LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.393	558	562	566	rBV	463213	597790	3.71%	0.276%
2	5.434	566	569	576	rVB	696660	756427	4.69%	0.350%
3	5.657	600	607	616	rBV2	454619	629193	3.90%	0.291%
4	6.451	739	742	748	rVV	736233	782147	4.85%	0.361%
5	6.645	771	775	780	rBV2	1022853	1116707	6.92%	0.516%
6	6.816	800	804	807	rVV	943118	845751	5.24%	0.391%
7	6.969	826	830	832	rBV	712936	575708	3.57%	0.266%
8	7.075	844	848	854	rVB	2549482	2195905	13.62%	1.015%
9	7.845	973	979	982	rBV3	1490729	1802698	11.18%	0.833%
10	7.881	982	985	993	rVV	1158490	1636531	10.15%	0.756%
11	8.134	1018	1028	1031	rBV	10424346	16127689	100.00%	7.452%
12	8.175	1031	1035	1040	rVB	1260051	1216812	7.54%	0.562%
13	8.816	1139	1144	1147	rBV	7645563	7997281	49.59%	3.695%
14	8.916	1155	1161	1164	rBV	6721275	6416697	39.79%	2.965%
15	9.169	1199	1204	1208	rBV	1239926	1086514	6.74%	0.502%
16	9.275	1216	1222	1228	rVB	2106733	1982851	12.29%	0.916%
17	9.369	1236	1238	1244	rVB	1309461	1476776	9.16%	0.682%
18	9.439	1244	1250	1253	rBV	2372008	3086491	19.14%	1.426%
19	9.475	1253	1256	1258	rVV	626678	551701	3.42%	0.255%
20	9.516	1258	1263	1265	rVV	3415302	3661429	22.70%	1.692%
21	9.539	1265	1267	1271	rVV2	2522355	2268680	14.07%	1.048%
22	9.628	1279	1282	1291	rVB	1751145	2066735	12.81%	0.955%
23	9.710	1291	1296	1301	rBV	2865013	2752209	17.07%	1.272%
24	9.833	1314	1317	1318	rBV	1157127	937040	5.81%	0.433%
25	9.851	1318	1320	1323	rVV	1818254	1497005	9.28%	0.692%
26	9.886	1323	1326	1329	rVV	3709238	3228178	20.02%	1.492%
27	9.963	1334	1339	1342	rVV2	762523	1004704	6.23%	0.464%
28	10.057	1348	1355	1358	rVV	2766120	3098435	19.21%	1.432%
29	10.092	1358	1361	1364	rVV	1004794	932276	5.78%	0.431%
30	10.169	1370	1374	1377	rVV2	973889	1160245	7.19%	0.536%
31	10.198	1377	1379	1382	rVV	776038	640323	3.97%	0.296%
32	10.251	1385	1388	1391	rVV3	726940	1025752	6.36%	0.474%
33	10.304	1395	1397	1400	rVV	689608	583115	3.62%	0.269%
34	10.351	1400	1405	1407	rVV3	576934	774786	4.80%	0.358%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.404	1410	1414	1419	rVV	5240123	5438068	33.72%	2.513%
36	10.463	1419	1424	1426	rVV2	557124	836599	5.19%	0.387%
37	10.510	1430	1432	1436	rVV	844671	936269	5.81%	0.433%
38	10.557	1436	1440	1443	rVV	957542	1253378	7.77%	0.579%
39	10.622	1448	1451	1452	rVV	1262239	1106565	6.86%	0.511%
40	10.639	1452	1454	1458	rVV	1451204	1445480	8.96%	0.668%
41	10.763	1471	1475	1480	rVB4	602920	736985	4.57%	0.341%
42	10.945	1501	1506	1509	rBV	1357517	1715862	10.64%	0.793%
43	10.975	1509	1511	1514	rVV	1007960	835753	5.18%	0.386%
44	11.028	1517	1520	1524	rVV2	779528	839621	5.21%	0.388%
45	11.186	1544	1547	1552	rVV4	435499	724788	4.49%	0.335%
46	11.233	1552	1555	1561	rVB	3425967	3207858	19.89%	1.482%
47	11.380	1569	1580	1582	rBV2	9837923	15378844	95.36%	7.106%
48	11.422	1582	1587	1589	rVV	4299335	3891342	24.13%	1.798%
49	11.445	1589	1591	1594	rVV2	607828	645140	4.00%	0.298%
50	11.569	1609	1612	1615	rBV	1343939	1197020	7.42%	0.553%
51	11.633	1620	1623	1626	rVV	1067030	1055332	6.54%	0.488%
52	11.669	1626	1629	1633	rVV	1868104	1863760	11.56%	0.861%
53	11.751	1640	1643	1647	rVB	1370965	1510817	9.37%	0.698%
54	11.845	1654	1659	1661	rVV	3114090	3527538	21.87%	1.630%
55	11.869	1661	1663	1668	rVB	3720349	3451321	21.40%	1.595%
56	11.916	1668	1671	1674	rBV	1192148	1231665	7.64%	0.569%
57	11.957	1674	1678	1680	rVV2	4171603	5011889	31.08%	2.316%
58	11.974	1680	1681	1686	rVB	2331323	1708871	10.60%	0.790%
59	12.133	1705	1708	1711	rVV	2040558	2060820	12.78%	0.952%
60	12.169	1711	1714	1719	rVB2	685885	921898	5.72%	0.426%
61	12.239	1719	1726	1728	rBV3	435982	844102	5.23%	0.390%
62	12.263	1728	1730	1732	rVV	639797	681190	4.22%	0.315%
63	12.280	1732	1733	1736	rVV	642615	619355	3.84%	0.286%
64	12.316	1736	1739	1741	rVV	1041463	1106391	6.86%	0.511%
65	12.339	1741	1743	1746	rVB2	718366	605212	3.75%	0.280%
66	12.392	1746	1752	1755	rBV	2212628	2785562	17.27%	1.287%
67	12.427	1755	1758	1760	rVV3	1548934	1851394	11.48%	0.855%
68	12.486	1764	1768	1771	rVV2	737237	1241873	7.70%	0.574%
69	12.563	1776	1781	1784	rVV	7160135	8214717	50.94%	3.796%
70	12.645	1792	1795	1799	rVV	1641945	1680437	10.42%	0.776%
71	12.704	1802	1805	1809	rVV3	1021961	1314628	8.15%	0.607%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.792	1813	1820	1824	rBV2	7287445	9900885	61.39%	4.575%
73	12.839	1824	1828	1831	rVB3	711135	902899	5.60%	0.417%
74	12.898	1835	1838	1839	rVV2	645642	623729	3.87%	0.288%
75	12.916	1839	1841	1843	rVV	1443673	1247037	7.73%	0.576%
76	12.998	1850	1855	1858	rBV3	1045249	1555849	9.65%	0.719%
77	13.086	1866	1870	1871	rVV3	979706	1165111	7.22%	0.538%
78	13.110	1871	1874	1877	rVB	2357012	2326529	14.43%	1.075%
79	13.174	1882	1885	1888	rVV	2158362	1969074	12.21%	0.910%
80	13.216	1888	1892	1895	rVV2	1282286	1488136	9.23%	0.688%
81	13.304	1904	1907	1910	rVV	1130006	1081193	6.70%	0.500%
82	13.333	1910	1912	1916	rVB	1182801	1174323	7.28%	0.543%
83	13.592	1952	1956	1959	rBV	409706	648941	4.02%	0.300%
84	13.727	1975	1979	1981	rBV	1131771	1161801	7.20%	0.537%
85	13.751	1981	1983	1985	rVB	839373	635751	3.94%	0.294%
86	13.974	2016	2021	2024	rVV2	4356715	6236733	38.67%	2.882%
87	14.004	2024	2026	2033	rVB	3514503	3587697	22.25%	1.658%
88	14.198	2056	2059	2063	rBV3	425034	620368	3.85%	0.287%
89	14.363	2084	2087	2090	rVV	1227925	1338008	8.30%	0.618%
90	14.398	2090	2093	2095	rVB	593551	570296	3.54%	0.264%
91	14.486	2106	2108	2110	rBV	640407	642195	3.98%	0.297%
92	14.510	2110	2112	2115	rVB	858271	699738	4.34%	0.323%
93	15.015	2192	2198	2204	rBV	2277252	4876748	30.24%	2.253%
94	15.115	2211	2215	2219	rVB	800550	921230	5.71%	0.426%
95	15.310	2243	2248	2253	rVB	1562643	2223396	13.79%	1.027%
96	15.374	2253	2259	2263	rBV	2515722	3466317	21.49%	1.602%
97	15.427	2264	2268	2271	rVV	961360	1408654	8.73%	0.651%
98	15.457	2271	2273	2280	rVB2	731197	991784	6.15%	0.458%
99	16.868	2507	2513	2520	rBV2	859841	1722277	10.68%	0.796%
100	17.309	2582	2588	2595	rVB	608306	1249105	7.75%	0.577%

Sum of corrected areas: 216426729

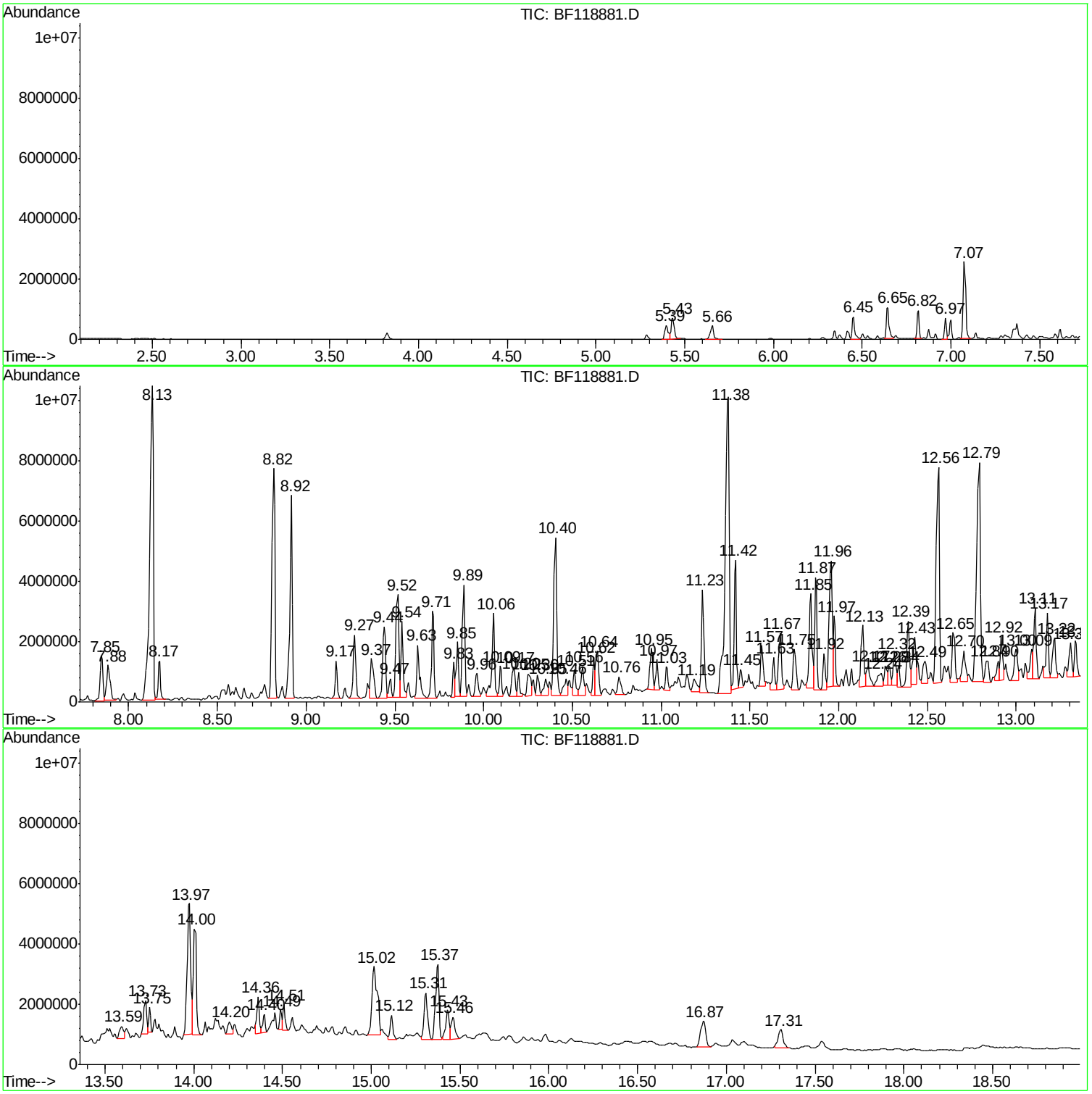
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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 : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

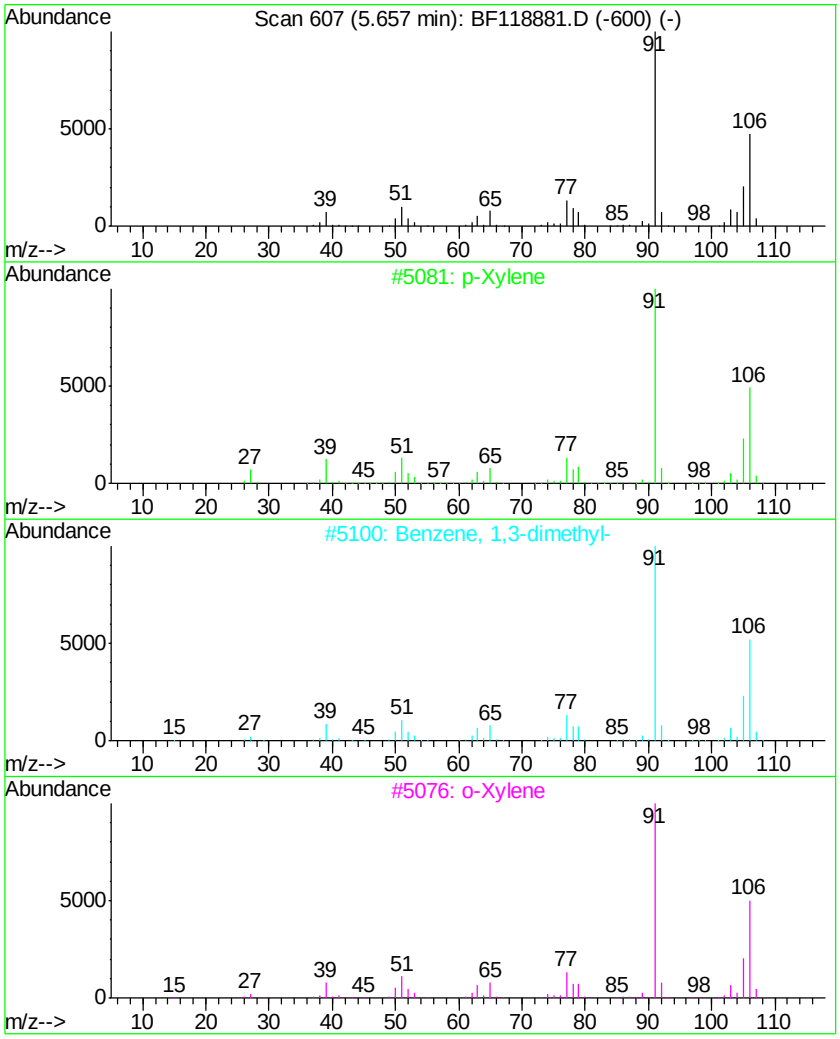
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

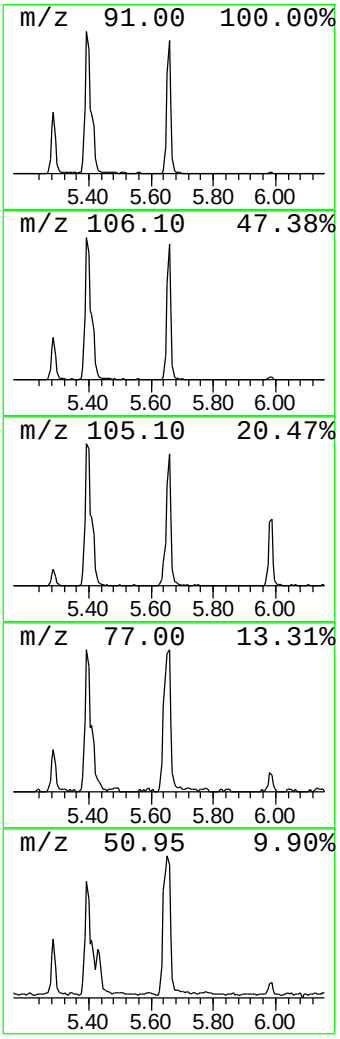
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	14.88 ng	629193	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	95
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	o-Xylene	106	C8H10	000095-47-6	95
4	Ethylbenzene	106	C8H10	000100-41-4	83
5	Benzeneethanol, .alpha.,.beta.-d...	150	C10H14O	052089-32-4	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

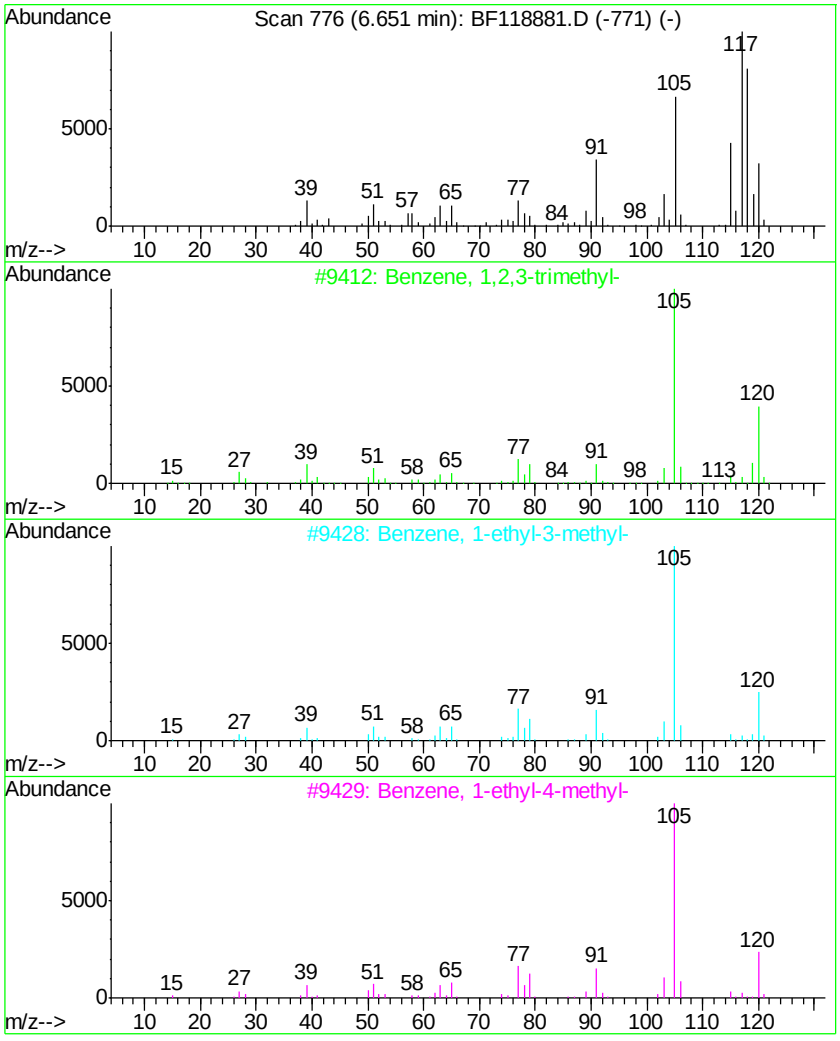
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

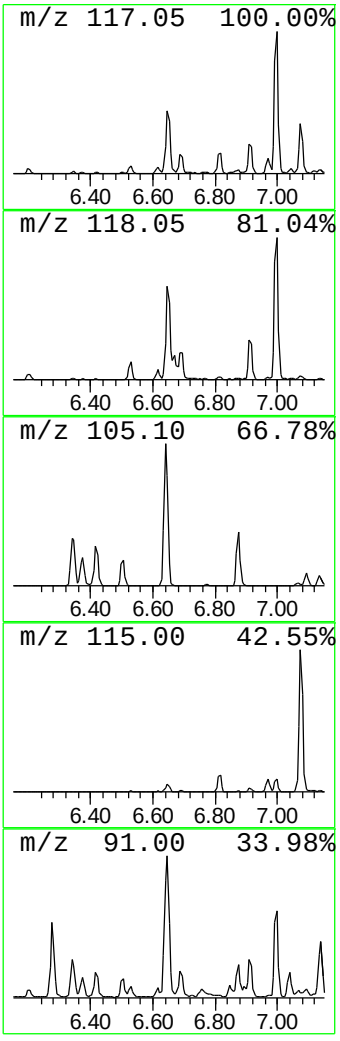
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	26.41 ng	1116710	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	60
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	55
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	55
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

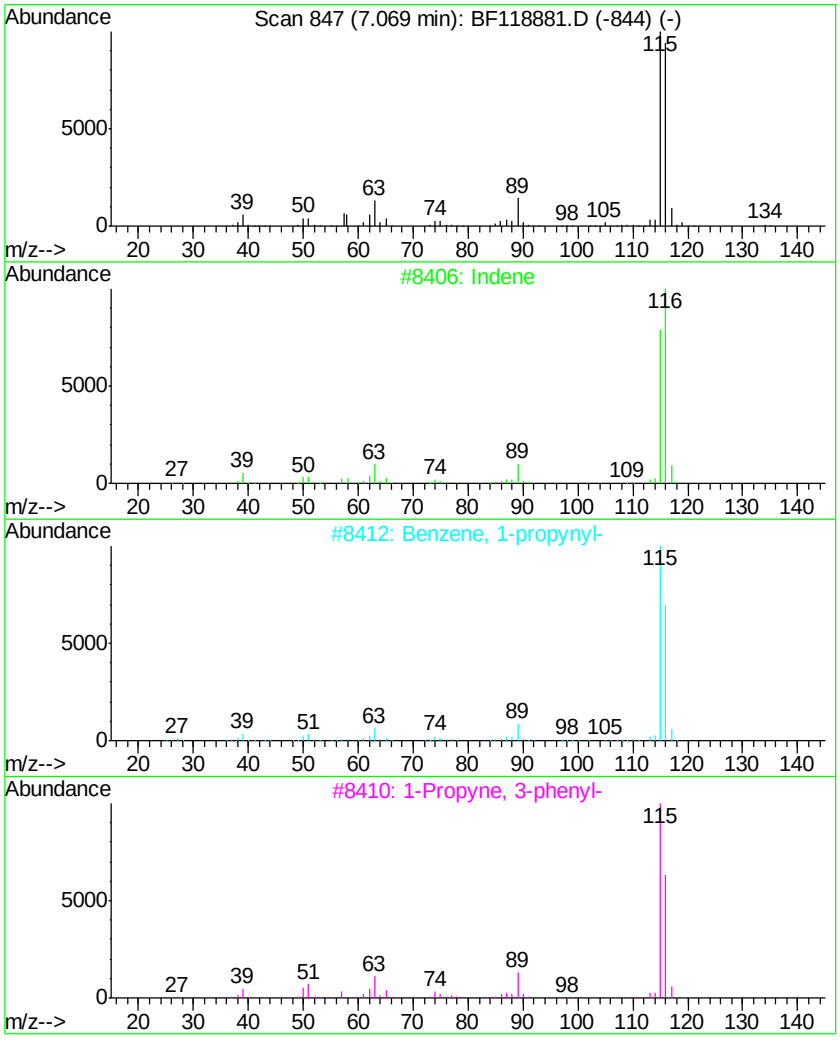
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

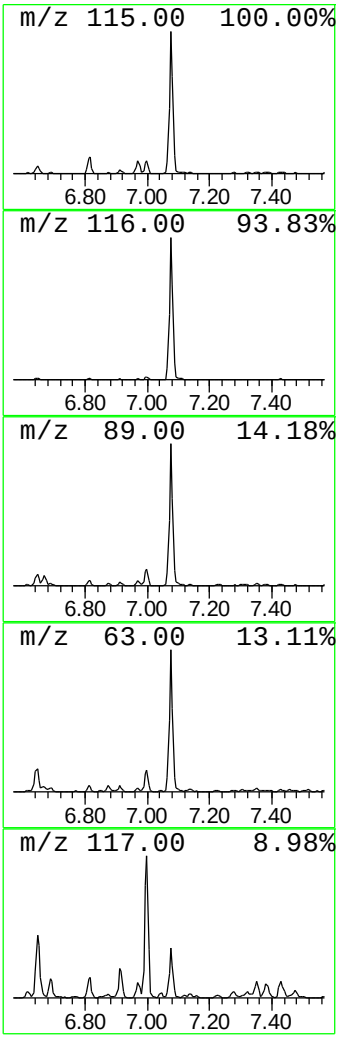
****

Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	51.93 ng	2195910	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

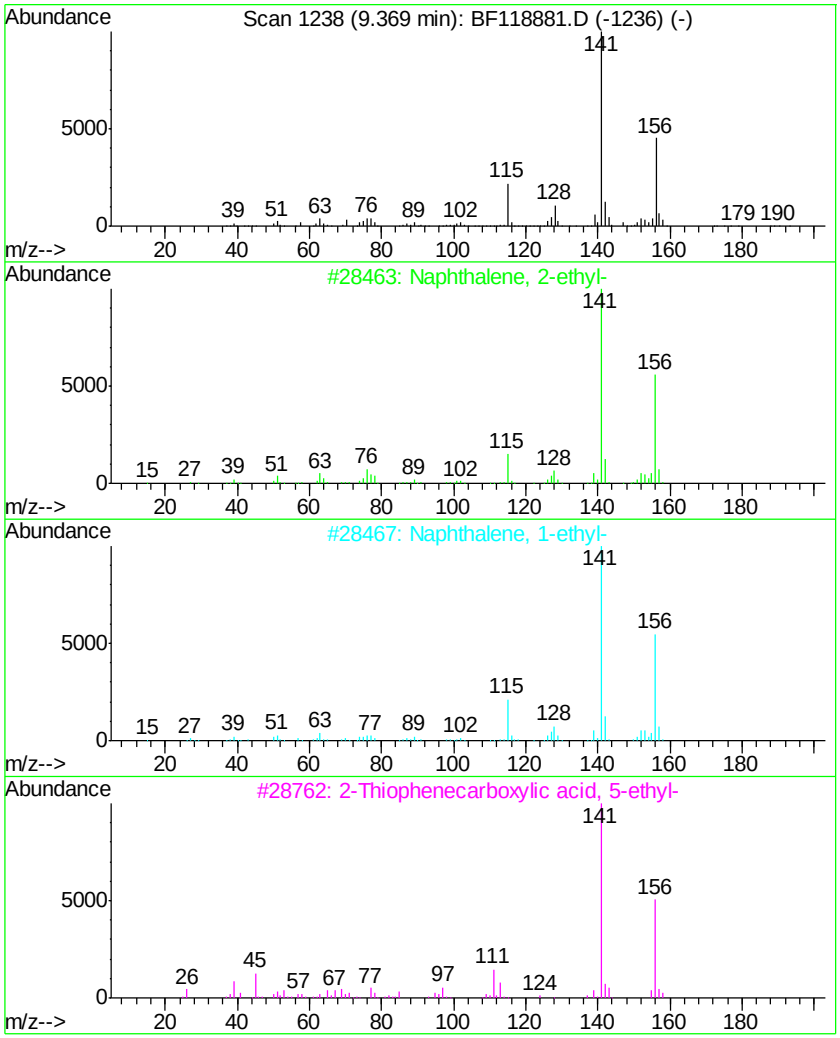
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

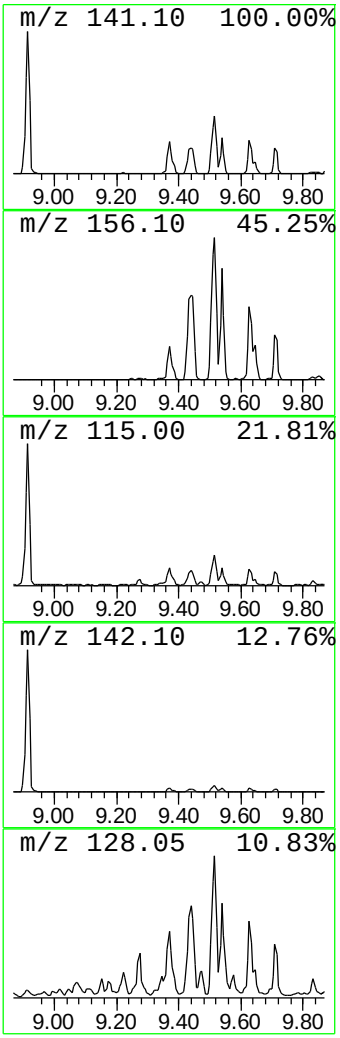
****

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	19.73 ng	1476780	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
4	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
5	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

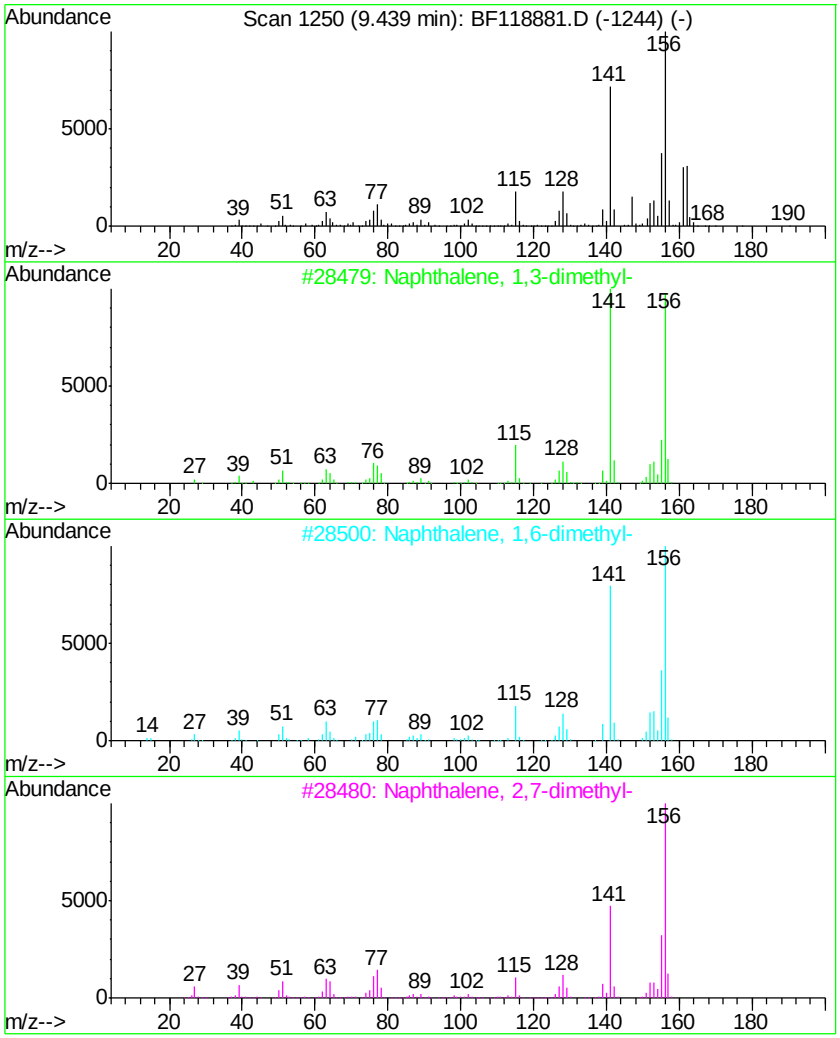
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

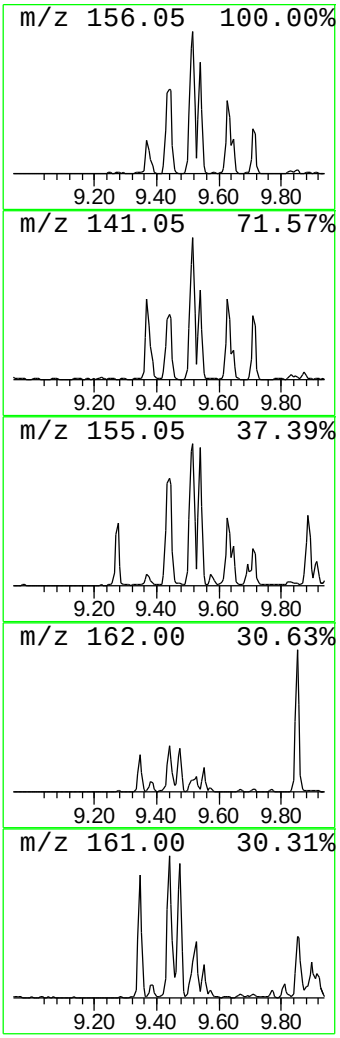
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	41.24 ng	3086490	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

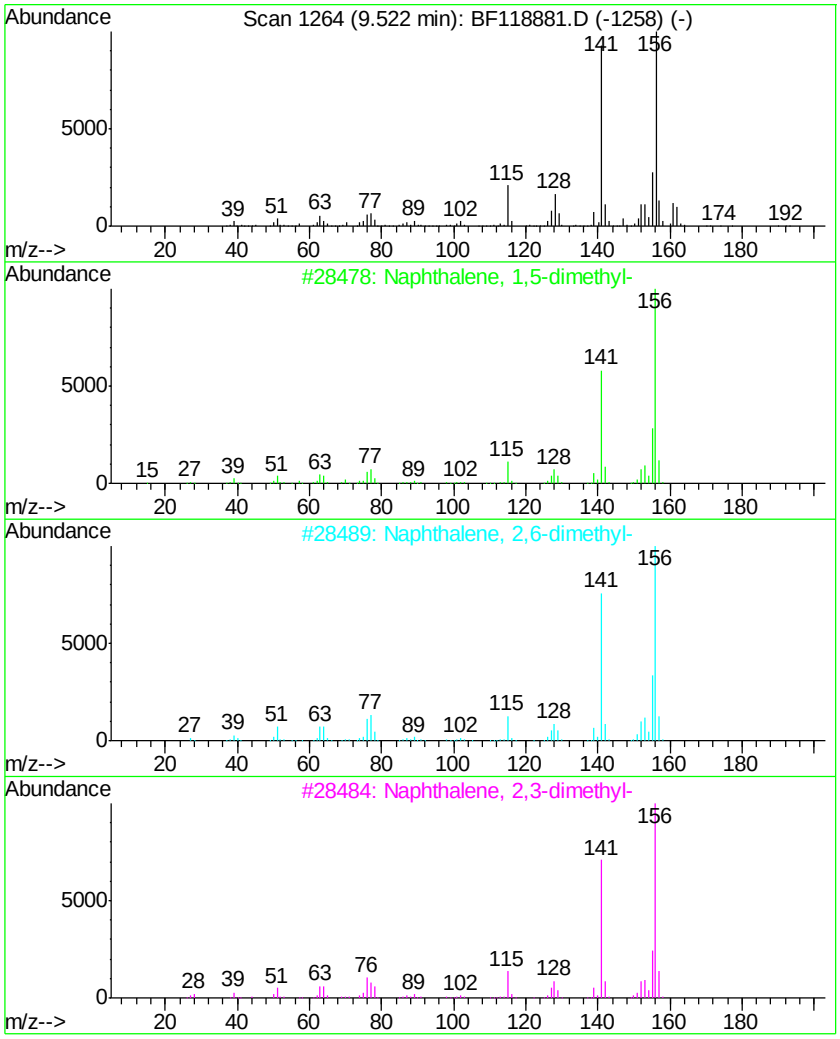
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

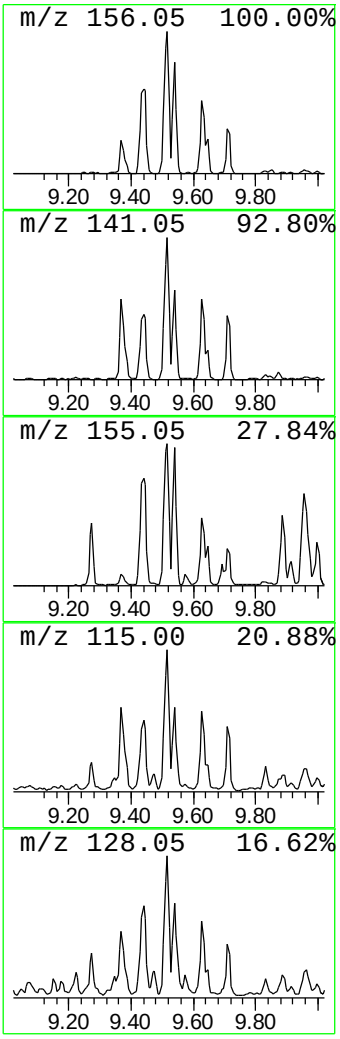
****

Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	48.92 ng	3661430	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

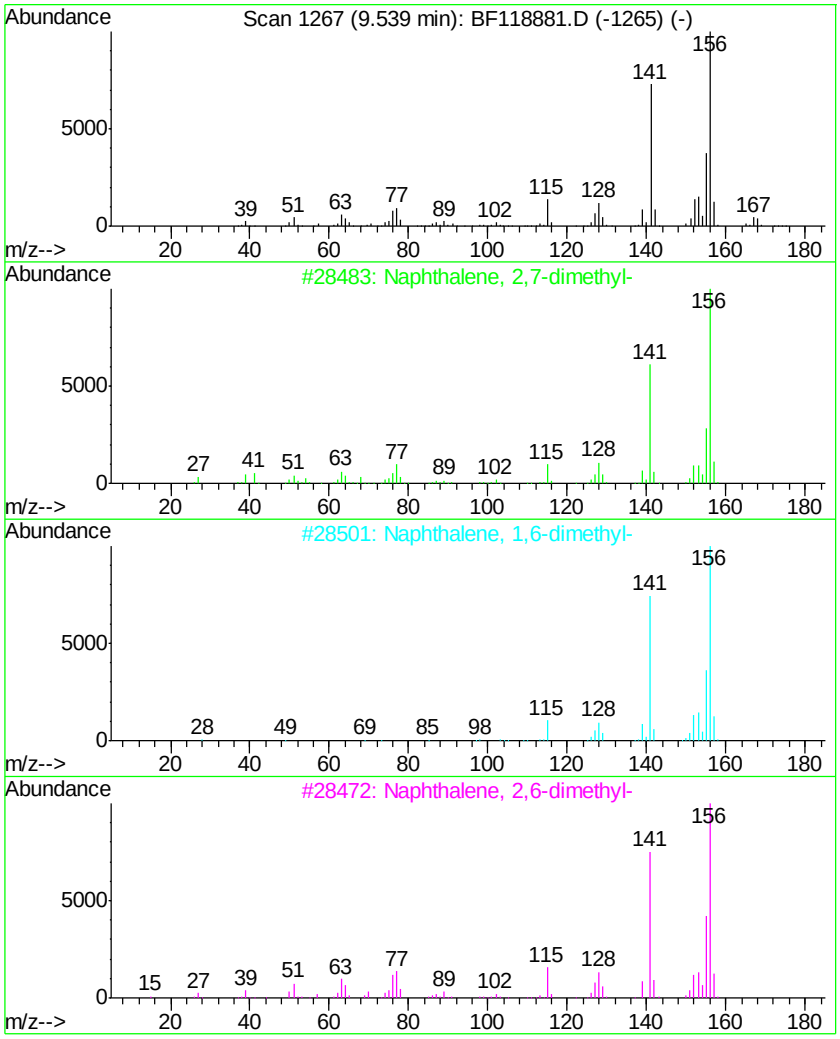
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

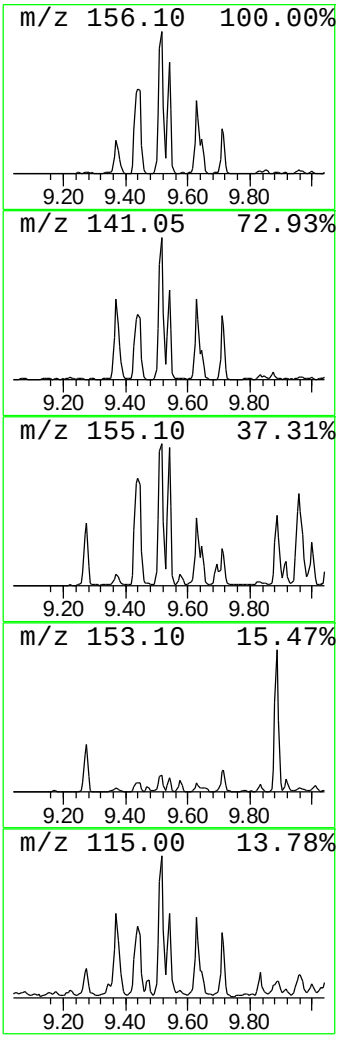
****

Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	30.31 ng	2268680	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

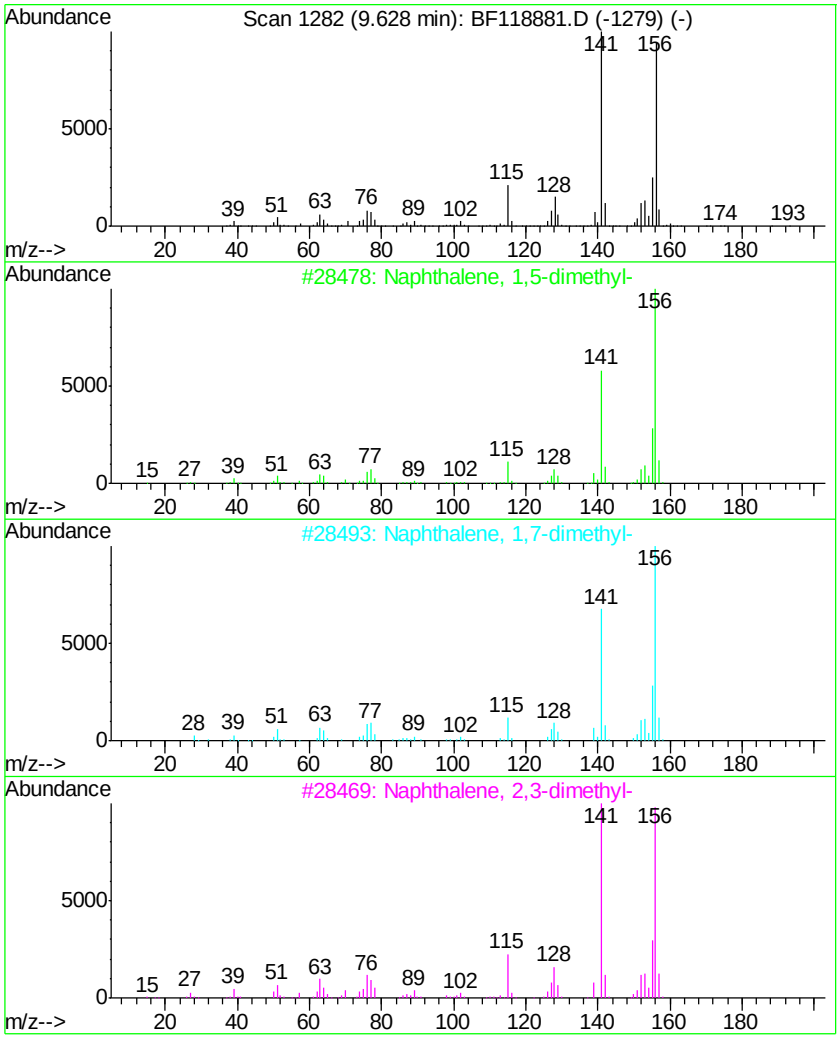
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

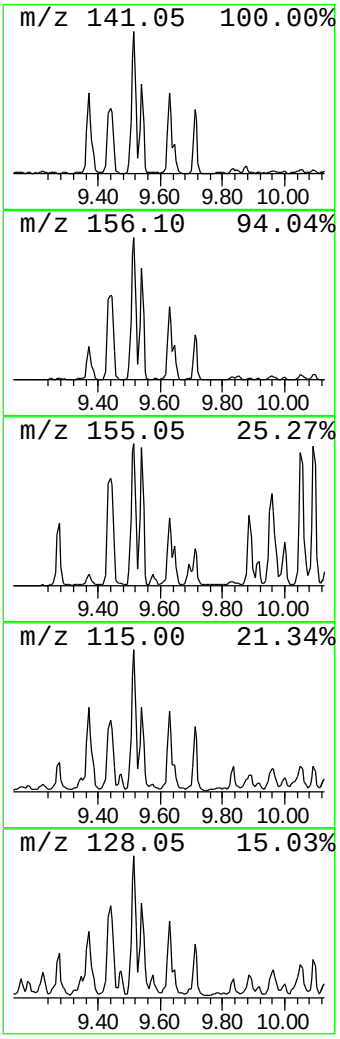
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	27.61 ng	2066740	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

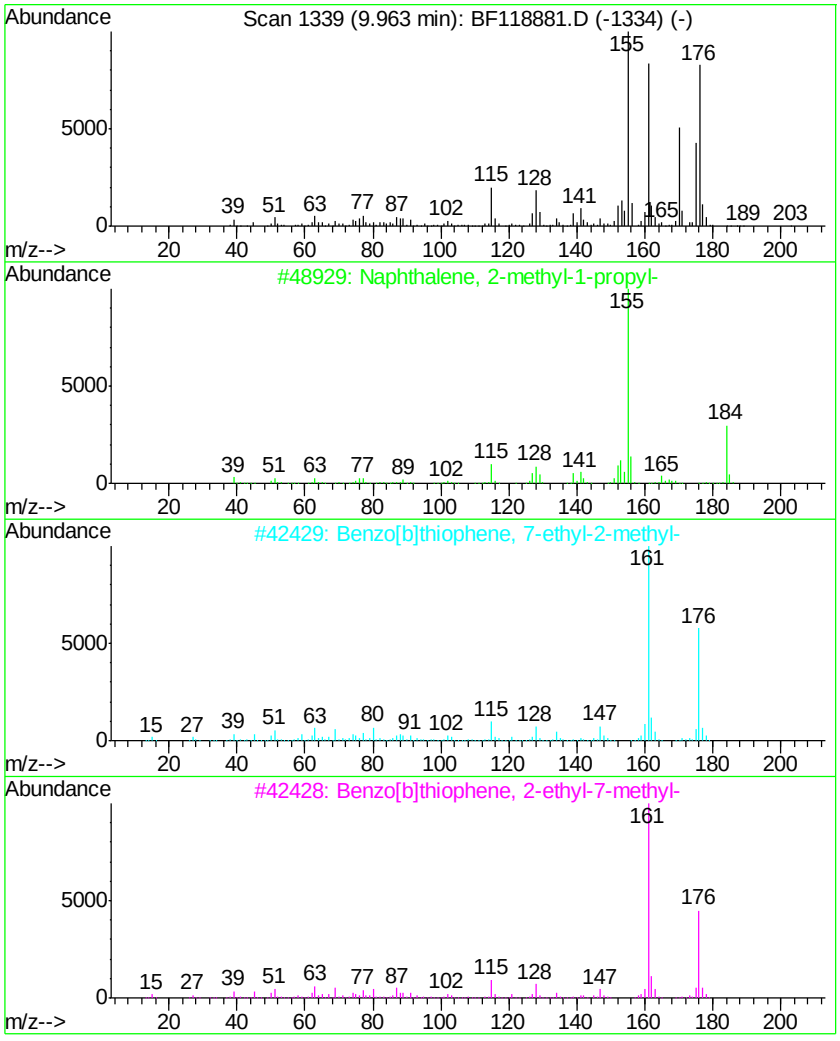
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

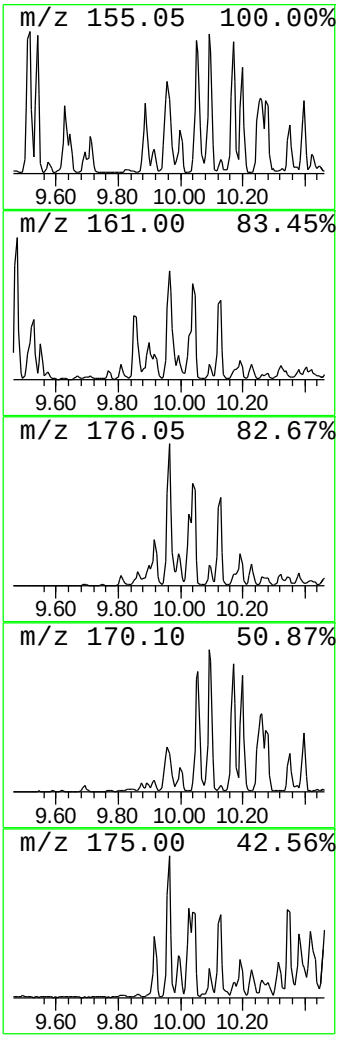
****

Peak Number 10 Naphthalene, 2-methyl-1-pro... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	13.42 ng	1004700	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-1-propyl-	184	C14H16	054774-89-9	60
2	Benzo[b]thiophene, 7-ethyl-2-met...	176	C11H12S	016587-44-3	50
3	Benzo[b]thiophene, 2-ethyl-7-met...	176	C11H12S	016587-43-2	43
4	Benzo[b]thiophene, 2-ethyl-5-met...	176	C11H12S	016587-51-2	43
5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

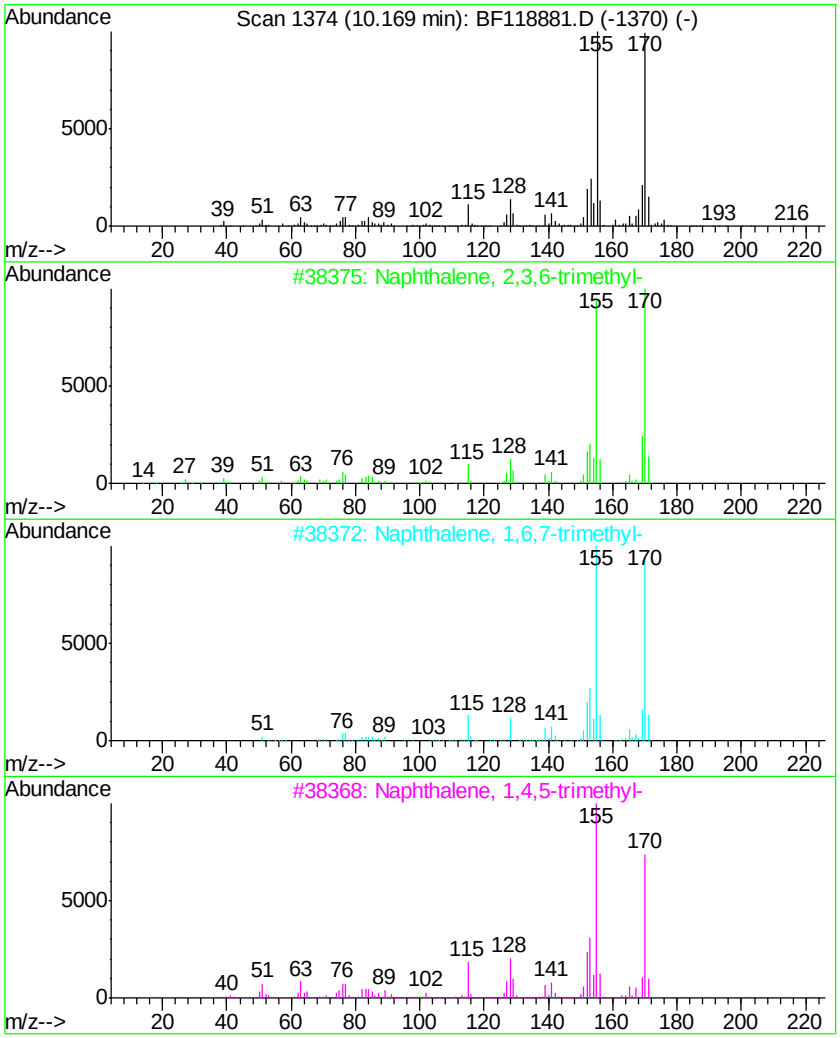
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

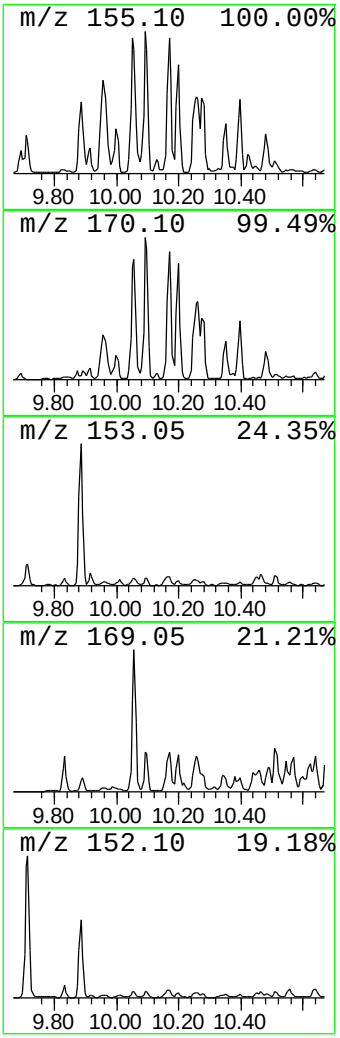
****

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	15.50 ng	1160250	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

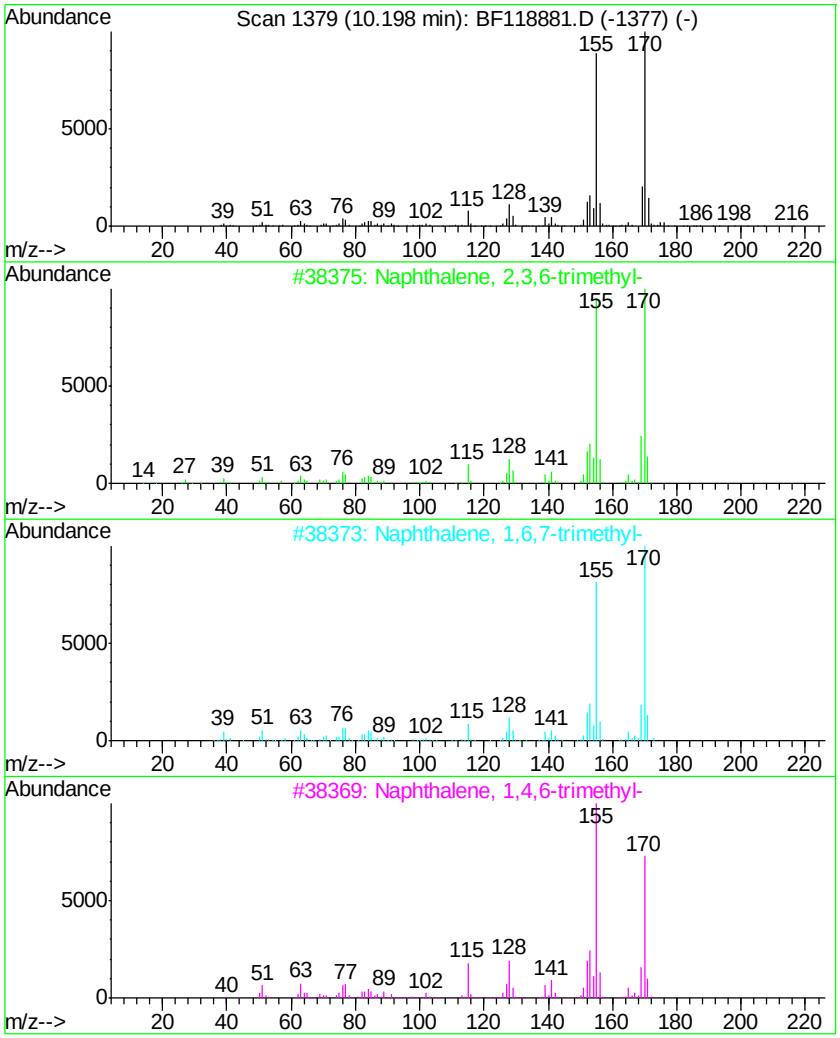
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

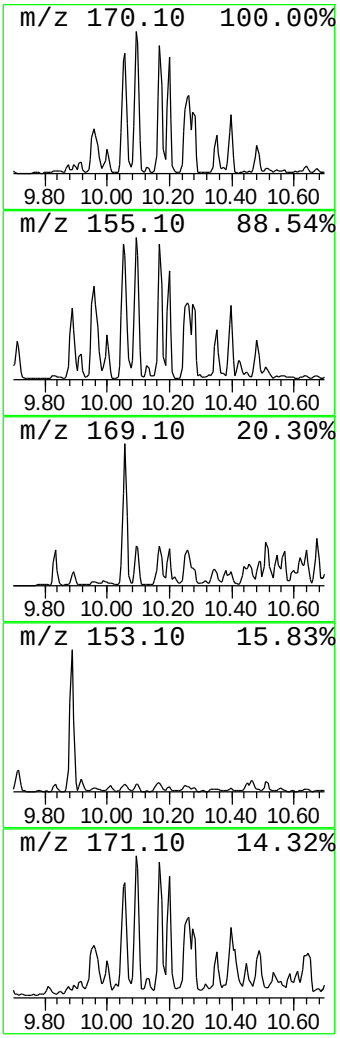
****

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	8.55 ng	640323	Acenaphthene-d10	9.85

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	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	86
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

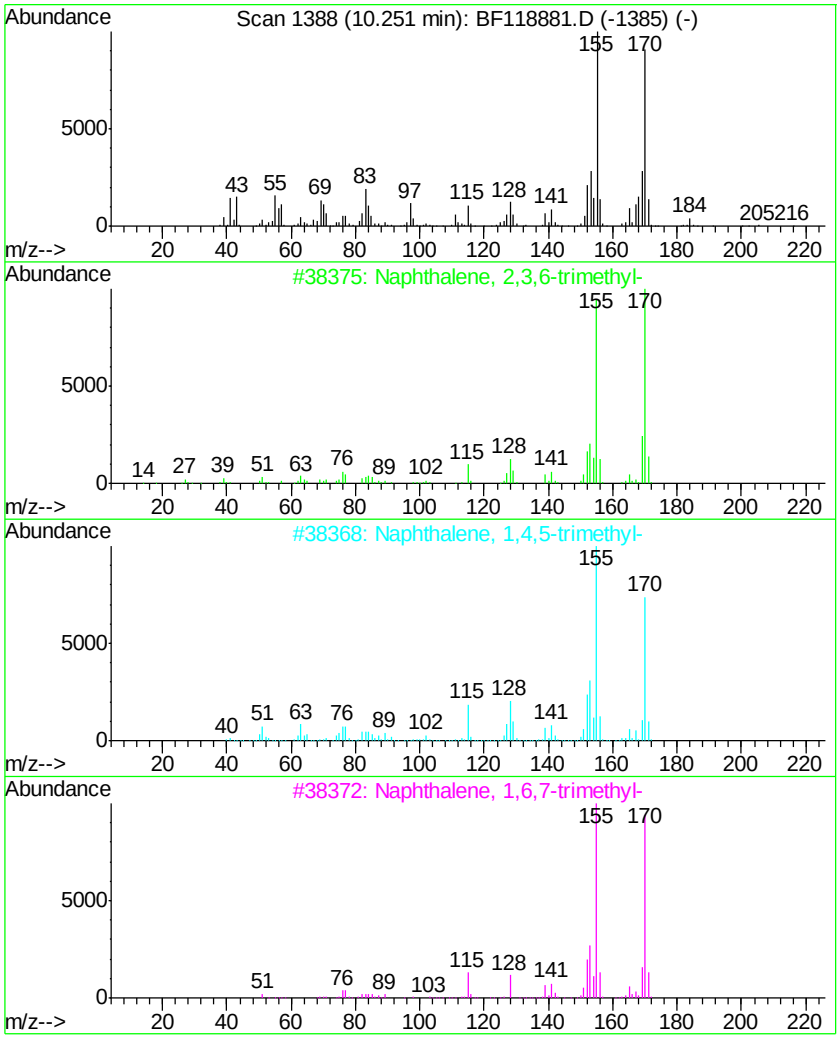
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

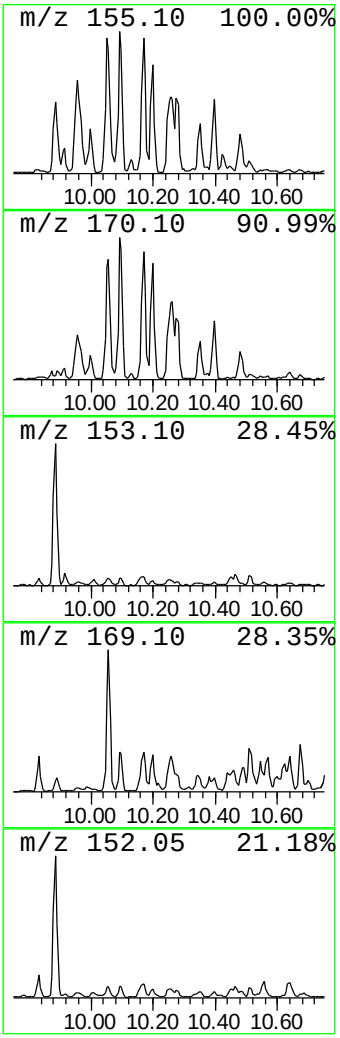
****

Peak Number 13 Naphthalene, 1,4,5-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	13.70 ng	1025750	Acenaphthene-d10	9.85

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	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

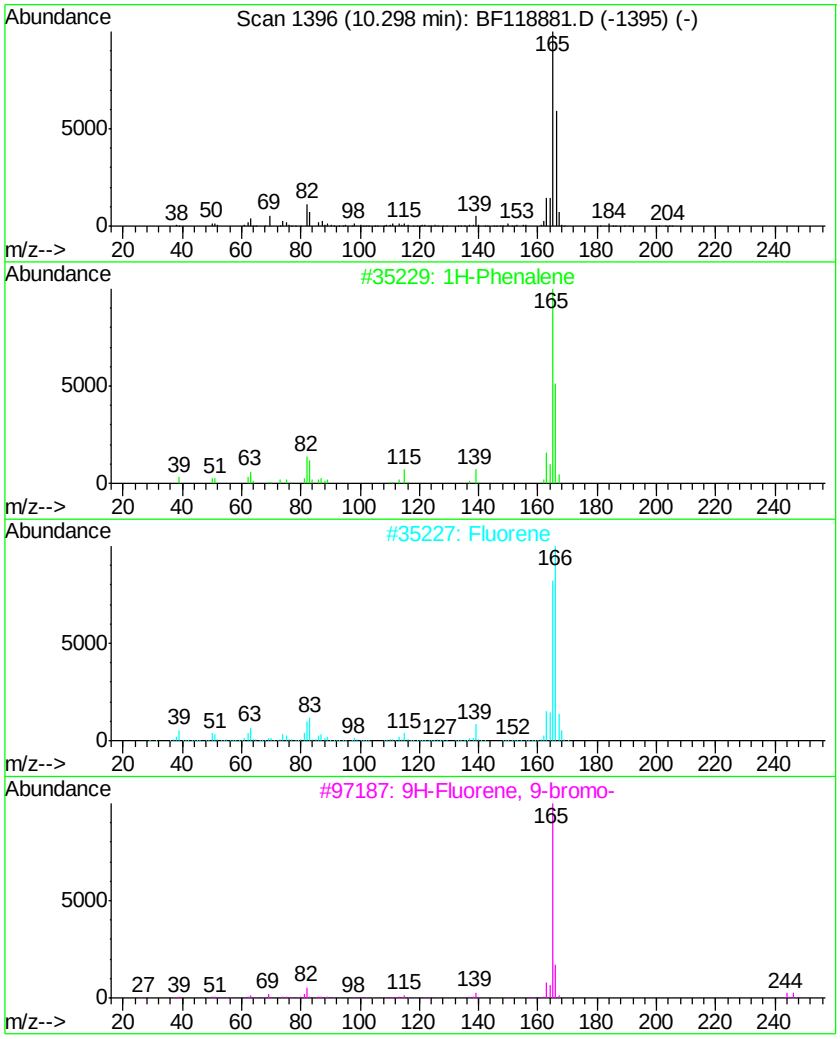
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

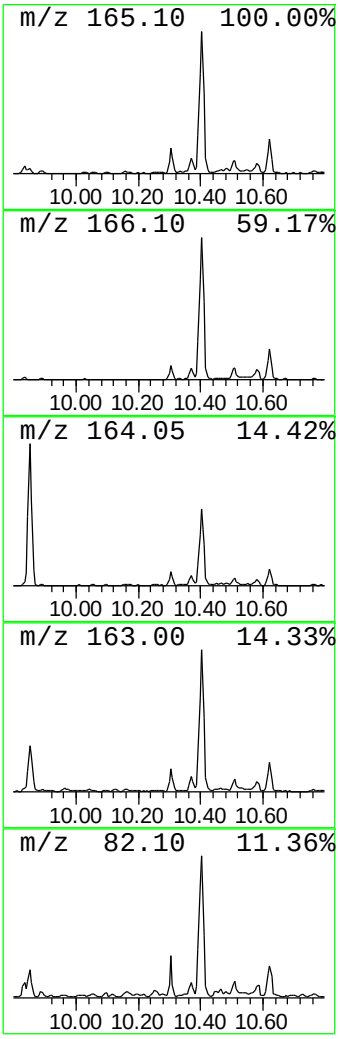
****

Peak Number 14 1H-Phenalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	7.79 ng	583115	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	80
2	Fluorene	166	C13H10	000086-73-7	47
3	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	40
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	39
5	1,6-Dimethyl[1,2,4]triazolo[3,4-...	165	C6H7N5O	1000146-89-4	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

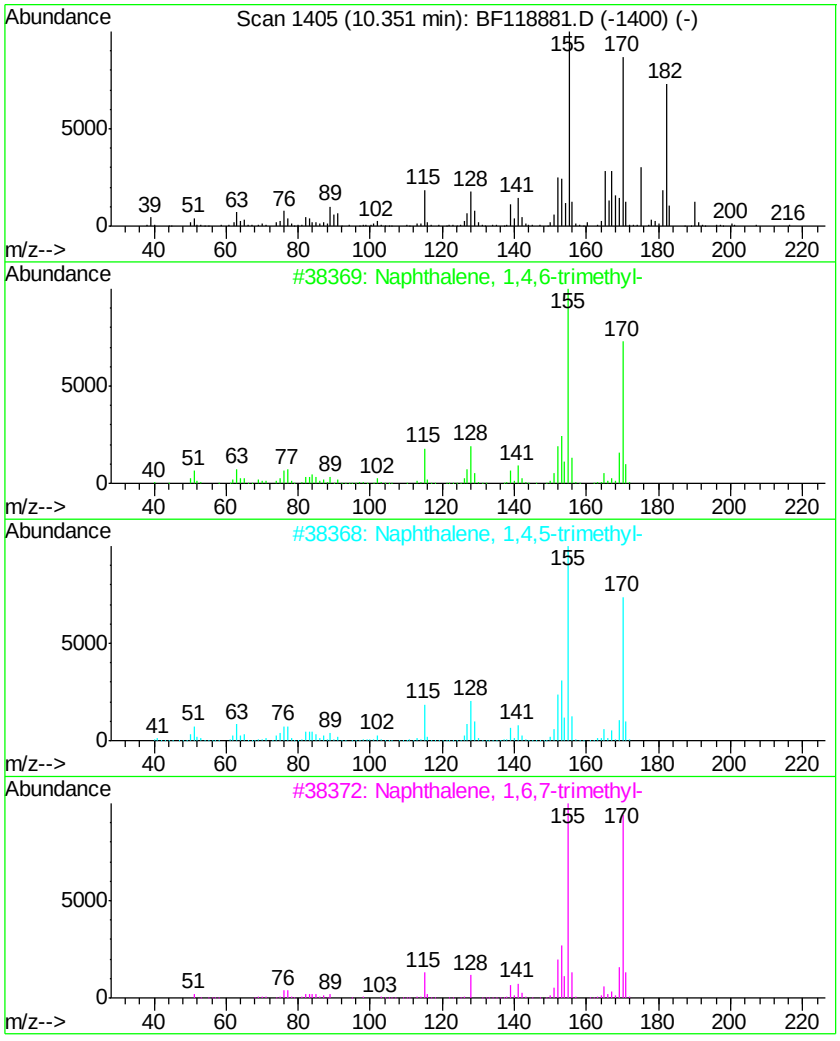
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

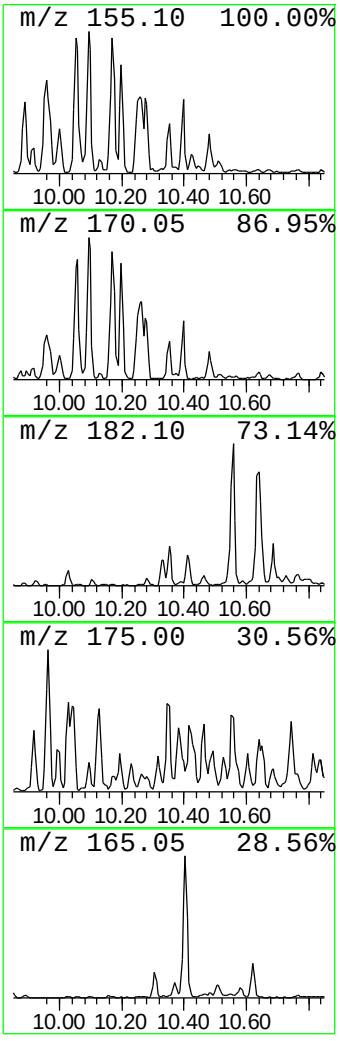
****

Peak Number 15 Naphthalene, 1,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	10.35 ng	774786	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	92
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

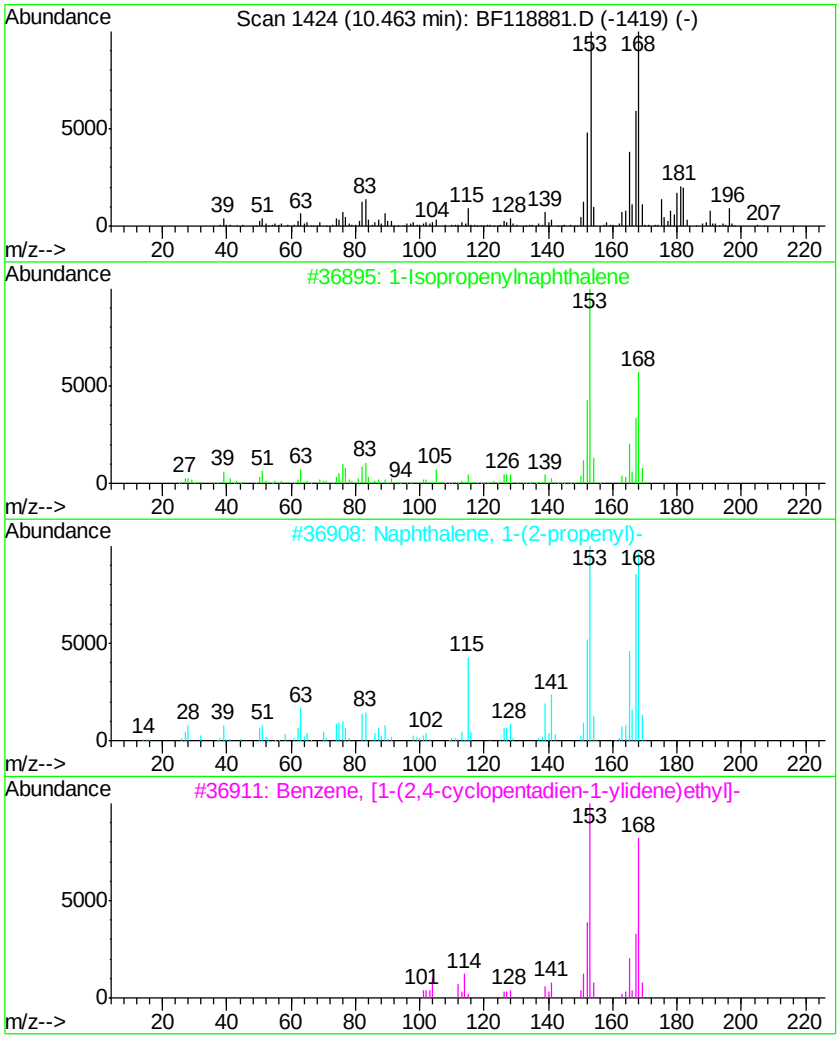
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

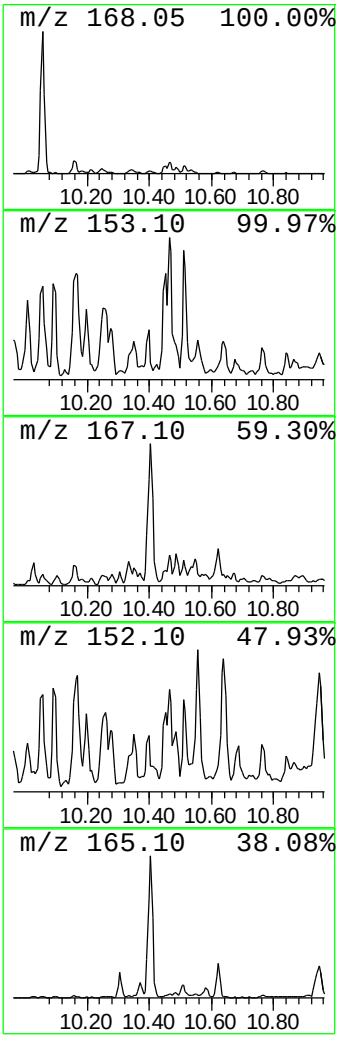
****

Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	11.18 ng	836599	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	83
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	60
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

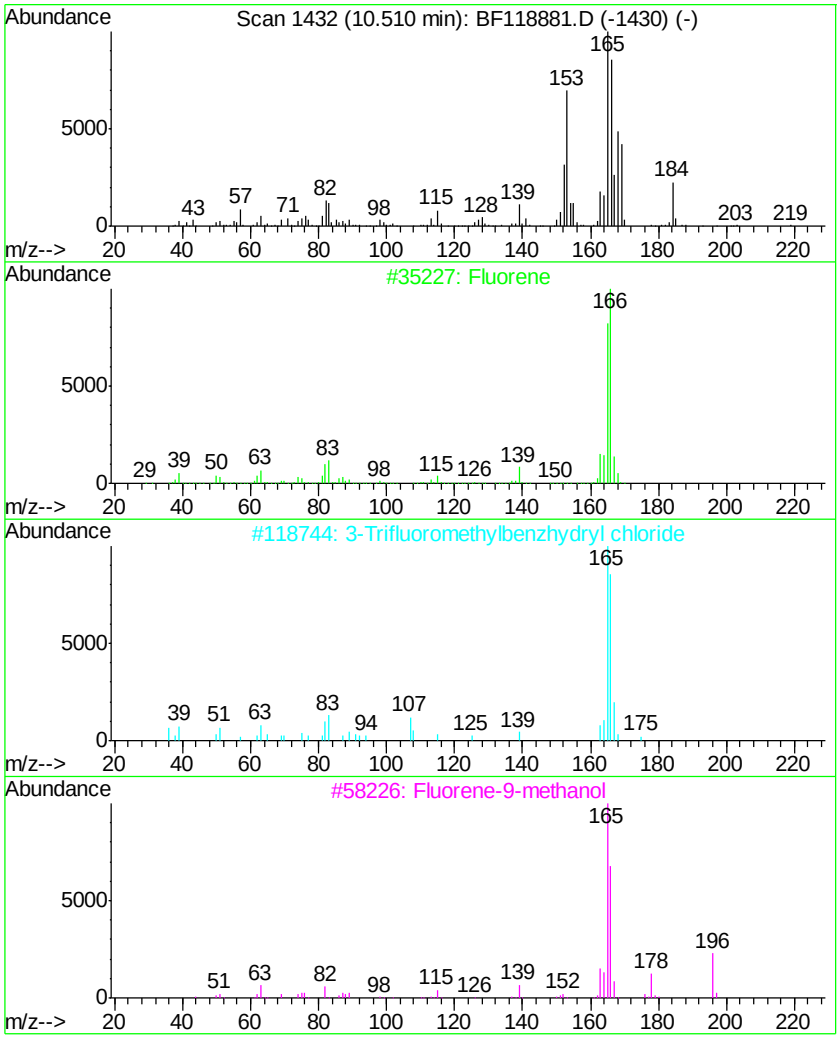
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

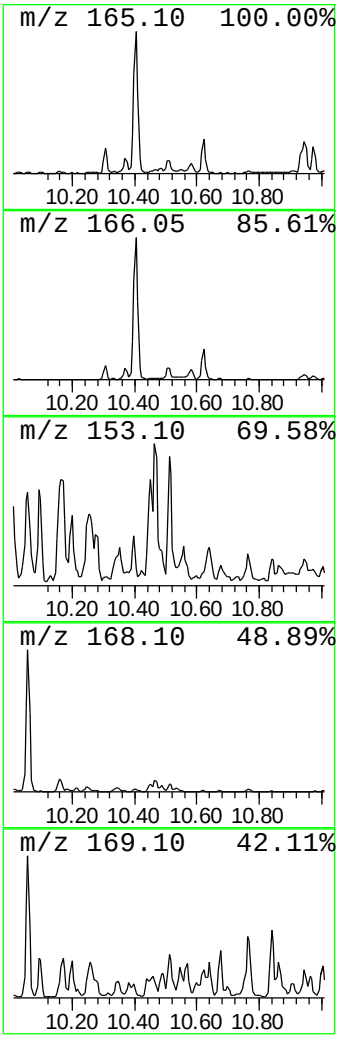
****

Peak Number 17 unknown10.51 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	12.51 ng	936269	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	55
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	43
3	Fluorene-9-methanol	196	C14H12O	024324-17-2	38
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	38
5	Benzophenone p-tosylhydrazone	350	C20H18N2O2S	004545-20-4	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

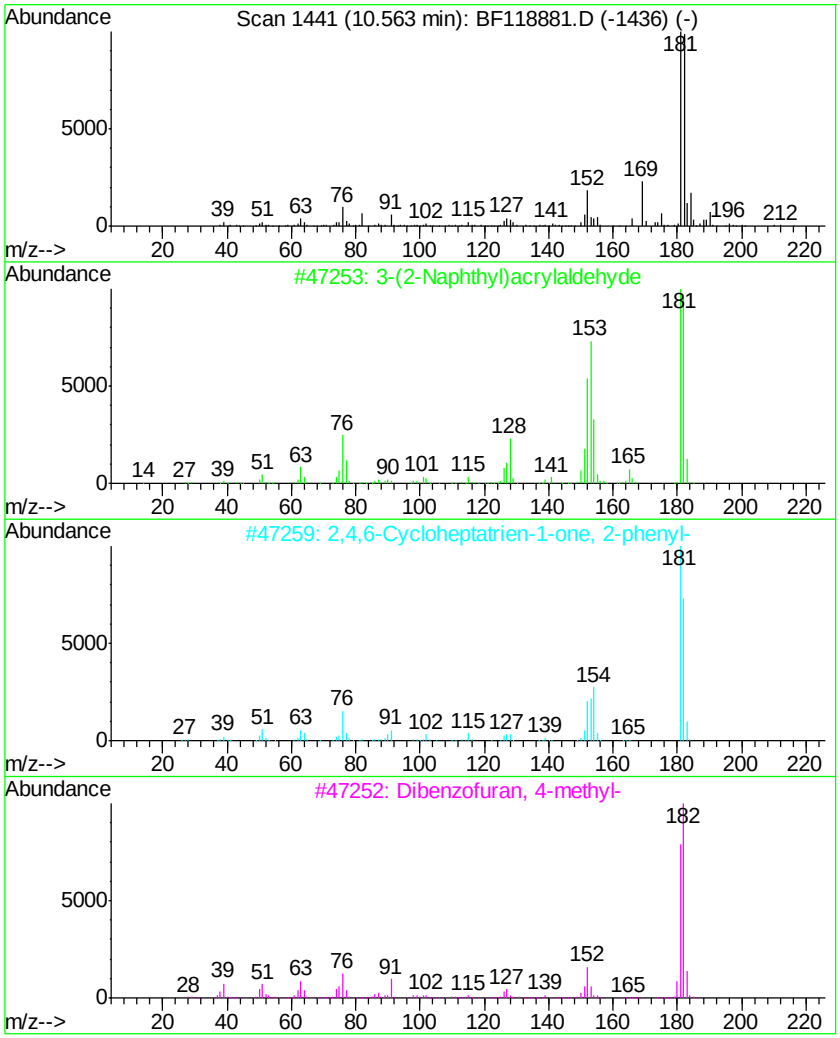
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

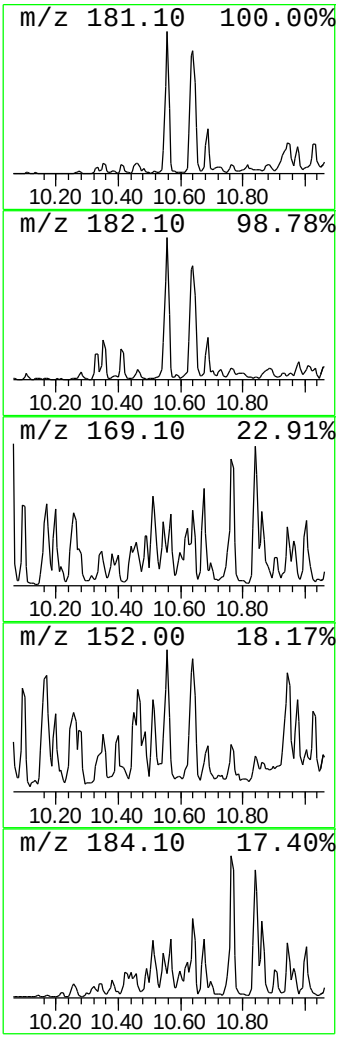
****

Peak Number 18 3-(2-Naphthyl)acrylaldehyde Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	16.75 ng	1253380	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70
4	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	64
5	9H-Xanthene	182	C13H10O	000092-83-1	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

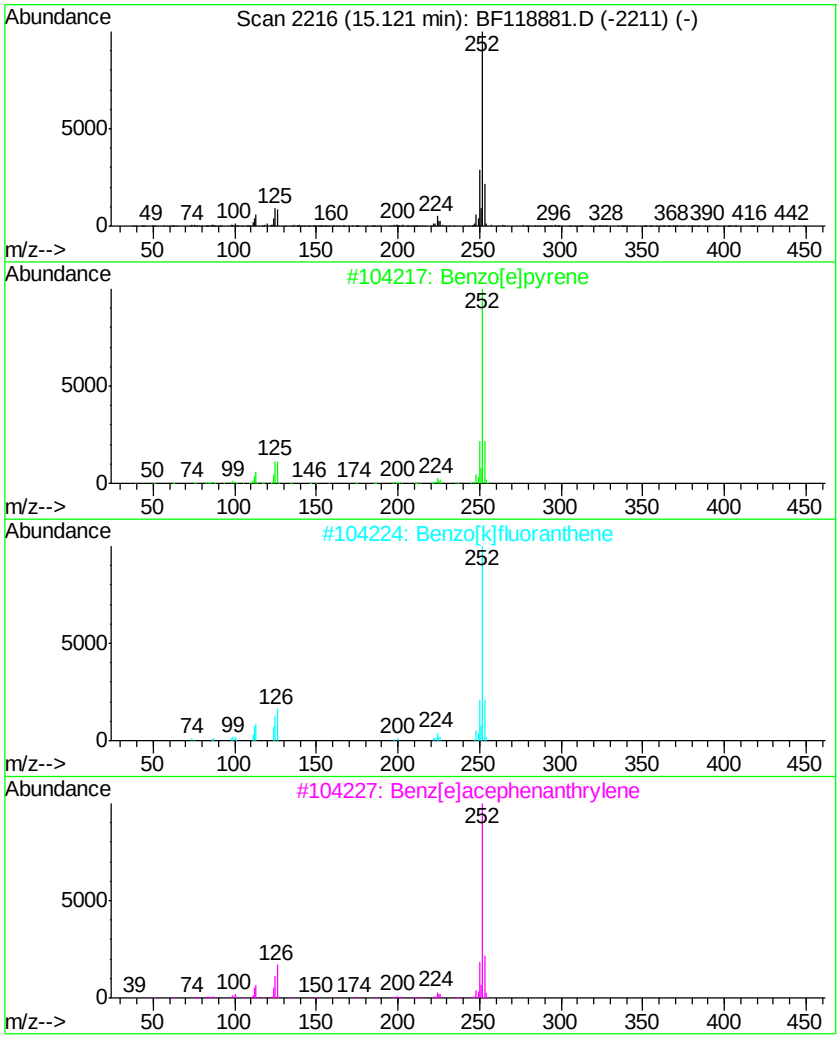
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

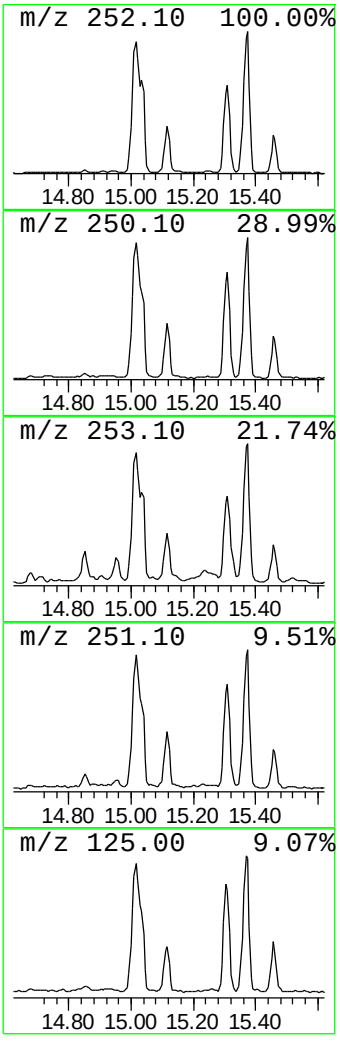
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	13.08 ng	921230	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021020\
Data File : BF118881.D
Acq On : 10 Feb 2020 21:14
Operator : CG/JU
Sample : L1468-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP10-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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
Benzene, 1,3-dime...	5.66	14.9	ng	629193	1	6.82	845751	20.0
Benzene, 1,2,3-tr...	6.65	26.4	ng	1116710	1	6.82	845751	20.0
Indene	7.07	51.9	ng	2195910	1	6.82	845751	20.0
Naphthalene, 2-et...	9.37	19.7	ng	1476780	3	9.85	1497010	20.0
Naphthalene, 1,3-...	9.44	41.2	ng	3086490	3	9.85	1497010	20.0
Naphthalene, 1,5-...	9.52	48.9	ng	3661430	3	9.85	1497010	20.0
Naphthalene, 2,7-...	9.54	30.3	ng	2268680	3	9.85	1497010	20.0
Naphthalene, 1,7-...	9.63	27.6	ng	2066740	3	9.85	1497010	20.0
Naphthalene, 2-me...	9.96	13.4	ng	1004700	3	9.85	1497010	20.0
Naphthalene, 2,3,...	10.17	15.5	ng	1160250	3	9.85	1497010	20.0
Naphthalene, 1,6,...	10.20	8.6	ng	640323	3	9.85	1497010	20.0
Naphthalene, 1,4,...	10.25	13.7	ng	1025750	3	9.85	1497010	20.0
1H-Phenalene	10.30	7.8	ng	583115	3	9.85	1497010	20.0
Naphthalene, 1,4,...	10.35	10.4	ng	774786	3	9.85	1497010	20.0
1-Isopropenylnaph...	10.46	11.2	ng	836599	3	9.85	1497010	20.0
unknown10.51	10.51	12.5	ng	936269	3	9.85	1497010	20.0
3-(2-Naphthyl)acr...	10.56	16.8	ng	1253380	3	9.85	1497010	20.0
Benzo[e]pyrene	15.12	13.1	ng	921230	6	15.43	1408650	20.0