LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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	2.925	60	69	73	rBV2	32763	100777	1.51%	0.086%
2	3.851	146	150	155	rVB2	214314	500106	7.50%	0.426%
3	4.000	155	163	167	rBV	241884	506315	7.60%	0.431%
4	4.160	171	177	180	rBV	199924	349521	5.24%	0.298%
5	4.320	187	191	192	rBV	88055	160779	2.41%	0.137%
6	4.366	192	195	200	rVV2	85306	204310	3.07%	0.174%
7	4.491	203	206	210	rVV2	420219	811361	12.18%	0.691%
8	4.617	213	217	221	rBV2	248251	404736	6.07%	0.345%
9	4.766	228	230	233	rBV	79449	146931	2.20%	0.125%
10	4.811	233	234	236	rVB	102387	124890	1.87%	0.106%
11	4.869	236	239	240	rBV2	71799	106585	1.60%	0.091%
12	4.926	240	244	247	rVV2	289515	512713	7.69%	0.437%
13	5.029	247	253	256	rVV3	372564	1175834	17.64%	1.002%
14	5.097	256	259	262	rVV2	957692	2106510	31.61%	1.795%
15	5.154	263	264	266	rVV2	180650	194407	2.92%	0.166%
16	5.223	266	270	271	rVV2	148251	346595	5.20%	0.295%
17	5.291	273	276	278	rVV	577049	773617	11.61%	0.659%
18	5.326	278	279	281	rVV2	198361	267064	4.01%	0.228%
19	5.371	281	283	285	rVV2	776333	1397034	20.96%	1.190%
20	5.406	285	286	288	rVV	613066	582355	8.74%	0.496%
21	5.486	290	293	294	rVV	1913939	3983105	59.77%	3.394%
22	5.509	294	295	297	rVV	2502417	2046589	30.71%	1.744%
23	5.577	300	301	303	rVV2	278115	363998	5.46%	0.310%
24	5.657	306	308	311	rVV2	413394	814503	12.22%	0.694%
25	5.703	311	312	314	rVV	445672	436885	6.56%	0.372%
26	5.749	314	316	319	rVV2	384892	778945	11.69%	0.664%
27	5.806	319	321	324	rVV	1196478	1523571	22.86%	1.298%
28	5.874	324	327	328	rVV2	93473	207004	3.11%	0.176%
29	5.920	328	331	332	rVV3	522280	822070	12.34%	0.700%
30	5.966	332	335	339	rVV2	298784	785461	11.79%	0.669%
31	6.057	339	343	345	rVV3	644894	1383444	20.76%	1.179%
32	6.091	345	346	348	rVV	294127	436122	6.54%	0.372%
33	6.149	348	351	354	rVV3	1026177	1949886	29.26%	1.661%
34	6.194	354	355	358	rVV2	345198	751954	11.28%	0.641%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.240	358	359	362	rVV3	276079	580561	8.71%	0.495%
36	6.286	362	363	365	rVV	242113	296045	4.44%	0.252%
37	6.332	365	367	368	rVV2	526763	868479	13.03%	0.740%
38	6.366	368	370	372	rVV	916258	1407324	21.12%	1.199%
39	6.400	372	373	374	rVV	857974	711162	10.67%	0.606%
40	6.434	374	376	377	rVV	3742535	3984326	59.79%	3.395%
41	6.457	377	378	380	rVV	1536572	1980670	29.72%	1.688%
42	6.503	380	382	384	rVV2	1865265	3285540	49.30%	2.799%
43	6.537	384	385	387	rVV	1909325	2119064	31.80%	1.806%
44	6.594	387	390	392	rVV	1600871	2248760	33.74%	1.916%
45	6.640	392	394	395	rVV2	376791	683625	10.26%	0.582%
46	6.674	395	397	400	rVV	2549044	3359456	50.41%	2.862%
47	6.743	400	403	404	rVV	4937603	6664098	100.00%	5.678%
48	6.766	404	405	406	rVV	303551	337117	5.06%	0.287%
49	6.857	410	413	415	rVV2	430154	1172232	17.59%	0.999%
50	6.914	415	418	421	rVV2	1040973	2205270	33.09%	1.879%
51	6.960	421	422	426	rVV2	1713202	2746929	41.22%	2.340%
52	7.017	426	427	428	rVV	351276	356882	5.36%	0.304%
53	7.063	428	431	436	rVV3	2374276	3968864	59.56%	3.382%
54	7.132	436	437	438	rVV	288999	354581	5.32%	0.302%
55	7.177	438	441	443	rVV2	1306577	2632721	39.51%	2.243%
56	7.223	443	445	449	rVV	2042821	3321308	49.84%	2.830%
57	7.303	449	452	453	rVV2	994384	1415149	21.24%	1.206%
58	7.326	453	454	456	rVV	222488	419660	6.30%	0.358%
59	7.372	456	458	459	rVV	1163079	1231098	18.47%	1.049%
60	7.440	462	464	466	rVV	1540057	2547363	38.23%	2.170%
61	7.474	466	467	471	rVV3	1952867	3570048	53.57%	3.042%
62	7.555	471	474	476	rVV2	674499	1138025	17.08%	0.970%
63	7.589	476	477	481	rVV5	649442	1331795	19.98%	1.135%
64	7.680	481	485	486	rVV	1202712	1772642	26.60%	1.510%
65	7.703	486	487	489	rVV	1578487	1596973	23.96%	1.361%
66	7.817	493	497	498	rVV4	519690	1485782	22.30%	1.266%
67	7.863	498	501	503	rVV2	954993	1981234	29.73%	1.688%
68	7.932	503	507	508	rVV2	1775766	2571683	38.59%	2.191%
69	7.955	508	509	511	rVV2	582508	851745	12.78%	0.726%
70	8.000	511	513	517	rVV3	452101	1229622	18.45%	1.048%
71	8.057	517	518	520	rVV	475919	567842	8.52%	0.484%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.137	522	525	526	rVV2	362700	768571	11.53%	0.655%
73	8.172	526	528	529	rVV	1398179	1902696	28.55%	1.621%
74	8.217	531	532	533	rVV	1240938	1083790	16.26%	0.923%
75	8.240	533	534	536	rVV2	656611	828055	12.43%	0.706%
76	8.275	536	537	541	rVV	391219	716314	10.75%	0.610%
77	8.343	541	543	546	rVV4	229133	631195	9.47%	0.538%
78	8.480	549	555	557	rVV6	343407	1210373	18.16%	1.031%
79	8.572	561	563	565	rVV3	340031	559620	8.40%	0.477%
80	8.606	565	566	569	rVV2	264981	474716	7.12%	0.404%
81	8.652	569	570	572	rVV	236738	346351	5.20%	0.295%
82	8.697	572	574	577	rVV3	232624	467582	7.02%	0.398%
83	8.777	580	581	583	rVV2	573411	566871	8.51%	0.483%
84	8.823	583	585	587	rVV2	108902	248920	3.74%	0.212%
85	8.903	591	592	594	rVV	630003	583390	8.75%	0.497%
86	9.006	598	601	603	rVV	449701	501589	7.53%	0.427%
87	9.269	621	624	626	rBV	2852067	2598976	39.00%	2.214%
88	9.338	629	630	632	rVB	99206	113610	1.70%	0.097%
89	9.532	644	647	650	rBV	70996	106568	1.60%	0.091%
90	9.658	657	658	661	rVV	480755	646614	9.70%	0.551%
91	9.875	673	677	678	rBV2	95262	113858	1.71%	0.097%
92	9.943	681	683	686	rBV2	737638	801817	12.03%	0.683%
93	10.366	717	720	722	rBV	71668	109076	1.64%	0.093%
94	10.732	750	752	755	rBV2	1181694	1400294	21.01%	1.193%
95	10.846	760	762	765	rBV	102495	125897	1.89%	0.107%
96	11.429	811	813	816	rBV	497468	636116	9.55%	0.542%
97	13.018	950	952	955	rBV	1844445	2018108	30.28%	1.720%
98	13.909	1028	1030	1039	rBV	121584	193613	2.91%	0.165%
99	14.069	1042	1044	1051	rBV	567025	756418	11.35%	0.644%
100	15.532	1169	1172	1185	rBV	518767	802763	12.05%	0.684%

Sum of corrected areas: 117365413

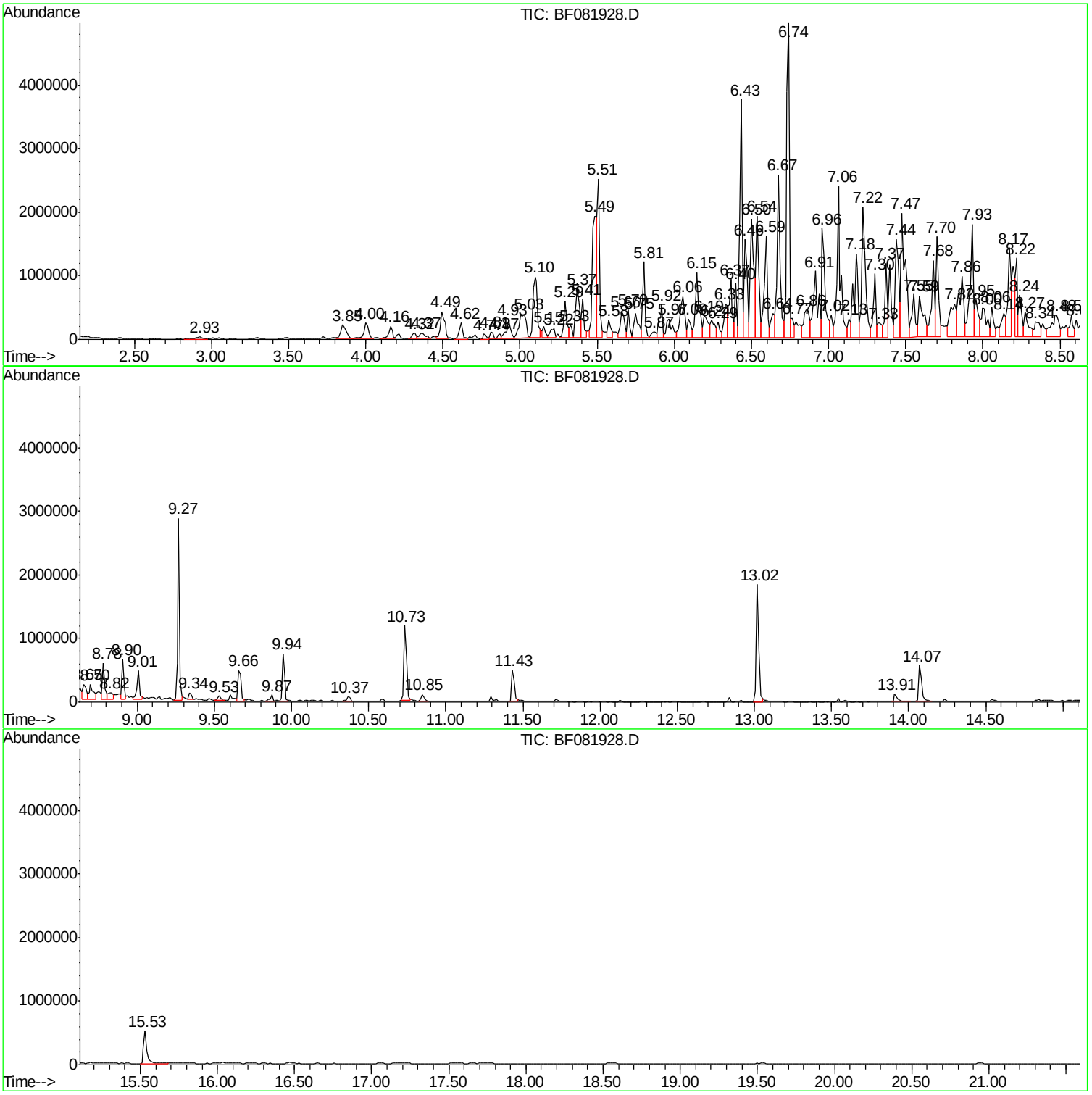
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

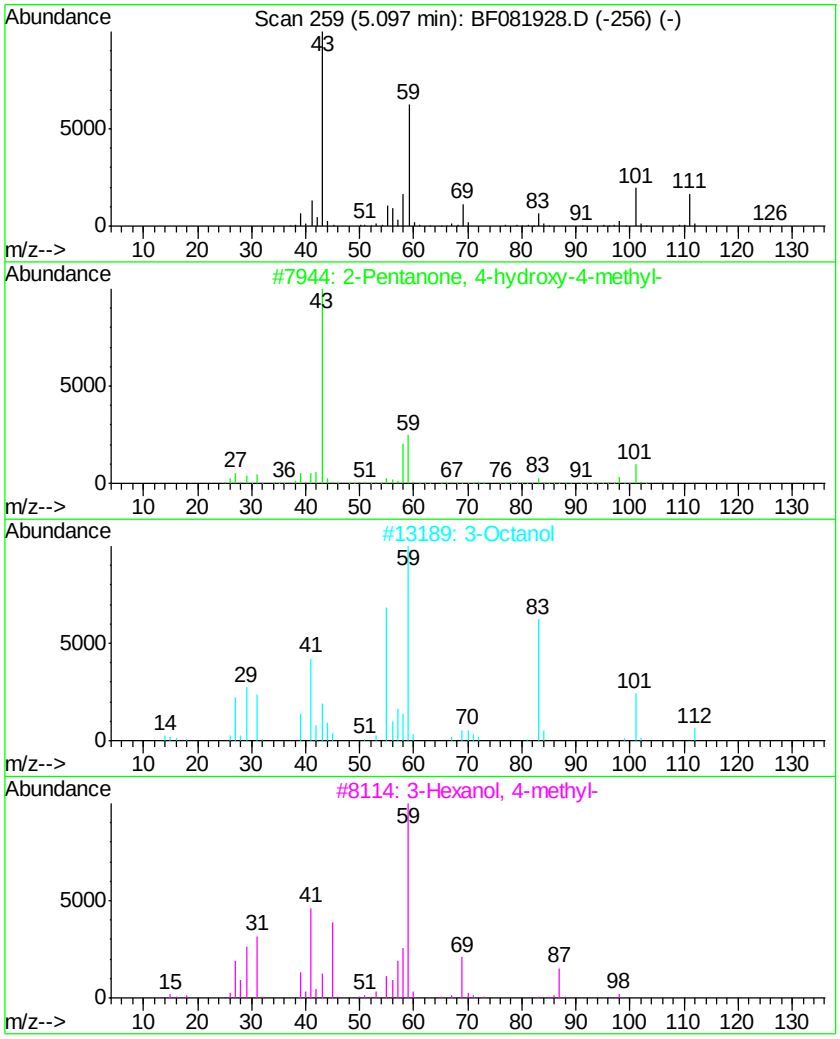
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

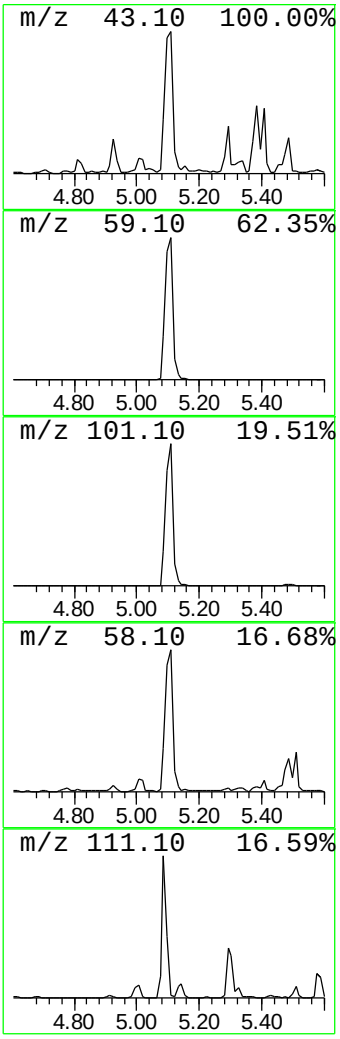
****

Peak Number 1 unknown5.10 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	19.10 ng	2106510	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	3-Octanol	130	C8H18O	000589-98-0	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
4	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	23
5	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

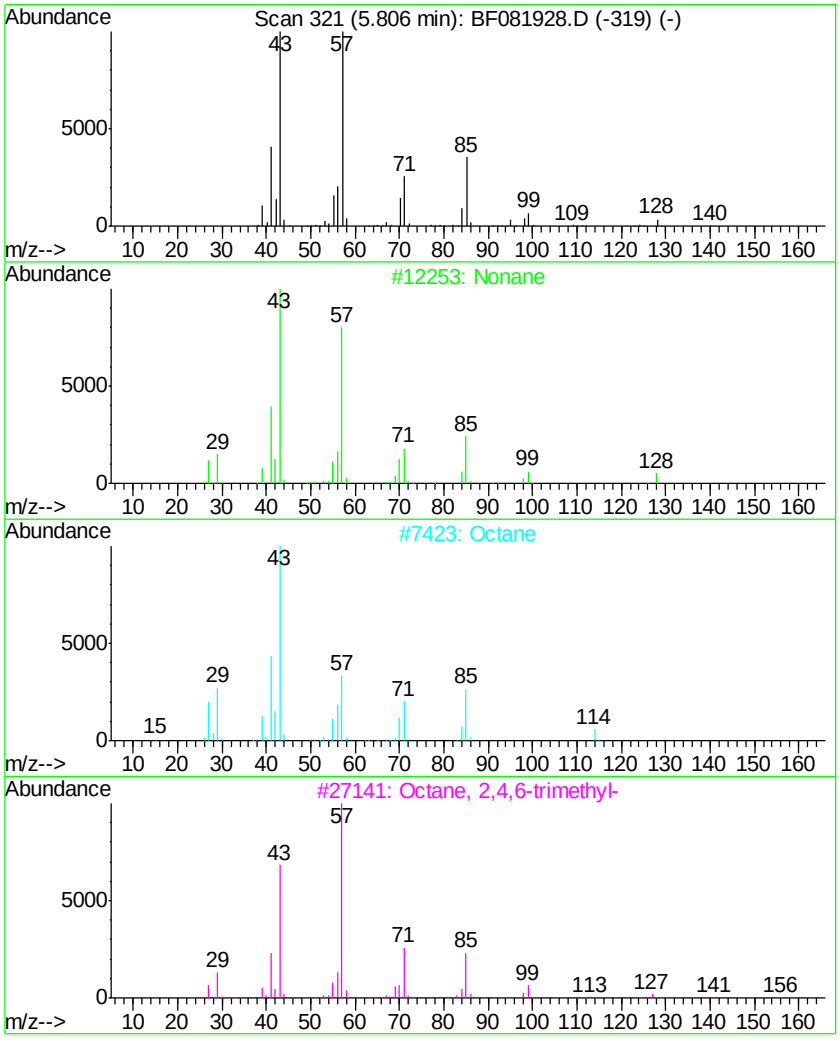
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

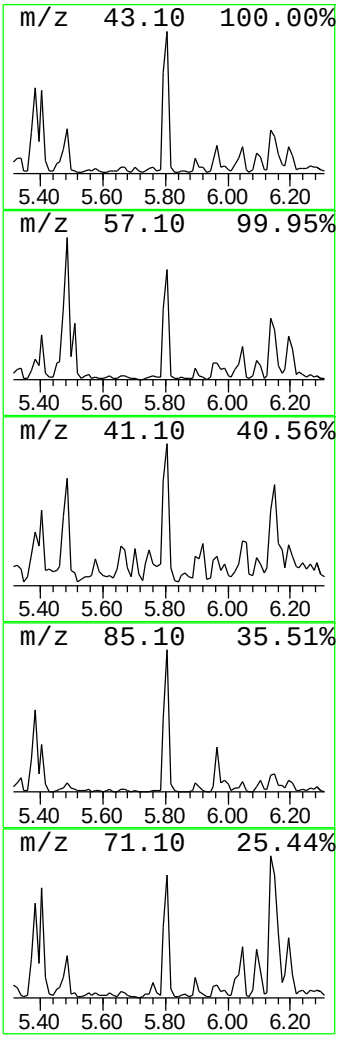
****

Peak Number 2 Nonane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.81	13.82 ng	1523570	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	91
2	Octane	114	C8H18	000111-65-9	59
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

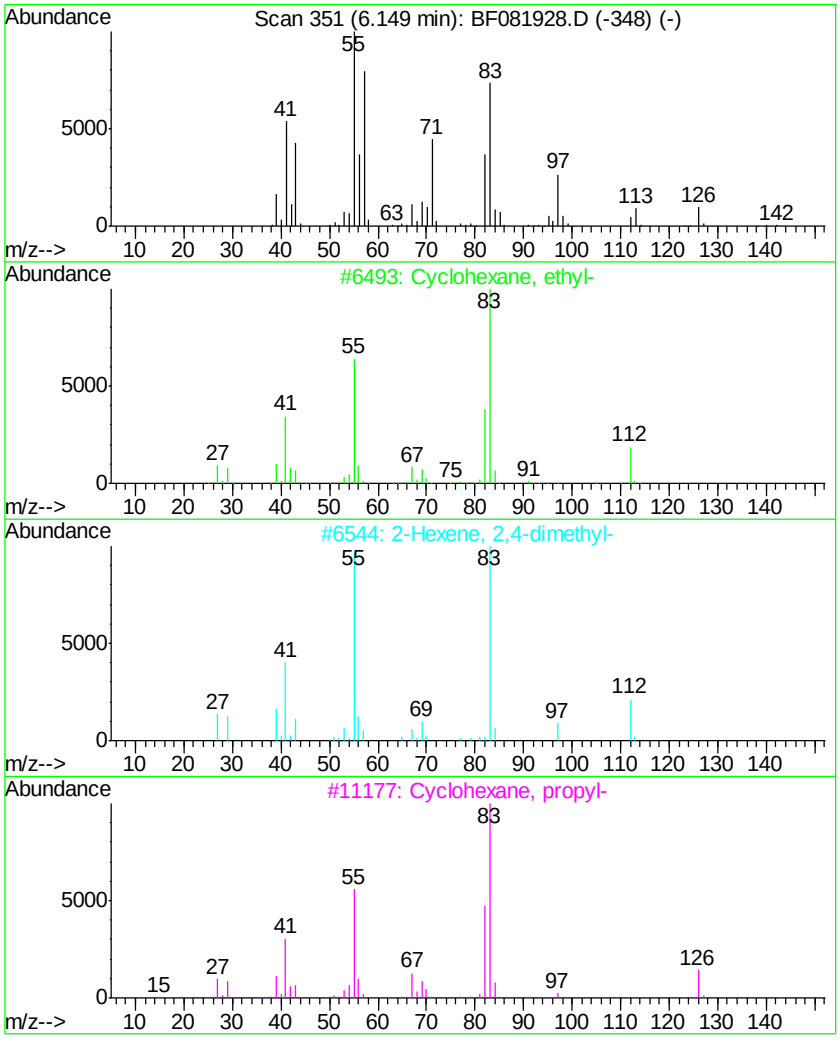
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

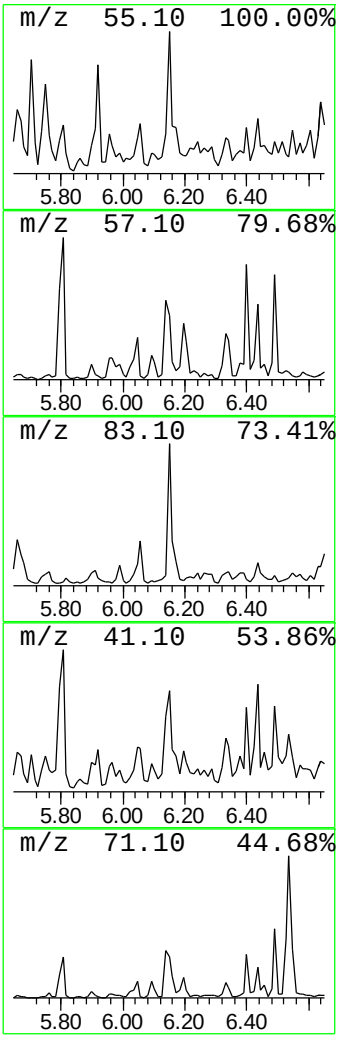
****

Peak Number 3 unknown6.15 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	17.68 ng	1949890	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	43
2	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	43
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	43
4	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	38
5	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

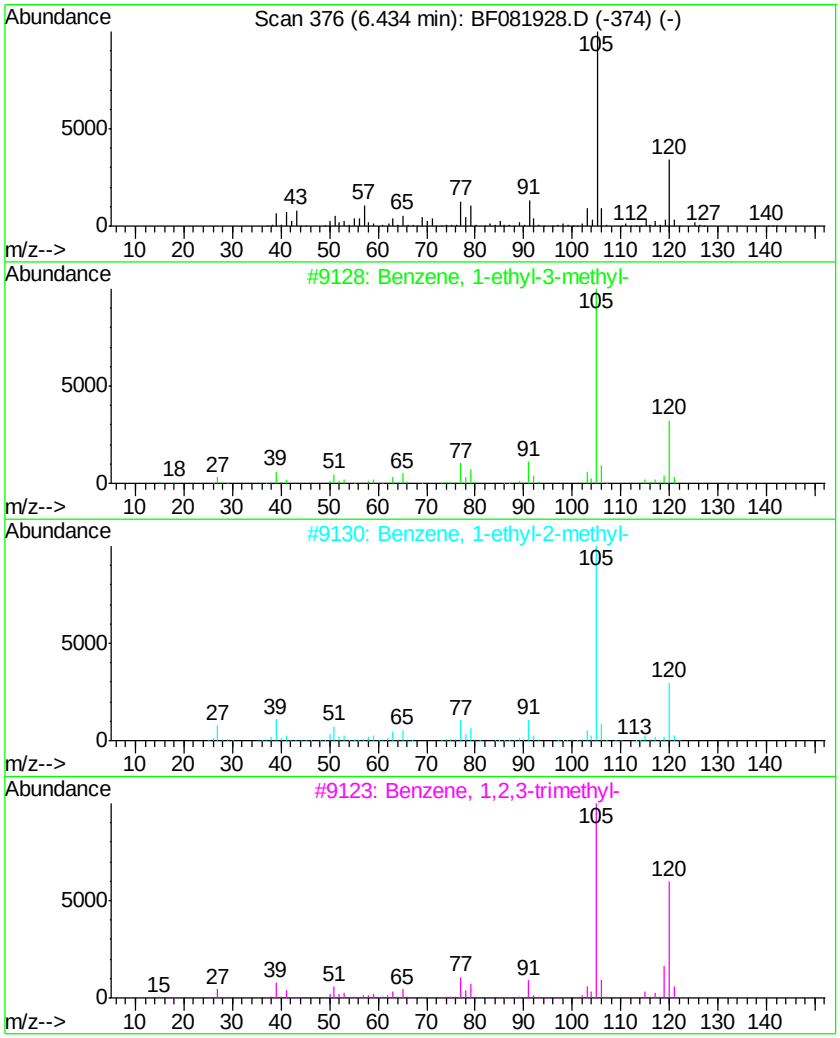
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

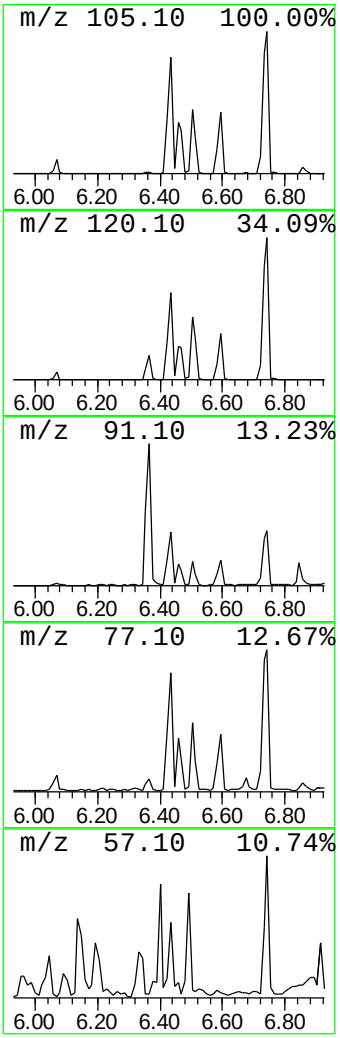
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	36.13 ng	3984330	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

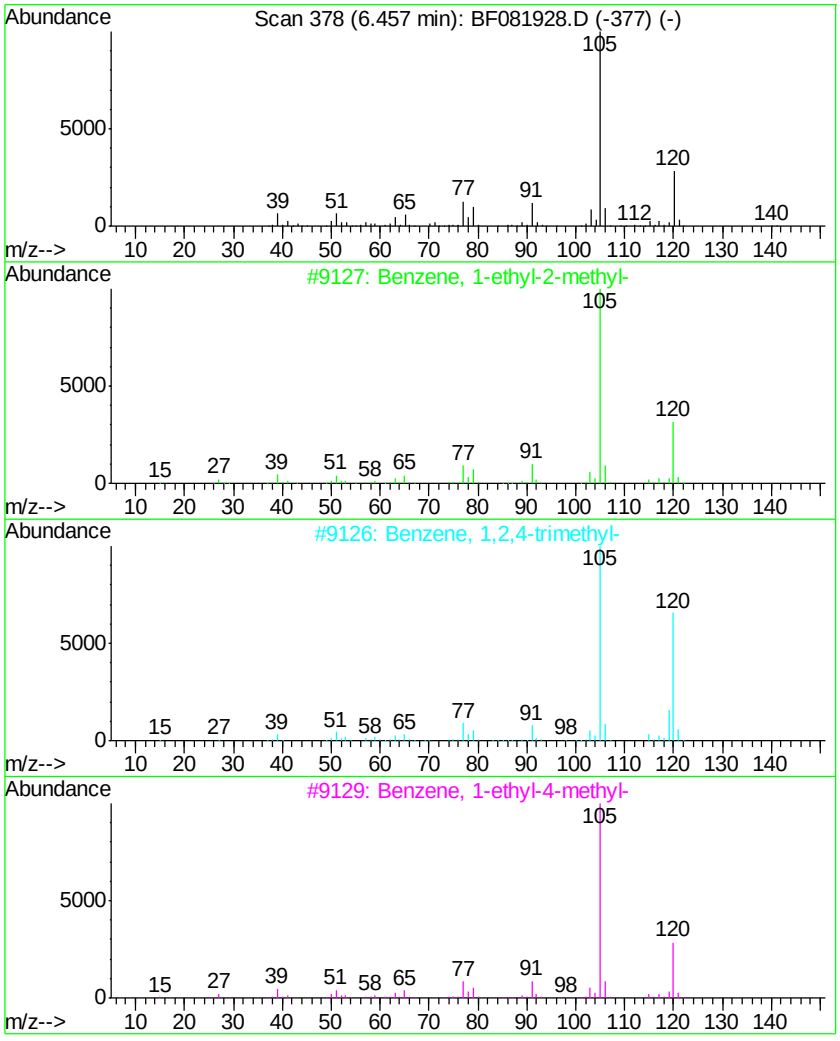
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

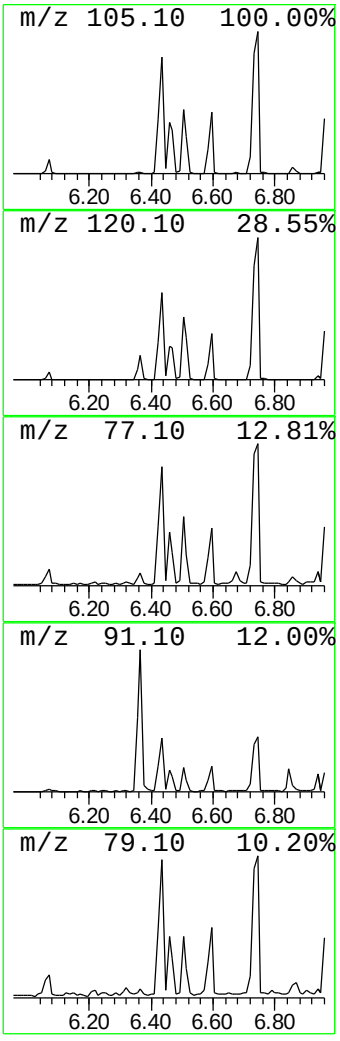
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	17.96 ng	1980670	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

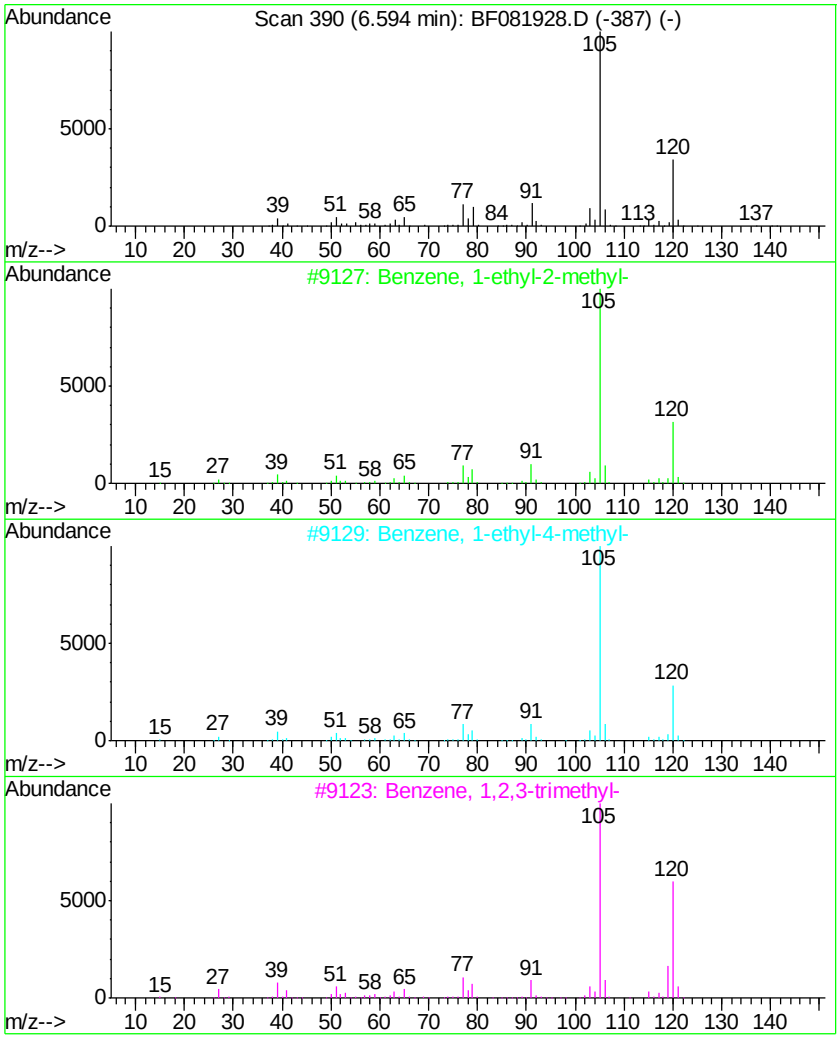
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

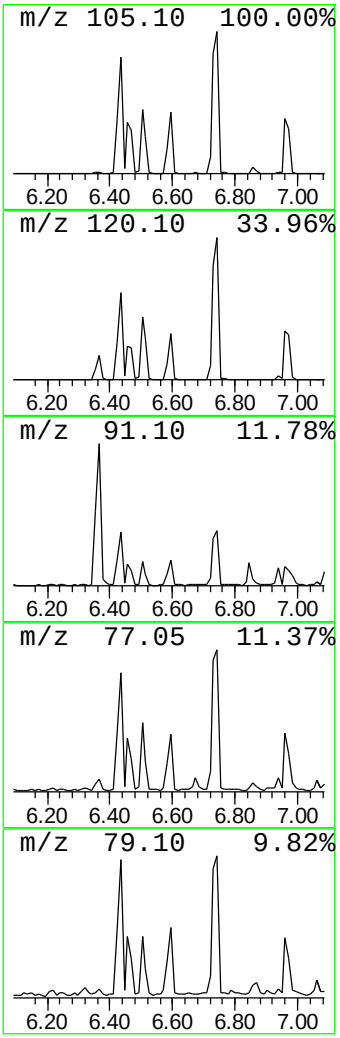
****

Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	20.39 ng	2248760	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

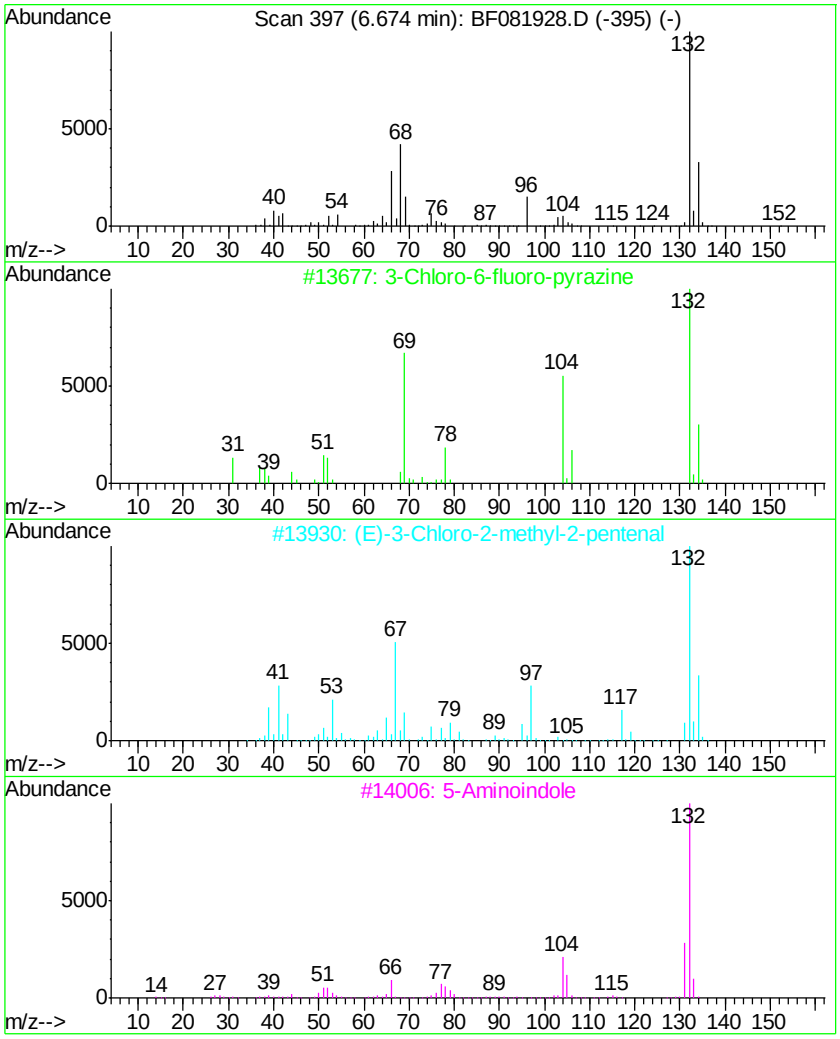
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

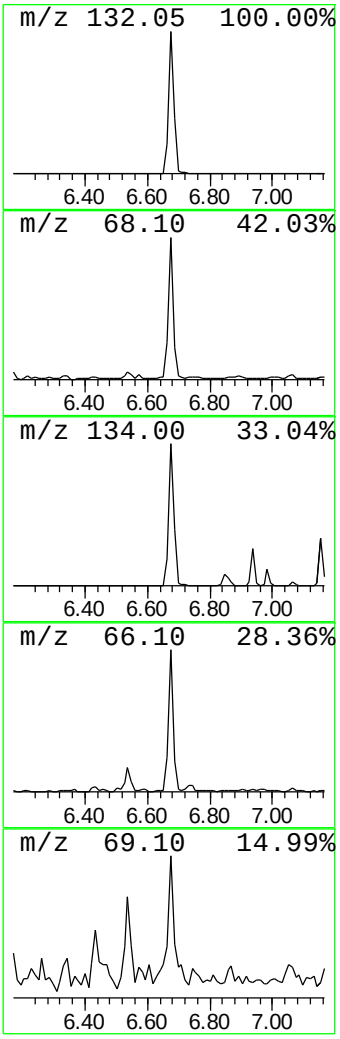
****

Peak Number 8 unknown6.67 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	30.47 ng	3359460	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

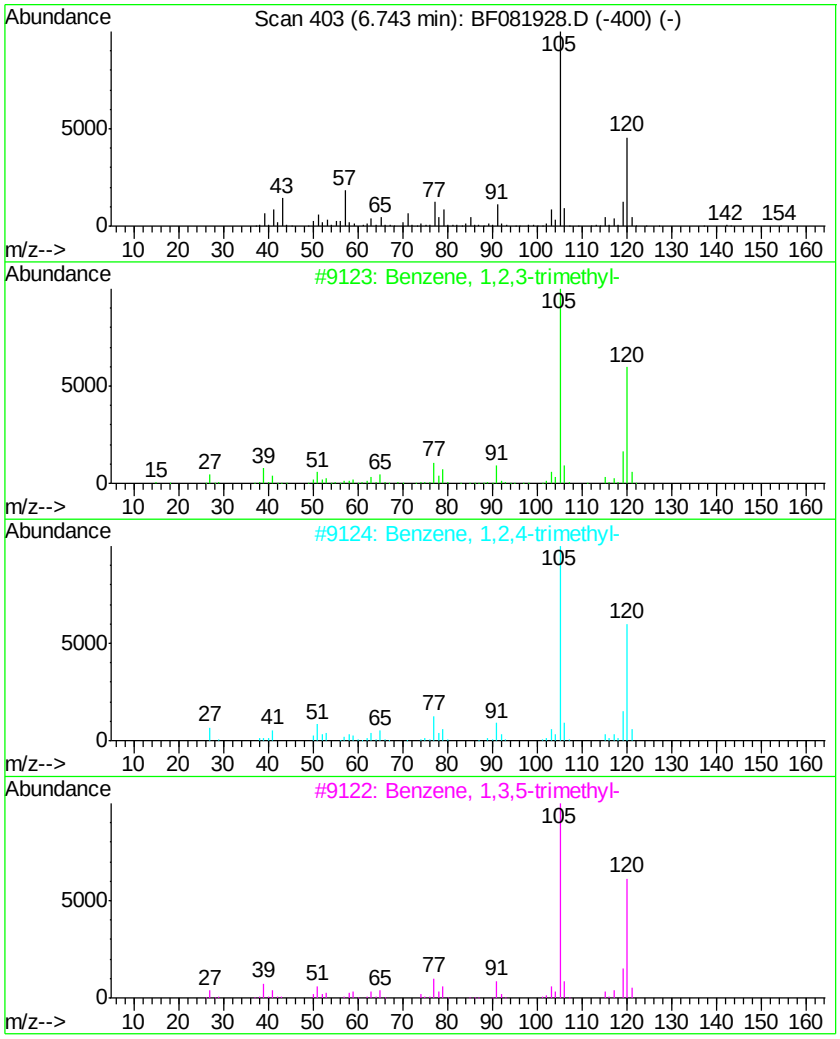
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

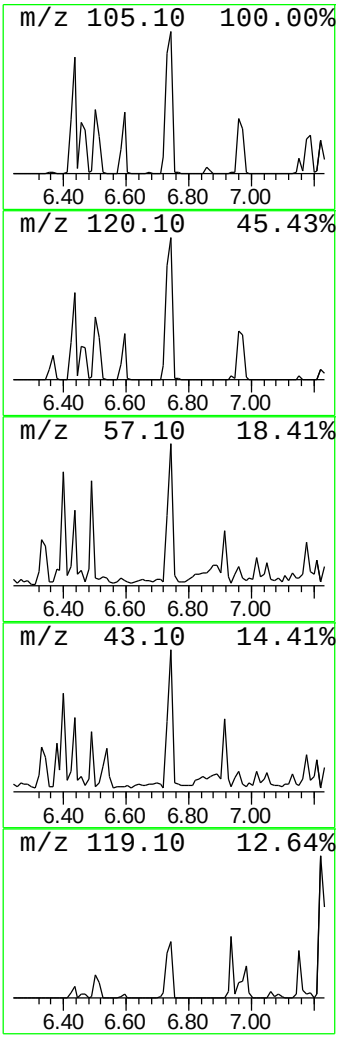
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	60.44 ng	6664100	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

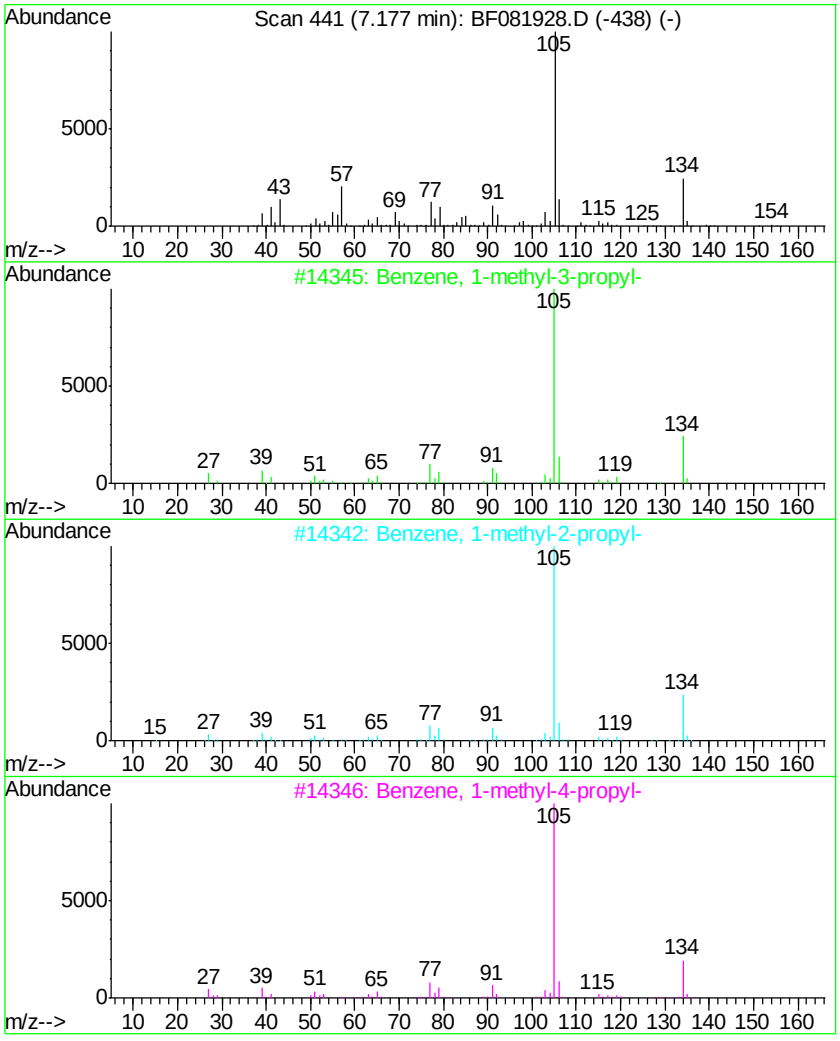
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

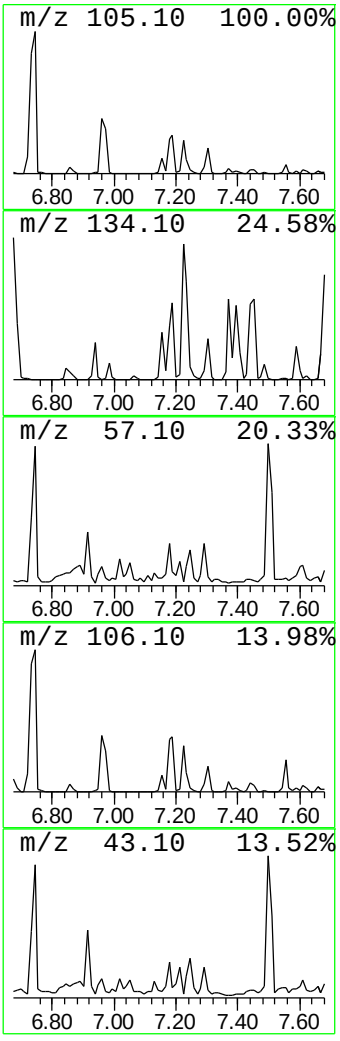
****

Peak Number 11 Benzene, 1-methyl-3-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	23.88 ng	2632720	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	93
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
4	2-Tolyloxirane	134	C9H10O	002783-26-8	74
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

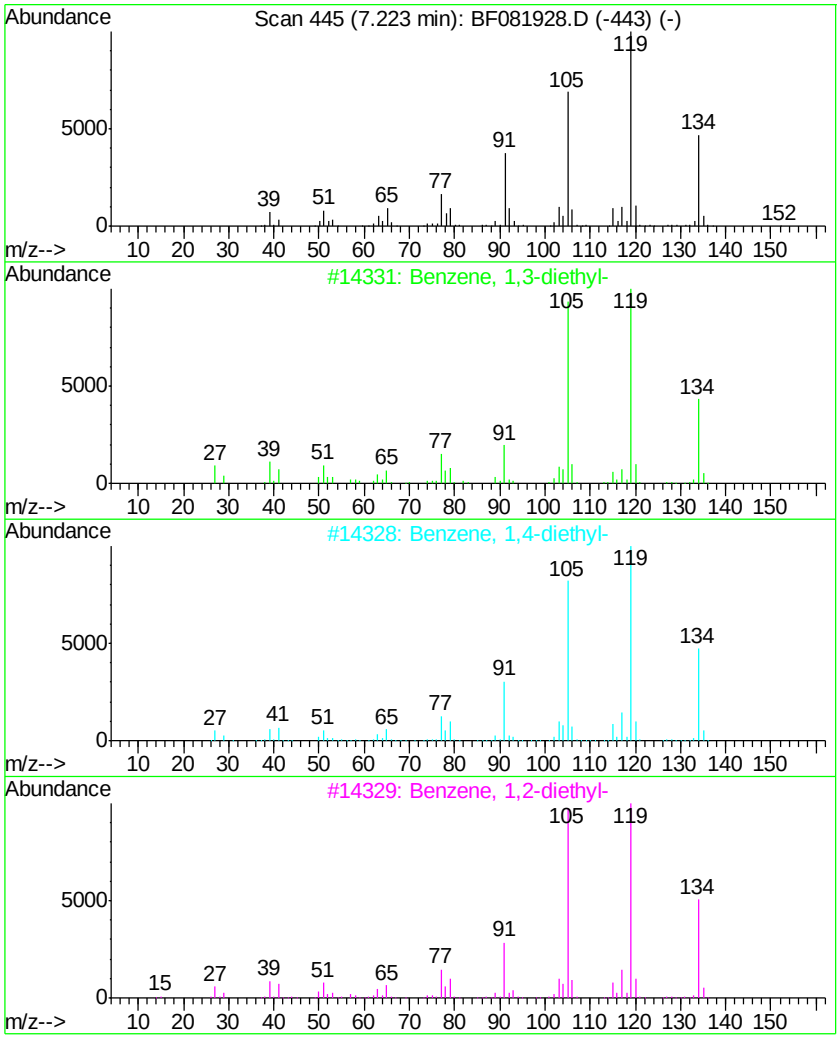
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

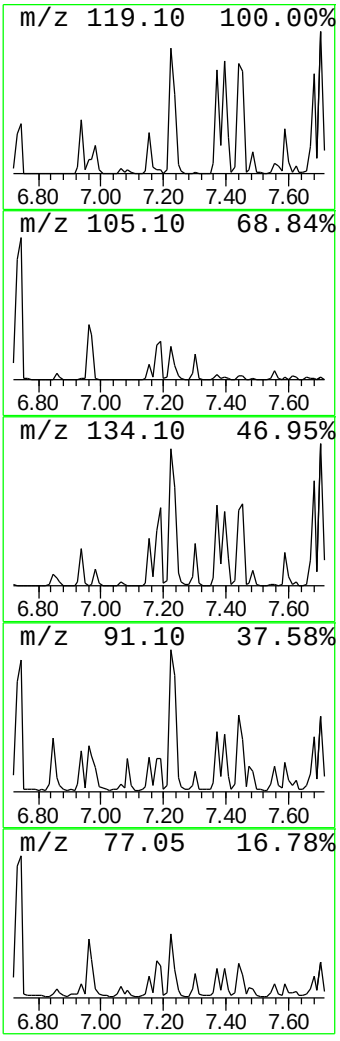
****

Peak Number 12 Benzene, 1,3-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	30.12 ng	3321310	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

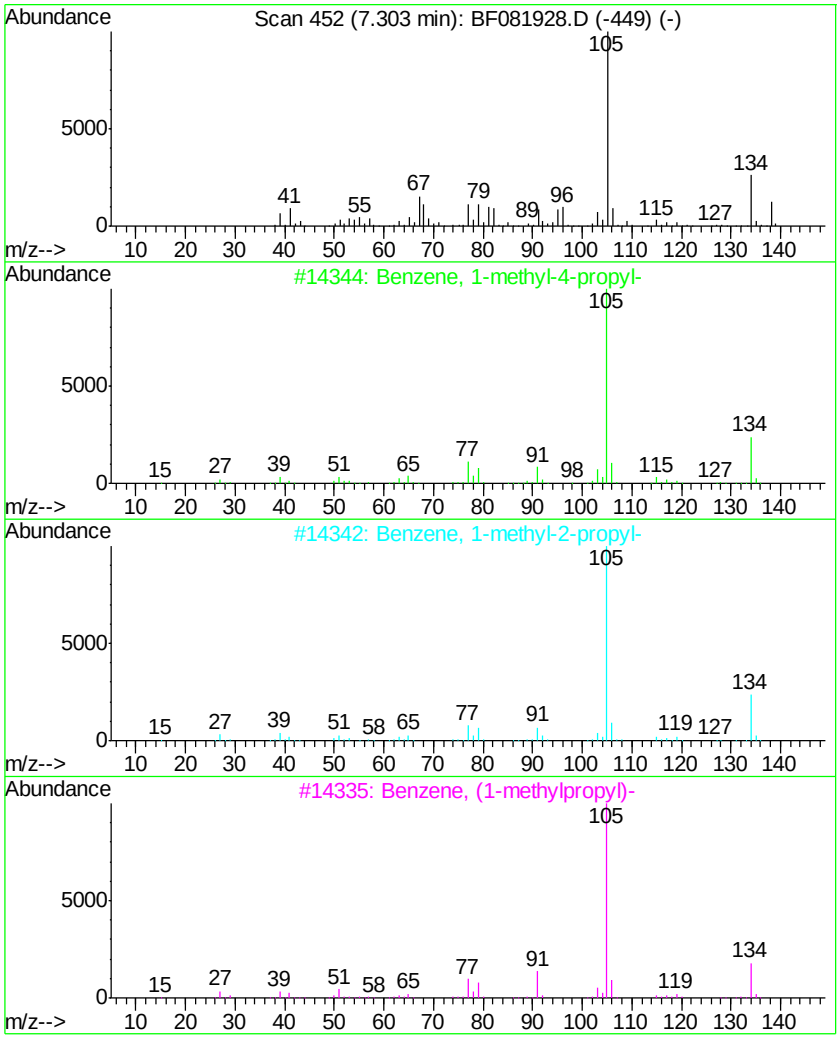
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

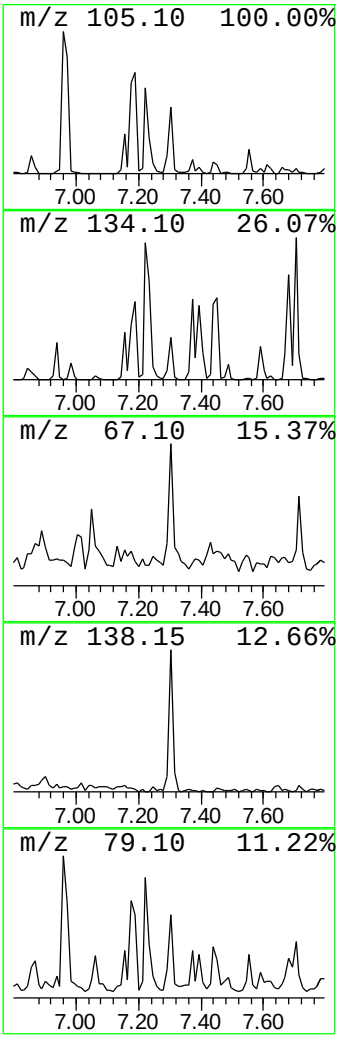
****

Peak Number 13 Benzene, 1-methyl-4-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	12.83 ng	1415150	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	60
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	53
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	47
5	2-Tolyloxirane	134	C9H10O	002783-26-8	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

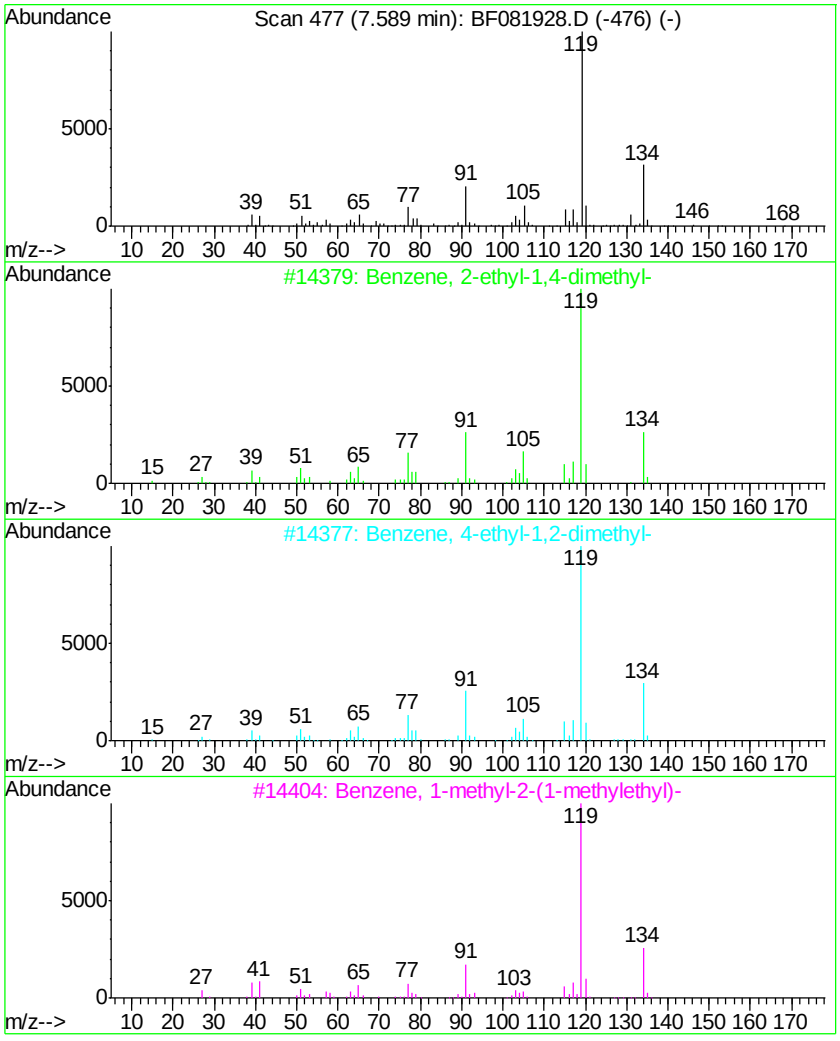
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

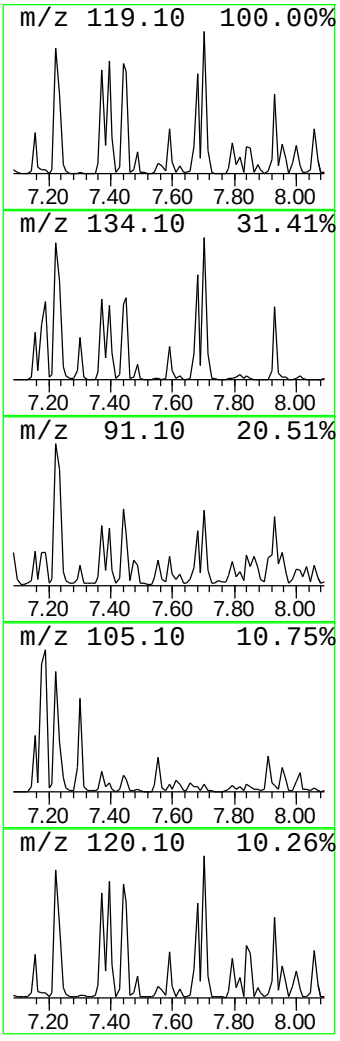
****

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	14.00 ng	1331800	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

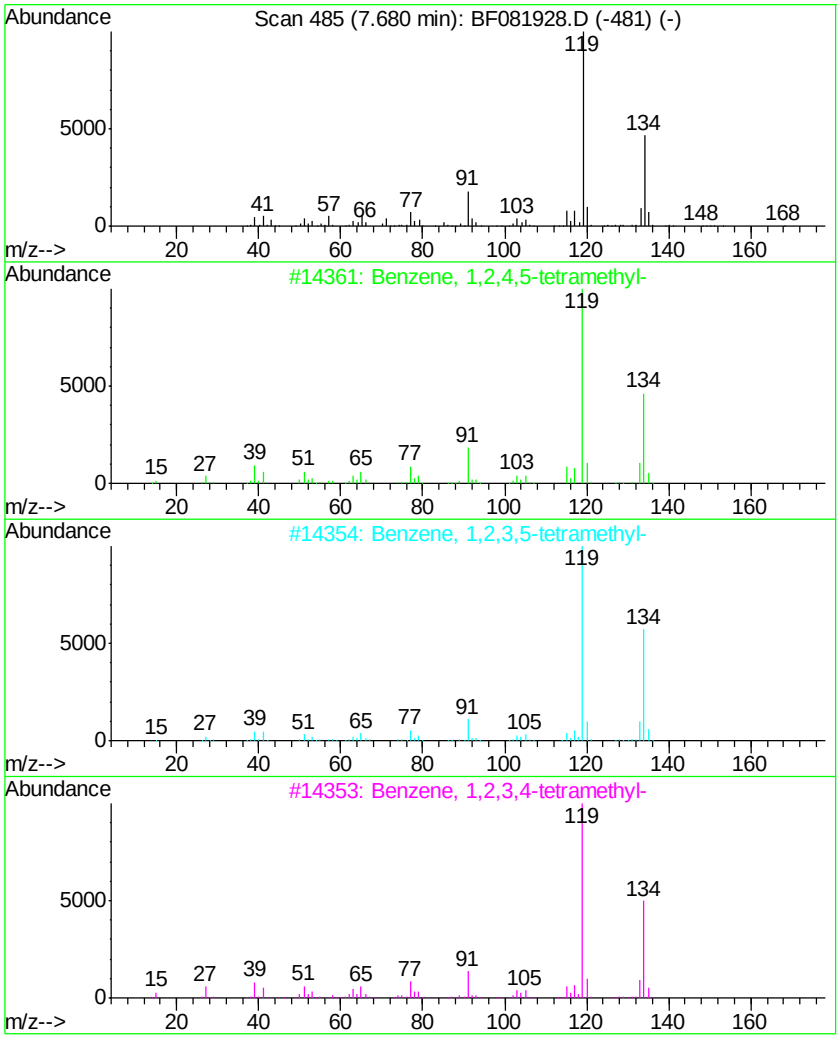
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

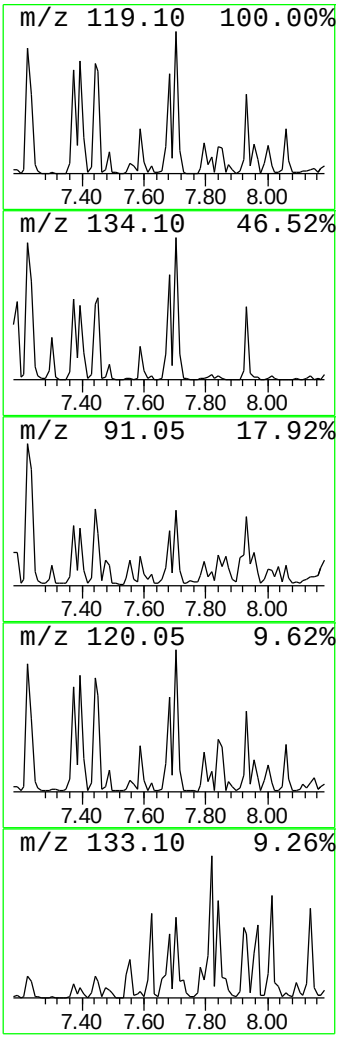
****

Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	18.63 ng	1772640	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

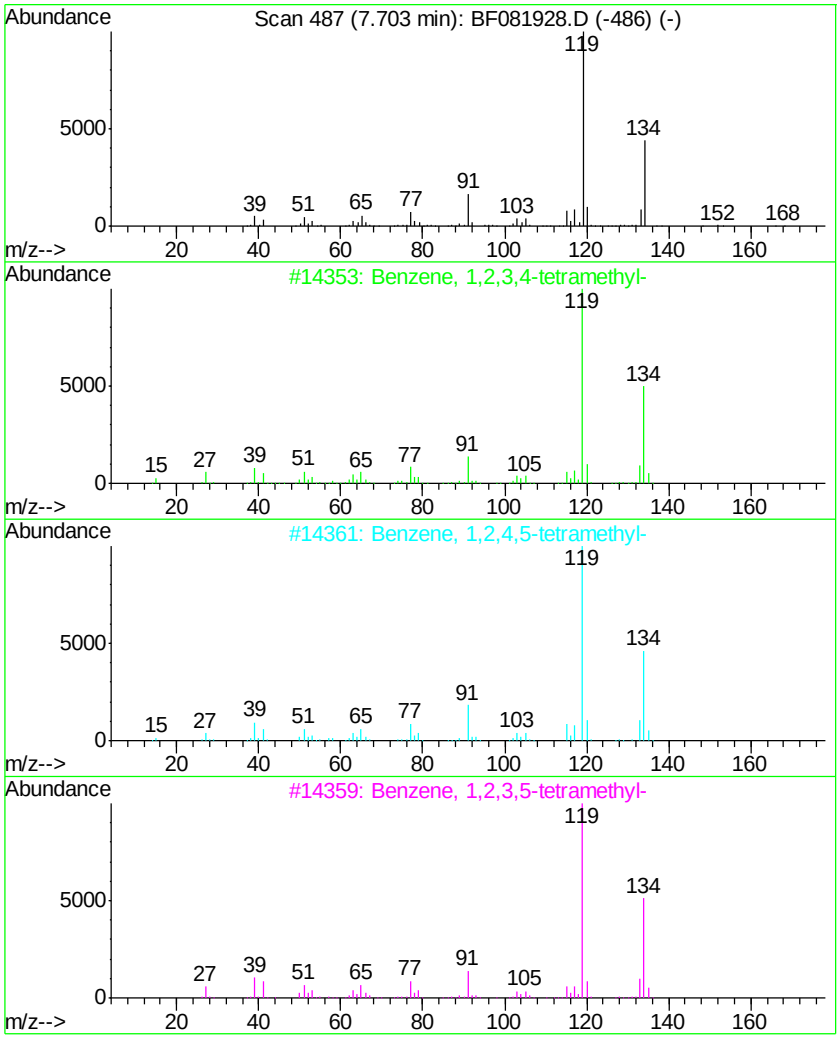
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

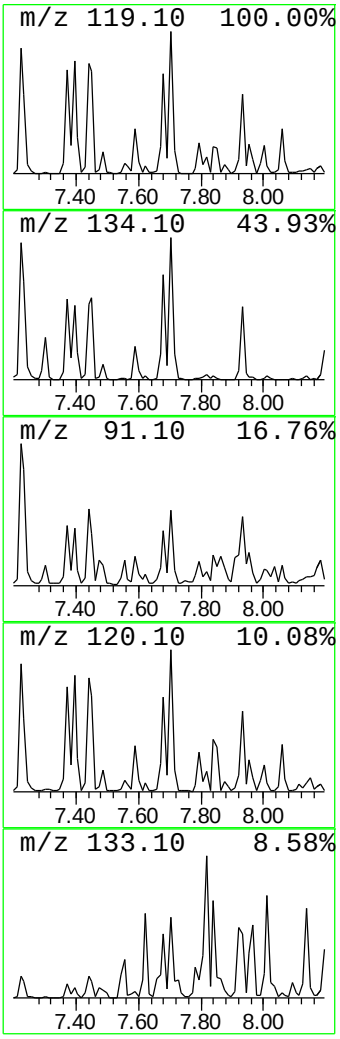
****

Peak Number 16 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	16.79 ng	1596970	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

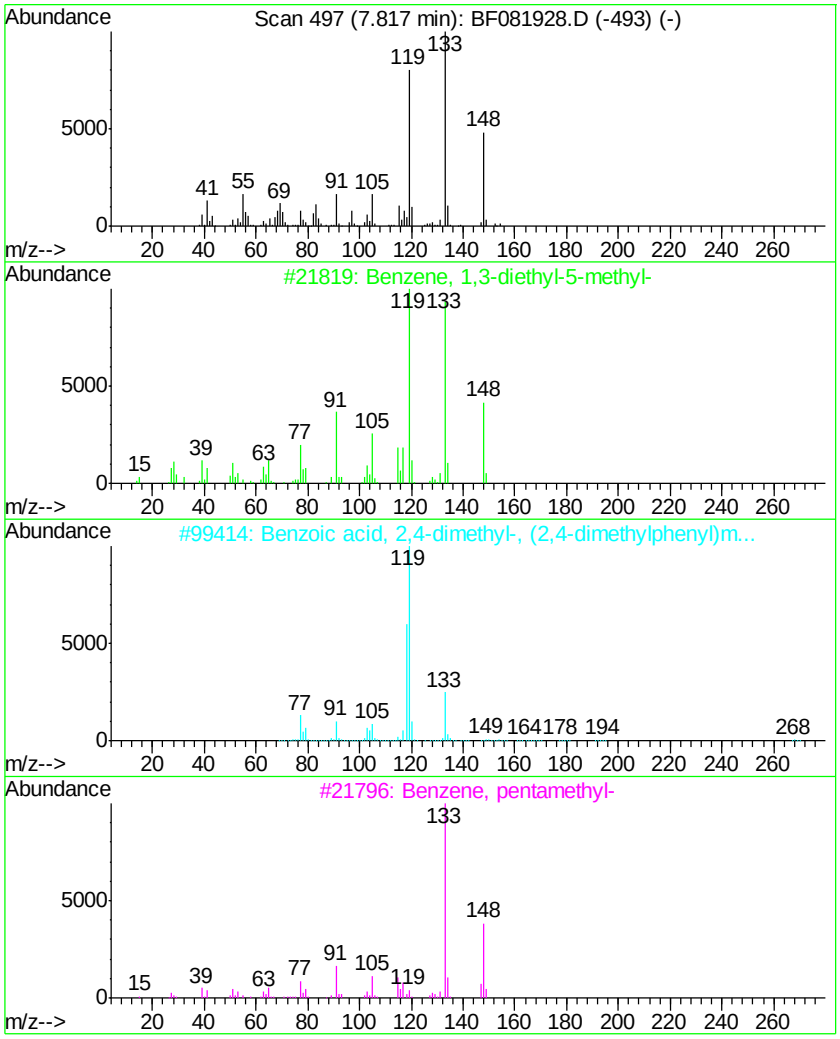
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

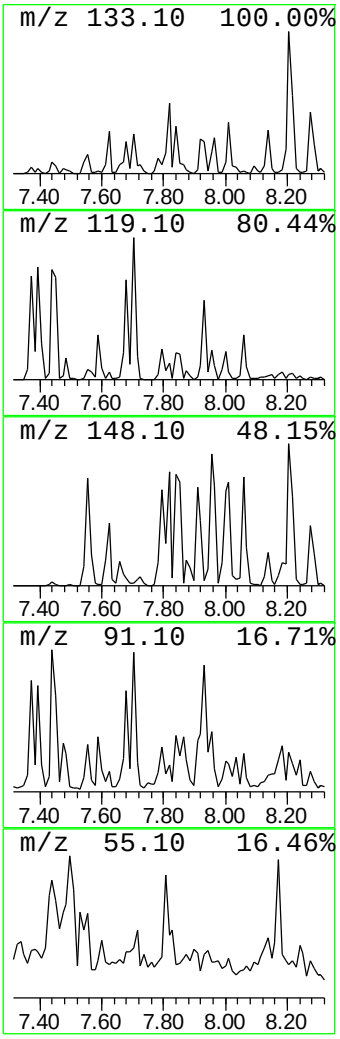
****

Peak Number 17 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	15.62 ng	1485780	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	86
2	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	53
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

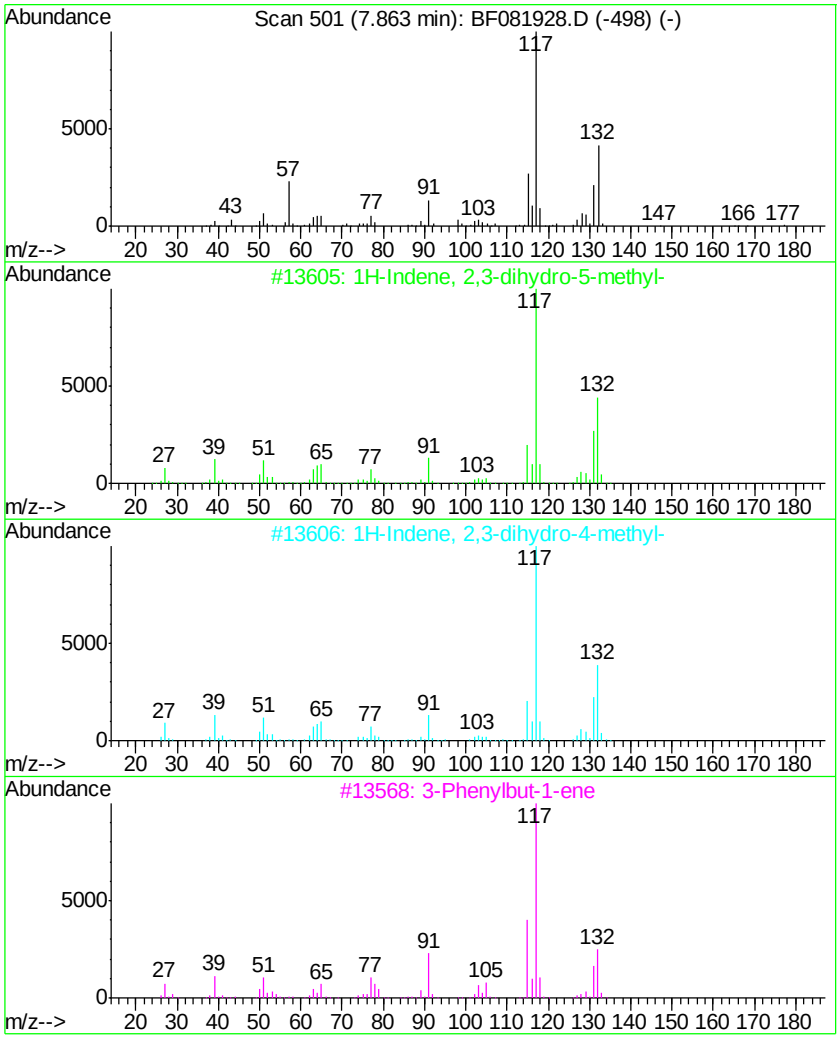
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

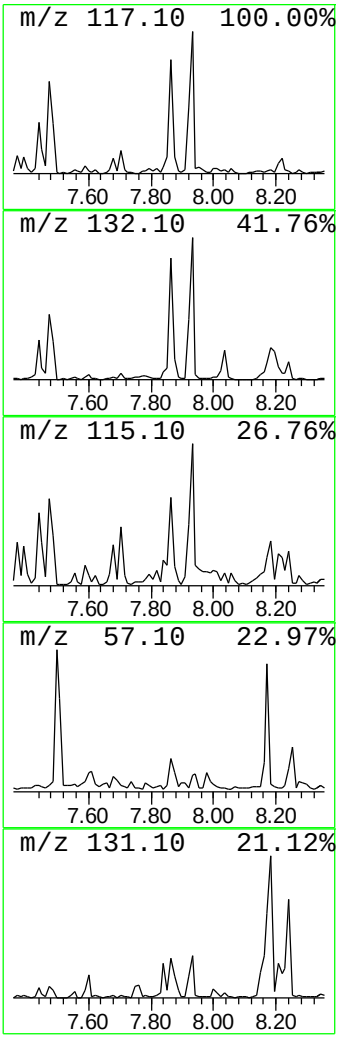
****

Peak Number 18 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	20.83 ng	1981230	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

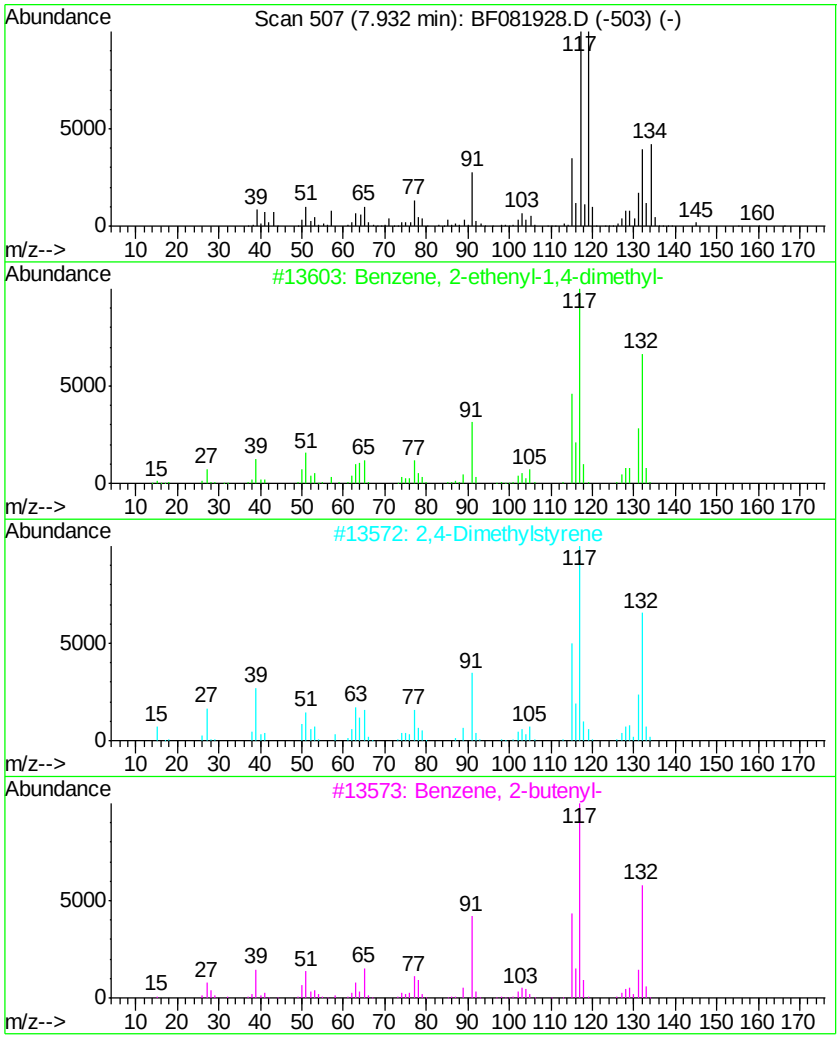
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

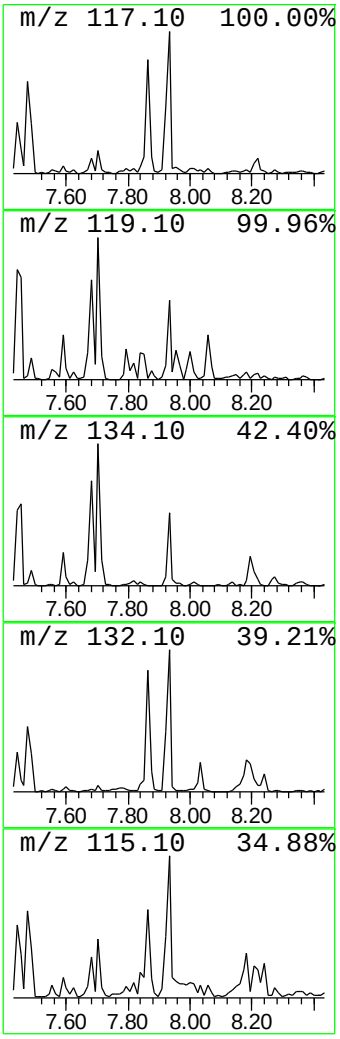
****

Peak Number 19 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	27.03 ng	2571680	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	83
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	55
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

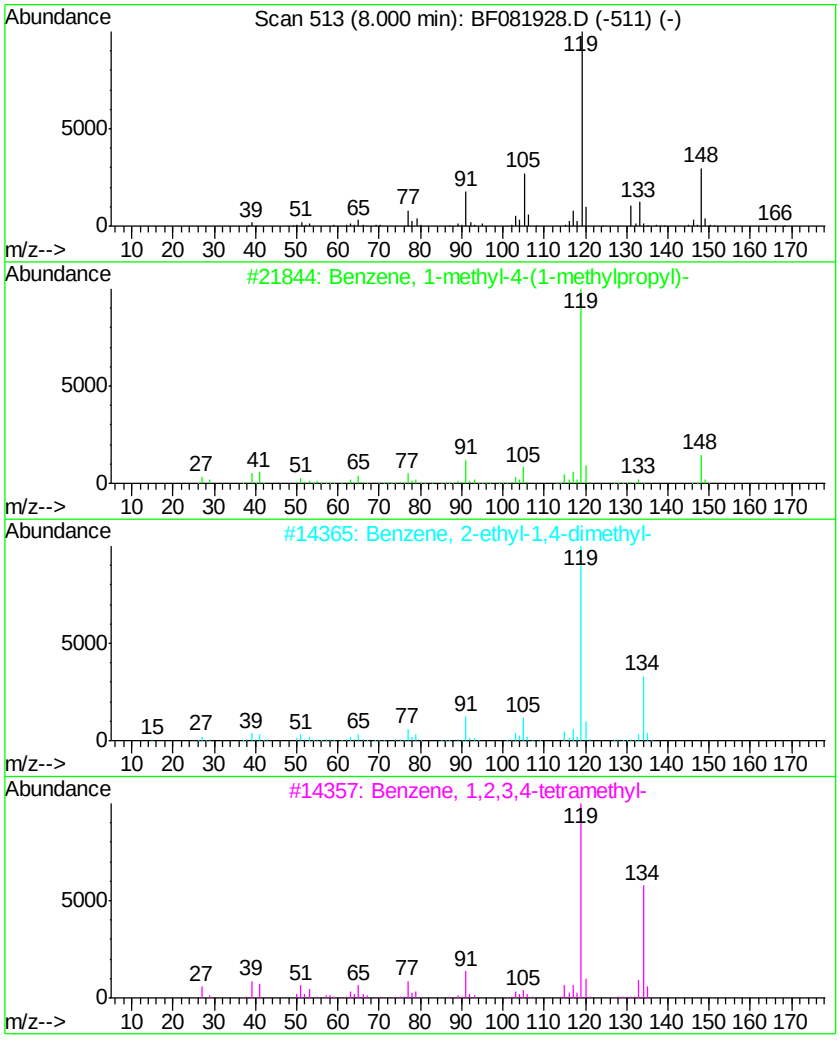
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

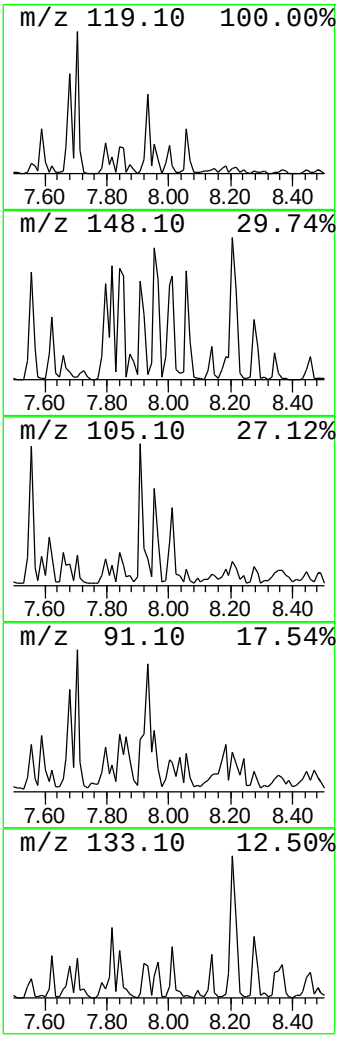
****

Peak Number 20 Benzene, 1-methyl-4-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	12.93 ng	1229620	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	58
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	53
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
Data File : BF081928.D
Acq On : 1 Oct 2015 4:26
Operator : UM/IZ
Sample : G3846-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 005-TB-5(4-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown5.10	5.10	19.1	ng	2106510	1	6.91	2205270	20.0
Nonane	5.81	13.8	ng	1523570	1	6.91	2205270	20.0
unknown6.15	6.15	17.7	ng	1949890	1	6.91	2205270	20.0
Benzene, 1-ethyl-...	6.43	36.1	ng	3984330	1	6.91	2205270	20.0
Benzene, 1-ethyl-...	6.46	18.0	ng	1980670	1	6.91	2205270	20.0
Benzene, 1-ethyl-...	6.59	20.4	ng	2248760	1	6.91	2205270	20.0
unknown6.67	6.67	30.5	ng	3359460	1	6.91	2205270	20.0
Benzene, 1,2,3-tr...	6.74	60.4	ng	6664100	1	6.91	2205270	20.0
Benzene, 1-methyl...	7.18	23.9	ng	2632720	1	6.91	2205270	20.0
Benzene, 1,3-diet...	7.22	30.1	ng	3321310	1	6.91	2205270	20.0
Benzene, 1-methyl...	7.30	12.8	ng	1415150	1	6.91	2205270	20.0
Benzene, 2-ethyl-...	7.59	14.0	ng	1331800	2	8.19	1902700	20.0
Benzene, 1,2,4,5-...	7.68	18.6	ng	1772640	2	8.19	1902700	20.0
Benzene, 1,2,3,4-...	7.70	16.8	ng	1596970	2	8.19	1902700	20.0
Benzene, 1,3-diet...	7.82	15.6	ng	1485780	2	8.19	1902700	20.0
1H-Indene, 2,3-di...	7.86	20.8	ng	1981230	2	8.19	1902700	20.0
Benzene, 2-etheny...	7.93	27.0	ng	2571680	2	8.19	1902700	20.0
Benzene, 1-methyl...	8.00	12.9	ng	1229620	2	8.19	1902700	20.0