LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

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-BF061918.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	2.425	12	15	26	rVB	35539	56147	1.70%	0.122%
2	3.554	202	207	217	rVB	39815	64511	1.95%	0.140%
3	4.507	364	369	379	rVB2	39716	70723	2.14%	0.153%
4	5.195	480	486	492	rBV	108142	127234	3.85%	0.276%
5	5.319	503	507	510	rBV	66995	81598	2.47%	0.177%
6	5.454	524	530	531	rBV4	47183	86626	2.62%	0.188%
7	5.607	553	556	560	rVB	1362951	1303570	39.43%	2.825%
8	5.766	579	583	586	rBV2	104452	115591	3.50%	0.250%
9	5.801	586	589	590	rVV	62481	71250	2.16%	0.154%
10	5.848	594	597	601	rVB2	50553	56486	1.71%	0.122%
11	6.266	665	668	673	rBV3	35705	52427	1.59%	0.114%
12	6.372	679	686	694	rVB4	115883	211866	6.41%	0.459%
13	6.625	719	729	732	rBV2	1678430	2677416	80.99%	5.801%
14	6.648	732	733	736	rVB	108091	62932	1.90%	0.136%
15	6.736	743	748	751	rBV	2111527	2269130	68.64%	4.917%
16	6.831	762	764	770	rVB4	64771	81364	2.46%	0.176%
17	6.960	782	786	789	rBV	794135	671264	20.31%	1.454%
18	7.013	792	795	799	rVV2	164365	202216	6.12%	0.438%
19	7.054	799	802	806	rVB3	123454	157306	4.76%	0.341%
20	7.119	806	813	816	rBV	2204757	2214653	66.99%	4.799%
21	7.178	821	823	825	rVV	62459	69100	2.09%	0.150%
22	7.219	828	830	833	rVB2	106056	95146	2.88%	0.206%
23	7.372	850	856	861	rBV2	362051	517176	15.64%	1.121%
24	7.436	864	867	870	rVB	120286	119014	3.60%	0.258%
25	7.525	872	882	885	rBV	1636586	2138701	64.70%	4.634%
26	7.554	885	887	892	rVB	712262	561027	16.97%	1.216%
27	7.642	896	902	905	rBV4	136733	252031	7.62%	0.546%
28	7.701	905	912	916	rBV3	244112	438957	13.28%	0.951%
29	7.736	916	918	921	rVB2	87896	81064	2.45%	0.176%
30	7.766	921	923	926	rVB3	104316	94531	2.86%	0.205%
31	7.831	929	934	936	rVB2	206111	305563	9.24%	0.662%
32	7.854	936	938	941	rVB3	89732	83839	2.54%	0.182%
33	7.901	941	946	951	rBV3	141210	210428	6.37%	0.456%
34	7.954	951	955	958	rBV2	356296	552269	16.71%	1.197%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.989	958	961	964	rVB	1314391	1124990	34.03%	2.438%
36	8.048	964	971	973	rBV5	294981	544432	16.47%	1.180%
37	8.148	982	988	992	rBV3	201566	283176	8.57%	0.614%
38	8.178	992	993	995	rVB	92437	57870	1.75%	0.125%
39	8.213	995	999	1001	rBV2	144113	184546	5.58%	0.400%
40	8.242	1001	1004	1006	rVV	915905	840506	25.43%	1.821%
41	8.266	1006	1008	1011	rVV2	1357508	1181672	35.75%	2.560%
42	8.331	1017	1019	1022	rVB2	107416	123932	3.75%	0.269%
43	8.395	1024	1030	1034	rBV4	376428	516607	15.63%	1.119%
44	8.436	1034	1037	1039	rBV3	94143	95291	2.88%	0.206%
45	8.478	1042	1044	1047	rBV3	118796	128937	3.90%	0.279%
46	8.595	1054	1064	1069	rVB	821598	1878461	56.82%	4.070%
47	8.648	1070	1073	1076	rVV4	110791	129263	3.91%	0.280%
48	8.695	1076	1081	1083	rVV4	220604	312260	9.45%	0.677%
49	8.725	1083	1086	1088	rVV3	198421	236763	7.16%	0.513%
50	8.748	1088	1090	1095	rVB3	288461	321292	9.72%	0.696%
51	8.807	1097	1100	1105	rVB4	220061	352829	10.67%	0.765%
52	8.848	1105	1107	1110	rBV4	92411	112282	3.40%	0.243%
53	8.878	1110	1112	1117	rVB4	122834	141226	4.27%	0.306%
54	8.919	1117	1119	1123	rVB4	160011	138569	4.19%	0.300%
55	8.966	1123	1127	1128	rBV3	130937	167140	5.06%	0.362%
56	9.001	1131	1133	1136	rVB3	189001	172819	5.23%	0.374%
57	9.083	1144	1147	1148	rBV	144874	104758	3.17%	0.227%
58	9.136	1153	1156	1159	rVB2	195691	202494	6.13%	0.439%
59	9.172	1159	1162	1167	rVB6	77904	112312	3.40%	0.243%
60	9.219	1167	1170	1172	rBV2	168081	215585	6.52%	0.467%
61	9.242	1172	1174	1176	rVB	183440	141622	4.28%	0.307%
62	9.283	1176	1181	1182	rBV4	133335	180836	5.47%	0.392%
63	9.319	1182	1187	1190	rVV	2926347	3305746	100.00%	7.163%
64	9.430	1203	1206	1208	rBV2	253674	254642	7.70%	0.552%
65	9.466	1208	1212	1214	rVV	551374	521781	15.78%	1.131%
66	9.530	1220	1223	1224	rBV3	63130	74160	2.24%	0.161%
67	9.601	1232	1235	1236	rBV2	95211	105014	3.18%	0.228%
68	9.654	1241	1244	1249	rVV4	226806	394822	11.94%	0.855%
69	9.713	1252	1254	1261	rVB	362170	403411	12.20%	0.874%
70	9.860	1276	1279	1282	rBV3	192993	200539	6.07%	0.435%
71	9.889	1282	1284	1286	rVV2	87380	93256	2.82%	0.202%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.925	1288	1290	1293	rVV	482945	425597	12.87%	0.922%
73	9.954	1293	1295	1299	rVV2	137830	162840	4.93%	0.353%
74	10.001	1299	1303	1306	rVV2	1055496	1024290	30.99%	2.219%
75	10.036	1306	1309	1312	rVB4	151590	157888	4.78%	0.342%
76	10.154	1324	1329	1331	rBV4	148305	239886	7.26%	0.520%
77	10.177	1331	1333	1335	rVV2	115955	100415	3.04%	0.218%
78	10.225	1338	1341	1343	rBV	114959	116766	3.53%	0.253%
79	10.313	1352	1356	1361	rVB	559860	645244	19.52%	1.398%
80	10.413	1371	1373	1375	rBV	118453	73878	2.23%	0.160%
81	10.760	1429	1432	1434	rBV2	117946	135692	4.10%	0.294%
82	10.807	1435	1440	1442	rVB	1815657	2101441	63.57%	4.553%
83	10.836	1442	1445	1448	rBV3	68324	80987	2.45%	0.175%
84	10.877	1448	1452	1458	rVV2	445843	538418	16.29%	1.167%
85	10.942	1460	1463	1465	rVB	210010	207231	6.27%	0.449%
86	10.966	1465	1467	1471	rBV2	95334	109368	3.31%	0.237%
87	11.036	1477	1479	1482	rBV2	103140	101259	3.06%	0.219%
88	11.495	1554	1557	1560	rBV	1103461	993326	30.05%	2.152%
89	11.607	1573	1576	1579	rBV	726179	625354	18.92%	1.355%
90	11.877	1619	1622	1625	rVB2	180755	158045	4.78%	0.342%
91	12.030	1644	1648	1651	rBV	460805	463821	14.03%	1.005%
92	12.113	1659	1662	1668	rVB2	232901	224720	6.80%	0.487%
93	12.495	1724	1727	1733	rVB2	225589	234510	7.09%	0.508%
94	12.807	1777	1780	1785	rBV	188850	198543	6.01%	0.430%
95	12.977	1806	1809	1812	rVB	483644	413145	12.50%	0.895%
96	13.083	1823	1827	1831	rBV	2584892	3003555	90.86%	6.508%
97	13.960	1973	1976	1983	rVB	479623	520691	15.75%	1.128%
98	14.148	2005	2008	2011	rBV	789256	672891	20.36%	1.458%
99	15.001	2150	2153	2157	rVB	162185	166922	5.05%	0.362%
100	15.689	2266	2270	2277	rVB	580010	745552	22.55%	1.615%

Sum of corrected areas: 46151272

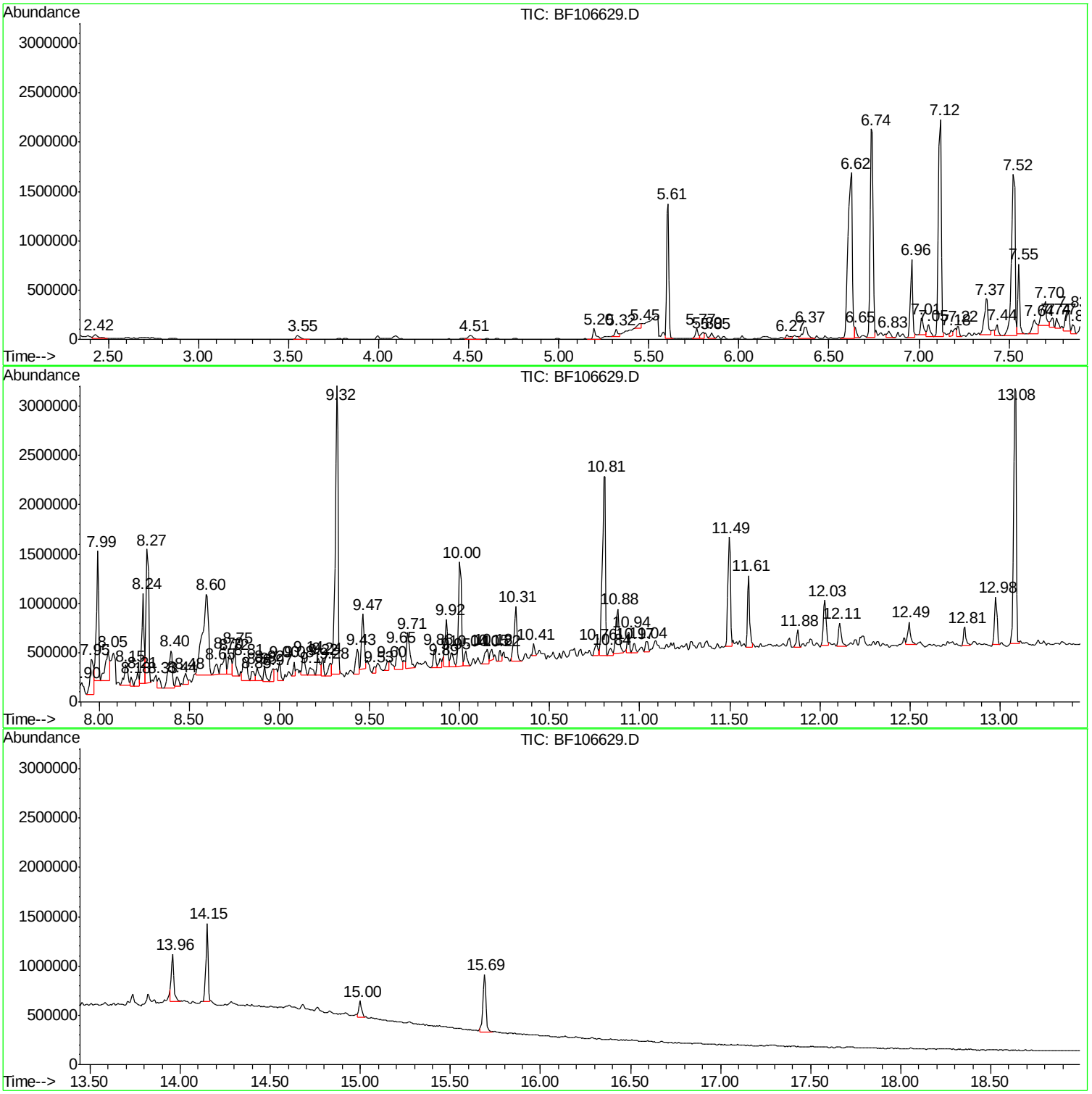
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

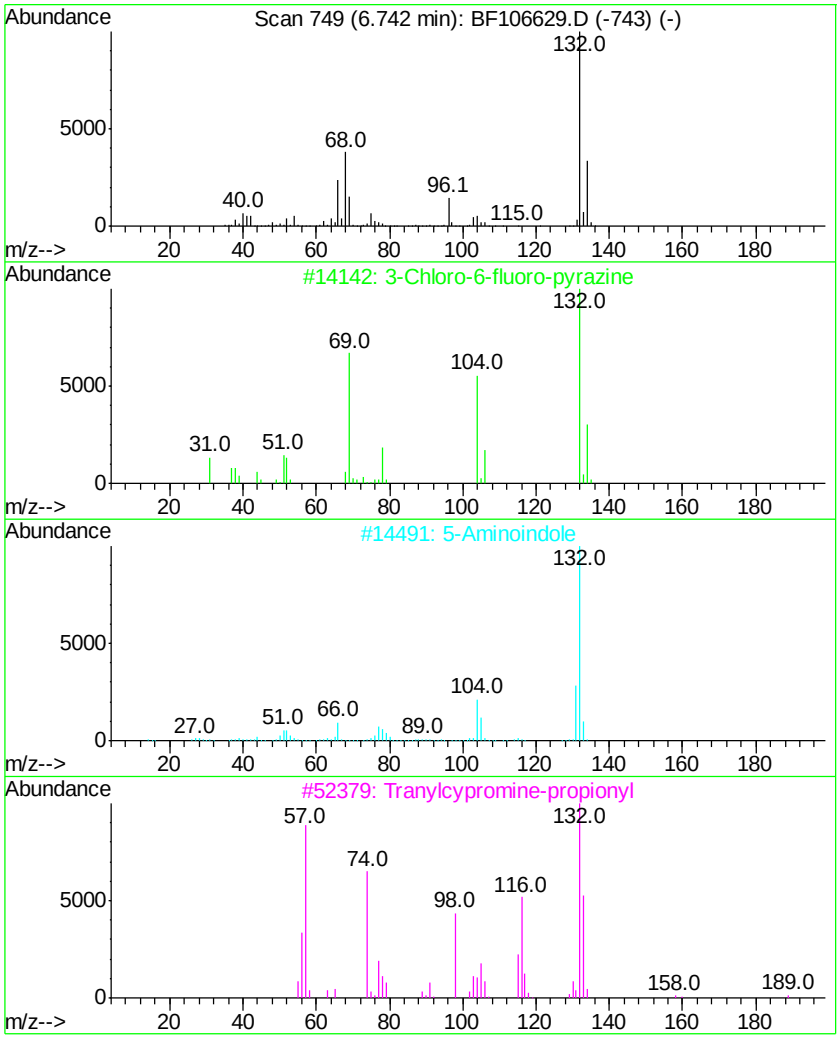
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

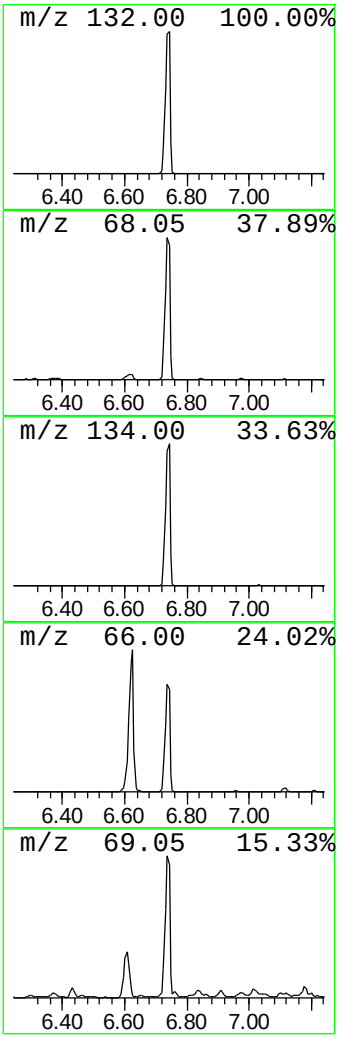
****

Peak Number 1 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	67.61 ng	2269130	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

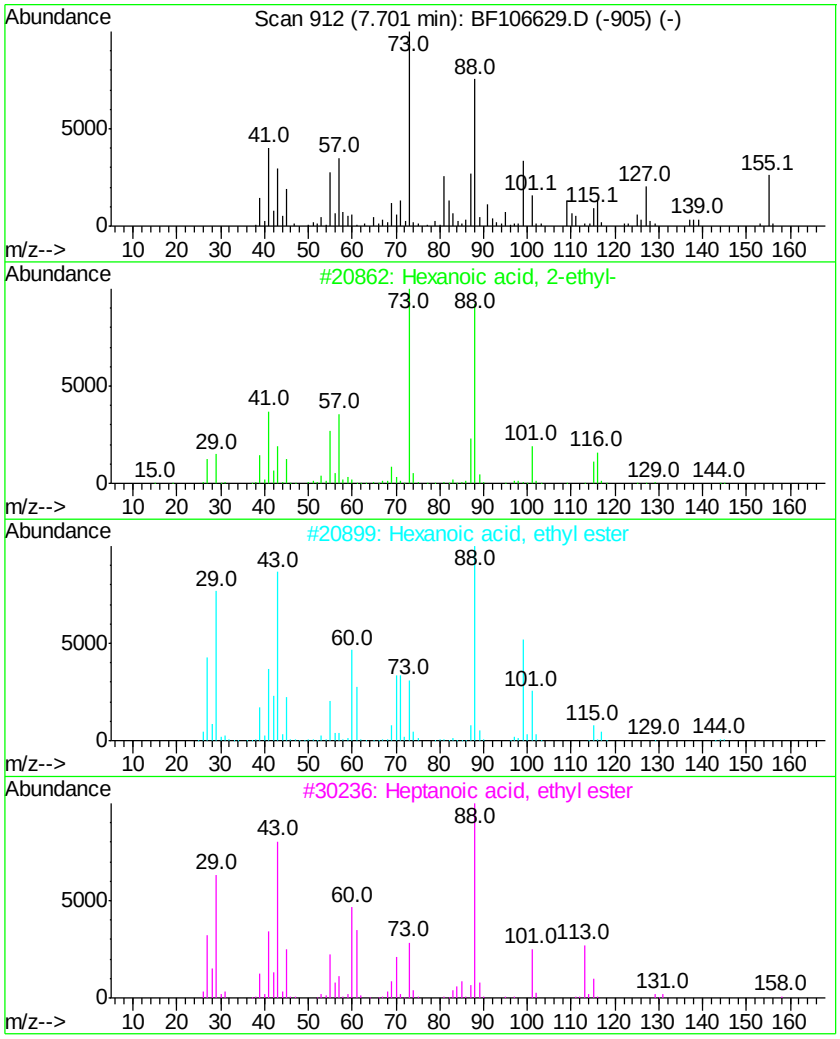
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

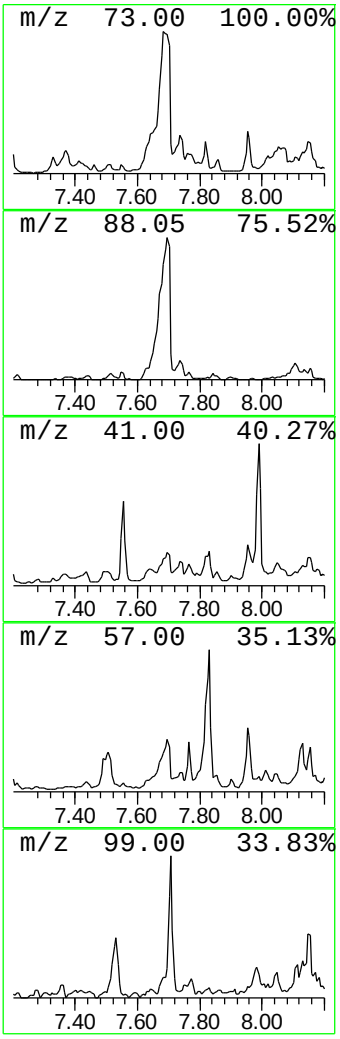
****

Peak Number 3 Hexanoic acid, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	10.45 ng	438957	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	52
2	Hexanoic acid, ethyl ester	144	C8H16O2	000123-66-0	43
3	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	37
4	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	37
5	Glycine, N-methoxycarbonyl-, und...	285	C15H27NO4	1000313-49-1	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

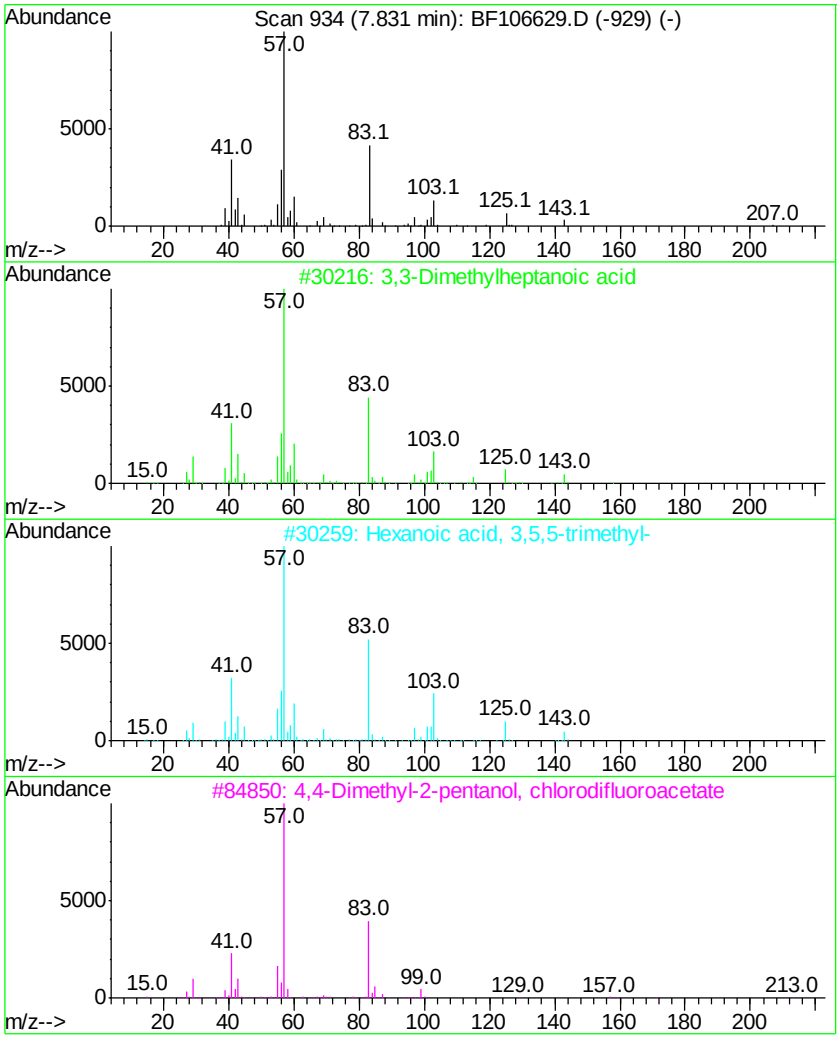
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

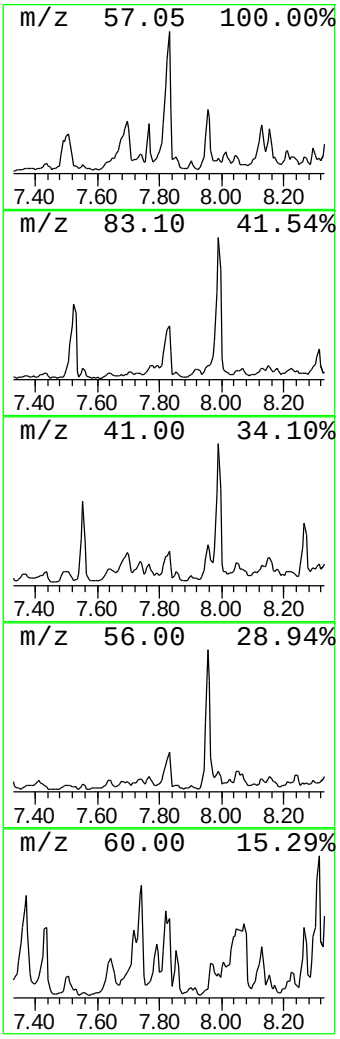
****

Peak Number 4 3,3-Dimethylheptanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	7.27 ng	305563	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3-Dimethylheptanoic acid	158	C9H18O2	067061-30-7	58
2	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	50
3	4,4-Dimethyl-2-pentanol, chlorod...	228	C9H15ClF2O2	1000376-27-0	43
4	2,2-Dimethylpropionic acid, trid...	284	C18H36O2	105859-93-6	25
5	Propanoic acid, 2,2-dimethyl-, h...	200	C12H24O2	017660-61-6	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

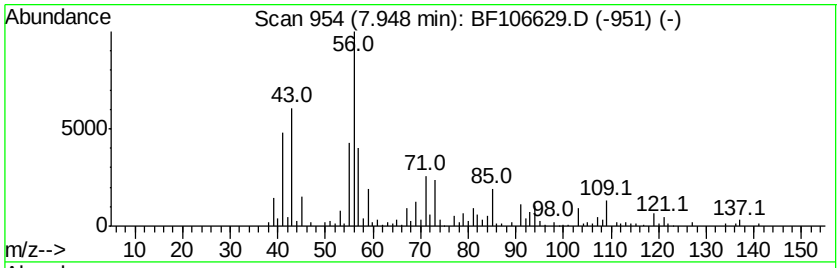
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

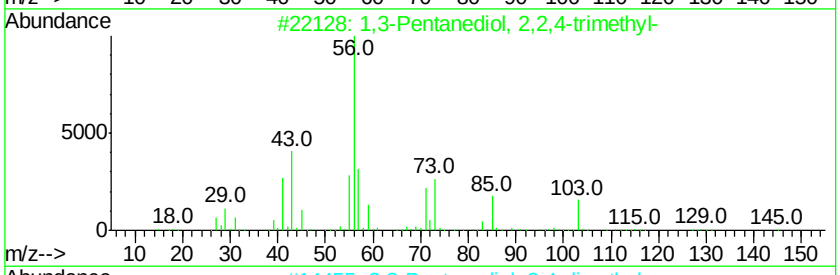
****

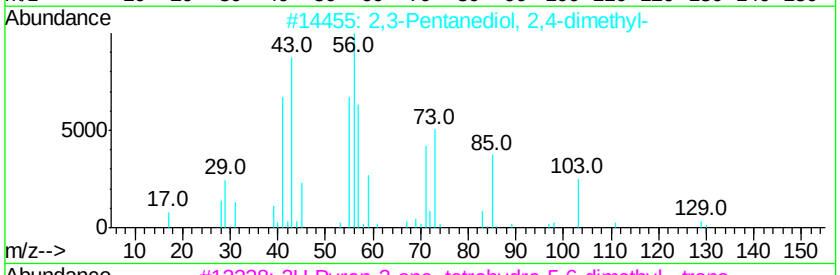
Peak Number 5 1,3-Pentanediol, 2,2,4-trim... Concentration Rank 6

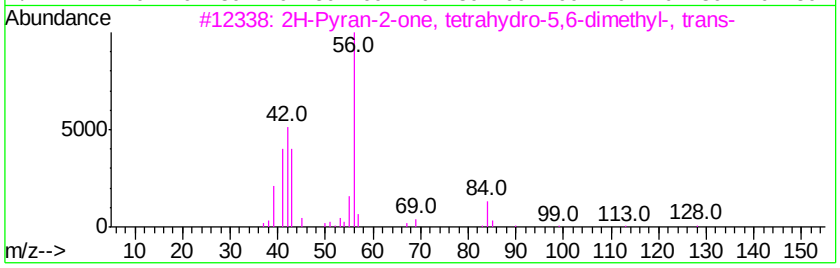
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	13.14 ng	552269	Naphthalene-d8	8.24

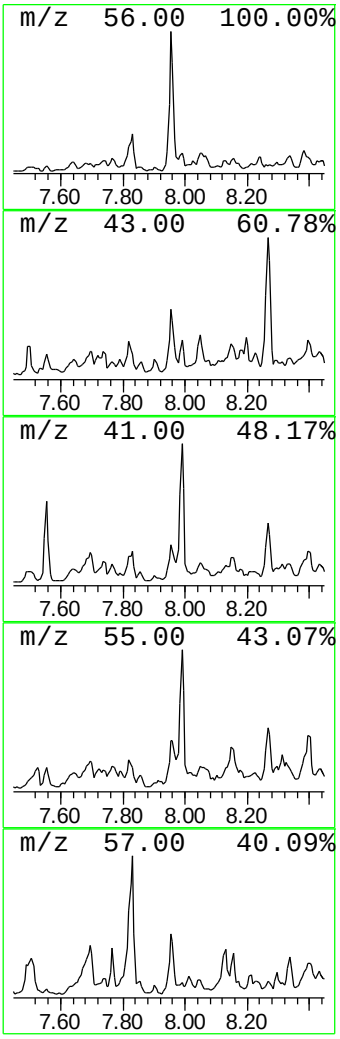
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	72
2	2,3-Pentanediol, 2,4-dimethyl-	132	C7H16O2	066225-53-4	43
3	2H-Pyran-2-one, tetrahydro-5,6-d...	128	C7H12O2	024405-16-1	35
4	5-Methyl-2-hexanol, trifluoroace...	212	C9H15F3O2	1000364-20-2	25
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	25











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

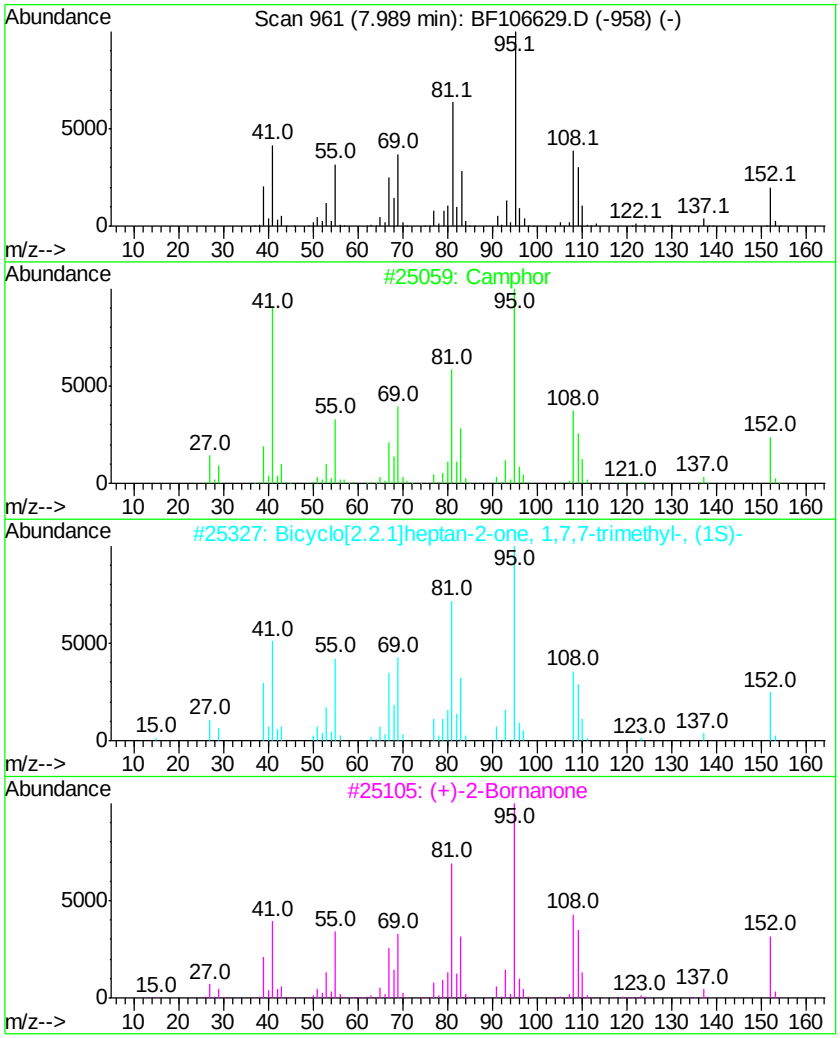
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

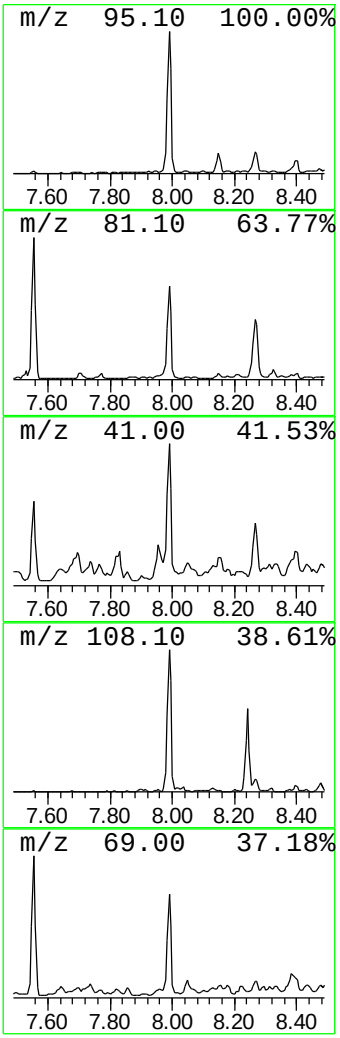
****

Peak Number 6 Camphor Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	26.77 ng	1124990	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	98
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	97
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
4	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	49
5	Bicyclo[3.1.0]hexan-2-one, 4-met...	152	C10H16O	002506-61-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

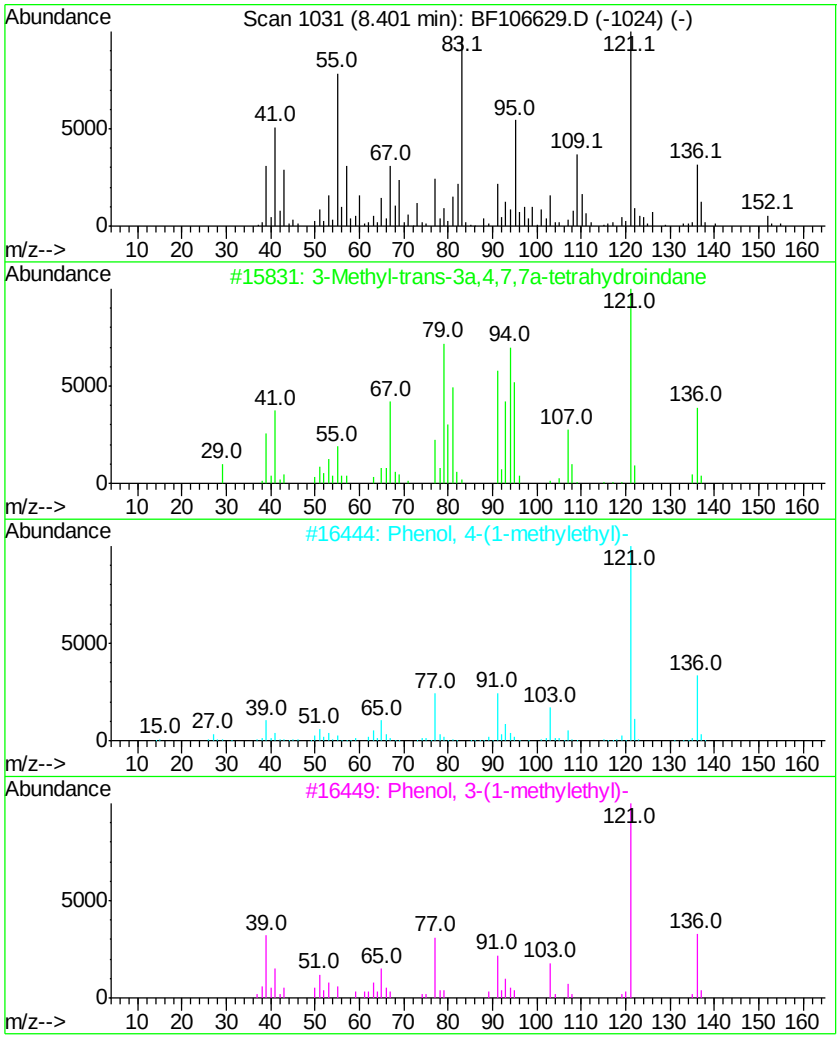
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

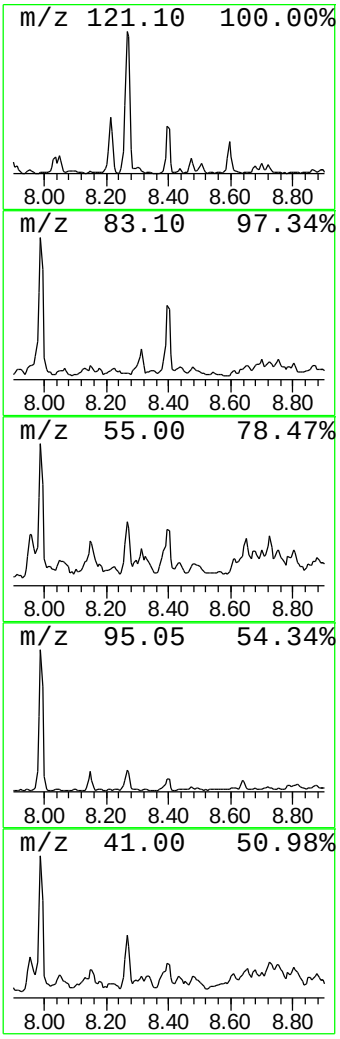
****

Peak Number 7 unknown8.40 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	12.29 ng	516607	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-trans-3a,4,7,7a-tetrahy...	136	C10H16	1000145-84-3	46
2	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	42
3	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	38
4	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	38
5	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

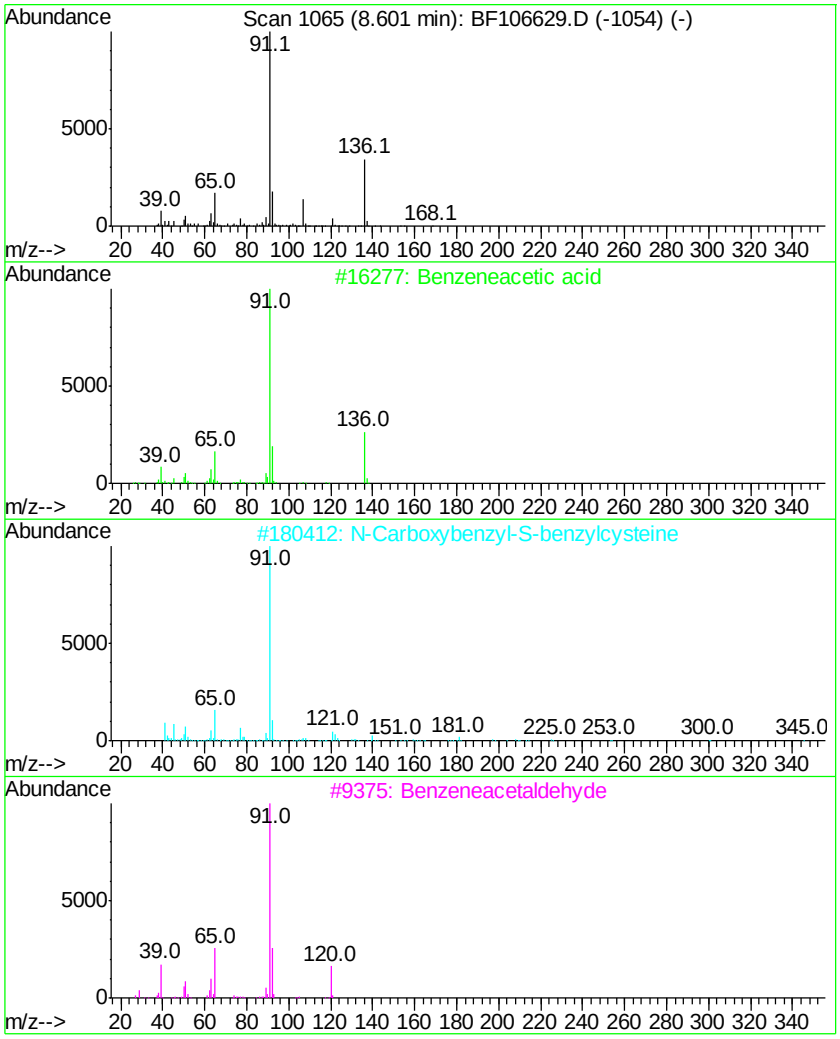
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

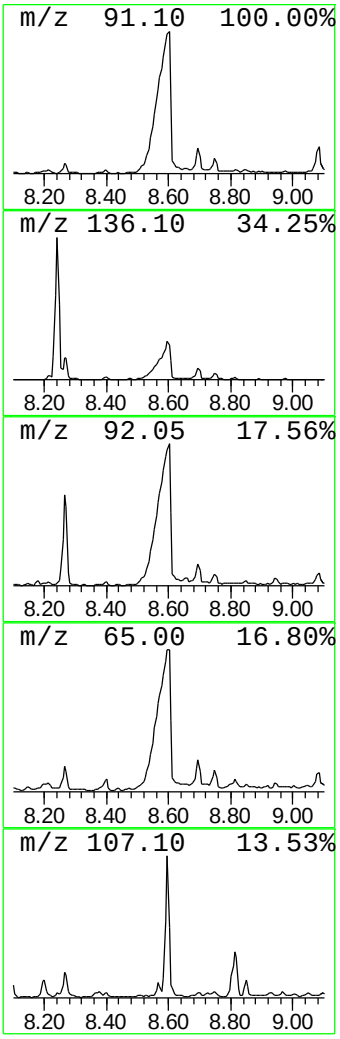
****

Peak Number 8 Benzeneacetic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	44.70 ng	1878460	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	76
2	N-Carboxybenzyl-S-benzylcysteine	345	C18H19NO4S	005619-12-5	35
3	Benzeneacetaldehyde	120	C8H8O	000122-78-1	27
4	Benzyl 2-chloroethyl sulfone	218	C9H11ClO2S	066998-67-2	27
5	Hydrazinecarboxylic acid, phenyl...	166	C8H10N2O2	005331-43-1	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

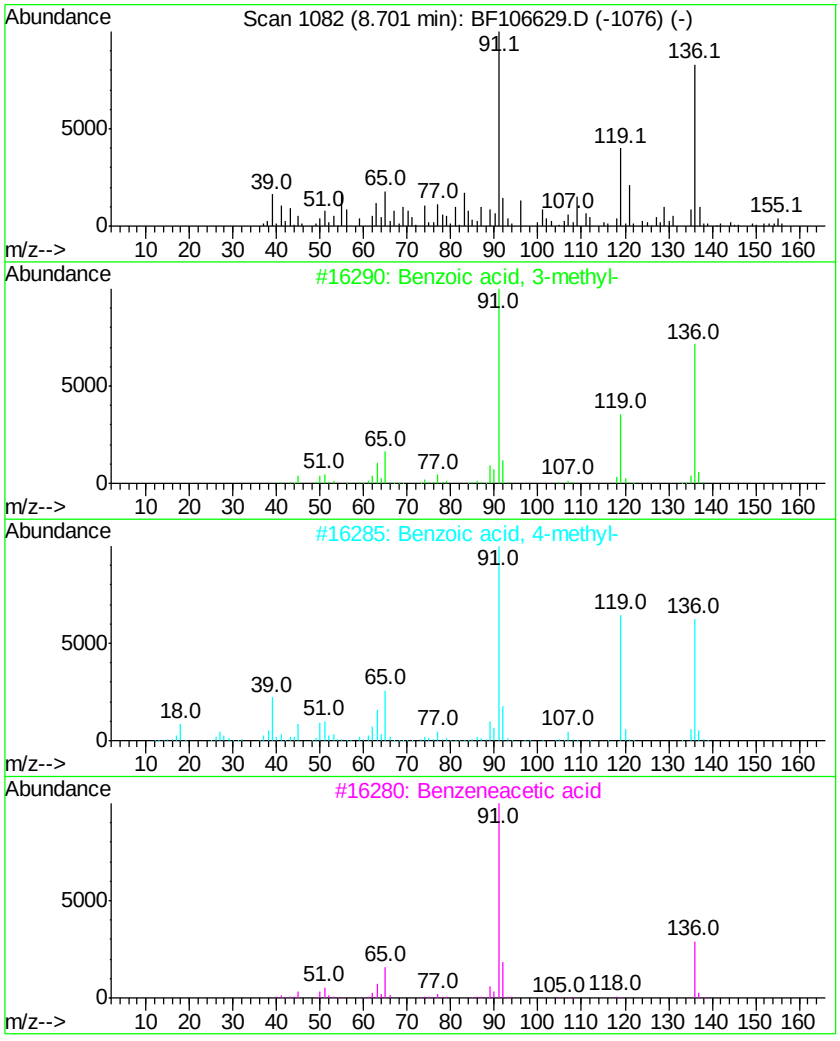
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

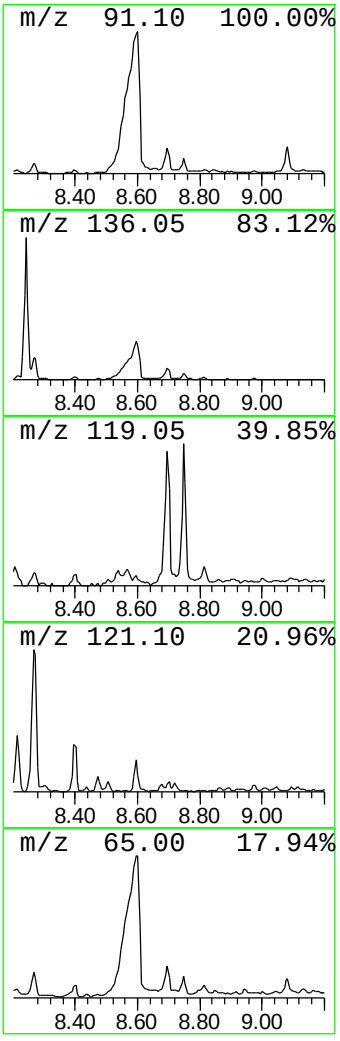
****

Peak Number 9 Benzoic acid, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	7.43 ng	312260	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	94
2	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	89
3	Benzeneacetic acid	136	C8H8O2	000103-82-2	70
4	p-Methylbenzeneboronic acid	136	C7H9BO2	005720-05-8	52
5	Benzaldehyde, 3-amino-, oxime	136	C7H8N2O	002835-66-7	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

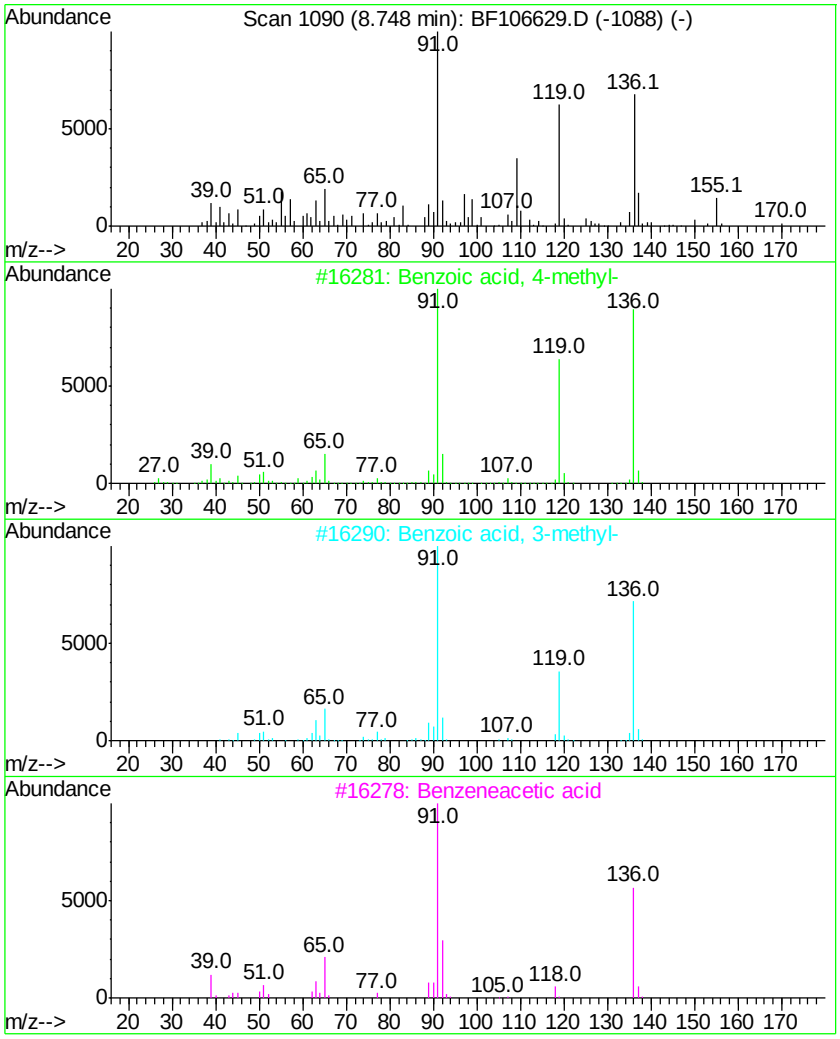
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

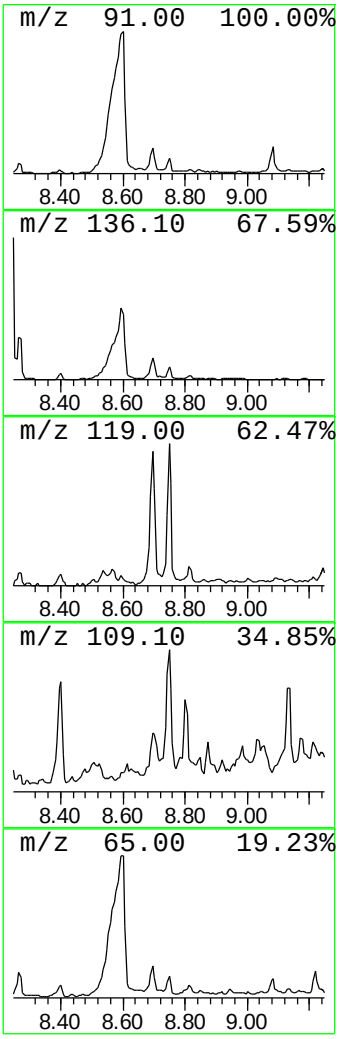
****

Peak Number 10 Benzoic acid, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	7.65 ng	321292	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	70
2	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	55
3	Benzeneacetic acid	136	C8H8O2	000103-82-2	42
4	m-Toluamide	135	C8H9NO	000618-47-3	30
5	Thiocyanic acid 3-pyridyl ester	136	C6H4N2S	002645-25-2	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

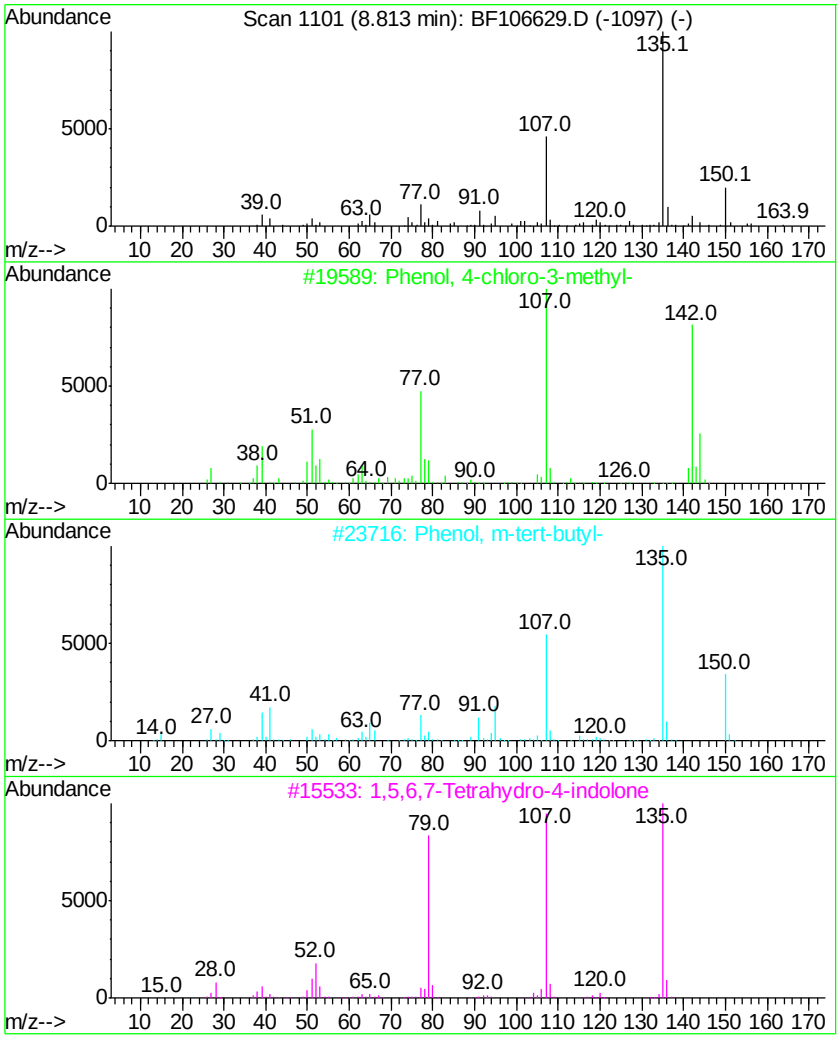
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

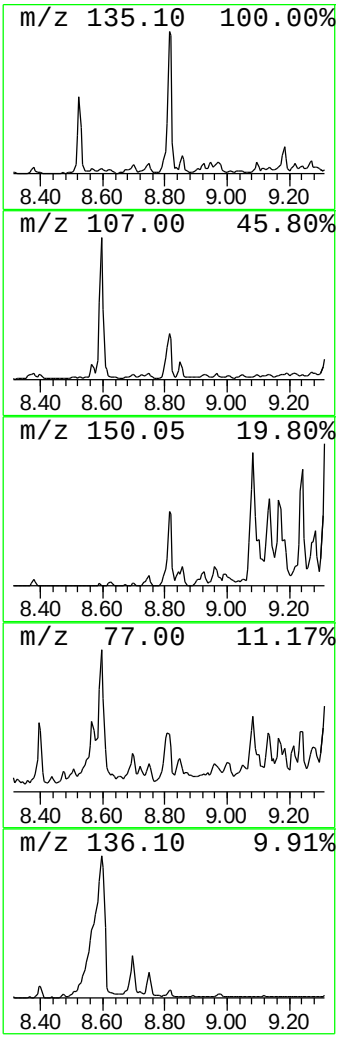
****

Peak Number 11 Phenol, 4-chloro-3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	8.40 ng	352829	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-chloro-3-methyl-	142	C7H7ClO	000059-50-7	83
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	46
3	1,5,6,7-Tetrahydro-4-indolone	135	C8H9NO	013754-86-4	45
4	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	42
5	Phenol, 2-chloro-4-methyl-	142	C7H7ClO	006640-27-3	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

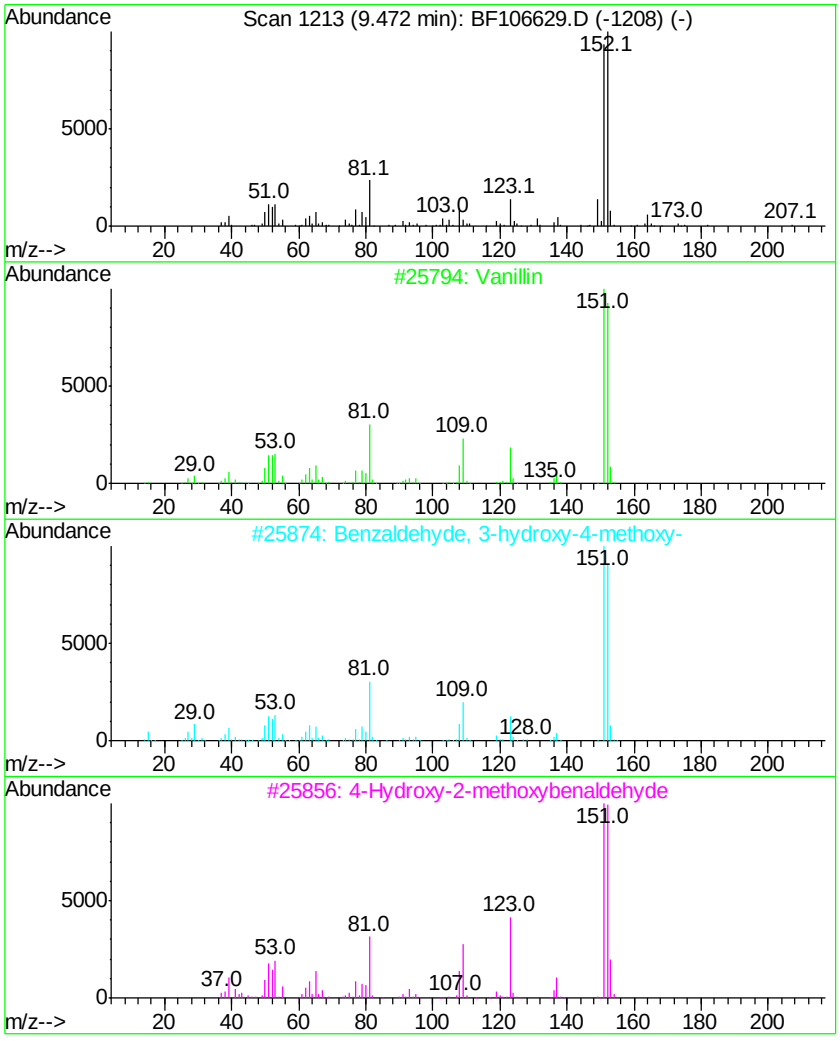
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

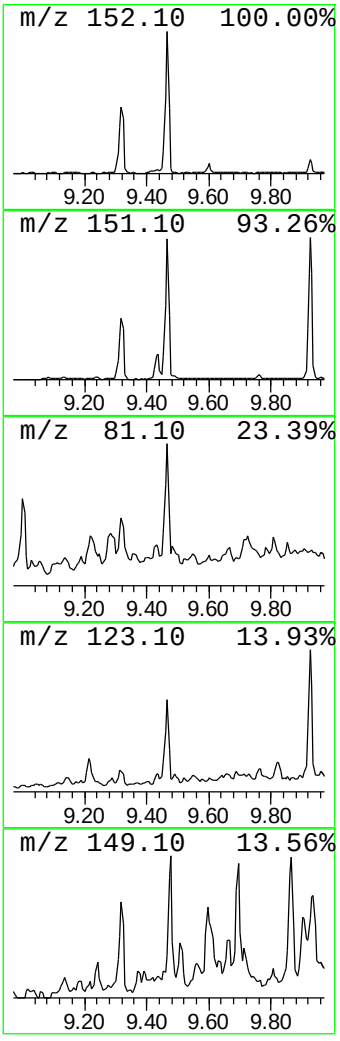
****

Peak Number 12 Vanillin Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	10.19 ng	521781	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	96
2	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	93
3	4-Hydroxy-2-methoxybenaldehyde	152	C8H8O3	018278-34-7	87
4	Vanillin lactoside	476	C20H28O13	1000129-94-7	78
5	Benzaldehyde, 4-(methylthio)-	152	C8H8OS	003446-89-7	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

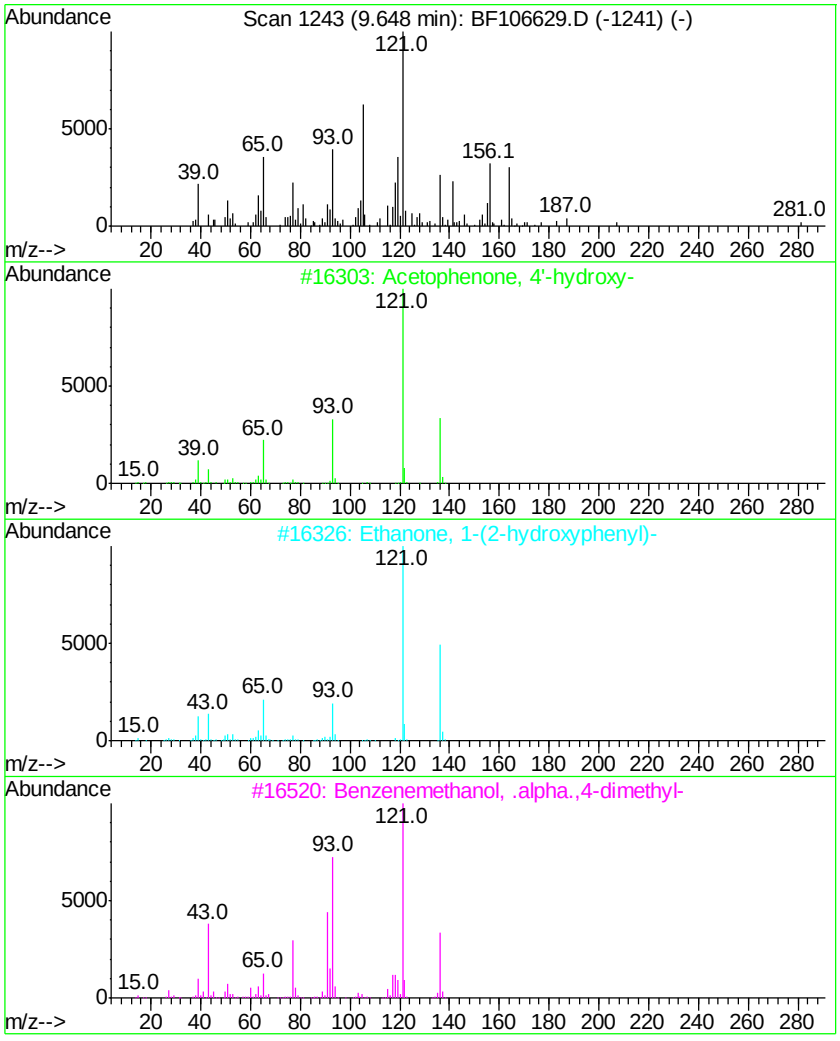
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

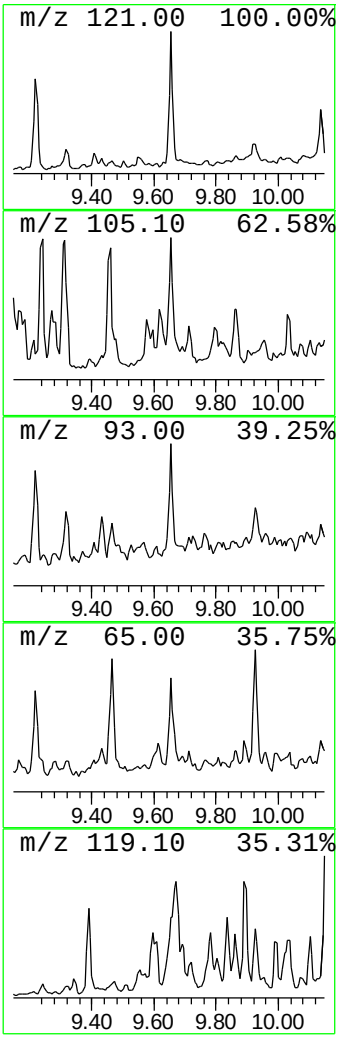
****

Peak Number 13 Acetophenone, 4'-hydroxy- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	7.71 ng	394822	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetophenone, 4'-hydroxy-	136	C8H8O2	000099-93-4	50
2	Ethanone, 1-(2-hydroxyphenyl)-	136	C8H8O2	000118-93-4	50
3	Benzenemethanol, .alpha.,4-dimet...	136	C9H12O	000536-50-5	49
4	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	46
5	1,3-Cyclohexadiene, 1,5,5,6-tetr...	136	C10H16	000514-94-3	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

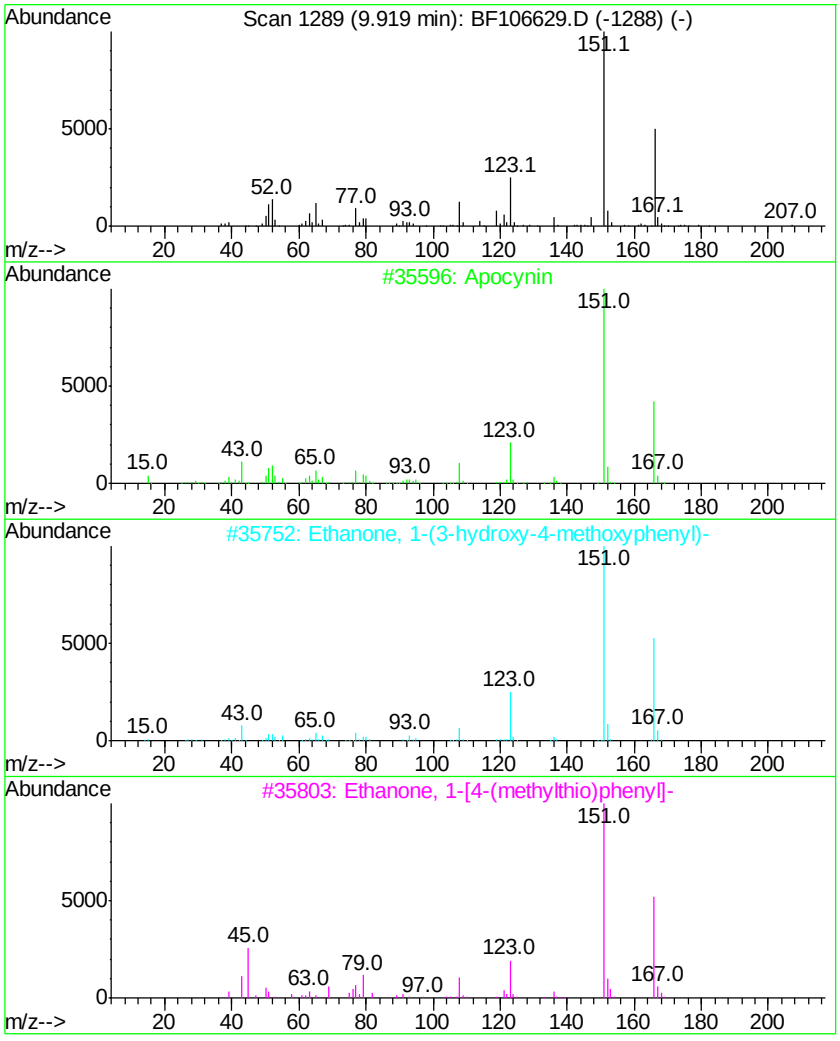
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

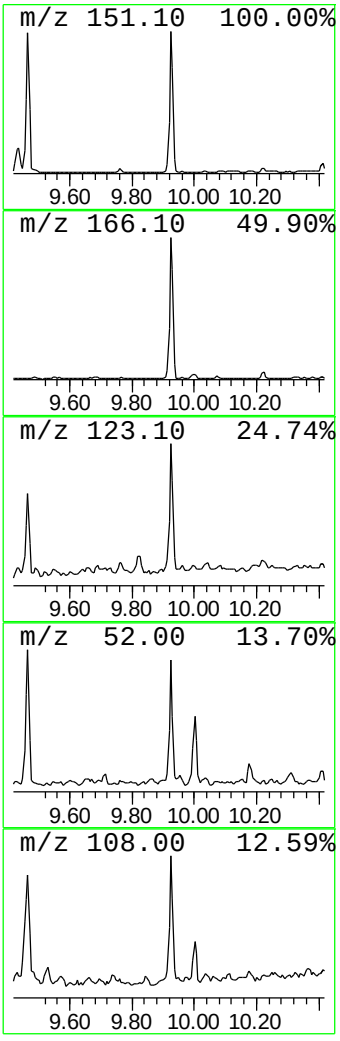
****

Peak Number 14 Apocynin Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	8.31 ng	425597	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Apocynin	166	C9H10O3	000498-02-2	96
2	Ethanone, 1-(3-hydroxy-4-methoxy...	166	C9H10O3	006100-74-9	87
3	Ethanone, 1-[4-(methylthio)phenyl]-	166	C9H10OS	001778-09-2	86
4	Phenol, 5-methoxy-2,3,4-trimethyl-	166	C10H14O2	034883-02-8	78
5	Ethanone, 1-(2-hydroxy-6-methoxy...	166	C9H10O3	000703-23-1	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

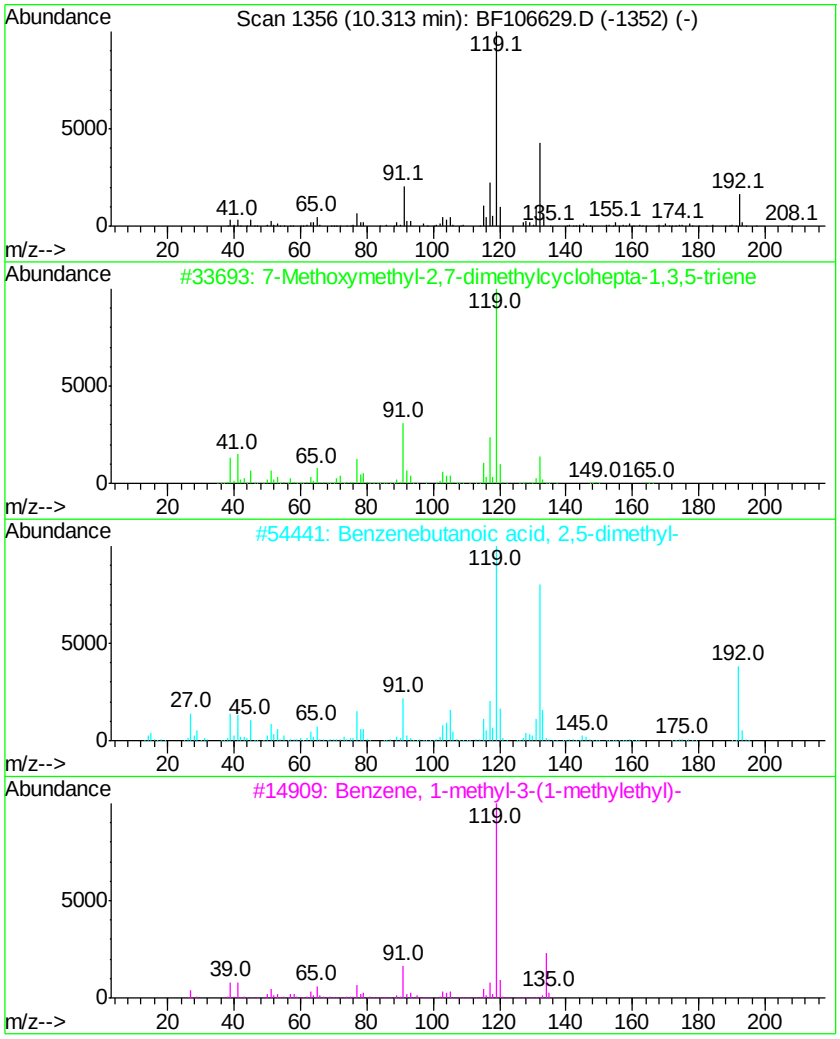
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

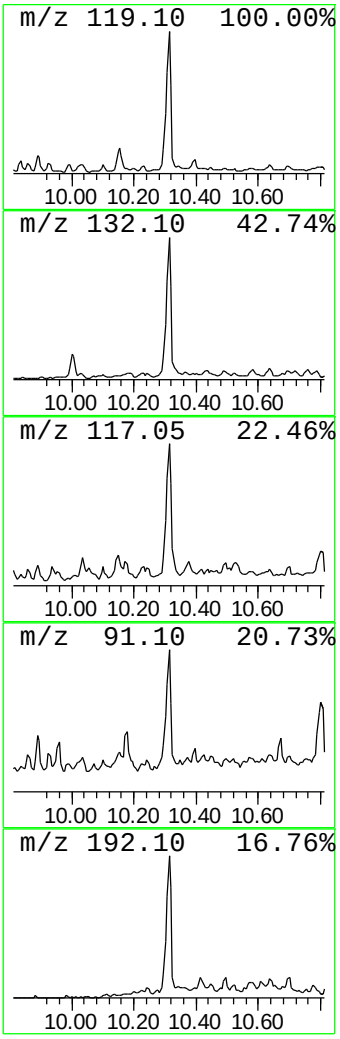
****

Peak Number 15 7-Methoxymethyl-2,7-dimethy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	12.60 ng	645244	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	53
2	Benzenebutanoic acid, 2,5-dimethyl-	192	C12H16O2	001453-06-1	52
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43
4	p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	38
5	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

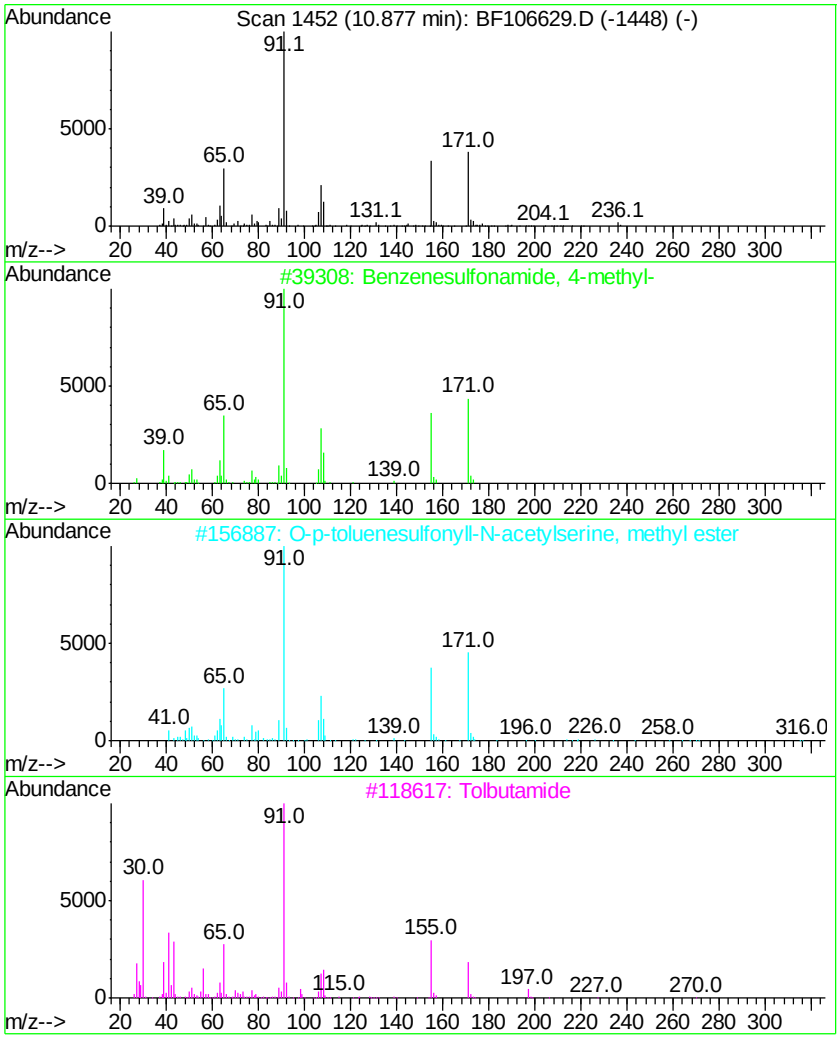
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

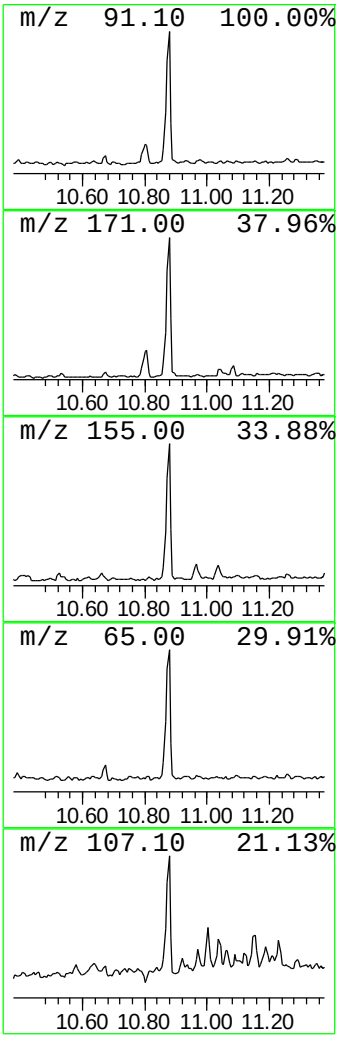
****

Peak Number 16 Benzenesulfonamide, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	10.84 ng	538418	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, 4-methyl-	171	C7H9NO2S	000070-55-3	98
2	O-p-toluenesulfonyll-N-acetylser...	315	C13H17NO6S	1000126-44-8	83
3	Tolbutamide	270	C12H18N2O3S	000064-77-7	64
4	p-Toluenesulfonic acid n-propyl ...	214	C10H14O3S	000599-91-7	53
5	Benzenemethanesulfonamide	171	C7H9NO2S	004563-33-1	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

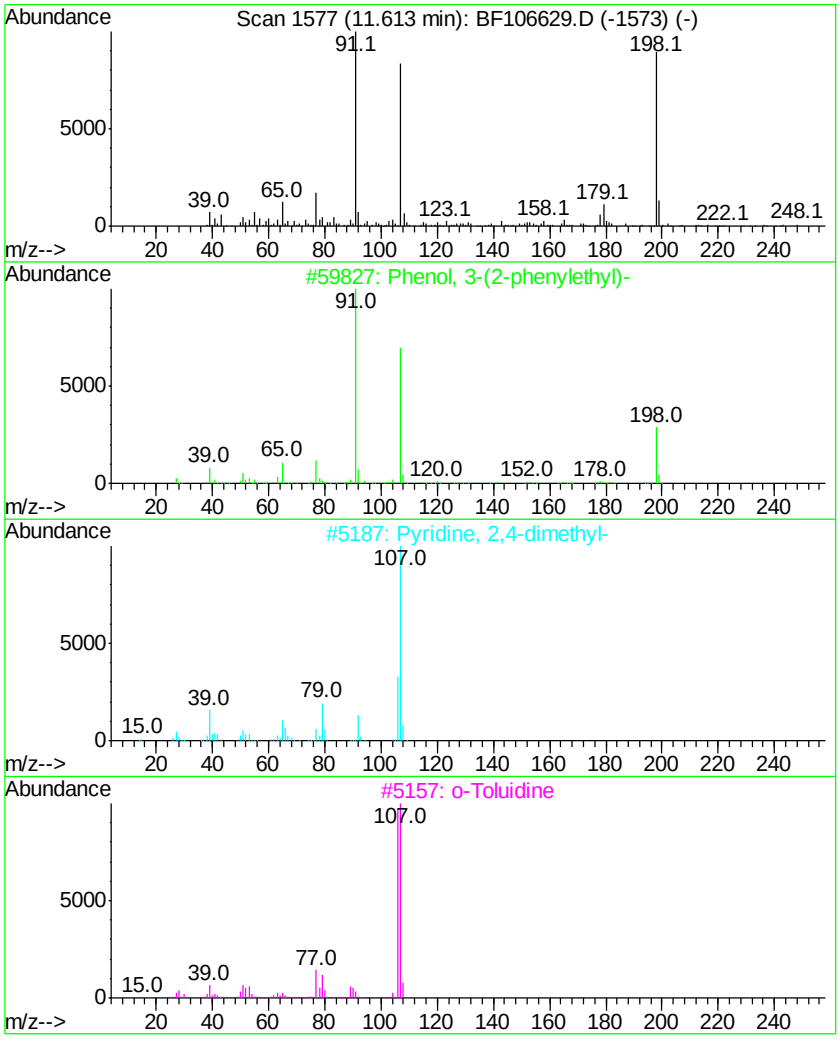
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

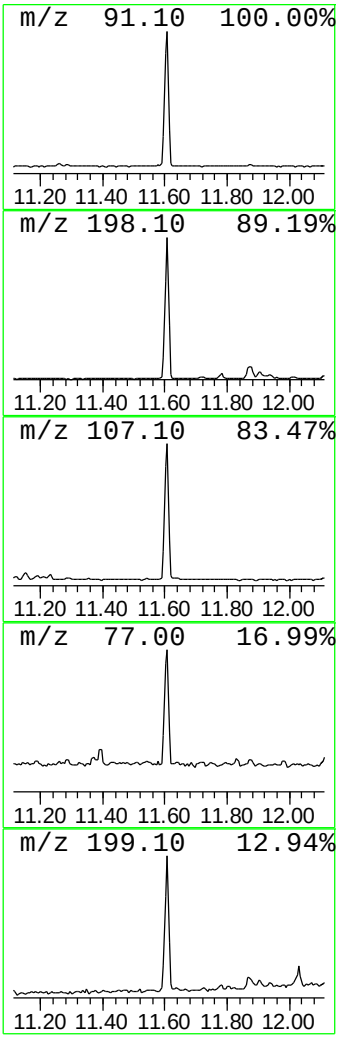
****

Peak Number 17 Phenol, 3-(2-phenylethyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	12.59 ng	625354	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethyl)-	198	C14H14O	033675-75-1	95
2	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	43
3	o-Toluidine	107	C7H9N	000095-53-4	38
4	Ethyl mandelate	180	C10H12O3	000774-40-3	38
5	Benzeneacetic acid, 4-hydroxy-	152	C8H8O3	000156-38-7	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

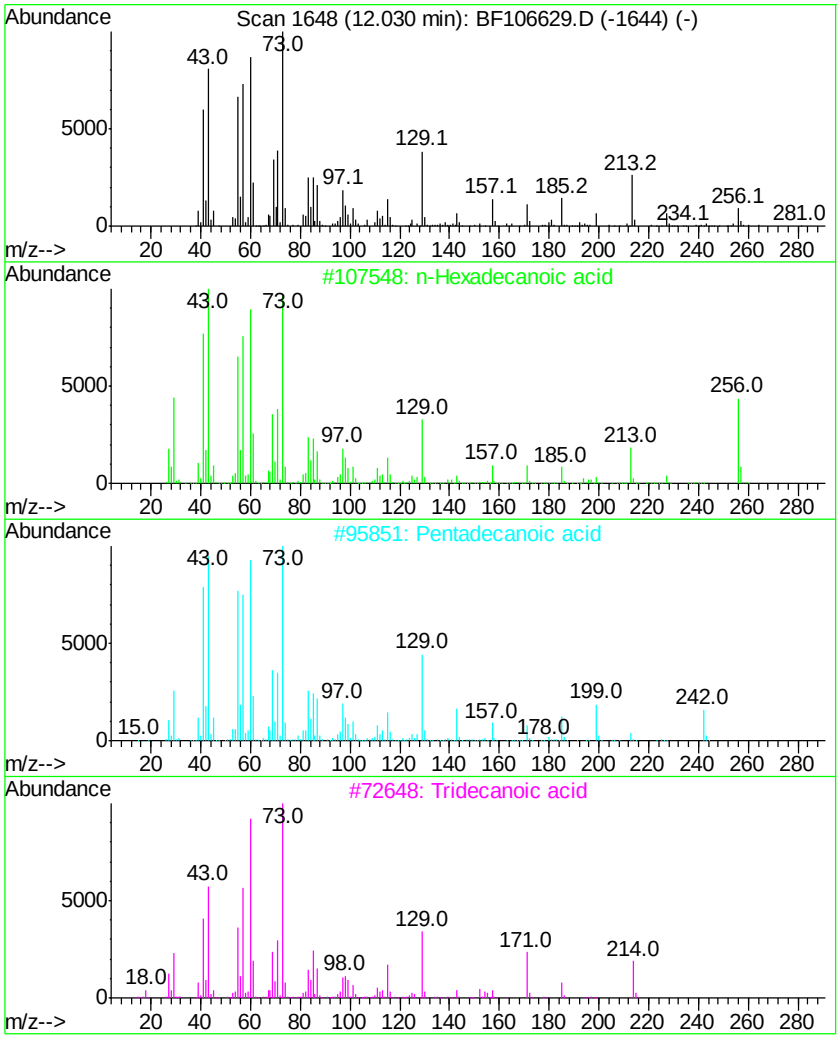
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

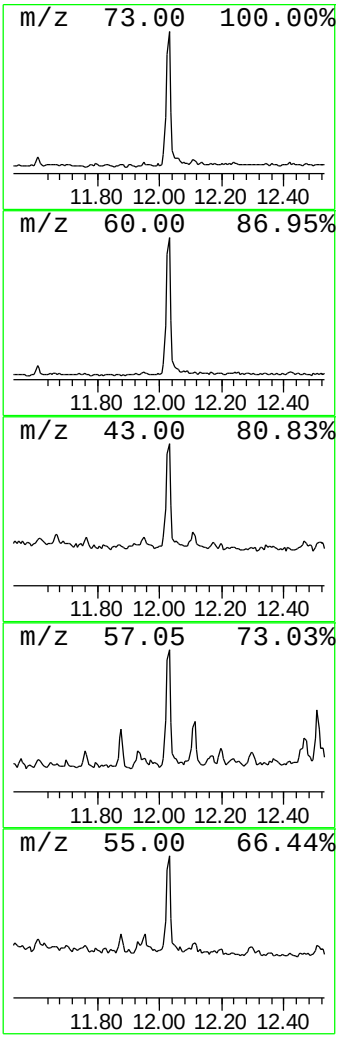
****

Peak Number 18 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	9.34 ng	463821	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	Dodecanoic acid	200	C12H24O2	000143-07-7	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

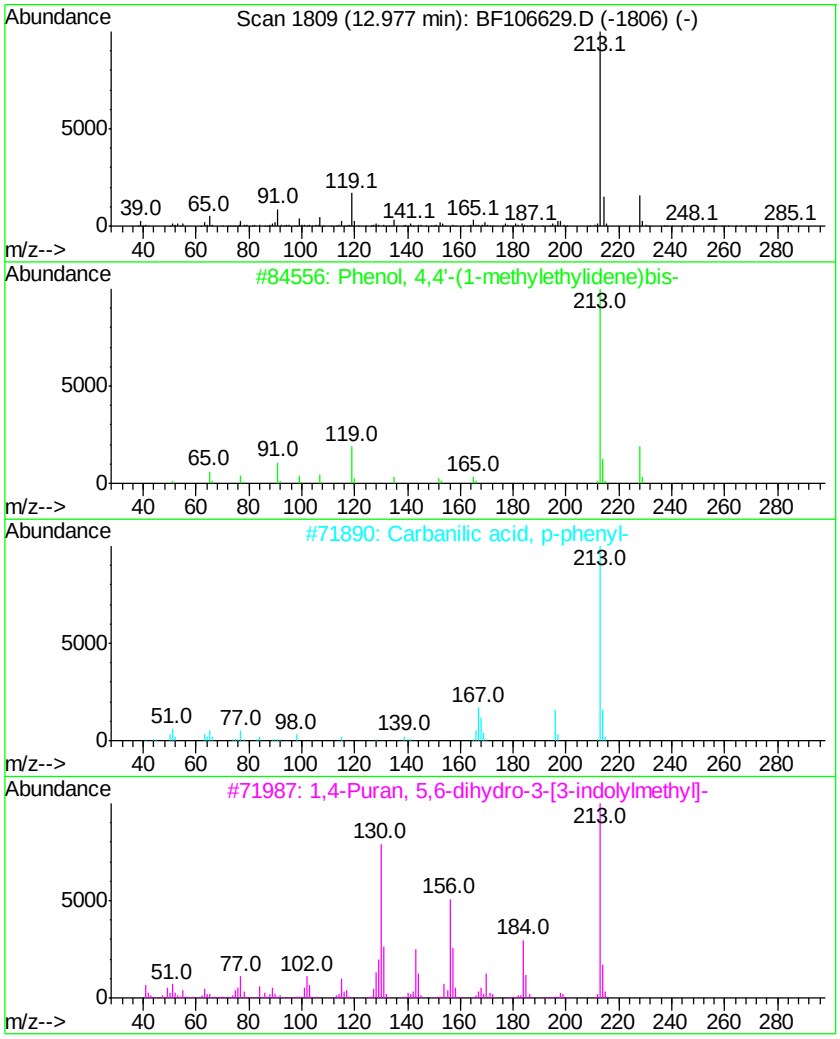
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

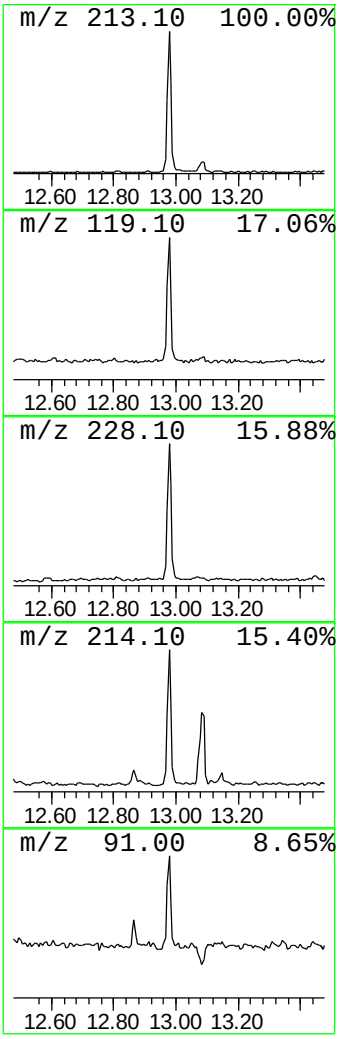
****

Peak Number 19 Phenol, 4,4'-(1-methylethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	12.28 ng	413145	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	98
2	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	53
3	1,4-Puran, 5,6-dihydro-3-[3-indo...	213	C14H15NO	1000128-72-9	42
4	2-Trimethylsilyl-3-trimethylsily...	228	C8H20N4Si2	1000373-05-5	38
5	2,4(1H,3H)-Pyrimidinedione, 1,3-...	228	C9H16N2O3Si	089447-84-7	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

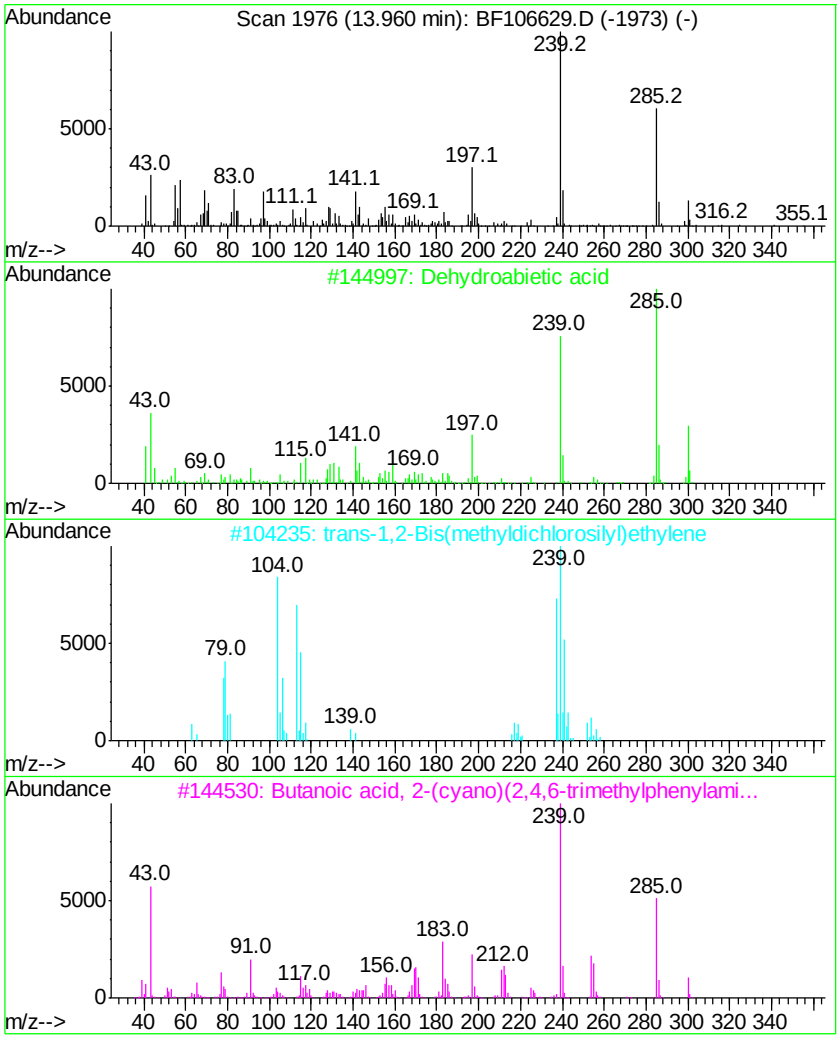
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

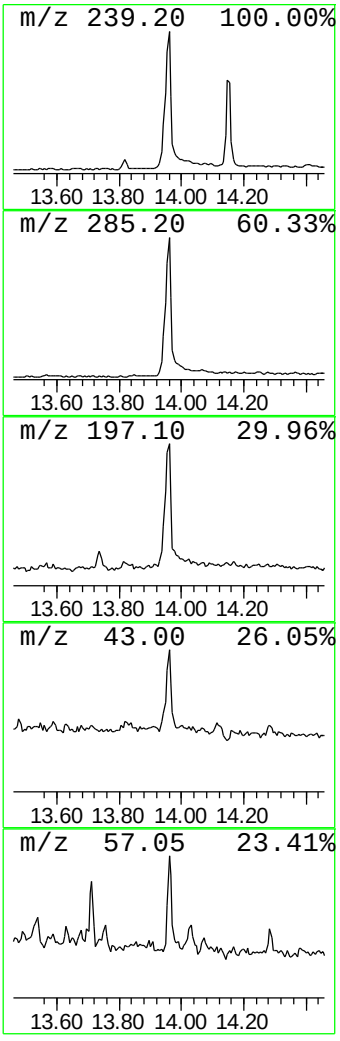
****

Peak Number 20 Dehydroabietic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	15.48 ng	520691	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	93
2	trans-1,2-Bis(methyldichlorosilv...	252	C4H8Cl4Si2	065899-10-7	83
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	74
4	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	64
5	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062018\
Data File : BF106629.D
Acq On : 20 Jun 2018 19:39
Operator : JU/SJ
Sample : J3529-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TPTW-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
unknown6.74	6.74	67.6	ng	2269130	1	6.96	671264	20.0
Hexanoic acid, 2-...	7.70	10.4	ng	438957	2	8.24	840506	20.0
3,3-Dimethylhepta...	7.83	7.3	ng	305563	2	8.24	840506	20.0
1,3-Pentanediol, ...	7.95	13.1	ng	552269	2	8.24	840506	20.0
Camphor	7.99	26.8	ng	1124990	2	8.24	840506	20.0
unknown8.40	8.40	12.3	ng	516607	2	8.24	840506	20.0
Benzeneacetic acid	8.60	44.7	ng	1878460	2	8.24	840506	20.0
Benzoic acid, 3-m...	8.70	7.4	ng	312260	2	8.24	840506	20.0
Benzoic acid, 4-m...	8.75	7.7	ng	321292	2	8.24	840506	20.0
Phenol, 4-chloro-...	8.81	8.4	ng	352829	2	8.24	840506	20.0
Vanillin	9.47	10.2	ng	521781	3	10.00	1024290	20.0
Acetophenone, 4'-...	9.65	7.7	ng	394822	3	10.00	1024290	20.0
Apocynin	9.92	8.3	ng	425597	3	10.00	1024290	20.0
7-Methoxymethyl-2...	10.31	12.6	ng	645244	3	10.00	1024290	20.0
Benzenesulfonamid...	10.88	10.8	ng	538418	4	11.49	993326	20.0
Phenol, 3-(2-phen...	11.61	12.6	ng	625354	4	11.49	993326	20.0
n-Hexadecanoic acid	12.03	9.3	ng	463821	4	11.49	993326	20.0
Phenol, 4,4'-(1-m...	12.98	12.3	ng	413145	5	14.15	672891	20.0
Dehydroabietic acid	13.96	15.5	ng	520691	5	14.15	672891	20.0