LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

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-BF043015.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	1.267	4	7	10	rVB	259398	332052	12.62%	1.837%
2	1.507	25	28	30	rVB	1187512	1506821	57.26%	8.335%
3	1.655	38	41	50	rVB	211022	346547	13.17%	1.917%
4	1.770	50	51	54	rVV	26548	56758	2.16%	0.314%
5	1.827	54	56	61	rVV	40593	71480	2.72%	0.395%
6	1.907	61	63	95	rVB	1161941	2631451	100.00%	14.556%
7	5.164	347	348	354	rBV	18689	28175	1.07%	0.156%
8	5.644	388	390	393	rVB	202629	230699	8.77%	1.276%
9	6.902	498	500	502	rBV	246020	249816	9.49%	1.382%
10	7.062	512	514	517	rBV	297115	263581	10.02%	1.458%
11	7.359	538	540	542	rBV	341127	361246	13.73%	1.998%
12	7.542	554	556	558	rVB	237793	204744	7.78%	1.133%
13	8.045	597	600	602	rBV	150307	147655	5.61%	0.817%
14	8.936	675	678	679	rBV	362931	481189	18.29%	2.662%
15	10.273	793	795	798	rBV	312496	285726	10.86%	1.581%
16	11.108	866	868	870	rBV	584600	541255	20.57%	2.994%
17	11.142	870	871	874	rVB2	29140	35781	1.36%	0.198%
18	11.794	925	928	930	rBV	19250	28038	1.07%	0.155%
19	12.091	951	954	956	rBV2	112904	164392	6.25%	0.909%
20	12.948	1027	1029	1031	rVV2	482293	628973	23.90%	3.479%
21	12.982	1031	1032	1034	rVV	418401	322394	12.25%	1.783%
22	13.051	1034	1038	1040	rVB	62141	90784	3.45%	0.502%
23	13.245	1054	1055	1057	rVB	36351	32688	1.24%	0.181%
24	13.577	1082	1084	1086	rBV	36581	49803	1.89%	0.275%
25	13.611	1086	1087	1090	rVB	57455	67887	2.58%	0.376%
26	13.668	1090	1092	1094	rBV	18563	26667	1.01%	0.148%
27	13.714	1094	1096	1098	rVV	87460	105666	4.02%	0.585%
28	13.748	1098	1099	1101	rVB	40609	31021	1.18%	0.172%
29	13.954	1116	1117	1122	rVB	29355	52876	2.01%	0.292%
30	14.262	1142	1144	1146	rBV	29607	42765	1.63%	0.237%
31	14.308	1146	1148	1150	rVV	19682	33721	1.28%	0.187%
32	14.365	1152	1153	1157	rVB3	26576	35935	1.37%	0.199%
33	14.457	1159	1161	1164	rBV	480764	592964	22.53%	3.280%
34	14.640	1173	1177	1182	rBV3	14288	31780	1.21%	0.176%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.742	1182	1186	1190	rBV	582785	657690	24.99%	3.638%
36	14.811	1190	1192	1198	rVV	1240407	1511313	57.43%	8.360%
37	14.902	1198	1200	1201	rVV	48760	69846	2.65%	0.386%
38	14.948	1201	1204	1206	rVV	366424	400286	15.21%	2.214%
39	15.017	1207	1210	1213	rVV2	29137	61191	2.33%	0.338%
40	15.131	1215	1220	1221	rBV3	25623	68900	2.62%	0.381%
41	15.154	1221	1222	1225	rVB	51357	57199	2.17%	0.316%
42	15.245	1225	1230	1231	rBV	35790	47996	1.82%	0.265%
43	15.280	1231	1233	1236	rBV	54879	78697	2.99%	0.435%
44	15.394	1241	1243	1245	rVB	29027	31064	1.18%	0.172%
45	15.440	1245	1247	1249	rBV	30790	35097	1.33%	0.194%
46	15.668	1262	1267	1268	rBV3	19498	41908	1.59%	0.232%
47	15.782	1273	1277	1281	rVB2	43121	68563	2.61%	0.379%
48	15.920	1286	1289	1292	rBV2	40258	80202	3.05%	0.444%
49	15.965	1292	1293	1296	rVV2	43800	66152	2.51%	0.366%
50	16.045	1299	1300	1304	rVB2	43831	54201	2.06%	0.300%
51	16.114	1304	1306	1312	rBV4	20320	55320	2.10%	0.306%
52	16.240	1312	1317	1319	rBV2	750270	1168268	44.40%	6.462%
53	16.274	1319	1320	1325	rVB	308823	291601	11.08%	1.613%
54	16.365	1325	1328	1330	rBV2	39434	52884	2.01%	0.293%
55	16.537	1341	1343	1344	rBV2	20144	27660	1.05%	0.153%
56	16.731	1357	1360	1362	rVV	60482	87747	3.33%	0.485%
57	16.777	1362	1364	1366	rVV	27889	37206	1.41%	0.206%
58	16.845	1369	1370	1372	rVV2	25308	32334	1.23%	0.179%
59	16.880	1372	1373	1374	rVV	21910	27270	1.04%	0.151%
60	16.914	1374	1376	1377	rVV	24583	37108	1.41%	0.205%
61	16.994	1381	1383	1386	rVB3	19195	27286	1.04%	0.151%
62	17.108	1391	1393	1395	rBV2	17262	28645	1.09%	0.158%
63	17.303	1408	1410	1411	rBV2	21602	26380	1.00%	0.146%
64	17.508	1425	1428	1433	rVV	257765	561186	21.33%	3.104%
65	17.623	1435	1438	1440	rVV	52074	66786	2.54%	0.369%
66	17.817	1453	1455	1458	rBV	148886	200581	7.62%	1.110%
67	17.886	1458	1461	1464	rVV	246108	298879	11.36%	1.653%
68	17.954	1464	1467	1474	rVB	595823	856901	32.56%	4.740%
69	18.126	1479	1482	1485	rBV4	17458	48120	1.83%	0.266%
70	18.526	1515	1517	1520	rVB3	21180	34395	1.31%	0.190%
71	19.063	1561	1564	1567	rBV4	11681	40049	1.52%	0.222%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.269	1579	1582	1586	rVB2	26033	52866	2.01%	0.292%
73	19.440	1594	1597	1603	rVB2	103539	231402	8.79%	1.280%
74	19.634	1611	1614	1616	rBV	21871	54742	2.08%	0.303%
75	19.680	1616	1618	1621	rVB3	20807	41195	1.57%	0.228%
76	19.886	1632	1636	1639	rBV	88848	193344	7.35%	1.070%
77	20.114	1654	1656	1661	rVB	27451	54093	2.06%	0.299%

Sum of corrected areas: 18077883

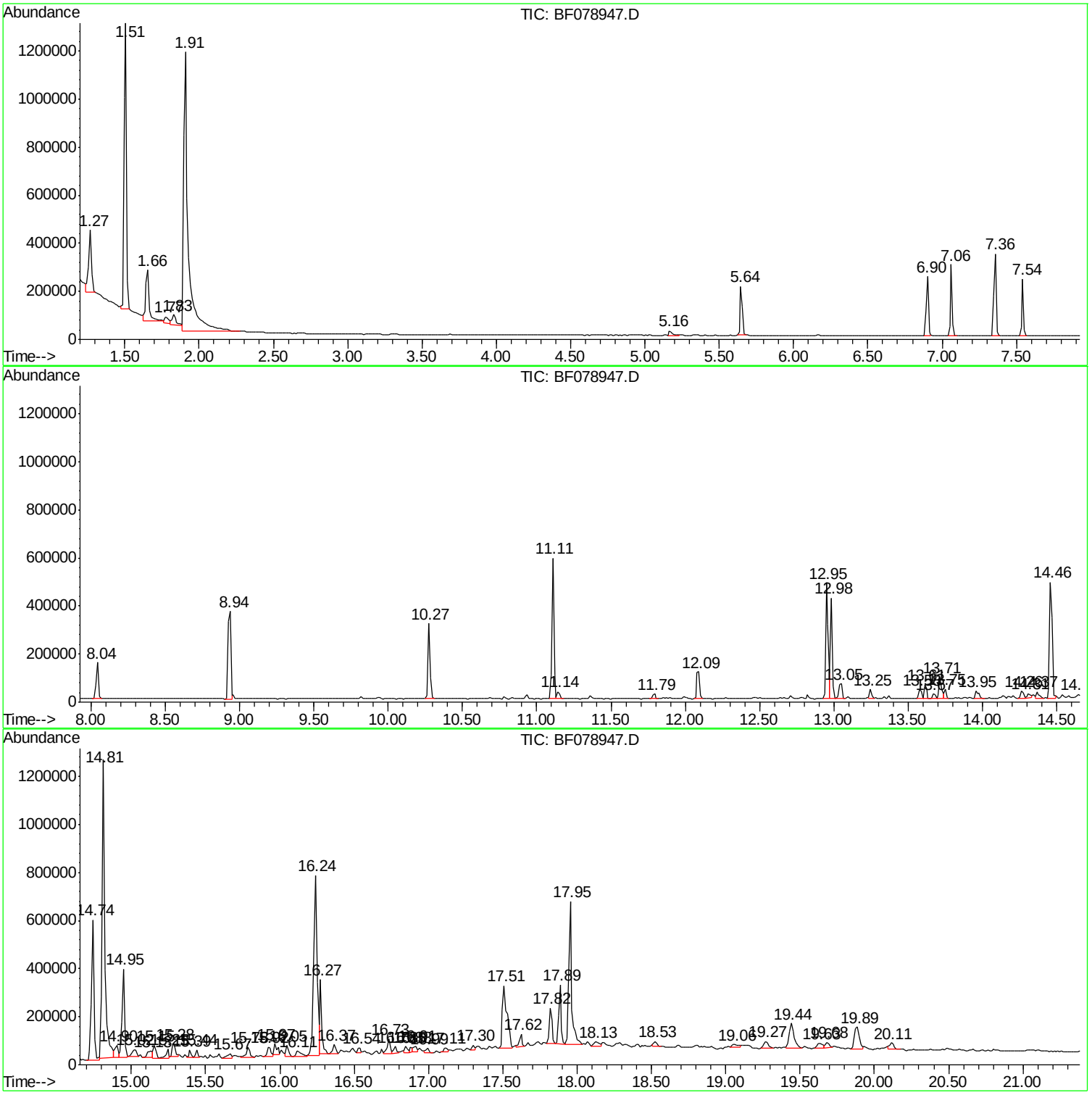
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

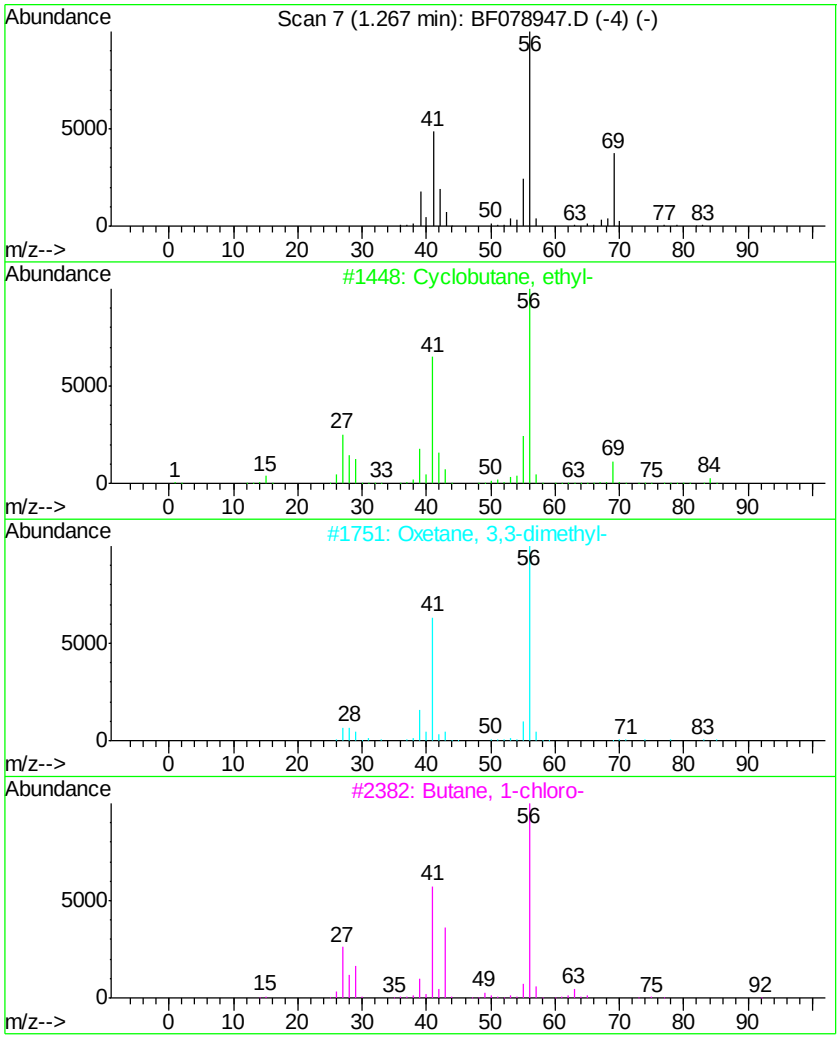
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

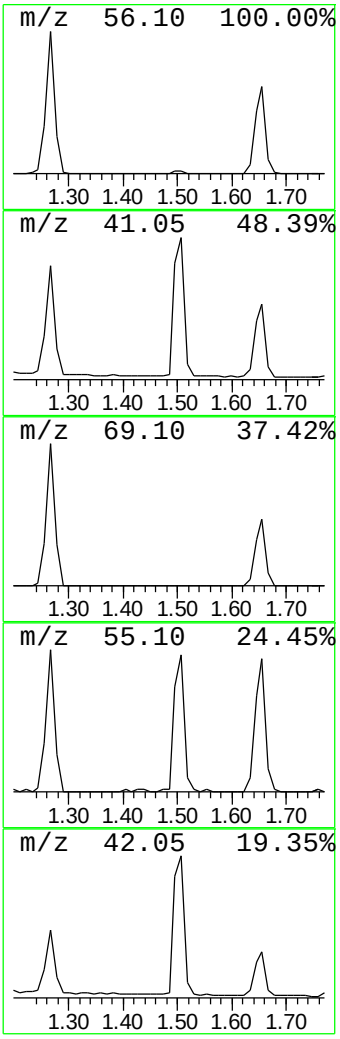
****

Peak Number 1 Cyclobutane, ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.27	18.38 ng	332052	1,4-Dichlorobenzene-d4	7.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethyl-	84	C6H12	004806-61-5	56
2	Oxetane, 3,3-dimethyl-	86	C5H10O	006921-35-3	36
3	Butane, 1-chloro-	92	C4H9Cl	000109-69-3	9
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	9
5	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

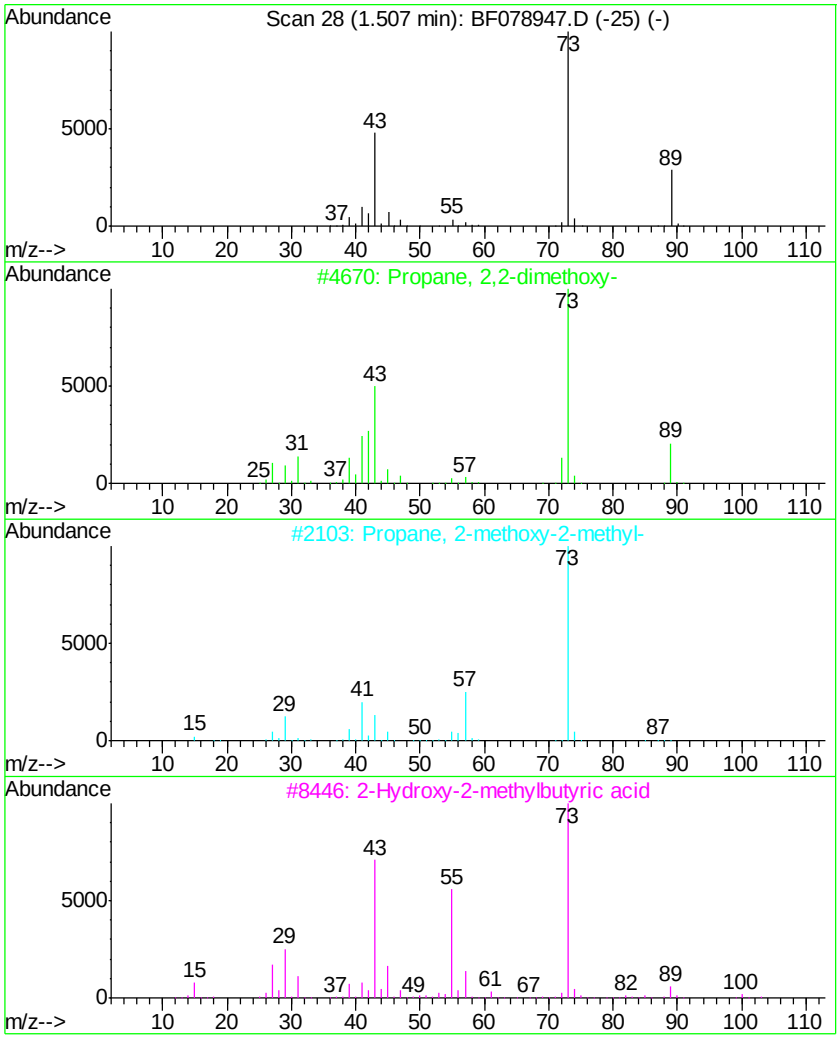
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

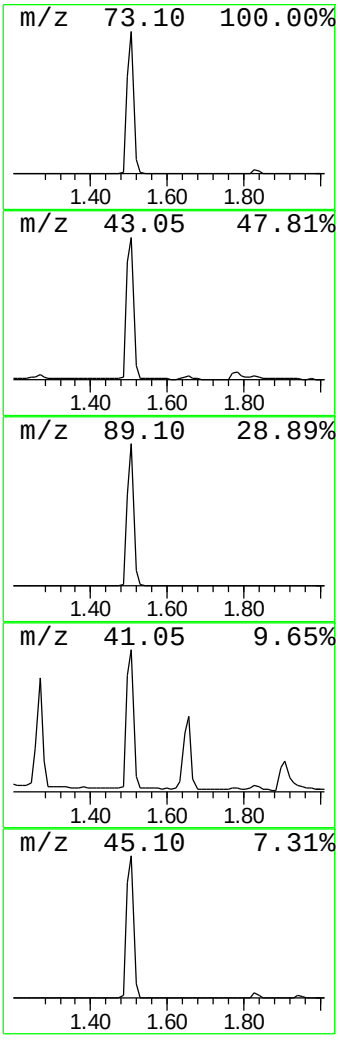
****

Peak Number 2 Propane, 2,2-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.51	83.42 ng	1506820	1,4-Dichlorobenzene-d4	7.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

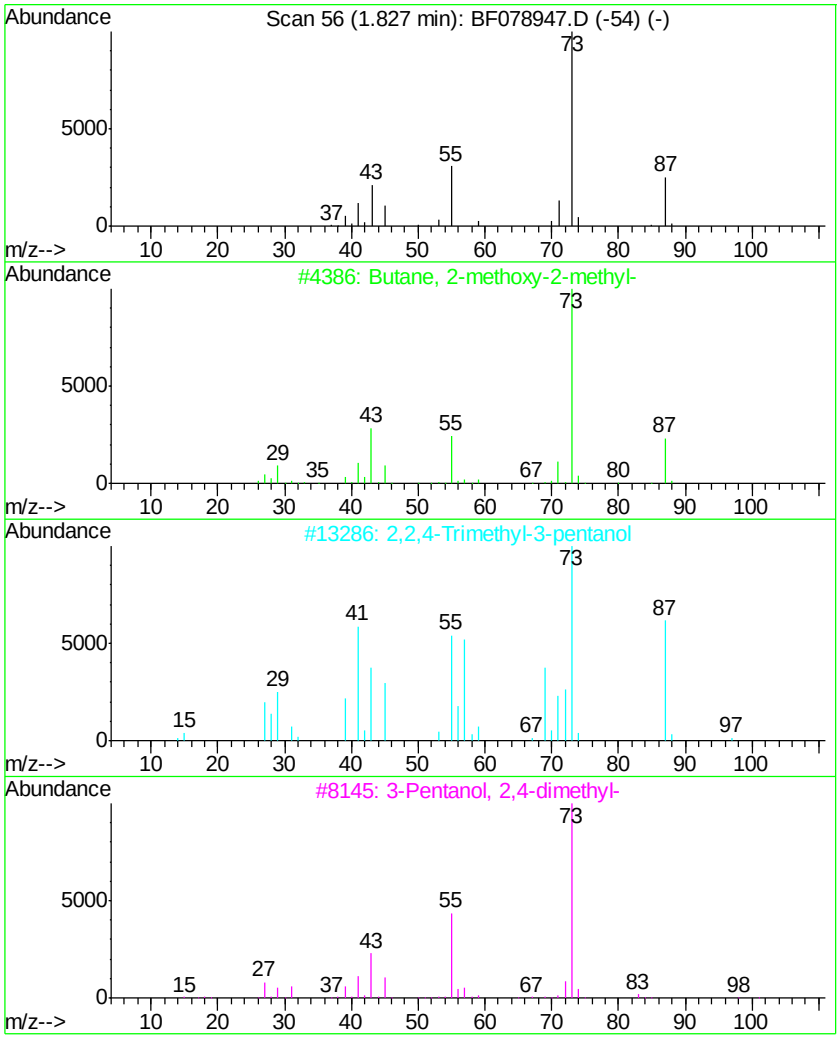
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

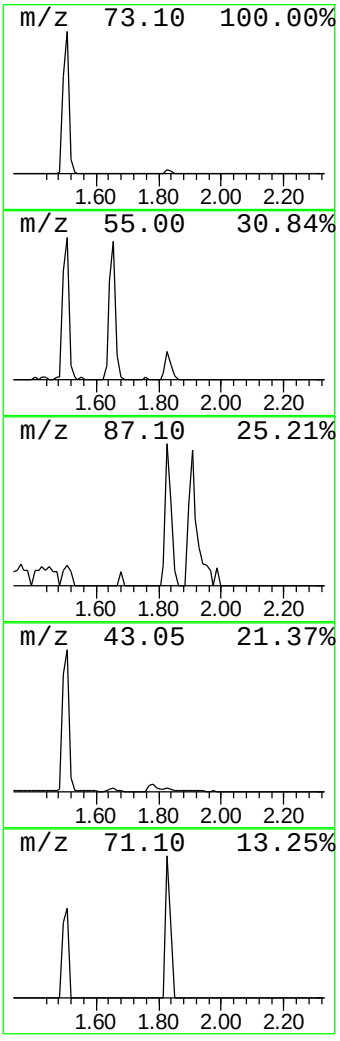
****

Peak Number 5 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.83	3.96 ng	71480	1,4-Dichlorobenzene-d4	7.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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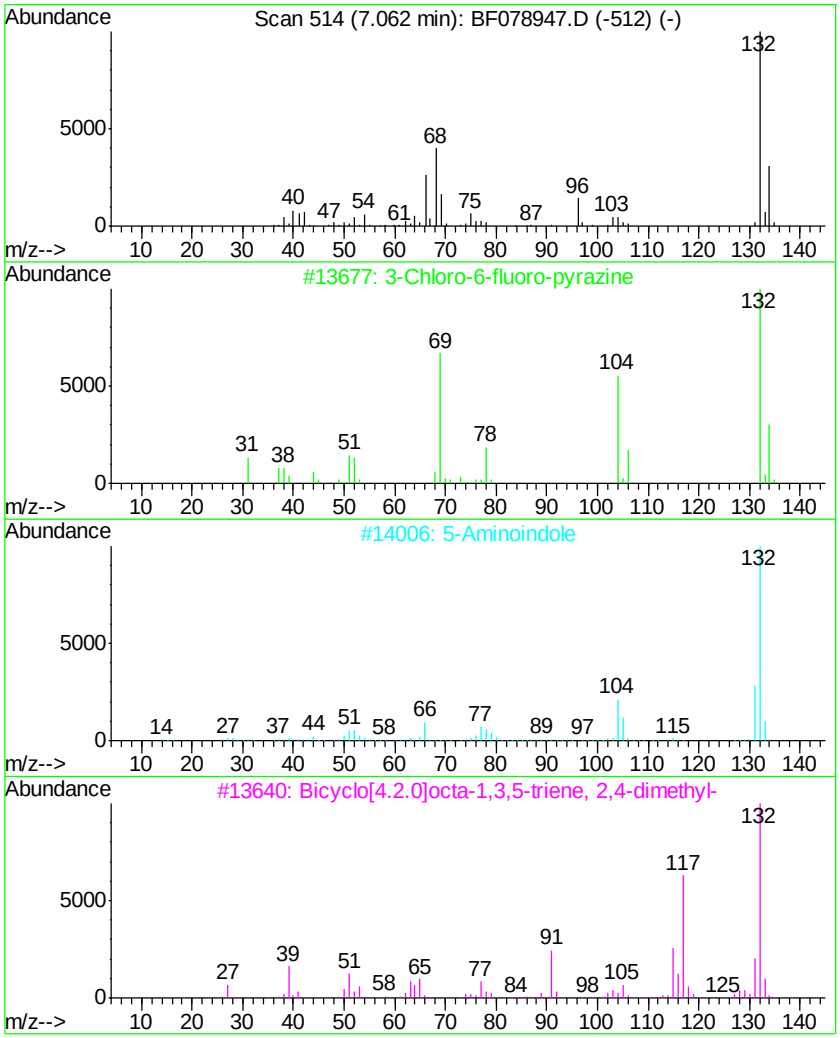
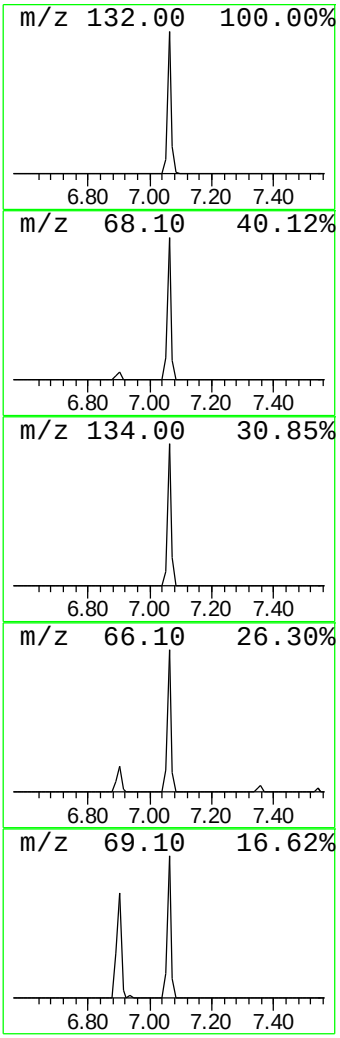
Peak Number 7 unknown7.06 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	14.59 ng	263581	1,4-Dichlorobenzene-d4	7.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

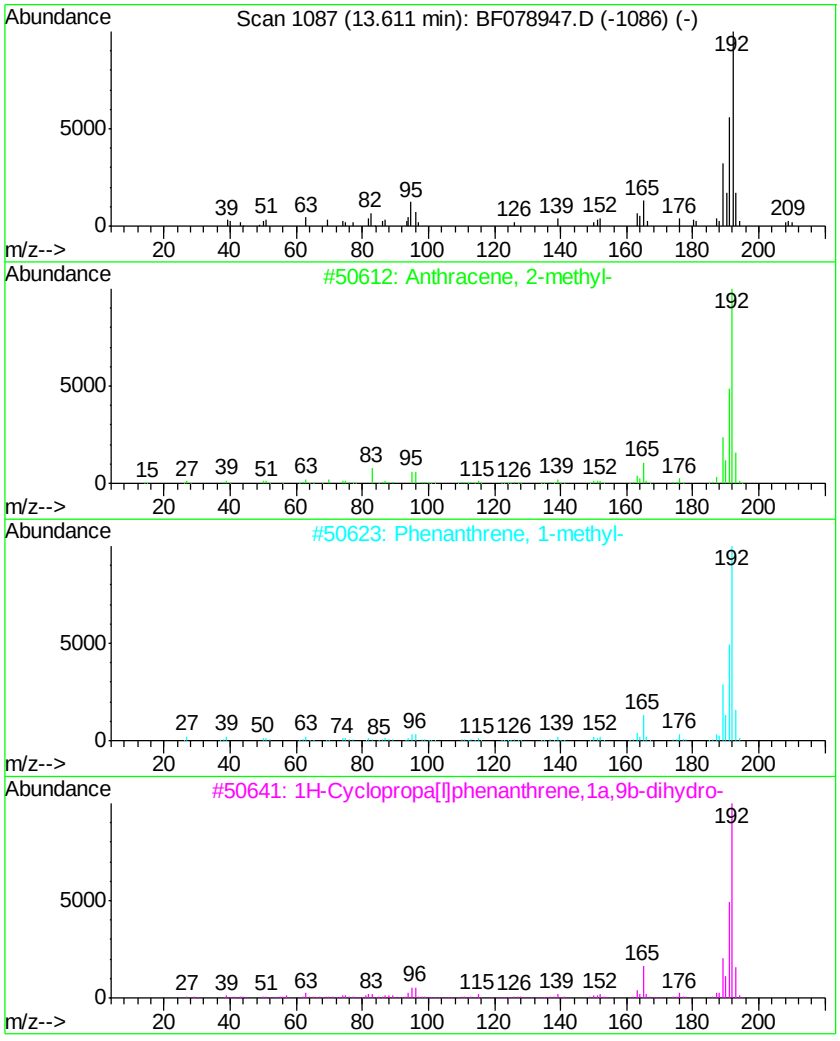
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

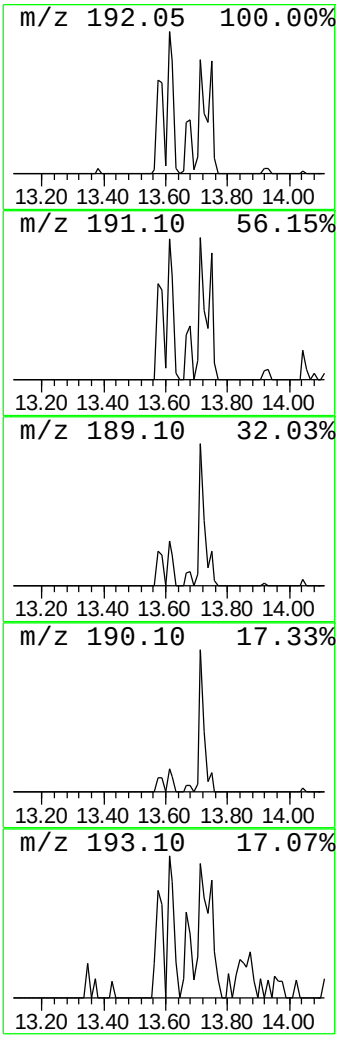
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	2.16 ng	67887	Phenanthrene-d10	12.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

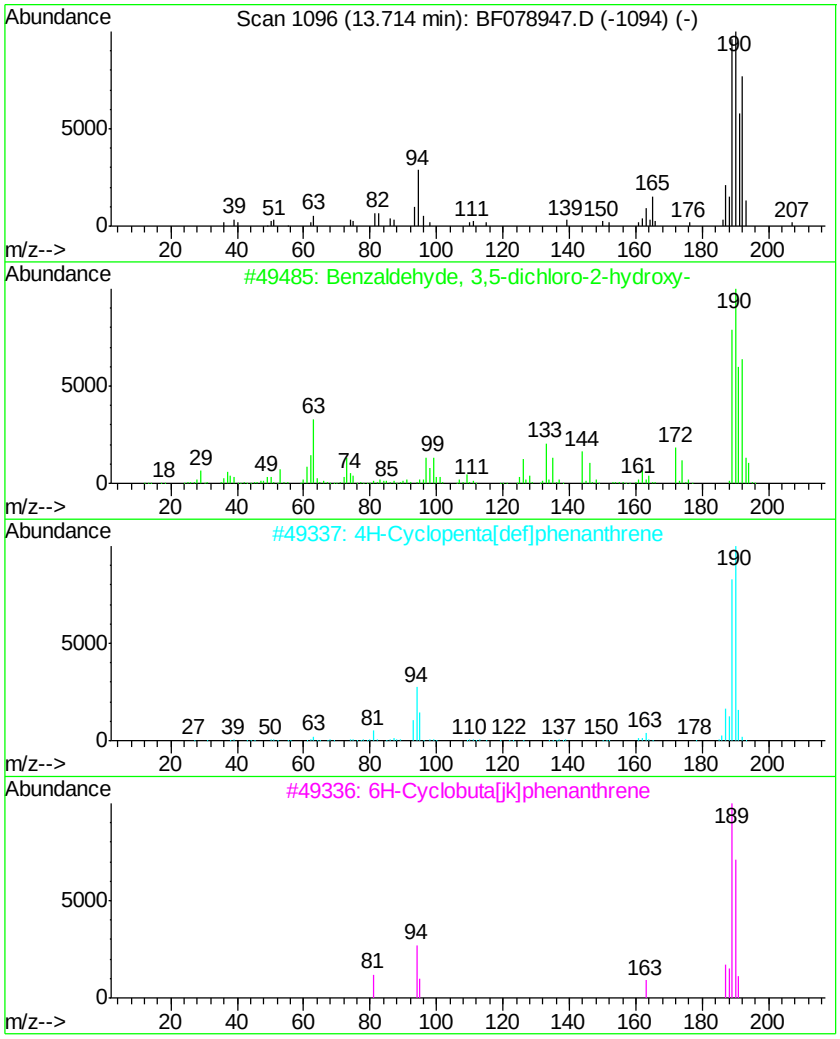
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

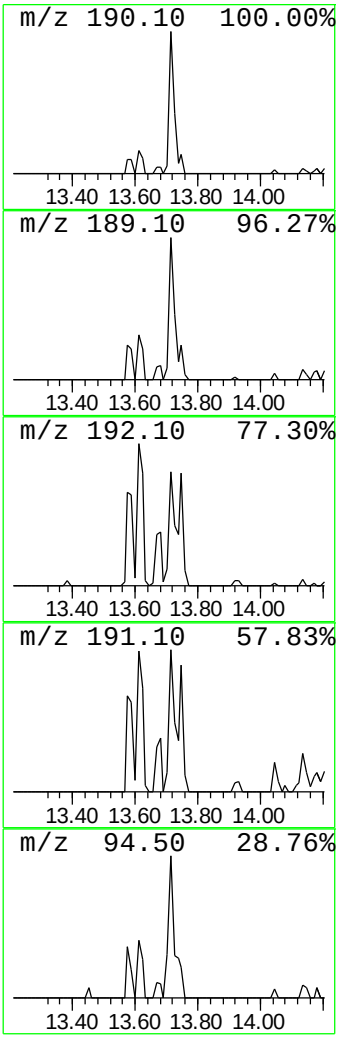
****

Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	3.36 ng	105666	Phenanthrene-d10	12.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

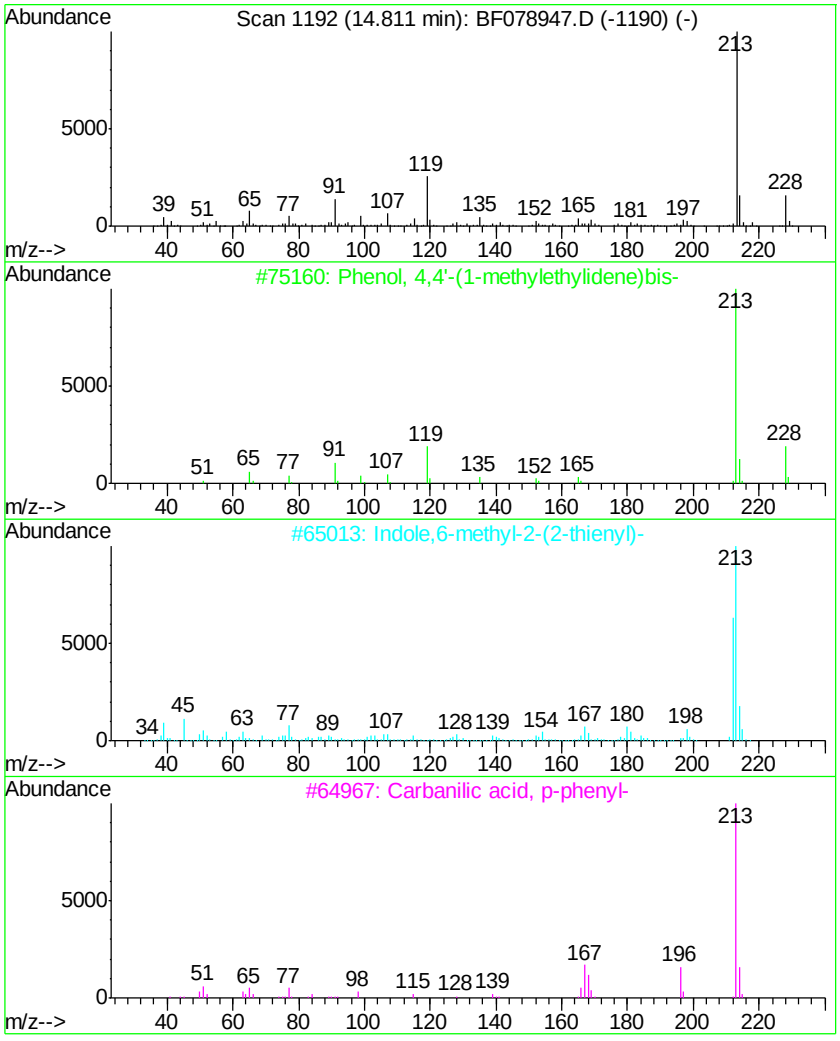
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

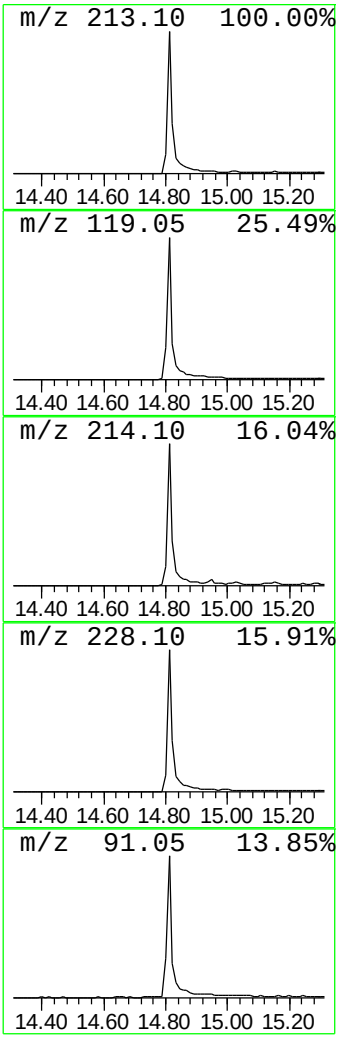
****

Peak Number 11 Phenol, 4,4'-(1-methylethyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	25.87 ng	1511310	Chrysene-d12	16.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96
2	Indole,6-methyl-2-(2-thienyl)-	213	C13H11NS	296245-70-0	52
3	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	49
4	Phenol, 2,4'-isopropylidenedi-	228	C15H16O2	000837-08-1	43
5	Carbamic acid, [1,1'-biphenyl]-3...	213	C13H11NO2	055030-29-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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
Cyclobutane, ethyl-	1.27	18.4	ng	332052	1	7.36	361246	20.0
Propane, 2,2-dime...	1.51	83.4	ng	1506820	1	7.36	361246	20.0
Butane, 2-methoxy...	1.83	4.0	ng	71480	1	7.36	361246	20.0
unknown7.06	7.06	14.6	ng	263581	1	7.36	361246	20.0
Anthracene, 2-met...	13.61	2.2	ng	67887	4	12.95	628973	20.0
Benzaldehyde, 3,5...	13.71	3.4	ng	105666	4	12.95	628973	20.0
Phenol, 4,4'-(1-m...	14.81	25.9	ng	1511310	5	16.24	1168270	20.0