LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111883.D
Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4-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	2.181	11	16	23	rVB	415572	544032	13.16%	0.818%
2	3.793	280	290	296	rBV	75247	129053	3.12%	0.194%
3	3.981	318	322	324	rBV	80384	98042	2.37%	0.147%
4	4.010	324	327	338	rVB	112388	150462	3.64%	0.226%
5	4.822	463	465	467	rVB	252344	177274	4.29%	0.267%
6	5.040	498	502	507	rBV	196162	210307	5.09%	0.316%
7	5.104	510	513	518	rVV2	116632	155081	3.75%	0.233%
8	5.240	522	536	537	rVV2	62090	168257	4.07%	0.253%
9	5.345	543	554	557	rBV2	61353	122008	2.95%	0.183%
10	5.481	570	577	581	rBV2	264355	373055	9.02%	0.561%
11	5.522	581	584	591	rVV	1802103	1762545	42.63%	2.651%
12	5.645	595	605	609	rBV2	53330	125302	3.03%	0.188%
13	5.716	614	617	620	rBV	205050	196152	4.74%	0.295%
14	5.845	635	639	643	rBV	207339	205405	4.97%	0.309%
15	6.051	667	674	680	rBV2	325178	529050	12.80%	0.796%
16	6.187	683	697	703	rBV6	45116	128922	3.12%	0.194%
17	6.487	746	748	751	rVV2	73629	97108	2.35%	0.146%
18	6.528	751	755	760	rVV2	1430212	1882758	45.54%	2.831%
19	6.610	760	769	770	rVV2	429911	1097641	26.55%	1.651%
20	6.663	774	778	783	rVV	3580962	3966214	95.94%	5.965%
21	6.704	783	785	793	rVV2	233135	315988	7.64%	0.475%
22	6.775	793	797	801	rVB2	67202	82720	2.00%	0.124%
23	6.887	812	816	822	rBV	1159211	1017274	24.61%	1.530%
24	6.957	824	828	830	rVV	1506856	1471159	35.59%	2.212%
25	6.998	833	835	837	rVV	78008	68107	1.65%	0.102%
26	7.045	837	843	847	rVB2	3456513	3609061	87.30%	5.427%
27	7.145	855	860	866	rVB	590444	516012	12.48%	0.776%
28	7.210	867	871	874	rBV2	49982	69554	1.68%	0.105%
29	7.304	882	887	890	rBV	2223747	2246661	54.34%	3.379%
30	7.416	898	906	907	rBV2	91265	110941	2.68%	0.167%
31	7.445	907	911	917	rVB	2405522	2466815	59.67%	3.710%
32	7.604	923	938	940	rBV	394276	872622	21.11%	1.312%
33	7.628	940	942	944	rVV	94508	86687	2.10%	0.130%
34	7.657	944	947	950	rVB2	76867	71621	1.73%	0.108%

LSC Area Percent Report

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Sample : K1053-10
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-4-DRUM

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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

35	7.739	958	961	964	rBV	305135	269282	6.51%	0.405%
36	7.769	964	966	971	rVB3	60273	68148	1.65%	0.102%
37	7.828	972	976	981	rBV	1649824	2162124	52.30%	3.252%
38	7.945	987	996	998	rBV2	1760541	3318351	80.27%	4.990%
39	7.963	998	999	1006	rVB	2122319	1353602	32.74%	2.036%
40	8.022	1006	1009	1016	rVB	307754	308395	7.46%	0.464%
41	8.086	1016	1020	1023	rBV	245524	245648	5.94%	0.369%
42	8.128	1023	1027	1031	rVB	1044430	954793	23.10%	1.436%
43	8.169	1031	1034	1037	rBV	1244310	1128959	27.31%	1.698%
44	8.192	1037	1038	1041	rVB	327677	182076	4.40%	0.274%
45	8.257	1046	1049	1052	rVB	298680	234805	5.68%	0.353%
46	8.292	1052	1055	1058	rBV2	197172	182743	4.42%	0.275%
47	8.328	1058	1061	1065	rVB	966987	800089	19.35%	1.203%
48	8.363	1065	1067	1070	rBV	283572	280133	6.78%	0.421%
49	8.404	1070	1074	1076	rBV	873803	733597	17.74%	1.103%
50	8.434	1076	1079	1083	rVB	504082	371376	8.98%	0.558%
51	8.481	1085	1087	1091	rBV2	107090	139355	3.37%	0.210%
52	8.528	1091	1095	1098	rBV	3646550	3298386	79.78%	4.960%
53	8.610	1105	1109	1110	rBV	368905	345074	8.35%	0.519%
54	8.628	1110	1112	1114	rVV	372005	326724	7.90%	0.491%
55	8.645	1114	1115	1119	rVB	390670	287697	6.96%	0.433%
56	8.704	1119	1125	1128	rVB3	160110	260361	6.30%	0.392%
57	8.745	1128	1132	1134	rBV	368341	302635	7.32%	0.455%
58	8.816	1141	1144	1146	rBV3	171539	207929	5.03%	0.313%
59	8.851	1148	1150	1154	rVB	348127	317959	7.69%	0.478%
60	8.928	1160	1163	1168	rVB2	1265205	1287305	31.14%	1.936%
61	8.975	1168	1171	1175	rVB2	187796	205143	4.96%	0.309%
62	9.028	1175	1180	1181	rBV2	409949	387801	9.38%	0.583%
63	9.063	1181	1186	1189	rVB2	1682082	1840388	44.52%	2.768%
64	9.116	1192	1195	1198	rVB2	529612	504020	12.19%	0.758%
65	9.157	1198	1202	1205	rVB2	343456	424236	10.26%	0.638%
66	9.198	1206	1209	1212	rBV	436179	338917	8.20%	0.510%
67	9.245	1212	1217	1220	rBV	4418459	4134175	100.00%	6.217%
68	9.304	1223	1227	1228	rBV	274582	264235	6.39%	0.397%
69	9.328	1228	1231	1235	rVB	767564	608500	14.72%	0.915%
70	9.398	1240	1243	1248	rVB2	197267	211047	5.10%	0.317%
71	9.445	1248	1251	1255	rBV4	94461	107596	2.60%	0.162%

LSC Area Percent Report

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Sample : K1053-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4-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
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Peak separation: 5

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

72	9.492	1255	1259	1262	rBV2	478404	561504	13.58%	0.844%
73	9.522	1262	1264	1266	rVV2	224391	182026	4.40%	0.274%
74	9.557	1266	1270	1272	rVB2	242526	265765	6.43%	0.400%
75	9.586	1272	1275	1279	rBV2	187114	223017	5.39%	0.335%
76	9.633	1279	1283	1285	rVV2	58248	74117	1.79%	0.111%
77	9.663	1285	1288	1291	rVB3	433586	367678	8.89%	0.553%
78	9.692	1291	1293	1296	rBV	265951	239680	5.80%	0.360%
79	9.745	1299	1302	1305	rVB	298185	271973	6.58%	0.409%
80	9.786	1306	1309	1312	rVB2	148537	141498	3.42%	0.213%
81	9.828	1312	1316	1318	rBV5	68482	102454	2.48%	0.154%
82	9.892	1324	1327	1329	rBV	133685	140913	3.41%	0.212%
83	9.928	1329	1333	1336	rVV	1439386	1289196	31.18%	1.939%
84	9.980	1336	1342	1346	rVB4	88895	123060	2.98%	0.185%
85	10.063	1353	1356	1359	rBV2	157328	199197	4.82%	0.300%
86	10.457	1420	1423	1429	rVB5	105310	129914	3.14%	0.195%
87	10.580	1441	1444	1447	rBV	196688	167216	4.04%	0.251%
88	10.716	1463	1467	1471	rBV	2724924	2427498	58.72%	3.651%
89	11.033	1519	1521	1526	rVB	63286	68381	1.65%	0.103%
90	11.151	1539	1541	1545	rVB	85642	72563	1.76%	0.109%
91	11.198	1546	1549	1554	rVB	98883	85658	2.07%	0.129%
92	11.410	1582	1585	1590	rVB	1185422	1014246	24.53%	1.525%
93	11.933	1671	1674	1676	rBV2	88028	79731	1.93%	0.120%
94	12.063	1693	1696	1700	rBV	126637	115537	2.79%	0.174%
95	12.674	1797	1800	1803	rBV	90535	71666	1.73%	0.108%
96	12.998	1850	1855	1858	rBV	2660084	2516593	60.87%	3.785%
97	13.886	2004	2006	2013	rVB6	60724	69253	1.68%	0.104%
98	14.051	2030	2034	2039	rVB	923166	815660	19.73%	1.227%
99	14.863	2168	2172	2176	rVB	212119	207786	5.03%	0.312%
100	15.533	2281	2286	2293	rVB	738229	954690	23.09%	1.436%

Sum of corrected areas: 66495964

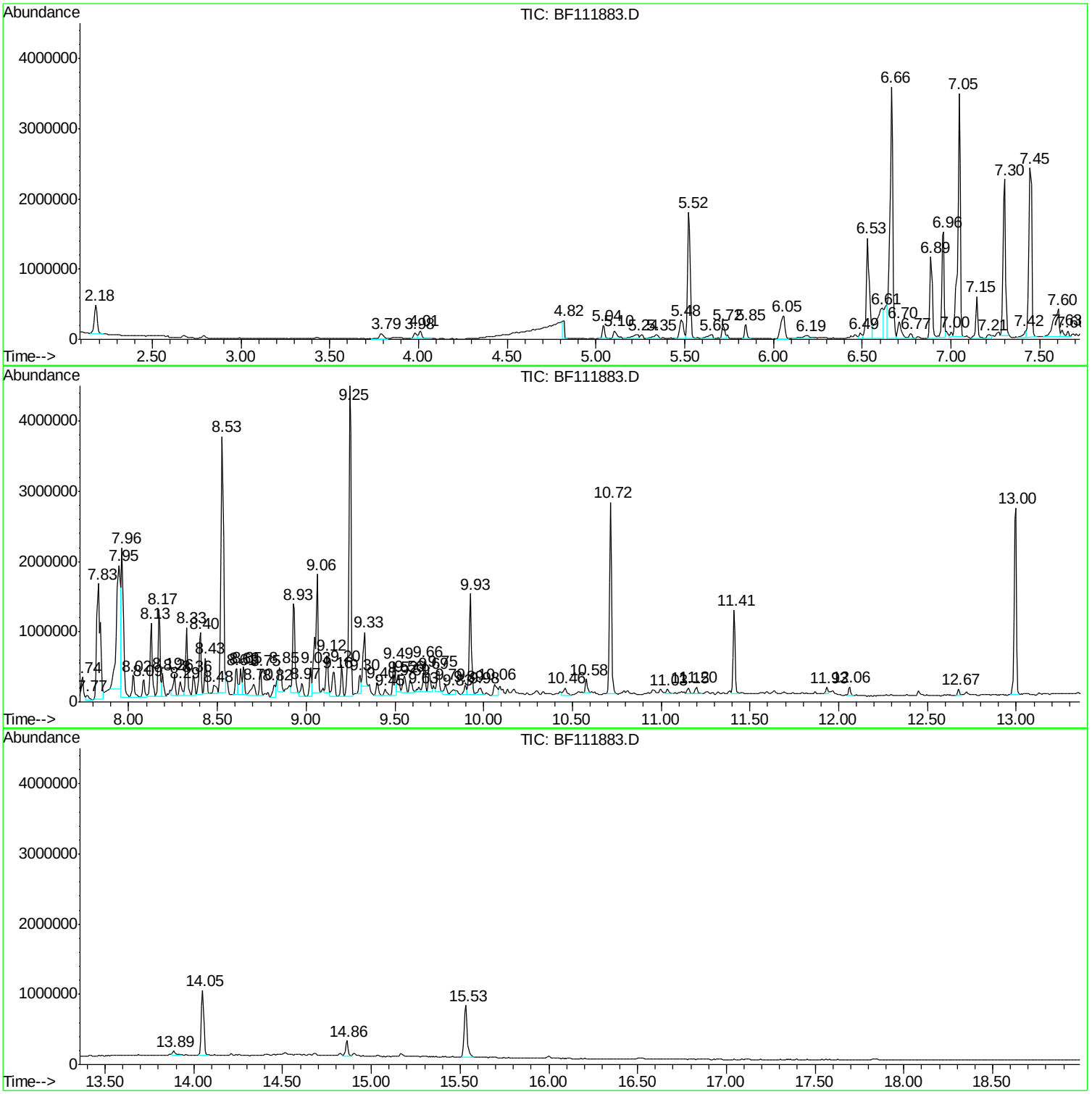
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111883.D
Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4-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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

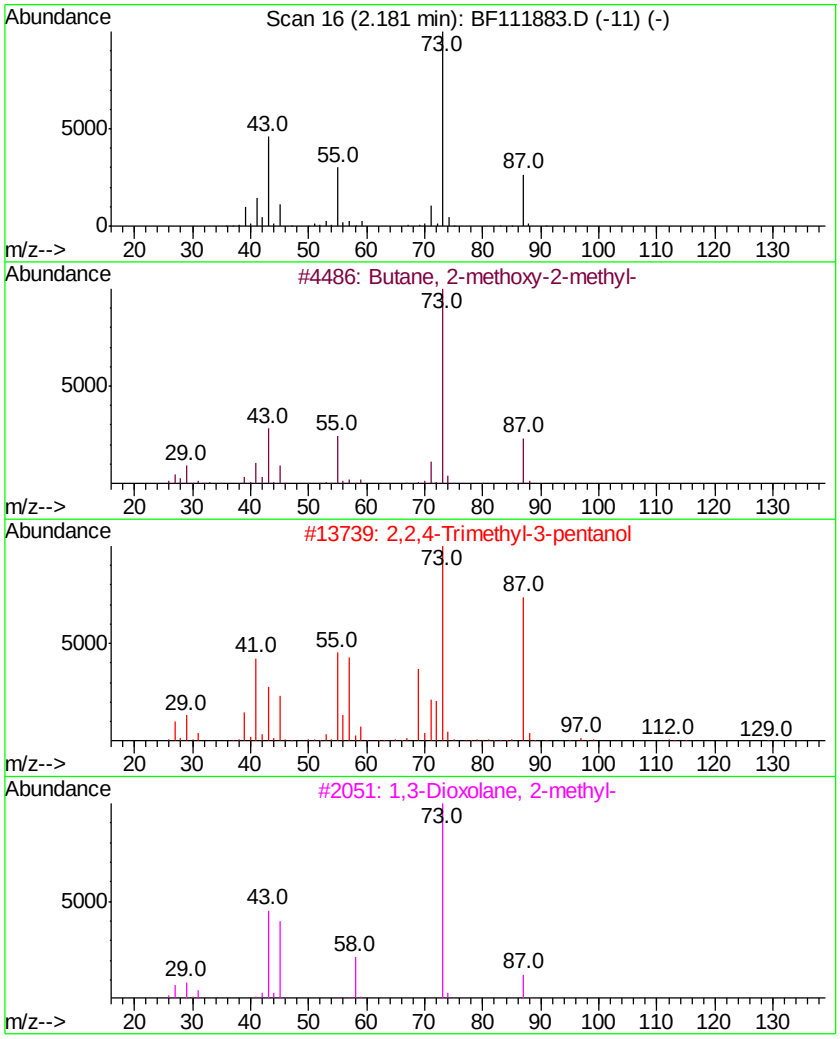
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

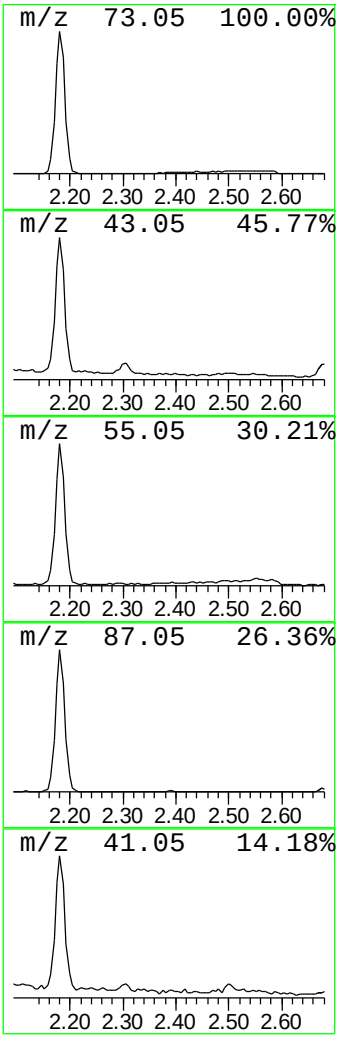
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	10.70 ng	544032	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
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Instrument : BNA_F
ClientSampleId : COMP-4-DRUM

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

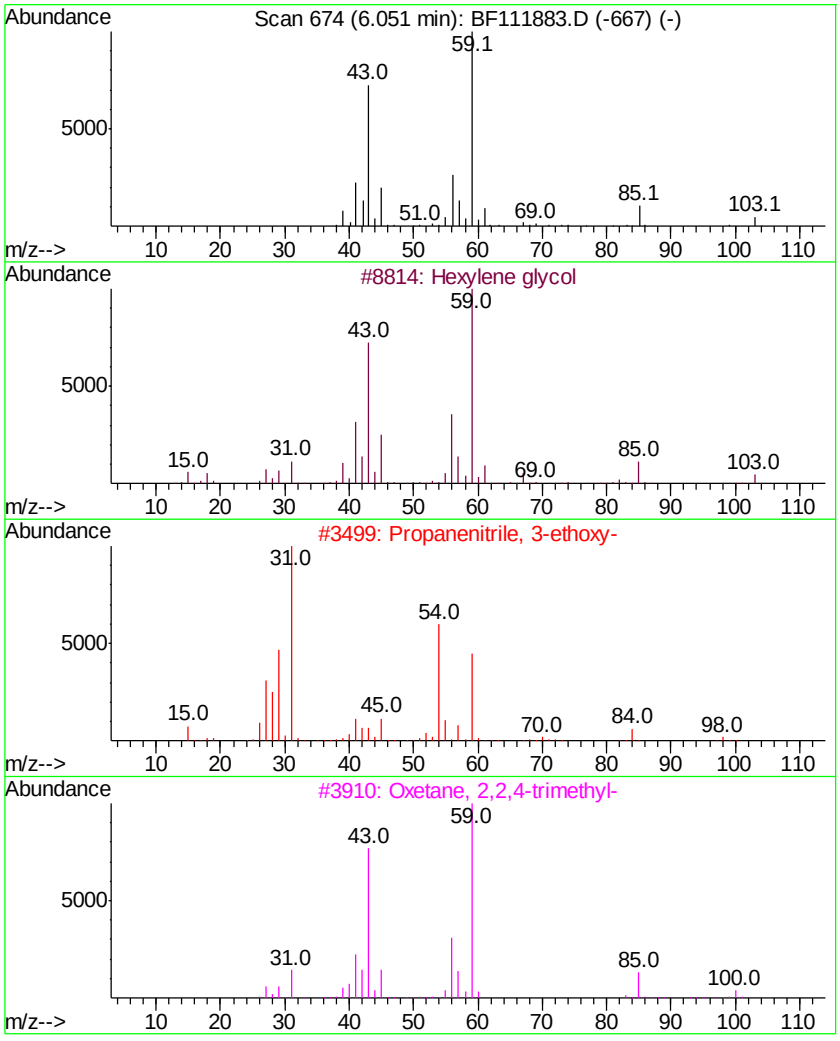
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

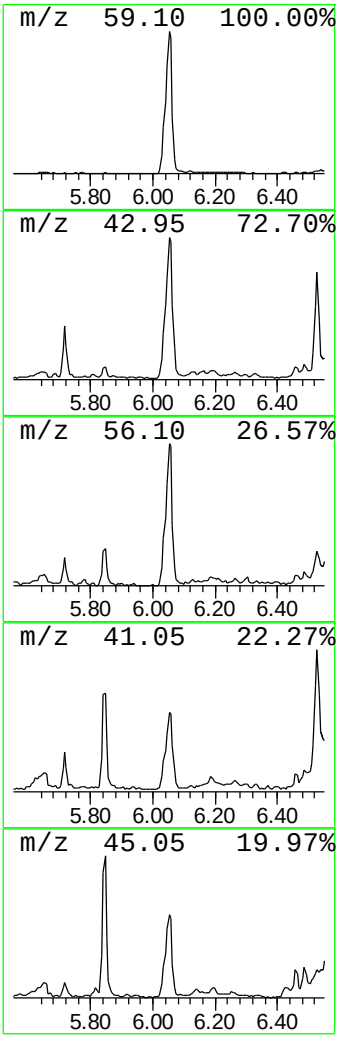
****

Peak Number 2 Hexylene glycol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	10.40 ng	529050	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexylene glycol	118	C6H14O2	000107-41-5	83
2	Propanenitrile, 3-ethoxy-	99	C5H9NO	002141-62-0	53
3	Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	47
4	dl-Erythro-O-methylthreonine	133	C5H11NO3	1000214-70-7	45
5	N,N-Dimethylformamide-di-t-butyl...	203	C11H25NO2	036805-97-7	45





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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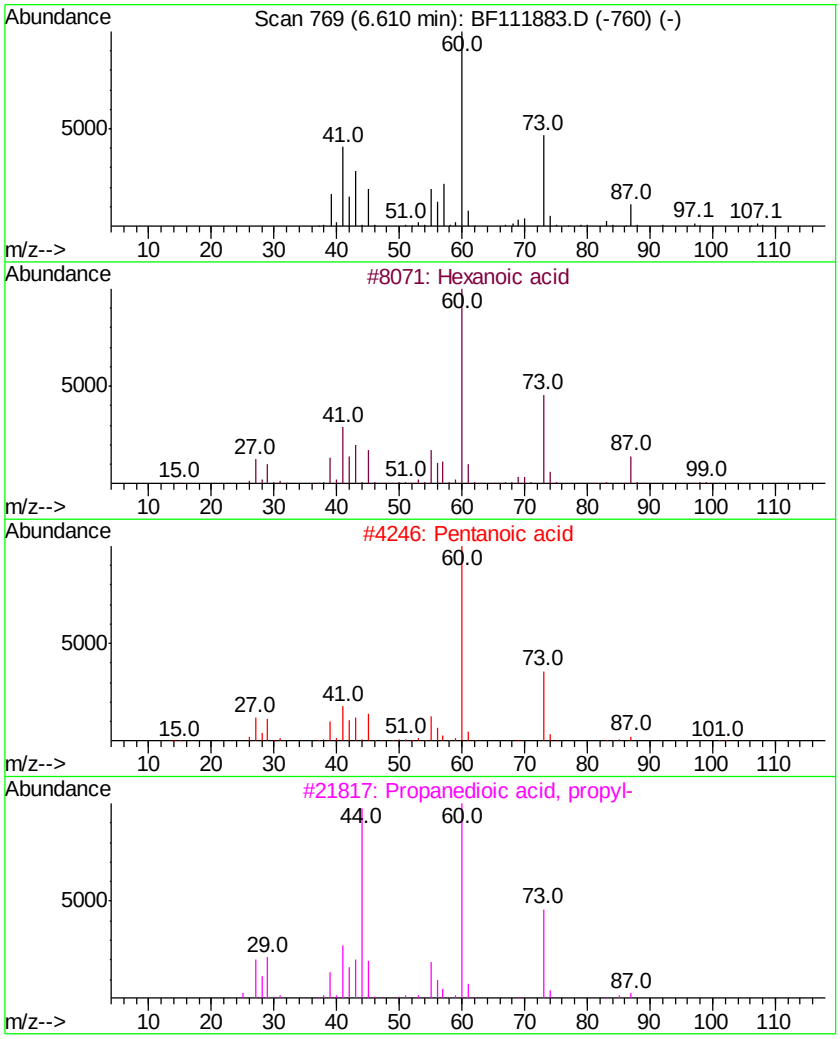
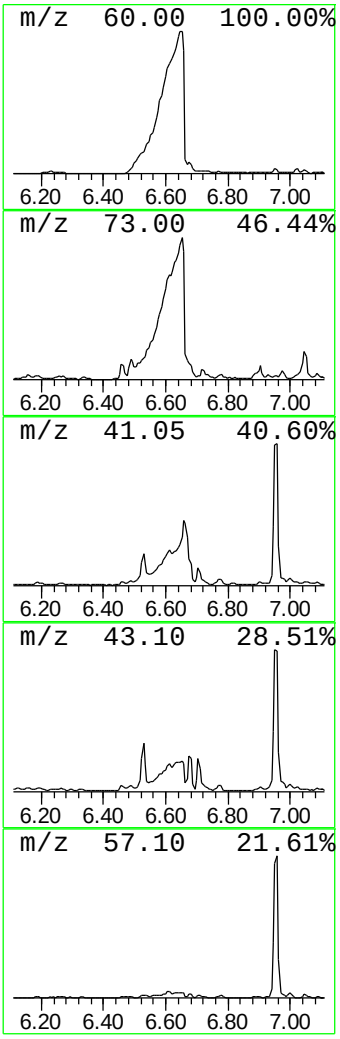
****

Peak Number 3 Hexanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	21.58 ng	1097640	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid	116	C6H12O2	000142-62-1	90
2	Pentanoic acid	102	C5H10O2	000109-52-4	78
3	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	64
4	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	64
5	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	40





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Instrument : BNA_F
ClientSampleId : COMP-4-DRUM

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
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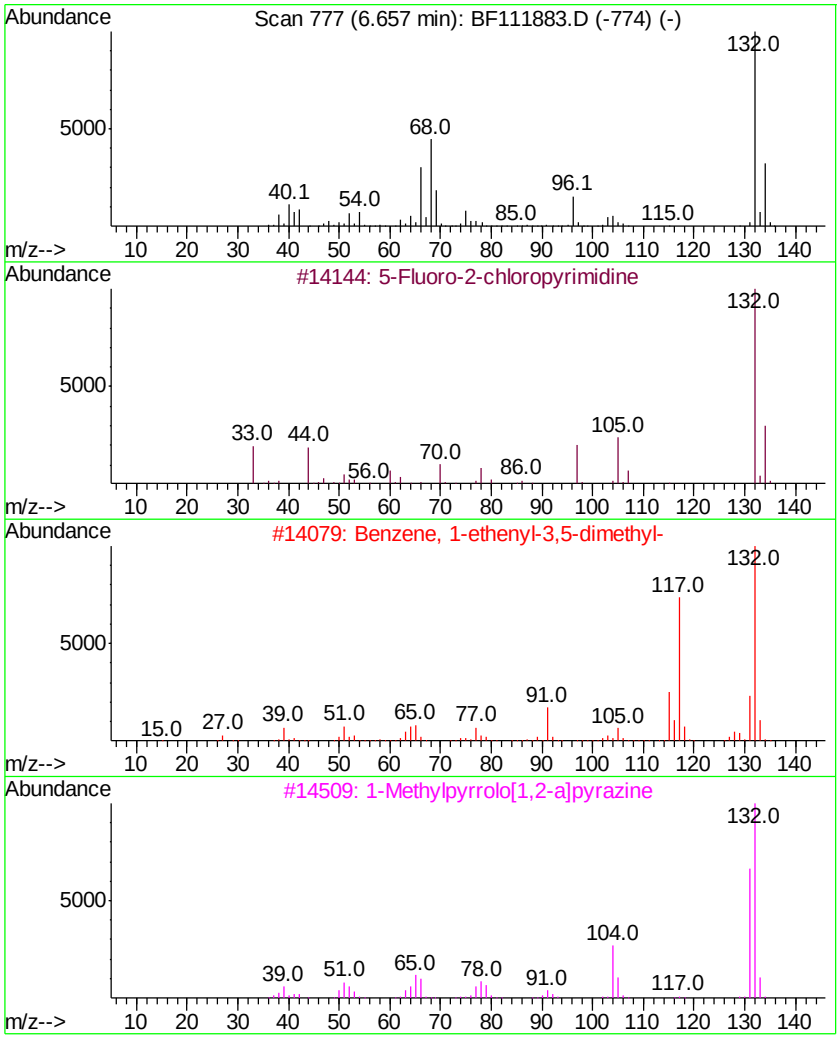
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

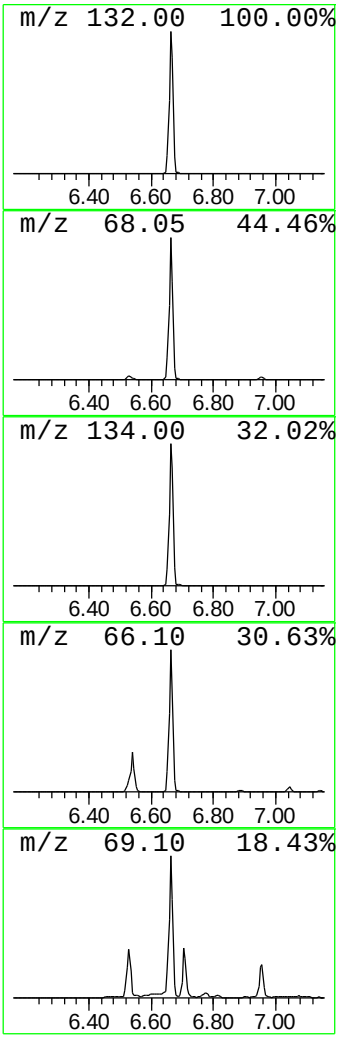
****

Peak Number 4 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	77.98 ng	3966210	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	16
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Library Search Compound Report

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Data File : BF111883.D
Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-4-DRUM

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

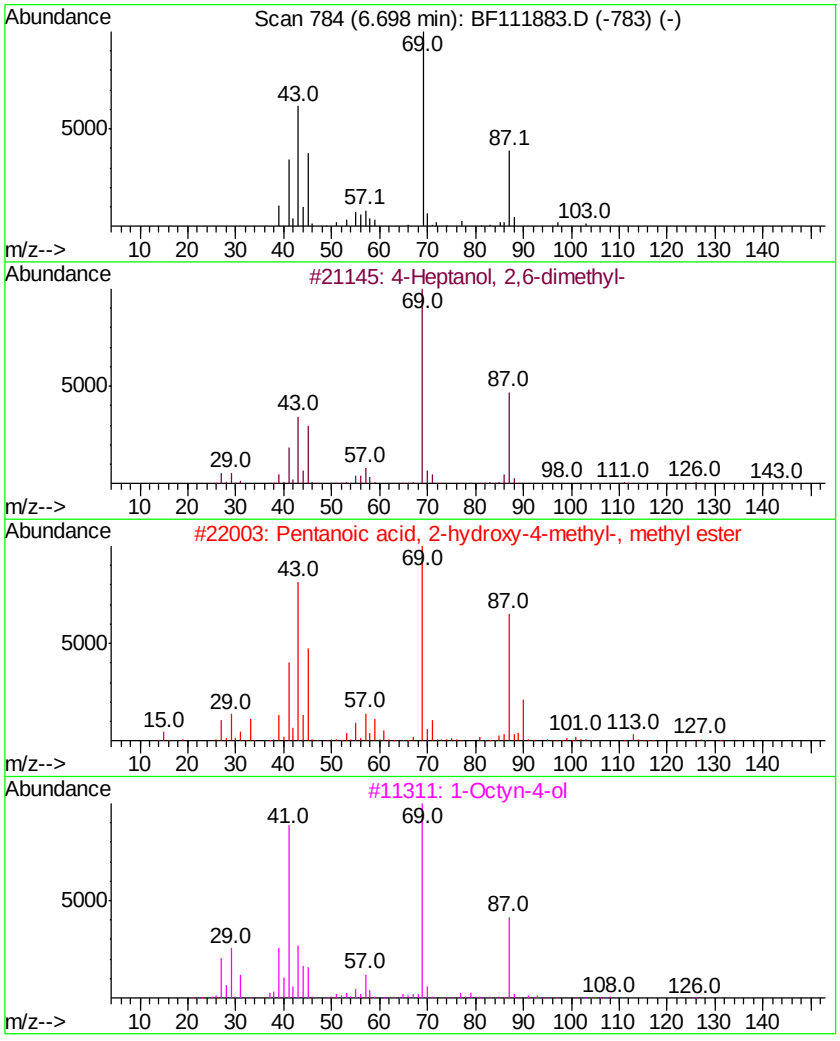
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

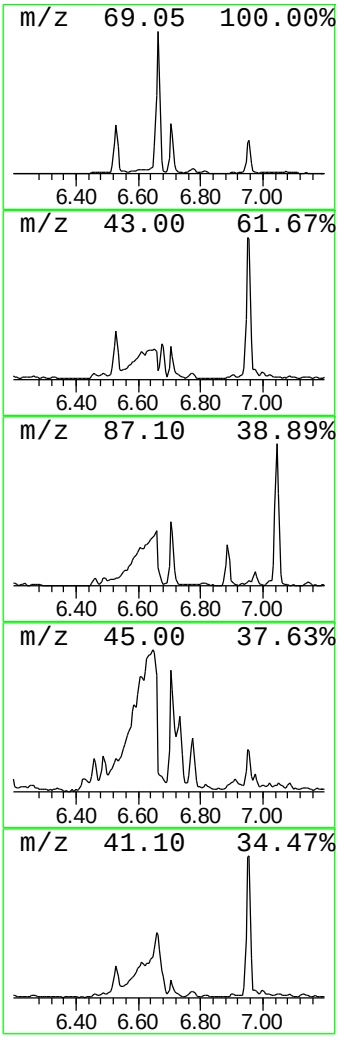
****

Peak Number 5 4-Heptanol, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	6.21 ng	315988	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanol, 2,6-dimethyl-	144	C9H20O	000108-82-7	83
2	Pentanoic acid, 2-hydroxy-4-meth...	146	C7H14O3	040348-72-9	78
3	1-Octyn-4-ol	126	C8H14O	052517-92-7	59
4	5-Nonanol	144	C9H20O	000623-93-8	59
5	Ethyl dl-2-hydroxycaproate	160	C8H16O3	006946-90-3	59





Library Search Compound Report

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Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-4-DRUM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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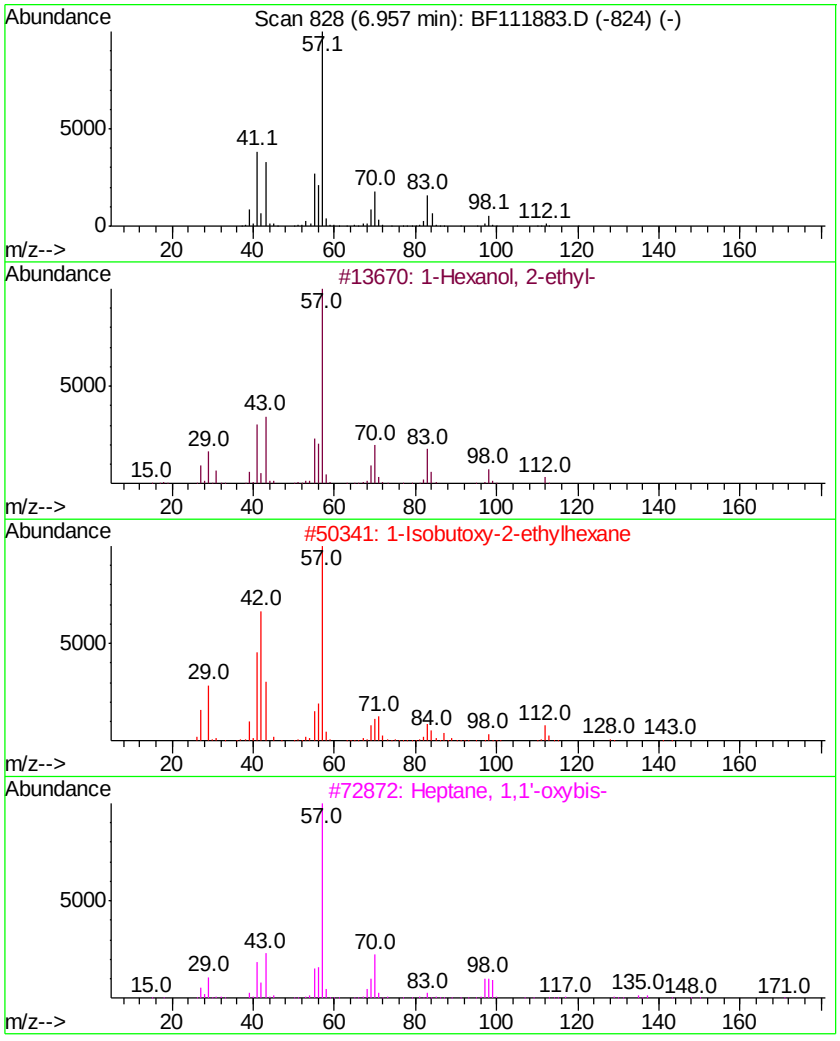
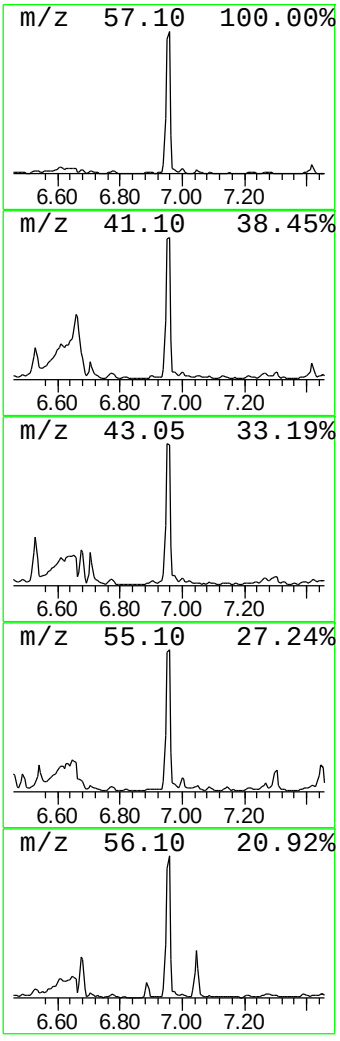
Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	28.92 ng	1471160	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	56
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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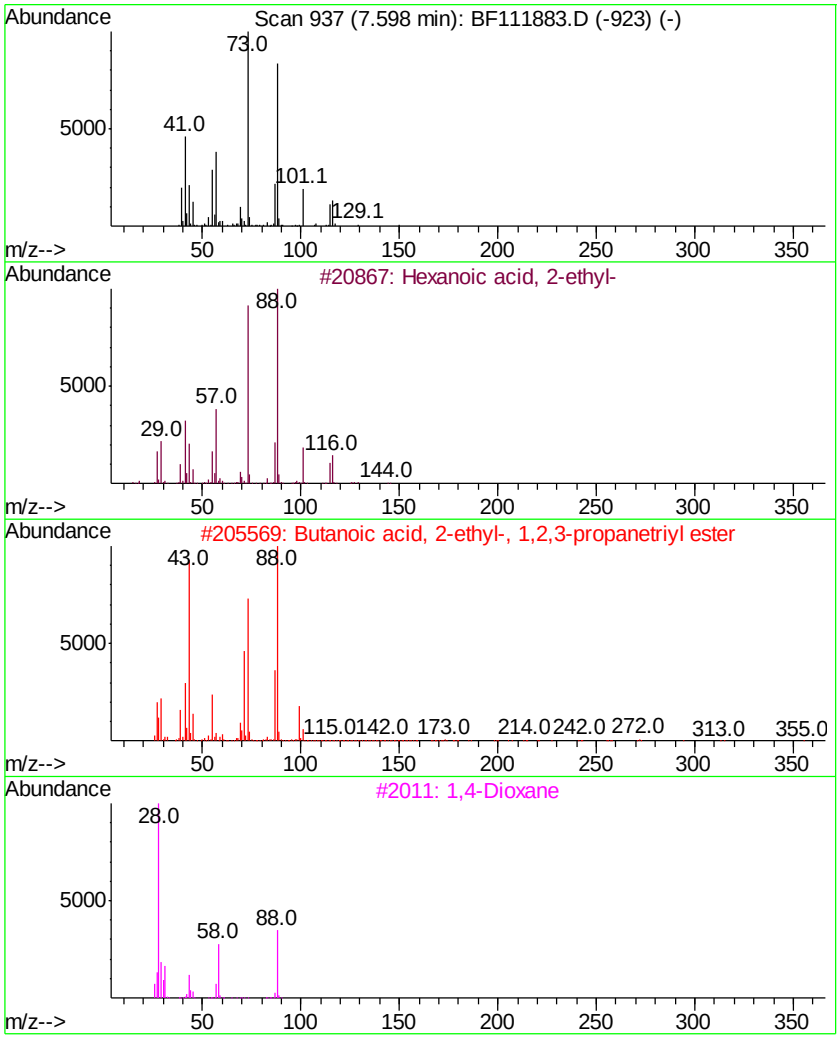
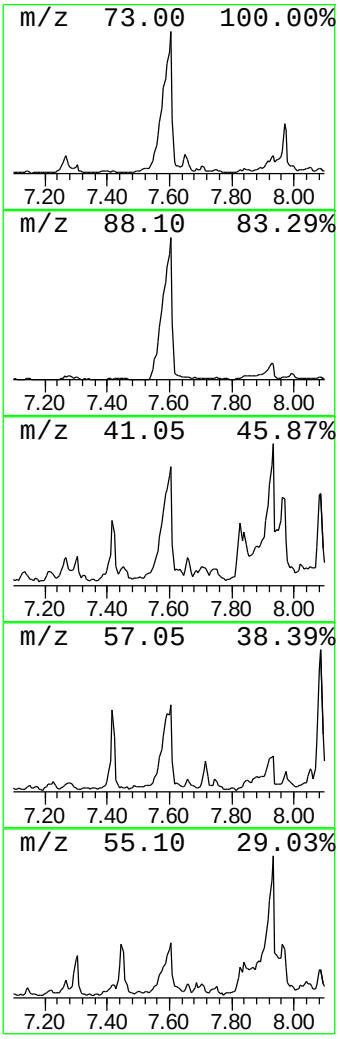
Peak Number 7 Hexanoic acid, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	15.46 ng	872622	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	86
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	59
3	1,4-Dioxane	88	C4H8O2	000123-91-1	43
4	Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	40
5	Iminodiacetic acid	133	C4H7NO4	000142-73-4	38





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ClientSampleId : COMP-4-DRUM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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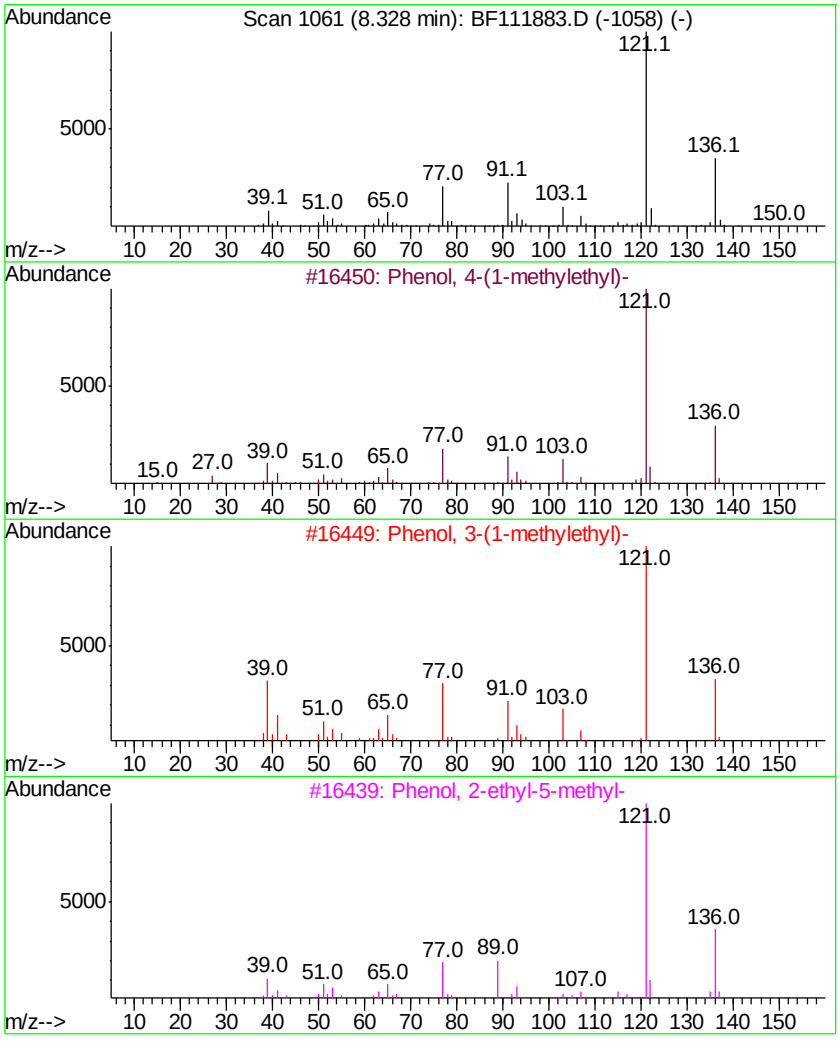
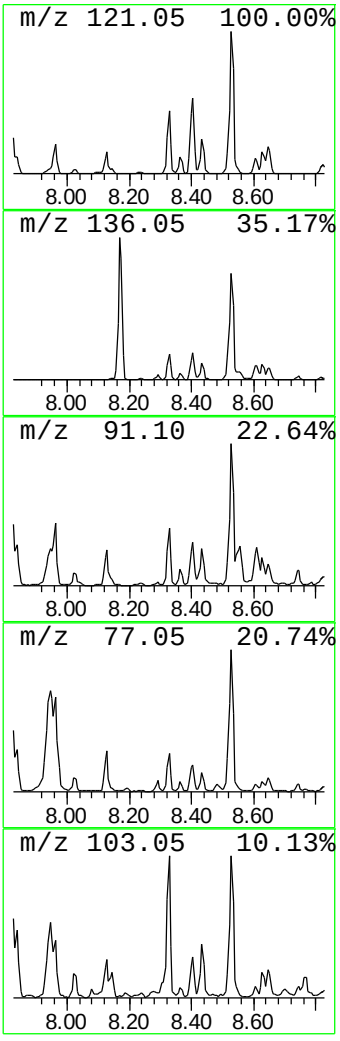
Peak Number 8 Phenol, 4-(1-methylethyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	14.17 ng	800089	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	94
2	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	93
3	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	90
4	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	90
5	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	87





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Misc :
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ClientSampleId : COMP-4-DRUM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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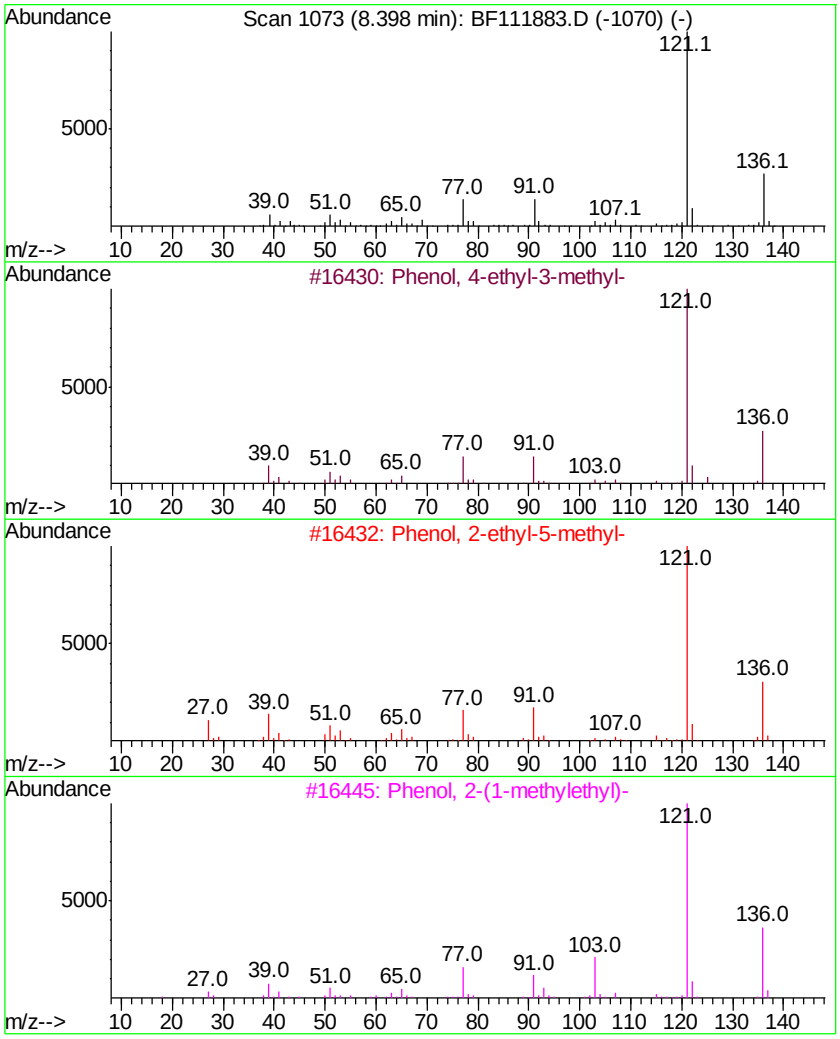
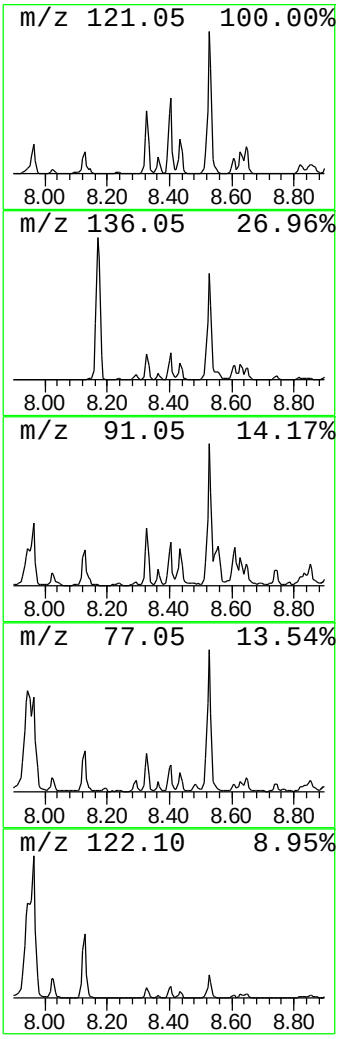
Peak Number 9 Phenol, 4-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	13.00 ng	733597	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-3-methyl-	136	C9H12O	001123-94-0	91
2	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	91
3	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	91
4	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	87
5	1,3-Cyclohexadiene, 1,5,5,6-tetr...	136	C10H16	000514-94-3	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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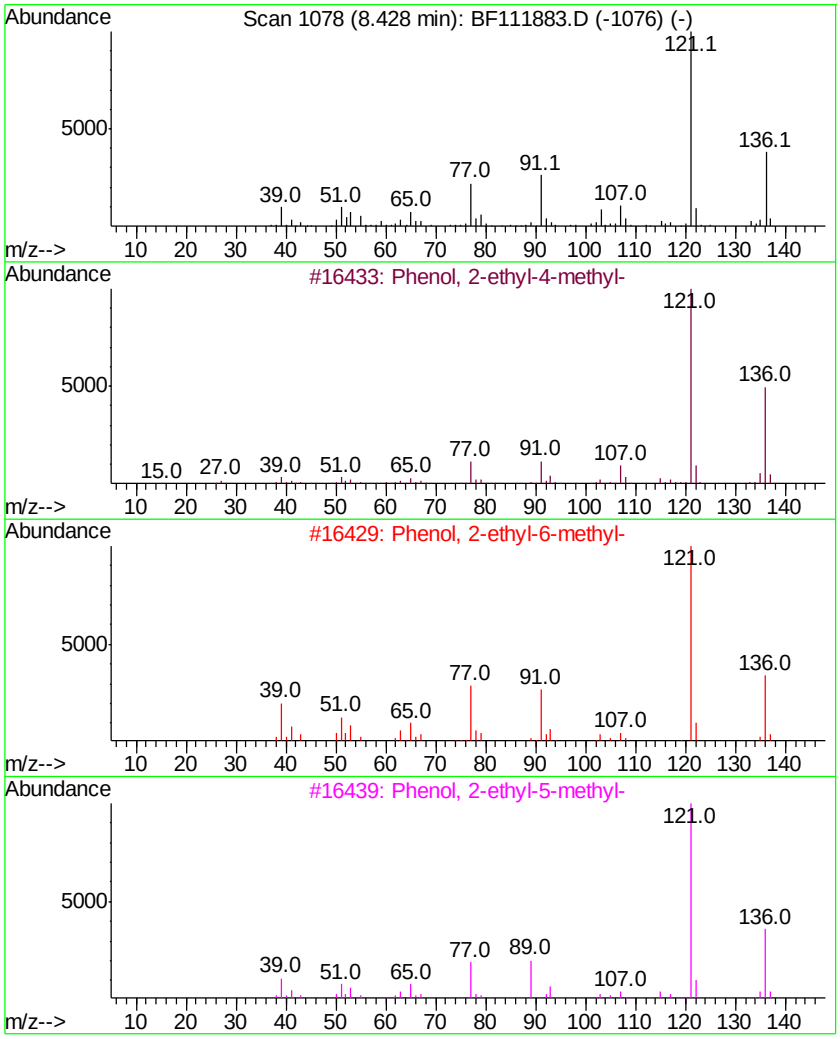
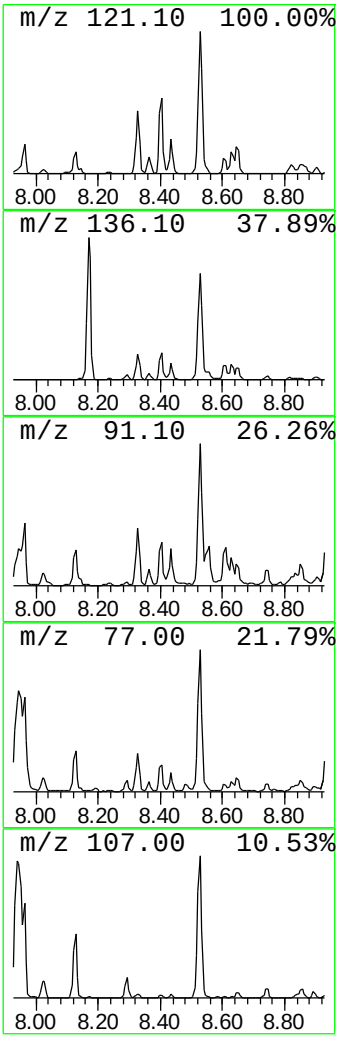
Peak Number 10 Phenol, 2-ethyl-4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	6.58 ng	371376	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	91
2	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	91
3	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	90
4	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	90
5	2-Methylbicyclo[4.3.0]non-1(6)-ene	136	C10H16	060223-07-6	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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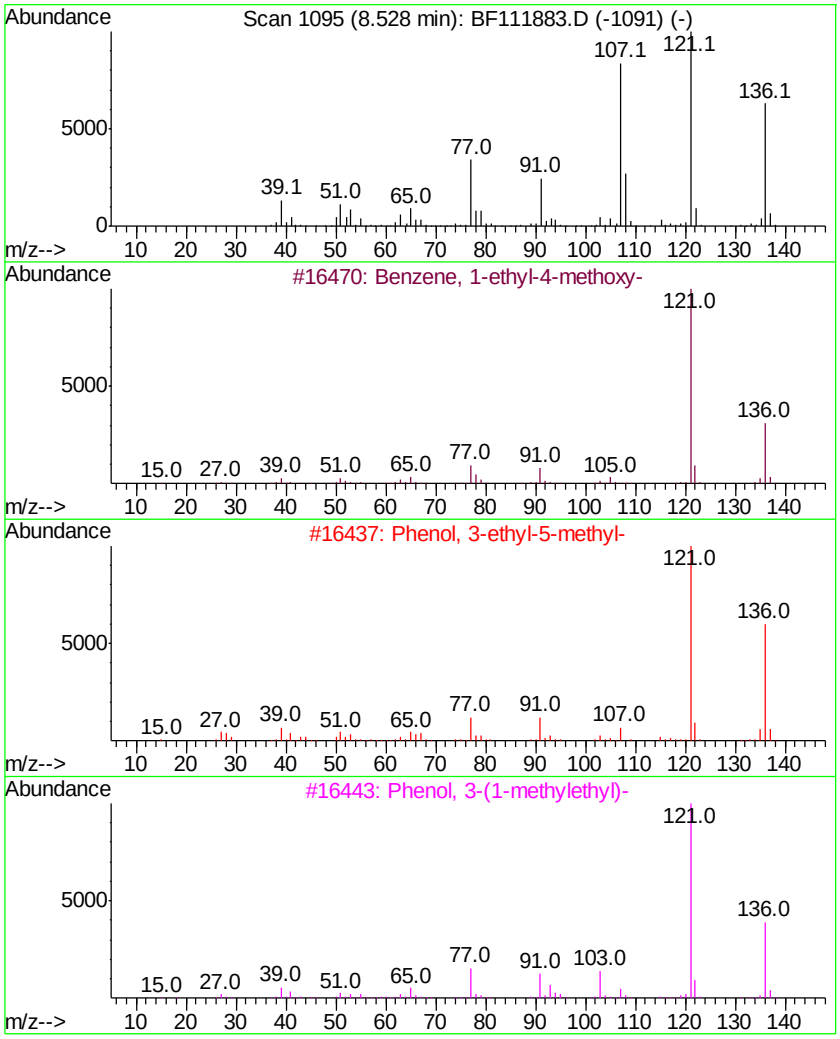
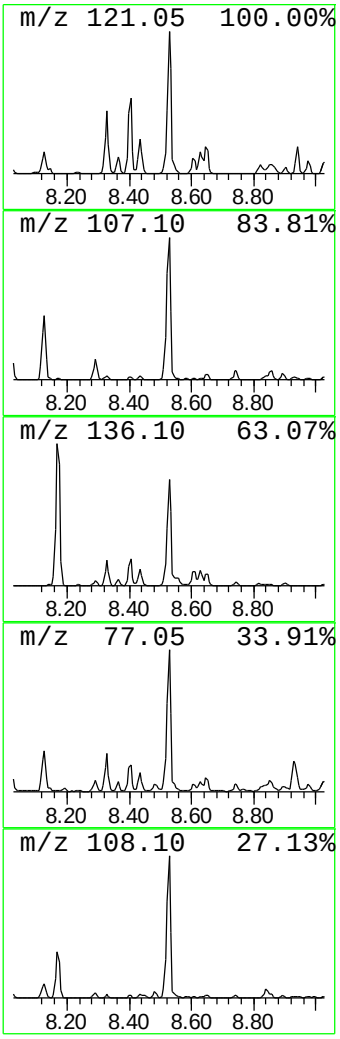
Peak Number 11 Benzene, 1-ethyl-4-methoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	58.43 ng	3298390	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	53
2	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	53
3	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	49
4	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	46
5	1,3-Cyclopentadiene, 1,2,3,4,5-p...	136	C10H16	004045-44-7	46





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Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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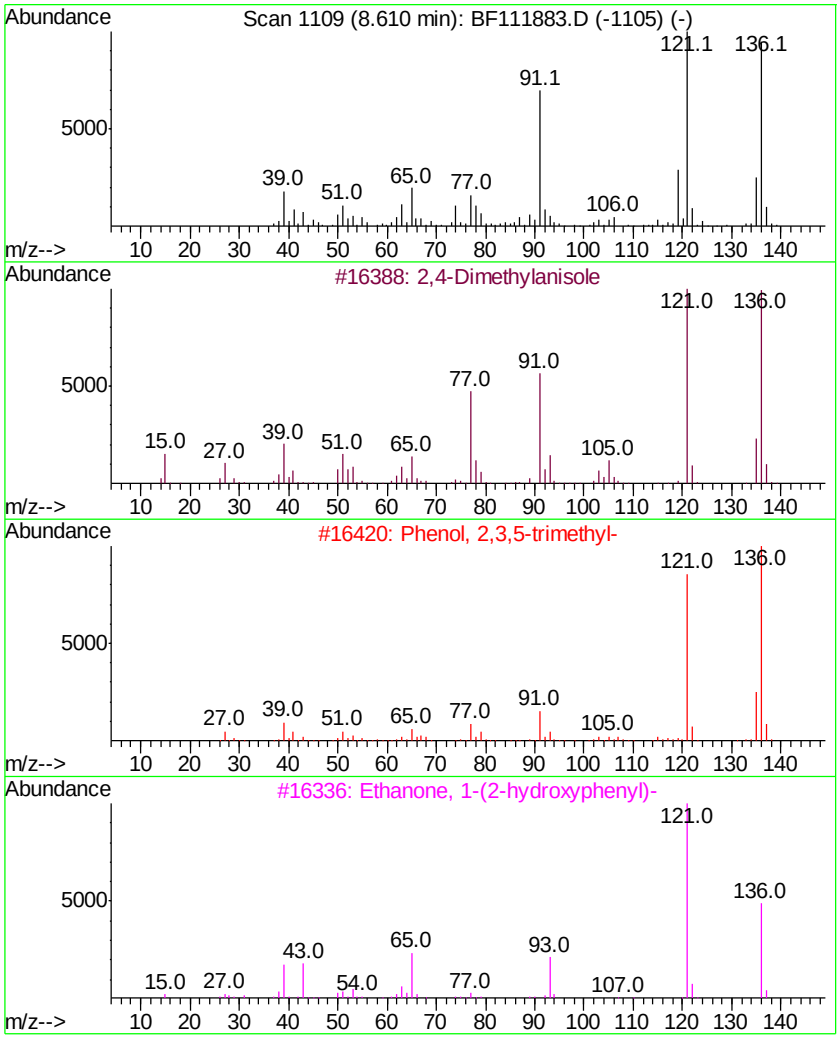
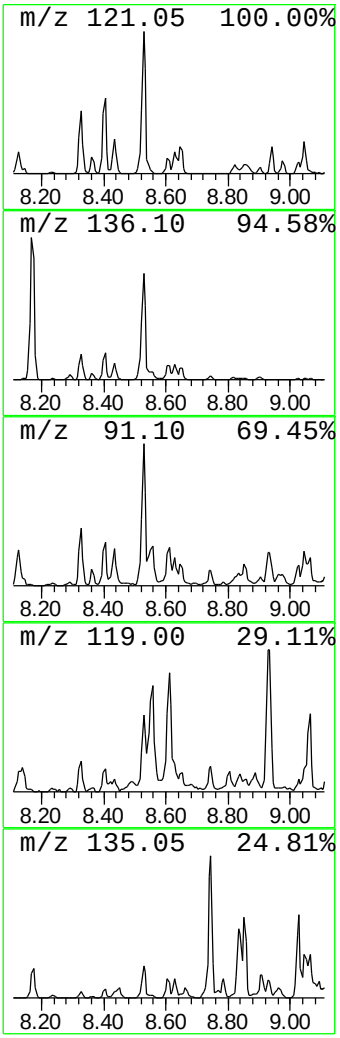
Peak Number 12 2,4-Dimethylanisole Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	6.11 ng	345074	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylanisole	136	C9H12O	006738-23-4	87
2	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	81
3	Ethanone, 1-(2-hydroxyphenyl)-	136	C8H8O2	000118-93-4	76
4	Phenol, 2,4,5-trimethyl-	136	C9H12O	000496-78-6	74
5	Benzene, 2-methoxy-1,3-dimethyl-	136	C9H12O	001004-66-6	74





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

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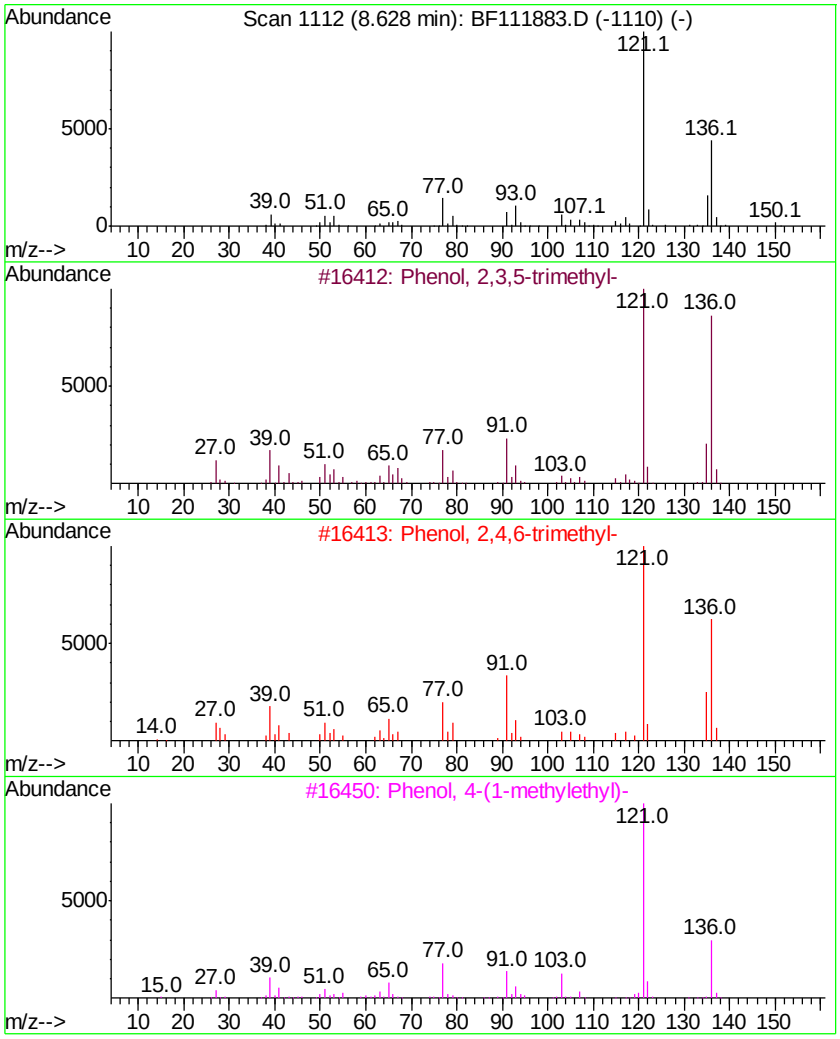
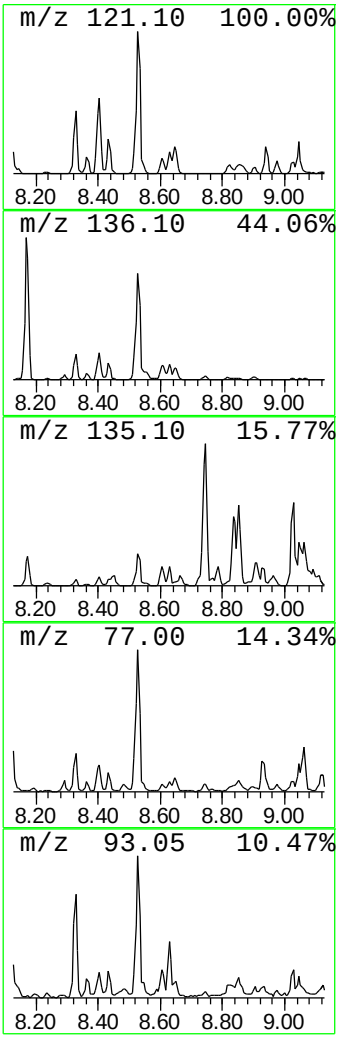
Peak Number 13 Phenol, 2,3,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	5.79 ng	326724	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	91
2	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	91
3	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	83
4	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	83
5	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	80





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

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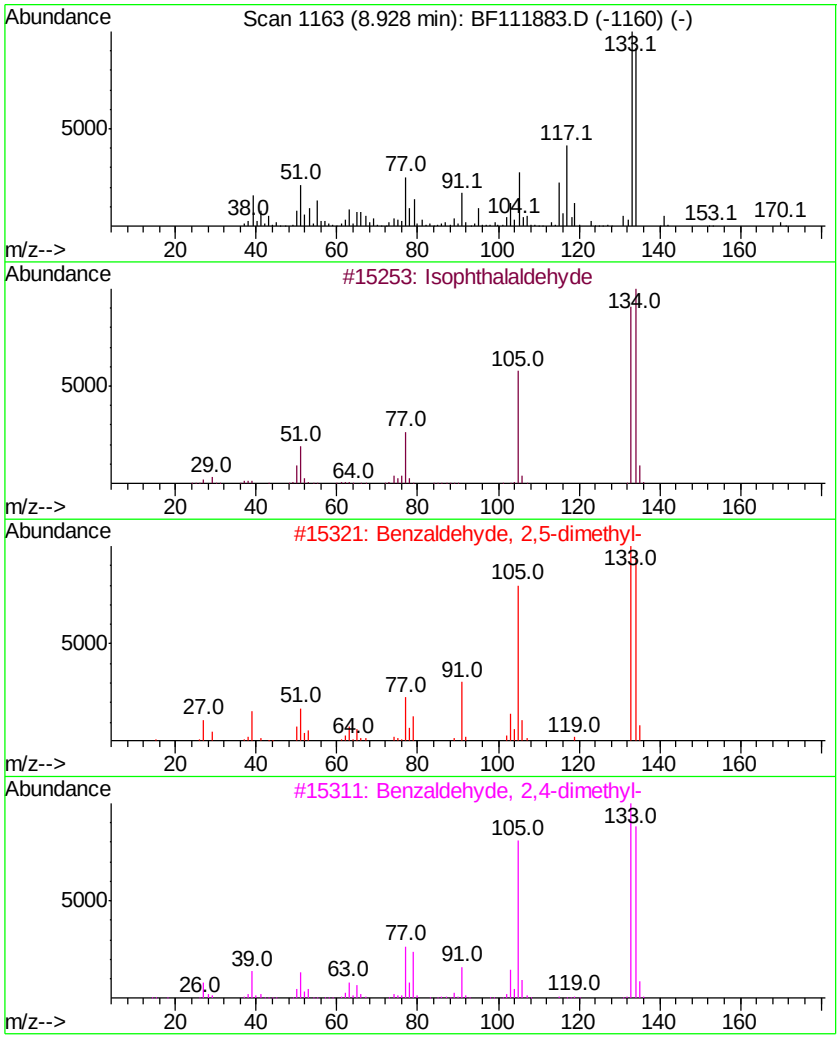
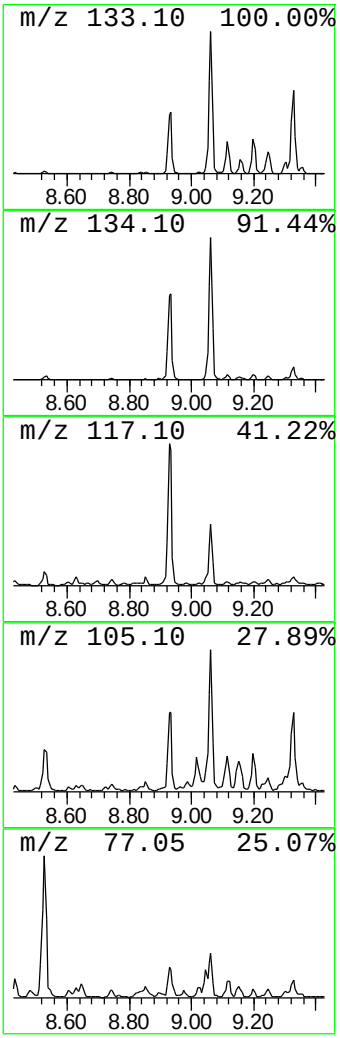
Peak Number 14 Isophthalaldehyde Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	22.81 ng	1287310	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isophthalaldehyde	134	C8H6O2	000626-19-7	64
2	Benzaldehyde, 2,5-dimethyl-	134	C9H10O	005779-94-2	58
3	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	53
4	Benzaldehyde, 4-ethyl-	134	C9H10O	004748-78-1	52
5	Phenol, 4-(2-propenyl)-	134	C9H10O	000501-92-8	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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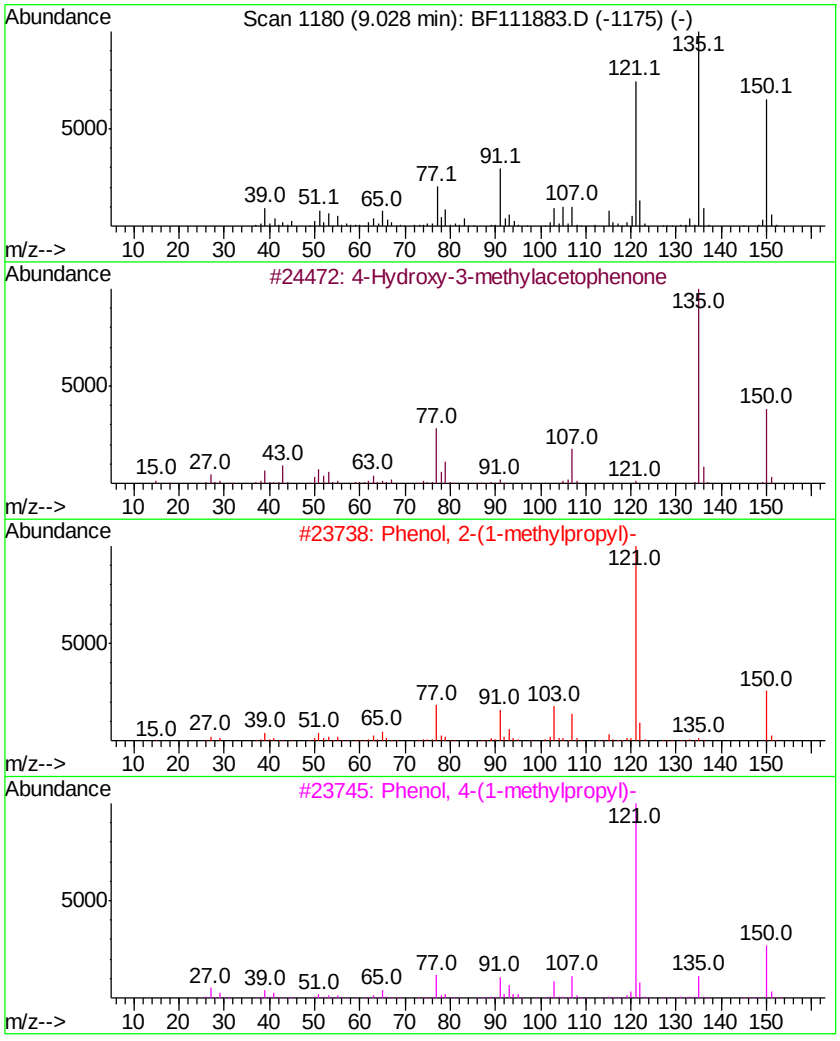
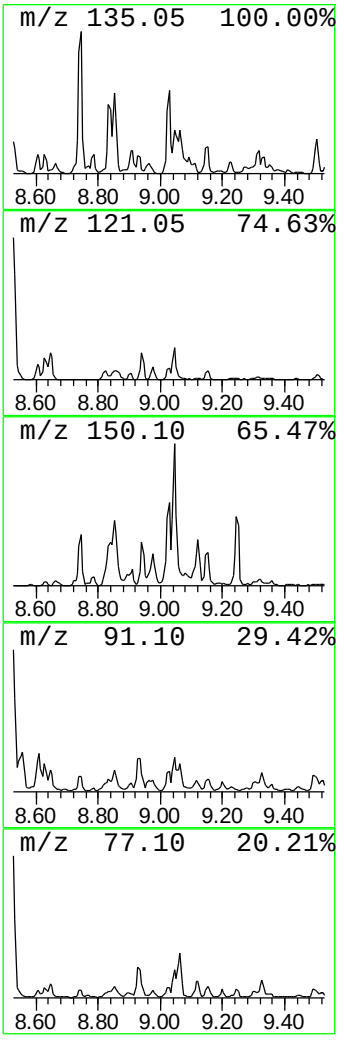
Peak Number 15 4-Hydroxy-3-methylacetophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	6.87 ng	387801	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3-methylacetophenone	150	C9H10O2	000876-02-8	60
2	Phenol, 2-(1-methylpropyl)-	150	C10H14O	000089-72-5	53
3	Phenol, 4-(1-methylpropyl)-	150	C10H14O	000099-71-8	52
4	Phenol, 3,5-diethyl-	150	C10H14O	001197-34-8	50
5	Benzene, 2-methoxy-1,3,5-trimethyl-	150	C10H14O	004028-66-4	50





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TIC Library : C:\DATABASE\NIST11.L
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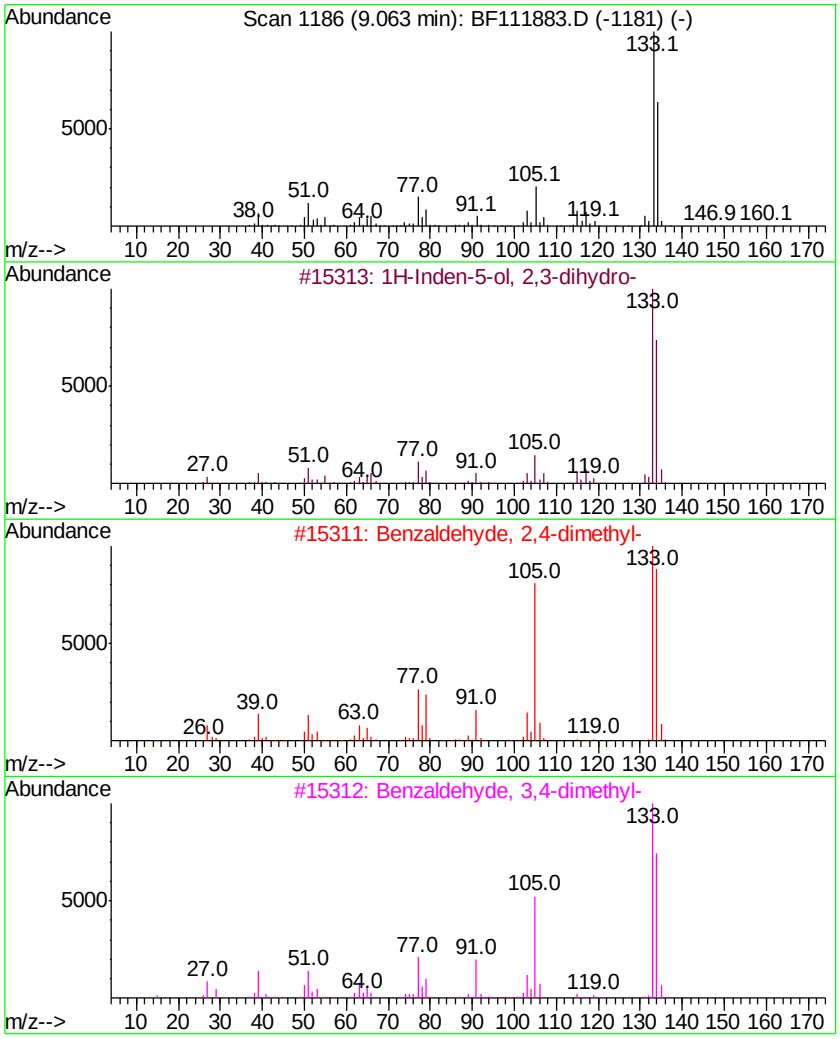
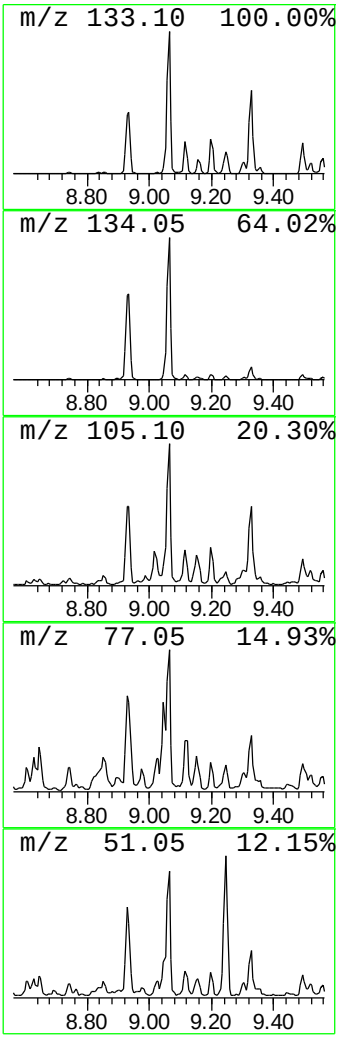
Peak Number 16 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	28.55 ng	1840390	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	93
2	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	80
3	Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	64
4	1H-Indol-5-ol	133	C8H7NO	001953-54-4	59
5	Isophthalaldehyde	134	C8H6O2	000626-19-7	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111883.D
Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4-DRUM

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

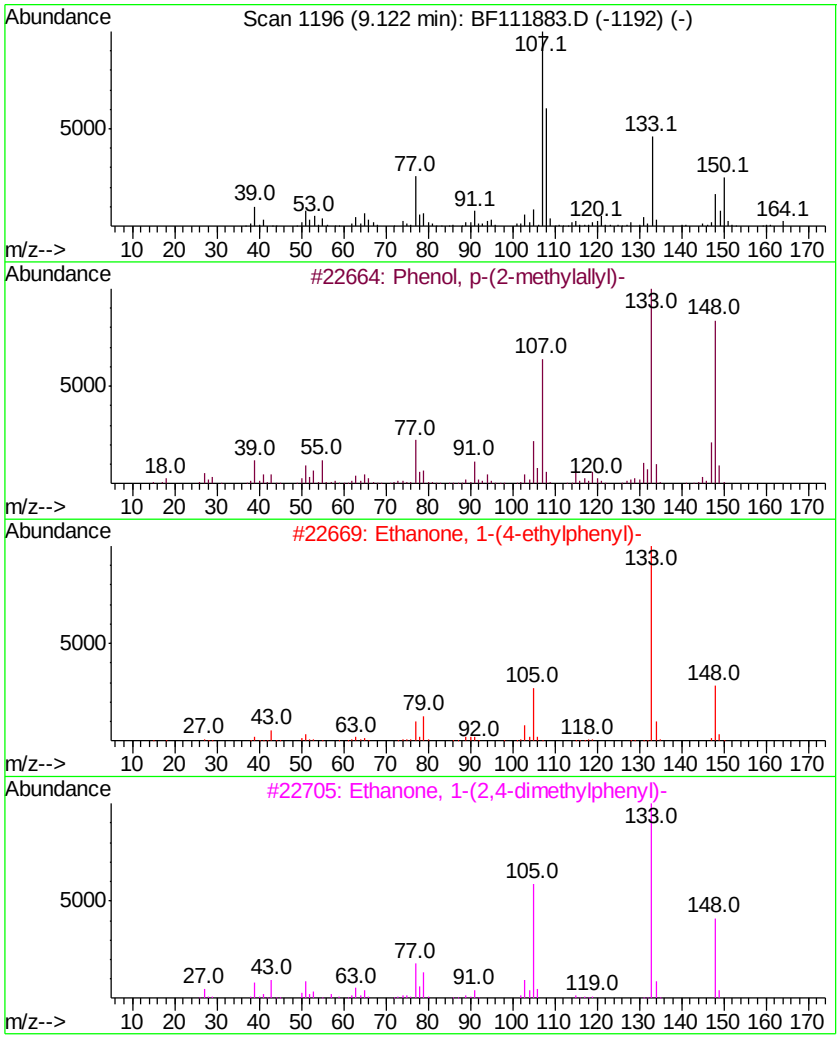
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

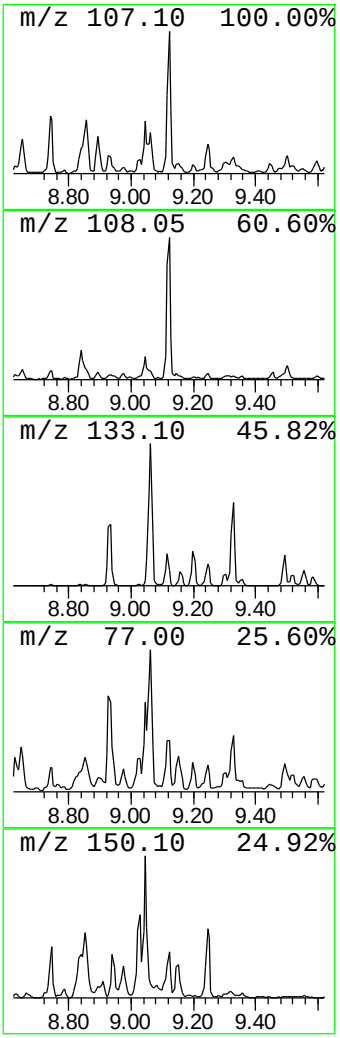
****

Peak Number 17 Phenol, p-(2-methylallyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	7.82 ng	504020	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-(2-methylallyl)-	148	C10H12O	033641-78-0	64
2	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	55
3	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	50
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
5	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111883.D
Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4-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

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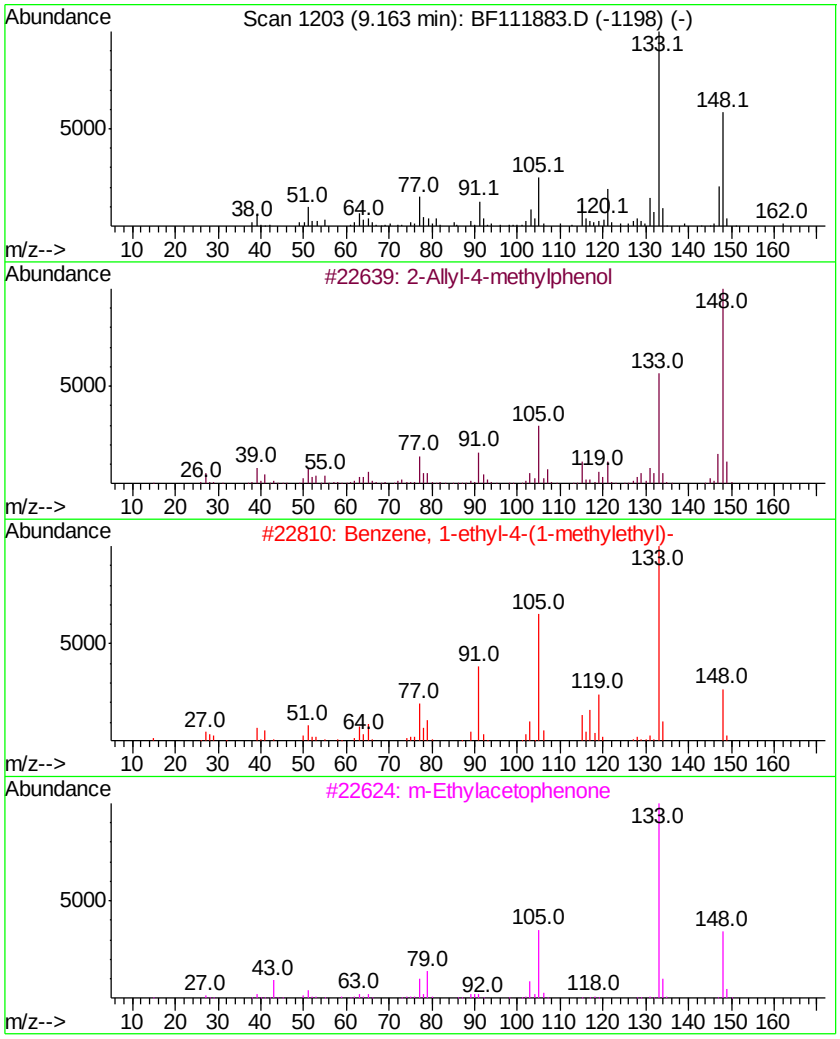
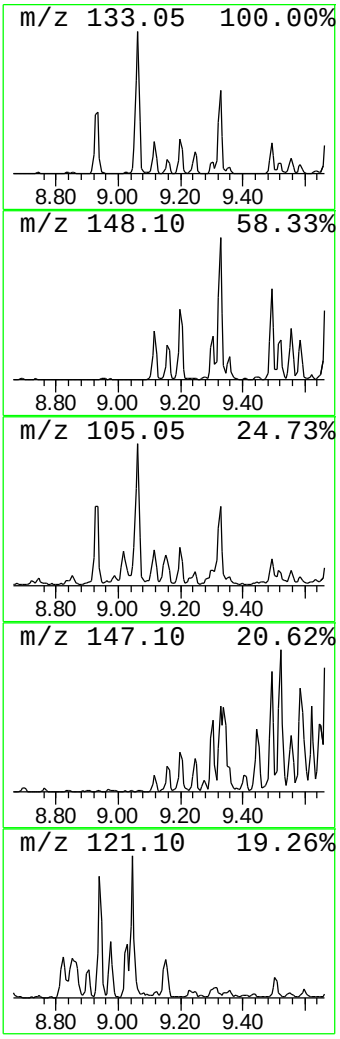
Peak Number 18 2-Allyl-4-methylphenol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	6.58 ng	424236	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	58
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	55
3	m-Ethylacetophenone	148	C10H12O	022699-70-3	55
4	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	55
5	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111883.D
Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4-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

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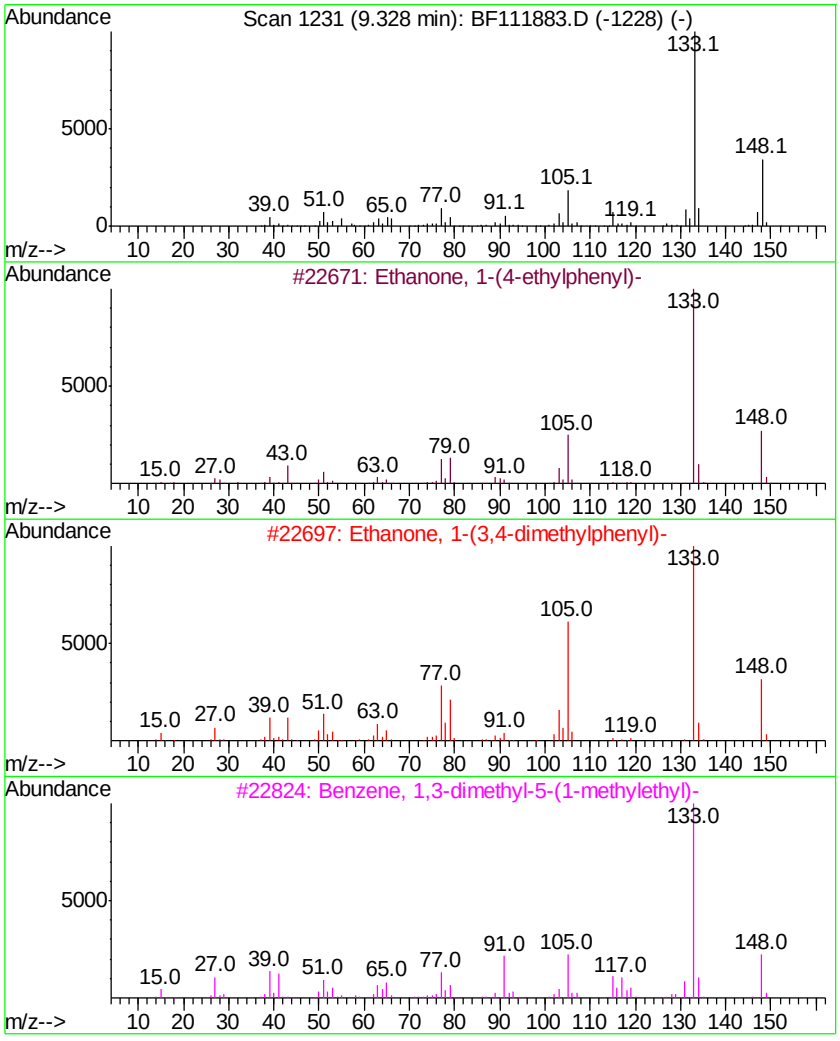
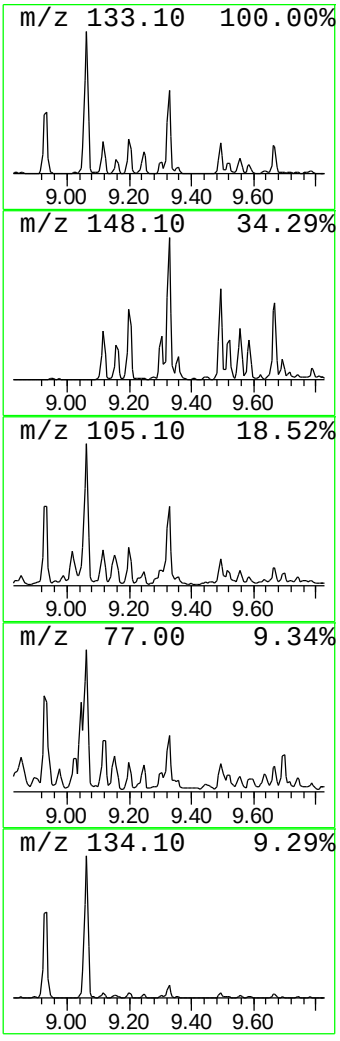
Peak Number 19 Ethanone, 1-(4-ethylphenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	9.44 ng	608500	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	83
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	72
4	5H-Cyclopentapyrazine, 6,7-dihyd...	148	C9H12N2	038917-61-2	72
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	64





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Data File : BF111883.D
Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4-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

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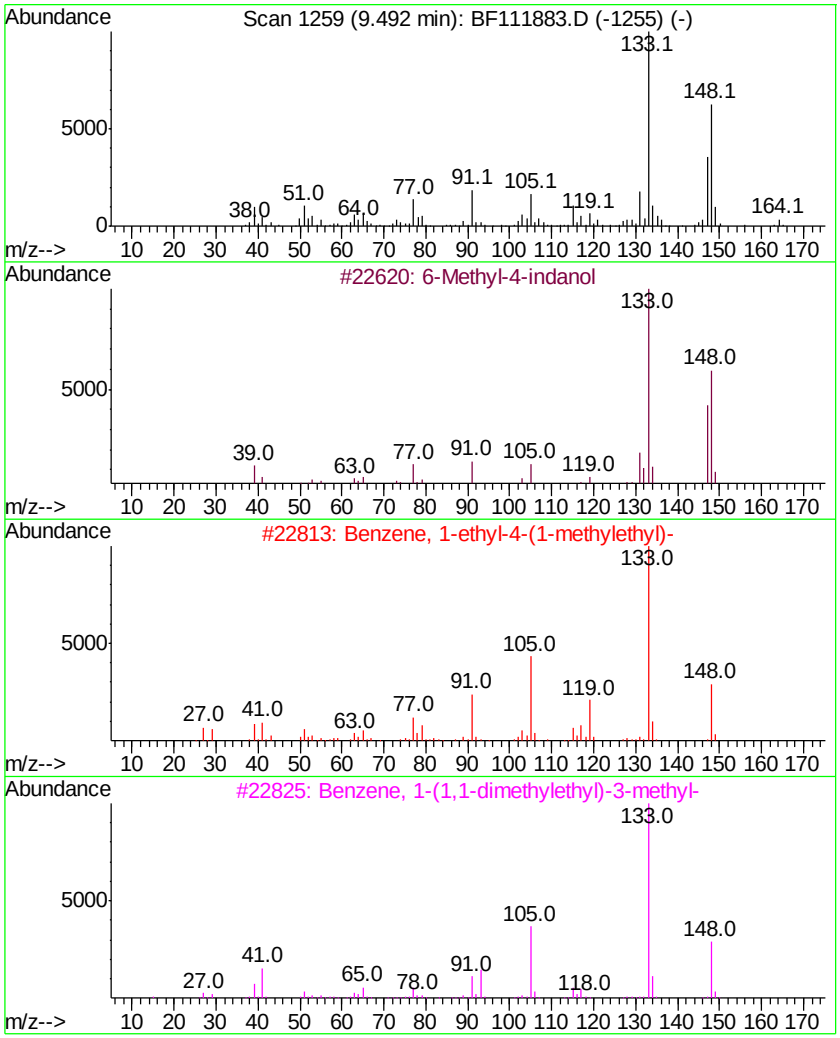
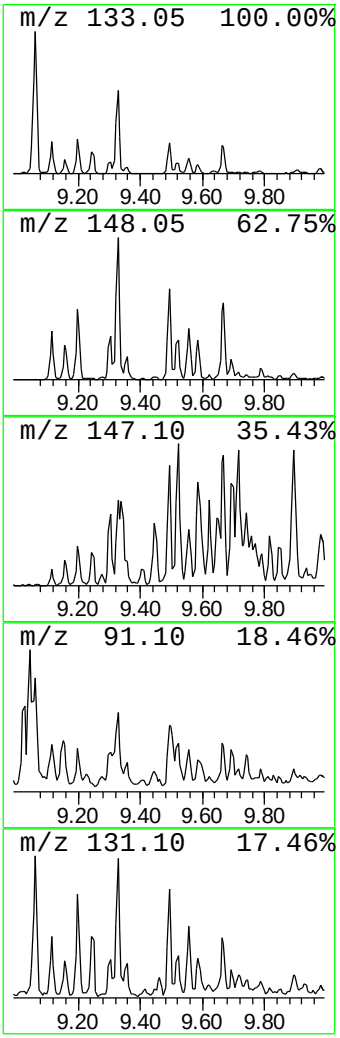
Peak Number 20 6-Methyl-4-indanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	8.71 ng	561504	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	93
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	76
3	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	70
4	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	70
5	m-Ethylacetophenone	148	C10H12O	022699-70-3	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010719\
Data File : BF111883.D
Acq On : 7 Jan 2019 18:20
Operator : JU/SJ
Sample : K1053-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4-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
Butane, 2-methoxy...	2.18	10.7	ng	544032	1	6.89	1017270	20.0
Hexylene glycol	6.05	10.4	ng	529050	1	6.89	1017270	20.0
Hexanoic acid	6.61	21.6	ng	1097640	1	6.89	1017270	20.0
unknown6.66	6.66	78.0	ng	3966210	1	6.89	1017270	20.0
4-Heptanol, 2,6-d...	6.70	6.2	ng	315988	1	6.89	1017270	20.0
1-Hexanol, 2-ethyl-	6.96	28.9	ng	1471160	1	6.89	1017270	20.0
Hexanoic acid, 2-...	7.60	15.5	ng	872622	2	8.17	1128960	20.0
Phenol, 4-(1-meth...	8.33	14.2	ng	800089	2	8.17	1128960	20.0
Phenol, 4-ethyl-3...	8.40	13.0	ng	733597	2	8.17	1128960	20.0
Phenol, 2-ethyl-4...	8.43	6.6	ng	371376	2	8.17	1128960	20.0
Benzene, 1-ethyl-...	8.53	58.4	ng	3298390	2	8.17	1128960	20.0
2,4-Dimethylanisole	8.61	6.1	ng	345074	2	8.17	1128960	20.0
Phenol, 2,3,5-tri...	8.63	5.8	ng	326724	2	8.17	1128960	20.0
Isophthalaldehyde	8.93	22.8	ng	1287310	2	8.17	1128960	20.0
4-Hydroxy-3-methy...	9.03	6.9	ng	387801	2	8.17	1128960	20.0
1H-Inden-5-ol, 2,...	9.06	28.6	ng	1840390	3	9.93	1289200	20.0
Phenol, p-(2-meth...	9.12	7.8	ng	504020	3	9.93	1289200	20.0
2-Allyl-4-methylp...	9.16	6.6	ng	424236	3	9.93	1289200	20.0
Ethanone, 1-(4-et...	9.33	9.4	ng	608500	3	9.93	1289200	20.0
6-Methyl-4-indanol	9.49	8.7	ng	561504	3	9.93	1289200	20.0