LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

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_G\METHODS\8270-BG062516.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	4.177	219	228	234	rBV	71503	140053	1.02%	0.056%
2	4.635	302	306	314	rVB	149360	214720	1.56%	0.086%
3	5.235	394	408	414	rBV4	119651	283384	2.06%	0.114%
4	5.640	470	477	482	rBV	888989	1411749	10.25%	0.568%
5	5.705	482	488	495	rVV	1617701	2661165	19.31%	1.071%
6	5.799	495	504	509	rVB	321139	604504	4.39%	0.243%
7	6.022	535	542	552	rVB4	151808	323932	2.35%	0.130%
8	6.357	580	599	603	rBV2	334581	1207903	8.77%	0.486%
9	6.410	603	608	615	rVB	209231	343636	2.49%	0.138%
10	6.891	685	690	699	rVB4	114597	208156	1.51%	0.084%
11	7.132	723	731	735	rBV4	126345	256668	1.86%	0.103%
12	7.232	745	748	754	rVB3	163302	257055	1.87%	0.104%
13	7.314	754	762	767	rBV	1231561	2253347	16.35%	0.907%
14	7.414	775	779	786	rVB	334349	510120	3.70%	0.205%
15	7.549	791	802	807	rBV6	293550	757617	5.50%	0.305%
16	7.690	808	826	837	rVV2	2677221	6237776	45.27%	2.512%
17	7.802	839	845	854	rVB	239231	401312	2.91%	0.162%
18	8.037	882	885	892	rVB4	114537	219375	1.59%	0.088%
19	8.114	892	898	900	rBV4	142873	269667	1.96%	0.109%
20	8.161	900	906	910	rVV	573253	1083433	7.86%	0.436%
21	8.202	910	913	919	rVV7	188847	352932	2.56%	0.142%
22	8.266	921	924	929	rVV	94213	157390	1.14%	0.063%
23	8.484	944	961	967	rBV2	2517899	5702016	41.38%	2.296%
24	8.824	1010	1019	1023	rBV4	327800	716626	5.20%	0.289%
25	9.106	1030	1067	1068	rBV4	1942733	13446235	97.58%	5.414%
26	9.236	1087	1089	1092	rVB2	314191	293528	2.13%	0.118%
27	9.330	1092	1105	1114	rBV2	2949261	8519538	61.83%	3.430%
28	9.459	1120	1127	1130	rBV4	1178531	2447930	17.77%	0.986%
29	9.529	1135	1139	1140	rBV	347247	498475	3.62%	0.201%
30	9.659	1146	1161	1165	rVB4	2444864	11095976	80.53%	4.468%
31	9.782	1167	1182	1191	rBV5	1565886	5908178	42.88%	2.379%
32	10.000	1191	1219	1222	rVV2	2608421	13779123	100.00%	5.548%
33	10.041	1222	1226	1229	rVV	1248419	1945101	14.12%	0.783%
34	10.088	1229	1234	1239	rVB	1243621	2058726	14.94%	0.829%

LSC Area Percent Report

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Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

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_G\METHODS\8270-BG062516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.176	1246	1249	1252	rBV4	183921	242656	1.76%	0.098%
36	10.205	1252	1254	1260	rVB2	274445	388996	2.82%	0.157%
37	10.293	1264	1269	1271	rBV3	229415	395607	2.87%	0.159%
38	10.323	1272	1274	1278	rVB5	154488	179618	1.30%	0.072%
39	10.381	1279	1284	1293	rVB6	354423	751040	5.45%	0.302%
40	10.458	1293	1297	1304	rVB7	193401	347099	2.52%	0.140%
41	10.528	1304	1309	1313	rBV6	183901	281031	2.04%	0.113%
42	10.611	1314	1323	1328	rBV7	564112	1544811	11.21%	0.622%
43	10.822	1348	1359	1361	rBV4	622145	1726206	12.53%	0.695%
44	10.987	1377	1387	1392	rBV2	1289357	3653254	26.51%	1.471%
45	11.034	1392	1395	1401	rVV	750767	1266291	9.19%	0.510%
46	11.092	1401	1405	1409	rVV8	84612	147539	1.07%	0.059%
47	11.222	1417	1427	1439	rBV5	1327532	4150285	30.12%	1.671%
48	11.351	1440	1449	1455	rBV5	1164818	4210511	30.56%	1.695%
49	11.574	1476	1487	1489	rBV7	1806166	4217993	30.61%	1.698%
50	11.839	1509	1532	1537	rBV7	1978219	11653889	84.58%	4.692%
51	12.079	1567	1573	1574	rBV4	1423947	2561614	18.59%	1.031%
52	12.179	1583	1590	1594	rBV2	1953900	4330429	31.43%	1.744%
53	12.244	1595	1601	1608	rVB4	3412264	8422174	61.12%	3.391%
54	12.309	1608	1612	1616	rVB2	1300773	1760658	12.78%	0.709%
55	12.420	1620	1631	1634	rVB3	2108407	6191940	44.94%	2.493%
56	12.479	1635	1641	1648	rBV4	1781911	4408995	32.00%	1.775%
57	12.549	1648	1653	1660	rVV2	1315889	3207109	23.28%	1.291%
58	12.602	1660	1662	1665	rVB2	348856	332677	2.41%	0.134%
59	12.691	1671	1677	1686	rBV5	1481449	3700216	26.85%	1.490%
60	12.790	1688	1694	1698	rBV2	1289614	2227091	16.16%	0.897%
61	12.955	1718	1722	1730	rBV6	662350	1643826	11.93%	0.662%
62	13.043	1730	1737	1742	rBV6	829144	2380110	17.27%	0.958%
63	13.137	1748	1753	1760	rVB3	1289597	2349151	17.05%	0.946%
64	13.237	1761	1770	1772	rVV4	1029762	2560355	18.58%	1.031%
65	13.266	1772	1775	1781	rVB2	1641405	2818618	20.46%	1.135%
66	13.425	1795	1802	1807	rVB	5939381	10160962	73.74%	4.091%
67	13.484	1807	1812	1817	rBV3	974277	1922118	13.95%	0.774%
68	13.531	1817	1820	1824	rVB4	493025	651704	4.73%	0.262%
69	13.613	1828	1834	1839	rBV6	687763	1558219	11.31%	0.627%
70	13.695	1839	1848	1849	rBV4	757588	1549718	11.25%	0.624%
71	13.936	1887	1889	1892	rBV4	246826	273327	1.98%	0.110%

LSC Area Percent Report

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Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

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_G\METHODS\8270-BG062516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.036	1902	1906	1909	rBV4	433195	631115	4.58%	0.254%
73	14.083	1910	1914	1916	rBV2	590835	881885	6.40%	0.355%
74	14.406	1966	1969	1972	rBV5	625273	948290	6.88%	0.382%
75	14.447	1972	1976	1981	rVB2	1539723	2254486	16.36%	0.908%
76	14.582	1992	1999	2006	rVB6	986009	2348691	17.05%	0.946%
77	14.676	2010	2015	2026	rVB3	1687679	3622298	26.29%	1.458%
78	14.765	2026	2030	2033	rBV4	839008	1340687	9.73%	0.540%
79	14.806	2033	2037	2043	rVB2	1616417	2431947	17.65%	0.979%
80	14.941	2056	2060	2067	rBV4	780600	1266280	9.19%	0.510%
81	15.111	2087	2089	2096	rVB5	647638	1088474	7.90%	0.438%
82	15.246	2108	2112	2118	rVB	895250	1438904	10.44%	0.579%
83	15.329	2122	2126	2130	rBV3	945701	1652028	11.99%	0.665%
84	15.428	2135	2143	2148	rVV2	2944310	6946512	50.41%	2.797%
85	15.487	2148	2153	2159	rVB5	1933776	4434601	32.18%	1.786%
86	15.622	2172	2176	2181	rVB4	701718	1116247	8.10%	0.449%
87	15.840	2209	2213	2217	rBV5	594404	1077386	7.82%	0.434%
88	16.304	2287	2292	2296	rBV	4835735	6923732	50.25%	2.788%
89	16.345	2296	2299	2303	rVB5	682701	878034	6.37%	0.354%
90	17.561	2502	2506	2511	rBV2	1665827	2657644	19.29%	1.070%
91	20.158	2943	2948	2954	rVB	8259982	11242987	81.59%	4.527%
92	21.856	3231	3237	3243	rVB	1839373	3281075	23.81%	1.321%
93	25.223	3801	3810	3821	rVB2	1076388	3161448	22.94%	1.273%

Sum of corrected areas: 248359934

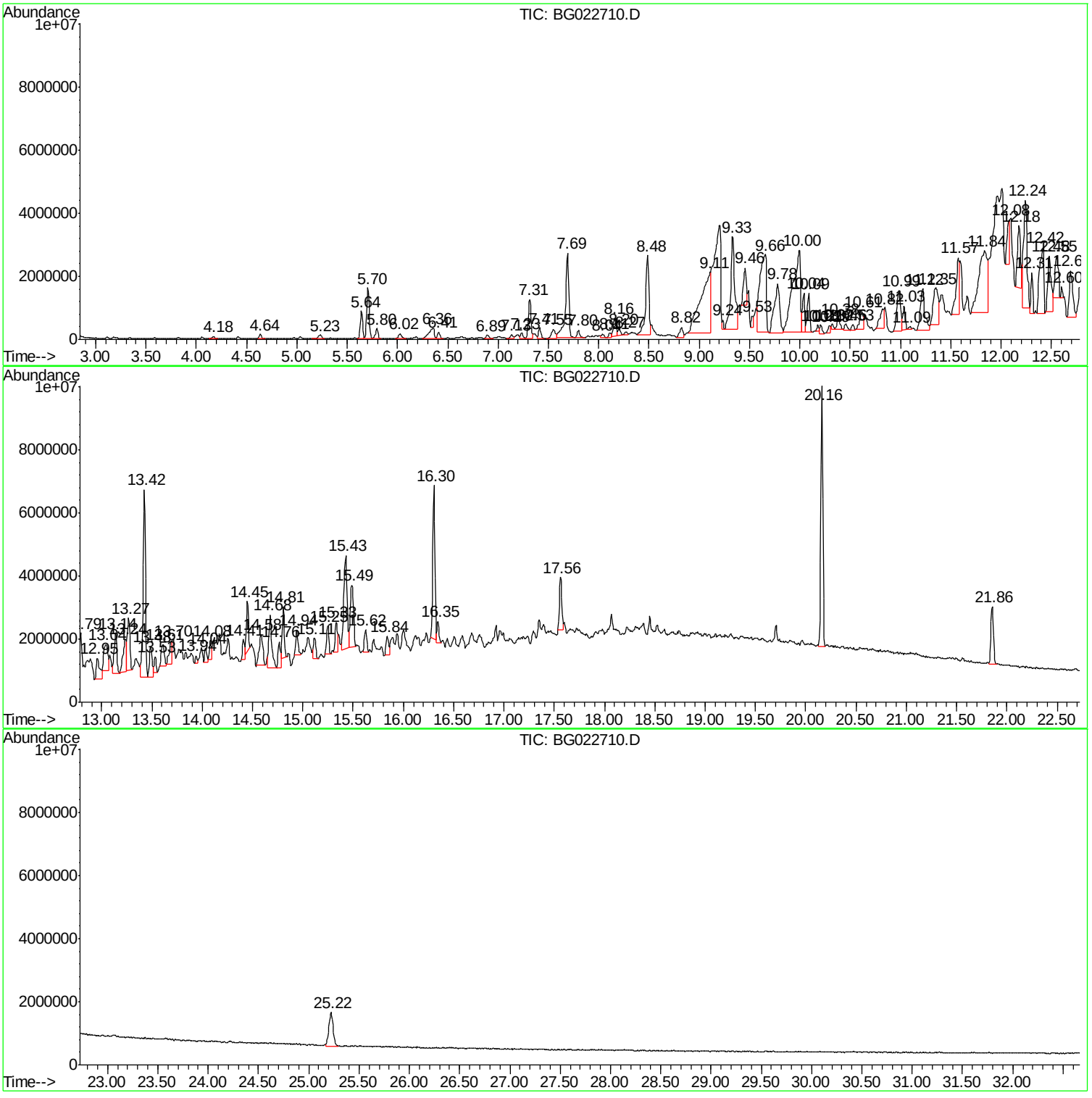
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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 G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

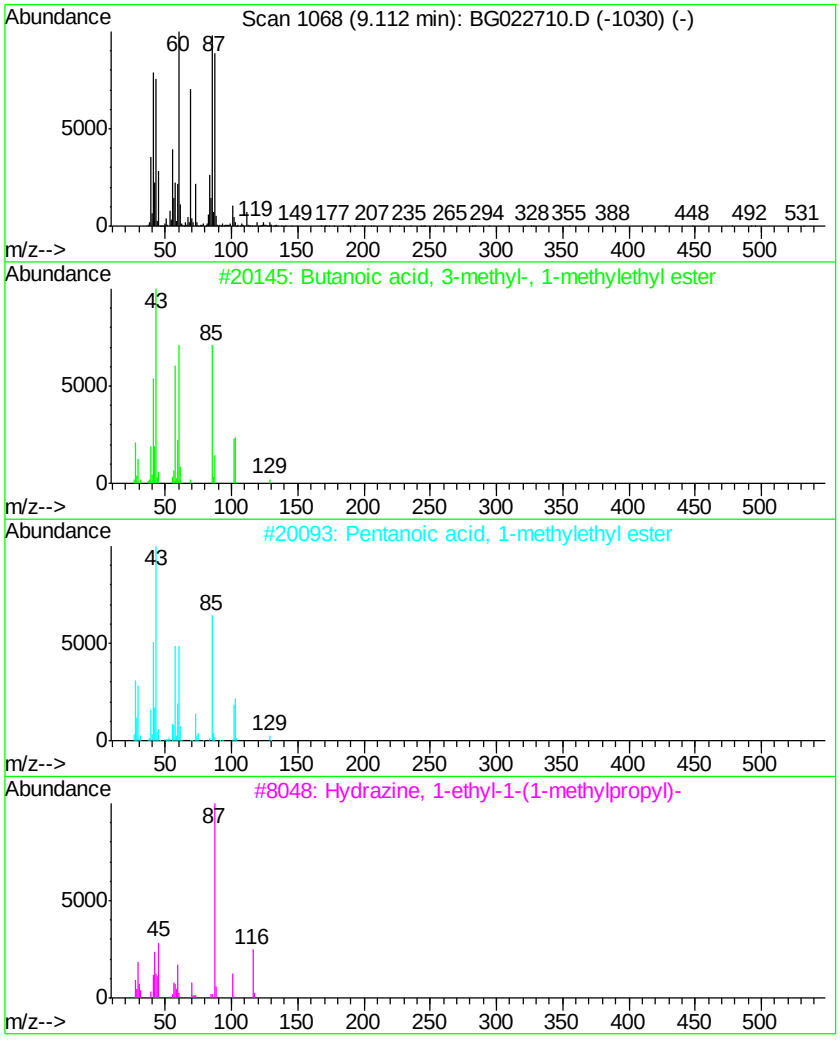
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

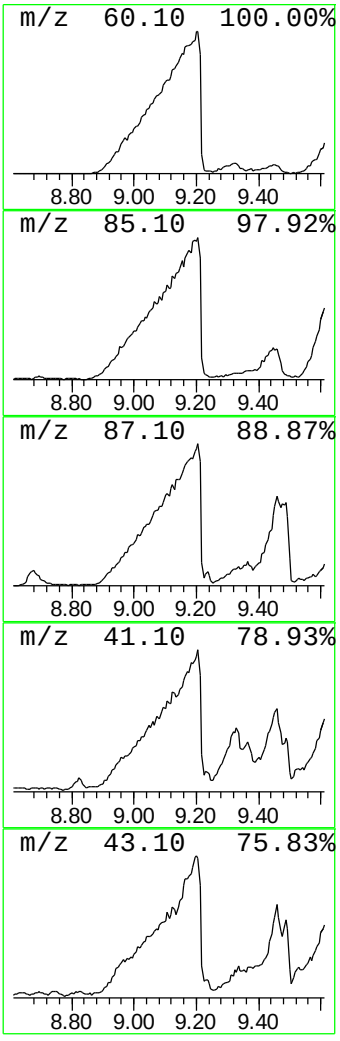
****

Peak Number 4 unknown9.11 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	248.22 ng	13446200	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methyl-, 1-meth...	144	C8H16O2	032665-23-9	43
2	Pentanoic acid, 1-methylethyl ester	144	C8H16O2	018362-97-5	38
3	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	27
4	1,3-Dioxane, 2-methyl-	102	C5H10O2	000626-68-6	25
5	Hexane, 3-methoxy-3-methyl-	130	C8H18O	074630-91-4	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

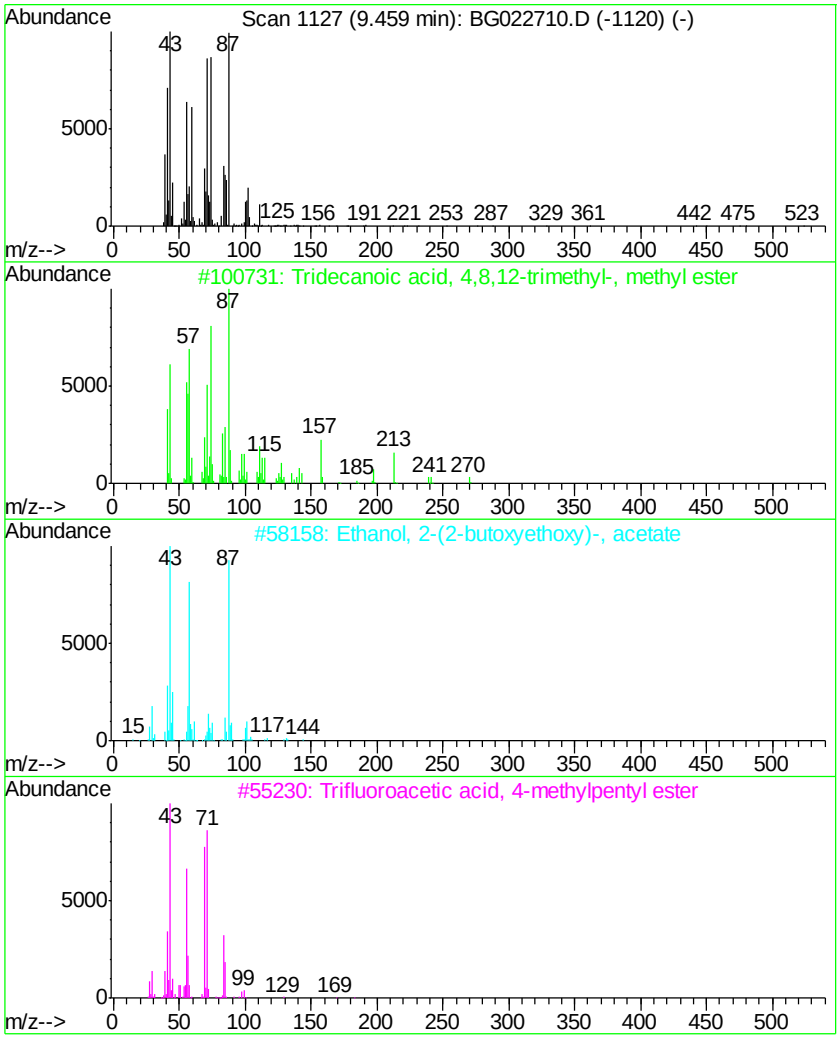
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

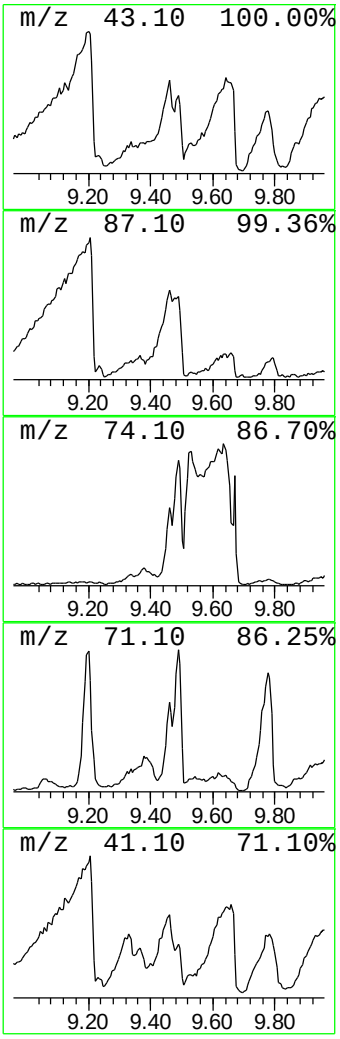
****

Peak Number 5 unknown9.46 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	45.19 ng	2447930	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, 4,8,12-trimeth...	270	C17H34O2	010339-74-9	47
2	Ethanol, 2-(2-butoxyethoxy)-, ac...	204	C10H20O4	000124-17-4	14
3	Trifluoroacetic acid, 4-methylpe...	198	C8H13F3O2	000327-71-9	14
4	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	14
5	1-Deoxy-2,4-methylene-3,5-anhydr...	130	C6H10O3	1000124-94-7	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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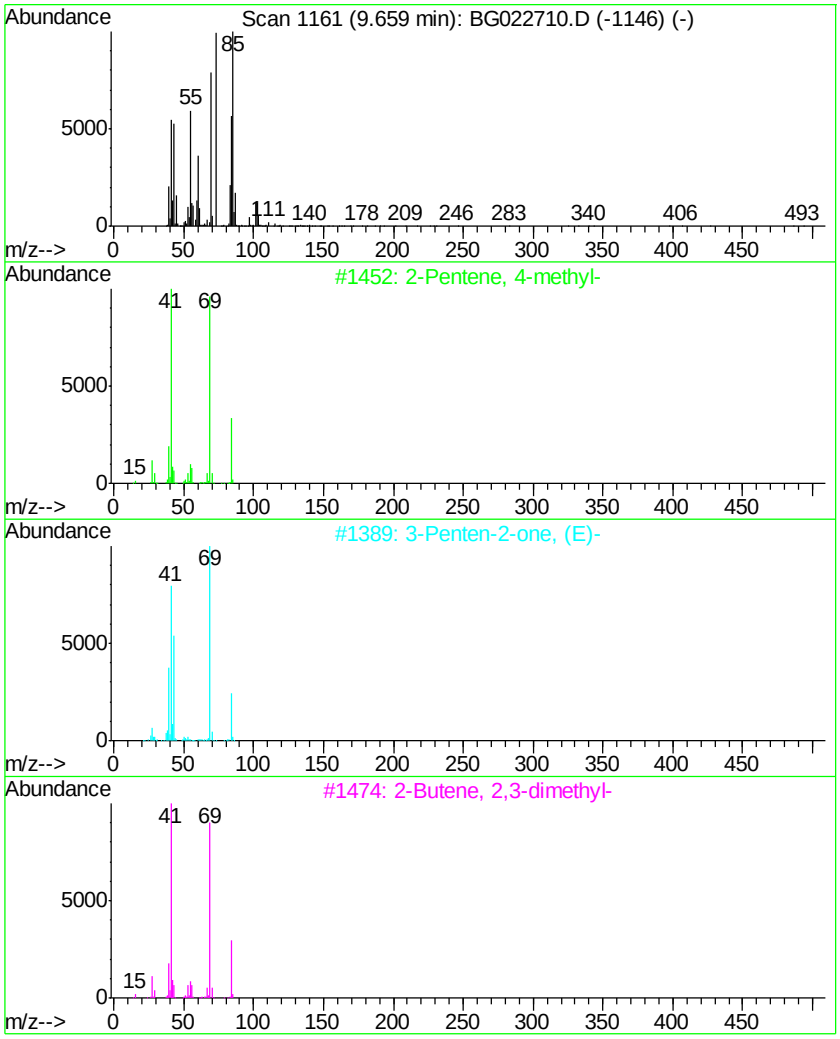
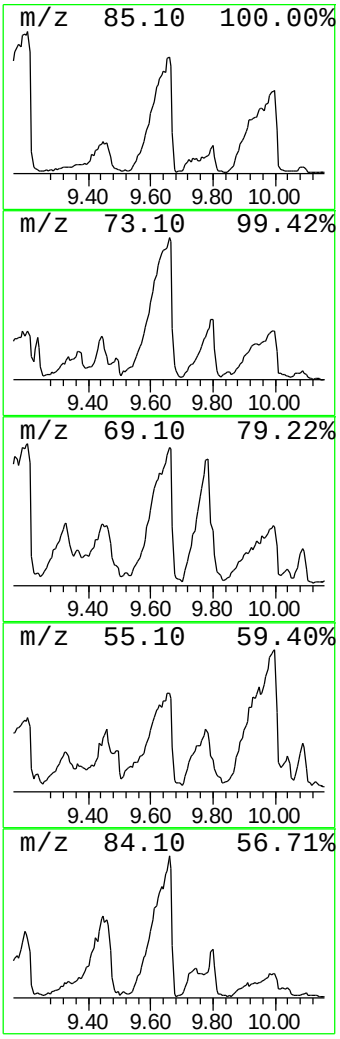
Peak Number 6 unknown9.66 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	60.75 ng	11096000	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	30
2	3-Penten-2-one, (E)-	84	C5H8O	003102-33-8	30
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	30
4	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	30
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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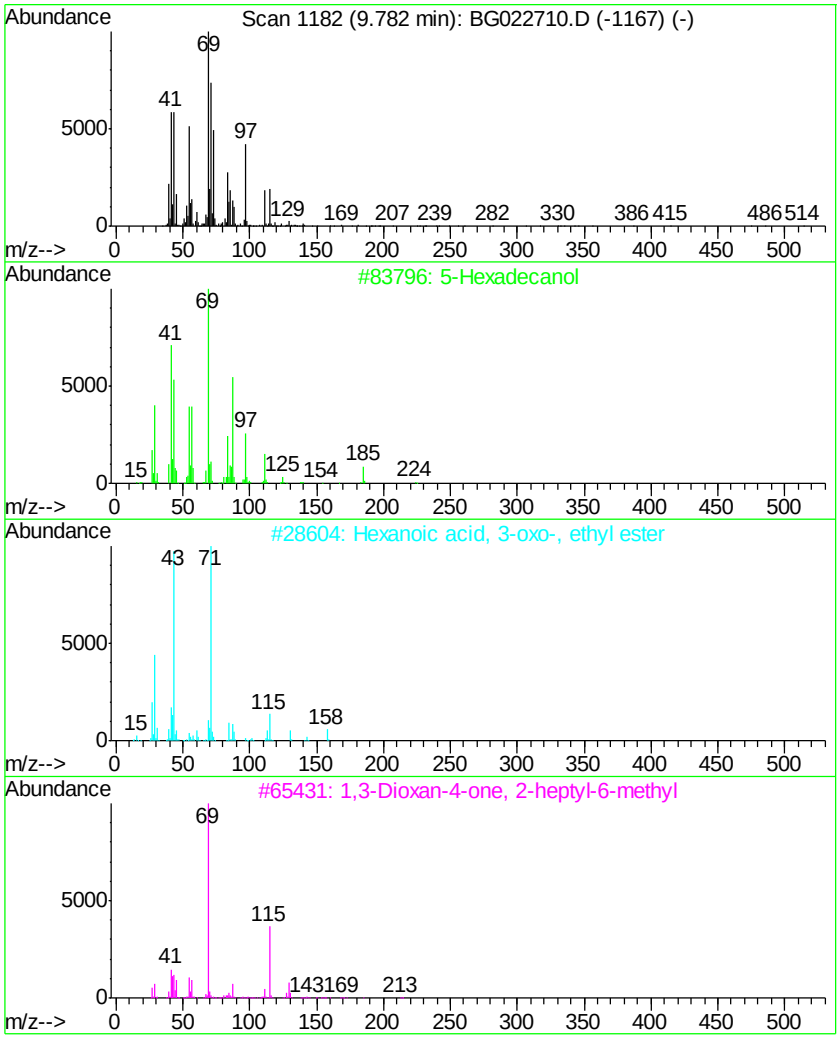
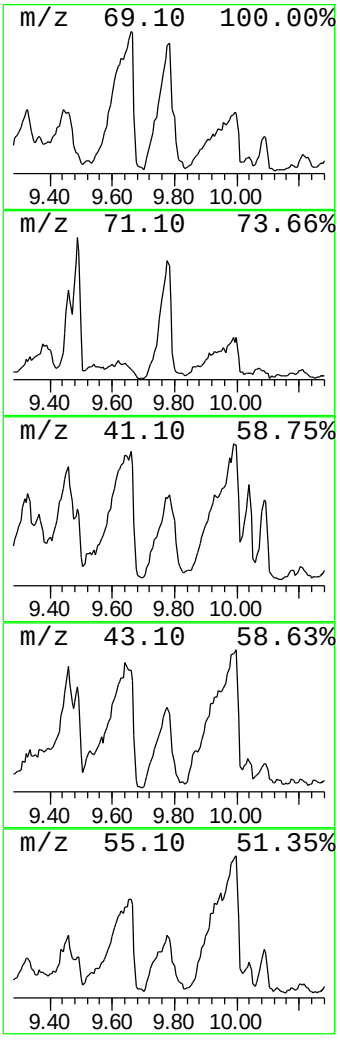
Peak Number 7 unknown9.78 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	32.34 ng	5908180	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hexadecanol	242	C16H34O	021078-87-5	38
2	Hexanoic acid, 3-oxo-, ethyl ester	158	C8H14O3	003249-68-1	27
3	1,3-Dioxan-4-one, 2-heptyl-6-methyl	214	C12H22O3	099902-24-6	27
4	Butanoic acid, 1-methyloctyl ester	214	C13H26O2	069727-42-0	27
5	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

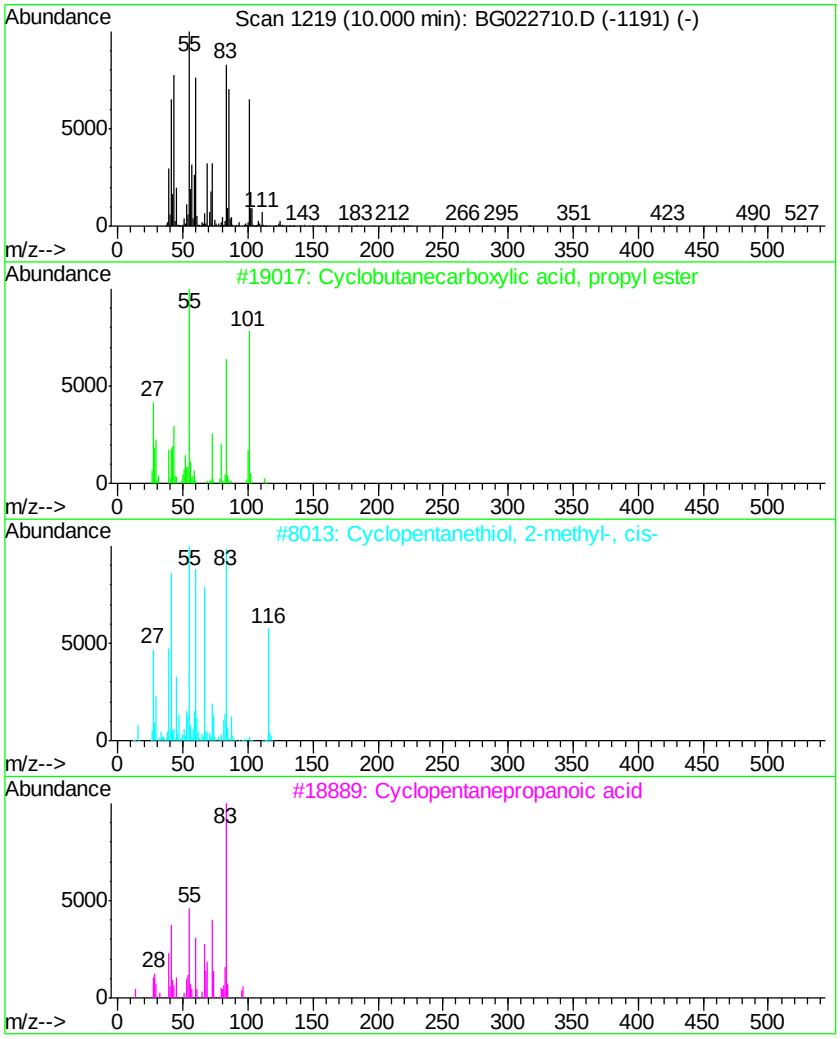
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

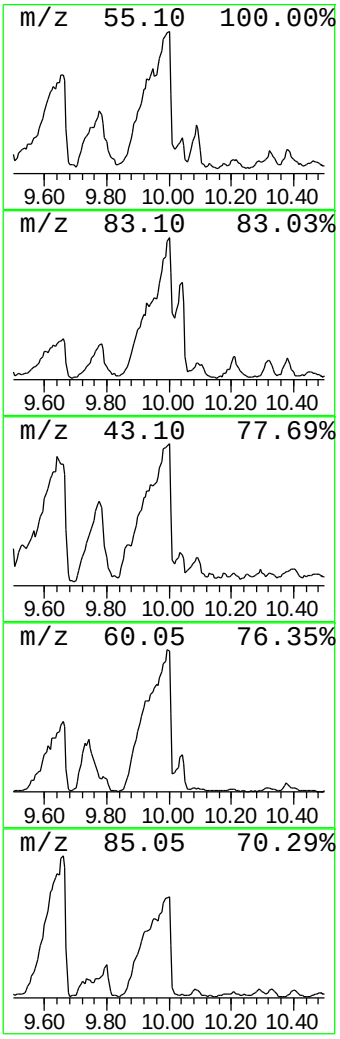
****

Peak Number 8 unknown10.00 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	75.43 ng	13779100	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutanecarboxylic acid, prop...	142	C8H14O2	1000280-40-0	43
2	Cyclopentanethiol, 2-methyl-, cis-	116	C6H12S	001638-94-4	38
3	Cyclopentanepropanoic acid	142	C8H14O2	000140-77-2	38
4	Pentanoic acid, 1-methylethyl ester	144	C8H16O2	018362-97-5	35
5	Cyclobutanecarboxylic acid, 2-bu...	156	C9H16O2	1000282-60-4	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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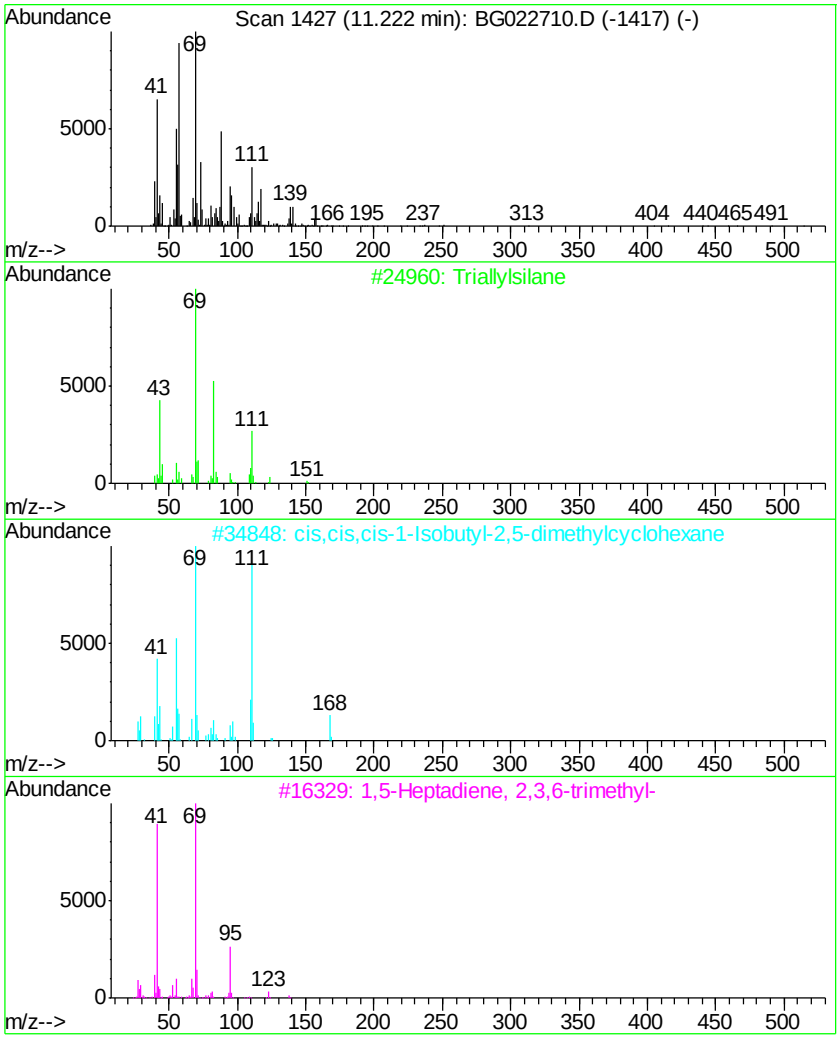
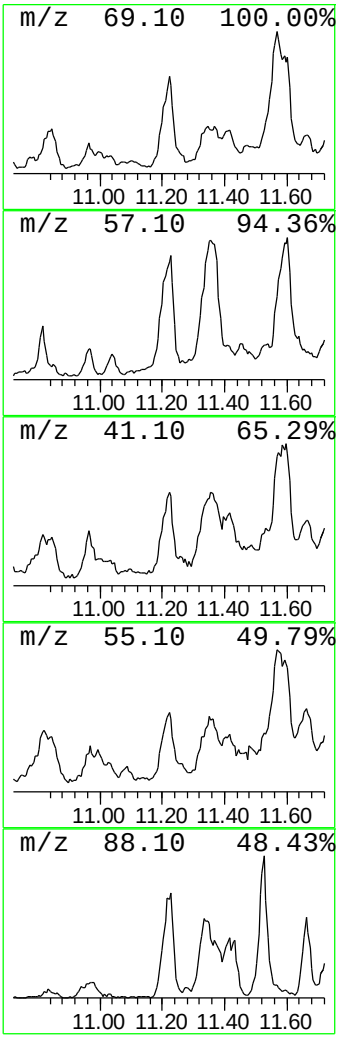
Peak Number 9 unknown11.22 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	22.72 ng	4150290	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triallylsilane	152	C9H16Si	001116-62-7	38
2	cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	38
3	1,5-Heptadiene, 2,3,6-trimethyl-	138	C10H18	033501-88-1	35
4	2-Octene, 2-methyl-6-methylene-	138	C10H18	010054-09-8	35
5	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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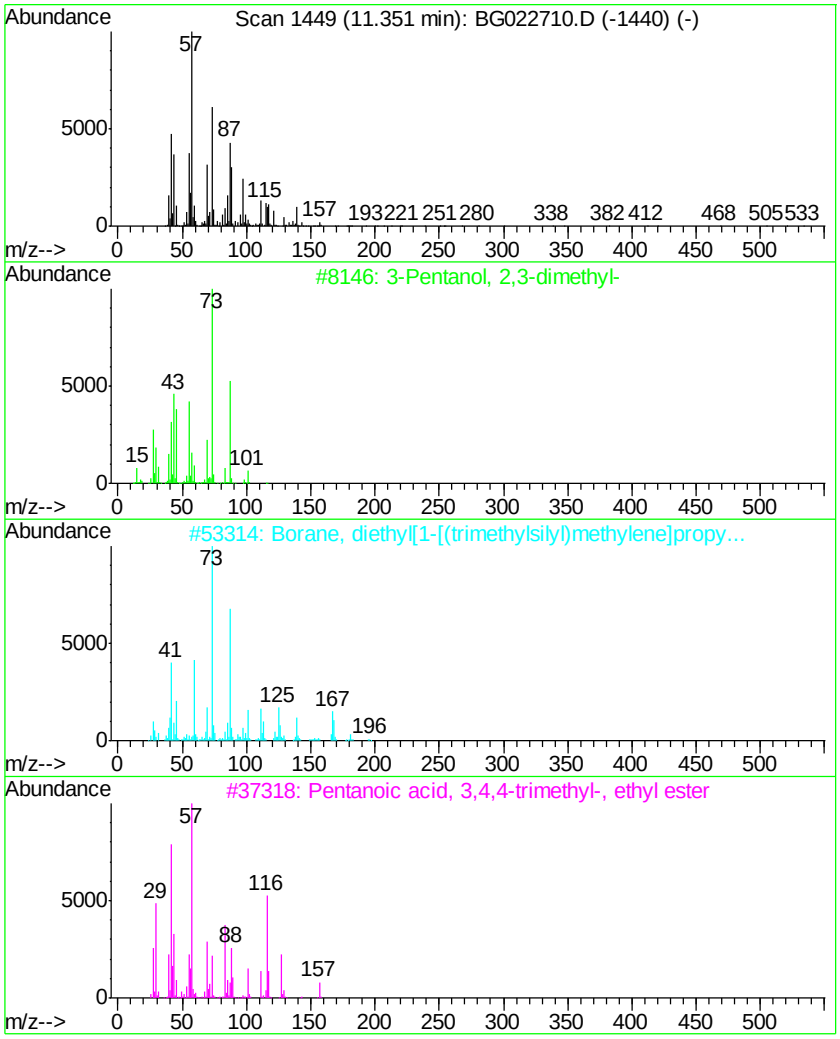
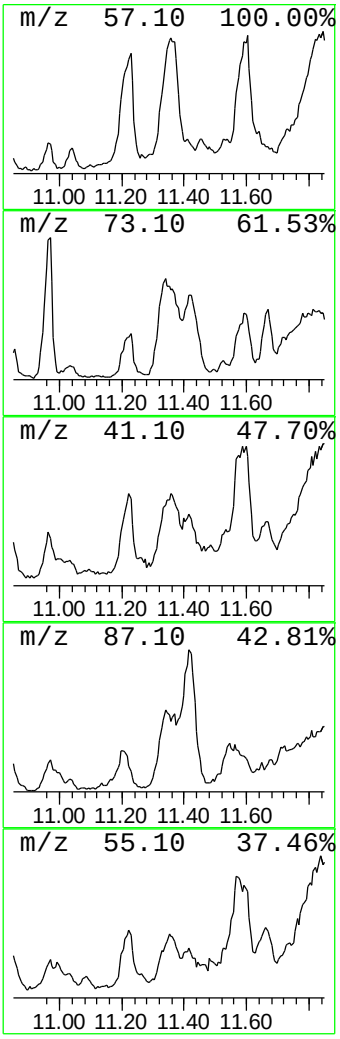
Peak Number 10 unknown11.35 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	23.05 ng	4210510	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	22
2	Borane, diethyl[1-[(trimethylsil...	196	C11H25BSi	125236-50-2	17
3	Pentanoic acid, 3,4,4-trimethyl-...	172	C10H20O2	106325-27-3	16
4	2-Butoxyethyl acetate	160	C8H16O3	000112-07-2	12
5	Pentanoic acid, 4,4-dimethyl-3-o...	172	C9H16O3	017094-34-7	12





Library Search Compound Report

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Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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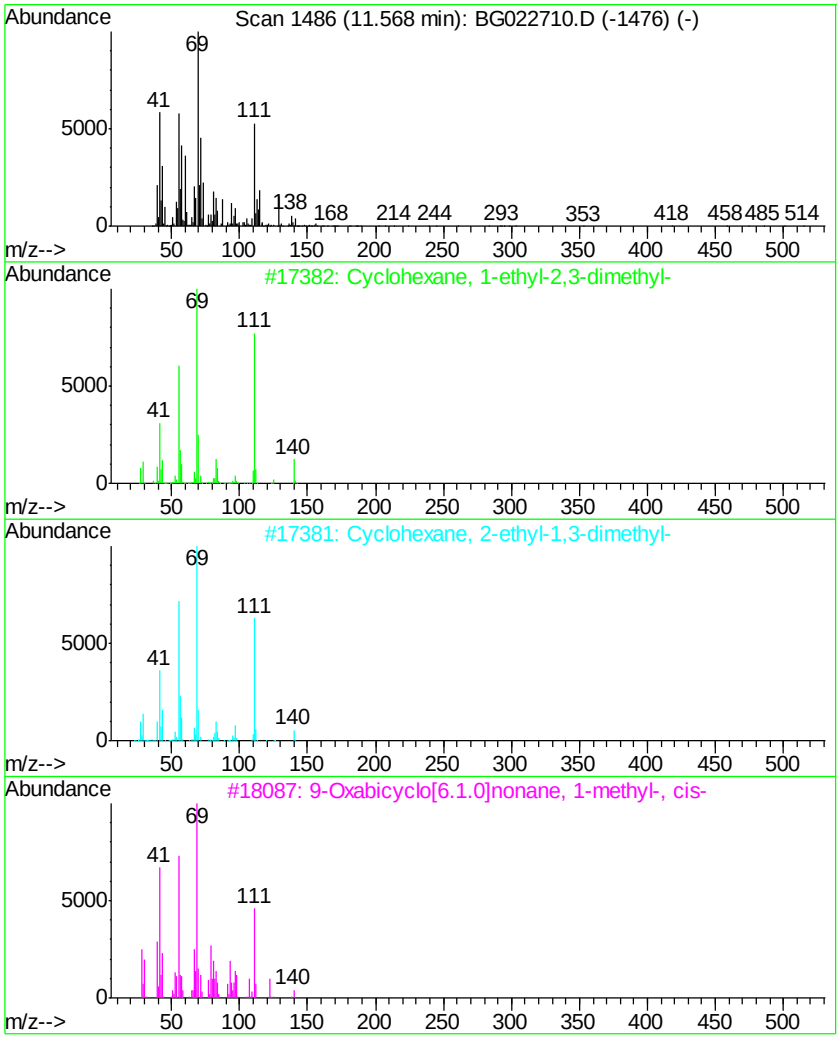
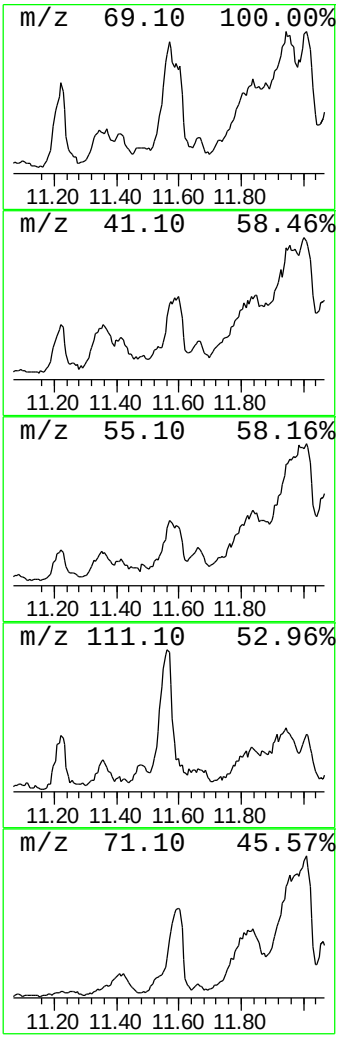
Peak Number 11 unknown11.57 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	23.09 ng	4217990	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	35
2	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	35
3	9-Oxabicyclo[6.1.0]nonane, 1-met...	140	C9H16O	052954-47-9	35
4	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	27
5	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	27





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Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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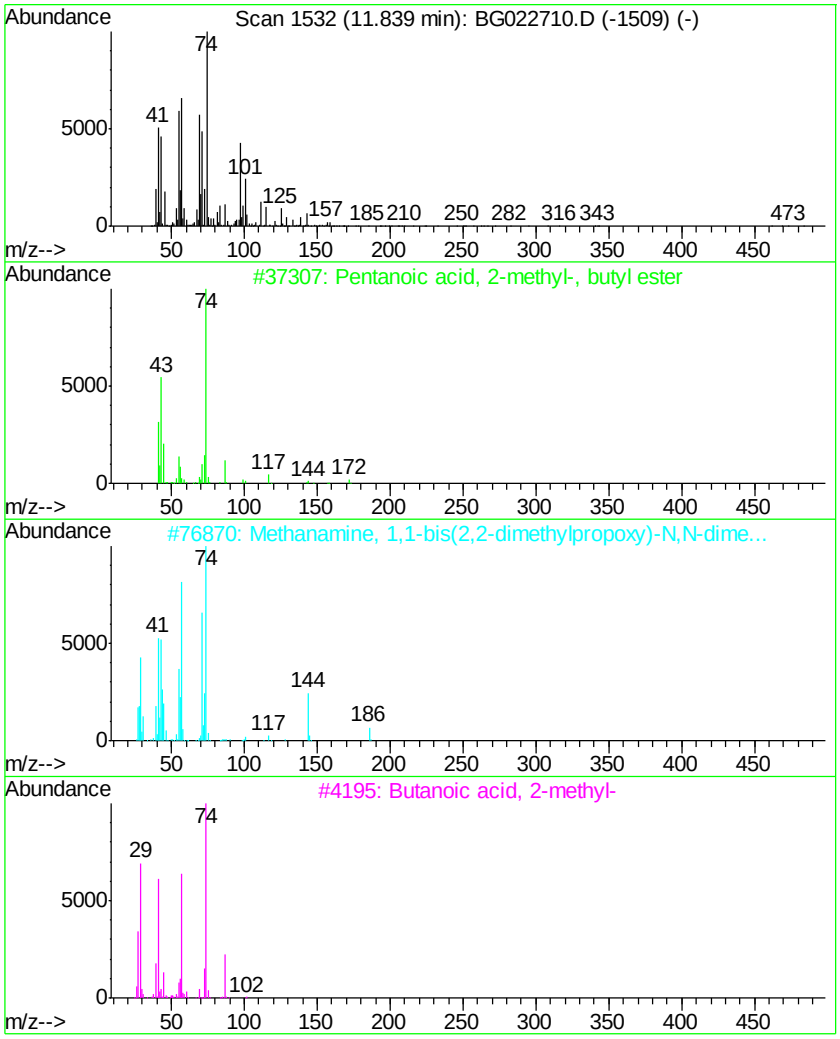
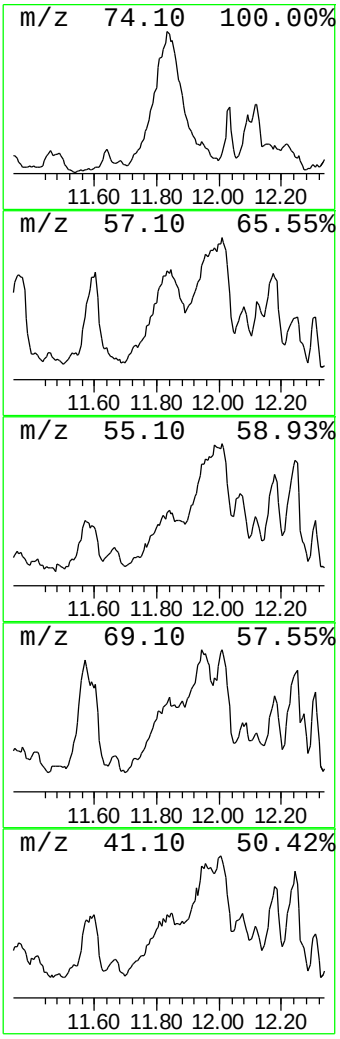
Peak Number 12 unknown11.84 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	63.80 ng	11653900	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 2-methyl-, butyl...	172	C10H20O2	006297-41-2	38
2	Methanamine, 1,1-bis(2,2-dimethy...	231	C13H29NO2	004909-78-8	37
3	Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	35
4	Heptanoic acid, 7-bromo-, methyl...	222	C8H15BrO2	054049-24-0	25
5	Pentanoic acid, 2-methyl-	116	C6H12O2	000097-61-0	25





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Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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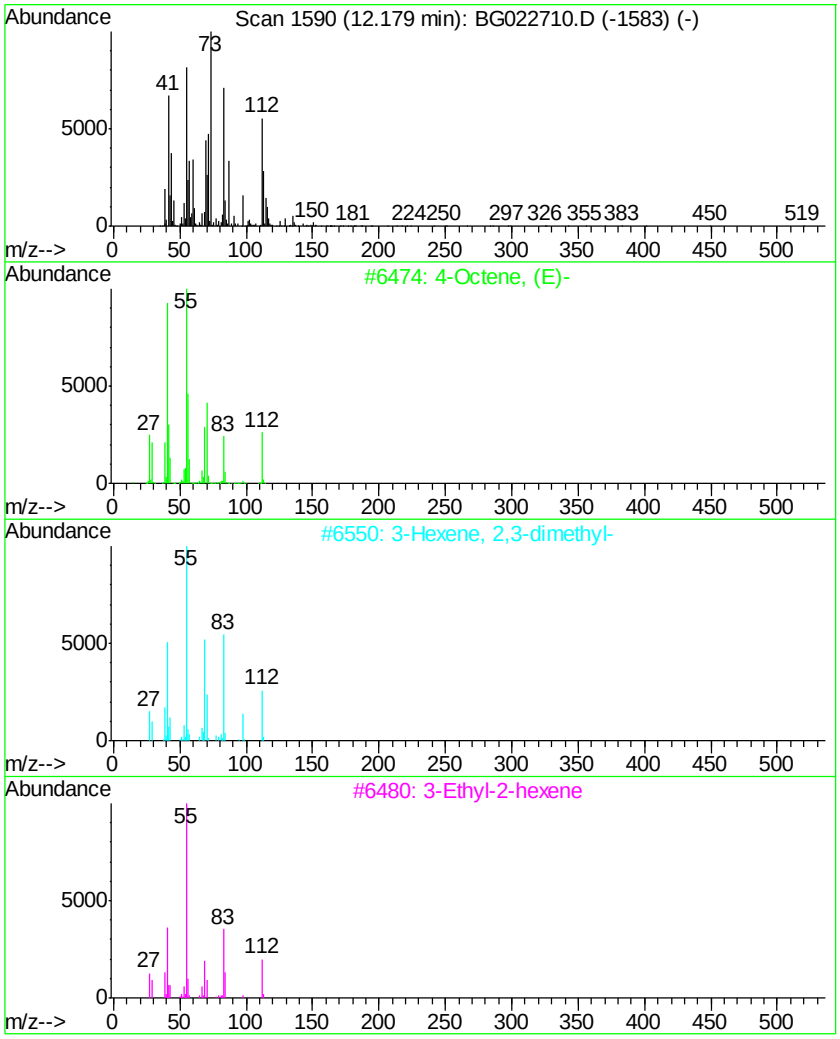
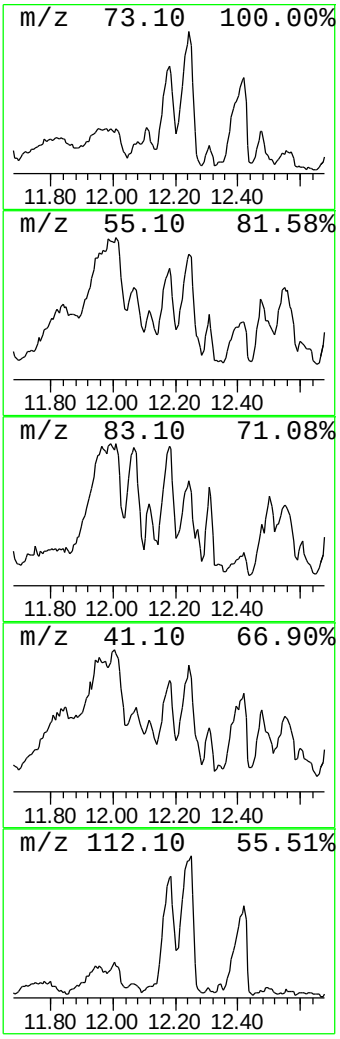
Peak Number 13 unknown12.18 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	23.71 ng	4330430	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, (E)-	112	C8H16	014850-23-8	35
2	3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	27
3	3-Ethyl-2-hexene	112	C8H16	000620-00-8	25
4	Cyclopentanethiol, 2-methyl-, cis-	116	C6H12S	001638-94-4	22
5	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	22





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Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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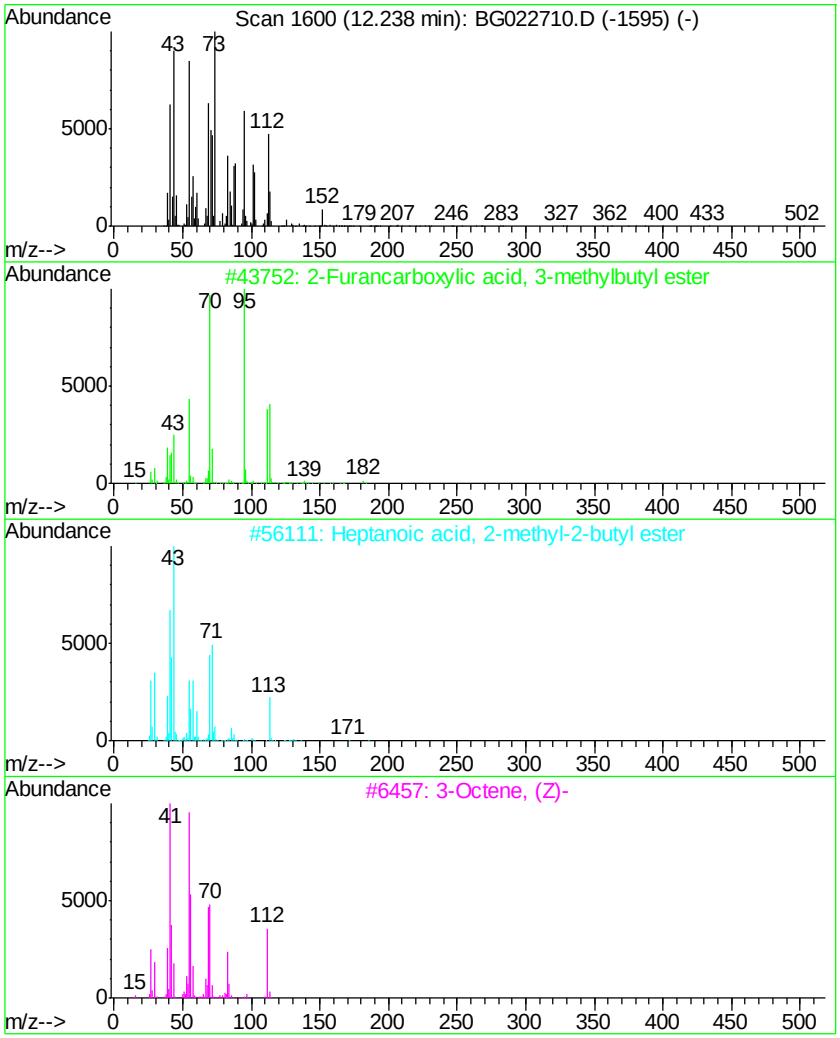
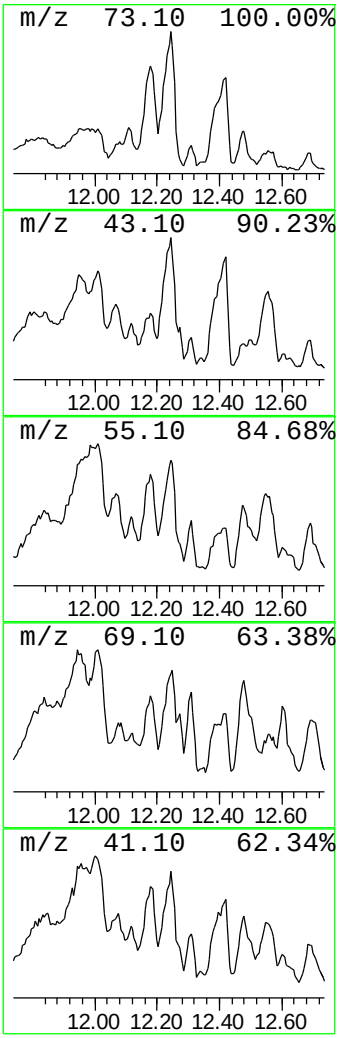
Peak Number 14 unknown12.24 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	46.11 ng	8422170	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Furancarboxylic acid, 3-methyl...	182	C10H14O3	000615-12-3	35
2	Heptanoic acid, 2-methyl-2-butyl...	200	C12H24O2	1000160-11-4	22
3	3-Octene, (Z)-	112	C8H16	014850-22-7	20
4	2-Octene, (E)-	112	C8H16	013389-42-9	18
5	4-Octene, (Z)-	112	C8H16	007642-15-1	18





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Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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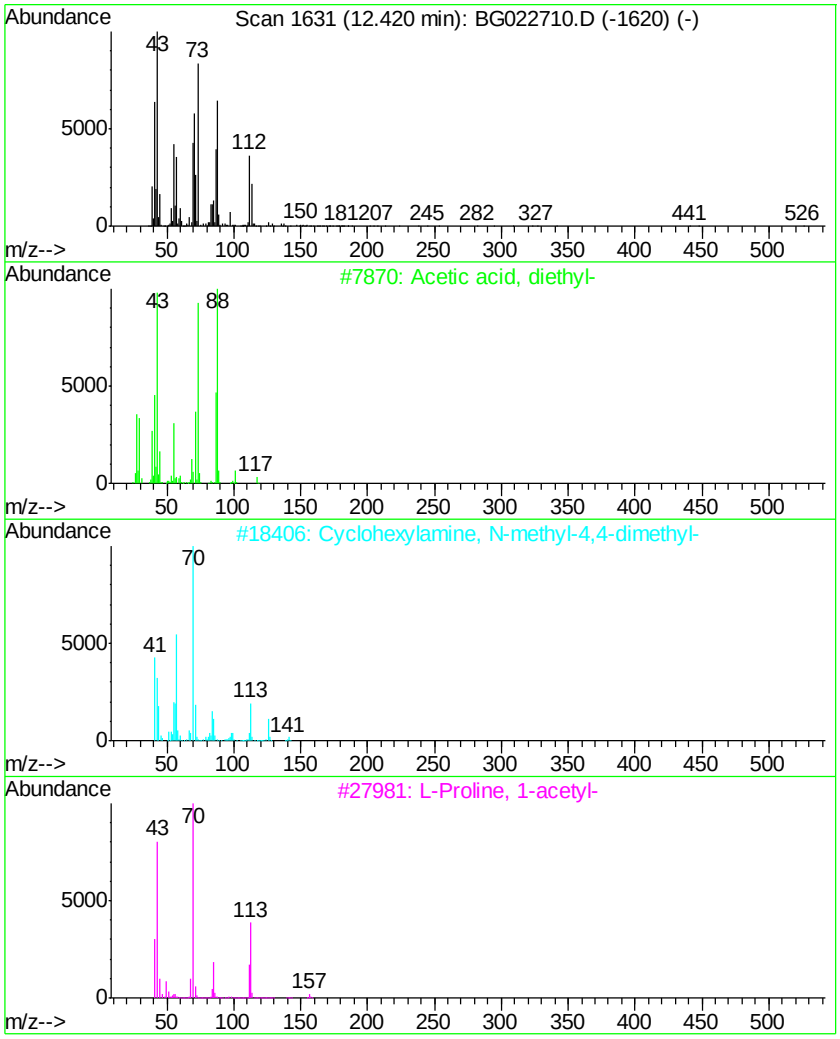
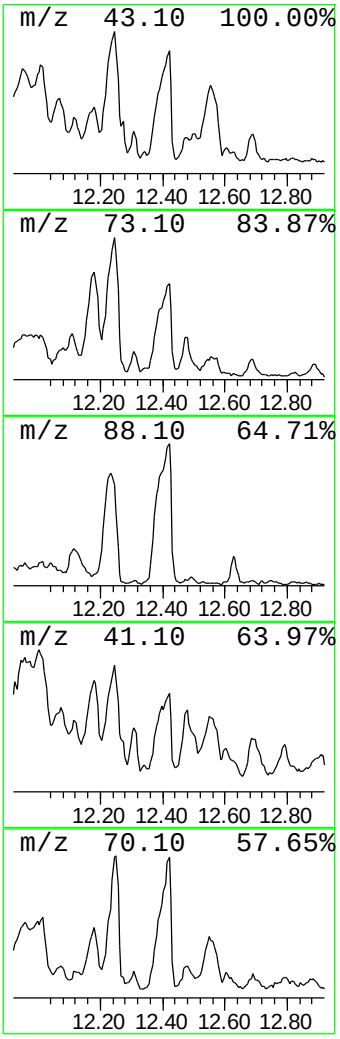
Peak Number 15 unknown12.42 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	33.90 ng	6191940	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	38
2	Cyclohexylamine, N-methyl-4,4-di...	141	C9H19N	045815-91-6	27
3	L-Proline, 1-acetyl-	157	C7H11NO3	000068-95-1	22
4	Pyrrolidine, 1-acetyl-	113	C6H11NO	004030-18-6	18
5	2-Hexene, 3,5-dimethyl-	112	C8H16	003404-79-3	15





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Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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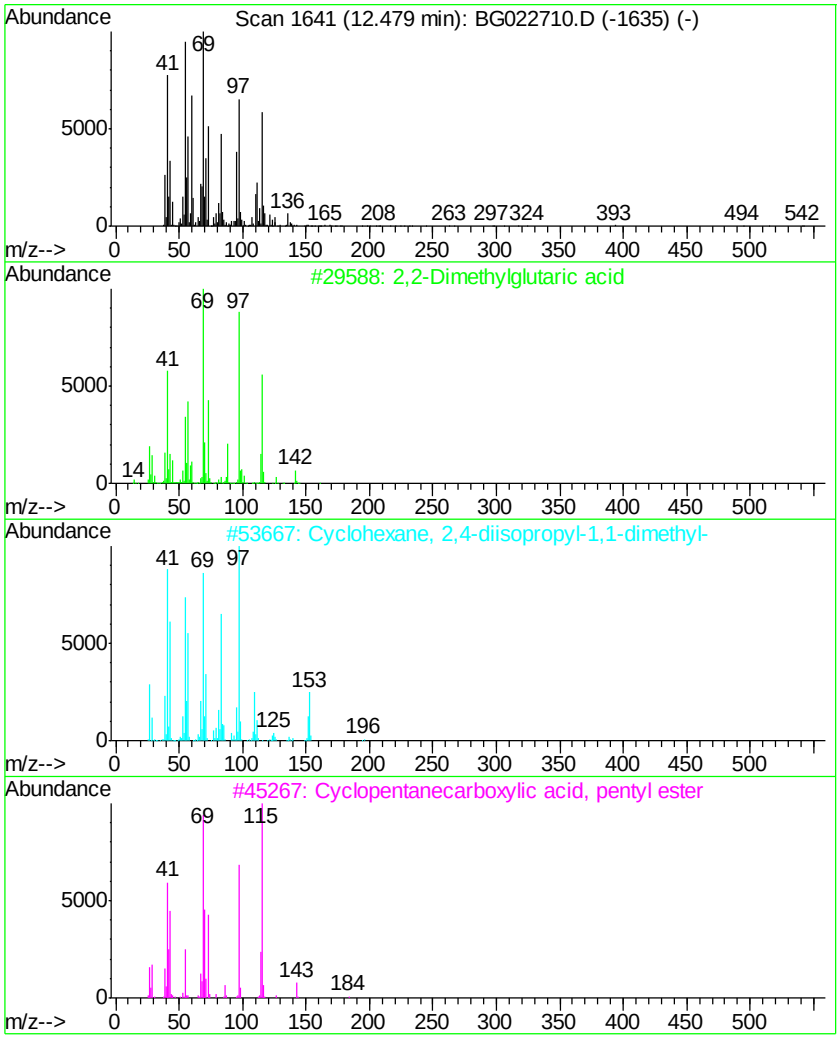
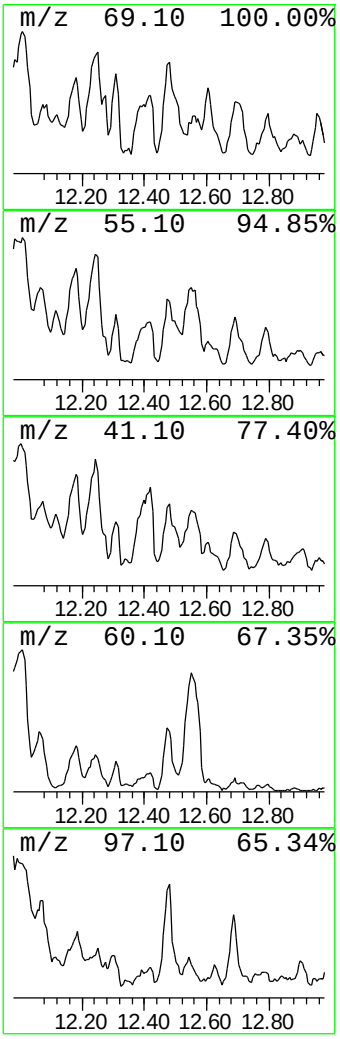
Peak Number 16 unknown12.48 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	24.14 ng	4409000	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylglutaric acid	160	C7H12O4	000681-57-2	43
2	Cyclohexane, 2,4-diisopropyl-1,1...	196	C14H28	1000149-60-5	38
3	Cyclopentanecarboxylic acid, pen...	184	C11H20O2	1000280-45-7	32
4	Cyclopentanecarboxylic acid, oct...	226	C14H26O2	100912-19-4	32
5	Cyclopentanecarboxylic acid, 3-t...	310	C20H38O2	1000280-58-8	27





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Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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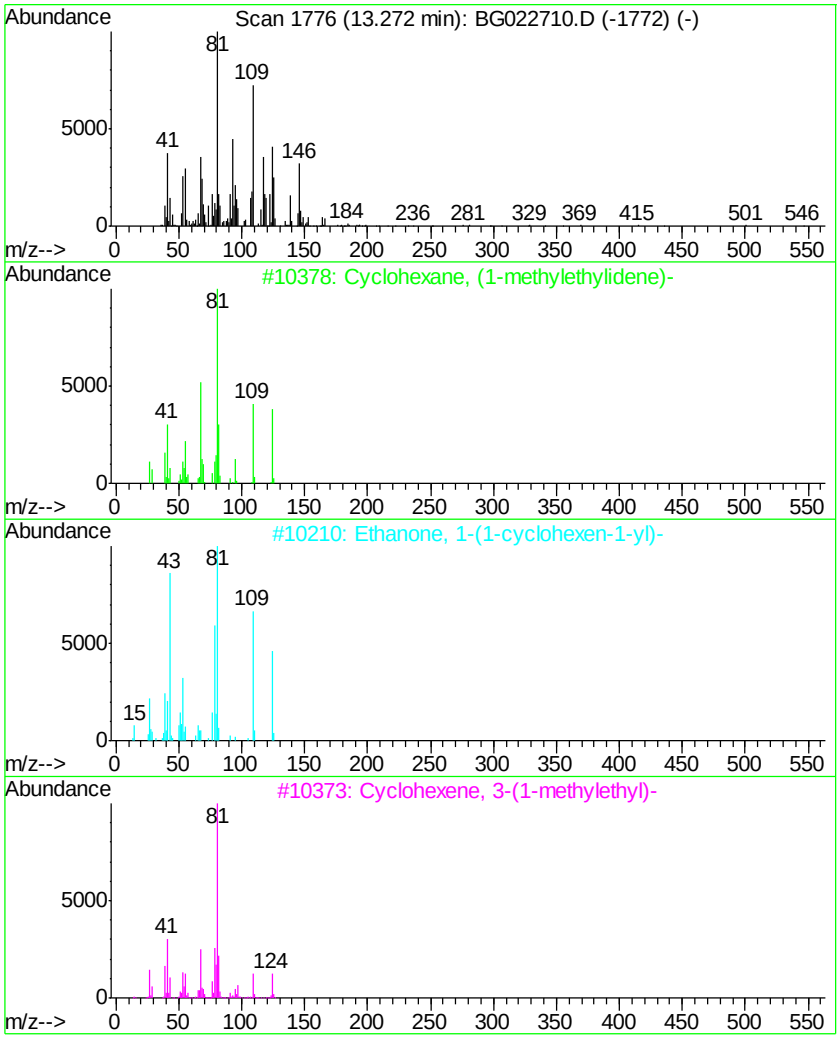
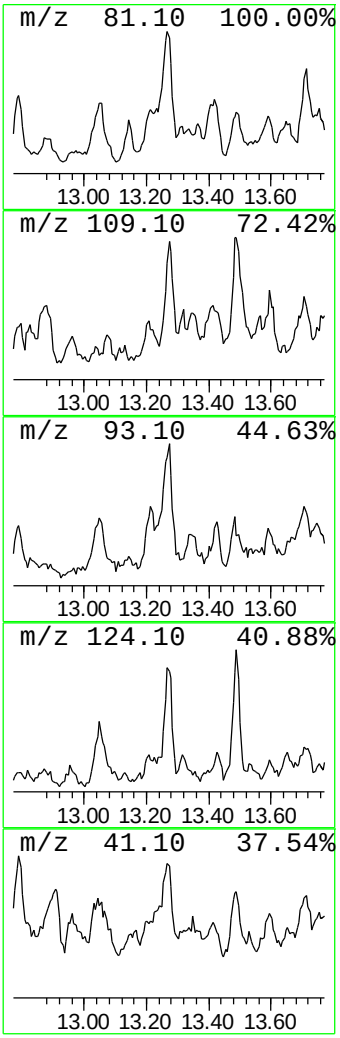
Peak Number 17 unknown13.27 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	23.18 ng	2818620	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethylidene)-	124	C9H16	005749-72-4	49
2	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	47
3	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	43
4	Cyclohexanol, 4-(1-methylethyl)-	142	C9H18O	004621-04-9	43
5	Cyclohexanol, 4-sec-butyl-	156	C10H20O	006292-20-2	35





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Sample : H3828-06
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Instrument : BNA_G
ClientSampleId : S8-0584

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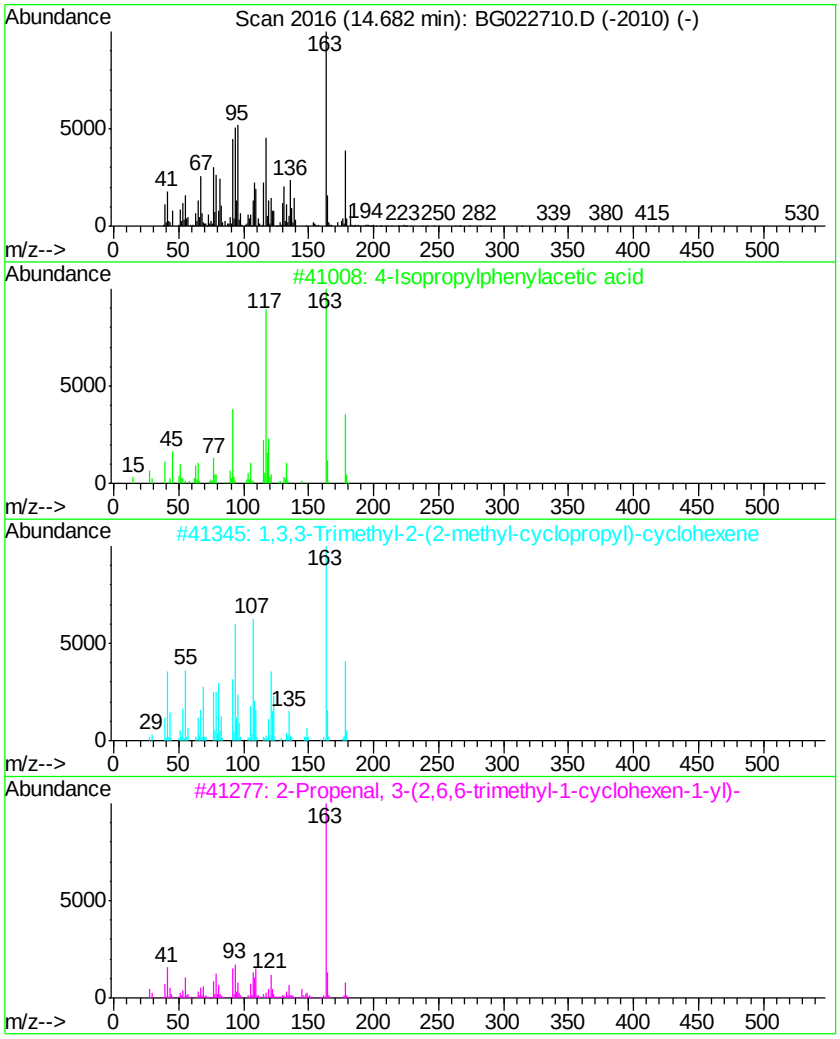
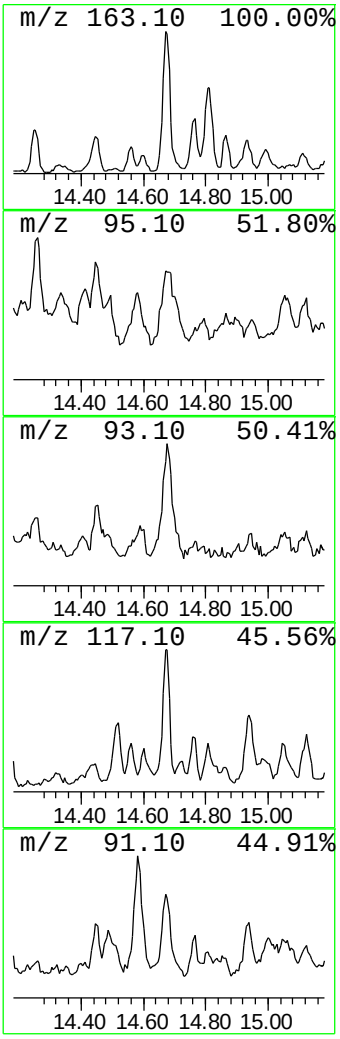
Peak Number 18 4-Isopropylphenylacetic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	29.79 ng	3622300	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropylphenylacetic acid	178	C11H14O2	004476-28-2	60
2	1,3,3-Trimethyl-2-(2-methyl-cycl...	178	C13H22	285129-06-8	52
3	2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	47
4	4H-1,2,4-Triazole, 3-(3,5-dimeth...	163	C7H9N5	003310-78-9	43
5	6-tert-Butyl-2,4-dimethylphenol	178	C12H18O	001879-09-0	43





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ClientSampleId : S8-0584

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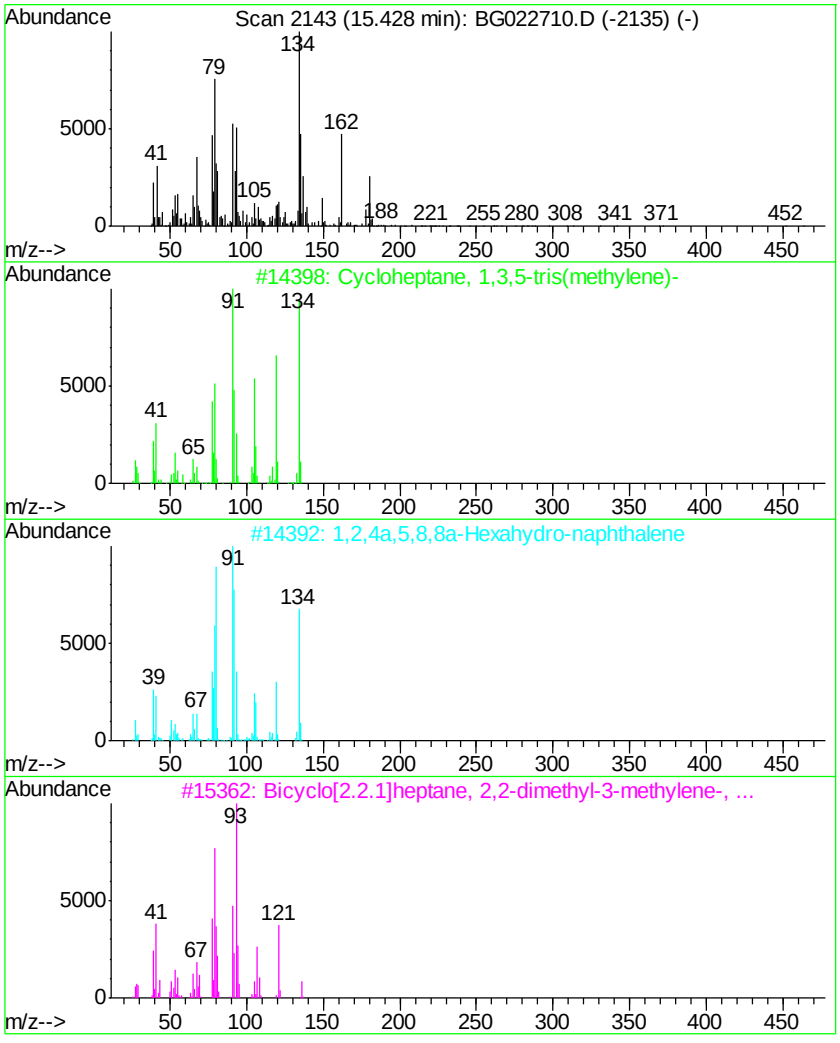
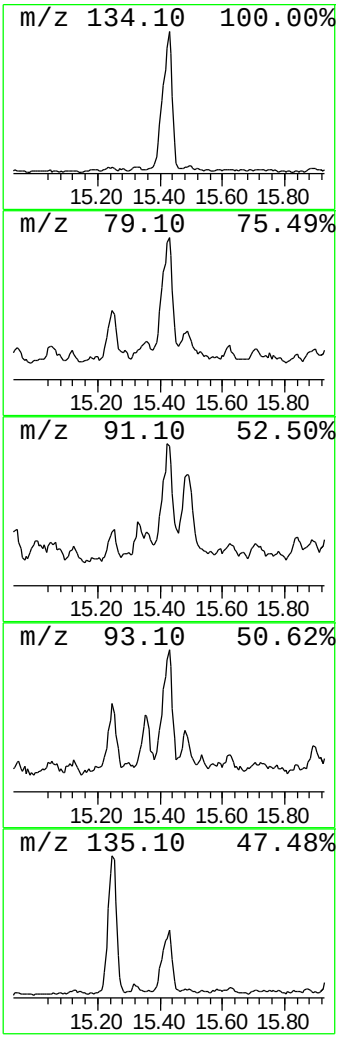
Peak Number 19 Cycloheptane, 1,3,5-tris(me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	57.13 ng	6946510	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, 1,3,5-tris(methyle...	134	C10H14	068284-24-2	53
2	1,2,4a,5,8,8a-Hexahydro-naphthalene	134	C10H14	1000190-92-1	49
3	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-03-6	41
4	Bicyclopentyl-1,1'-diene	134	C10H14	000934-02-1	38
5	1-Nonen-3-yne	122	C9H14	057223-18-4	38





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Instrument : BNA_G
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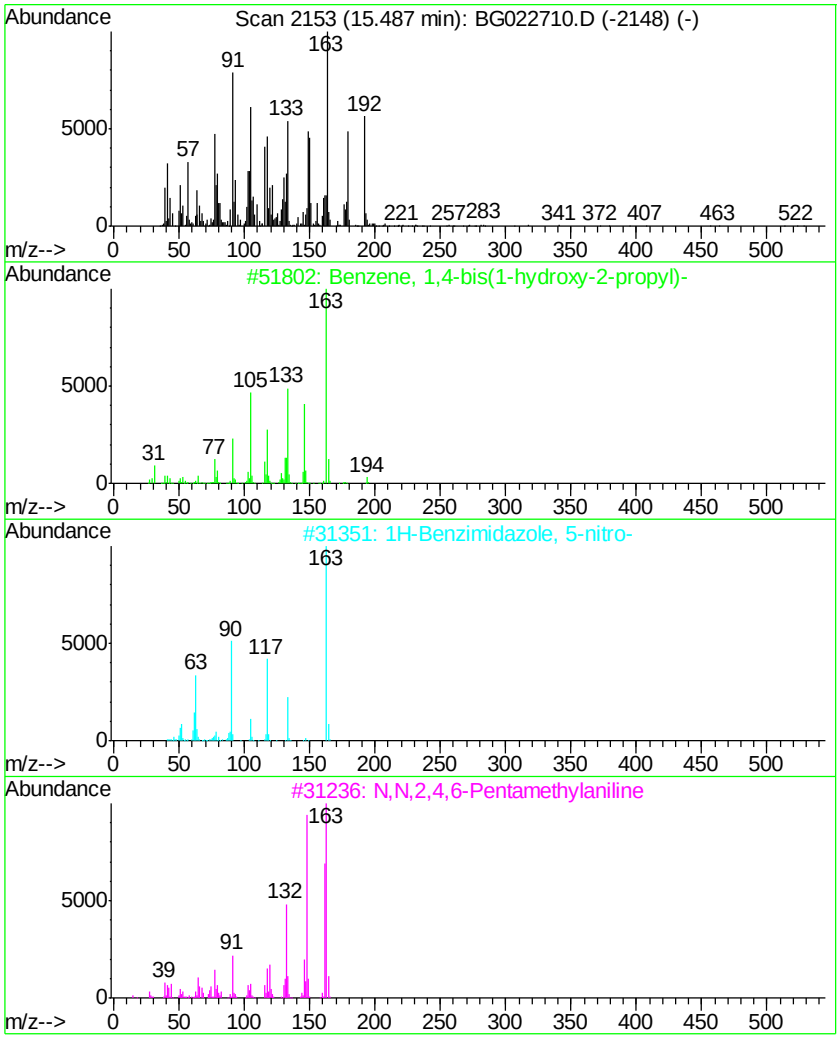
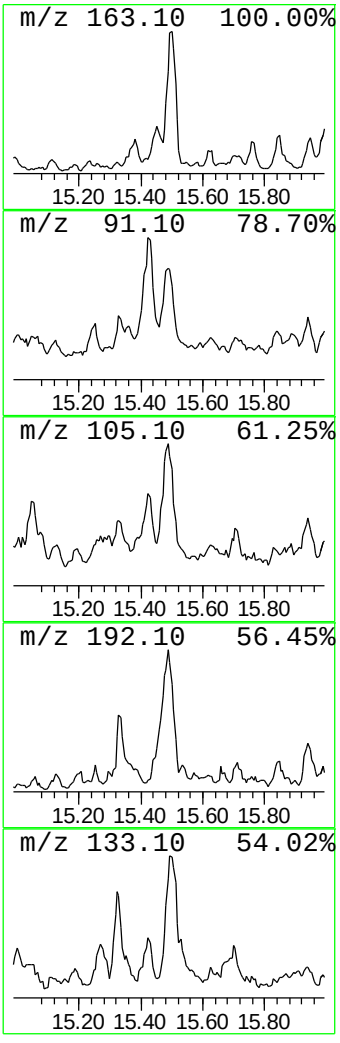
Peak Number 20 unknown15.49 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	36.47 ng	4434600	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-bis(1-hydroxy-2-pro...	194	C12H18O2	1000161-06-4	30
2	1H-Benzimidazole, 5-nitro-	163	C7H5N3O2	000094-52-0	22
3	N,N,2,4,6-Pentamethylaniline	163	C11H17N	013021-15-3	22
4	4-Amino-2-nitrobenzonitrile	163	C7H5N3O2	072115-07-2	14
5	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062916\
Data File : BG022710.D
Acq On : 30 Jun 2016 1:59
Operator : UM/SJ
Sample : H3828-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0584

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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
unknown9.11	9.11	248.2	ng	13446200	1	8.16	1083430	20.0
unknown9.46	9.46	45.2	ng	2447930	1	8.16	1083430	20.0
unknown9.66	9.66	60.8	ng	11096000	2	10.99	3653250	20.0
unknown9.78	9.78	32.3	ng	5908180	2	10.99	3653250	20.0
unknown10.00	10.00	75.4	ng	13779100	2	10.99	3653250	20.0
unknown11.22	11.22	22.7	ng	4150290	2	10.99	3653250	20.0
unknown11.35	11.35	23.1	ng	4210510	2	10.99	3653250	20.0
unknown11.57	11.57	23.1	ng	4217990	2	10.99	3653250	20.0
unknown11.84	11.84	63.8	ng	11653900	2	10.99	3653250	20.0
unknown12.18	12.18	23.7	ng	4330430	2	10.99	3653250	20.0
unknown12.24	12.24	46.1	ng	8422170	2	10.99	3653250	20.0
unknown12.42	12.42	33.9	ng	6191940	2	10.99	3653250	20.0
unknown12.48	12.48	24.1	ng	4409000	2	10.99	3653250	20.0
unknown13.27	13.27	23.2	ng	2818620	3	14.81	2431950	20.0
4-Isopropylphenyl...	14.68	29.8	ng	3622300	3	14.81	2431950	20.0
Cycloheptane, 1,3...	15.43	57.1	ng	6946510	3	14.81	2431950	20.0
unknown15.49	15.49	36.5	ng	4434600	3	14.81	2431950	20.0