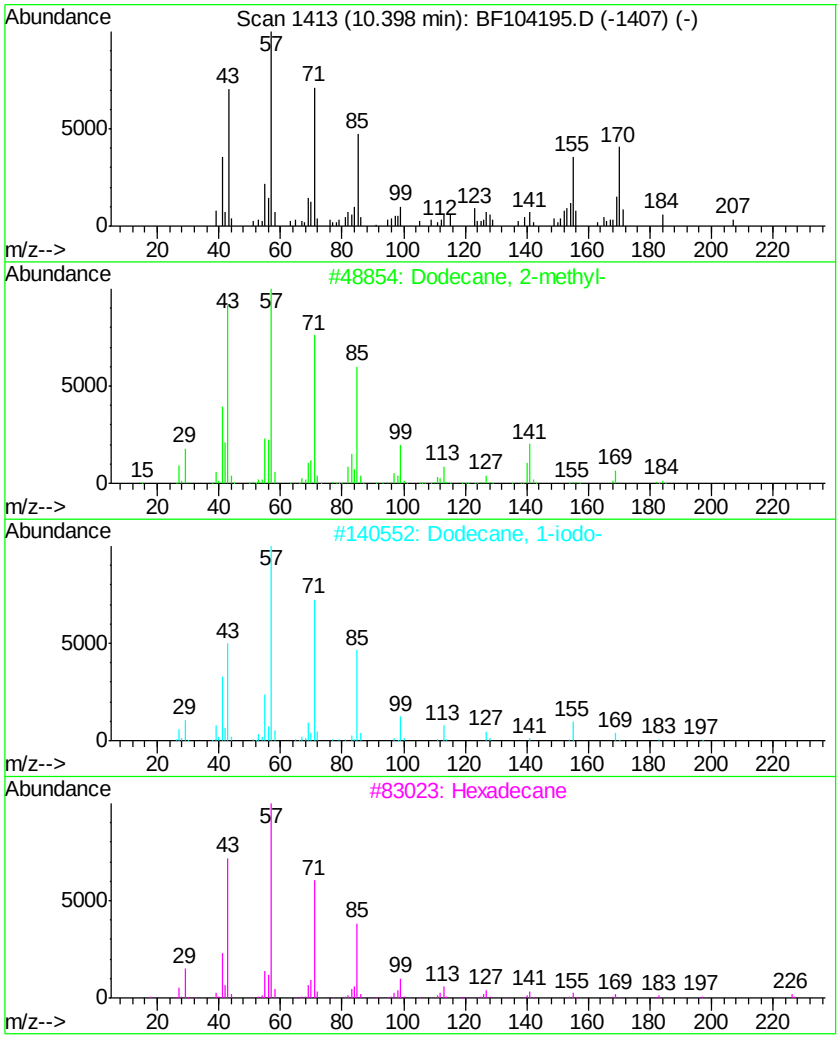
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

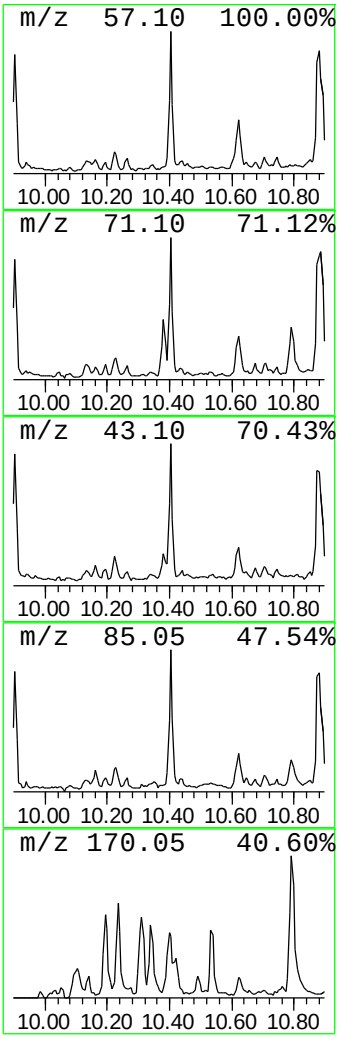
****

Peak Number 5 Dodecane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	4.54 ng	211825	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
3	Hexadecane	226	C16H34	000544-76-3	58
4	Octadecane	254	C18H38	000593-45-3	58
5	Heptacosane	380	C27H56	000593-49-7	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

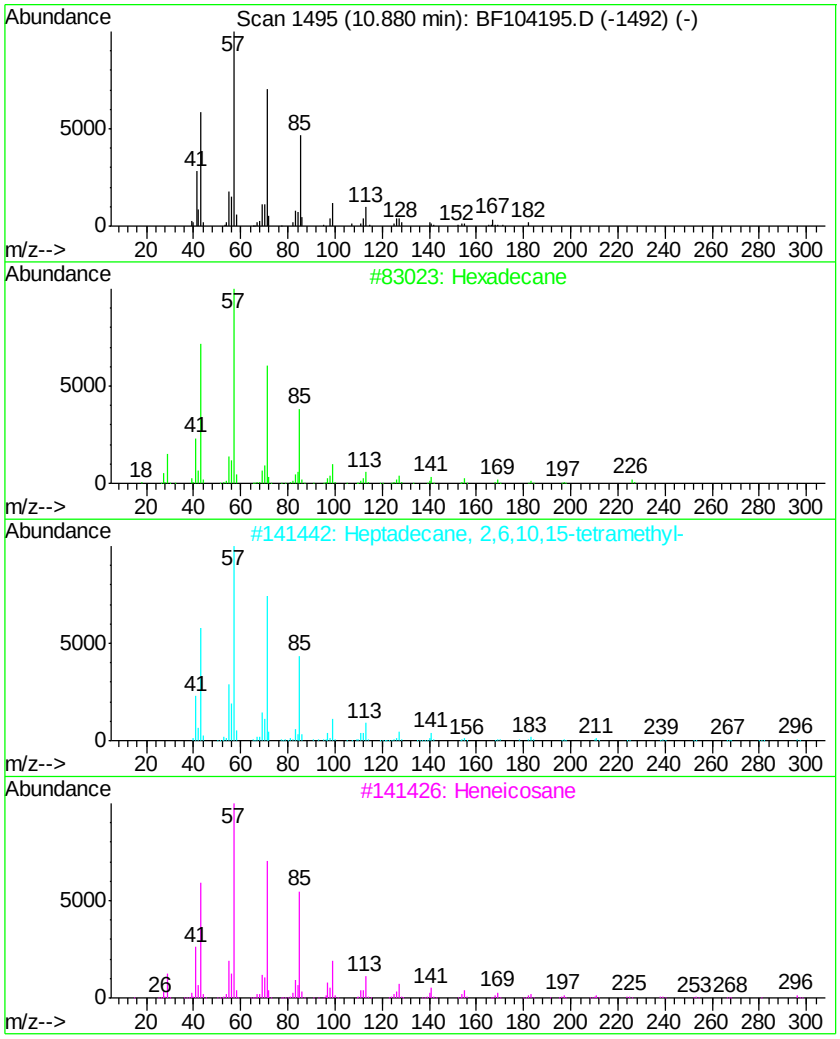
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

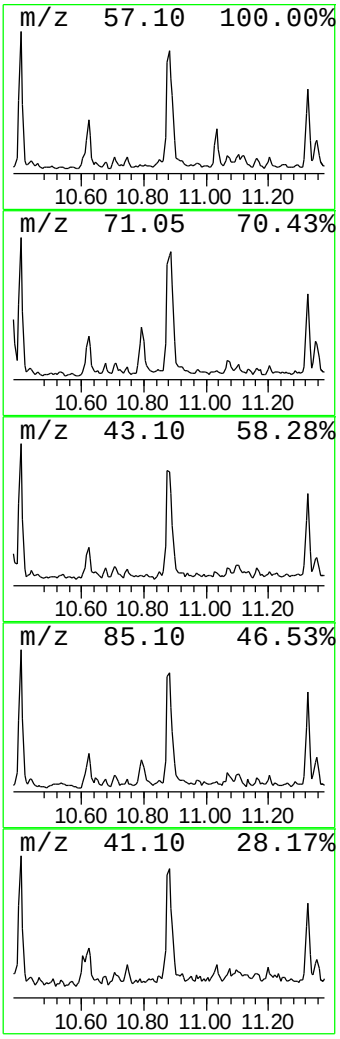
****

Peak Number 6 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	6.06 ng	258188	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Heneicosane	296	C21H44	000629-94-7	86
4	Heptadecane	240	C17H36	000629-78-7	83
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

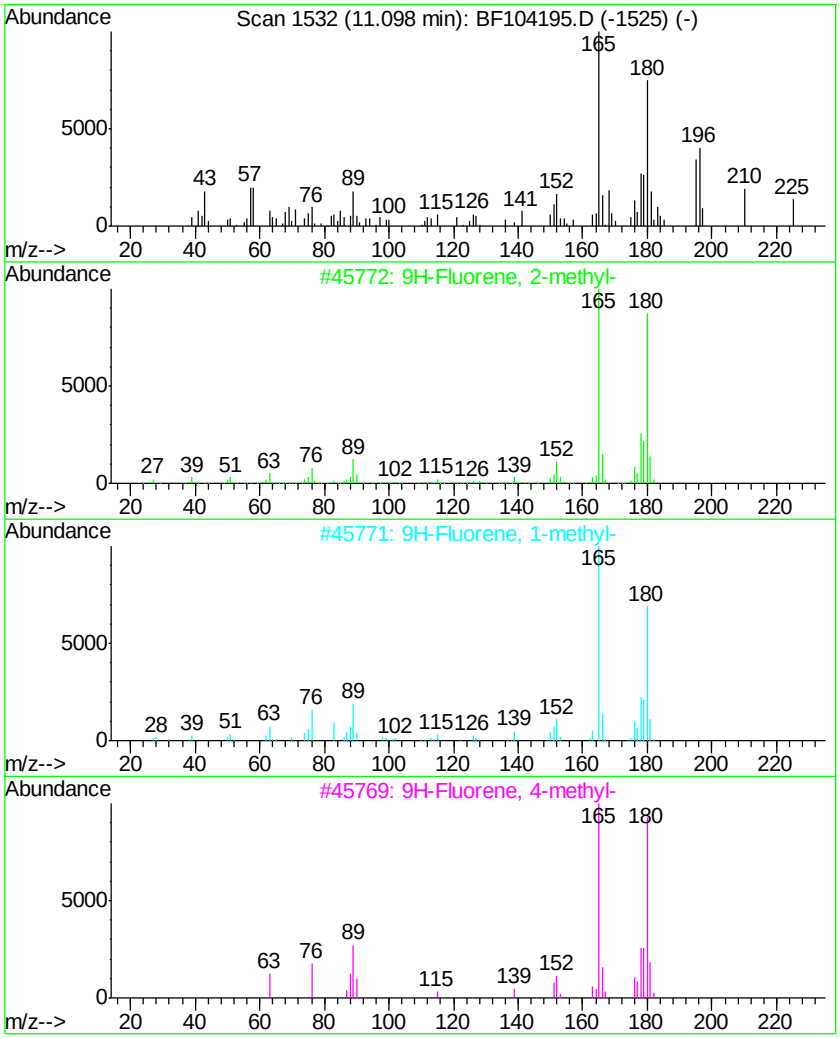
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

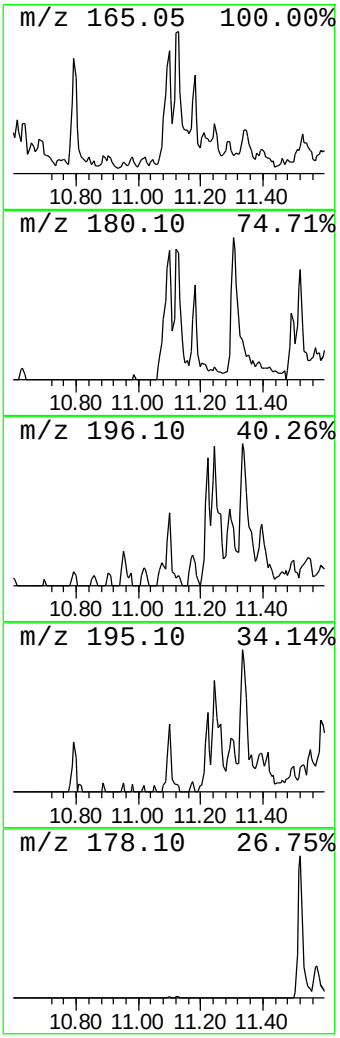
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.86 ng	121705	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	60
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

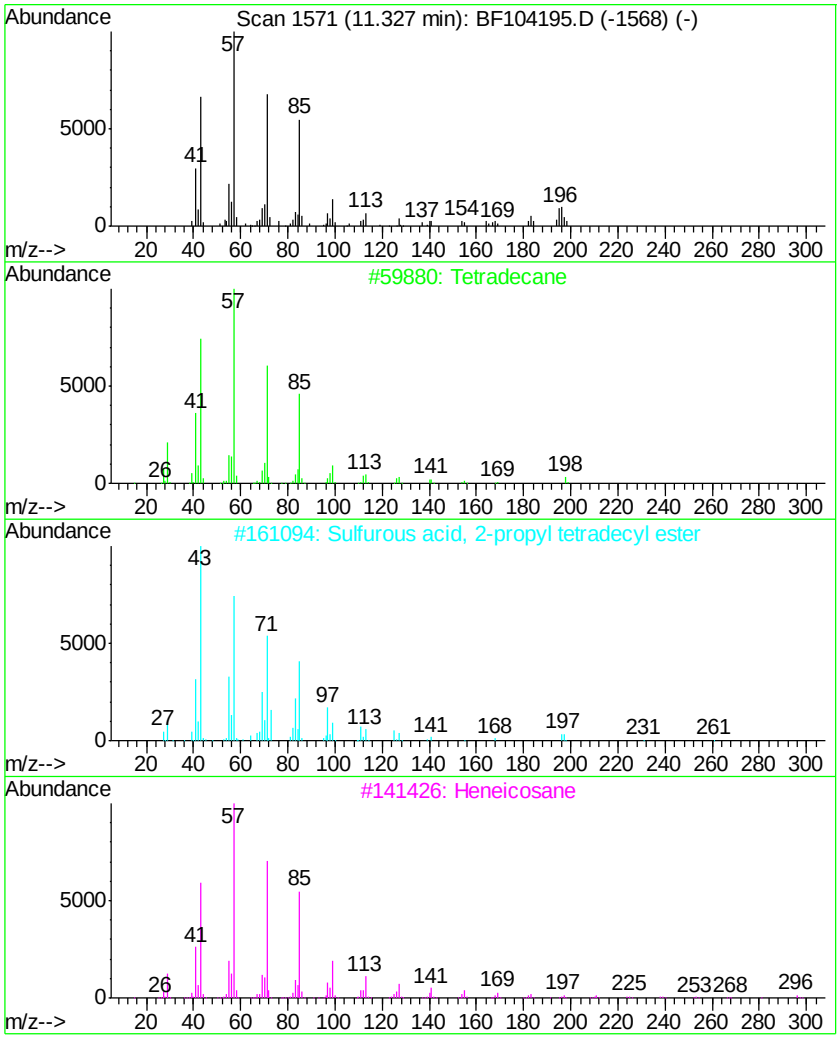
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

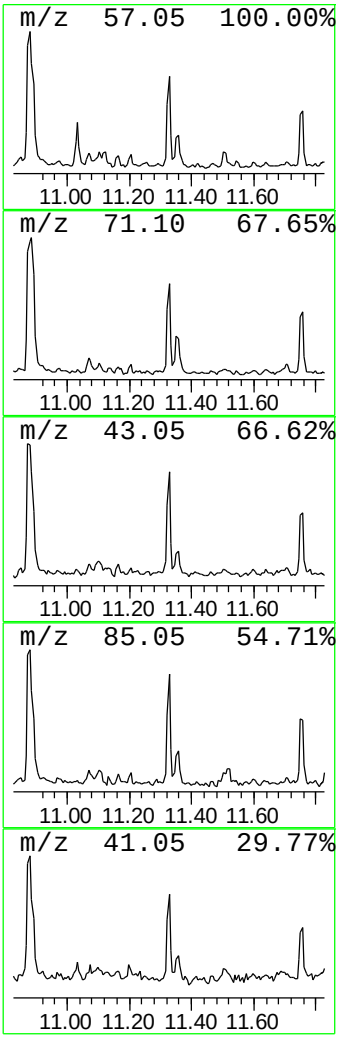
****

Peak Number 8 Tetradecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.35 ng	100127	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	80
3	Heneicosane	296	C21H44	000629-94-7	74
4	Tridecane	184	C13H28	000629-50-5	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

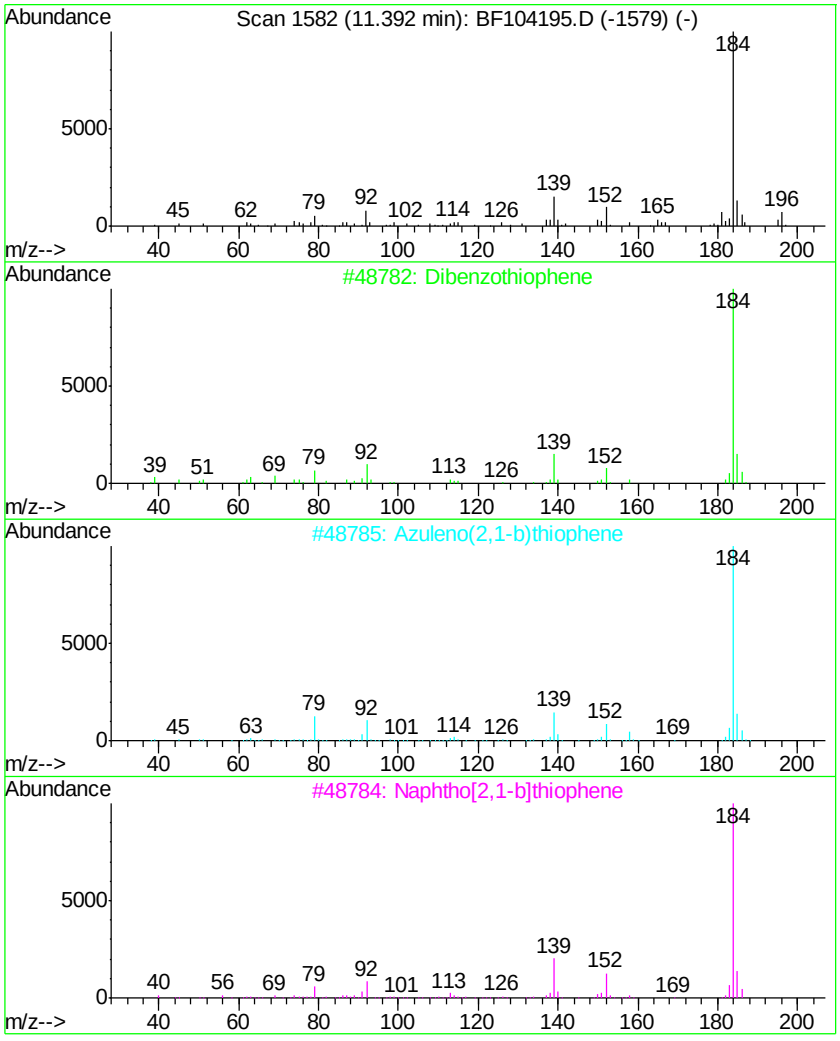
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

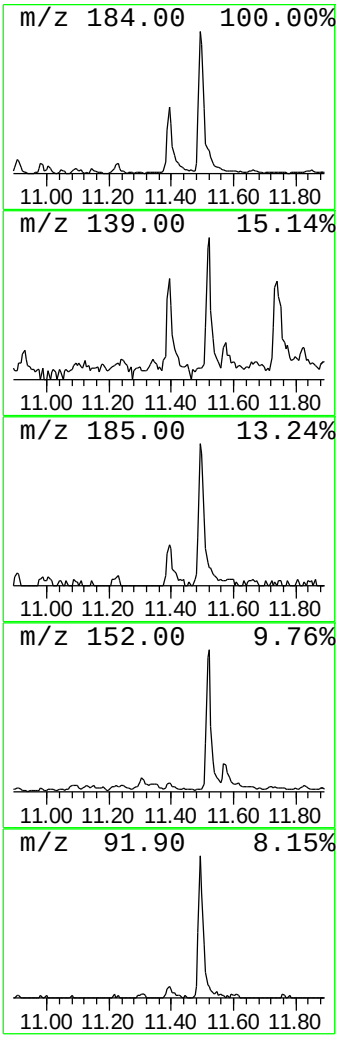
****

Peak Number 9 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	2.65 ng	112829	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	81
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	81
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

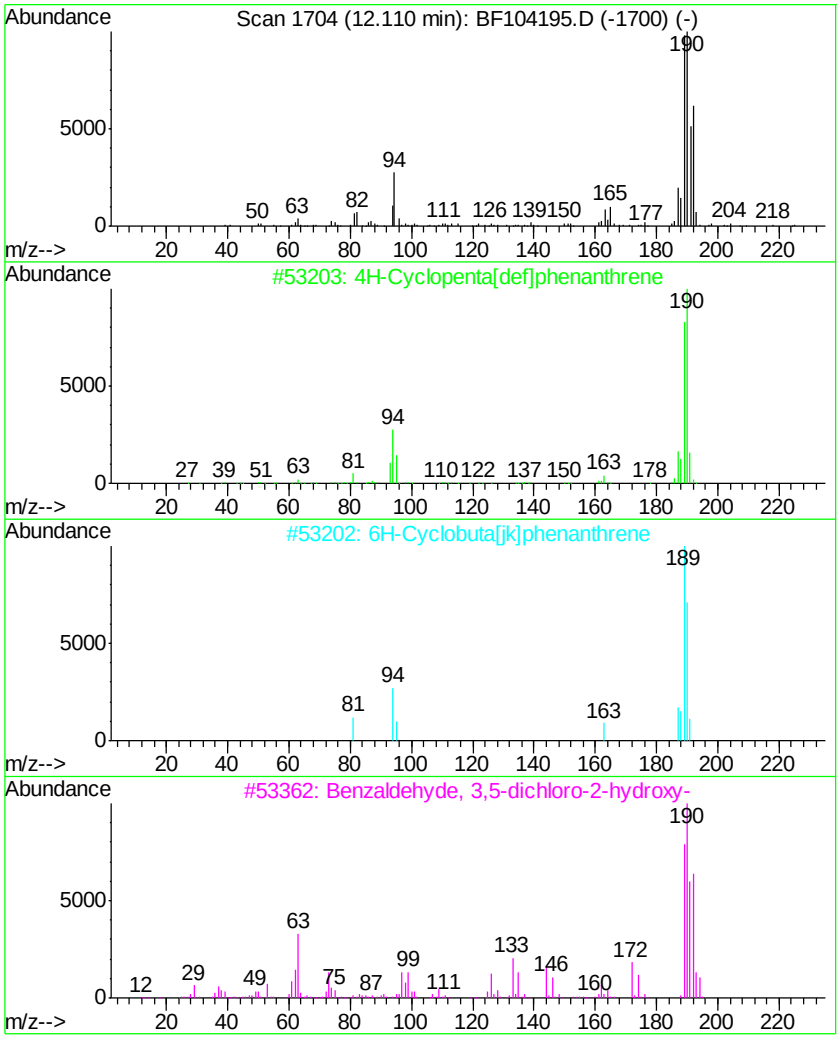
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

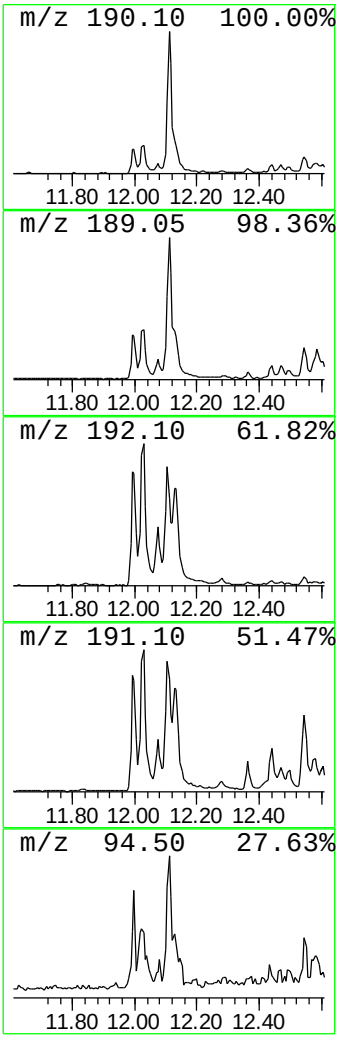
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	9.70 ng	413094	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	38
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
5	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

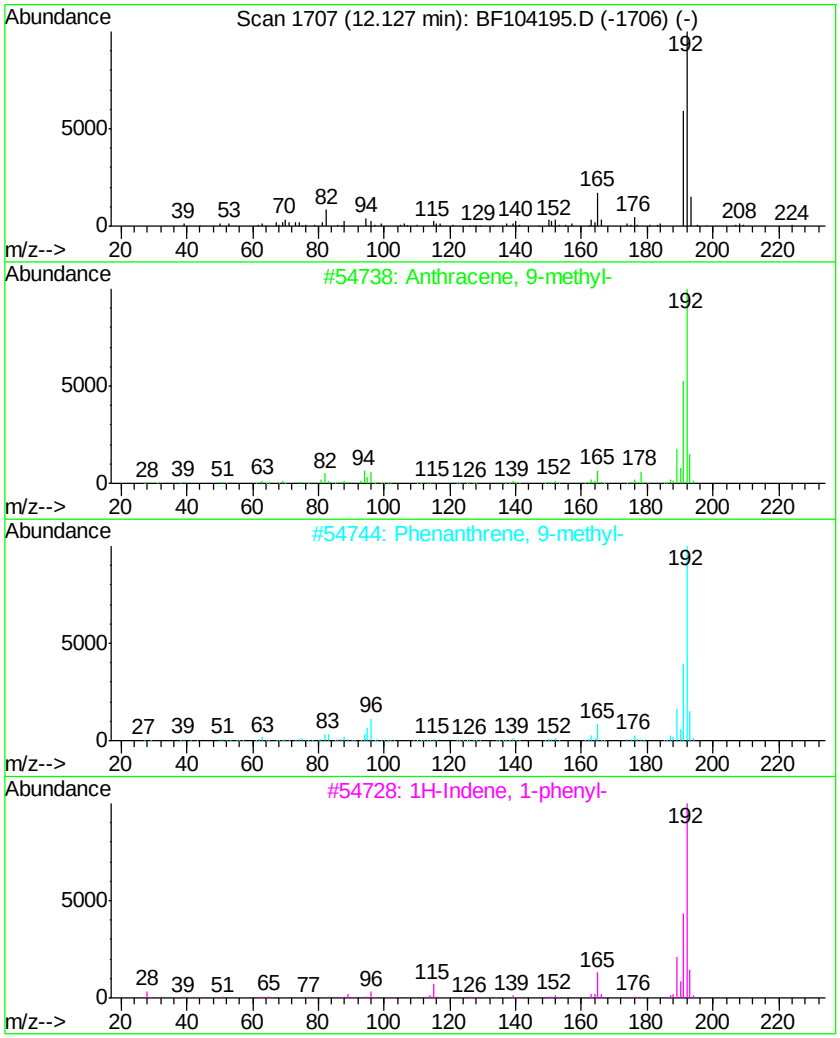
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

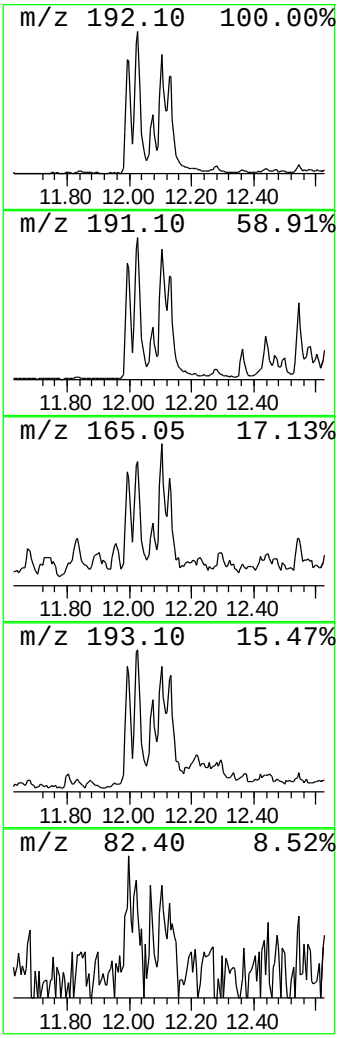
****

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.14 ng	176373	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

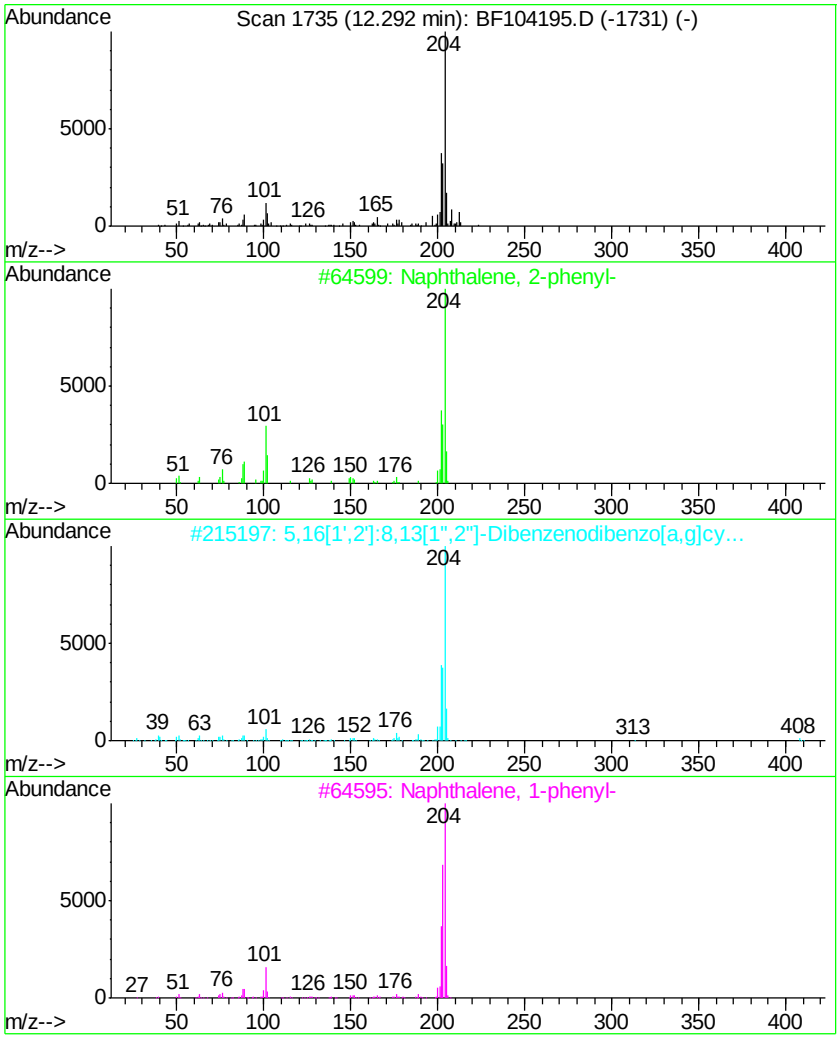
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

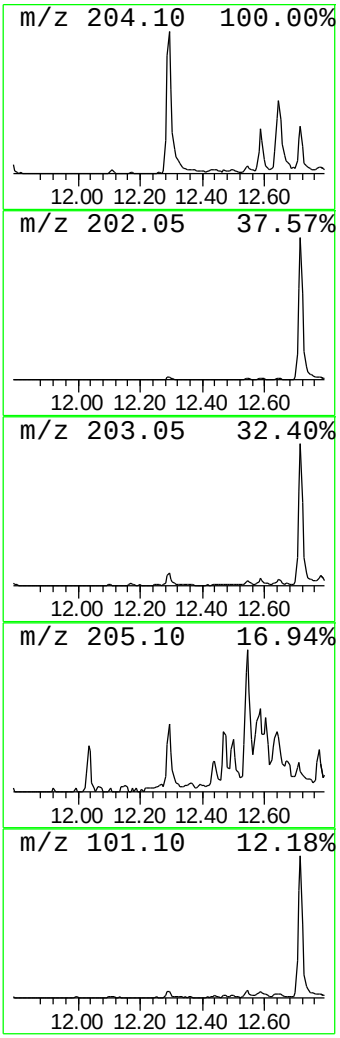
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.04 ng	129550	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

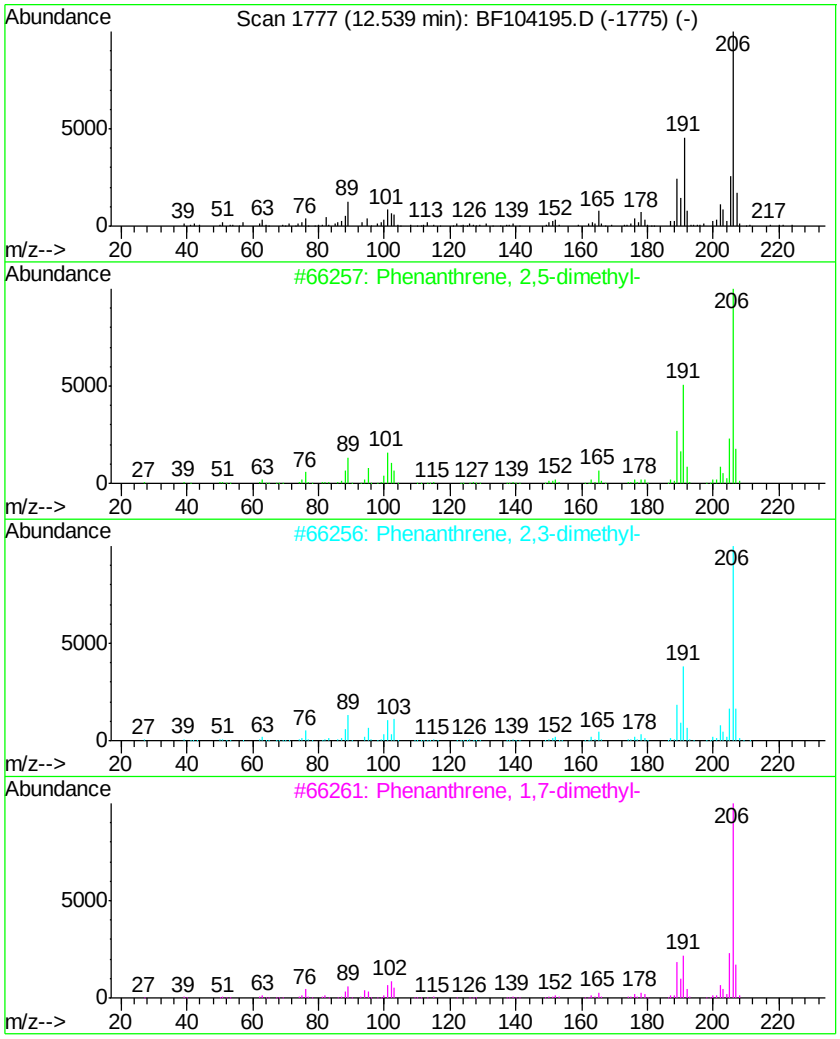
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

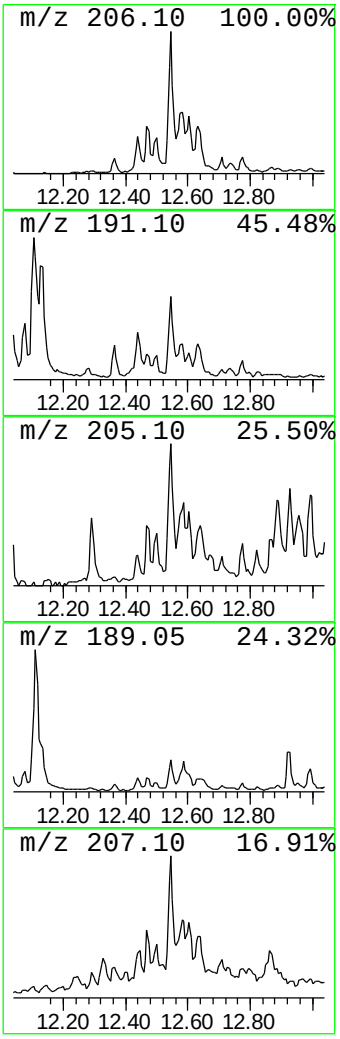
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	6.34 ng	269961	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

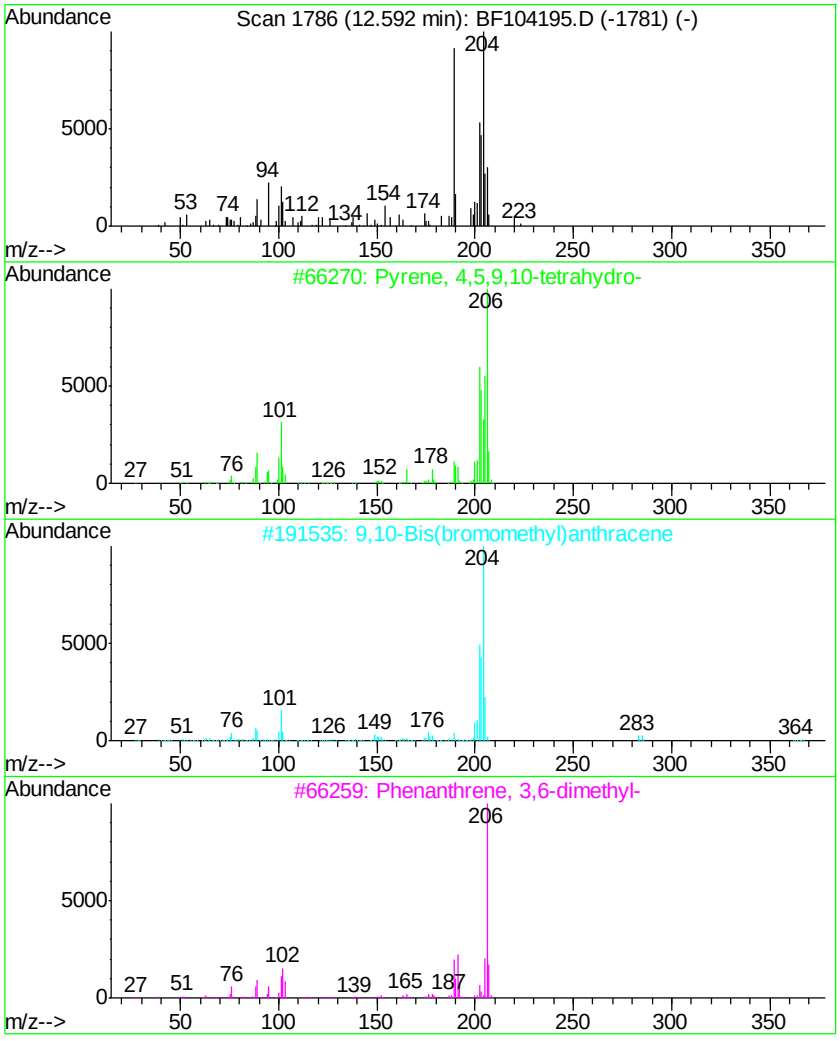
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

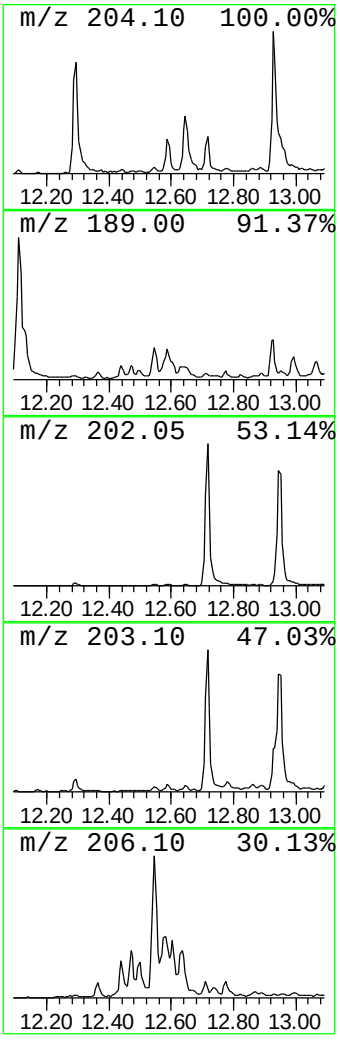
****

Peak Number 14 unknown12.59 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.12 ng	132882	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	27
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
5	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

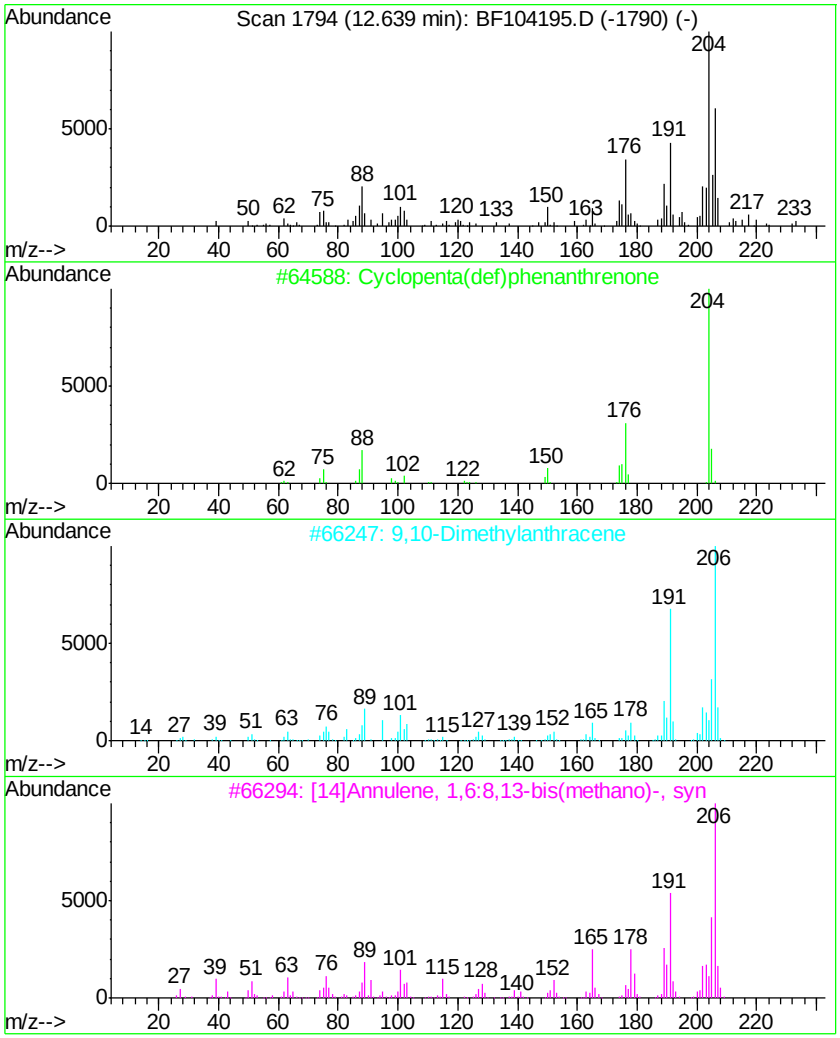
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

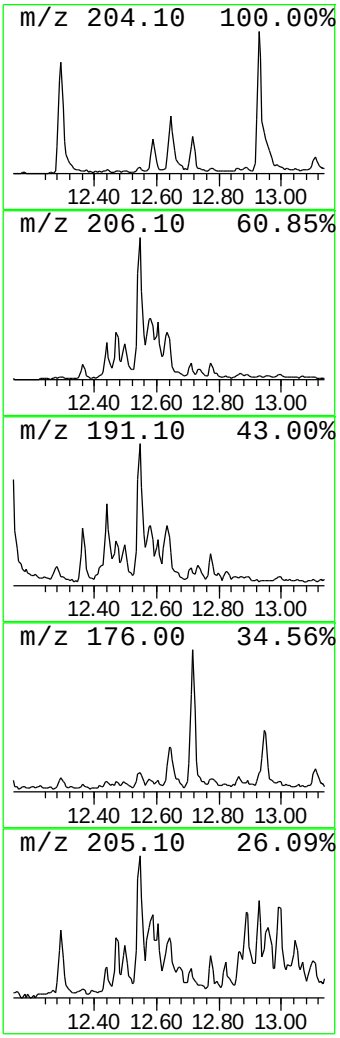
****

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.73 ng	158660	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	56
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

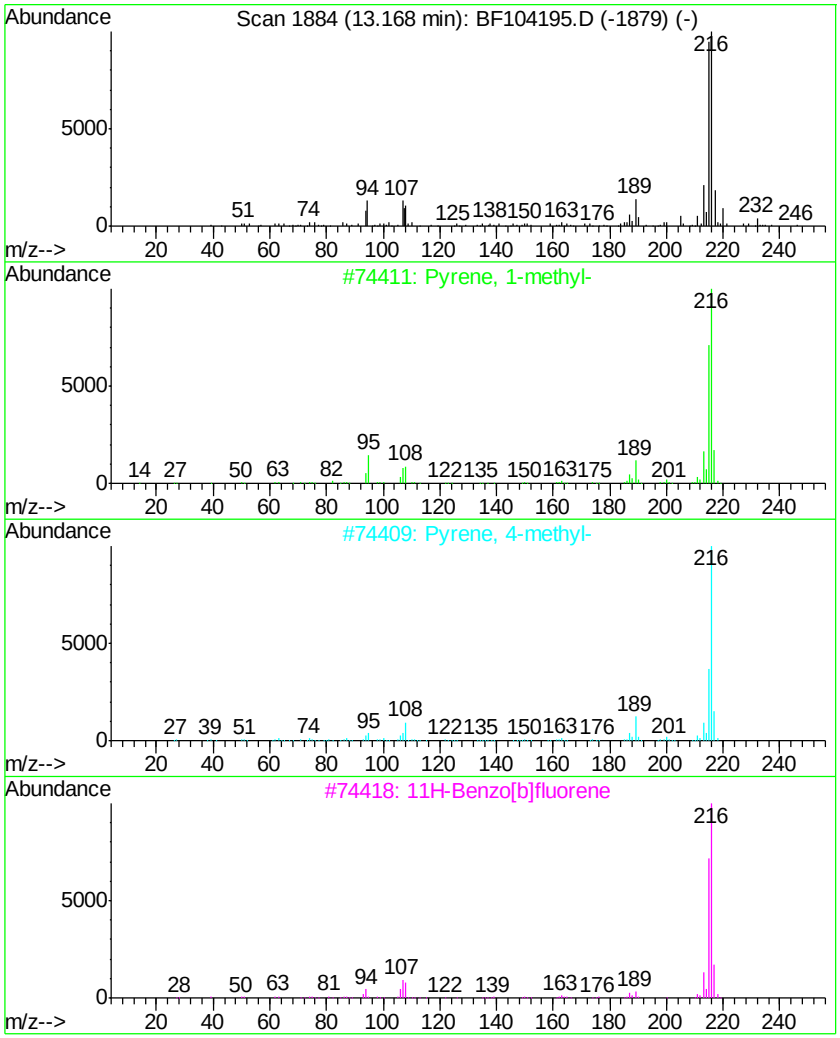
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

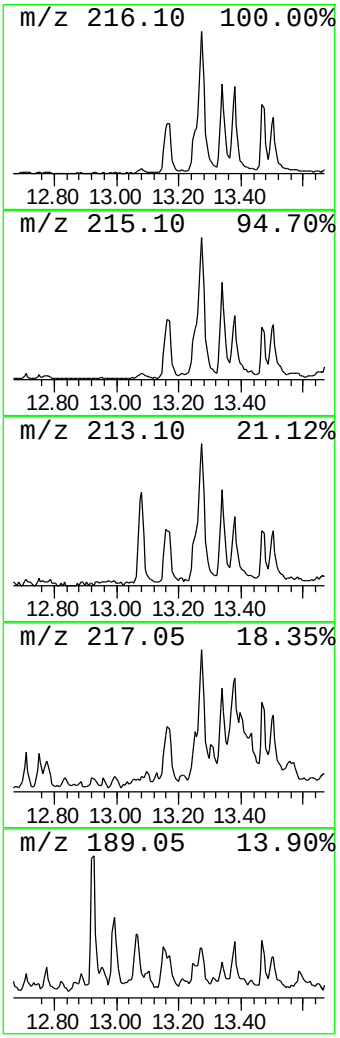
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.69 ng	203434	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

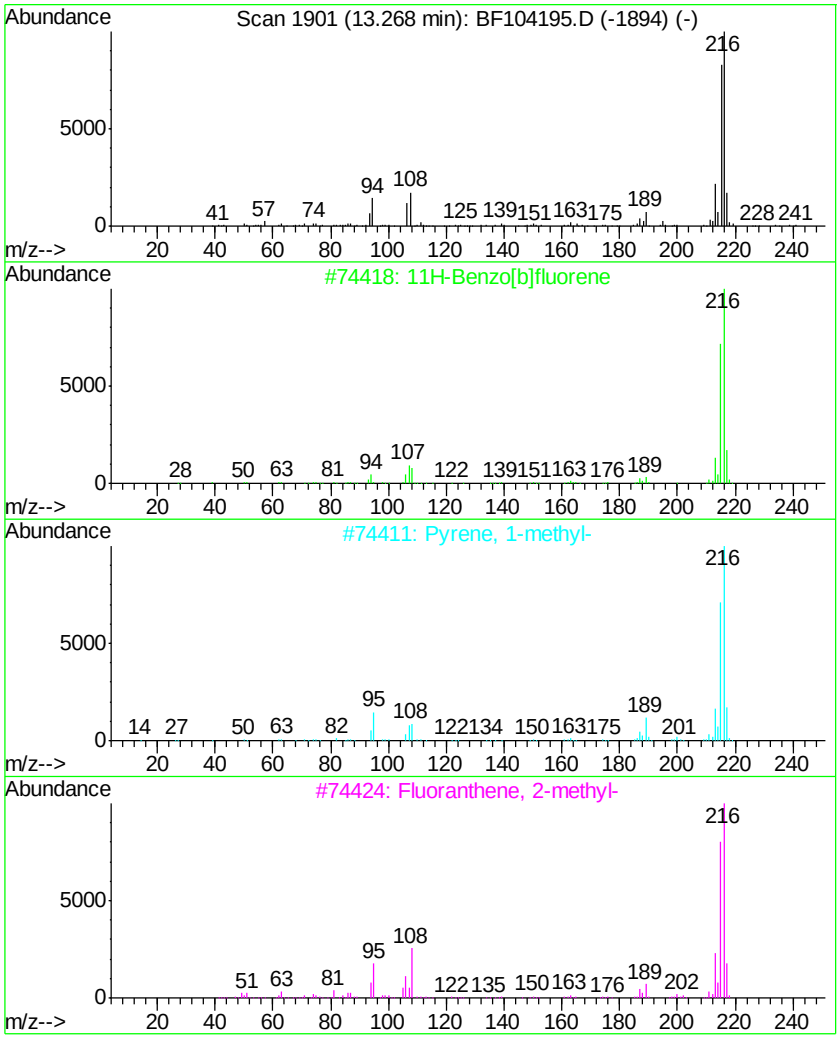
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

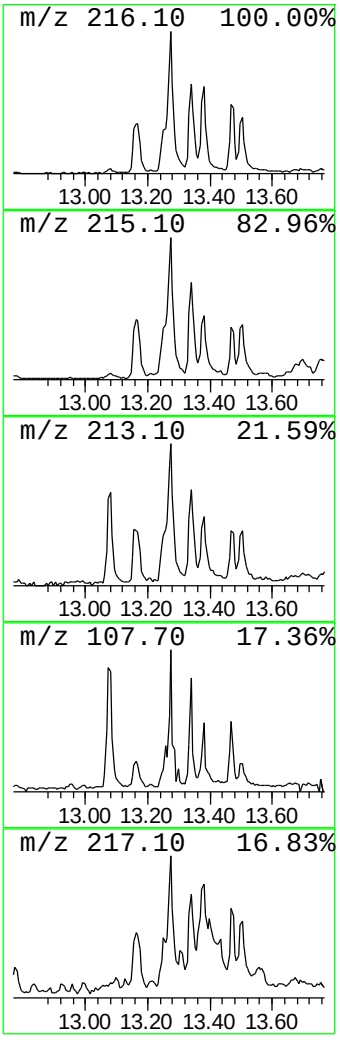
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	5.22 ng	395505	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

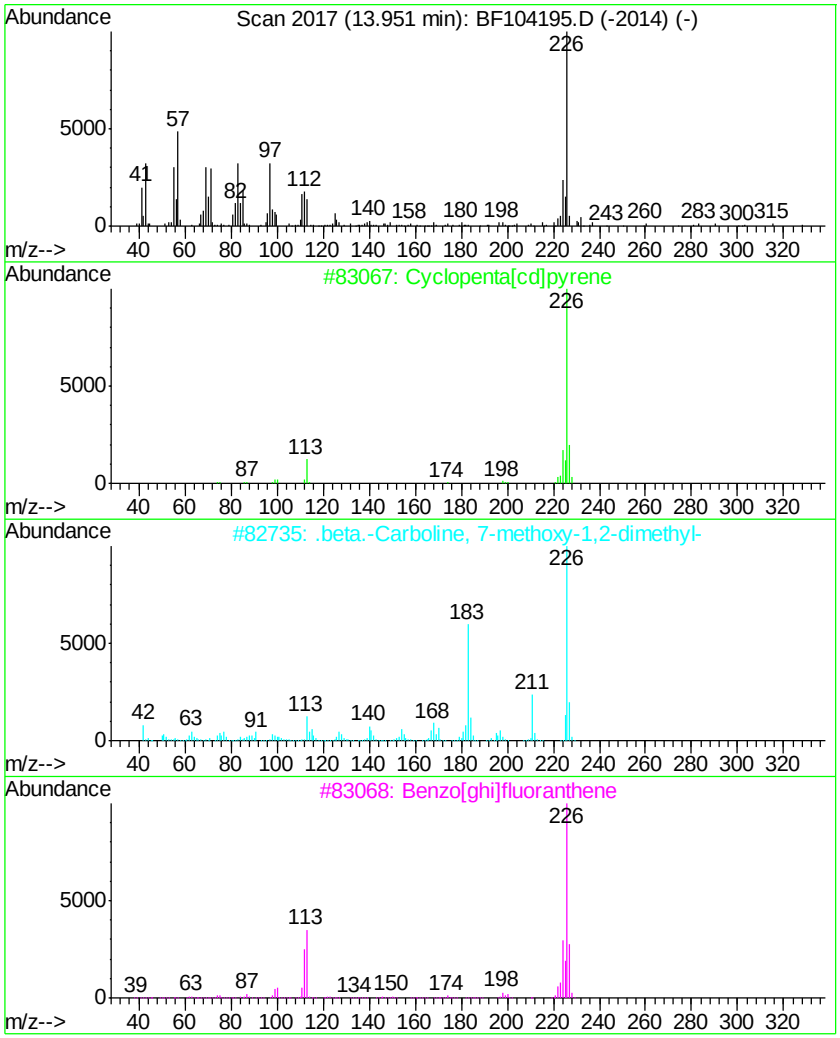
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

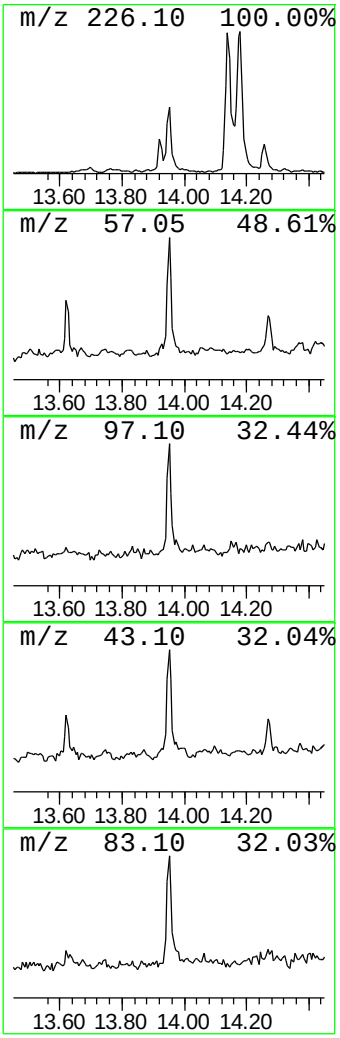
****

Peak Number 18 unknown13.95 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.70 ng	280622	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	40
4	Diheptylisobutylamine	269	C18H39N	1000310-32-0	25
5	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

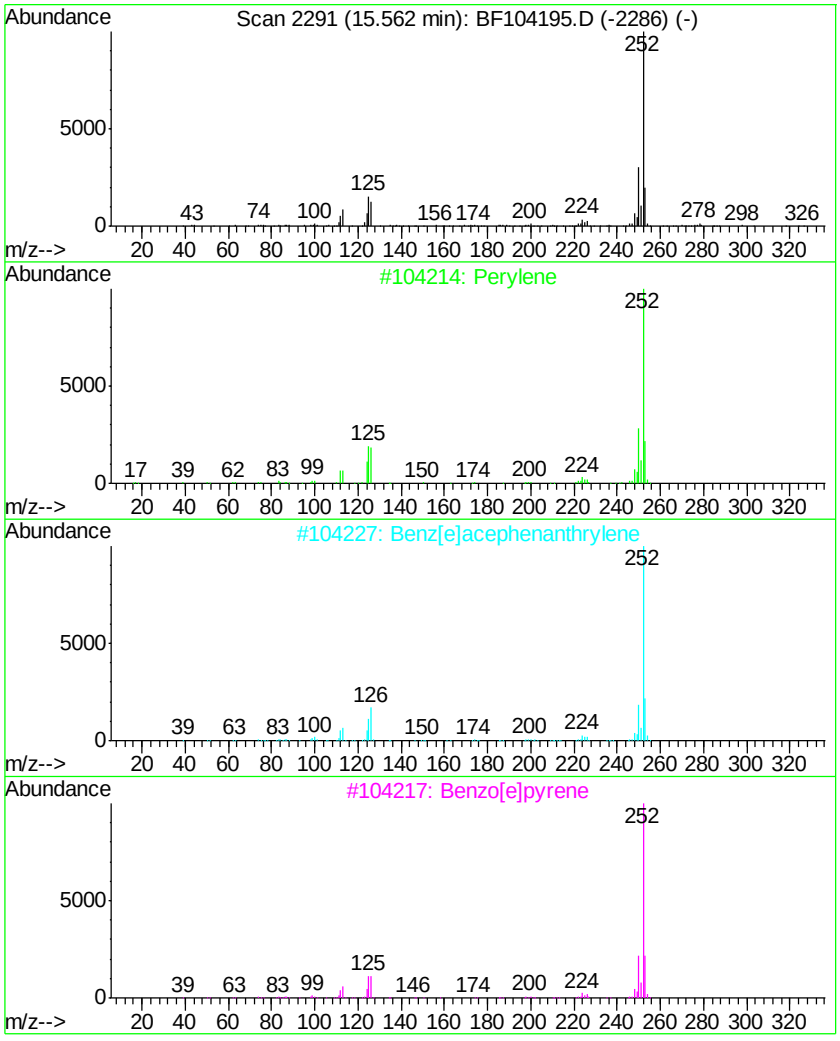
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

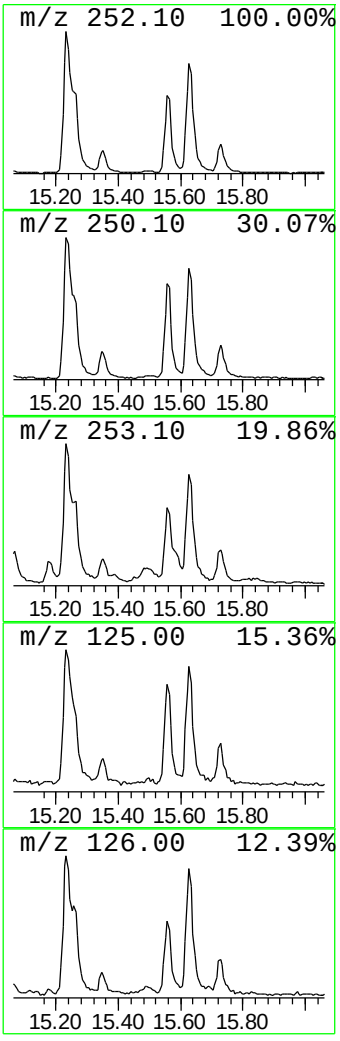
****

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	15.01 ng	351960	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	98
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
Data File : BF104195.D
Acq On : 3 Apr 2018 22:23
Operator : JU/SJ
Sample : J2182-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-5-WW@3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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
Butane, 2-methoxy...	2.30	5.3	ng	148983	1	6.96	564353	20.0
2-Pentanone, 4-hy...	5.20	4.5	ng	126806	1	6.96	564353	20.0
unknown6.73	6.73	92.9	ng	2622330	1	6.96	564353	20.0
Dodecane, 2-methyl-	10.40	4.5	ng	211825	3	10.00	933708	20.0
Hexadecane	10.88	6.1	ng	258188	4	11.49	851805	20.0
9H-Fluorene, 2-me...	11.10	2.9	ng	121705	4	11.49	851805	20.0
Tetradecane	11.33	2.4	ng	100127	4	11.49	851805	20.0
Dibenzothiophene	11.39	2.6	ng	112829	4	11.49	851805	20.0
4H-Cyclopenta[def...	12.11	9.7	ng	413094	4	11.49	851805	20.0
Anthracene, 9-met...	12.13	4.1	ng	176373	4	11.49	851805	20.0
Naphthalene, 2-ph...	12.29	3.0	ng	129550	4	11.49	851805	20.0
Phenanthrene, 2,5...	12.54	6.3	ng	269961	4	11.49	851805	20.0
unknown12.59	12.59	3.1	ng	132882	4	11.49	851805	20.0
Cyclopenta(def)ph...	12.64	3.7	ng	158660	4	11.49	851805	20.0
Pyrene, 1-methyl-	13.17	2.7	ng	203434	5	14.15	1515330	20.0
11H-Benzo[b]fluorene	13.27	5.2	ng	395505	5	14.15	1515330	20.0
unknown13.95	13.95	3.7	ng	280622	5	14.15	1515330	20.0
Perylene	15.56	15.0	ng	351960	6	15.69	468904	20.0