LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

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-BF010719.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	2.193	14	18	23	rVB	371520	475997	1.38%	0.134%
2	3.981	315	322	326	rBV	1196633	1689634	4.89%	0.474%
3	5.510	580	582	585	rVB2	787794	844717	2.44%	0.237%
4	5.540	585	587	590	rVB	1441271	1357640	3.93%	0.381%
5	5.593	590	596	599	rVB	326628	519401	1.50%	0.146%
6	5.657	599	607	609	rVB	276022	488581	1.41%	0.137%
7	5.745	616	622	627	rBV3	362431	649258	1.88%	0.182%
8	5.928	649	653	655	rBV	311570	444252	1.29%	0.125%
9	6.445	732	741	753	rBV3	812851	3269515	9.46%	0.917%
10	6.563	753	761	764	rBV2	3999683	5487787	15.88%	1.540%
11	6.669	766	779	784	rBV	3085218	4361682	12.62%	1.224%
12	6.892	814	817	819	rBV	1049461	1063073	3.08%	0.298%
13	7.051	840	844	846	rVV	3033938	2650439	7.67%	0.744%
14	7.087	846	850	857	rVB3	529624	1050073	3.04%	0.295%
15	7.157	857	862	865	rVB2	5413783	5784705	16.74%	1.623%
16	7.345	882	894	897	rBV	11230961	25741535	74.48%	7.222%
17	7.375	897	899	903	rVB2	463715	499738	1.45%	0.140%
18	7.457	908	913	916	rBV	2220732	2139029	6.19%	0.600%
19	7.587	931	935	938	rBV2	672128	672239	1.95%	0.189%
20	7.669	940	949	951	rVV	497806	1000020	2.89%	0.281%
21	7.722	954	958	959	rBV2	561775	614946	1.78%	0.173%
22	7.751	959	963	966	rVB	4035612	3730863	10.80%	1.047%
23	7.863	972	982	986	rBV	10632675	24767119	71.66%	6.949%
24	7.992	992	1004	1006	rBV2	10869909	31570930	91.35%	8.857%
25	8.016	1006	1008	1010	rVV	11790431	8715997	25.22%	2.445%
26	8.051	1010	1014	1019	rVB2	4143336	6003693	17.37%	1.684%
27	8.163	1023	1033	1035	rBV	8249861	12347540	35.73%	3.464%
28	8.204	1037	1040	1043	rVB	3050158	2657486	7.69%	0.746%
29	8.251	1043	1048	1051	rVB	699370	648572	1.88%	0.182%
30	8.304	1052	1057	1060	rBV	2434104	2414399	6.99%	0.677%
31	8.351	1060	1065	1068	rVV	7540182	9349873	27.05%	2.623%
32	8.386	1068	1071	1073	rVV	3017361	2857277	8.27%	0.802%
33	8.428	1073	1078	1080	rVV	7798413	9150346	26.48%	2.567%
34	8.457	1080	1083	1086	rVB	5663706	5027141	14.55%	1.410%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

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-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.581	1092	1104	1107	rBV4	13414112	34560909	100.00%	9.696%
36	8.610	1107	1109	1110	rVV2	1220233	789361	2.28%	0.221%
37	8.639	1110	1114	1115	rVV	3230488	3840372	11.11%	1.077%
38	8.657	1115	1117	1119	rVV	4273573	4378770	12.67%	1.228%
39	8.681	1119	1121	1123	rVB2	4602339	3445673	9.97%	0.967%
40	8.763	1128	1135	1137	rBV	4775286	4361524	12.62%	1.224%
41	8.786	1137	1139	1140	rVV	475671	415208	1.20%	0.116%
42	8.798	1140	1141	1143	rVB	641406	395714	1.14%	0.111%
43	8.851	1143	1150	1152	rBV2	2893942	4581298	13.26%	1.285%
44	8.881	1152	1155	1159	rVV2	4522361	5540387	16.03%	1.554%
45	8.933	1159	1164	1165	rVV3	2680504	2931437	8.48%	0.822%
46	8.963	1165	1169	1172	rVV	10973949	13256405	38.36%	3.719%
47	8.992	1172	1174	1176	rVB	2476078	1749614	5.06%	0.491%
48	9.086	1187	1190	1191	rBV	6889780	5089697	14.73%	1.428%
49	9.104	1191	1193	1196	rVB	8848475	8162294	23.62%	2.290%
50	9.145	1196	1200	1202	rVB2	5466601	5489767	15.88%	1.540%
51	9.181	1202	1206	1210	rVB3	3207501	3898358	11.28%	1.094%
52	9.228	1210	1214	1216	rBV	4703592	4217827	12.20%	1.183%
53	9.257	1216	1219	1222	rVB	4226301	3629079	10.50%	1.018%
54	9.322	1226	1230	1232	rBV	3223039	3846558	11.13%	1.079%
55	9.357	1232	1236	1243	rVB2	8356937	11551854	33.42%	3.241%
56	9.422	1243	1247	1249	rBV3	332463	435437	1.26%	0.122%
57	9.457	1250	1253	1257	rVB	830229	799133	2.31%	0.224%
58	9.516	1257	1263	1265	rBV2	5927041	6735952	19.49%	1.890%
59	9.539	1265	1267	1270	rVB2	2390913	2056752	5.95%	0.577%
60	9.575	1270	1273	1275	rVB	2986286	2414924	6.99%	0.678%
61	9.604	1275	1278	1282	rVB2	2764486	2685322	7.77%	0.753%
62	9.639	1282	1284	1286	rBV2	704783	575252	1.66%	0.161%
63	9.686	1289	1292	1294	rBV	4213703	3960326	11.46%	1.111%
64	9.710	1294	1296	1298	rBV	2014725	1646458	4.76%	0.462%
65	9.728	1298	1299	1302	rVB2	1236749	960954	2.78%	0.270%
66	9.757	1302	1304	1307	rVB2	583542	573662	1.66%	0.161%
67	9.804	1310	1312	1314	rVB2	1132802	863972	2.50%	0.242%
68	9.828	1314	1316	1319	rBV2	680484	526878	1.52%	0.148%
69	9.857	1319	1321	1324	rBV2	490857	368265	1.07%	0.103%
70	9.904	1326	1329	1333	rBV3	1640657	2349954	6.80%	0.659%
71	9.933	1333	1334	1337	rVB2	1216618	904893	2.62%	0.254%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

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-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.986	1341	1343	1347	rVB2	1169533	1186141	3.43%	0.333%
73	10.075	1354	1358	1361	rBV3	2050725	2580450	7.47%	0.724%
74	10.104	1361	1363	1364	rBV2	456220	363775	1.05%	0.102%
75	10.304	1391	1397	1401	rVV4	443398	683995	1.98%	0.192%
76	10.439	1417	1420	1422	rVV	380812	391826	1.13%	0.110%
77	10.469	1422	1425	1431	rVB3	694678	781529	2.26%	0.219%
78	10.539	1434	1437	1439	rVV2	548909	566266	1.64%	0.159%
79	10.586	1443	1445	1447	rVV2	352708	420700	1.22%	0.118%
80	10.610	1447	1449	1451	rVV2	378253	390924	1.13%	0.110%
81	10.722	1464	1468	1472	rVB	2659209	2316745	6.70%	0.650%
82	10.957	1503	1508	1511	rBV2	346654	439446	1.27%	0.123%
83	11.004	1511	1516	1518	rVV3	573052	735723	2.13%	0.206%
84	11.039	1519	1522	1527	rVB	398448	460263	1.33%	0.129%
85	11.204	1546	1550	1553	rBV	686122	613898	1.78%	0.172%
86	11.269	1557	1561	1564	rBV	443357	467962	1.35%	0.131%
87	11.416	1582	1586	1588	rBV	1096074	921993	2.67%	0.259%
88	11.945	1671	1676	1678	rVV2	817489	917723	2.66%	0.257%
89	11.969	1678	1680	1685	rVB	551317	491168	1.42%	0.138%
90	12.457	1760	1763	1772	rVB7	270385	515184	1.49%	0.145%
91	12.727	1802	1809	1812	rBV4	1014754	1130342	3.27%	0.317%
92	12.998	1851	1855	1858	rBV	3913004	3414578	9.88%	0.958%
93	13.069	1865	1867	1874	rVB3	365386	425980	1.23%	0.120%
94	14.051	2031	2034	2040	rVB	1070144	959046	2.77%	0.269%
95	15.533	2281	2286	2295	rVB	918908	1225372	3.55%	0.344%

Sum of corrected areas: 356436766

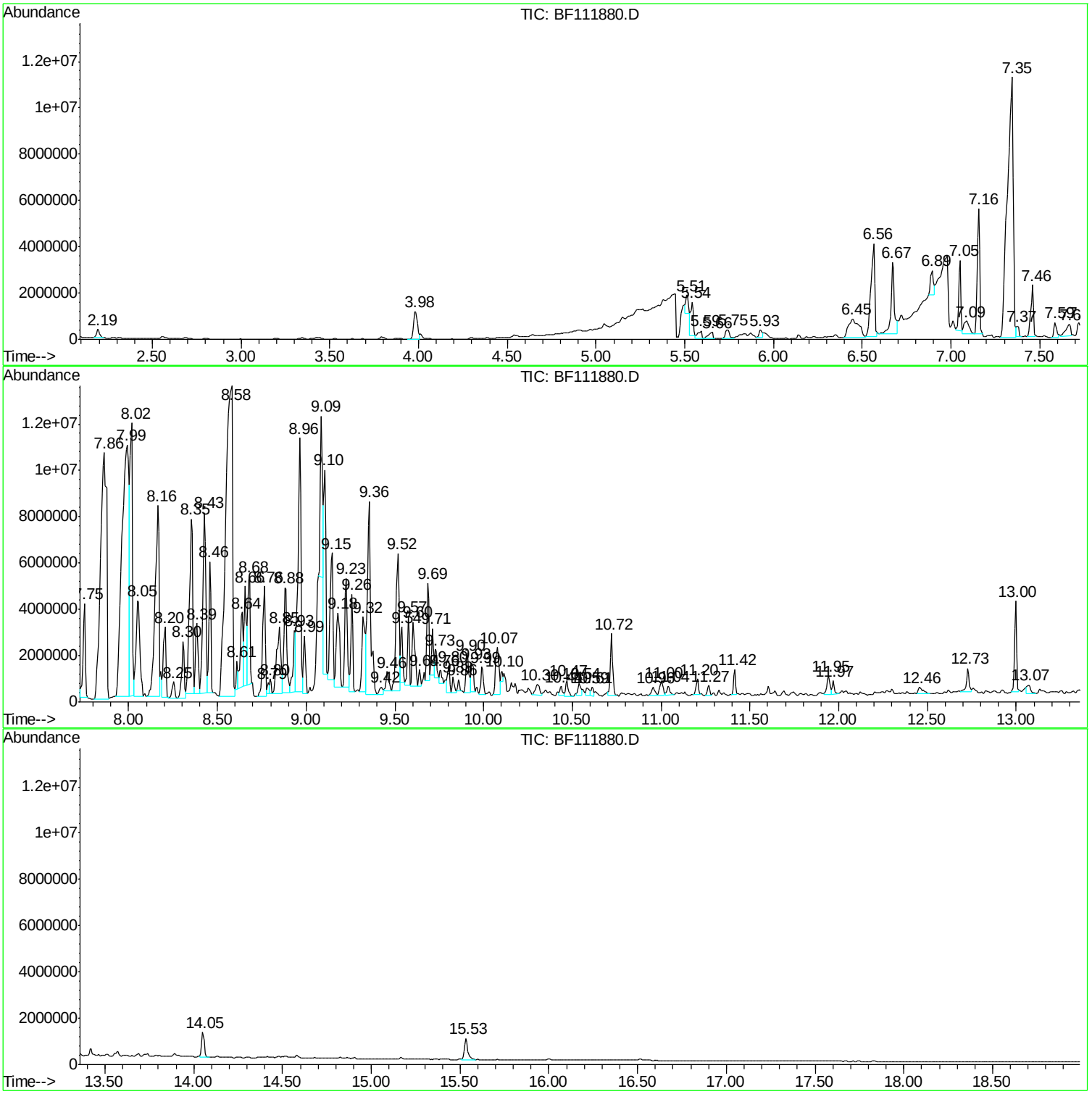
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

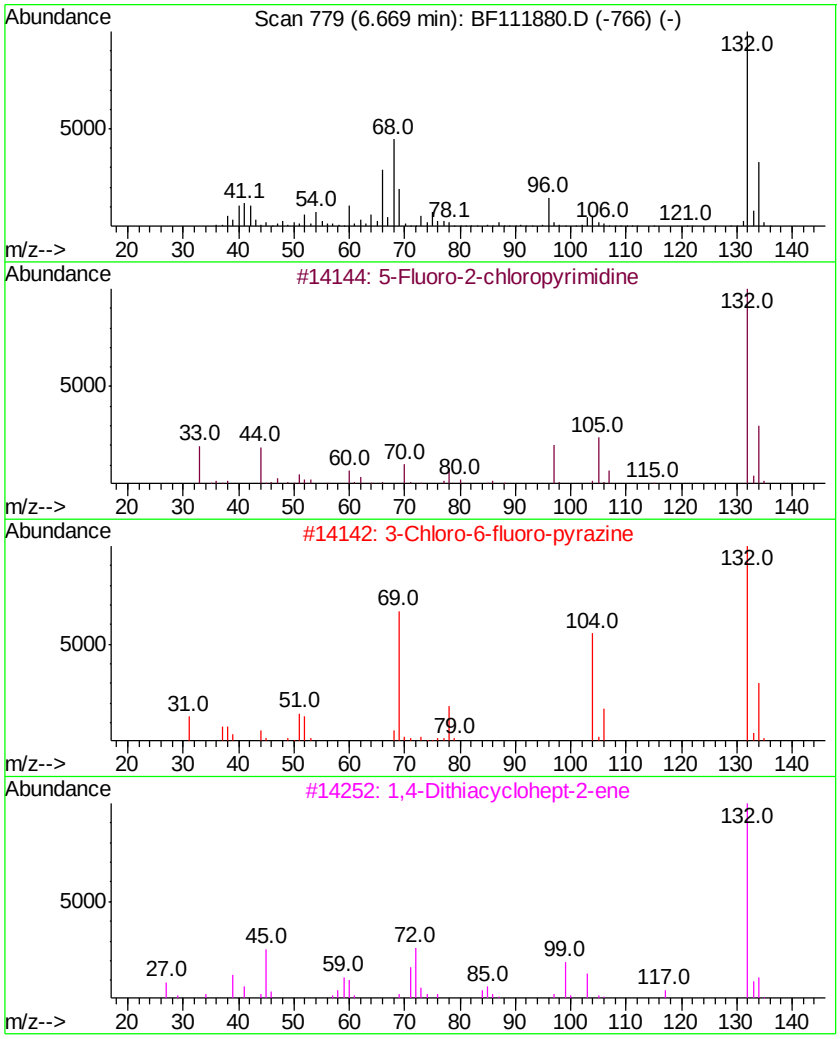
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

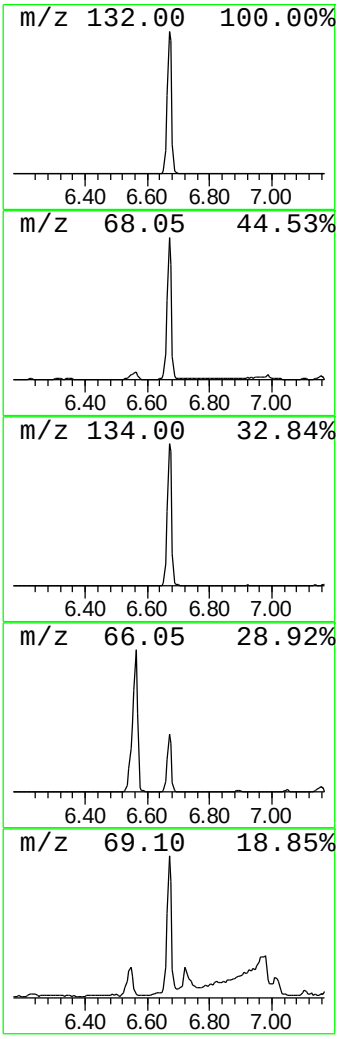
****

Peak Number 2 unknown6.67 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	82.06 ng	4361680	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	1,4-Dithiacyclohept-2-ene	132	C5H8S2	070063-50-2	12
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

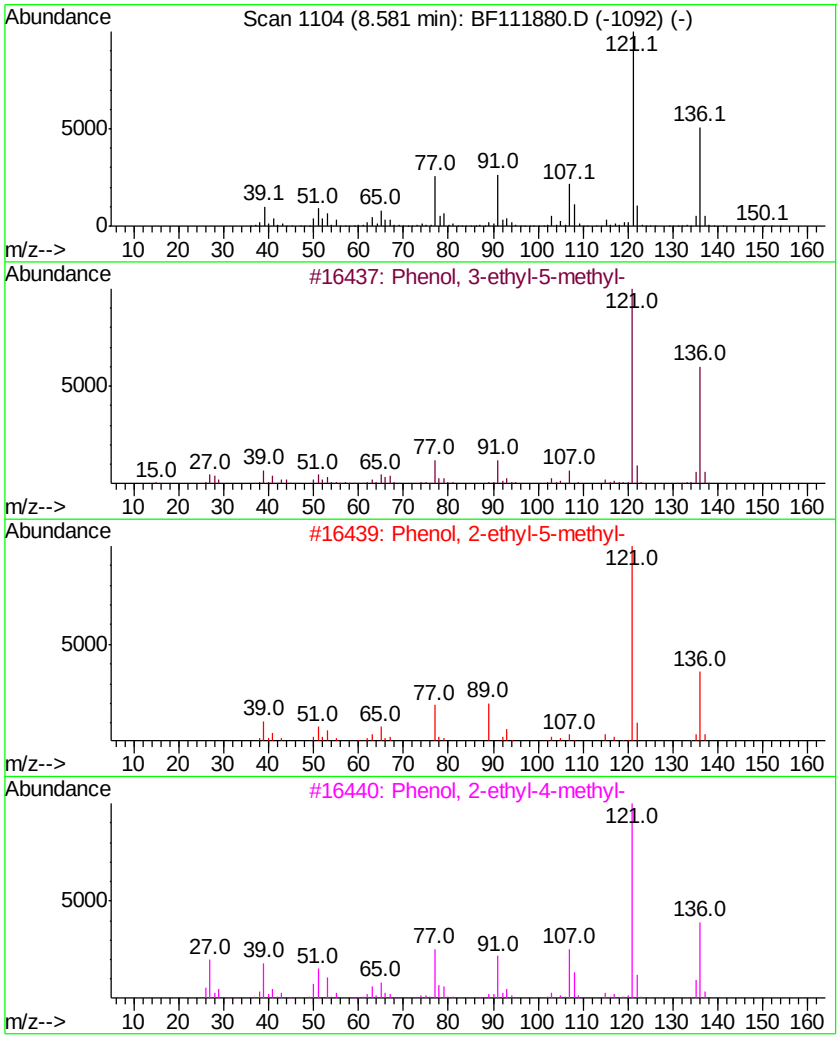
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

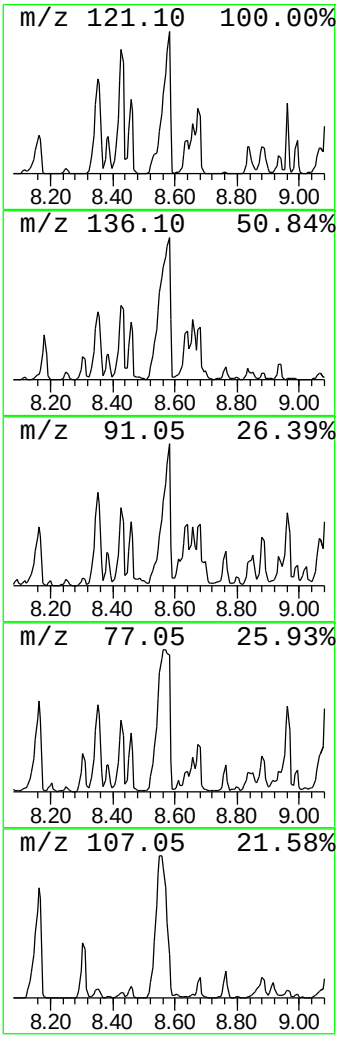
****

Peak Number 3 Phenol, 3-ethyl-5-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	55.98 ng	34560900	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	87
2	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	87
3	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	83
4	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	83
5	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

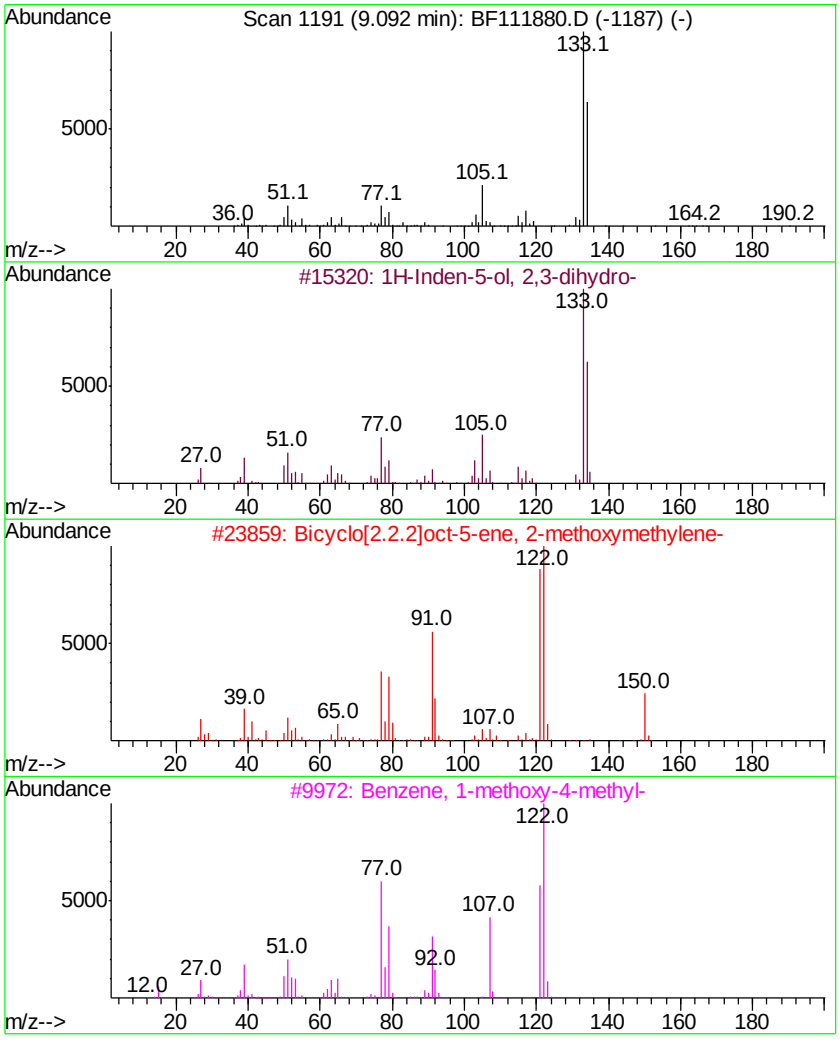
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

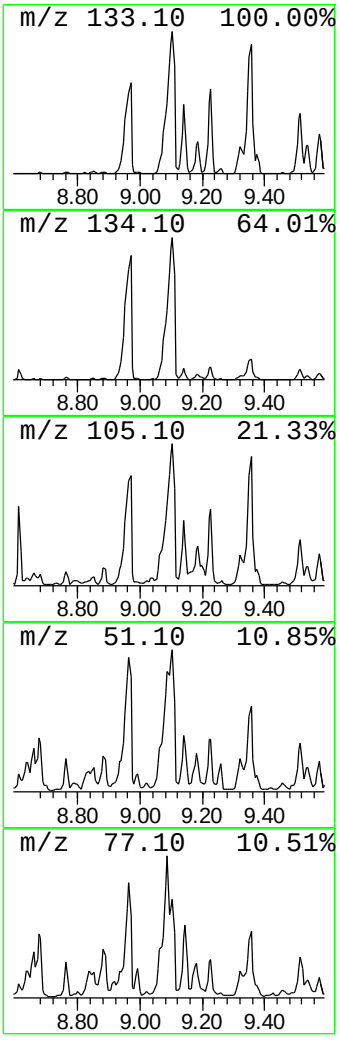
****

Peak Number 4 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	112.49 ng	5089700	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	70
2	Bicyclo[2.2.2]oct-5-ene, 2-metho...	150	C10H14O	1000152-70-2	53
3	Benzene, 1-methoxy-4-methyl-	122	C8H10O	000104-93-8	38
4	3-Pyridinamine, N,N-dimethyl-	122	C7H10N2	018437-57-5	38
5	Benzaldehyde, 2-ethyl-	134	C9H10O	022927-13-5	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

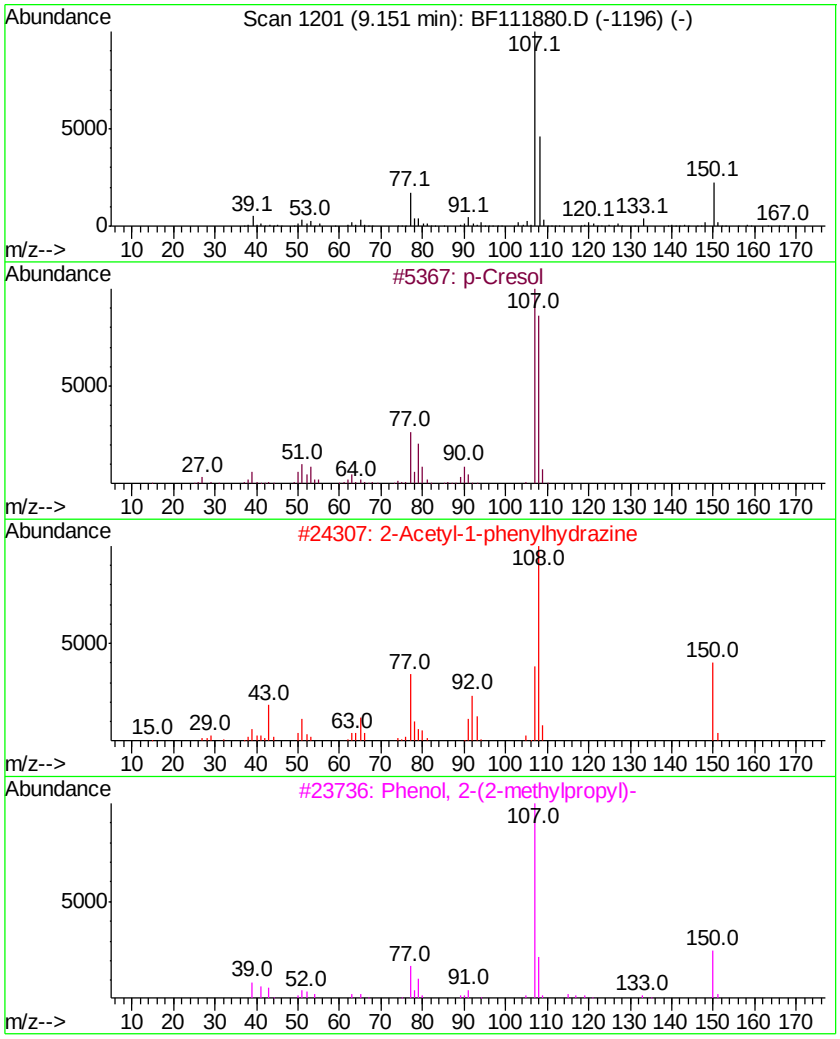
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

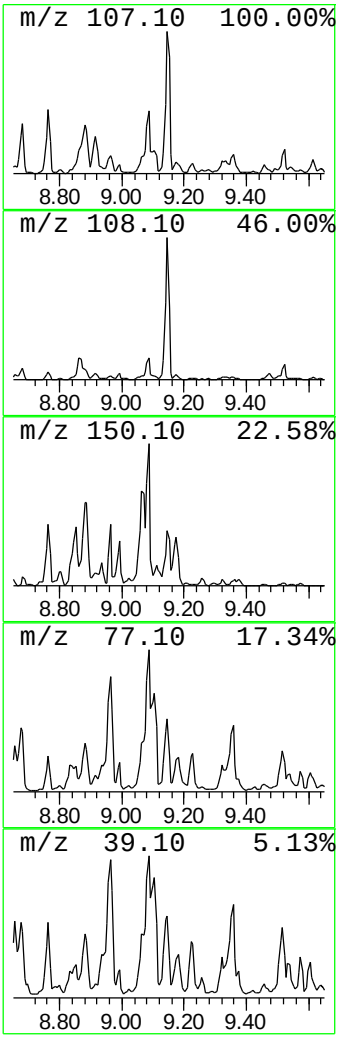
****

Peak Number 6 p-Cresol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	121.34 ng	5489770	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cresol	108	C7H8O	000106-44-5	52
2	2-Acetyl-1-phenylhydrazine	150	C8H10N2O	000114-83-0	46
3	Phenol, 2-(2-methylpropyl)-	150	C10H14O	004167-75-3	38
4	Phenol, 4-(2-methylpropyl)-	150	C10H14O	004167-74-2	38
5	Phenol, 2-butyl-	150	C10H14O	003180-09-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

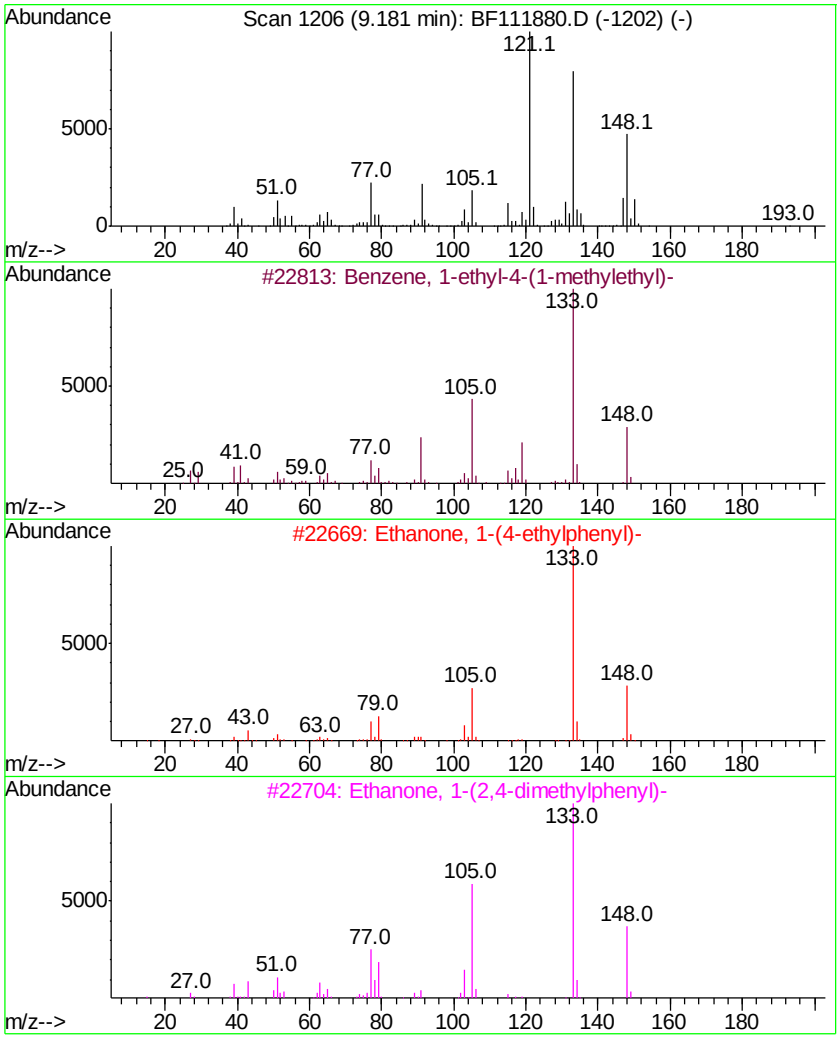
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

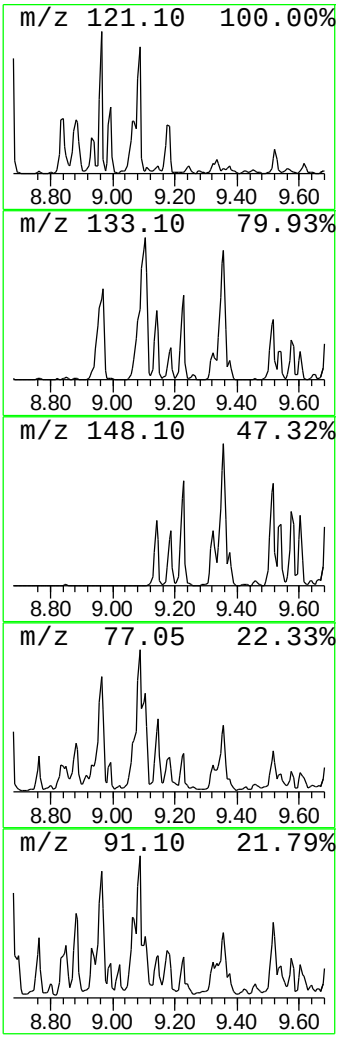
****

Peak Number 7 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	86.16 ng	3898360	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	55
2	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	55
3	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	43
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	43
5	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

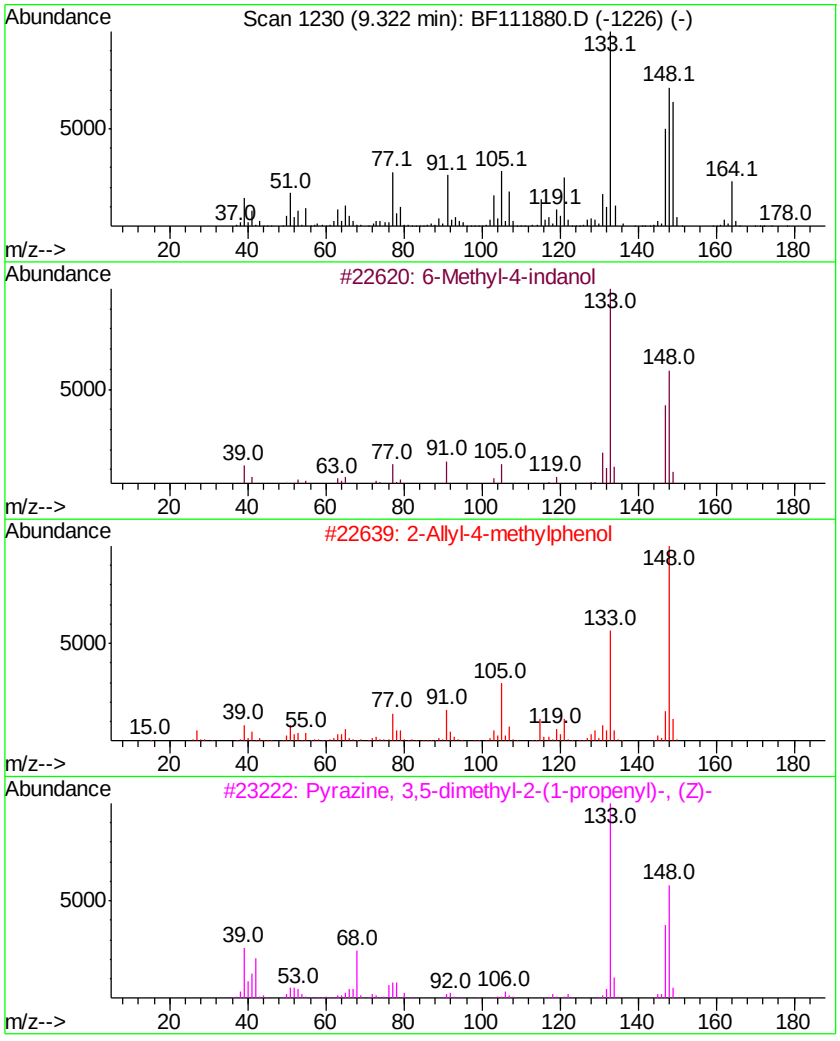
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

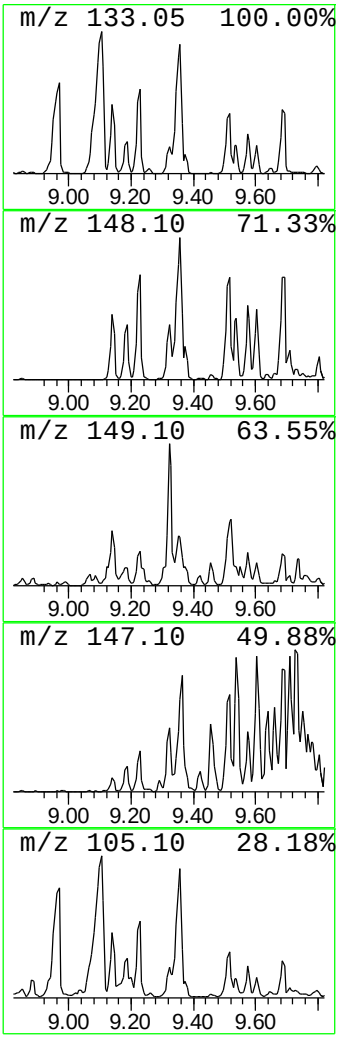
****

Peak Number 8 6-Methyl-4-indanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	85.02 ng	3846560	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	89
2	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	58
3	Pyrazine, 3,5-dimethyl-2-(1-prop...	148	C9H12N2	055138-74-4	52
4	3,4-Dimethylbenzamide	149	C9H11NO	005580-33-6	50
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

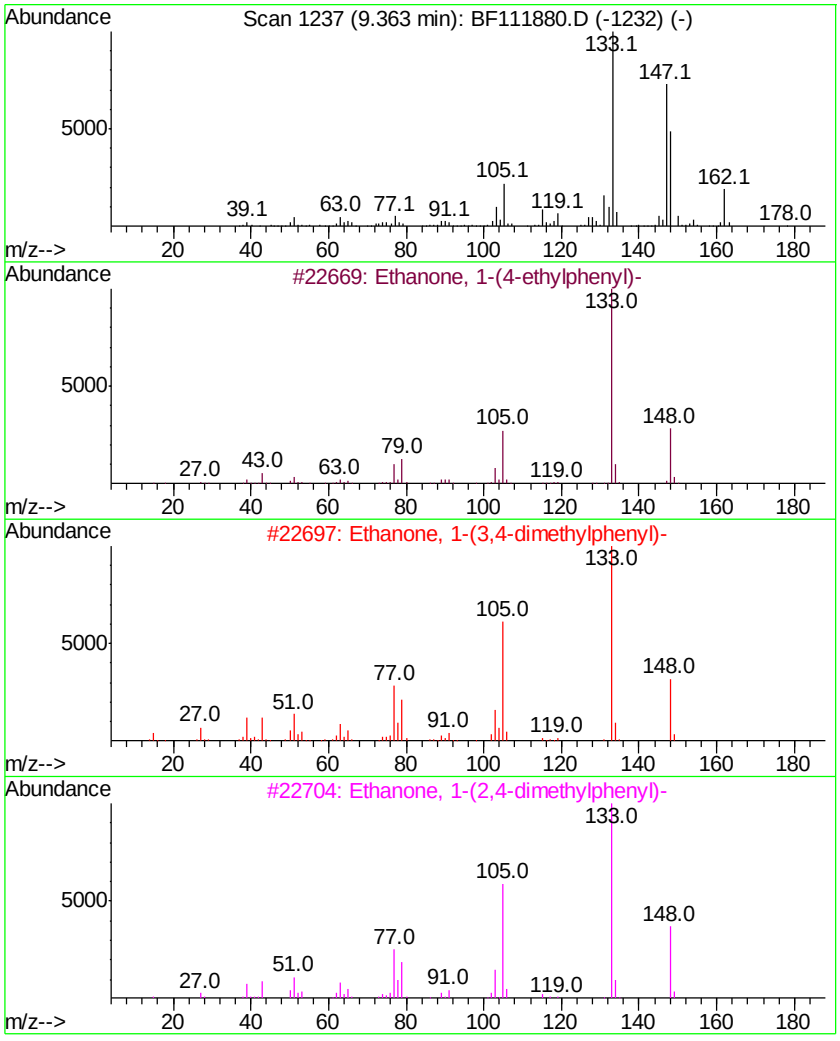
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

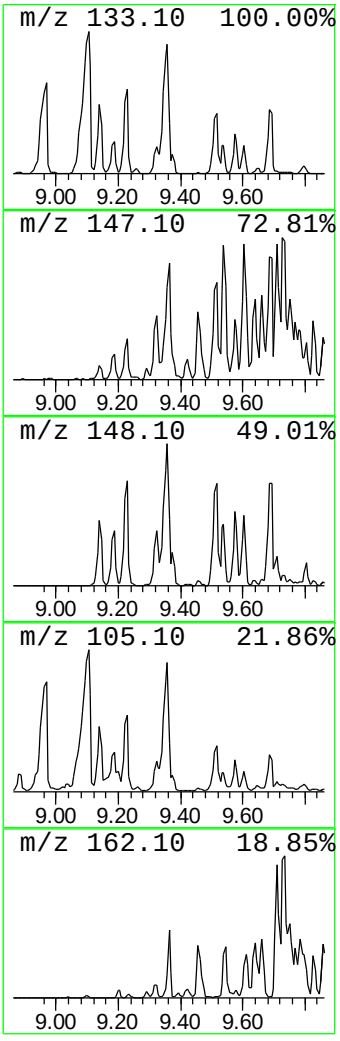
****

Peak Number 9 Ethanone, 1-(4-ethylphenyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	255.32 ng	11551900	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	83
2	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	81
3	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	72
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	59
5	m-Ethylacetophenone	148	C10H12O	022699-70-3	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

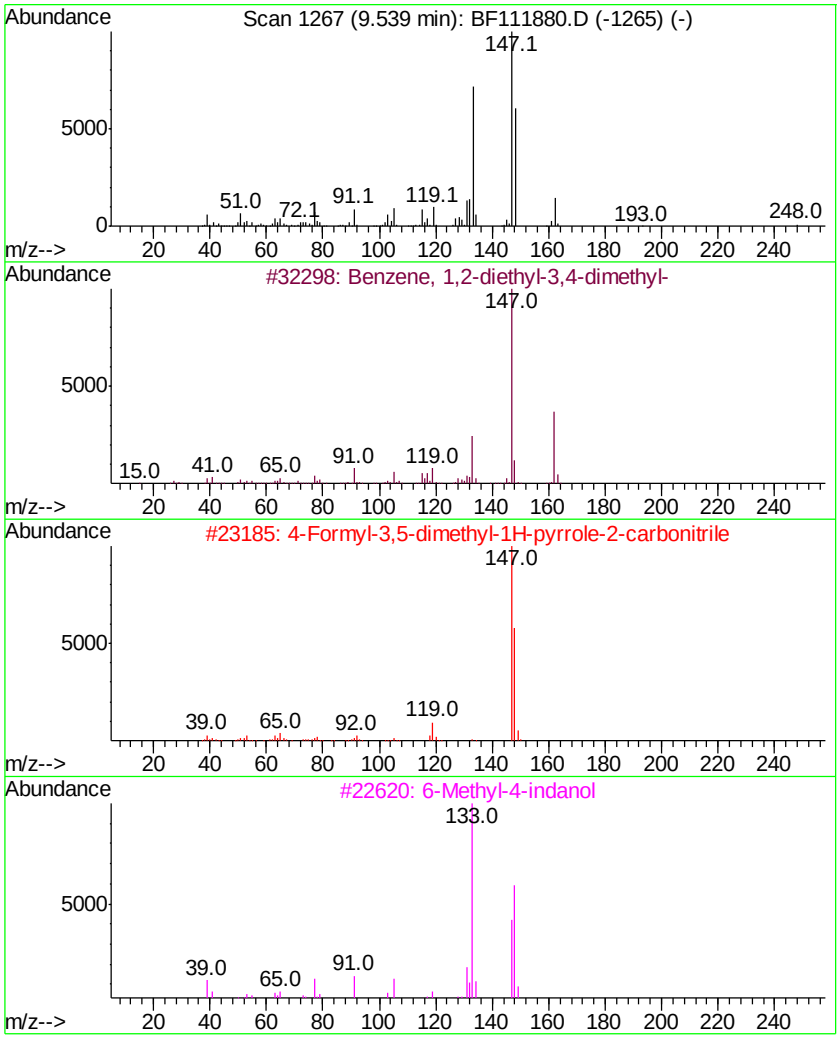
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

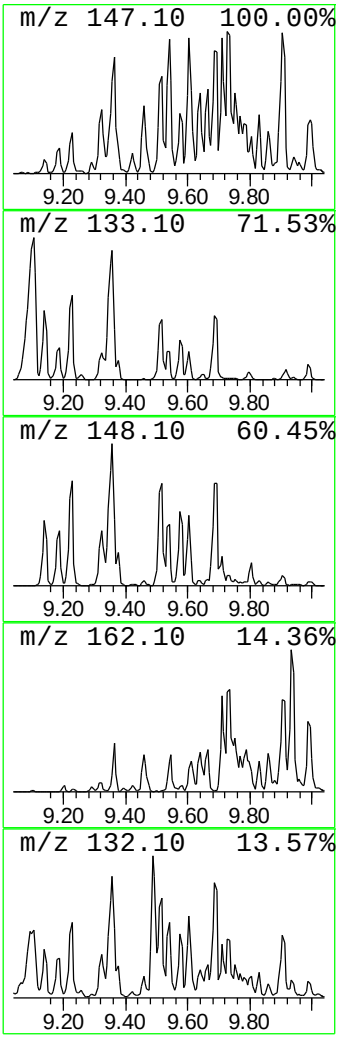
****

Peak Number 11 Benzene, 1,2-diethyl-3,4-di... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	45.46 ng	2056750	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-3,4-dimethyl-	162	C12H18	054410-75-2	58
2	4-Formyl-3,5-dimethyl-1H-pyrrole...	148	C8H8N2O	1000296-05-3	49
3	6-Methyl-4-indanol	148	C10H12O	020294-32-0	49
4	Phenol, 4-(3-methyl-2-butenyl)-	162	C11H14O	001200-09-5	47
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

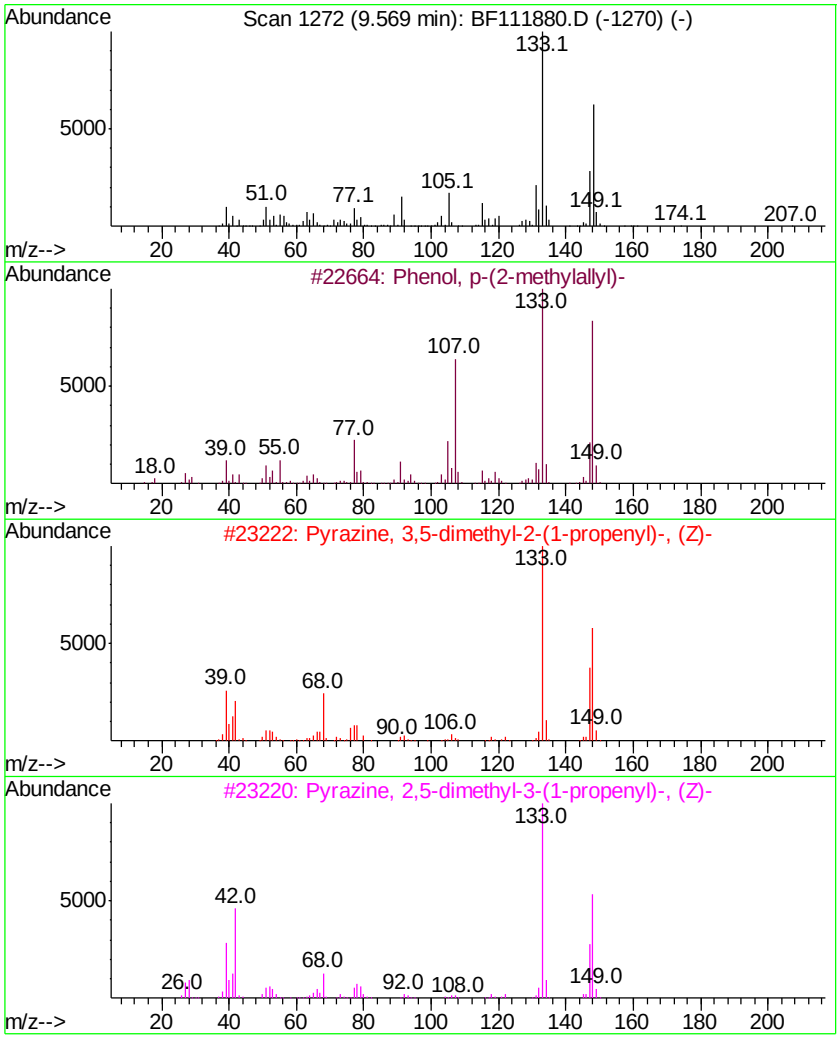
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

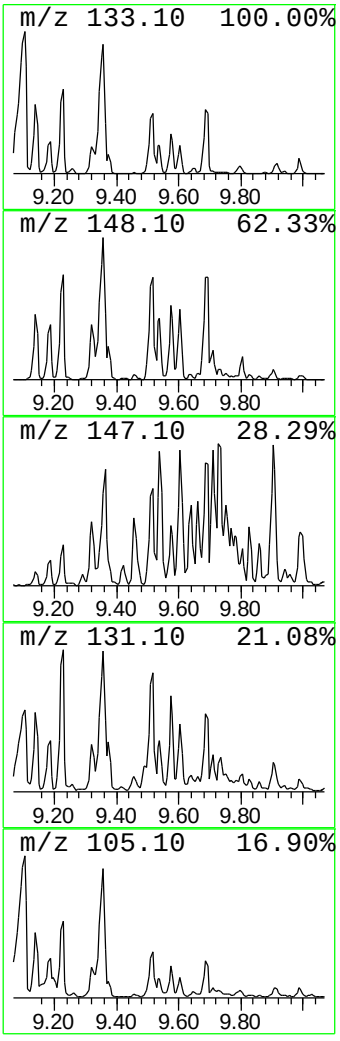
****

Peak Number 12 Phenol, p-(2-methylallyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	53.37 ng	2414920	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-(2-methylallyl)-	148	C10H12O	033641-78-0	74
2	Pyrazine, 3,5-dimethyl-2-(1-prop...	148	C9H12N2	055138-74-4	72
3	Pyrazine, 2,5-dimethyl-3-(1-prop...	148	C9H12N2	055138-73-3	72
4	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	70
5	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

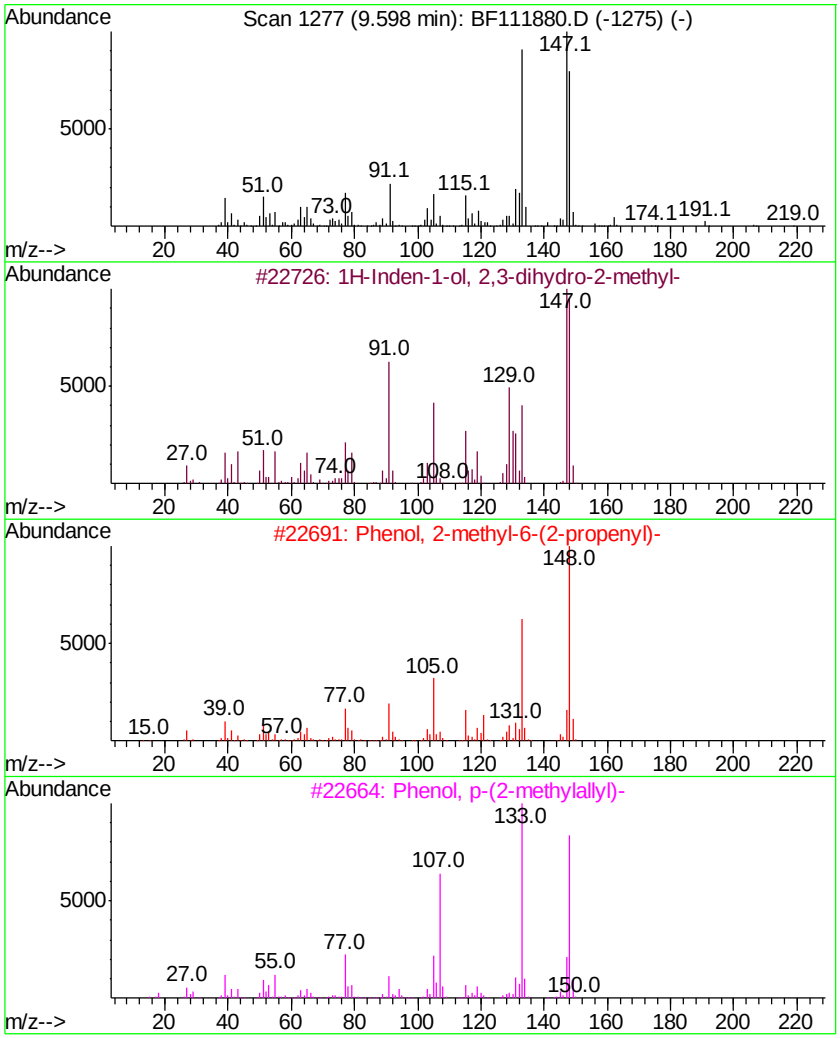
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

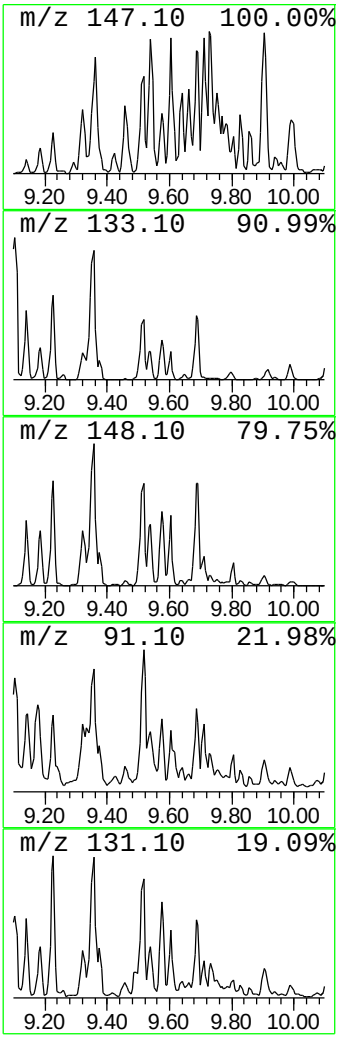
****

Peak Number 13 1H-Inden-1-ol, 2,3-dihydro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	59.35 ng	2685320	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-ol, 2,3-dihydro-2-met...	148	C10H12O	017496-18-3	70
2	Phenol, 2-methyl-6-(2-propenyl)-	148	C10H12O	003354-58-3	70
3	Phenol, p-(2-methylallyl)-	148	C10H12O	033641-78-0	58
4	Benzaldehyde, 2,4,5-trimethyl-	148	C10H12O	005779-72-6	53
5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

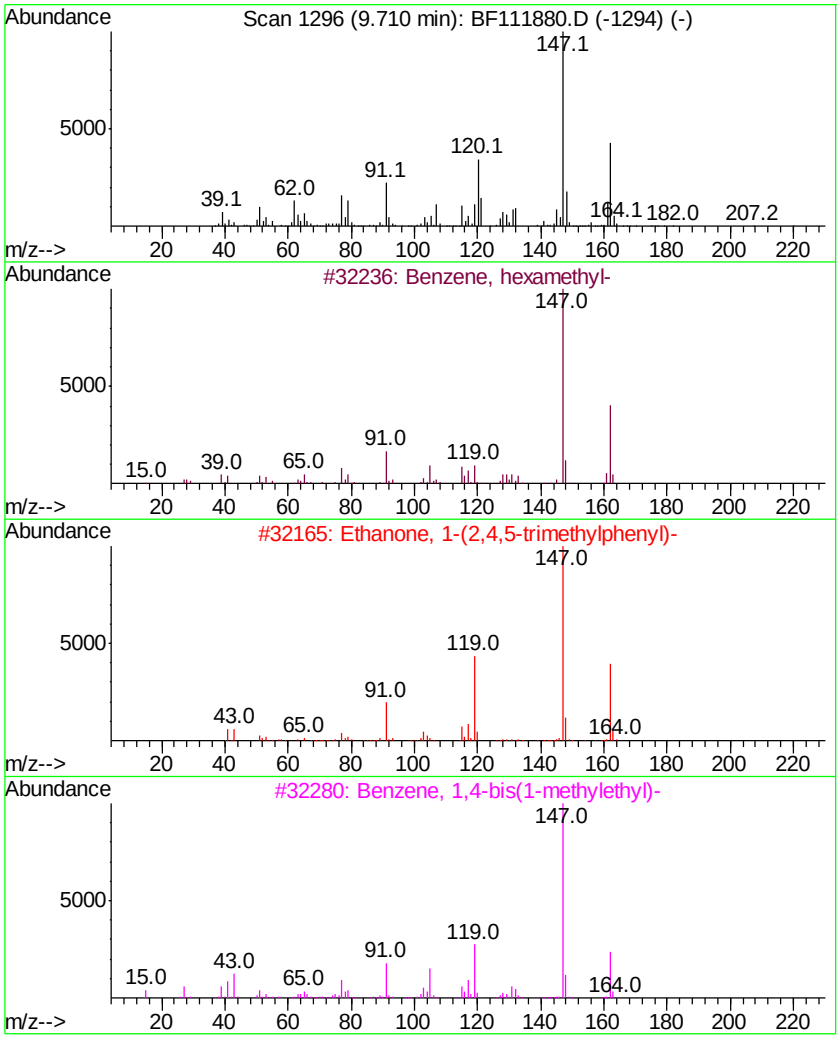
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

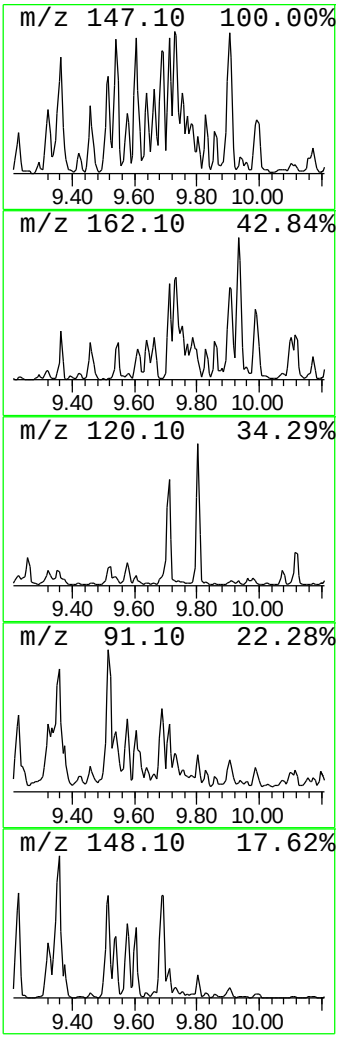
****

Peak Number 15 Benzene, hexamethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	36.39 ng	1646460	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, hexamethyl-	162	C12H18	000087-85-4	83
2	Ethanone, 1-(2,4,5-trimethylphen...	162	C11H14O	002040-07-5	53
3	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	53
4	Phenyldimethylvinylsilane	162	C10H14Si	001125-26-4	52
5	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	000098-19-1	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

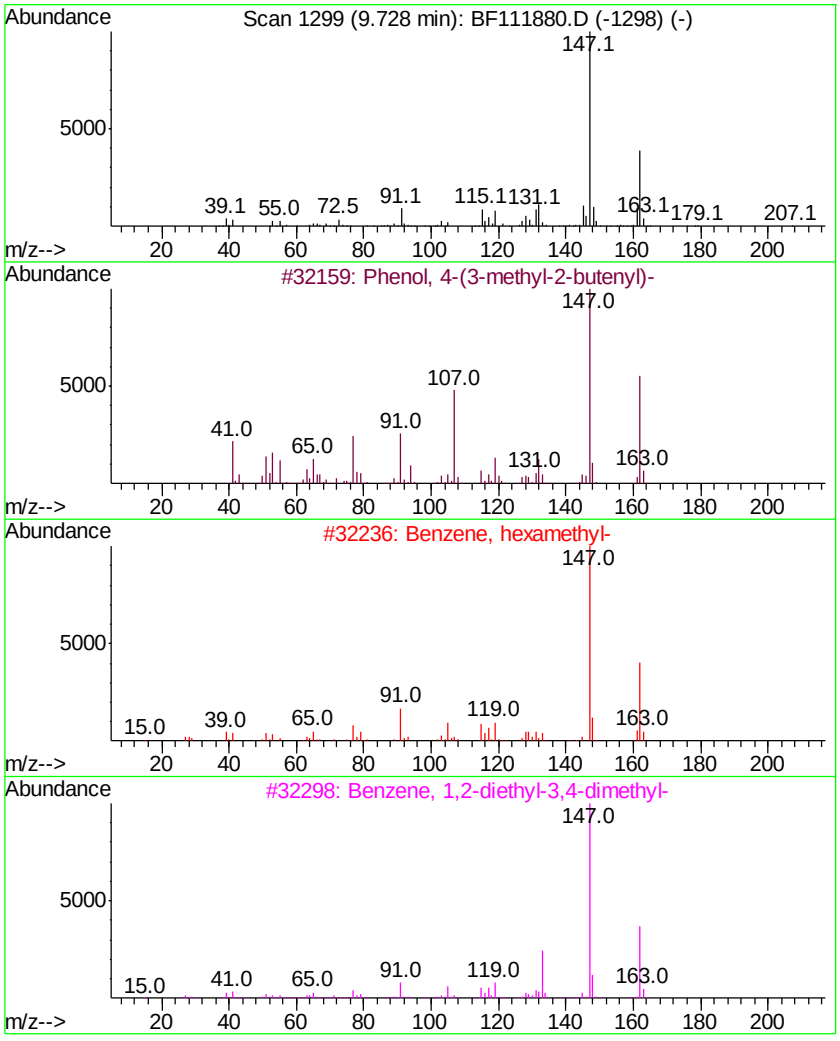
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

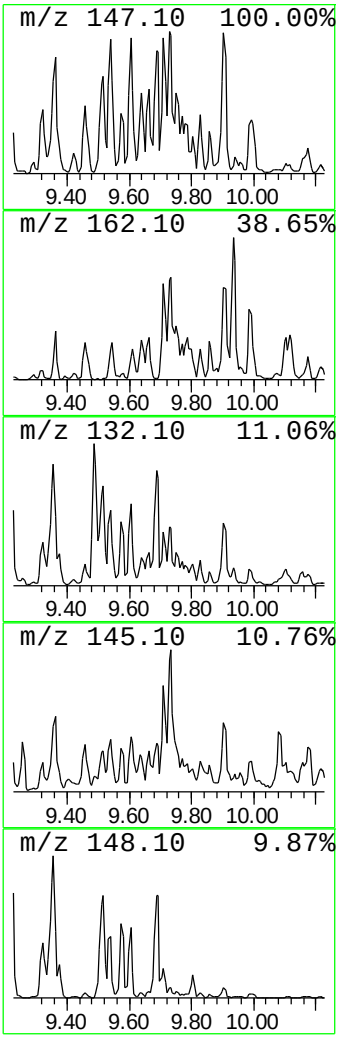
****

Peak Number 16 Phenol, 4-(3-methyl-2-buten... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	21.24 ng	960954	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(3-methyl-2-butenyl)-	162	C11H14O	001200-09-5	86
2	Benzene, hexamethyl-	162	C12H18	000087-85-4	83
3	Benzene, 1,2-diethyl-3,4-dimethyl-	162	C12H18	054410-75-2	72
4	Benzene, 1,2,4-trimethyl-5-(1-me...	162	C12H18	010222-95-4	72
5	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

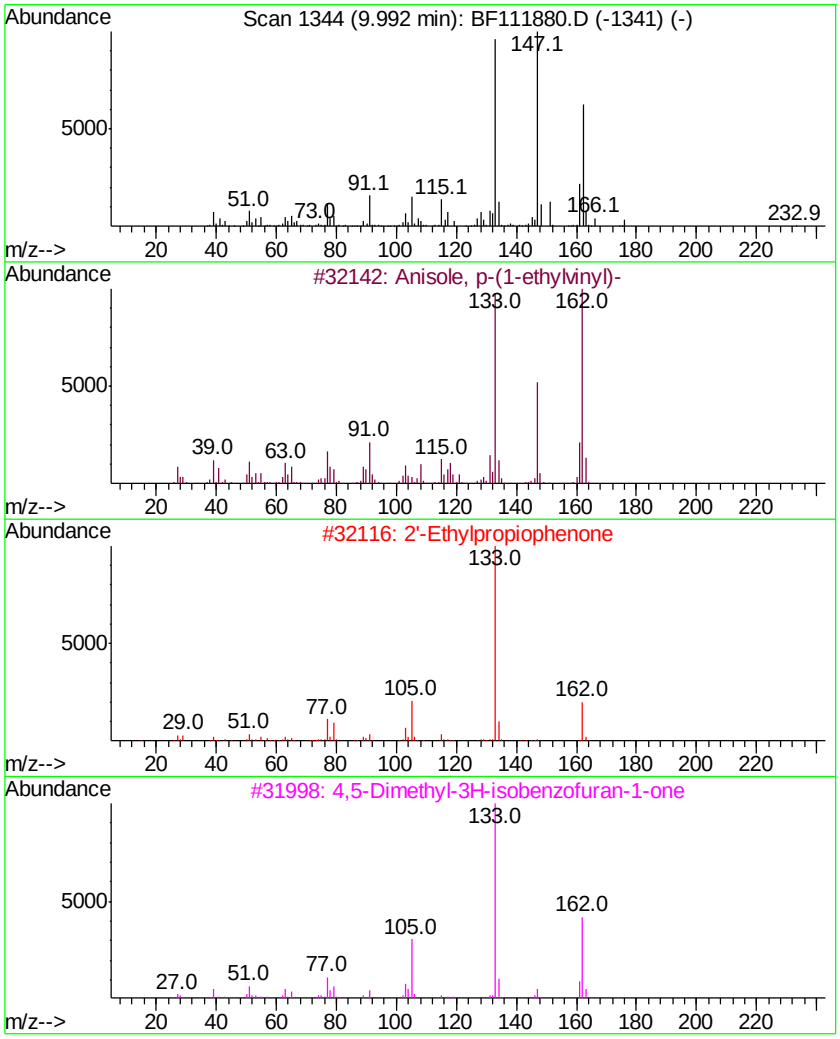
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

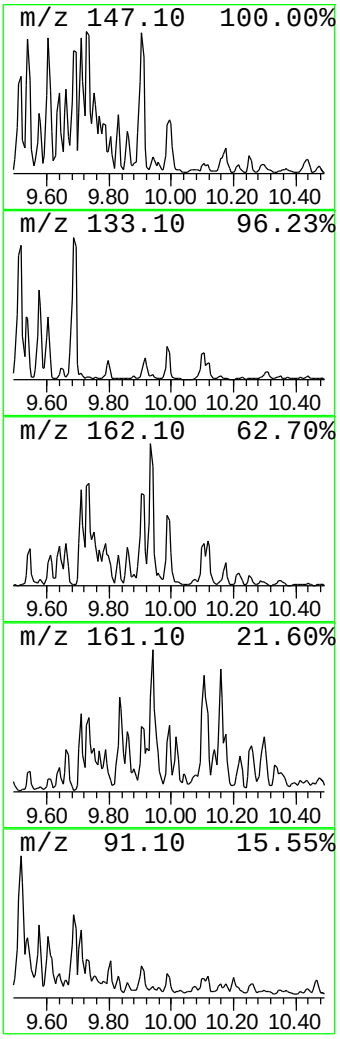
****

Peak Number 17 Anisole, p-(1-ethylvinyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	26.22 ng	1186140	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anisole, p-(1-ethylvinyl)-	162	C11H14O	021758-19-0	91
2	2'-Ethylpropiophenone	162	C11H14O	016819-79-7	64
3	4,5-Dimethyl-3H-isobenzofuran-1-one	162	C10H10O2	1000188-08-0	64
4	Benzene, 1-methoxy-4-(1-methyl-2...	162	C11H14O	018272-83-8	64
5	Benzene, 1,2-diethyl-3,4-dimethyl-	162	C12H18	054410-75-2	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

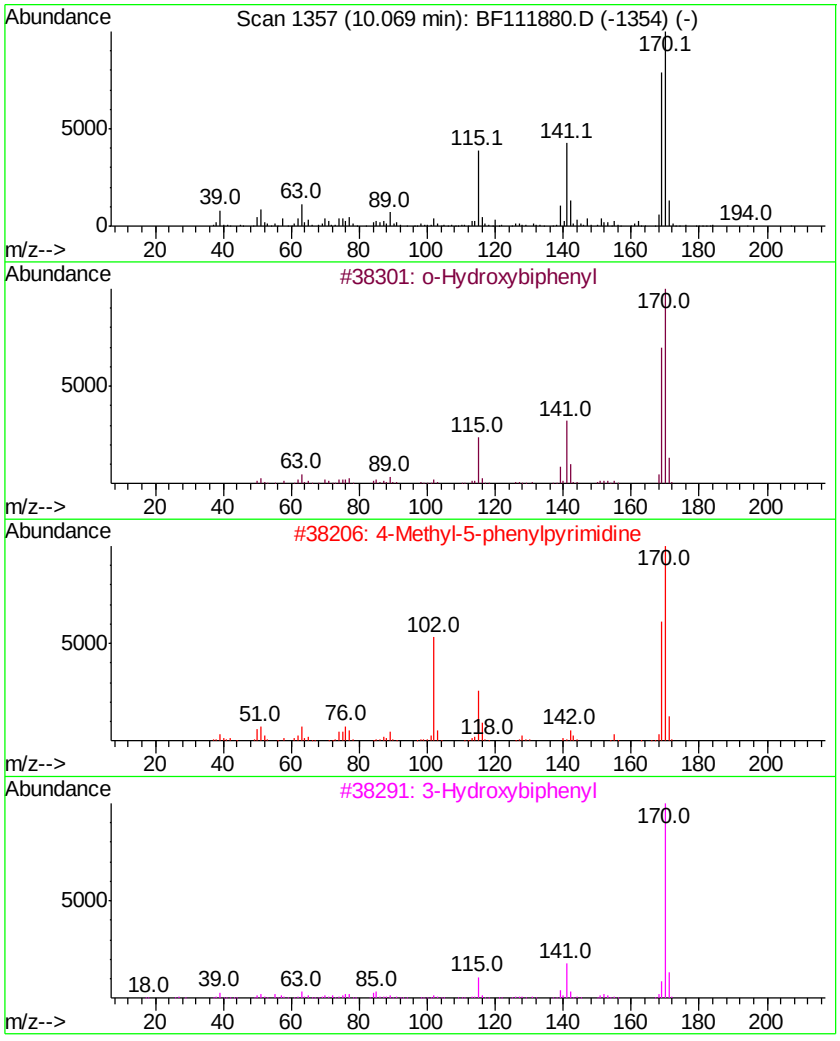
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

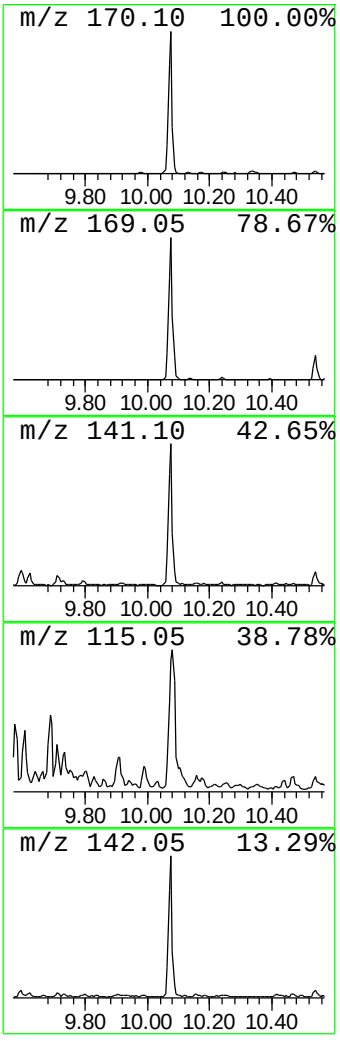
****

Peak Number 18 o-Hydroxybiphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	57.03 ng	2580450	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	95
2	4-Methyl-5-phenylpyrimidine	170	C11H10N2	057562-58-0	58
3	3-Hydroxybiphenyl	170	C12H10O	000580-51-8	58
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	53
5	4-Benzylpyridazine	170	C11H10N2	053074-22-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

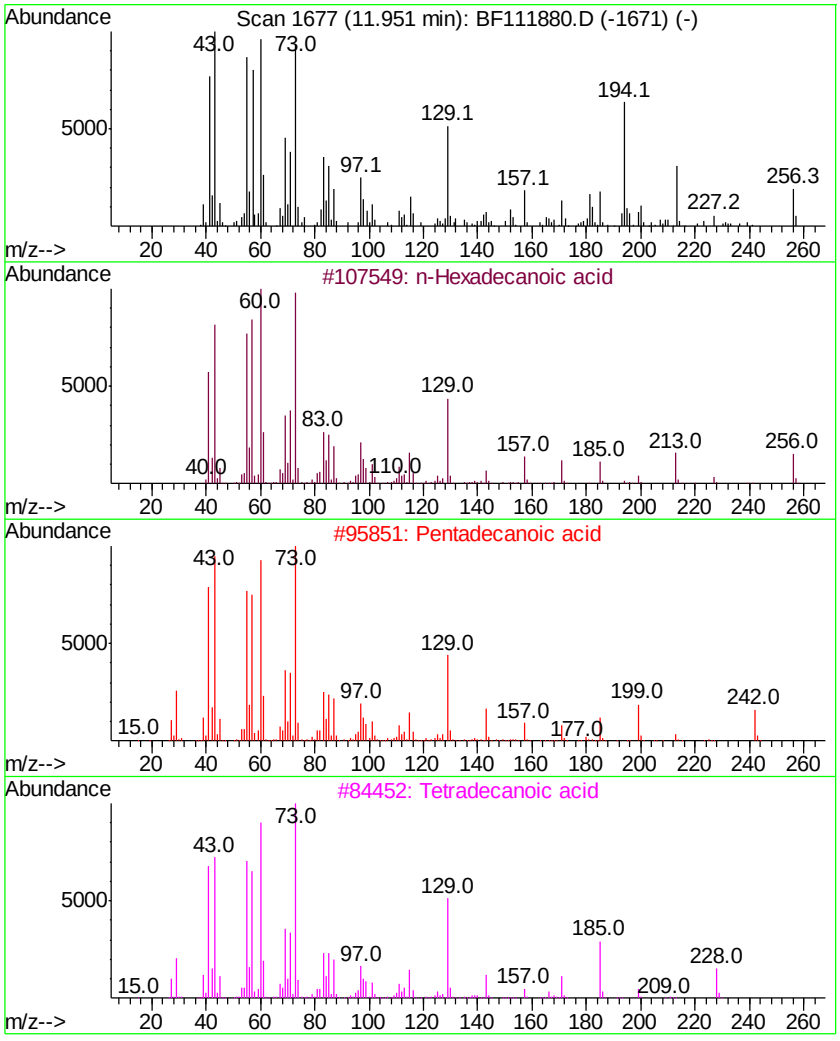
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

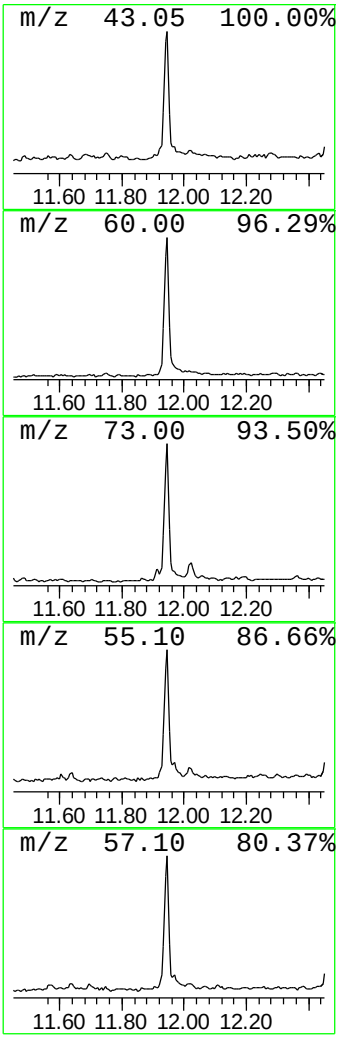
****

Peak Number 19 n-Hexadecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	19.91 ng	917723	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	78
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

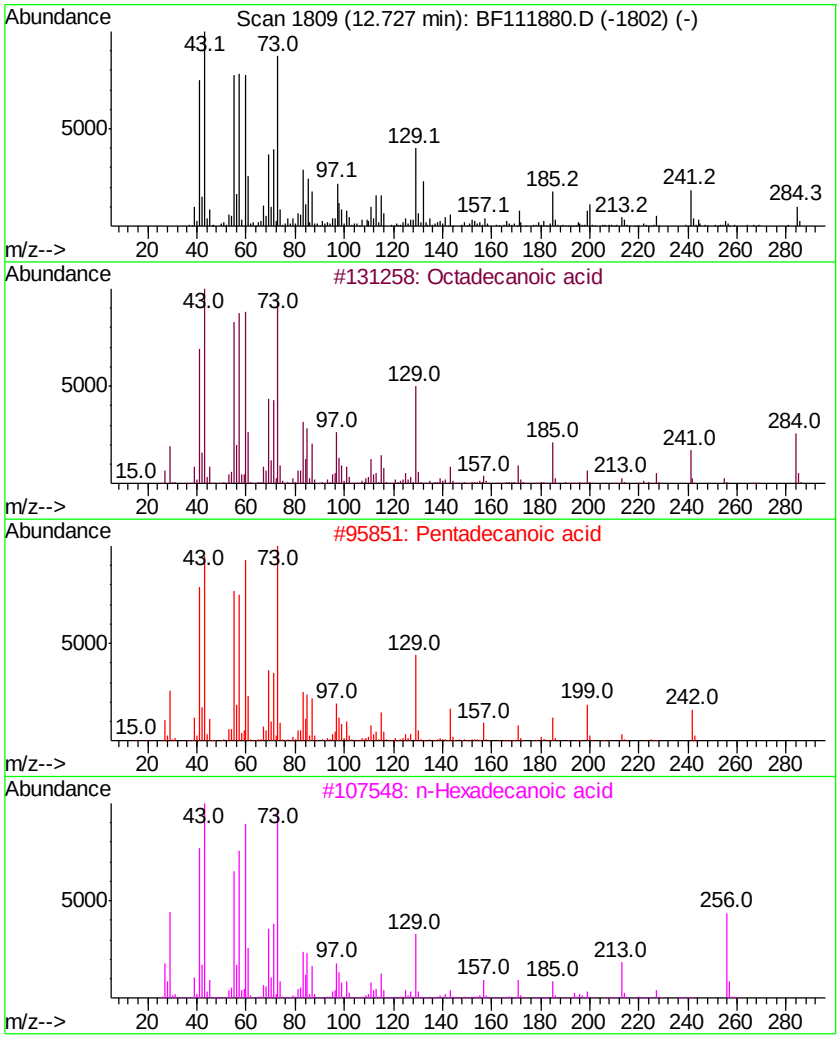
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

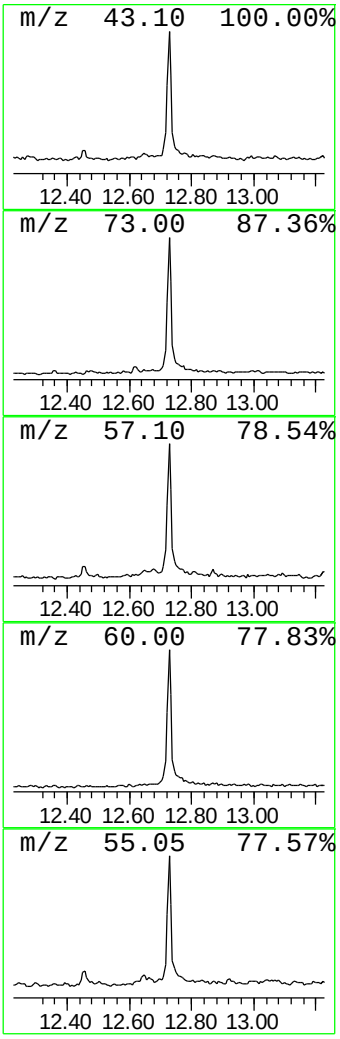
****

Peak Number 20 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	24.52 ng	1130340	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Dodecanoic acid	200	C12H24O2	000143-07-7	86
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010719\
Data File : BF111880.D
Acq On : 7 Jan 2019 16:59
Operator : JU/SJ
Sample : K1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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
unknown6.67	6.67	82.1	ng	4361680	1	6.89	1063070	20.0
Phenol, 3-ethyl-5...	8.58	56.0	ng	34560900	2	8.18	12347500	20.0
1H-Inden-5-ol, 2,...	9.09	112.5	ng	5089700	3	9.93	904893	20.0
p-Cresol	9.15	121.3	ng	5489770	3	9.93	904893	20.0
Benzene, 1-ethyl-...	9.18	86.2	ng	3898360	3	9.93	904893	20.0
6-Methyl-4-indanol	9.32	85.0	ng	3846560	3	9.93	904893	20.0
Ethanone, 1-(4-et...	9.36	255.3	ng	11551900	3	9.93	904893	20.0
Benzene, 1,2-diet...	9.54	45.5	ng	2056750	3	9.93	904893	20.0
Phenol, p-(2-meth...	9.57	53.4	ng	2414920	3	9.93	904893	20.0
1H-Inden-1-ol, 2,...	9.60	59.4	ng	2685320	3	9.93	904893	20.0
Benzene, hexamethyl-	9.71	36.4	ng	1646460	3	9.93	904893	20.0
Phenol, 4-(3-meth...	9.73	21.2	ng	960954	3	9.93	904893	20.0
Anisole, p-(1-eth...	9.99	26.2	ng	1186140	3	9.93	904893	20.0
o-Hydroxybiphenyl	10.07	57.0	ng	2580450	3	9.93	904893	20.0
n-Hexadecanoic acid	11.95	19.9	ng	917723	4	11.42	921993	20.0
Octadecanoic acid	12.73	24.5	ng	1130340	4	11.42	921993	20.0