LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

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-BF062717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.975	486	491	498	rBV	818445	1093686	6.43%	0.450%
2	5.392	555	562	565	rBV	4210538	4271377	25.11%	1.757%
3	6.404	728	734	738	rBV	3887689	4351534	25.58%	1.790%
4	6.545	753	758	761	rBV	4207800	4096247	24.08%	1.685%
5	6.781	794	798	801	rBV	1315788	1189602	6.99%	0.489%
6	6.933	820	824	827	rBV	3335875	3051458	17.94%	1.255%
7	7.333	887	892	895	rBV	2762675	2721796	16.00%	1.119%
8	8.063	1011	1016	1017	rBV	1720416	1934920	11.38%	0.796%
9	8.086	1017	1020	1023	rVV	5449300	5031604	29.58%	2.069%
10	8.774	1132	1137	1140	rBV	3053450	2827788	16.63%	1.163%
11	8.869	1148	1153	1157	rVB	2371236	2085129	12.26%	0.858%
12	9.133	1194	1198	1202	rVB	3886776	3709389	21.81%	1.526%
13	9.233	1211	1215	1218	rVB	1180722	936381	5.51%	0.385%
14	9.327	1228	1231	1236	rVB	538249	566273	3.33%	0.233%
15	9.392	1236	1242	1247	rBV	1091076	1515969	8.91%	0.623%
16	9.469	1250	1255	1258	rVV	1658924	1880282	11.05%	0.773%
17	9.498	1258	1260	1262	rVV	1245458	963957	5.67%	0.396%
18	9.527	1262	1265	1268	rVV	817420	655644	3.85%	0.270%
19	9.586	1268	1275	1283	rVV2	943196	1188006	6.98%	0.489%
20	9.669	1283	1289	1294	rVB	1500018	1305295	7.67%	0.537%
21	9.810	1307	1313	1316	rVV3	1717936	2185910	12.85%	0.899%
22	9.845	1316	1319	1322	rVV	4206816	3972421	23.36%	1.634%
23	10.016	1344	1348	1351	rVB	4089250	3922930	23.06%	1.613%
24	10.051	1351	1354	1357	rBV	644136	558005	3.28%	0.229%
25	10.127	1362	1367	1370	rBV2	606796	668413	3.93%	0.275%
26	10.216	1378	1382	1387	rBV2	512983	923471	5.43%	0.380%
27	10.357	1402	1406	1411	rVB	4031409	4427840	26.03%	1.821%
28	10.421	1415	1417	1419	rVV	772828	666199	3.92%	0.274%
29	10.445	1419	1421	1423	rVV	778092	631375	3.71%	0.260%
30	10.516	1430	1433	1438	rVB	1533677	1490738	8.76%	0.613%
31	10.592	1438	1446	1451	rBV2	2729701	3643818	21.42%	1.499%
32	10.721	1463	1468	1475	rVB5	456676	754243	4.43%	0.310%
33	10.904	1492	1499	1501	rBV3	1129038	1659960	9.76%	0.683%
34	11.033	1516	1521	1523	rBV2	657721	933871	5.49%	0.384%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

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-BF062717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.098	1529	1532	1536	rVB	2037846	1943693	11.43%	0.799%
36	11.145	1536	1540	1544	rBV2	821060	1172859	6.90%	0.482%
37	11.186	1544	1547	1551	rVB	1900842	1933942	11.37%	0.795%
38	11.345	1561	1574	1576	rBV	7308418	17008725	100.00%	6.995%
39	11.380	1576	1580	1582	rVV	5426531	5867585	34.50%	2.413%
40	11.404	1582	1584	1587	rVV2	926021	817179	4.80%	0.336%
41	11.521	1597	1604	1606	rBV2	3150618	3464599	20.37%	1.425%
42	11.592	1613	1616	1619	rVV2	527621	631584	3.71%	0.260%
43	11.621	1619	1621	1625	rVB2	778996	661662	3.89%	0.272%
44	11.798	1645	1651	1653	rVV	2869284	3108822	18.28%	1.279%
45	11.827	1653	1656	1660	rVB	3931659	3850785	22.64%	1.584%
46	11.868	1660	1663	1666	rBV	1648616	1717088	10.10%	0.706%
47	11.910	1666	1670	1672	rVV	3737086	4447550	26.15%	1.829%
48	11.933	1672	1674	1676	rVB	2144614	1624673	9.55%	0.668%
49	12.092	1697	1701	1703	rVV	1901425	2080577	12.23%	0.856%
50	12.115	1703	1705	1708	rVV2	1466447	1159034	6.81%	0.477%
51	12.239	1720	1726	1728	rBV	766985	981719	5.77%	0.404%
52	12.268	1728	1731	1733	rVV	695785	619504	3.64%	0.255%
53	12.292	1733	1735	1738	rVB	691082	559923	3.29%	0.230%
54	12.345	1739	1744	1747	rBV	1446993	1973051	11.60%	0.811%
55	12.380	1747	1750	1752	rVV	941672	1224194	7.20%	0.503%
56	12.433	1756	1759	1766	rVB2	1086292	1596765	9.39%	0.657%
57	12.527	1766	1775	1778	rBV	6296001	13215658	77.70%	5.435%
58	12.568	1778	1782	1785	rVV3	539166	779741	4.58%	0.321%
59	12.621	1788	1791	1793	rVV	1200630	1222792	7.19%	0.503%
60	12.651	1793	1796	1799	rVV2	1053884	1256177	7.39%	0.517%
61	12.757	1806	1814	1816	rVV3	5882561	12368399	72.72%	5.087%
62	12.780	1816	1818	1824	rVB2	988746	1293824	7.61%	0.532%
63	12.851	1826	1830	1832	rBV	1252669	1199206	7.05%	0.493%
64	12.880	1832	1835	1841	rVB2	2395399	3251484	19.12%	1.337%
65	12.951	1841	1847	1850	rBV2	1324099	2348634	13.81%	0.966%
66	13.033	1858	1861	1863	rVV4	929983	1119939	6.58%	0.461%
67	13.062	1863	1866	1869	rVB	2377063	2284834	13.43%	0.940%
68	13.127	1873	1877	1879	rBV	1745215	1637339	9.63%	0.673%
69	13.162	1879	1883	1886	rVV2	1721858	1925575	11.32%	0.792%
70	13.257	1895	1899	1901	rVB	928982	799916	4.70%	0.329%
71	13.286	1901	1904	1907	rBV2	1000188	950693	5.59%	0.391%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

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-BF062717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.462	1926	1934	1936	rBV7	703589	1548622	9.10%	0.637%
73	13.562	1944	1951	1956	rBV	1396928	2152365	12.65%	0.885%
74	13.674	1966	1970	1973	rBV2	1592405	2028531	11.93%	0.834%
75	13.704	1973	1975	1977	rVV	1401229	1259718	7.41%	0.518%
76	13.727	1977	1979	1983	rVV2	1157524	1599687	9.41%	0.658%
77	13.774	1984	1987	1993	rVB	1759066	2030836	11.94%	0.835%
78	13.933	2006	2014	2016	rBV2	4432968	8592145	50.52%	3.534%
79	13.968	2016	2020	2026	rVB	4358488	6398895	37.62%	2.632%
80	14.039	2029	2032	2035	rVB	1142026	931492	5.48%	0.383%
81	14.109	2042	2044	2047	rVB	888150	784837	4.61%	0.323%
82	14.145	2047	2050	2054	rBV2	1028151	1250808	7.35%	0.514%
83	14.315	2075	2079	2082	rVV2	1523656	1754077	10.31%	0.721%
84	14.345	2082	2084	2087	rVB	855889	797242	4.69%	0.328%
85	14.409	2091	2095	2097	rVV3	852445	1018473	5.99%	0.419%
86	14.439	2097	2100	2101	rVV	785957	695610	4.09%	0.286%
87	14.456	2101	2103	2107	rVB3	855833	812846	4.78%	0.334%
88	14.504	2107	2111	2118	rVB4	577562	889831	5.23%	0.366%
89	14.615	2126	2130	2132	rBV3	576370	776249	4.56%	0.319%
90	14.792	2156	2160	2168	rVB2	500550	874124	5.14%	0.359%
91	14.968	2182	2190	2193	rBV	3432506	8519704	50.09%	3.504%
92	15.056	2202	2205	2208	rVB	1328161	1394084	8.20%	0.573%
93	15.251	2232	2238	2243	rVB2	2245569	3977057	23.38%	1.636%
94	15.321	2243	2250	2253	rVB	3264292	5174441	30.42%	2.128%
95	15.362	2253	2257	2259	rBV	663189	807641	4.75%	0.332%
96	15.398	2259	2263	2269	rVB2	1525330	2191592	12.89%	0.901%
97	16.780	2489	2498	2503	rVB2	1664095	3844100	22.60%	1.581%
98	16.933	2519	2524	2528	rBV	337542	589083	3.46%	0.242%
99	17.203	2560	2570	2578	rVB	1268224	3293905	19.37%	1.355%
100	17.403	2599	2604	2618	rVB2	476156	1254176	7.37%	0.516%

Sum of corrected areas: 243157426

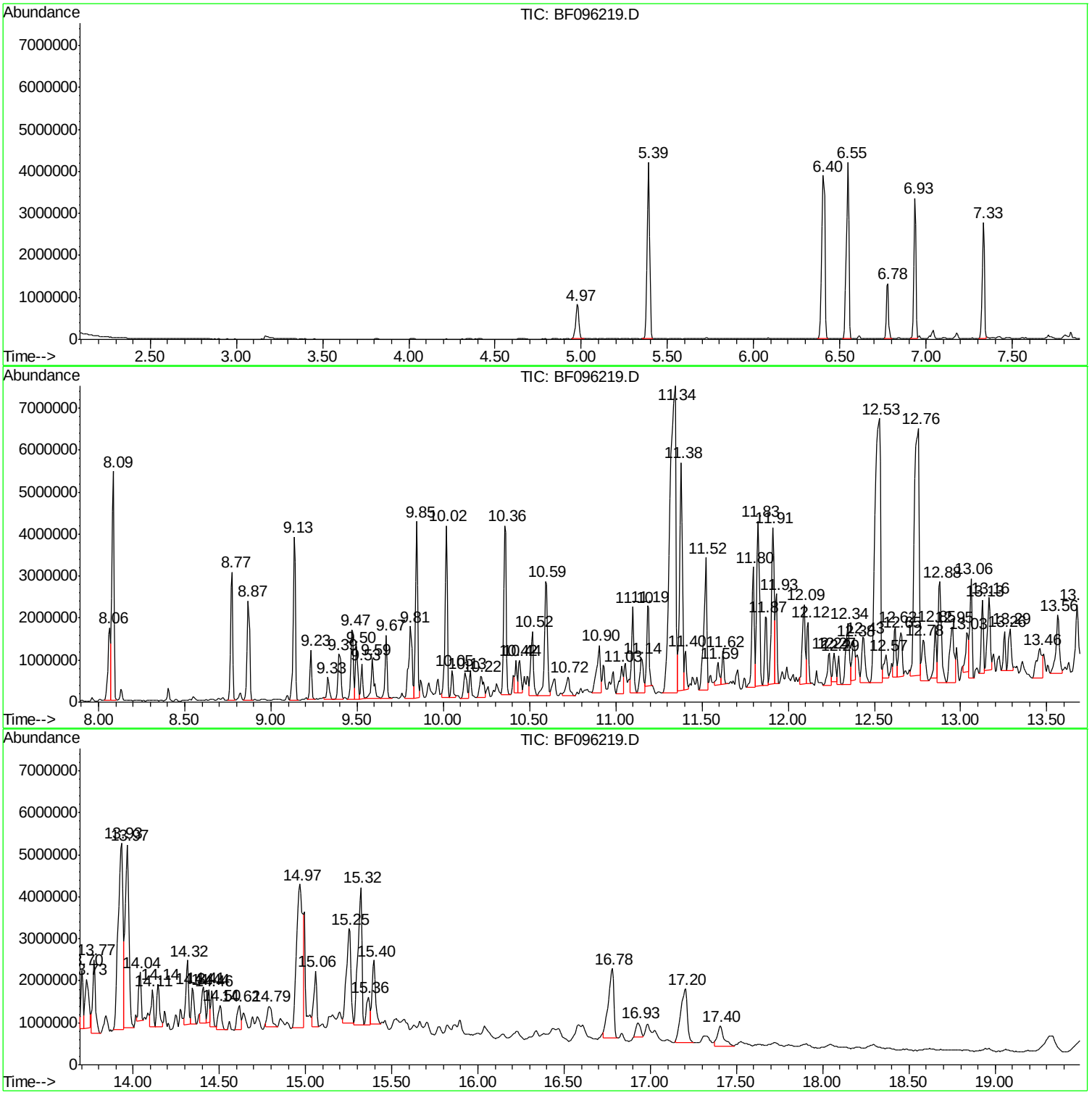
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

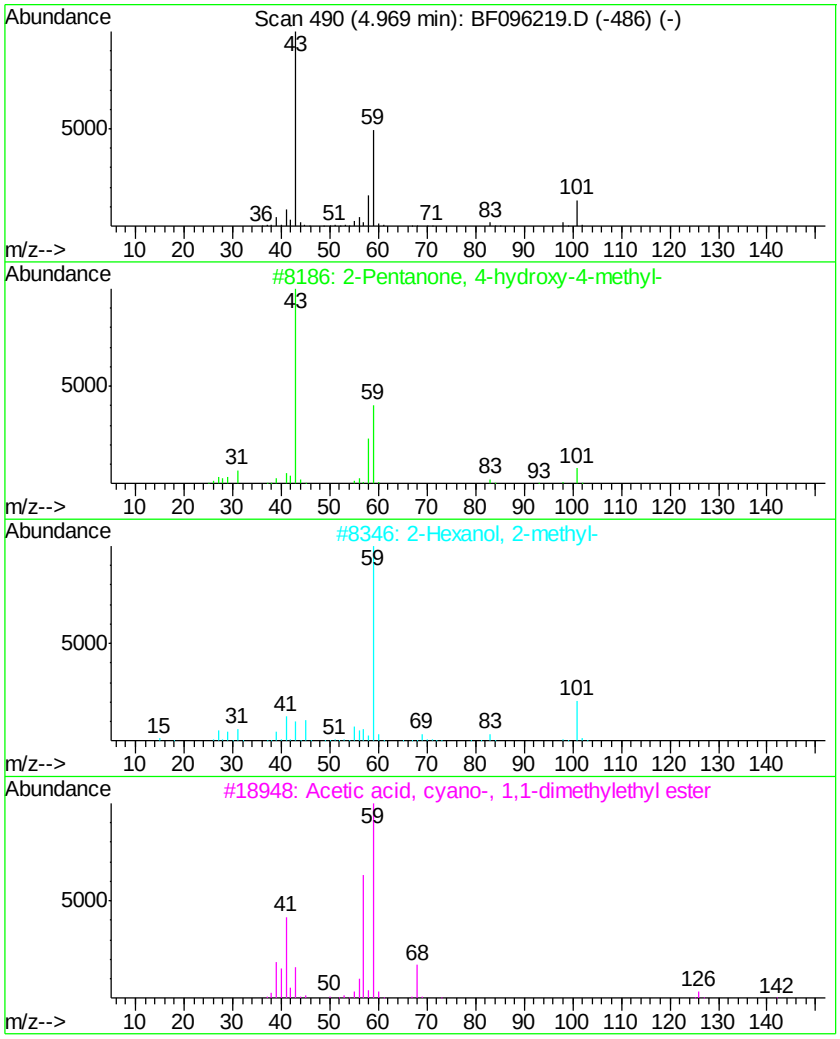
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

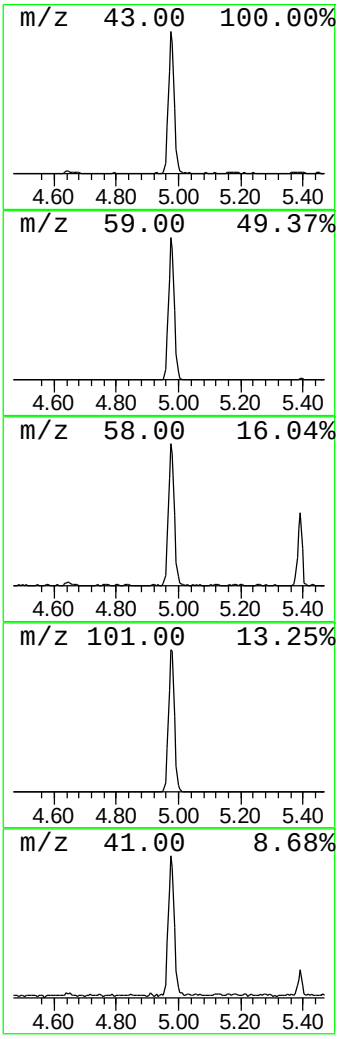
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	18.39 ng	1093690	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	5-Oxohexanenitrile	111	C6H9NO	010412-98-3	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

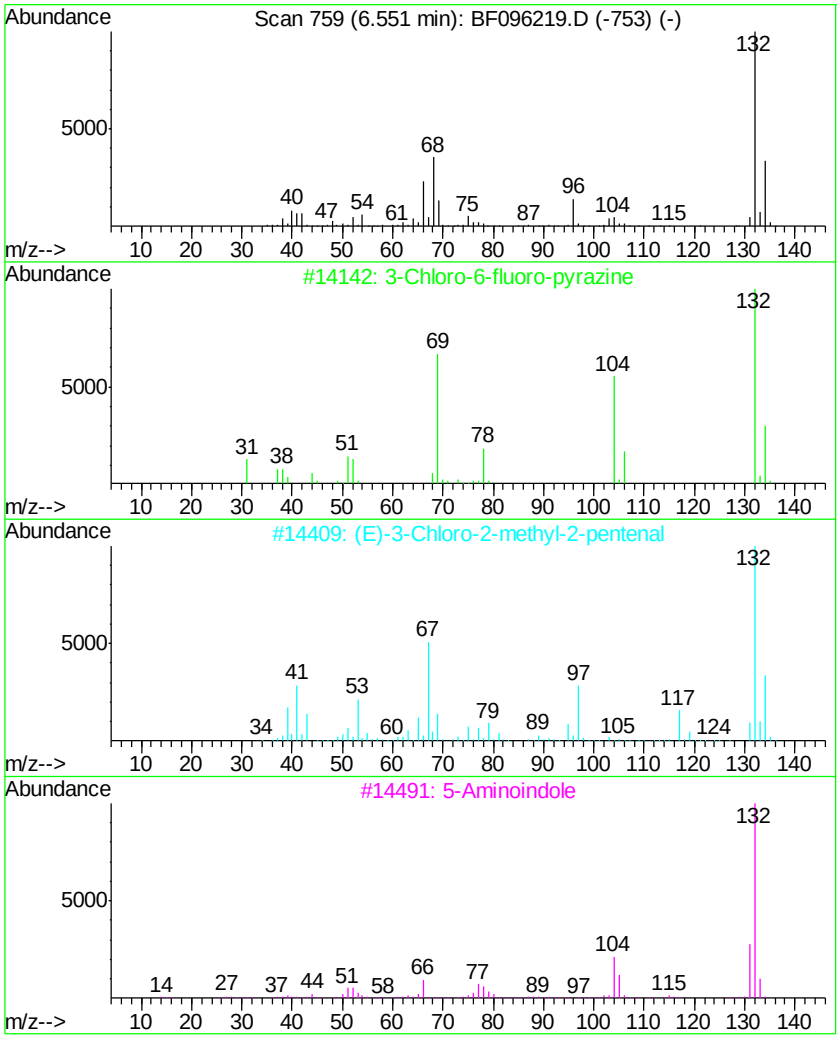
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

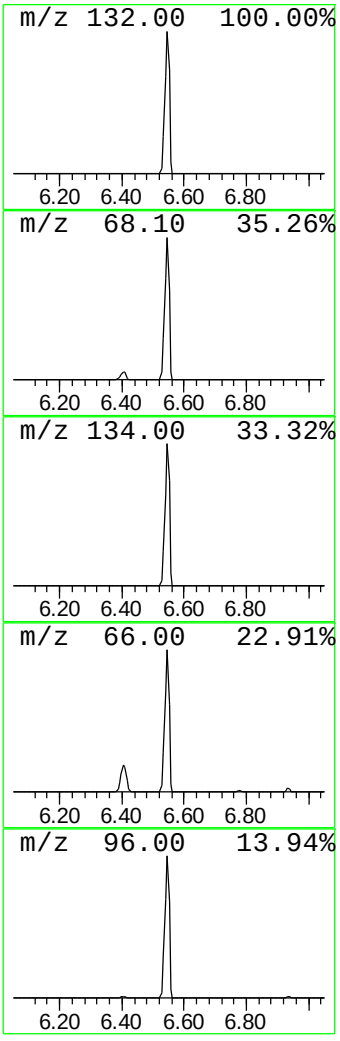
****

Peak Number 2 unknown6.55 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	68.87 ng	4096250	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

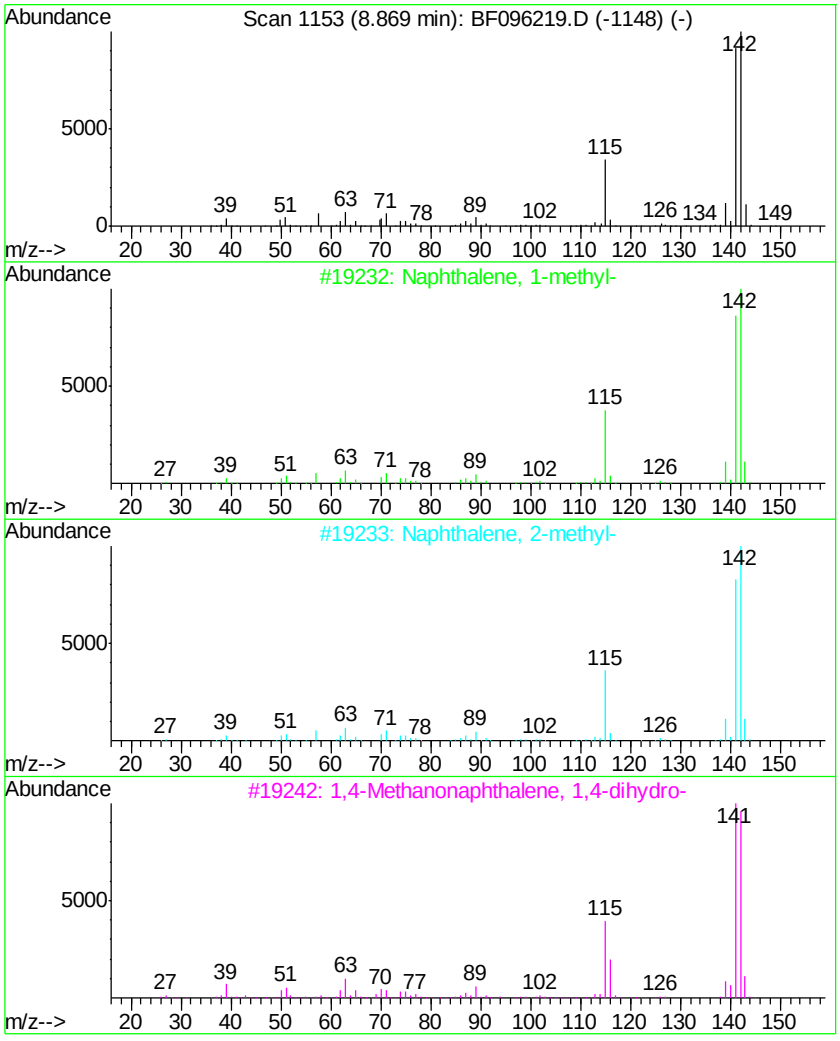
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

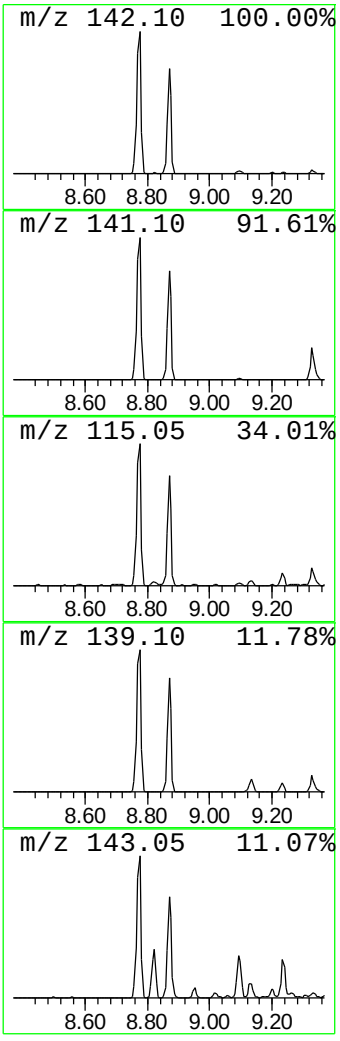
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	21.55 ng	2085130	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

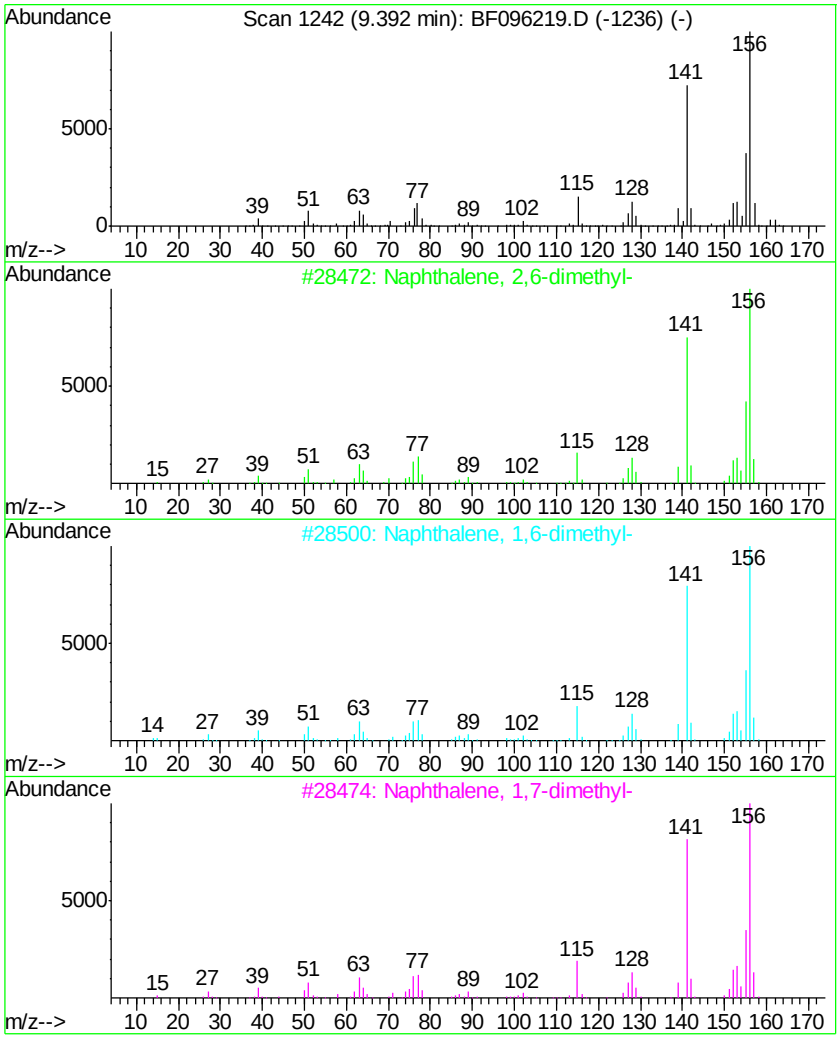
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

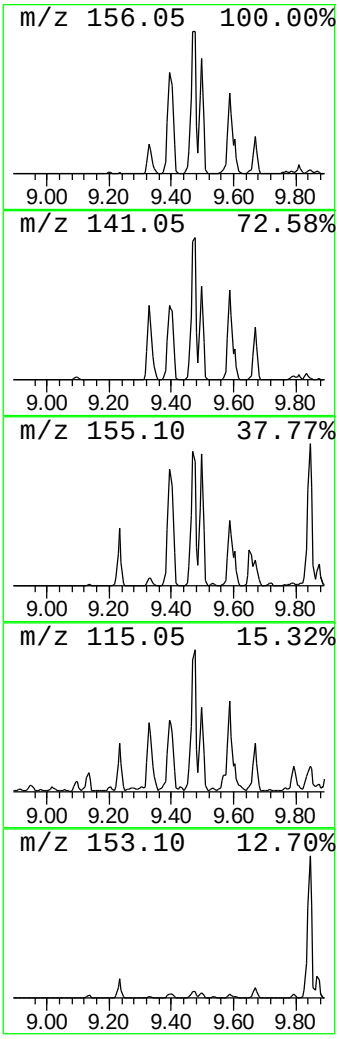
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	13.87 ng	1515970	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

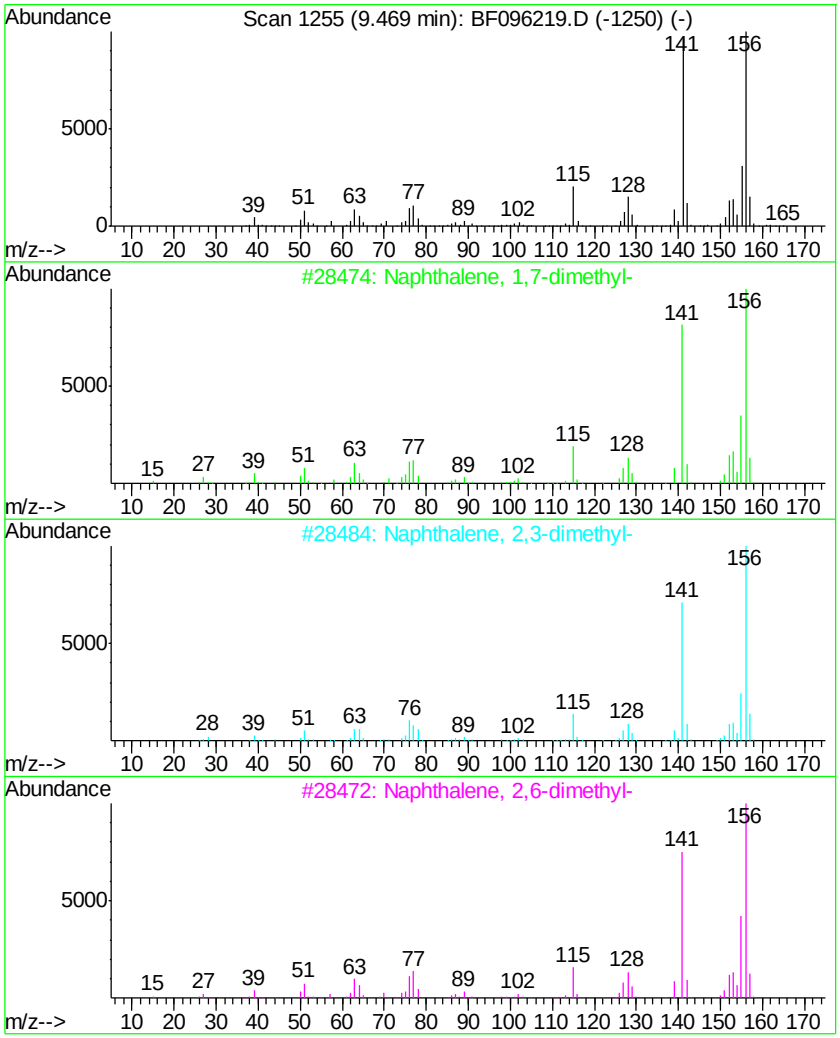
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

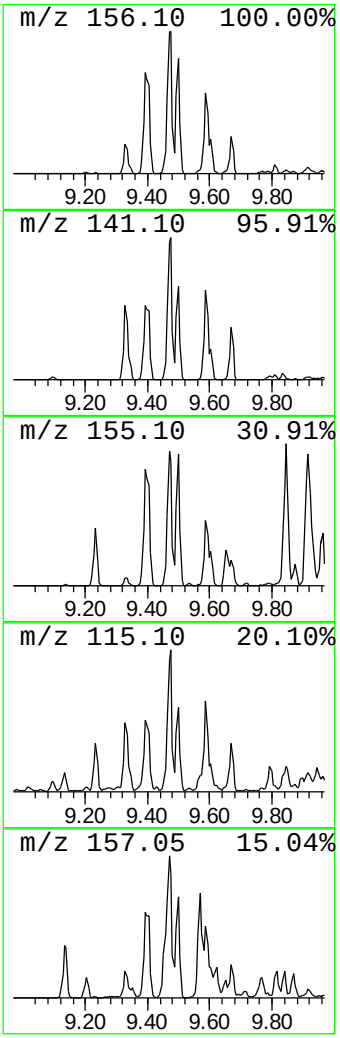
****

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	17.20 ng	1880280	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

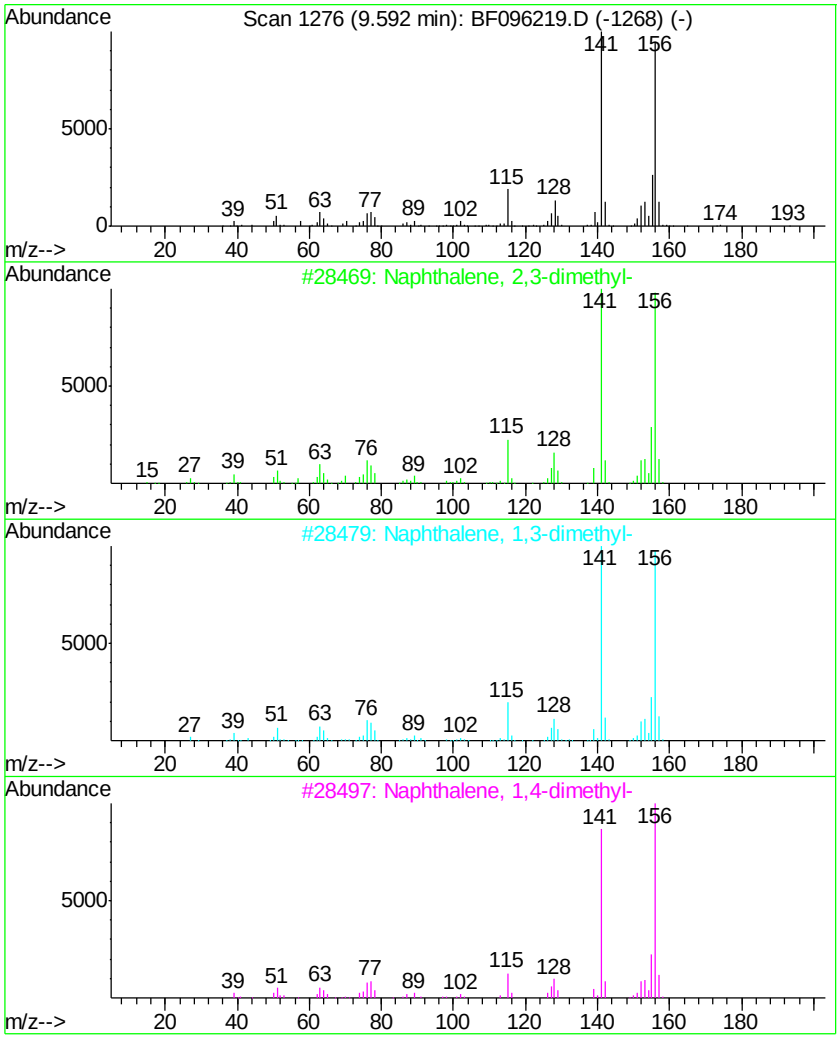
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

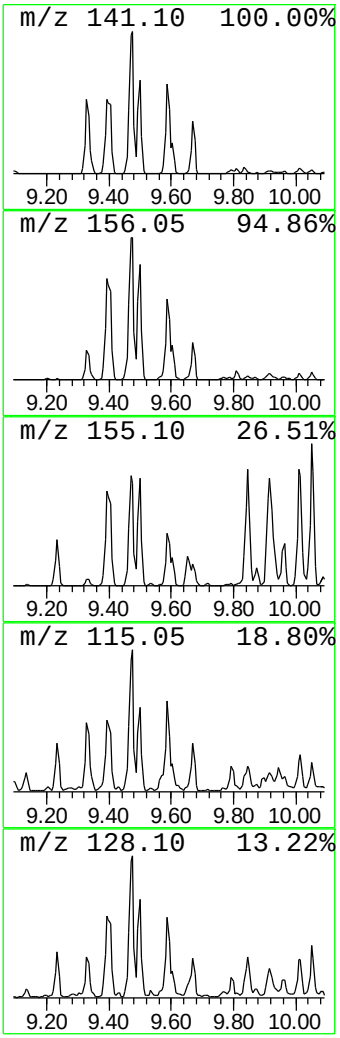
****

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	10.87 ng	1188010	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

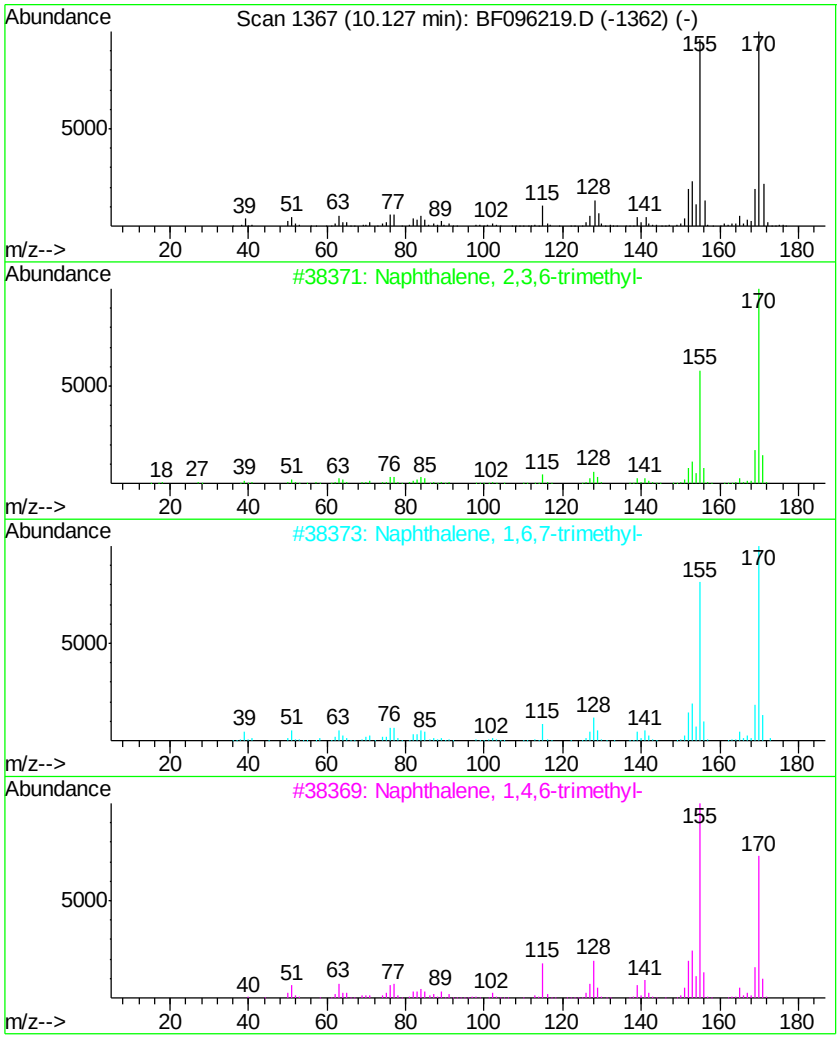
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

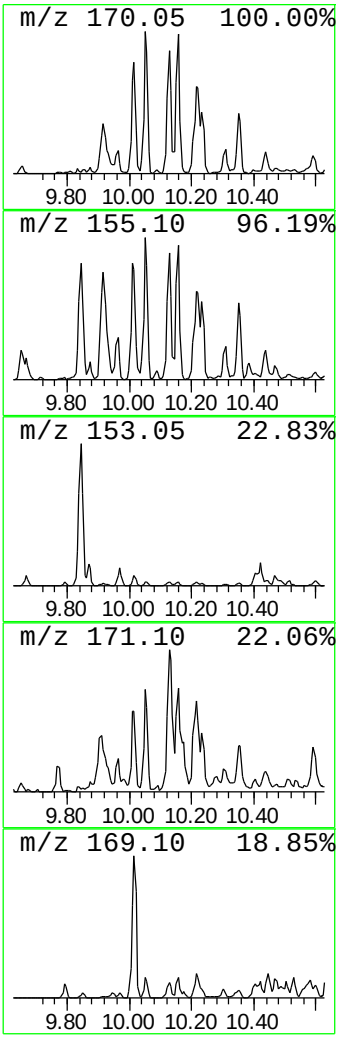
****

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	6.12 ng	668413	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

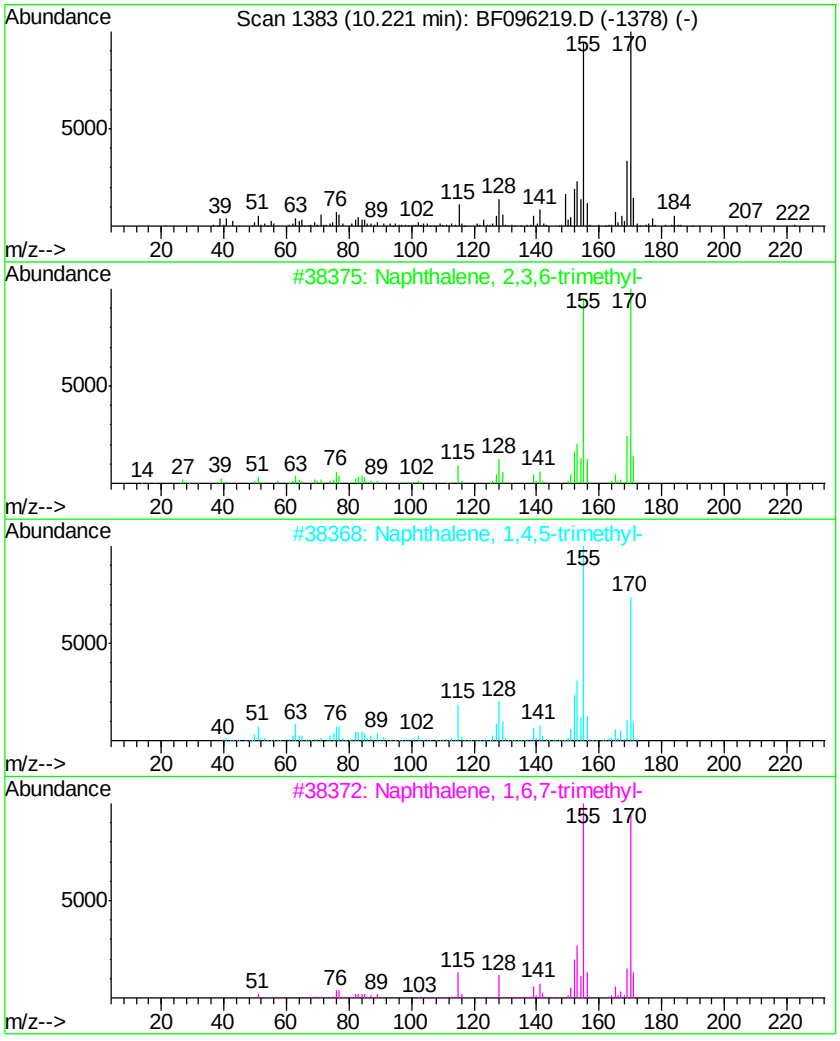
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

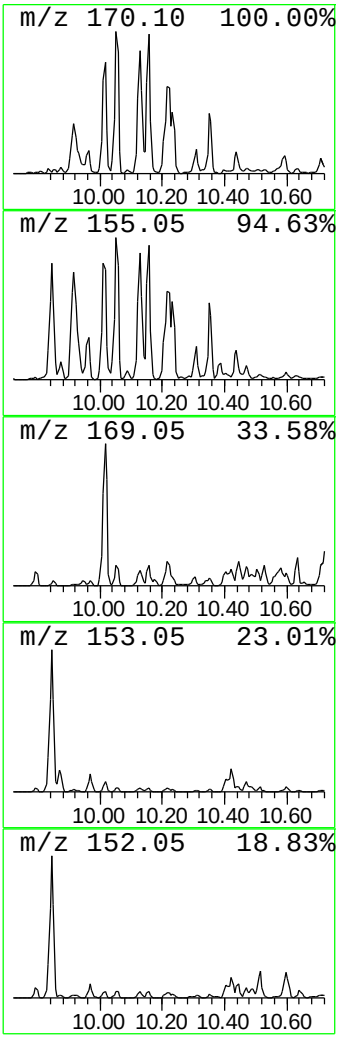
****

Peak Number 9 Naphthalene, 1,4,5-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	8.45 ng	923471	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

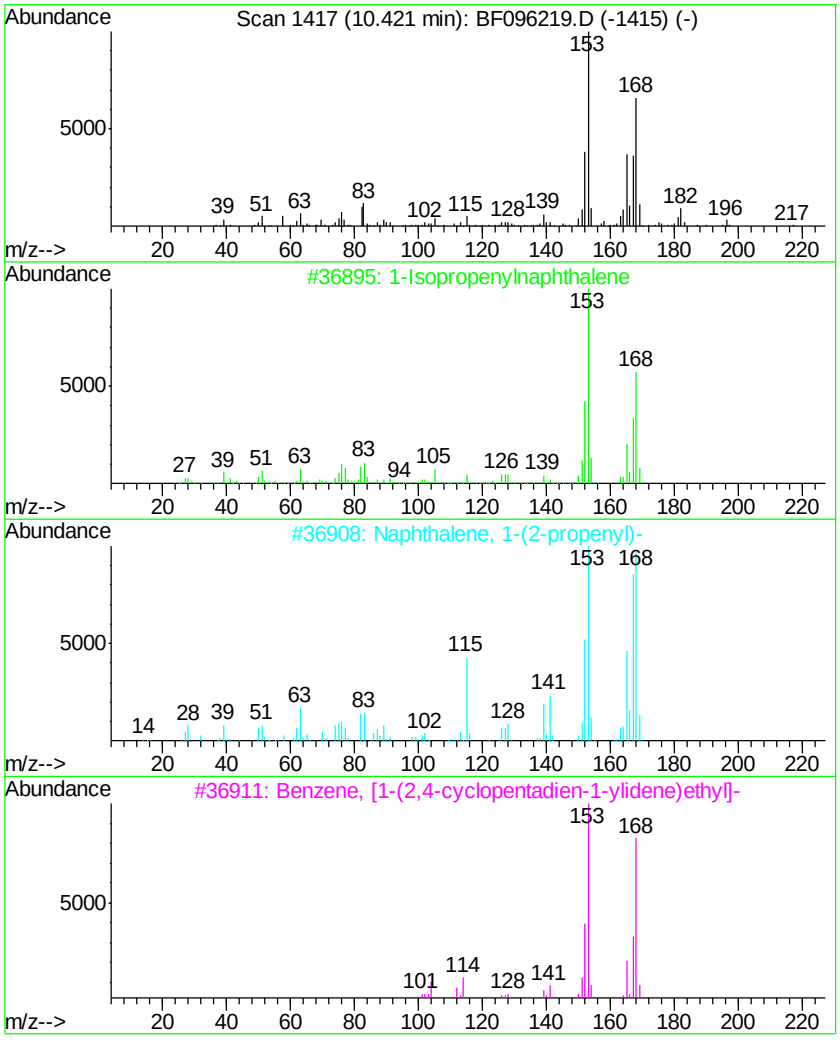
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

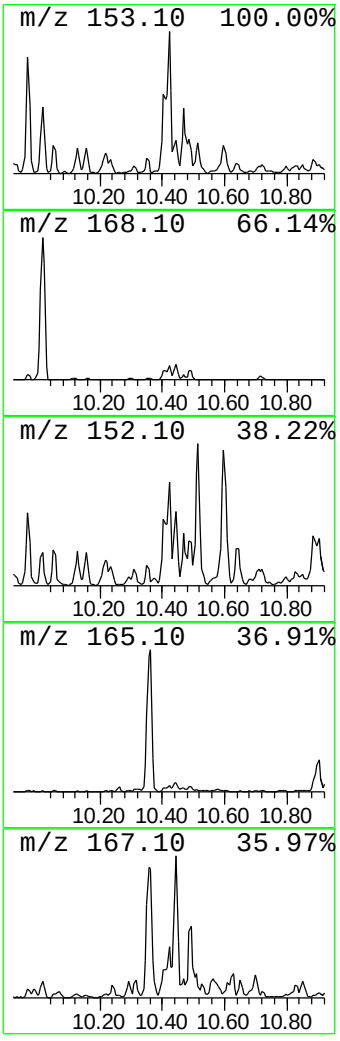
****

Peak Number 10 1-Isopropenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	6.10 ng	666199	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	43
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	43





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

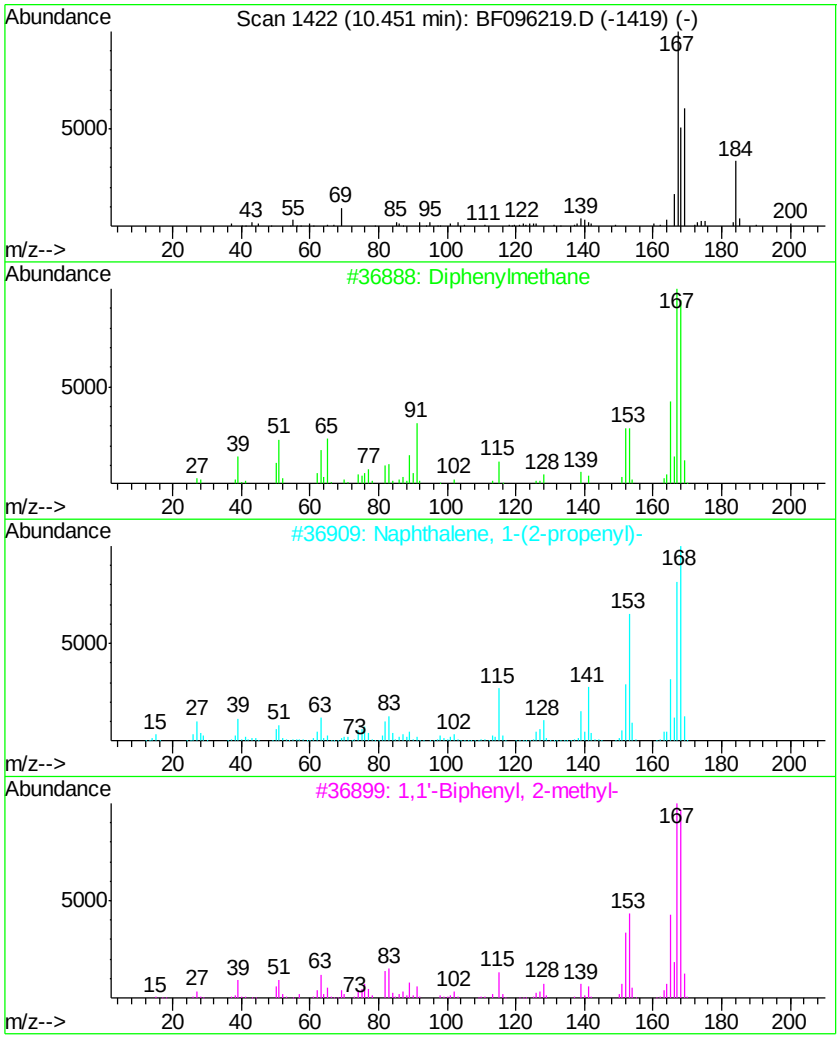
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

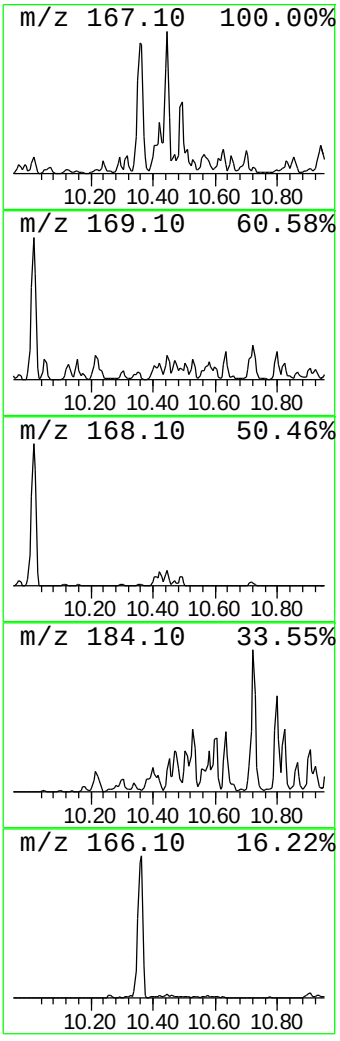
****

Peak Number 11 Diphenylmethane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	5.78 ng	631375	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	58
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	49





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

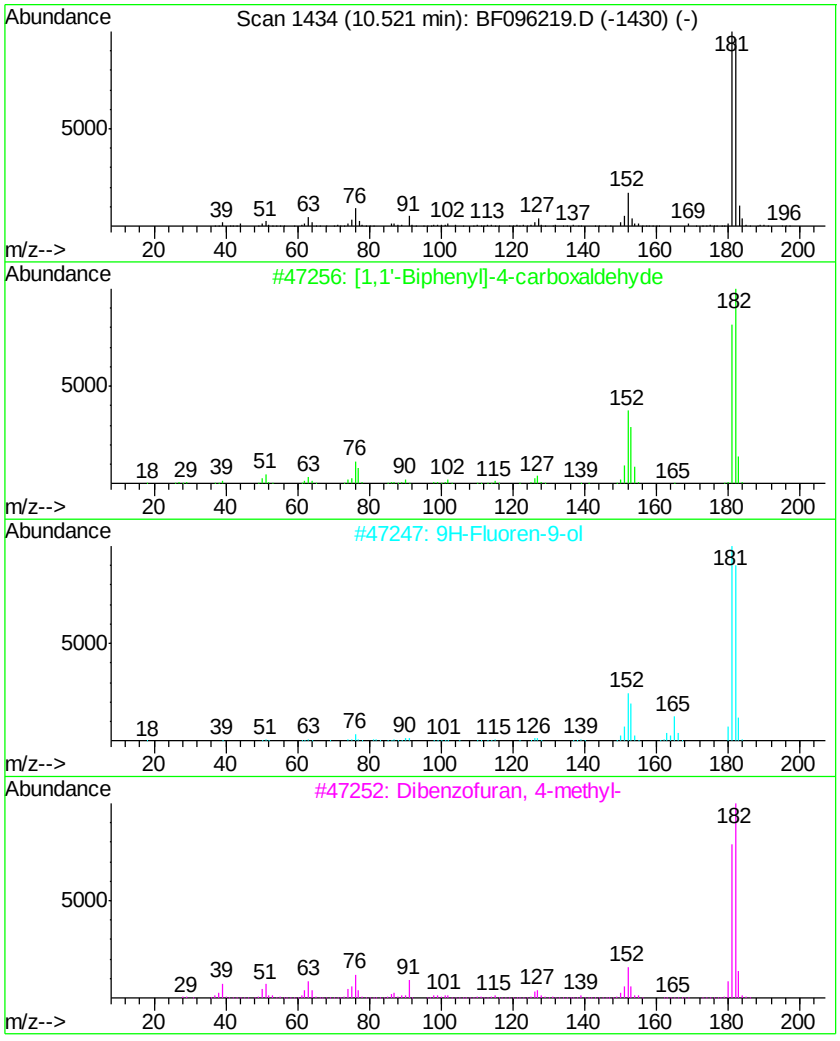
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

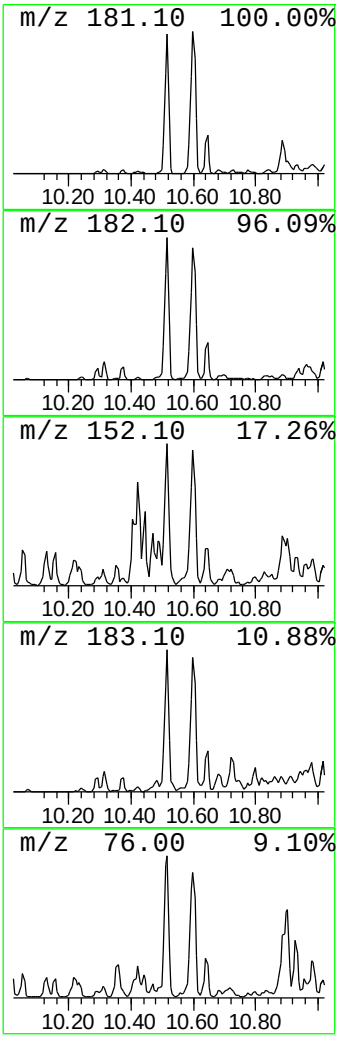
****

Peak Number 12 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	13.64 ng	1490740	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

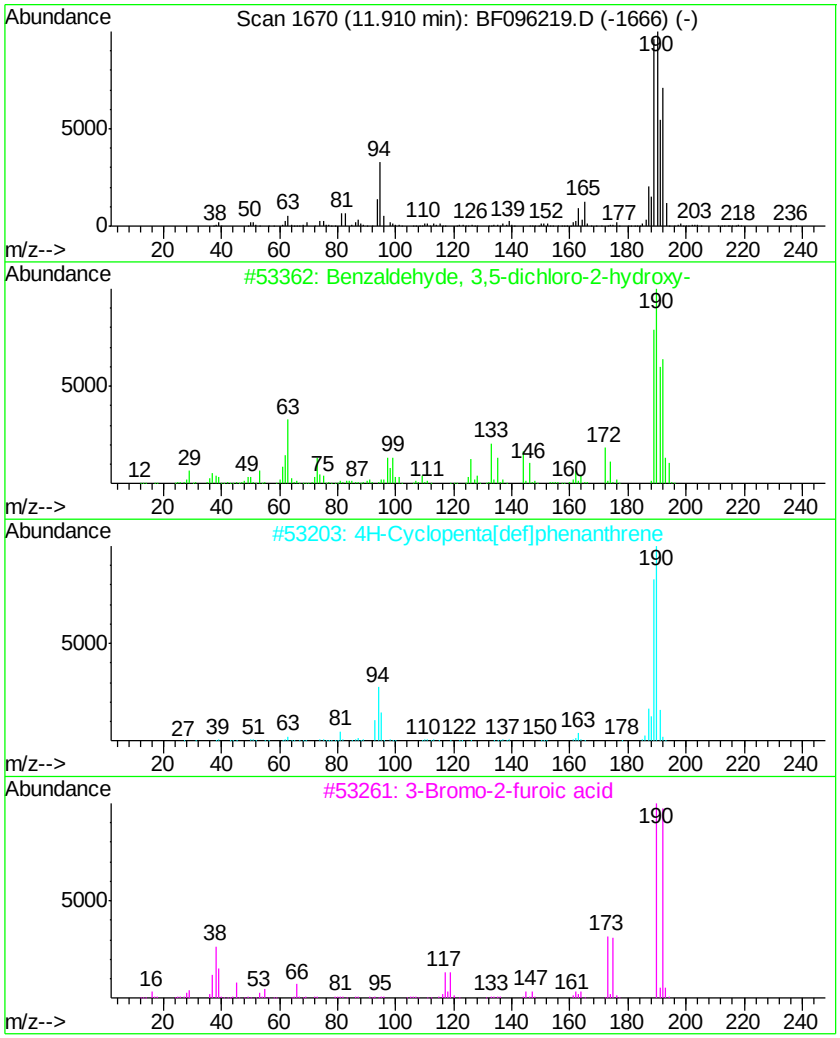
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

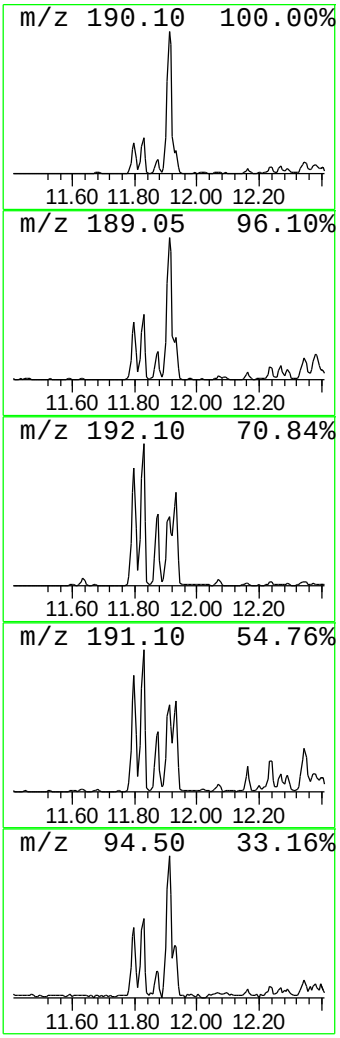
****

Peak Number 13 Benzaldehyde, 3,5-dichloro-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	5.23 ng	4447550	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	18





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

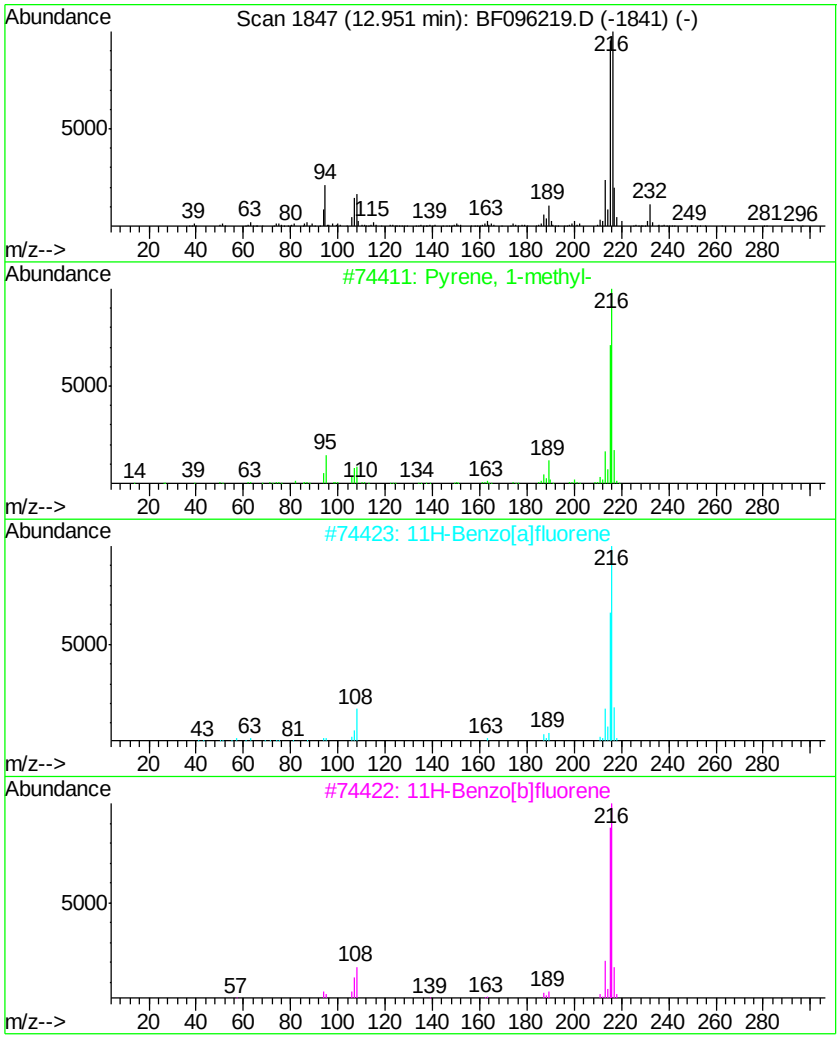
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

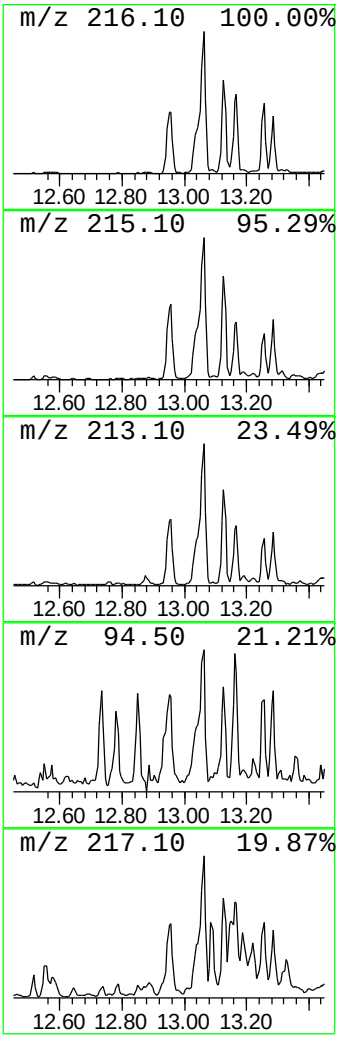
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	5.47 ng	2348630	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

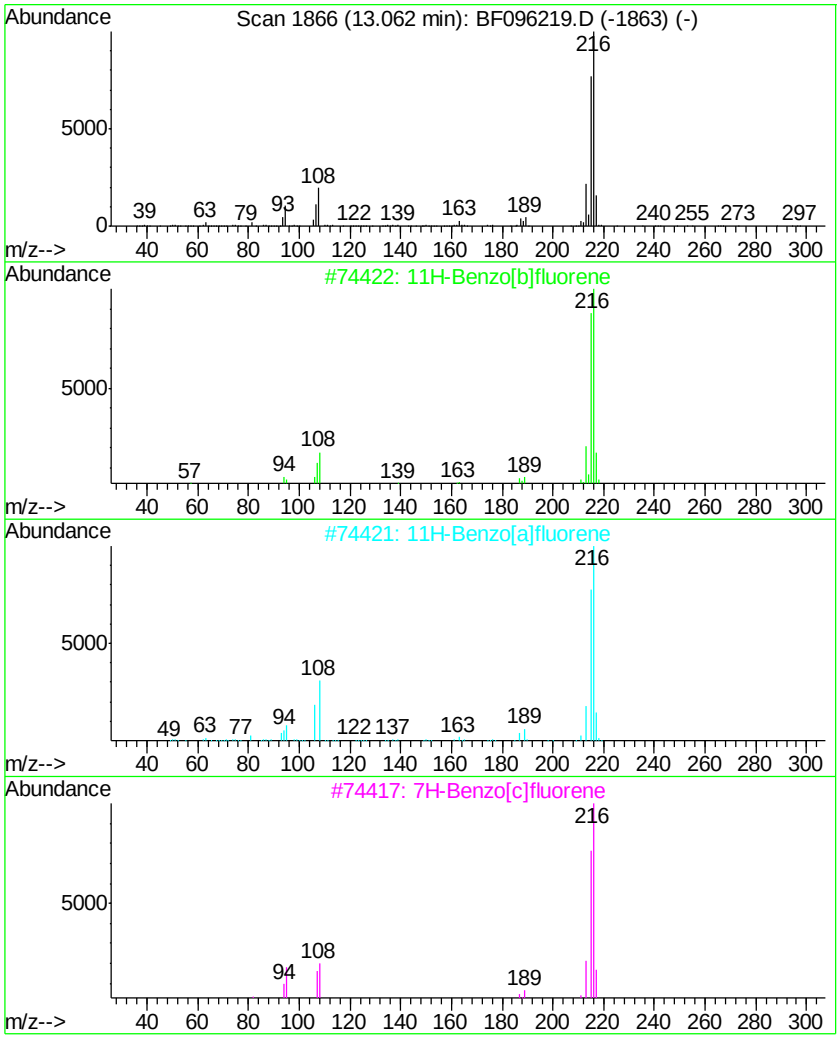
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

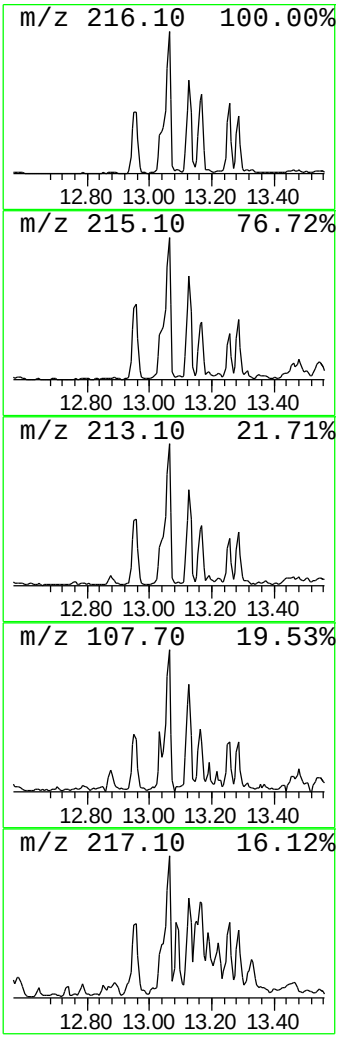
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	5.32 ng	2284830	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

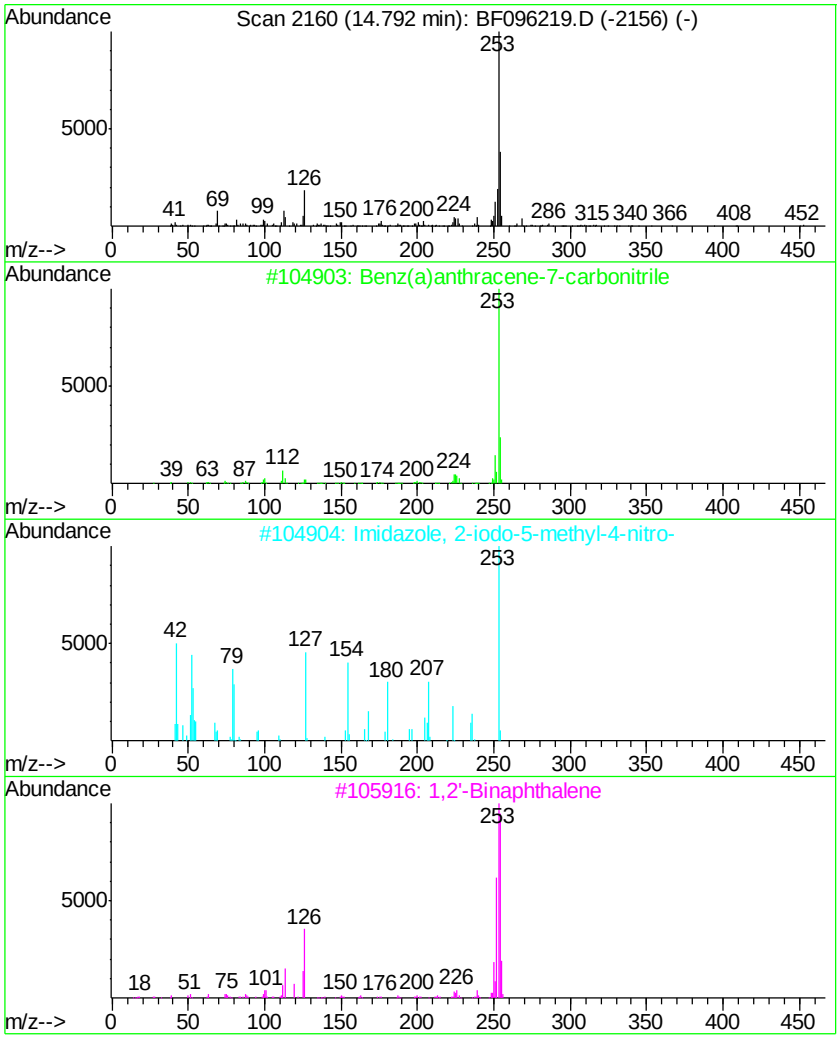
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

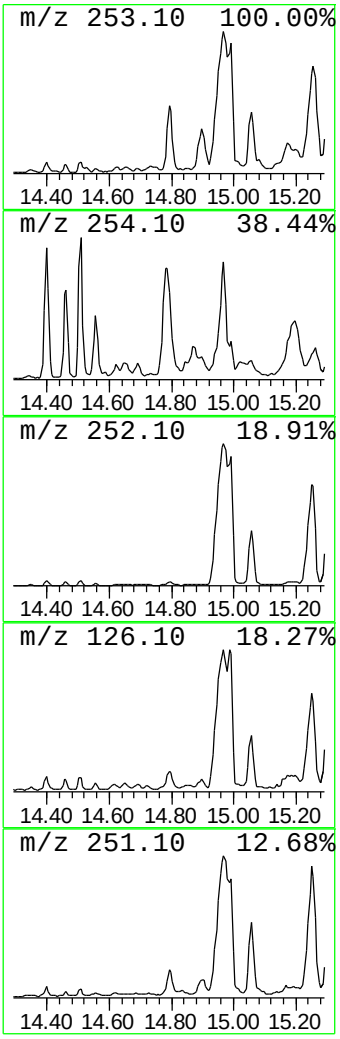
****

Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	21.65 ng	874124	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	43
4	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	38
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	37





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

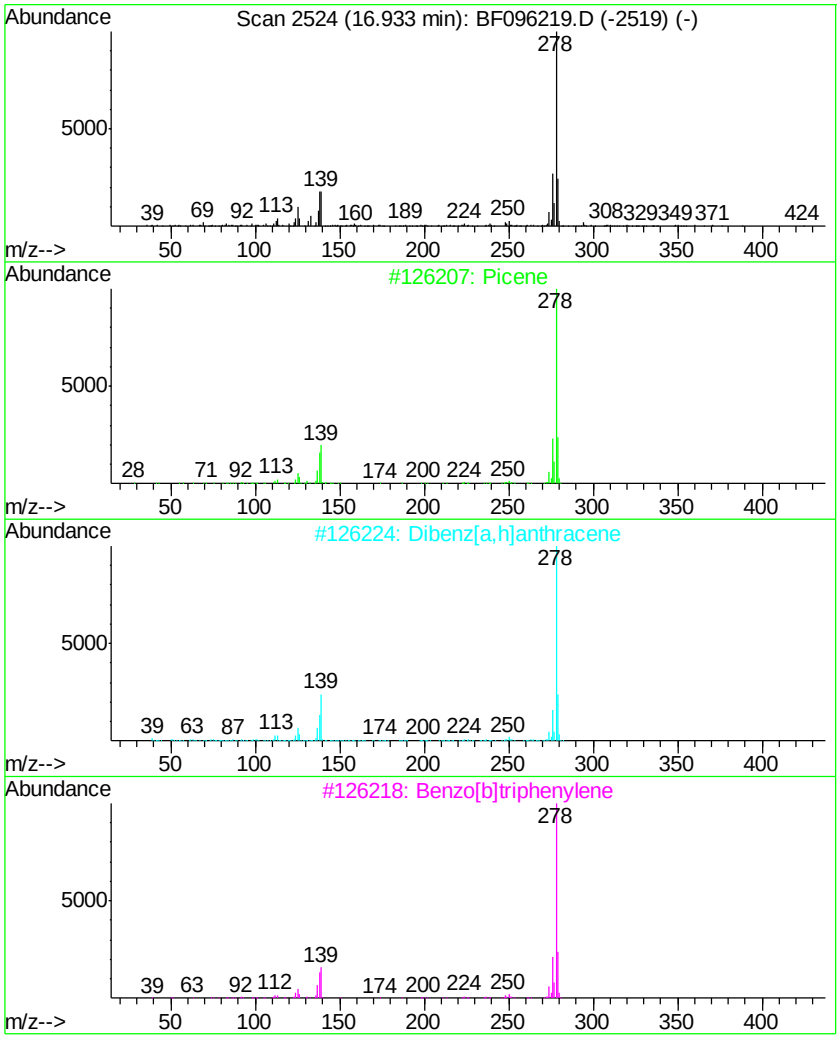
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

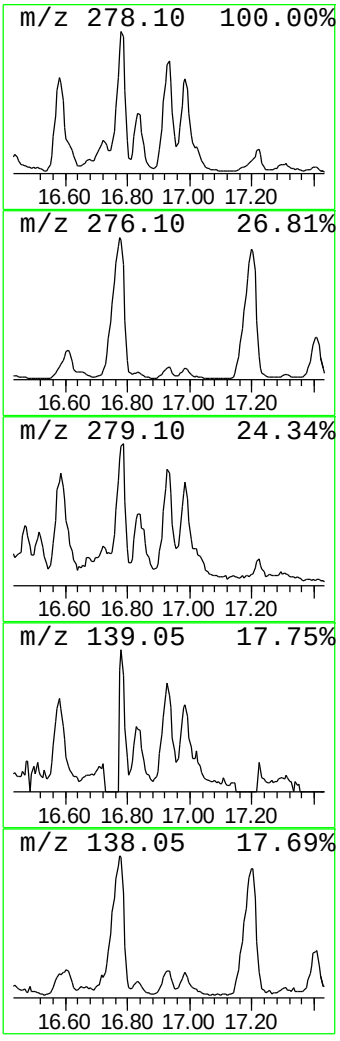
****

Peak Number 19 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	14.59 ng	589083	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
4	Pentaphene	278	C22H14	000222-93-5	91
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	86





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096219.D
Acq On : 27 Jun 2017 16:39
Operator : SJ/MA
Sample : I3920-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OB-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.97	18.4	ng	1093690	1	6.78	1189600	20.0
unknown6.55	6.55	68.9	ng	4096250	1	6.78	1189600	20.0
Naphthalene, 1-me...	8.87	21.6	ng	2085130	2	8.06	1934920	20.0
Naphthalene, 2,6-...	9.39	13.9	ng	1515970	3	9.81	2185910	20.0
Naphthalene, 1,7-...	9.47	17.2	ng	1880280	3	9.81	2185910	20.0
Naphthalene, 2,3-...	9.59	10.9	ng	1188010	3	9.81	2185910	20.0
Naphthalene, 2,3,...	10.13	6.1	ng	668413	3	9.81	2185910	20.0
Naphthalene, 1,4,...	10.22	8.4	ng	923471	3	9.81	2185910	20.0
1-Isopropenylnaph...	10.42	6.1	ng	666199	3	9.81	2185910	20.0
Diphenylmethane	10.45	5.8	ng	631375	3	9.81	2185910	20.0
[1,1'-Biphenyl]-4...	10.52	13.6	ng	1490740	3	9.81	2185910	20.0
Benzaldehyde, 3,5...	11.91	5.2	ng	4447550	4	11.30	17008700	20.0
Pyrene, 1-methyl-	12.95	5.5	ng	2348630	5	13.94	8592150	20.0
11H-Benzo[b]fluorene	13.06	5.3	ng	2284830	5	13.94	8592150	20.0
Benz(a)anthracene...	14.79	21.6	ng	874124	6	15.36	807641	20.0
Picene	16.93	14.6	ng	589083	6	15.36	807641	20.0