LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

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-BF032217.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	1.934	4	8	14	rBV	64626	78640	1.76%	0.148%
2	3.098	198	206	210	rBV	154020	189145	4.24%	0.355%
3	3.534	276	280	287	rVB3	47550	72254	1.62%	0.136%
4	4.028	360	364	371	rVV	309203	389834	8.74%	0.732%
5	4.287	405	408	412	rBV	247672	245896	5.51%	0.462%
6	4.392	421	426	427	rBV	418064	458391	10.28%	0.861%
7	4.428	427	432	435	rVB	3686842	3868712	86.76%	7.263%
8	4.645	466	469	473	rBV	195157	185600	4.16%	0.348%
9	4.710	477	480	487	rVB	56149	53941	1.21%	0.101%
10	4.975	516	525	528	rBV2	54042	78536	1.76%	0.147%
11	5.286	569	578	582	rBV	221434	250498	5.62%	0.470%
12	5.334	582	586	588	rVV3	40030	50473	1.13%	0.095%
13	5.363	588	591	594	rVV	270843	269657	6.05%	0.506%
14	5.392	594	596	601	rVB	193318	181960	4.08%	0.342%
15	5.445	601	605	608	rBV2	165791	161380	3.62%	0.303%
16	5.498	608	614	617	rBV	3307202	3801616	85.26%	7.137%
17	5.539	617	621	628	rVB	154645	162782	3.65%	0.306%
18	5.634	632	637	640	rBV	3755161	3994184	89.58%	7.499%
19	5.692	644	647	650	rBV	401678	372591	8.36%	0.699%
20	5.886	676	680	683	rBV	1201921	1080496	24.23%	2.029%
21	5.957	689	692	697	rVB	221130	199599	4.48%	0.375%
22	6.069	703	711	713	rBV	2950031	3177184	71.26%	5.965%
23	6.092	713	715	719	rVB	334250	271238	6.08%	0.509%
24	6.181	724	730	733	rBV	198760	191240	4.29%	0.359%
25	6.210	733	735	740	rVV2	127425	124382	2.79%	0.234%
26	6.263	740	744	747	rVV	307176	292029	6.55%	0.548%
27	6.298	747	750	754	rVB	37633	49992	1.12%	0.094%
28	6.345	754	758	762	rBV	135844	144714	3.25%	0.272%
29	6.433	770	773	775	rBV	68463	60228	1.35%	0.113%
30	6.539	781	791	799	rBV2	2139359	3111093	69.77%	5.841%
31	6.686	812	816	820	rVB3	56527	63678	1.43%	0.120%
32	6.792	827	834	836	rBV	190401	176603	3.96%	0.332%
33	6.822	836	839	843	rVB	104610	99668	2.24%	0.187%
34	6.933	855	858	860	rBV	62376	52393	1.18%	0.098%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

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-BF032217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.004	865	870	873	rVV2	192110	188348	4.22%	0.354%
36	7.080	879	883	887	rBV3	280300	355712	7.98%	0.668%
37	7.133	887	892	897	rVV5	66823	97025	2.18%	0.182%
38	7.192	897	902	907	rVB3	57133	100710	2.26%	0.189%
39	7.251	907	912	915	rVB	71716	77349	1.73%	0.145%
40	7.357	922	930	931	rBV2	53147	62571	1.40%	0.117%
41	7.386	931	935	938	rVV	1481748	1638040	36.74%	3.075%
42	7.416	938	940	945	rVV2	365359	433044	9.71%	0.813%
43	7.457	945	947	952	rVV2	54741	57527	1.29%	0.108%
44	7.516	952	957	961	rVV3	39651	49624	1.11%	0.093%
45	7.739	988	995	998	rBV2	45343	69136	1.55%	0.130%
46	8.151	1061	1065	1069	rBV3	44355	63622	1.43%	0.119%
47	8.257	1078	1083	1087	rBV	356777	329125	7.38%	0.618%
48	8.375	1096	1103	1106	rBV	207615	194932	4.37%	0.366%
49	8.716	1153	1161	1164	rBV	4223163	4458852	100.00%	8.371%
50	9.022	1211	1213	1218	rVB2	60629	81843	1.84%	0.154%
51	9.116	1222	1229	1232	rBV	73992	91375	2.05%	0.172%
52	9.151	1232	1235	1238	rVV	58850	59847	1.34%	0.112%
53	9.210	1238	1245	1248	rVV	220134	235140	5.27%	0.441%
54	9.257	1249	1253	1259	rVB2	42636	81895	1.84%	0.154%
55	9.357	1266	1270	1273	rBV2	43334	49926	1.12%	0.094%
56	9.527	1291	1299	1303	rBV2	1451388	1619721	36.33%	3.041%
57	9.569	1303	1306	1309	rVB	77067	69654	1.56%	0.131%
58	9.704	1325	1329	1332	rBV	109091	100876	2.26%	0.189%
59	9.780	1338	1342	1347	rBV2	58701	79869	1.79%	0.150%
60	10.121	1396	1400	1404	rBV	122902	111279	2.50%	0.209%
61	10.204	1411	1414	1418	rVB	95401	93532	2.10%	0.176%
62	10.398	1442	1447	1450	rBV2	63219	79240	1.78%	0.149%
63	10.504	1459	1465	1470	rBV	2196507	2365121	53.04%	4.440%
64	10.710	1496	1500	1502	rBV	129137	163495	3.67%	0.307%
65	10.727	1502	1503	1507	rVB	74391	50240	1.13%	0.094%
66	11.263	1591	1594	1597	rVB	89795	75692	1.70%	0.142%
67	11.357	1605	1610	1612	rBV	1343558	1405002	31.51%	2.638%
68	11.380	1612	1614	1618	rVB	575202	503074	11.28%	0.944%
69	11.445	1621	1625	1629	rVB	139453	141645	3.18%	0.266%
70	11.645	1656	1659	1664	rBV	56590	58146	1.30%	0.109%
71	11.974	1711	1715	1718	rBV	83721	92412	2.07%	0.173%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

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-BF032217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.010	1718	1721	1726	rVB	127430	134468	3.02%	0.252%
73	12.110	1734	1738	1741	rVV2	144907	172750	3.87%	0.324%
74	12.139	1741	1743	1746	rVB	61495	53368	1.20%	0.100%
75	12.345	1776	1778	1780	rBV2	57311	65506	1.47%	0.123%
76	12.657	1827	1831	1835	rBV	68771	95159	2.13%	0.179%
77	12.774	1848	1851	1855	rVB3	83492	96959	2.17%	0.182%
78	12.845	1858	1863	1867	rBV	789657	769062	17.25%	1.444%
79	13.021	1889	1893	1897	rBV3	40679	61190	1.37%	0.115%
80	13.121	1905	1910	1913	rBV	670279	736092	16.51%	1.382%
81	13.198	1913	1923	1924	rBV3	55586	104231	2.34%	0.196%
82	13.280	1932	1937	1939	rBV2	64555	110755	2.48%	0.208%
83	13.333	1940	1946	1950	rVV	2761494	3277483	73.51%	6.153%
84	13.539	1978	1981	1984	rVB	102513	115824	2.60%	0.217%
85	13.621	1992	1995	1998	rVV	81658	74387	1.67%	0.140%
86	13.662	1999	2002	2013	rVB4	93339	168519	3.78%	0.316%
87	14.062	2047	2070	2084	rVB10	502147	3199858	71.76%	6.007%
88	14.498	2140	2144	2152	rBV4	179153	325822	7.31%	0.612%
89	14.604	2156	2162	2165	rVV2	1008258	1386304	31.09%	2.603%
90	14.633	2165	2167	2170	rVV	267603	279807	6.28%	0.525%
91	14.668	2170	2173	2177	rVB	82125	100811	2.26%	0.189%
92	14.898	2209	2212	2216	rBV4	40419	67756	1.52%	0.127%
93	15.086	2242	2244	2247	rBV	54743	53787	1.21%	0.101%
94	15.133	2249	2252	2253	rBV2	51803	62008	1.39%	0.116%
95	15.827	2366	2370	2373	rBV	258680	376895	8.45%	0.708%
96	16.115	2416	2419	2425	rVB	142351	166885	3.74%	0.313%
97	16.174	2425	2429	2433	rVB	231308	241263	5.41%	0.453%
98	16.239	2435	2440	2443	rBV	779556	860978	19.31%	1.616%
99	16.762	2526	2529	2540	rVB4	108524	194451	4.36%	0.365%
100	17.574	2664	2667	2674	rVB2	91939	167702	3.76%	0.315%

Sum of corrected areas: 53265348

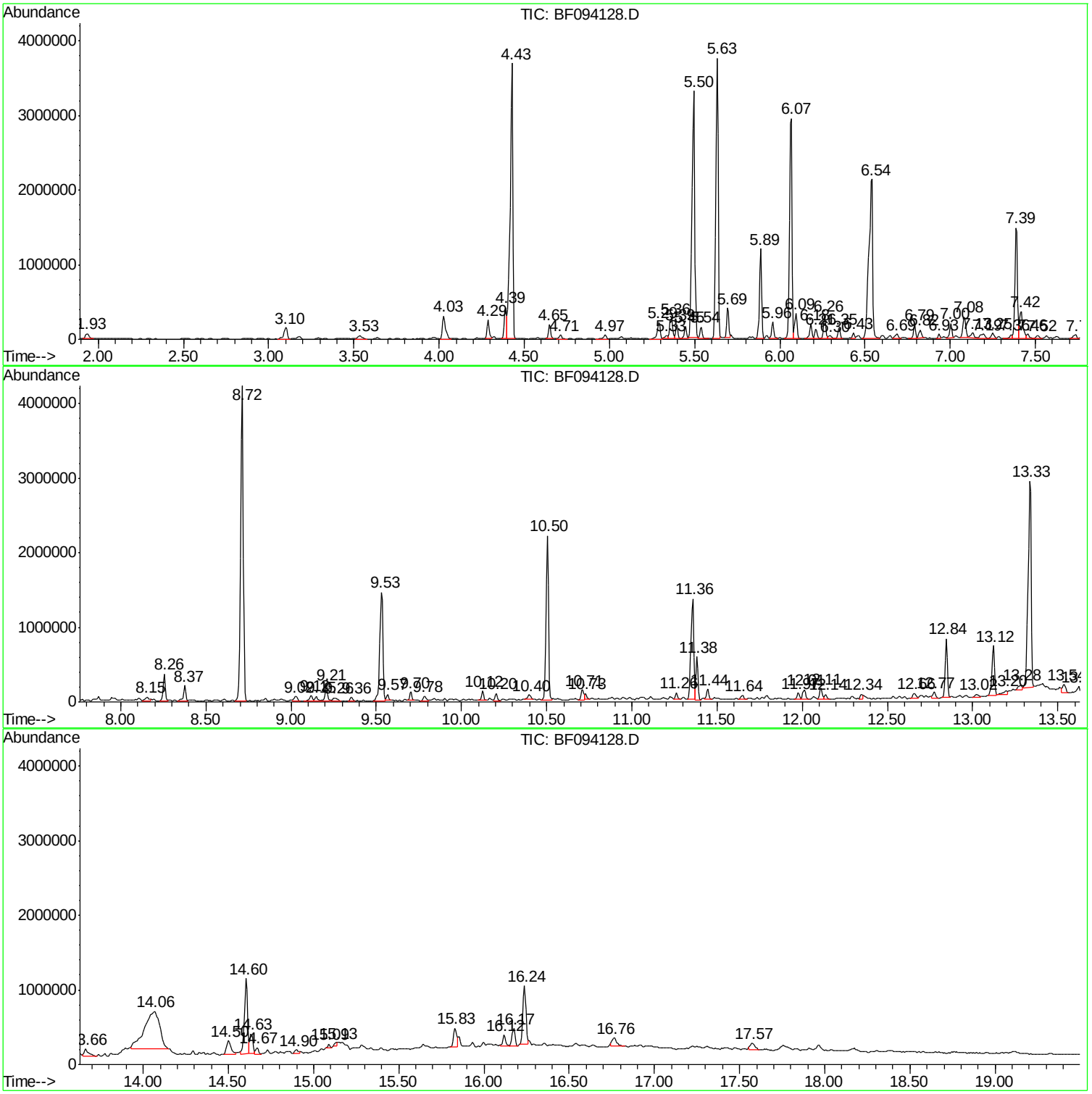
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

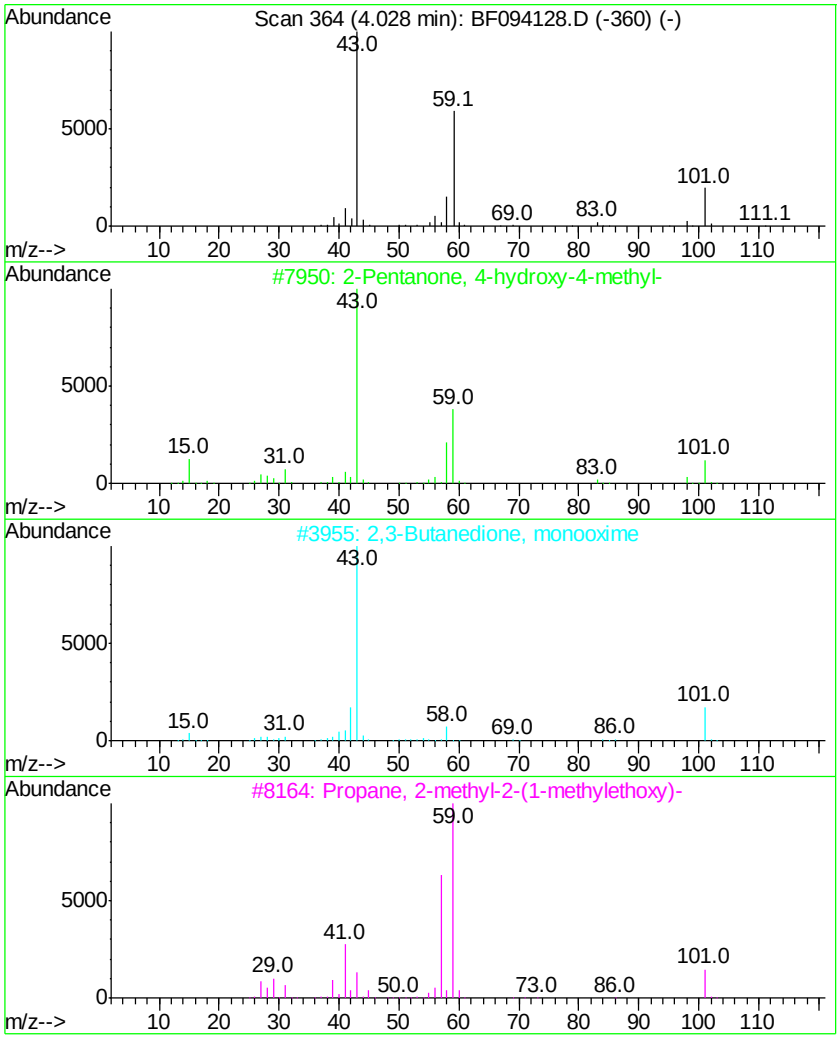
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

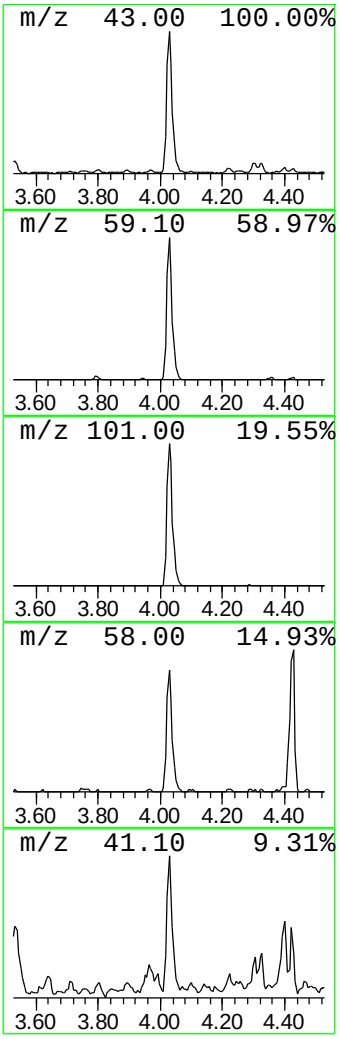
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	7.22 ng	389834	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
4	3-Hexanol	102	C6H14O	000623-37-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

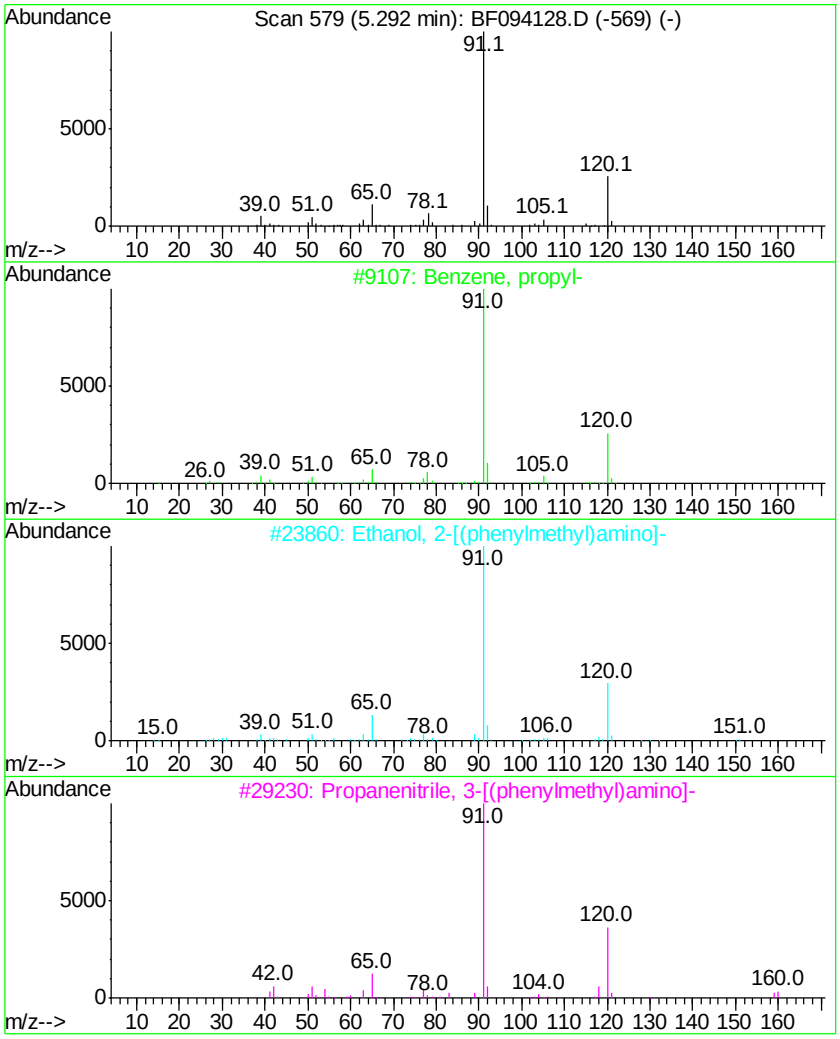
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

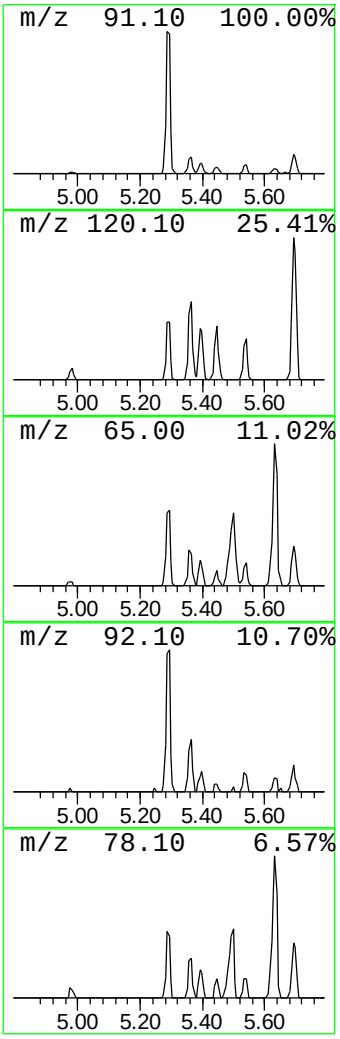
****

Peak Number 5 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	4.64 ng	250498	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
3	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	59
4	Benzaldehyde, 4-methyl-	120	C8H8O	000104-87-0	50
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

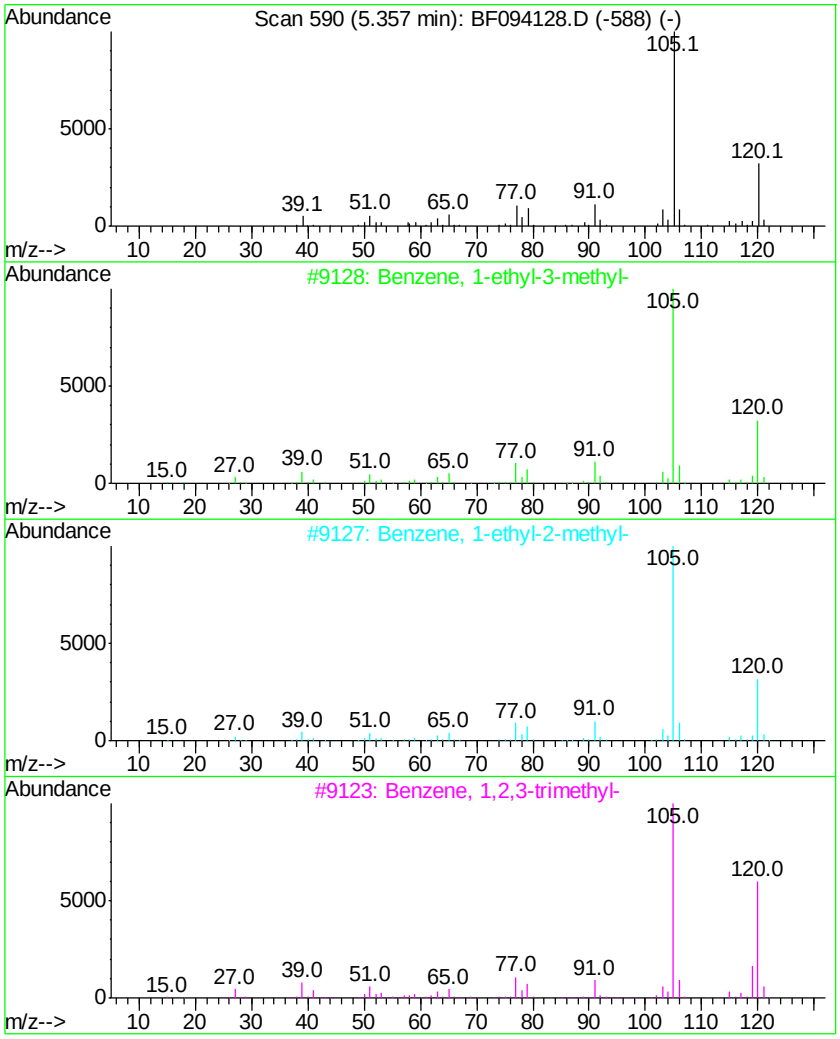
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

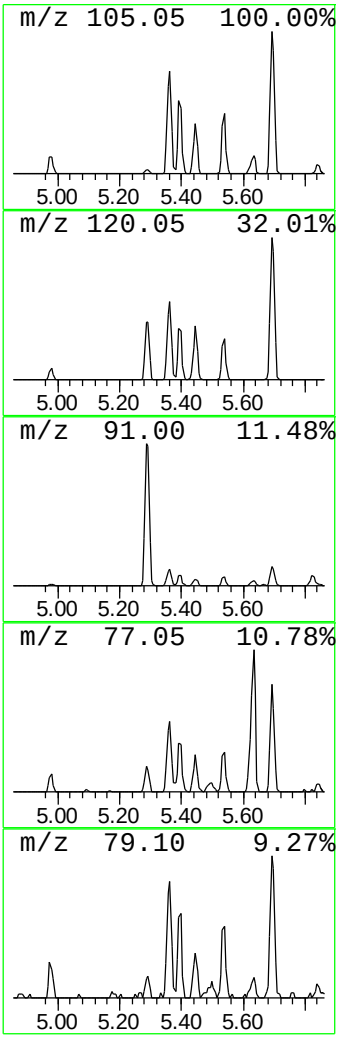
****

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	4.99 ng	269657	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
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-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

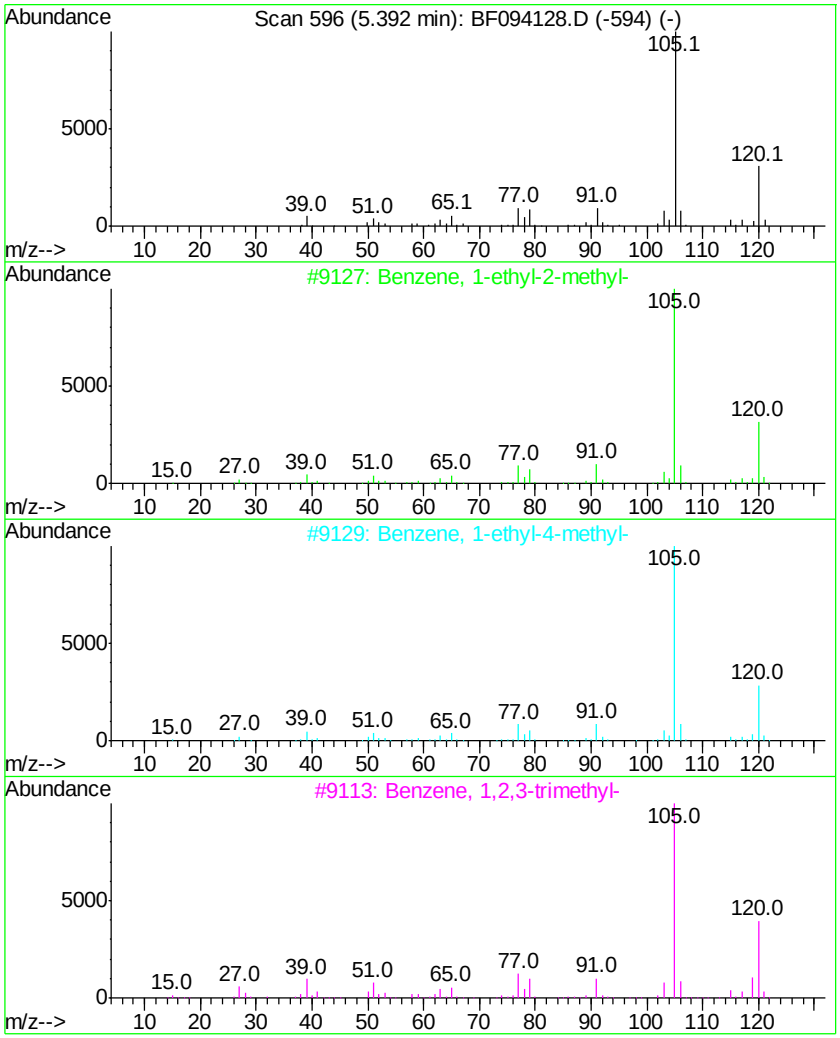
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

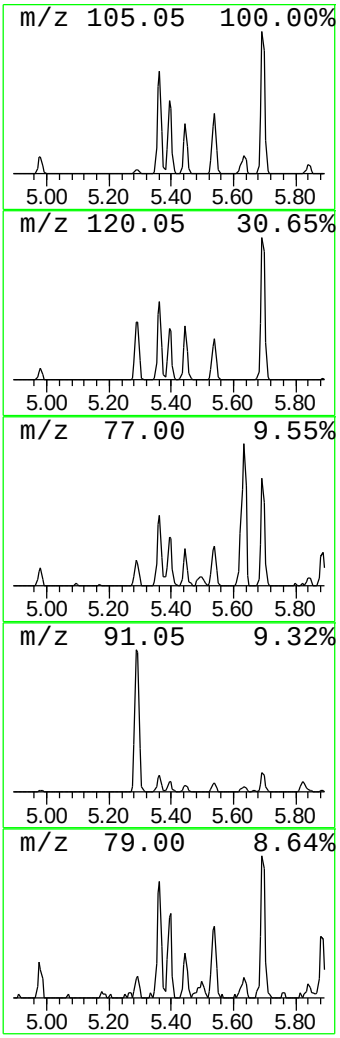
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	3.37 ng	181960	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

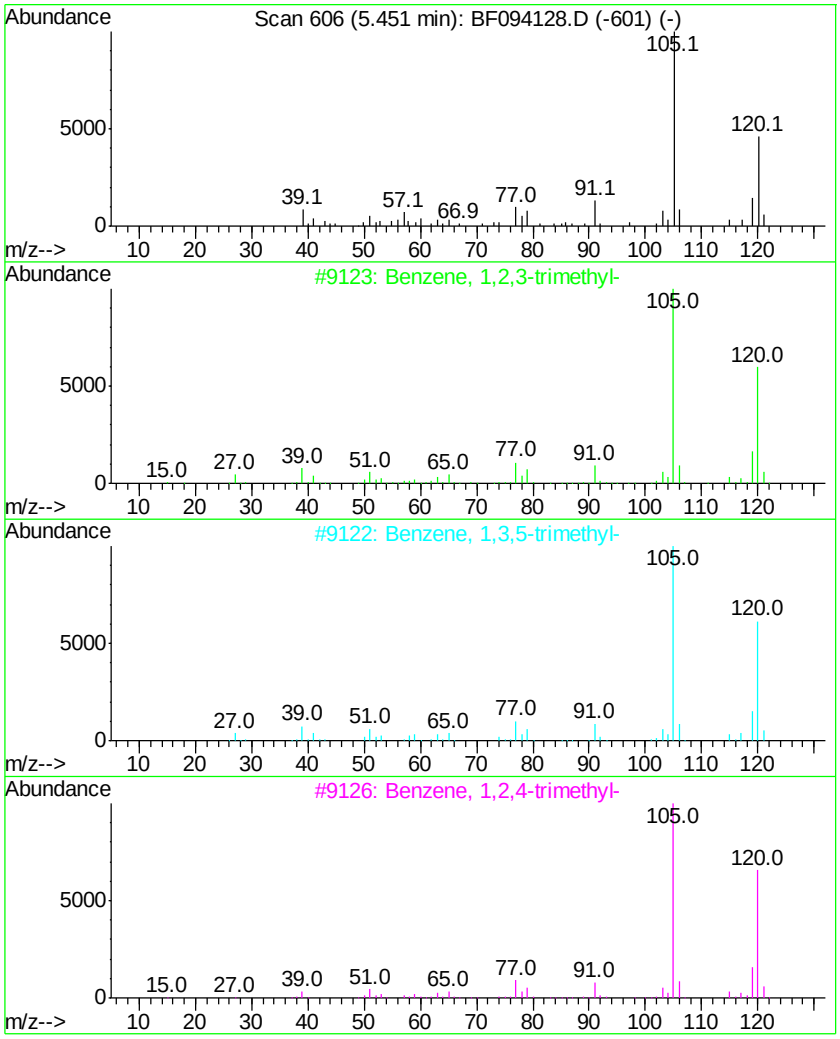
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

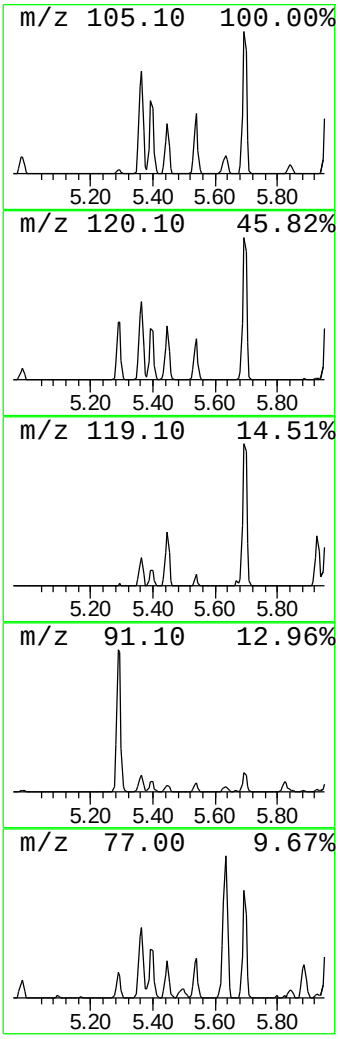
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	2.99 ng	161380	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

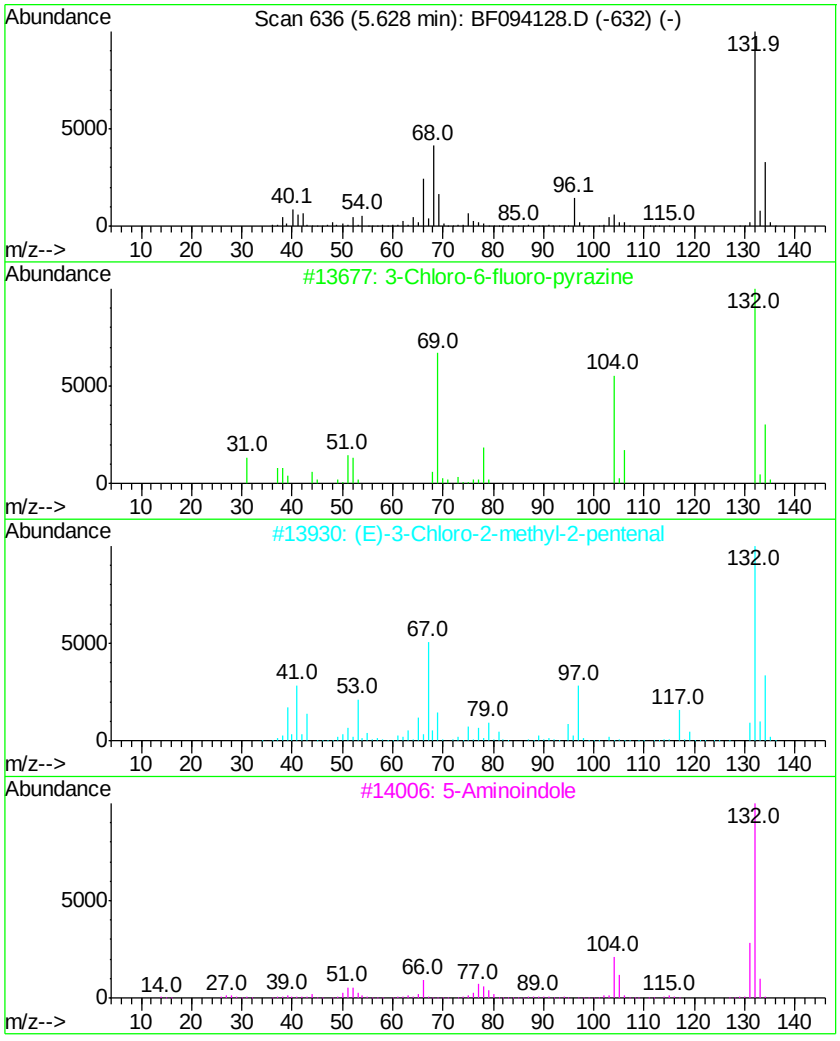
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

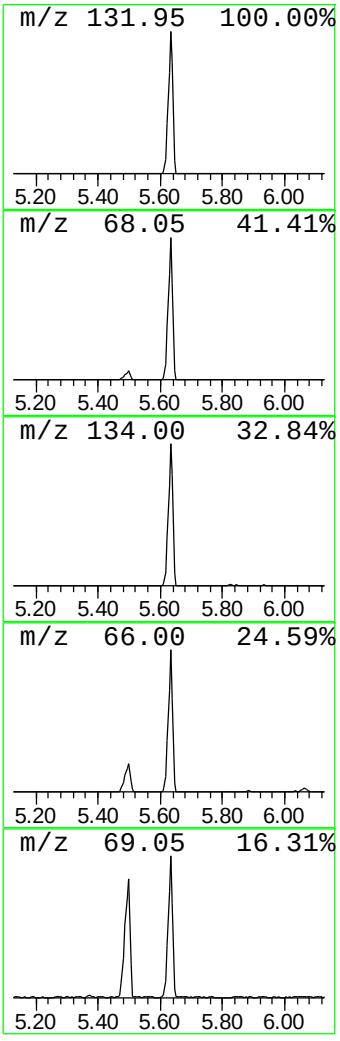
****

Peak Number 9 unknown5.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	73.93 ng	3994180	1,4-Dichlorobenzene-d4	5.89

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	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

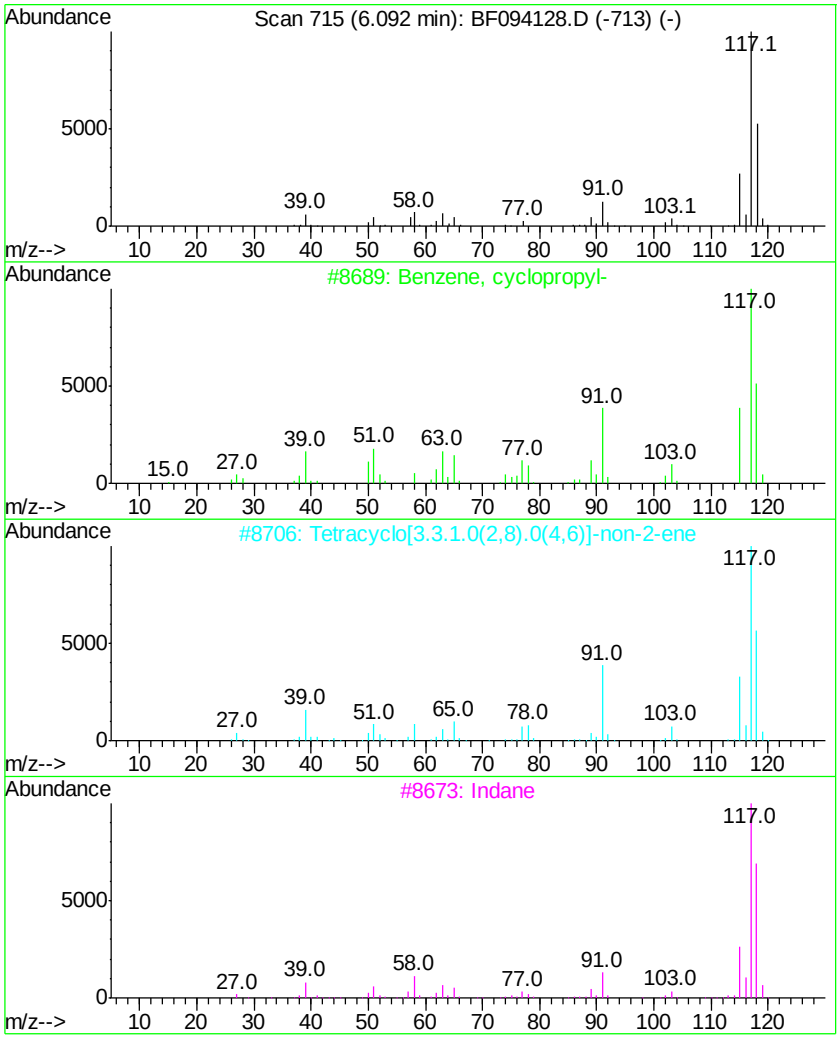
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

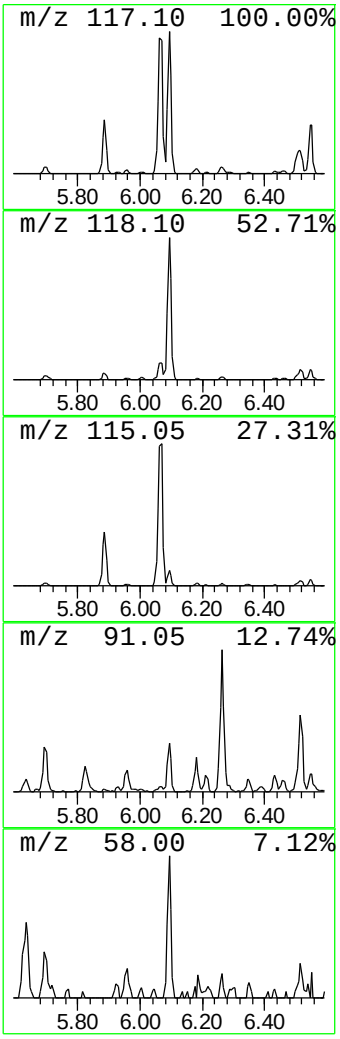
****

Peak Number 13 Benzene, cyclopropyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.09	5.02 ng	271238	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
5	Deltacyclene	118	C9H10	007785-10-6	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

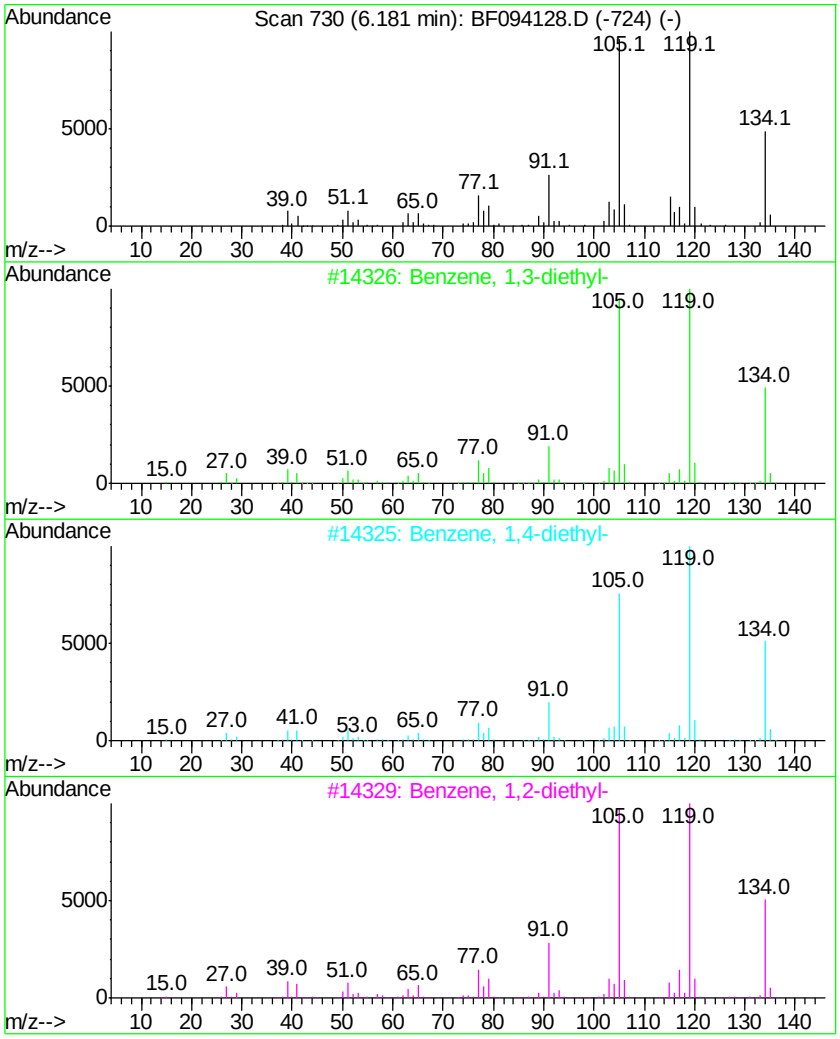
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

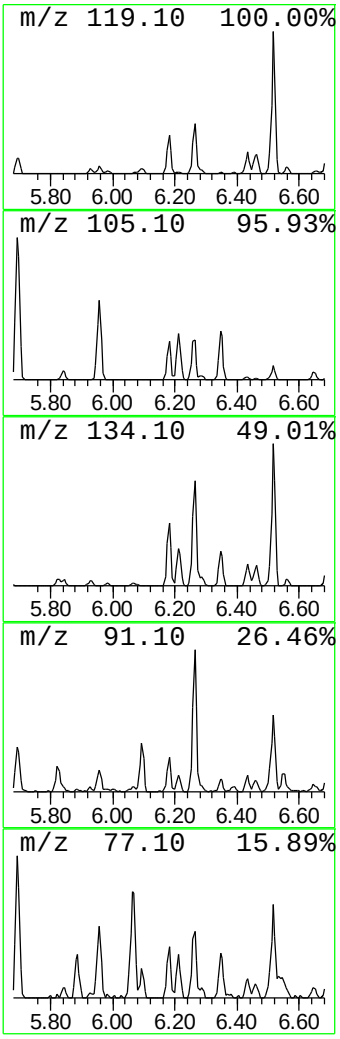
****

Peak Number 14 Benzene, 1,3-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	3.54 ng	191240	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

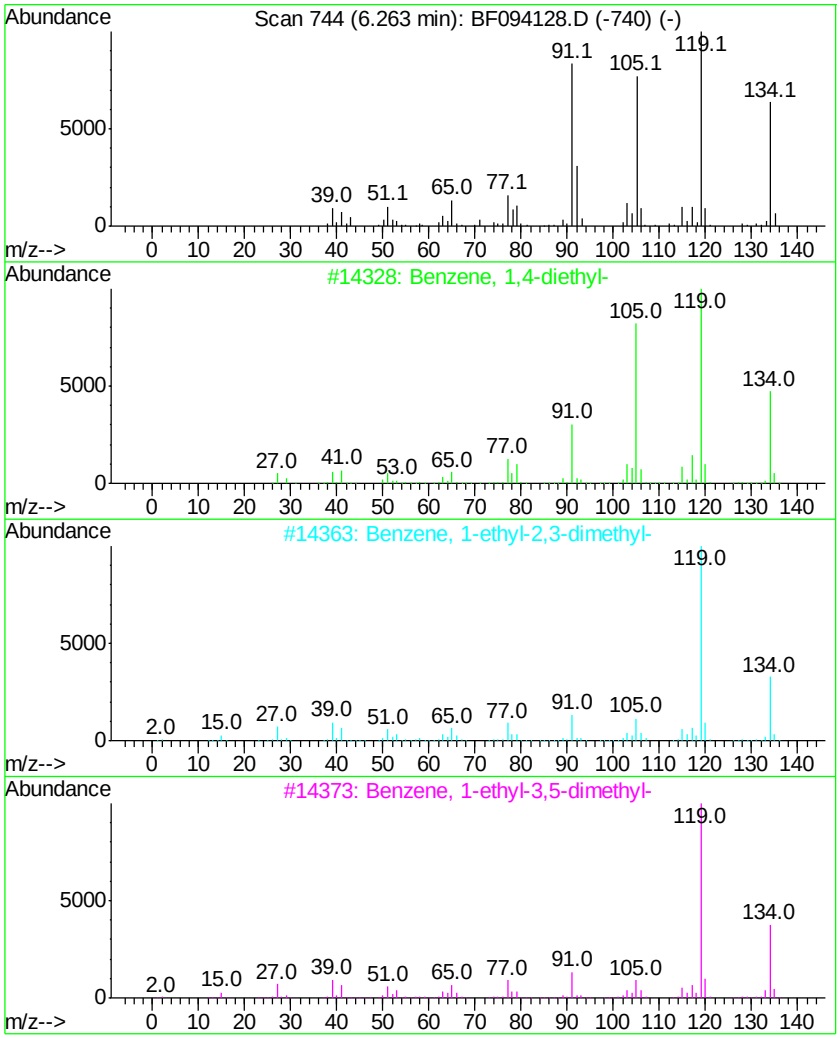
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

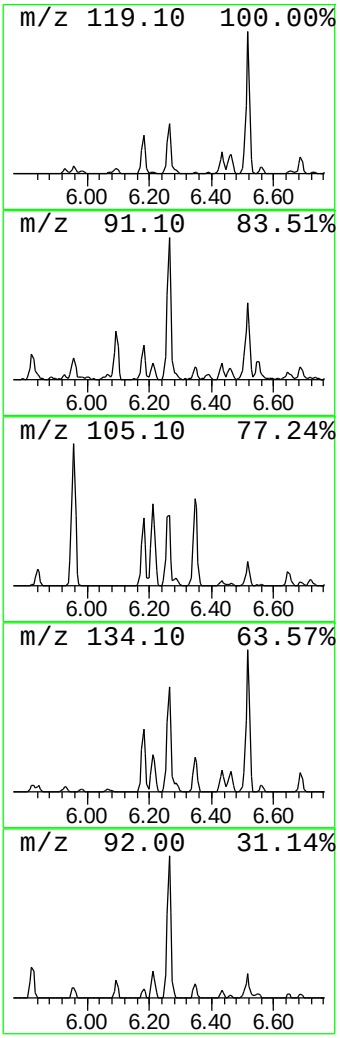
****

Peak Number 15 Benzene, 1,4-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	5.41 ng	292029	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

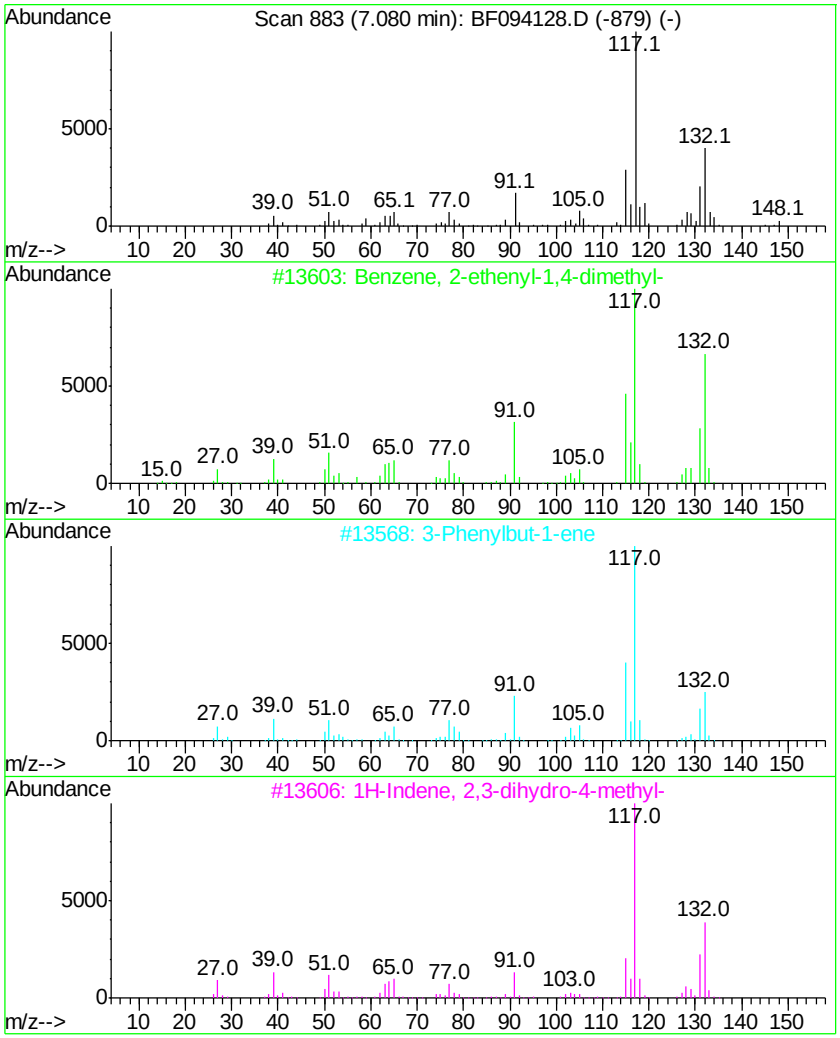
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

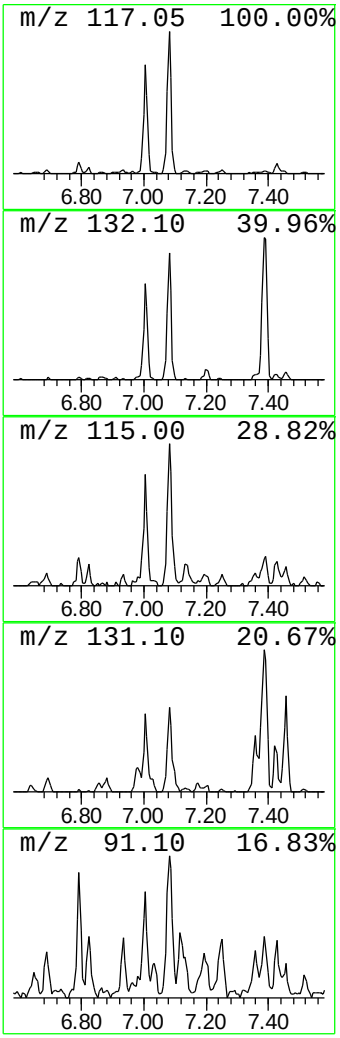
****

Peak Number 16 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	4.34 ng	355712	Naphthalene-d8	7.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

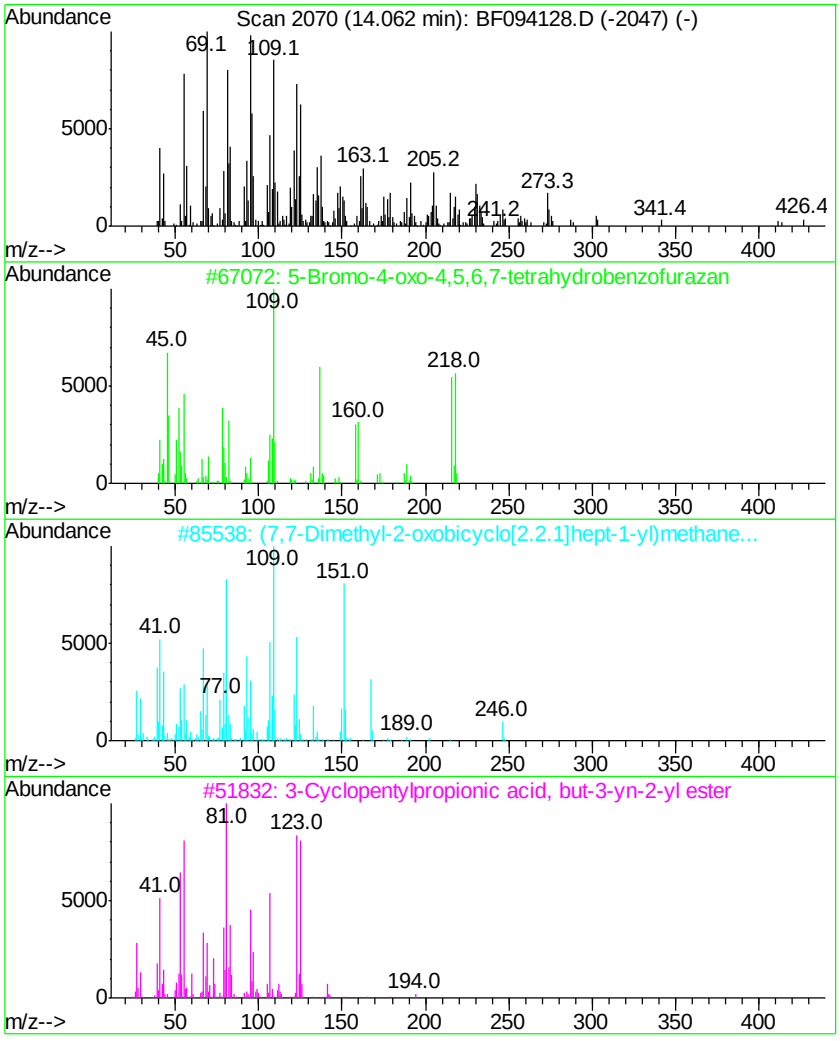
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

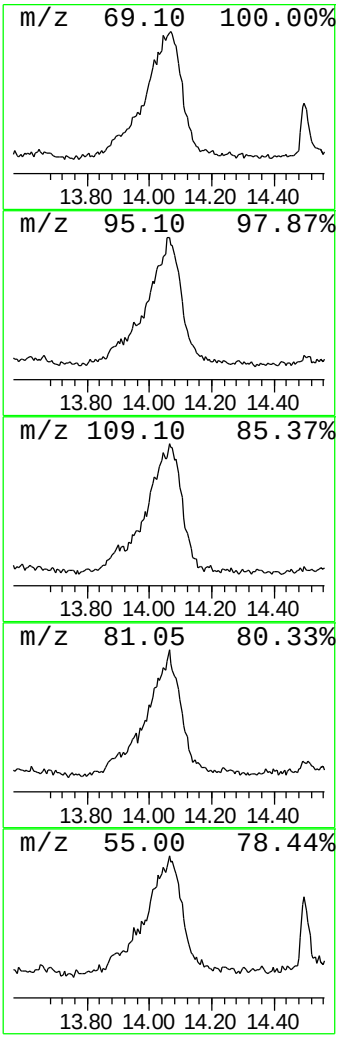
****

Peak Number 17 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	46.16 ng	3199860	Chrysene-d12	14.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	90
2	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	246	C11H18O4S	1000197-55-6	66
3	3-Cyclopentylpropionic acid, but...	194	C12H18O2	1000292-46-4	55
4	7-Tetradecyne	194	C14H26	035216-11-6	55
5	7-Hexadecyne	222	C16H30	074685-28-2	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

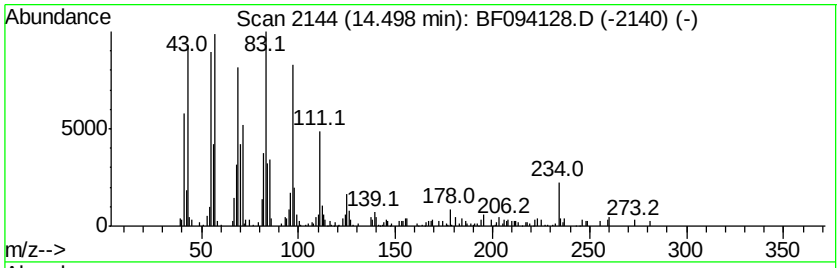
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

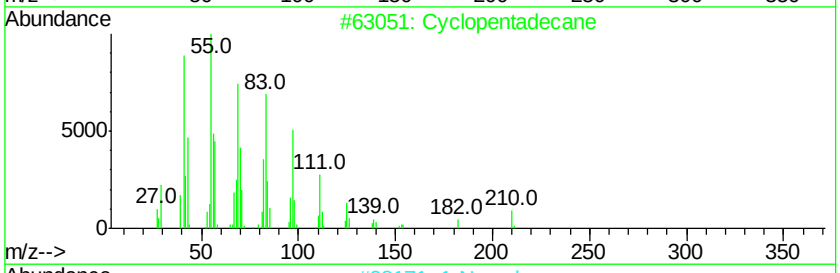
****

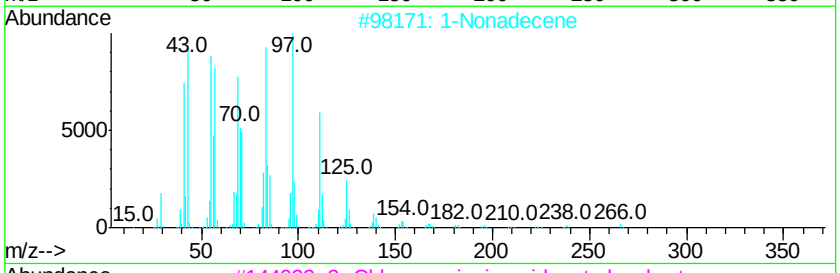
Peak Number 18 Cyclopentadecane Concentration Rank 9

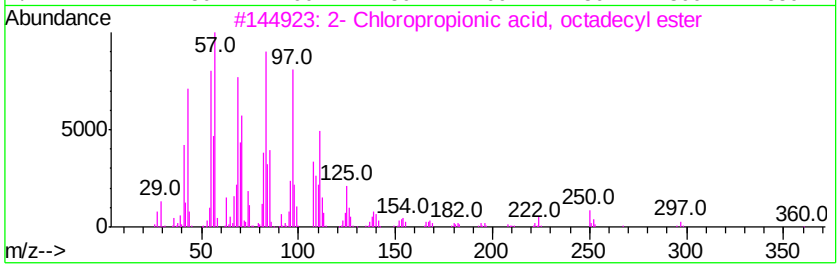
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	4.70 ng	325822	Chrysene-d12	14.60

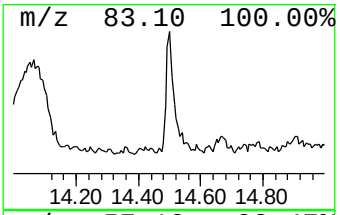
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	95
2	1-Nonadecene	266	C19H38	018435-45-5	91
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	91
4	1-Nonadecanol	284	C19H40O	001454-84-8	90
5	1-Octadecanol	270	C18H38O	000112-92-5	87

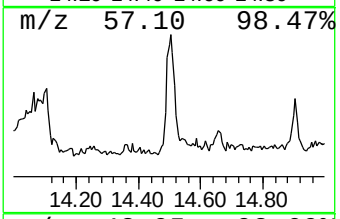


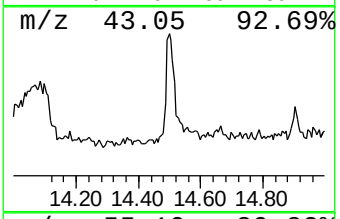


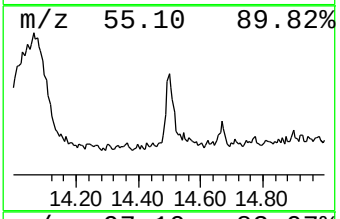


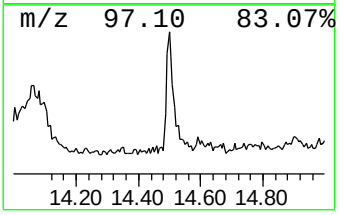












Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

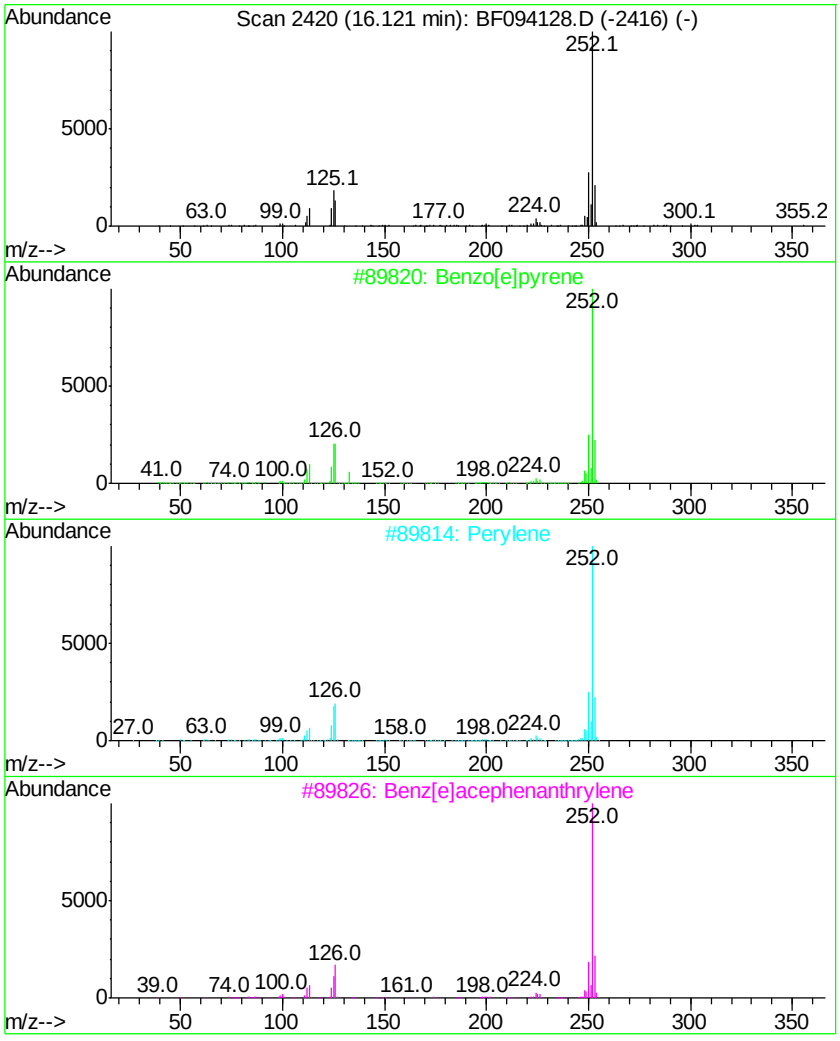
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

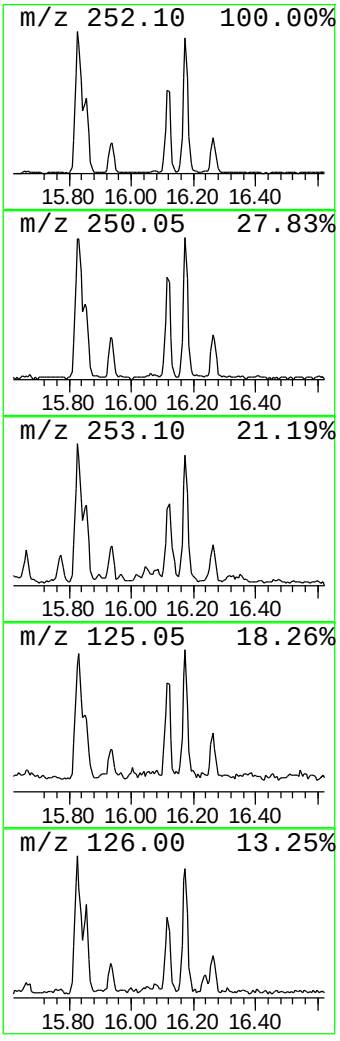
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	3.88 ng	166885	Perylene-d12	16.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

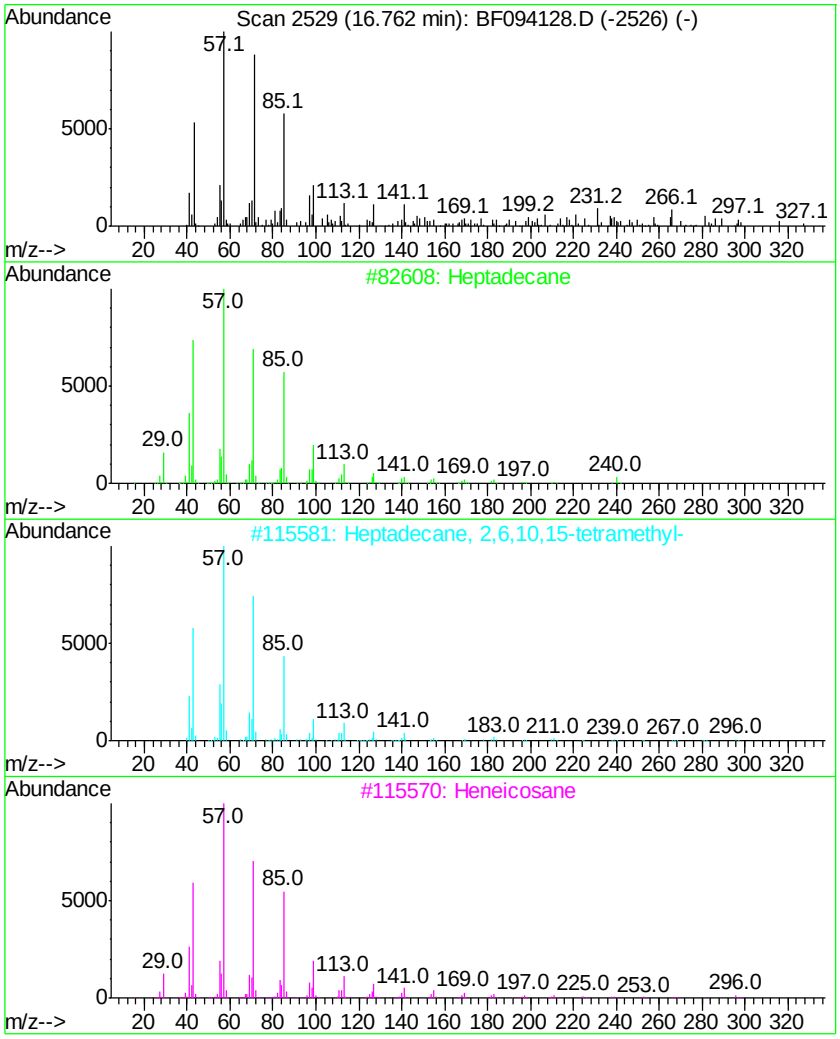
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

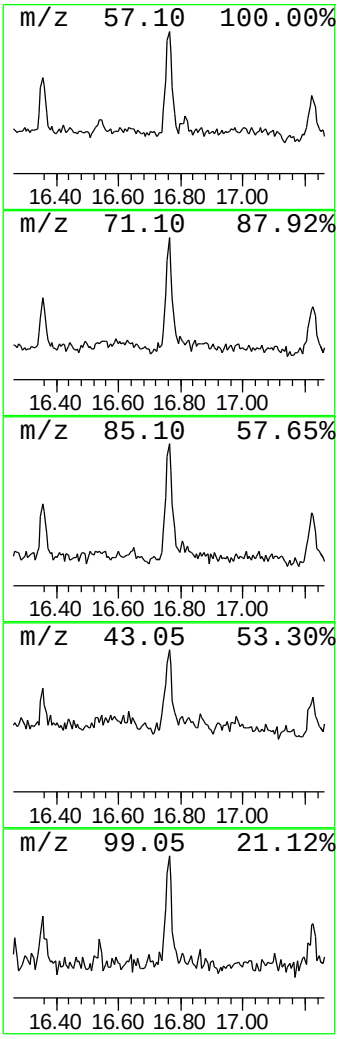
****

Peak Number 20 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	4.52 ng	194451	Perylene-d12	16.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	81
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	76
3	Heneicosane	296	C21H44	000629-94-7	74
4	Triacontane	422	C30H62	000638-68-6	72
5	Docosane	310	C22H46	000629-97-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040317\
Data File : BF094128.D
Acq On : 3 Apr 2017 18:38
Operator : SJ/MA
Sample : I2500-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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
2-Pentanone, 4-hy...	4.03	7.2	ng	389834	1	5.89	1080500	20.0
Benzene, propyl-	5.29	4.6	ng	250498	1	5.89	1080500	20.0
Benzene, 1-ethyl-...	5.36	5.0	ng	269657	1	5.89	1080500	20.0
Benzene, 1-ethyl-...	5.39	3.4	ng	181960	1	5.89	1080500	20.0
Benzene, 1,2,3-tr...	5.45	3.0	ng	161380	1	5.89	1080500	20.0
unknown5.63	5.63	73.9	ng	3994180	1	5.89	1080500	20.0
Benzene, cyclopro...	6.09	5.0	ng	271238	1	5.89	1080500	20.0
Benzene, 1,3-diet...	6.18	3.5	ng	191240	1	5.89	1080500	20.0
Benzene, 1,4-diet...	6.26	5.4	ng	292029	1	5.89	1080500	20.0
Benzene, 2-etheny...	7.08	4.3	ng	355712	2	7.39	1638040	20.0
5-Bromo-4-oxo-4,5...	14.06	46.2	ng	3199860	5	14.60	1386300	20.0
Cyclopentadecane	14.50	4.7	ng	325822	5	14.60	1386300	20.0
Benzo[e]pyrene	16.12	3.9	ng	166885	6	16.24	860978	20.0
Heptadecane	16.76	4.5	ng	194451	6	16.24	860978	20.0