LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

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-BG122116.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	5.270	409	414	425	rBV2	135854	232860	4.50%	0.706%
2	5.752	489	496	514	rVB	468056	824099	15.94%	2.498%
3	7.374	764	772	784	rBV2	290766	560777	10.84%	1.700%
4	7.744	826	835	848	rBV	886870	1610160	31.14%	4.881%
5	8.214	907	915	921	rBV	200547	364127	7.04%	1.104%
6	8.537	957	970	976	rBV	764670	1476970	28.56%	4.478%
7	8.578	976	977	984	rVB	79902	100849	1.95%	0.306%
8	8.684	987	995	1002	rBV2	106828	179511	3.47%	0.544%
9	8.843	1017	1022	1026	rBV4	33064	61723	1.19%	0.187%
10	8.890	1026	1030	1038	rVB3	66348	123230	2.38%	0.374%
11	9.307	1093	1101	1108	rVB2	275396	502460	9.72%	1.523%
12	9.395	1108	1116	1126	rBV	893341	1668962	32.27%	5.060%
13	9.536	1136	1140	1147	rVB8	26921	55053	1.06%	0.167%
14	9.659	1156	1161	1169	rVB3	34784	55457	1.07%	0.168%
15	9.836	1185	1191	1197	rVB2	204085	367165	7.10%	1.113%
16	10.088	1229	1234	1240	rBV4	34154	61035	1.18%	0.185%
17	10.212	1248	1255	1261	rBV6	74193	175180	3.39%	0.531%
18	10.270	1261	1265	1274	rVB4	52307	120460	2.33%	0.365%
19	10.423	1281	1291	1296	rBV2	270007	517473	10.01%	1.569%
20	10.594	1311	1320	1324	rBV4	45018	90961	1.76%	0.276%
21	10.711	1331	1340	1347	rBV2	45537	91590	1.77%	0.278%
22	10.870	1357	1367	1372	rBV2	27363	71423	1.38%	0.217%
23	11.005	1383	1390	1392	rBV3	55086	96797	1.87%	0.293%
24	11.040	1392	1396	1407	rVB2	303727	635700	12.29%	1.927%
25	11.134	1407	1412	1419	rVB3	80544	141469	2.74%	0.429%
26	11.228	1419	1428	1433	rVB6	34666	74394	1.44%	0.226%
27	11.322	1436	1444	1449	rVB6	22820	51860	1.00%	0.157%
28	11.387	1451	1455	1461	rBV6	33523	65778	1.27%	0.199%
29	11.498	1469	1474	1481	rVB2	75558	132026	2.55%	0.400%
30	11.610	1486	1493	1496	rBV3	62142	106513	2.06%	0.323%
31	11.680	1502	1505	1512	rVB4	30700	52624	1.02%	0.160%
32	11.933	1540	1548	1555	rBV4	63975	116066	2.24%	0.352%
33	12.127	1575	1581	1585	rVV2	49040	84250	1.63%	0.255%
34	12.209	1589	1595	1601	rBV4	87637	154500	2.99%	0.468%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

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-BG122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.333	1608	1616	1623	rVB8	47042	112647	2.18%	0.342%
36	12.562	1650	1655	1662	rVB	102303	176705	3.42%	0.536%
37	12.685	1672	1676	1682	rVV6	57049	113640	2.20%	0.345%
38	12.756	1683	1688	1695	rVB8	60359	135376	2.62%	0.410%
39	12.832	1698	1701	1705	rBV6	31839	60504	1.17%	0.183%
40	12.914	1711	1715	1720	rBV8	65094	120268	2.33%	0.365%
41	13.096	1739	1746	1749	rBV8	51289	119744	2.32%	0.363%
42	13.167	1750	1758	1763	rVV8	90427	223669	4.33%	0.678%
43	13.226	1764	1768	1775	rVB6	60665	112348	2.17%	0.341%
44	13.461	1801	1808	1813	rBV	1869575	2885956	55.80%	8.749%
45	13.619	1830	1835	1838	rBV7	35479	68704	1.33%	0.208%
46	13.772	1857	1861	1864	rVB6	49907	66206	1.28%	0.201%
47	13.995	1893	1899	1902	rBV5	135862	274642	5.31%	0.833%
48	14.160	1918	1927	1935	rBV3	173348	440019	8.51%	1.334%
49	14.230	1936	1939	1944	rVV6	48273	77733	1.50%	0.236%
50	14.277	1944	1947	1953	rVB2	56878	83543	1.62%	0.253%
51	14.395	1963	1967	1970	rBV3	89469	147569	2.85%	0.447%
52	14.424	1970	1972	1976	rVB5	57941	74805	1.45%	0.227%
53	14.559	1990	1995	1999	rBV2	42167	65935	1.27%	0.200%
54	14.659	2008	2012	2020	rVB10	68985	138213	2.67%	0.419%
55	14.777	2024	2032	2035	rBV8	42885	96930	1.87%	0.294%
56	14.836	2037	2042	2048	rBV	436443	716677	13.86%	2.173%
57	14.977	2061	2066	2070	rBV8	61196	100459	1.94%	0.305%
58	15.147	2090	2095	2099	rBV4	124056	193420	3.74%	0.586%
59	15.212	2103	2106	2114	rVB5	94501	204435	3.95%	0.620%
60	15.300	2115	2121	2126	rBV6	116843	235738	4.56%	0.715%
61	15.400	2131	2138	2144	rBV3	228491	422891	8.18%	1.282%
62	15.717	2184	2192	2197	rBV7	138380	315992	6.11%	0.958%
63	15.881	2217	2220	2225	rVB5	92089	139299	2.69%	0.422%
64	15.940	2225	2230	2234	rBV7	72263	115595	2.24%	0.350%
65	16.087	2251	2255	2258	rBV5	68126	118768	2.30%	0.360%
66	16.169	2266	2269	2273	rBV5	61216	98975	1.91%	0.300%
67	16.328	2289	2296	2305	rBV	2013160	3460058	66.91%	10.490%
68	16.492	2321	2324	2329	rVB7	49017	84155	1.63%	0.255%
69	16.569	2329	2337	2340	rBV7	101922	193880	3.75%	0.588%
70	16.651	2345	2351	2355	rBV6	69879	140439	2.72%	0.426%
71	16.751	2365	2368	2373	rBV6	34203	56065	1.08%	0.170%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

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-BG122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.868	2383	2388	2392	rBV3	103209	150265	2.91%	0.456%
73	16.957	2398	2403	2405	rBV6	46843	72965	1.41%	0.221%
74	17.274	2455	2457	2464	rVB8	47949	57751	1.12%	0.175%
75	17.585	2504	2510	2518	rVB	661965	1008383	19.50%	3.057%
76	18.425	2649	2653	2658	rVB6	85486	108684	2.10%	0.329%
77	18.643	2686	2690	2697	rBV2	126136	189088	3.66%	0.573%
78	20.165	2943	2949	2956	rVB	3925362	5171527	100.00%	15.678%
79	21.451	3164	3168	3172	rBV7	48068	72472	1.40%	0.220%
80	21.874	3234	3240	3247	rVB	885503	1465343	28.33%	4.442%
81	25.288	3810	3821	3832	rVB2	479005	1473676	28.50%	4.468%

Sum of corrected areas: 32985658

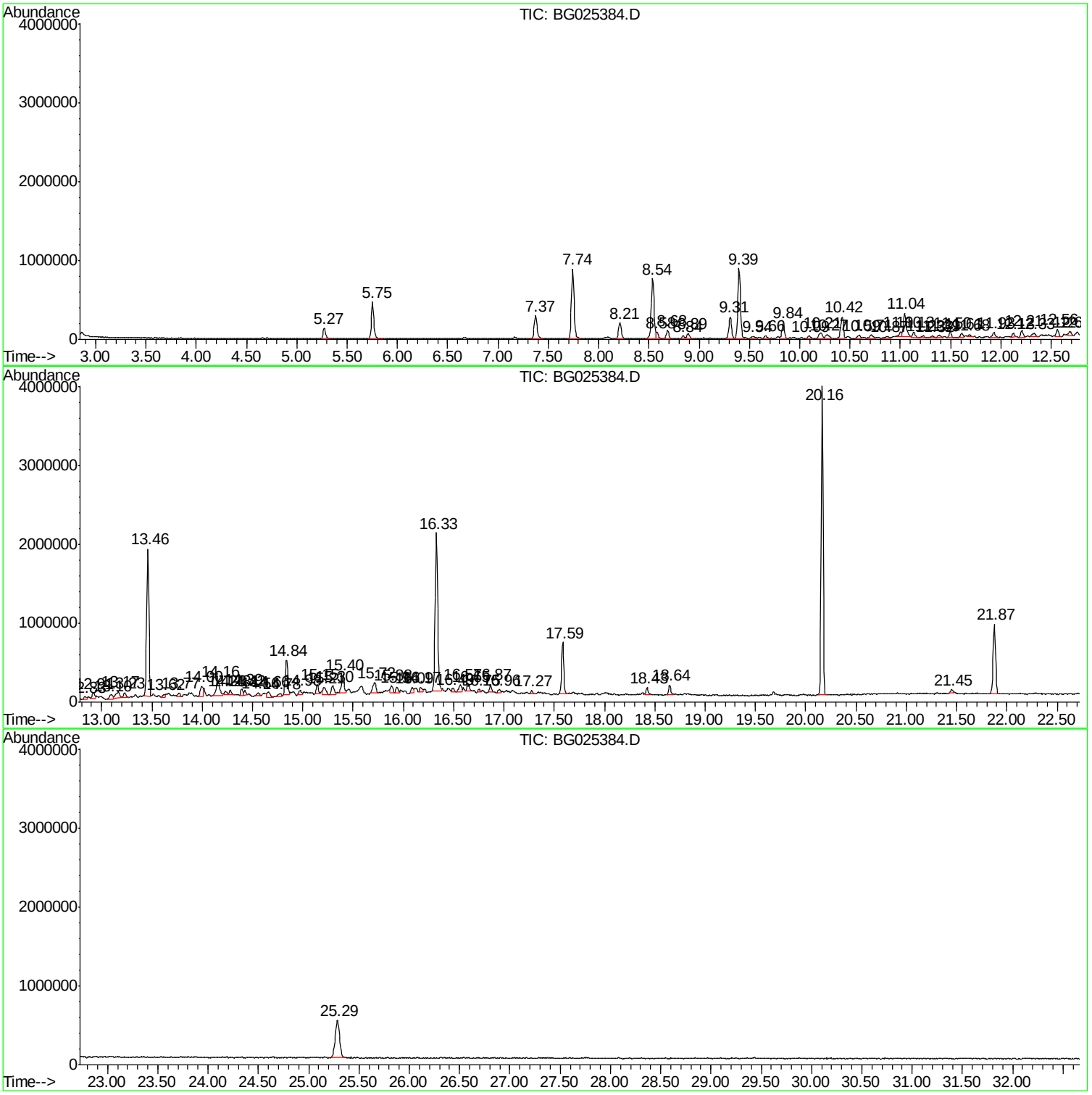
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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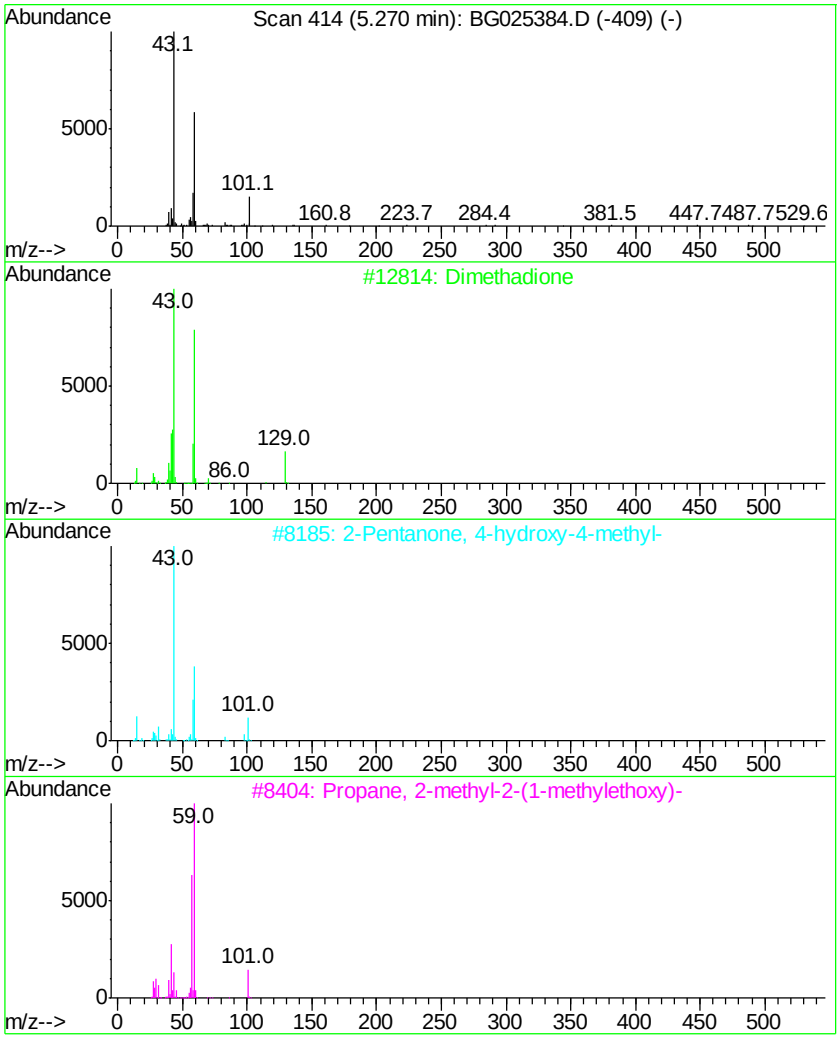
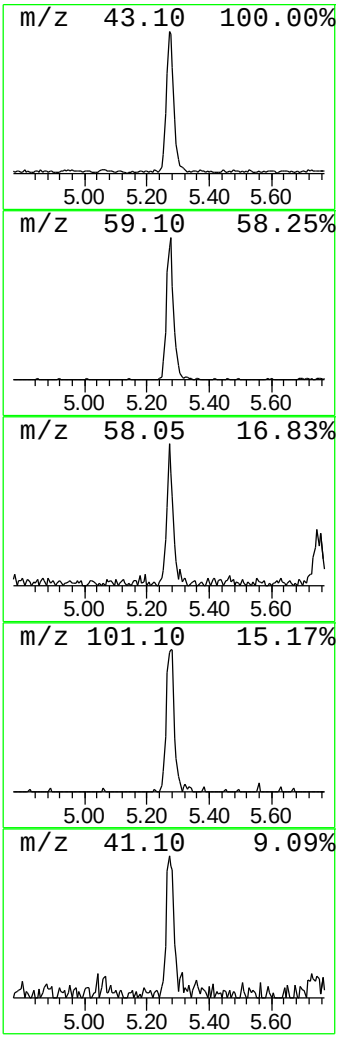
Peak Number 1 unknown5.27 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	12.79 ng	232860	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethadione	129	C5H7NO3	000695-53-4	42
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
4	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	25
5	3-Octanol	130	C8H18O	000589-98-0	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

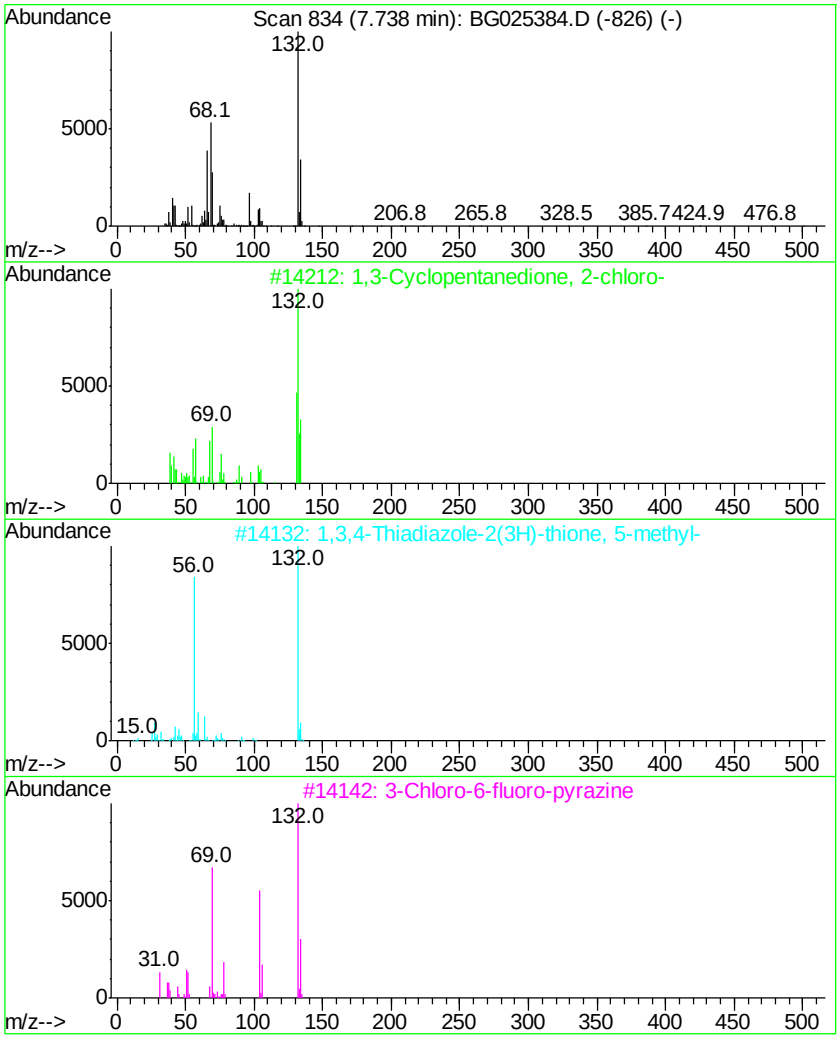
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

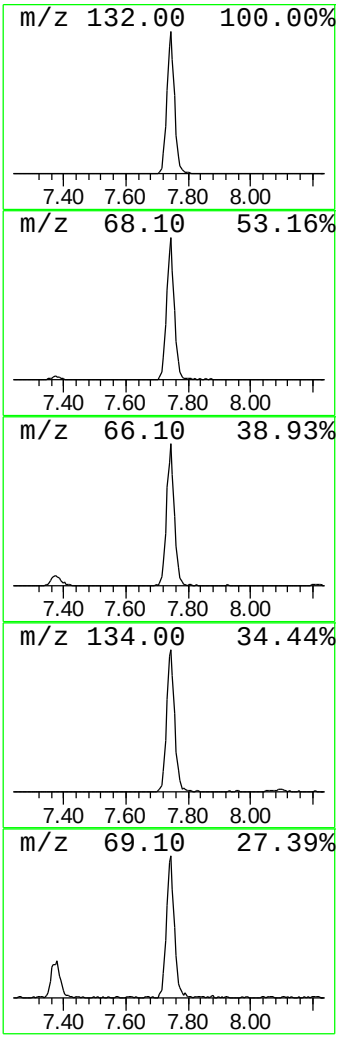
****

Peak Number 2 unknown7.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	88.44 ng	1610160	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
2	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

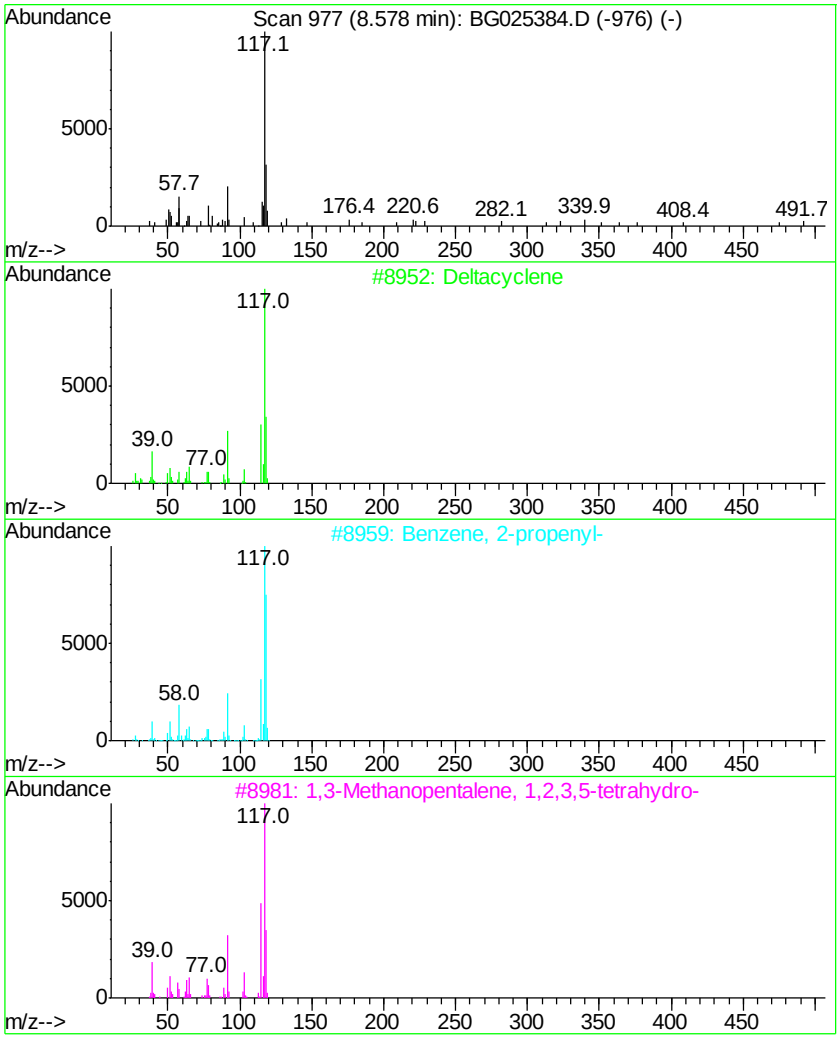
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

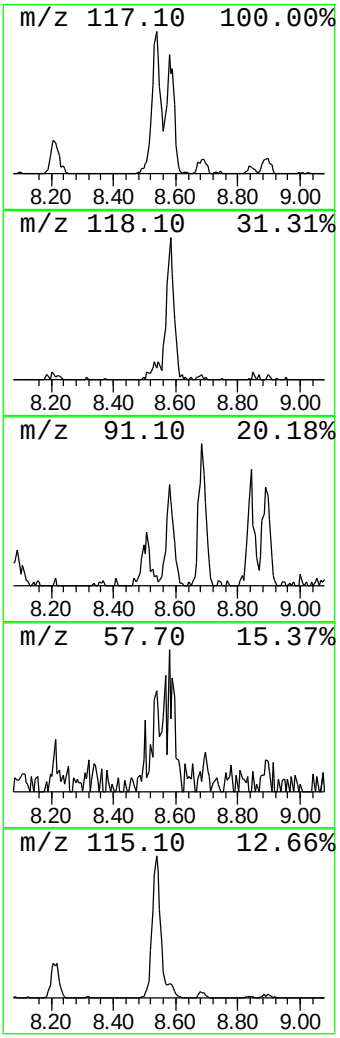
****

Peak Number 4 Deltacyclene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	5.54 ng	100849	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Deltacyclene	118	C9H10	007785-10-6	59
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	59
3	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	45
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	45
5	Indane	118	C9H10	000496-11-7	40





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

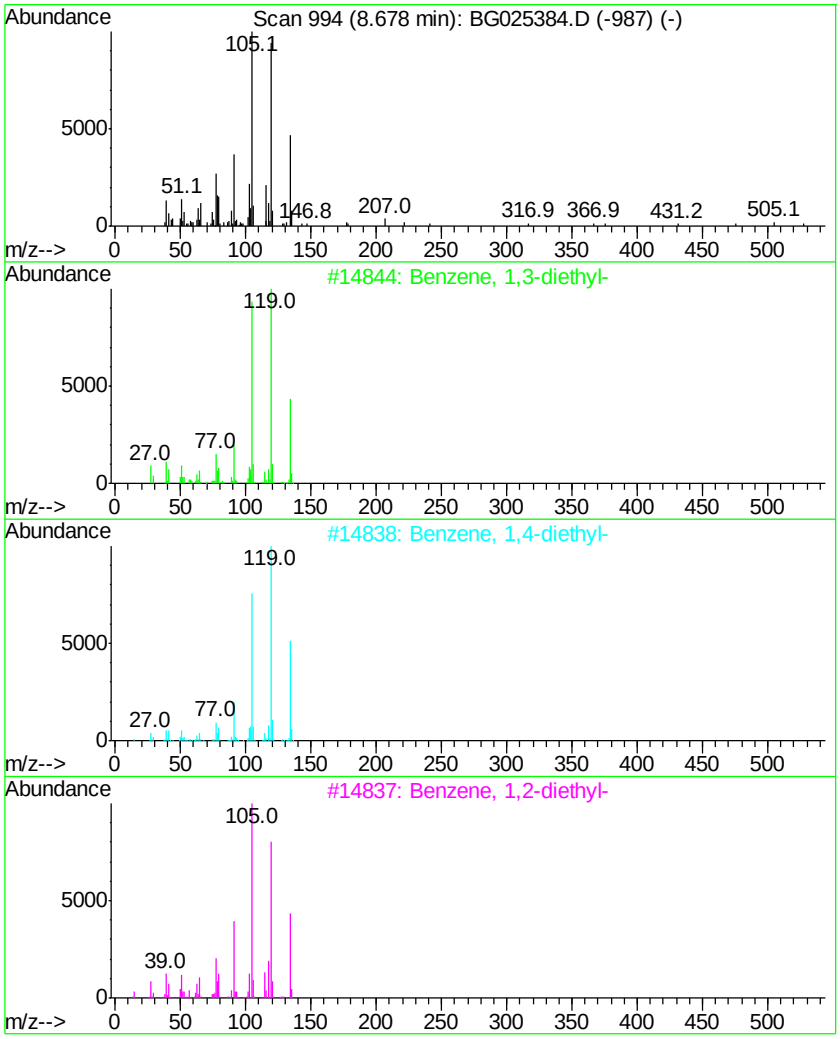
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

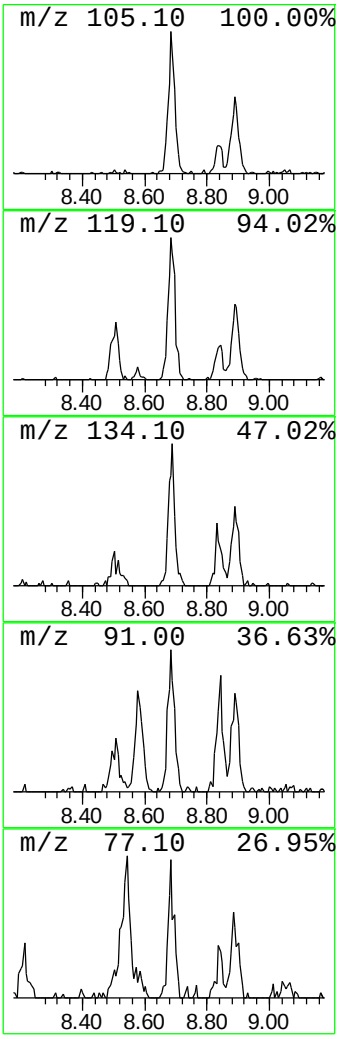
****

Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	9.86 ng	179511	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	81
4	o-Cymene	134	C10H14	000527-84-4	81
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

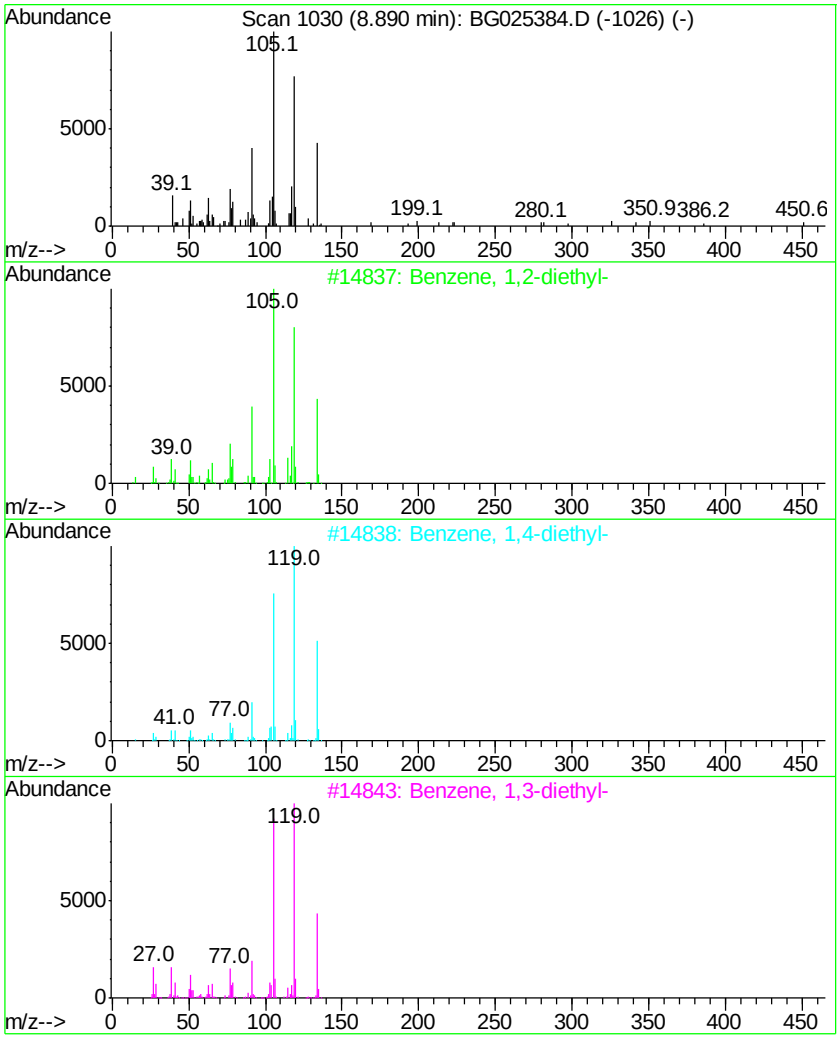
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

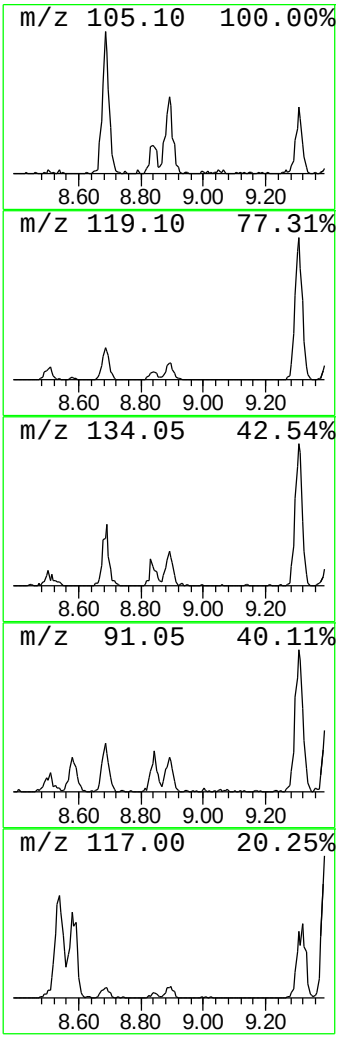
****

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	6.77 ng	123230	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	80
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	80
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	Ethanone, 1-(2-methylphenyl)-	134	C9H10O	000577-16-2	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

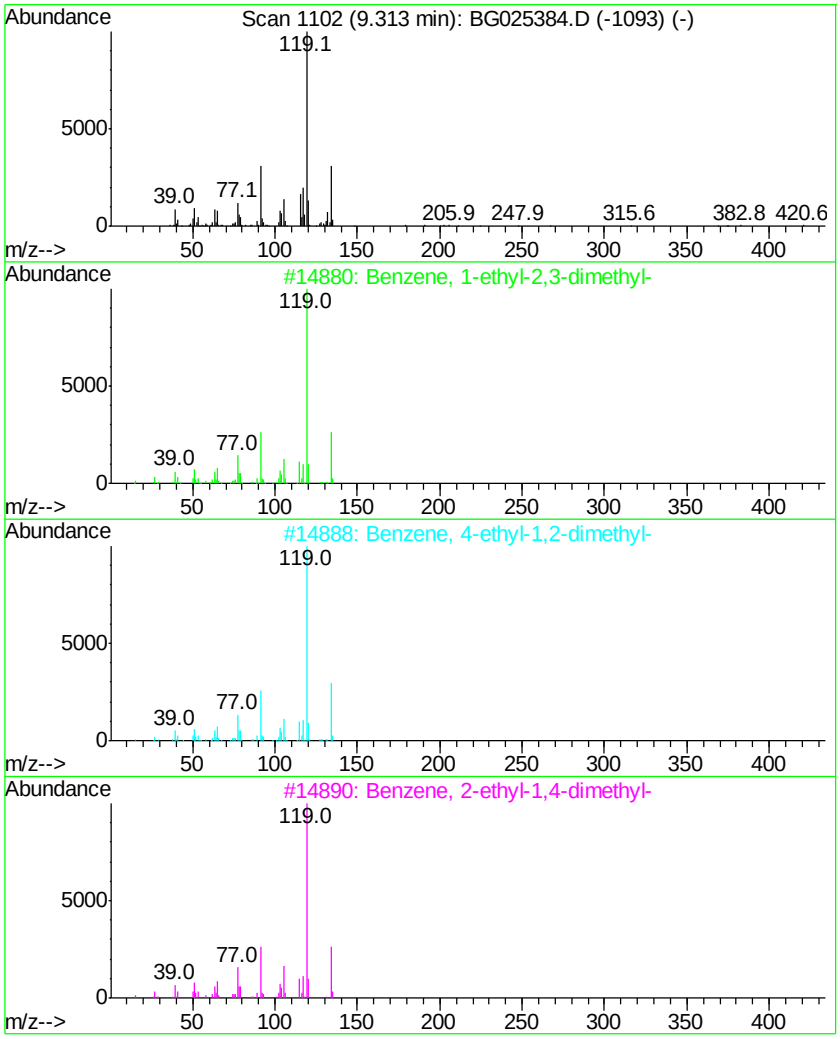
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

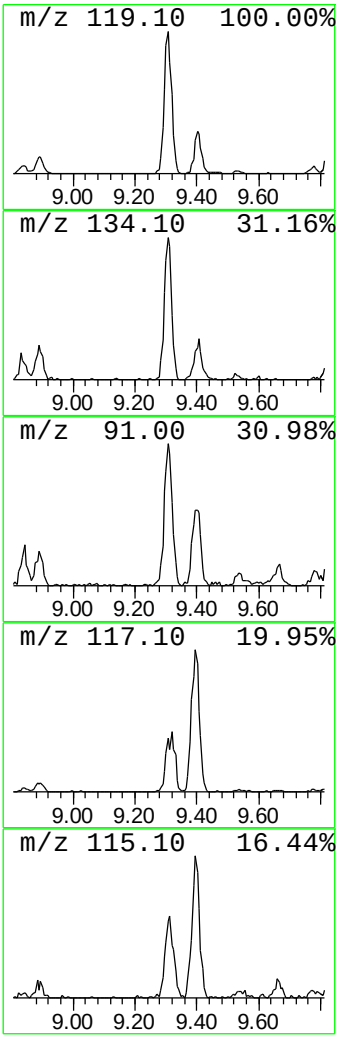
****

Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	27.60 ng	502460	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





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Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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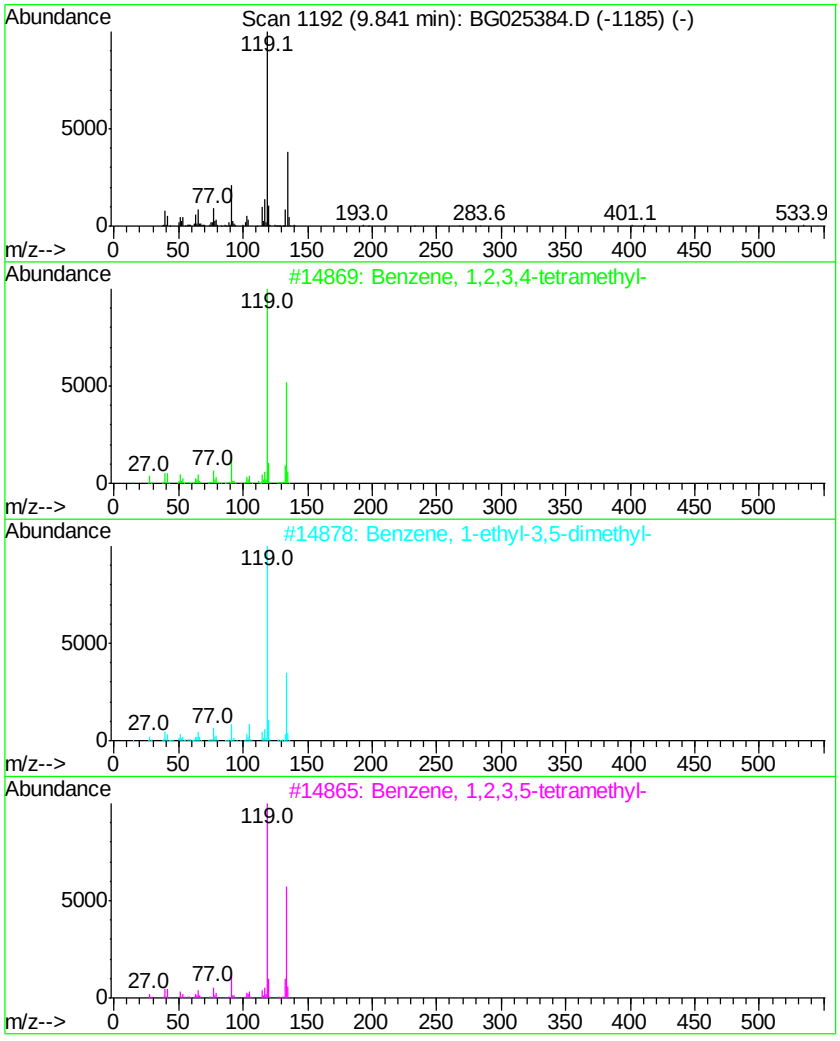
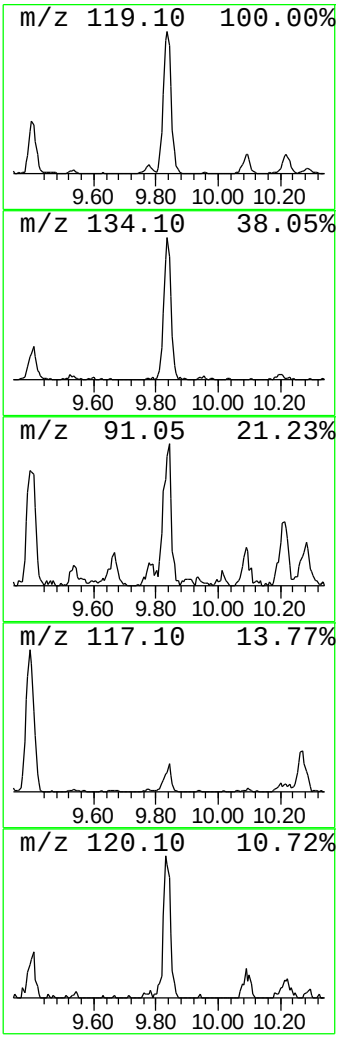
Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	11.55 ng	367165	Naphthalene-d8	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5	o-Cymene	134	C10H14	000527-84-4	87





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : MW-31

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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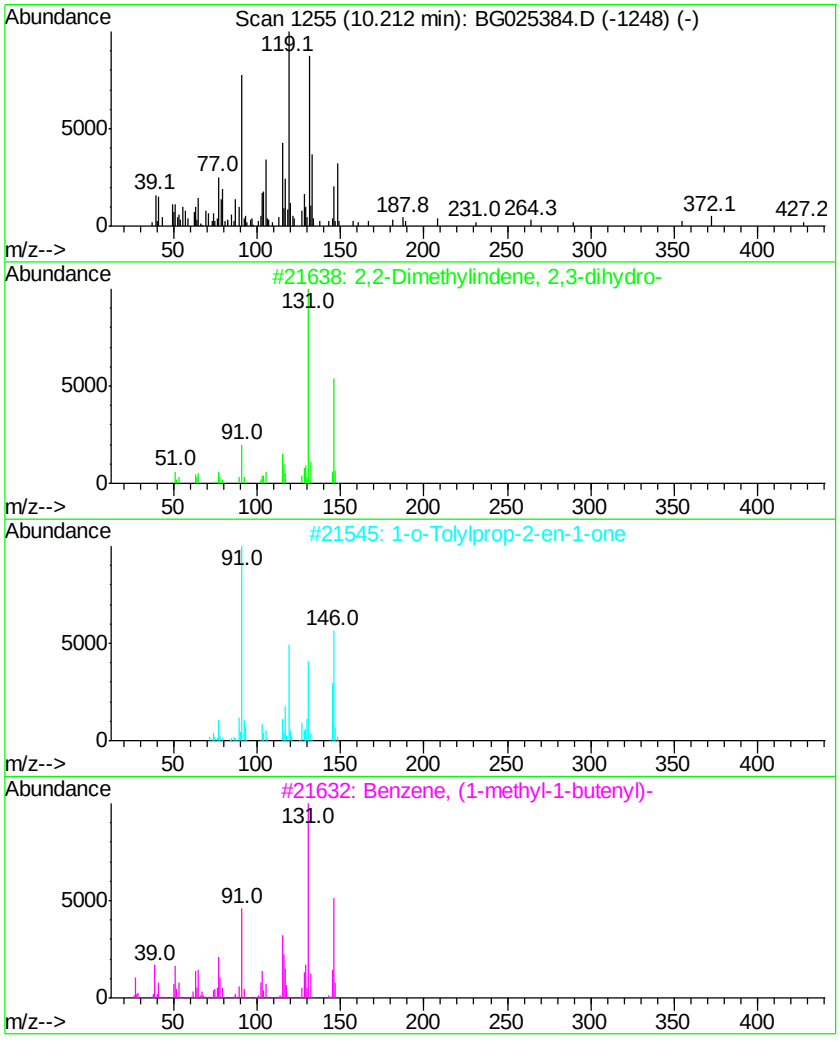
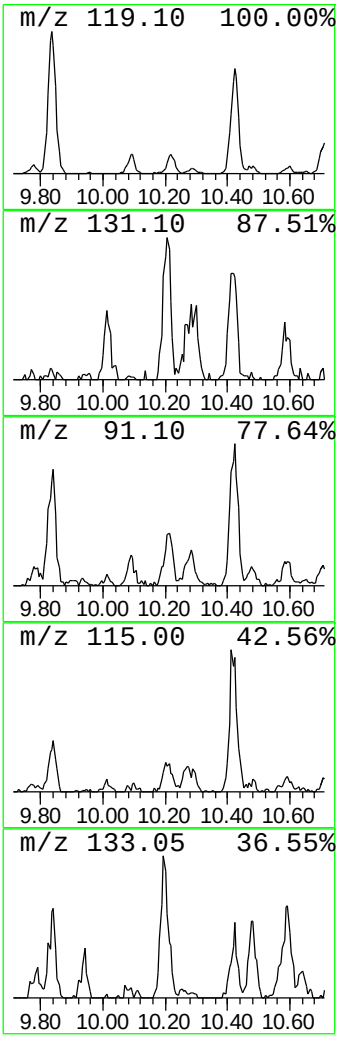
Peak Number 9 2,2-Dimethylindene, 2,3-dih... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	5.51 ng	175180	Naphthalene-d8	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2	1-o-Tolylprop-2-en-1-one	146	C10H10O	039627-60-6	60
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
4	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	50
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	43





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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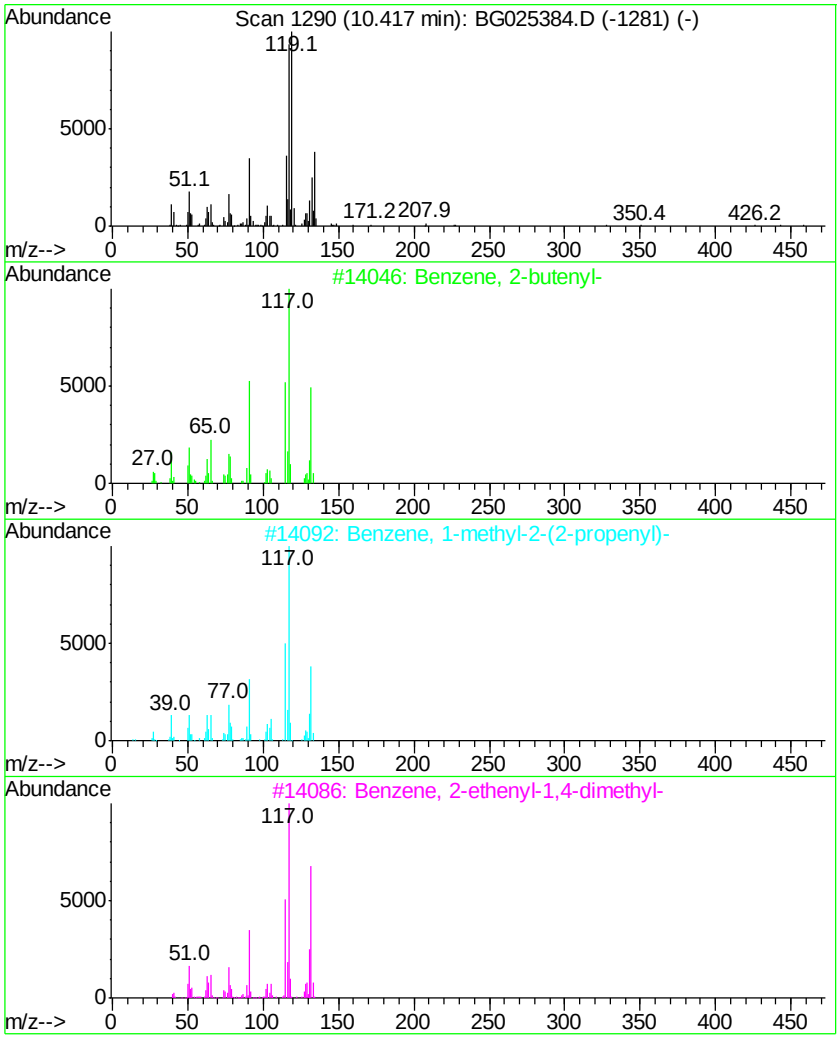
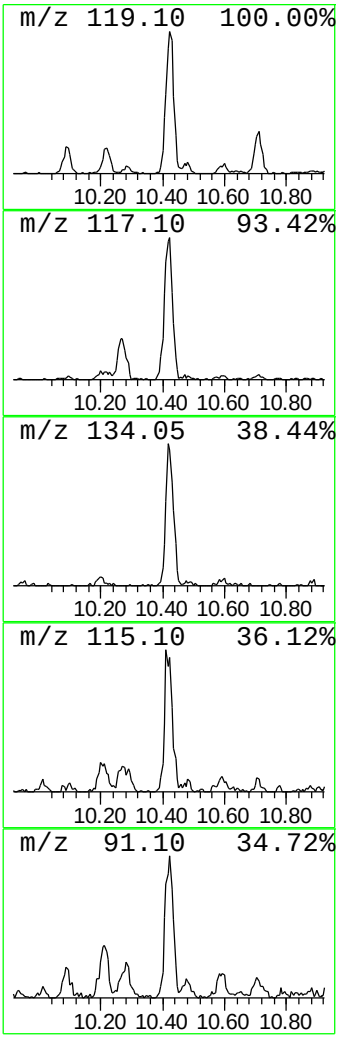
Peak Number 10 Benzene, 2-butenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	16.28 ng	517473	Naphthalene-d8	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	70





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Instrument : BNA_G
ClientSampleId : MW-31

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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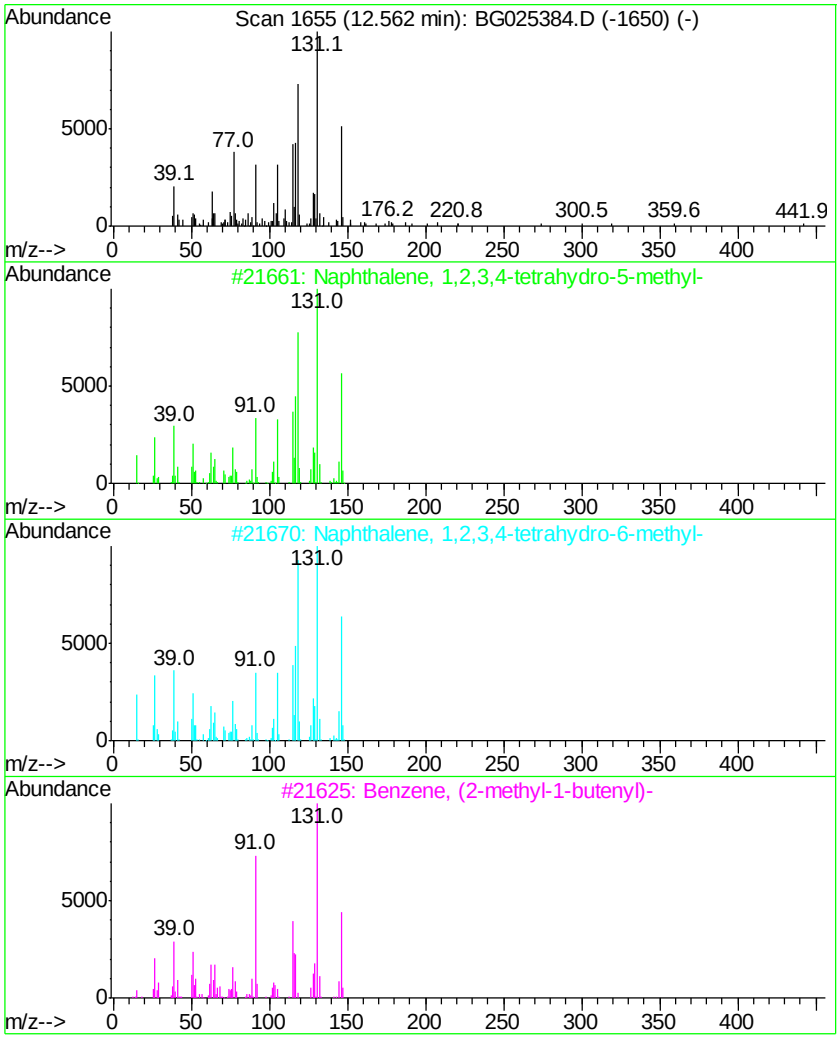
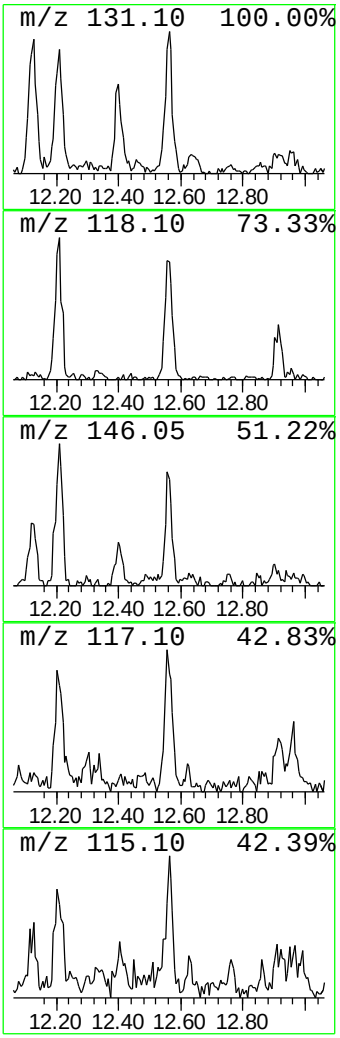
Peak Number 12 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	5.56 ng	176705	Naphthalene-d8	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	76
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	43
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	42





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Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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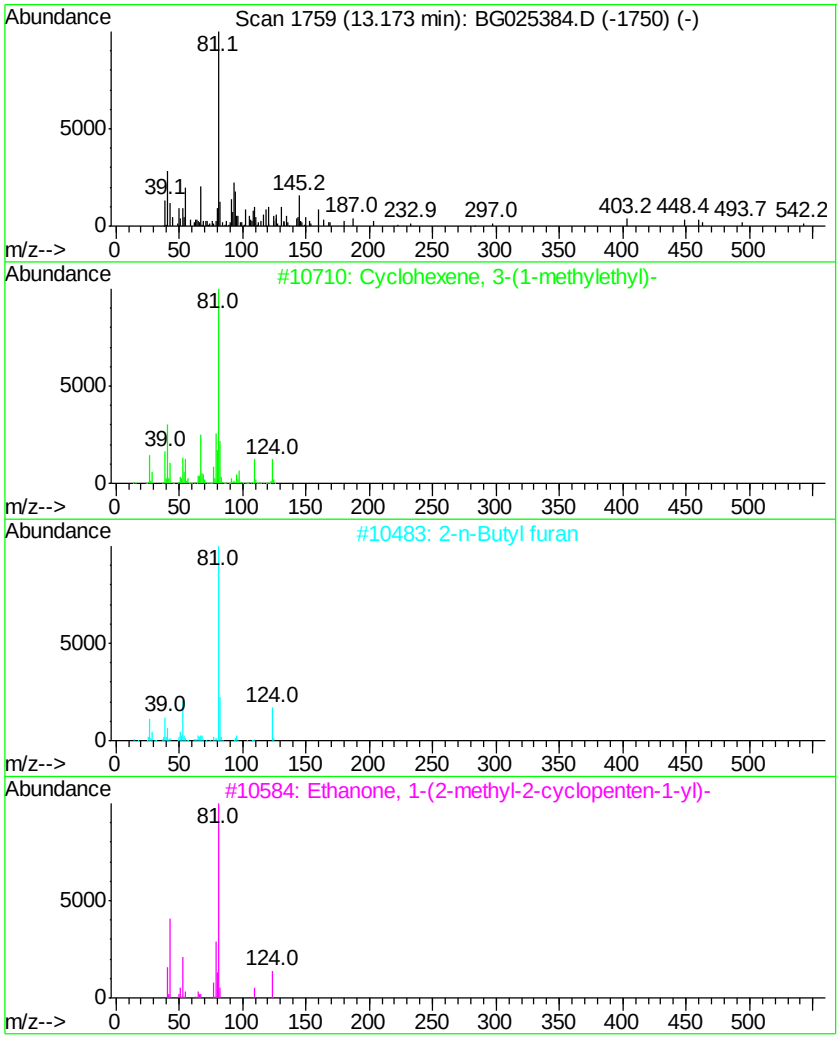
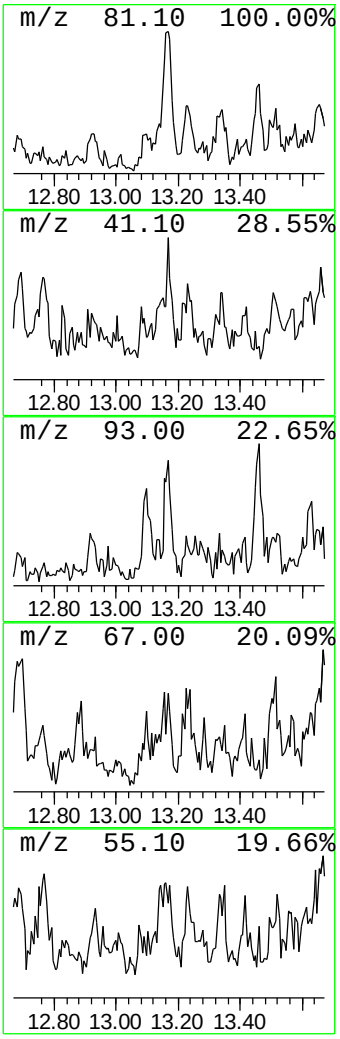
Peak Number 13 Cyclohexene, 3-(1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	6.24 ng	223669	Acenaphthene-d10	14.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	52
2	2-n-Butyl furan	124	C8H12O	004466-24-4	49
3	Ethanone, 1-(2-methyl-2-cyclopen...	124	C8H12O	001767-84-6	47
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	47
5	Furan, 2-[(methyldithio)methyl]-	160	C6H8OS2	057500-00-2	46





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Sample : H6166-04
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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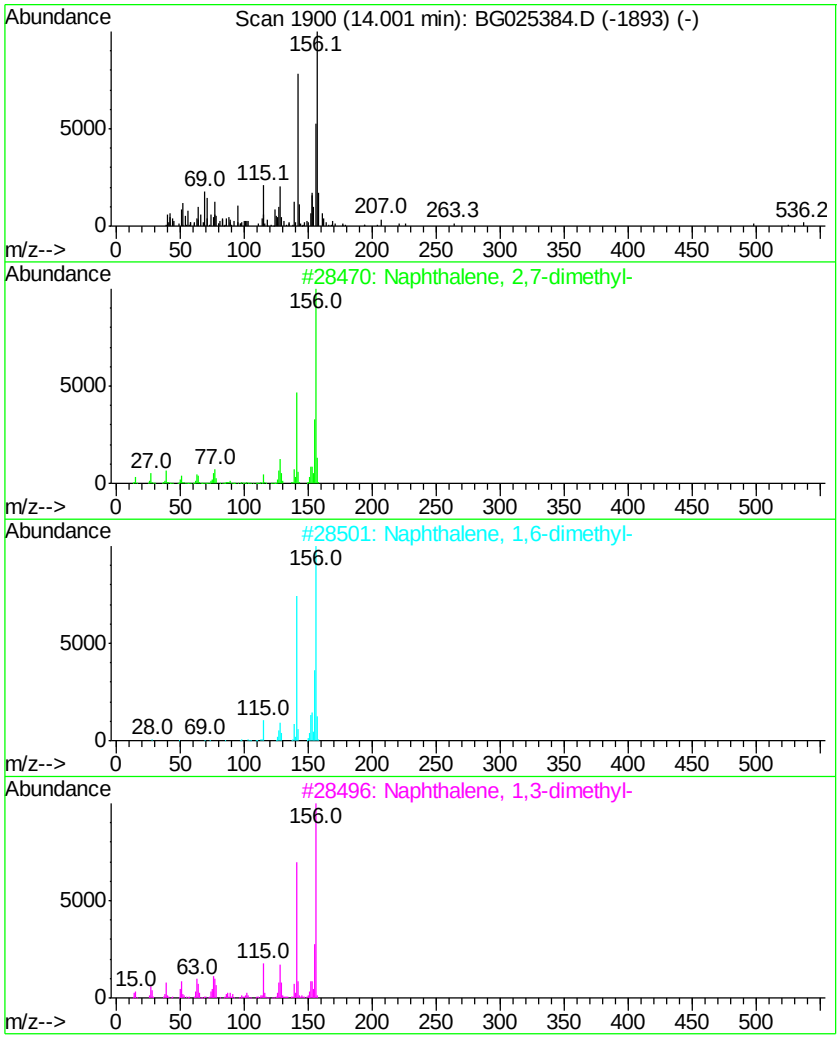
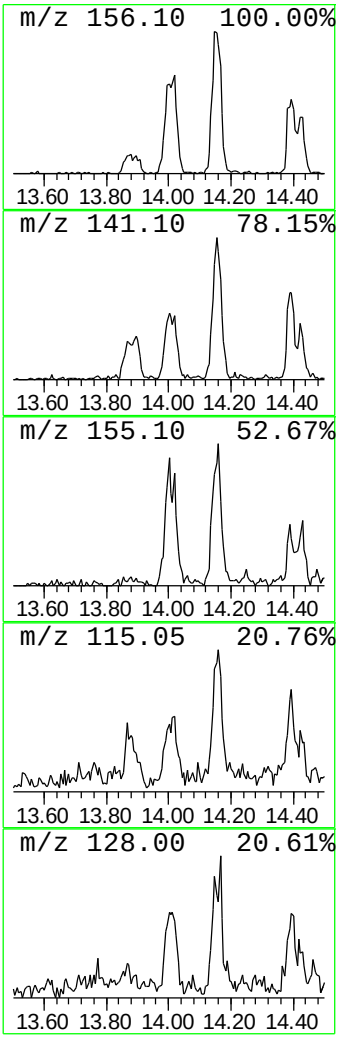
Peak Number 14 Naphthalene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	7.66 ng	274642	Acenaphthene-d10	14.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





Library Search Compound Report

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Sample : H6166-04
Misc :
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Instrument : BNA_G
ClientSampleId : MW-31

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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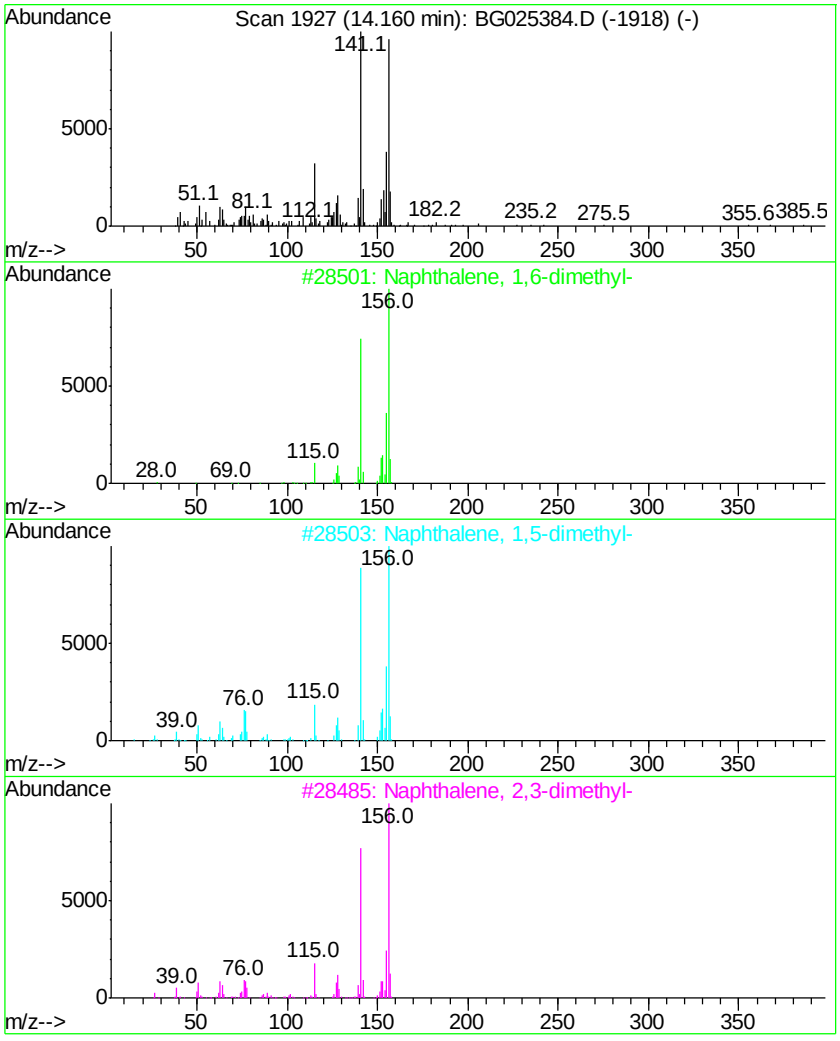
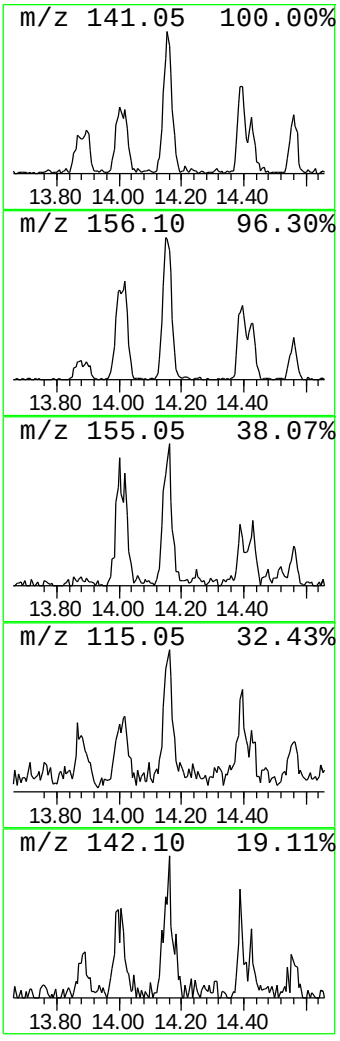
Peak Number 15 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	12.28 ng	440019	Acenaphthene-d10	14.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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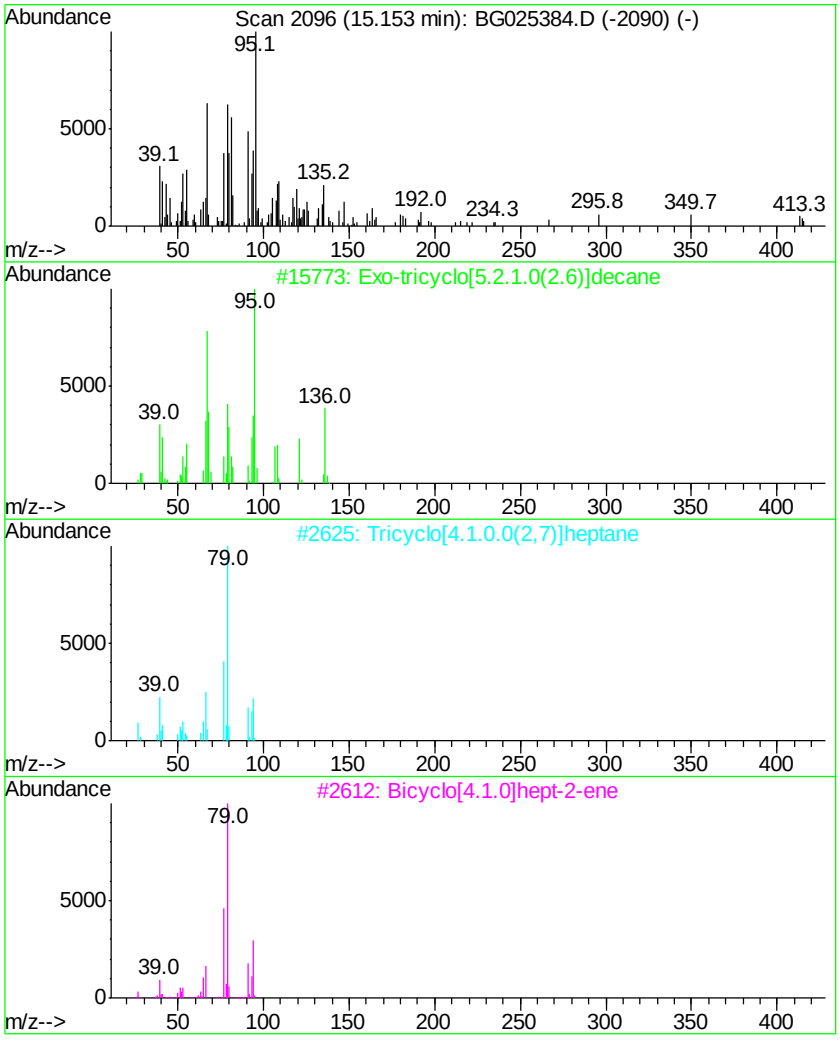
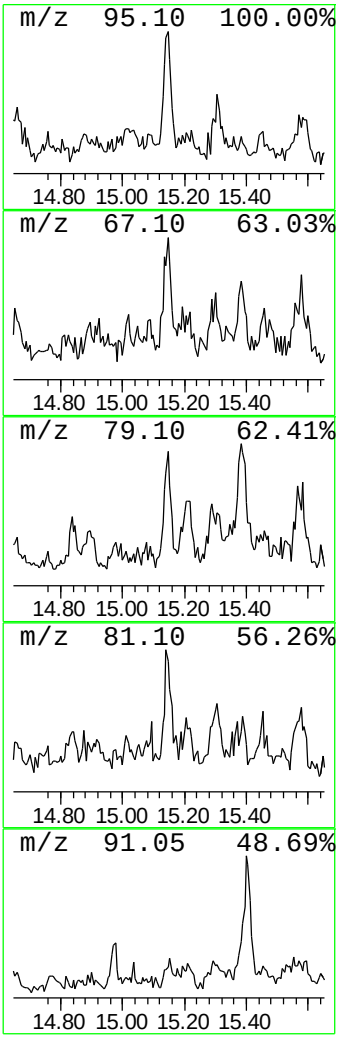
Peak Number 16 Exo-tricyclo[5.2.1.0(2.6)]d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	5.40 ng	193420	Acenaphthene-d10	14.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Exo-tricyclo[5.2.1.0(2.6)]decane	136	C10H16	1000215-28-7	87
2	Tricyclo[4.1.0.0(2,7)]heptane	94	C7H10	000287-13-8	83
3	Bicyclo[4.1.0]hept-2-ene	94	C7H10	002566-57-6	46
4	3-Tridecen-1-yne, (Z)-	178	C13H22	037981-62-7	46
5	1,3-Cyclooctadiene, (Z,Z)-	108	C8H12	003806-59-5	45





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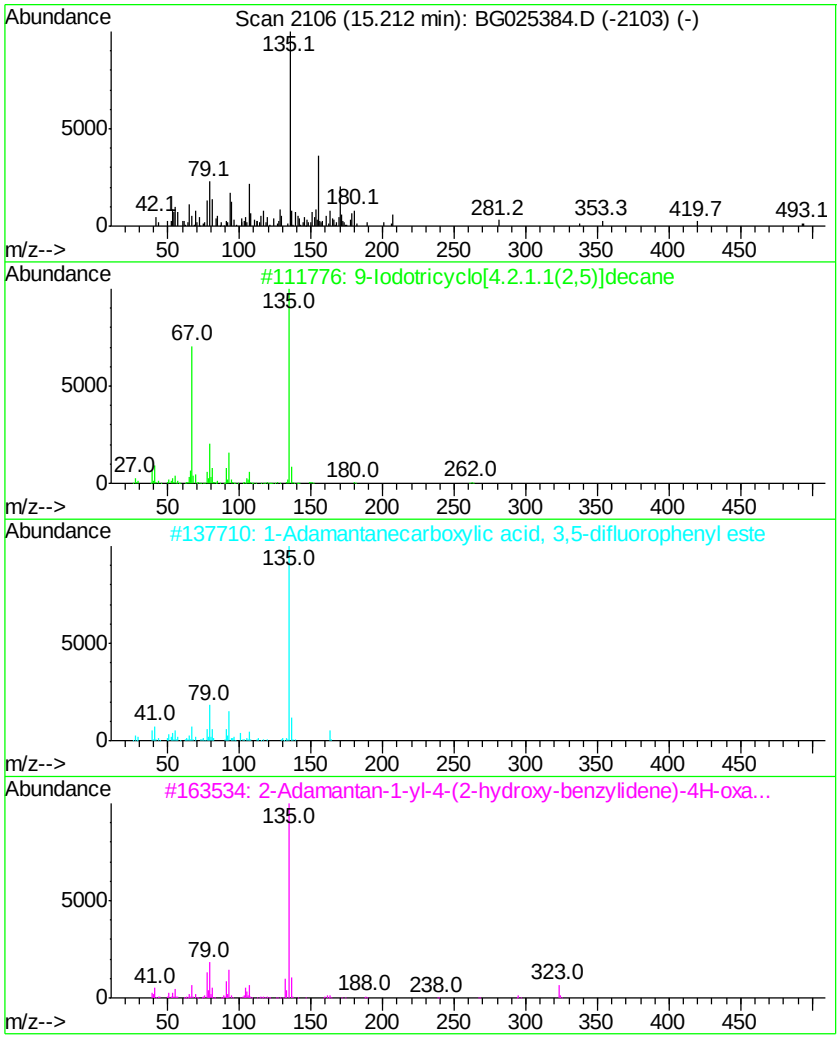
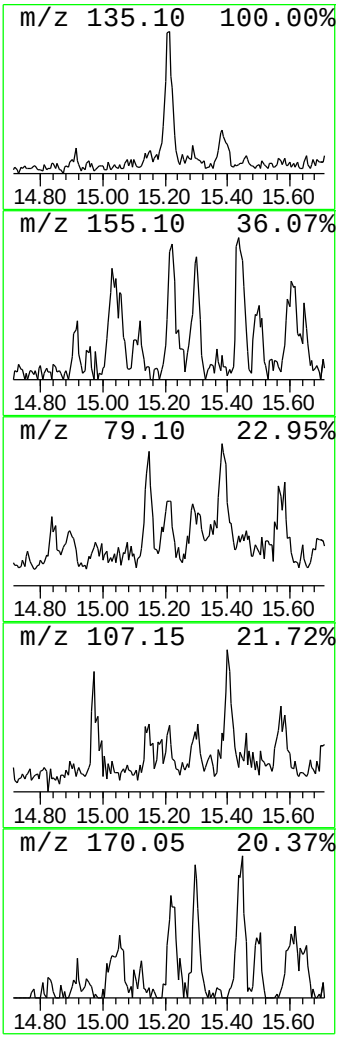
Peak Number 17 unknown15.21 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	5.71 ng	204435	Acenaphthene-d10	14.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Iodotricyclo[4.2.1.1(2,5)]decane	262	C10H15I	1000194-77-8	47
2	1-Adamantanecarboxylic acid, 3,5...	292	C17H18F2O2	1000293-75-1	47
3	2-Adamantan-1-yl-4-(2-hydroxy-be...	323	C20H21NO3	1000295-03-8	47
4	Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	47
5	Adamantane-1-carboxylic acid, 4-...	284	C18H20O3	1000276-61-1	47





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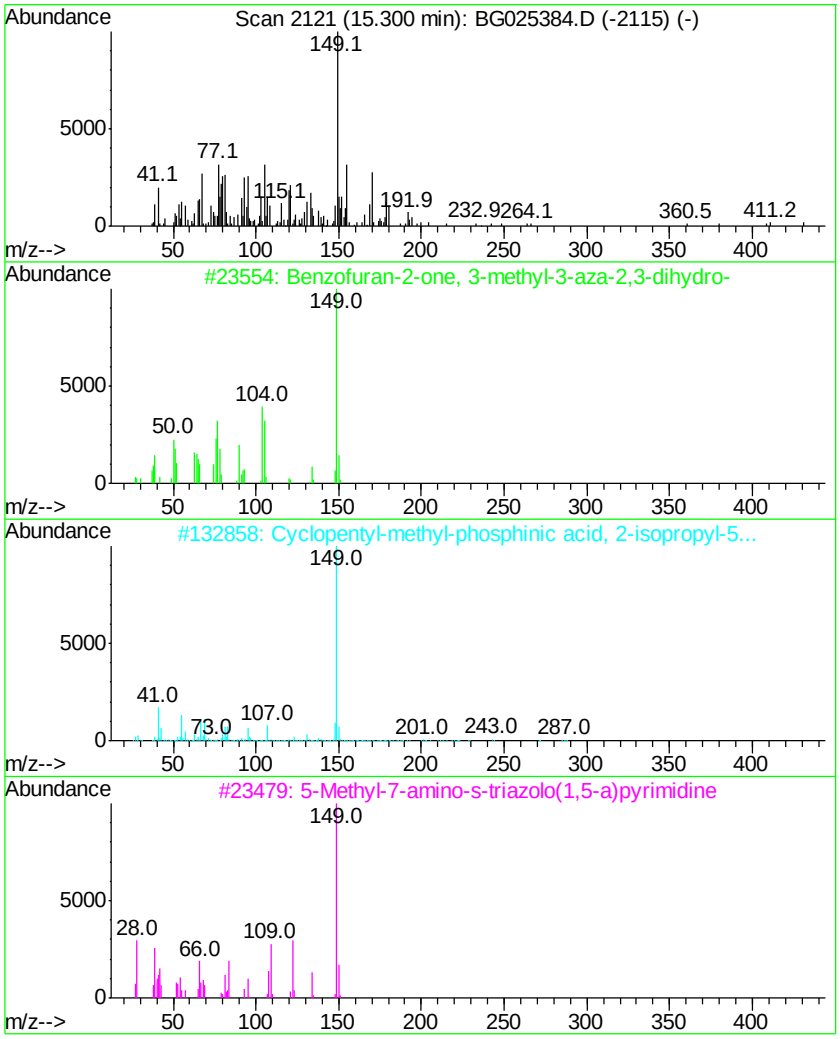
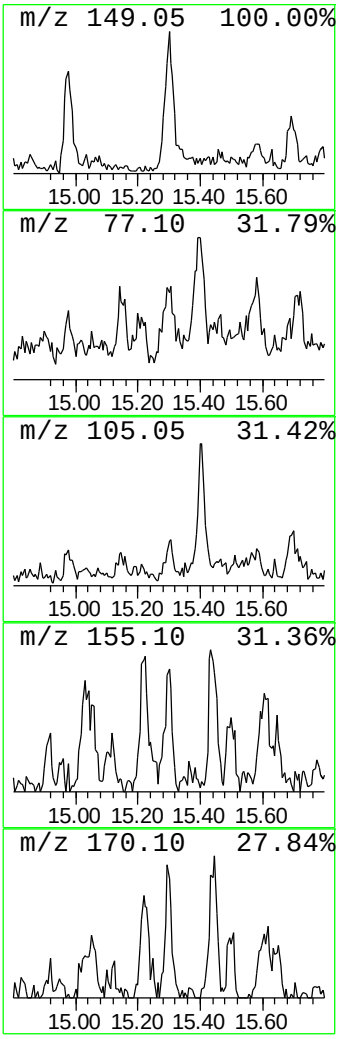
Peak Number 18 unknown15.30 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	6.58 ng	235738	Acenaphthene-d10	14.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran-2-one, 3-methyl-3-aza...	149	C8H7NO2	1000289-12-2	46
2	Cyclopentyl-methyl-phosphinic ac...	286	C16H31O2P	1000194-56-2	43
3	5-Methyl-7-amino-s-triazolo(1,5-...	149	C6H7N5	033376-96-4	38
4	Tricyclo[4.3.1.1(3,8)]undecane-1...	208	C13H20O2	031083-60-0	38
5	4-Ethoxybenzhydrazide	180	C9H12N2O2	058586-81-5	38





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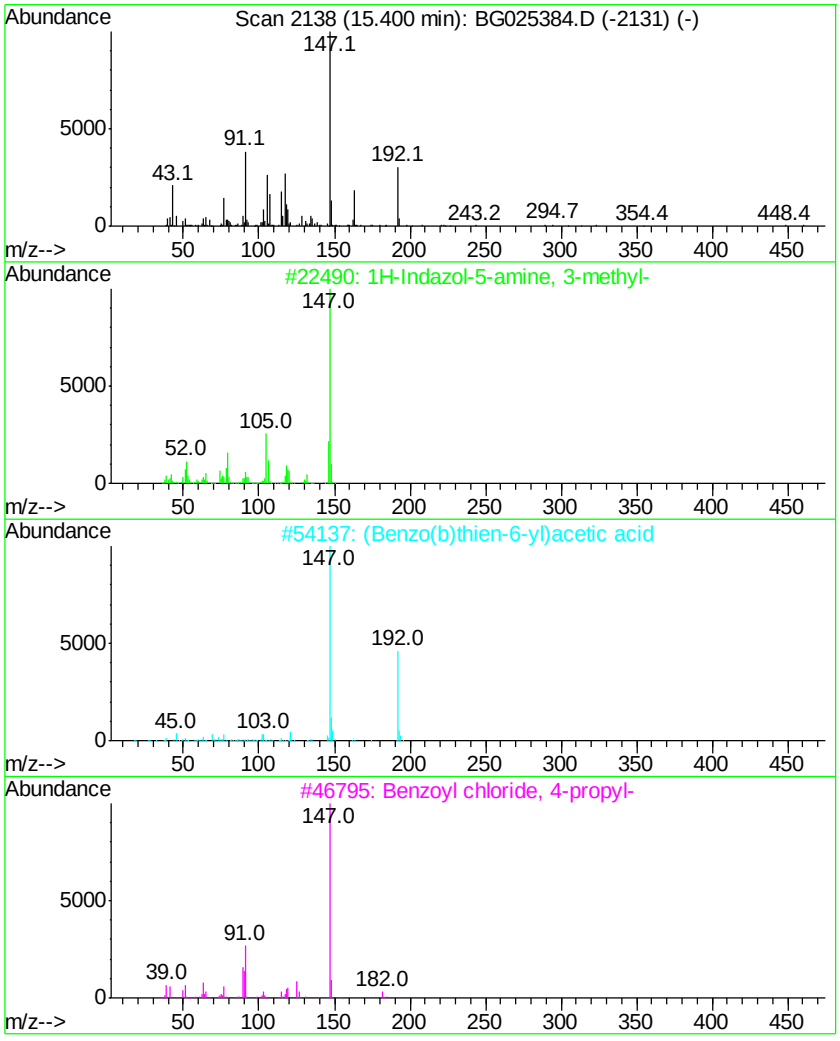
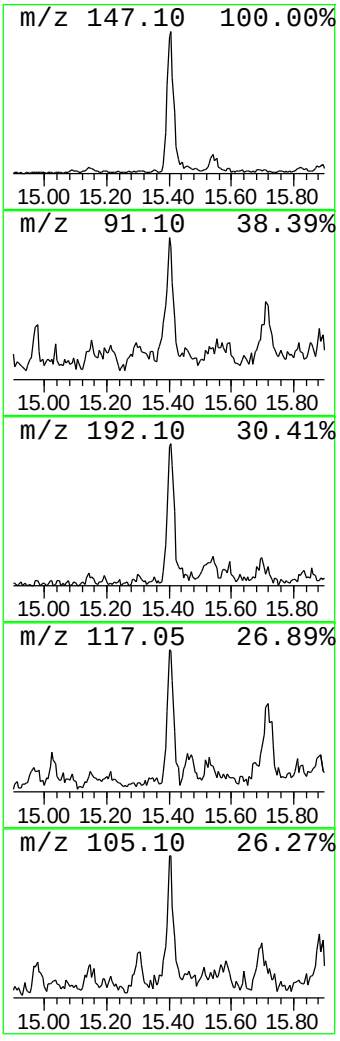
Peak Number 19 1H-Indazol-5-amine, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	11.80 ng	422891	Acenaphthene-d10	14.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indazol-5-amine, 3-methyl-	147	C8H9N3	1000338-20-2	50
2	(Benzo(b)thien-6-yl)acetic acid	192	C10H8O2S	006177-87-3	47
3	Benzoyl chloride, 4-propyl-	182	C10H11ClO	052710-27-7	43
4	2-Indolizinemethanol	147	C9H9NO	022320-21-4	43
5	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	40





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Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

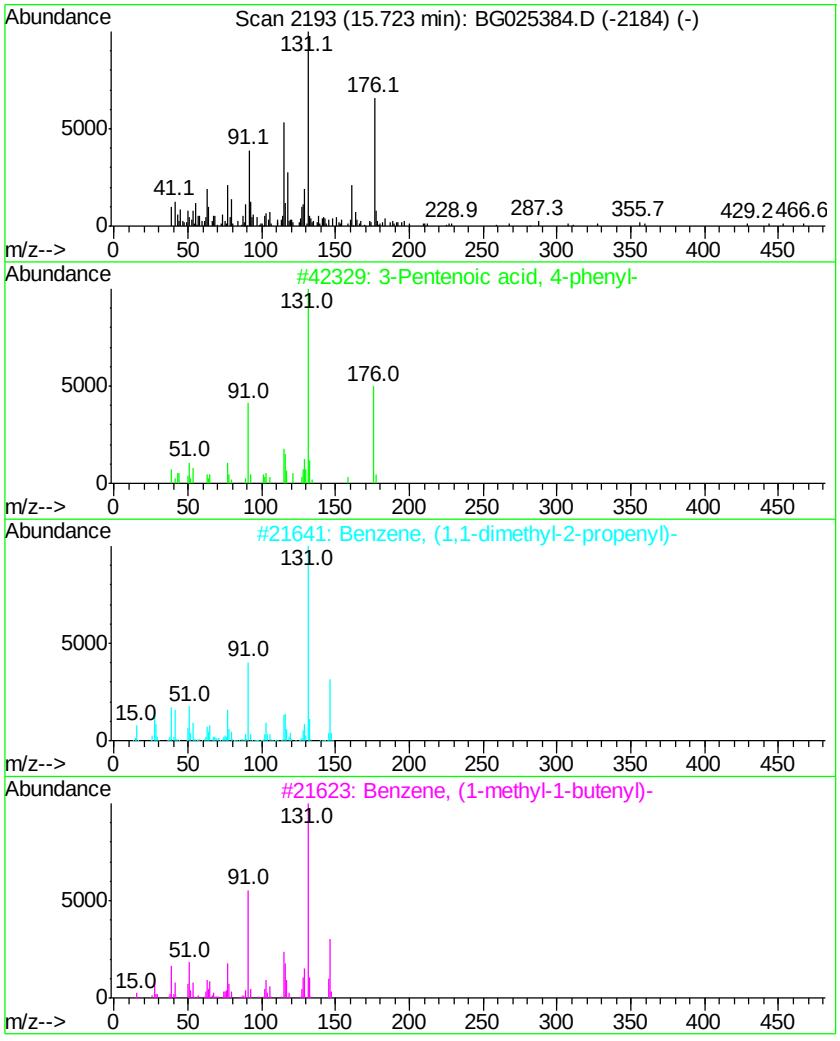
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

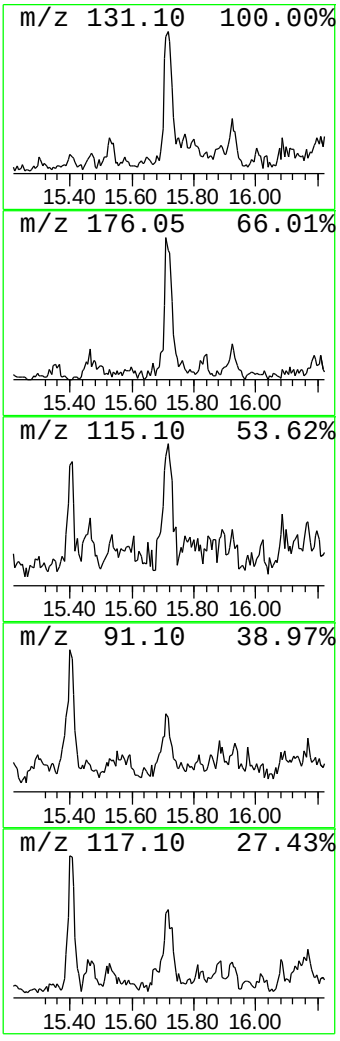
****

Peak Number 20 3-Pentenoic acid, 4-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	8.82 ng	315992	Acenaphthene-d10	14.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	58
2	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	43
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	43
4	(Indazol-1-yl)acetic acid	176	C9H8N2O2	1000315-94-2	38
5	1-Butyl(dimethyl)silyloxy-2-meth...	188	C10H24OSi	1000282-45-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122216\
Data File : BG025384.D
Acq On : 22 Dec 2016 11:29
Operator : UM/SJ
Sample : H6166-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-31

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown5.27	5.27	12.8	ng	232860	1	8.21	364127	20.0
unknown7.74	7.74	88.4	ng	1610160	1	8.21	364127	20.0
Deltacyclene	8.58	5.5	ng	100849	1	8.21	364127	20.0
Benzene, 1,3-diet...	8.68	9.9	ng	179511	1	8.21	364127	20.0
Benzene, 1,2-diet...	8.89	6.8	ng	123230	1	8.21	364127	20.0
Benzene, 1-ethyl-...	9.31	27.6	ng	502460	1	8.21	364127	20.0
Benzene, 1,2,3,4-...	9.84	11.6	ng	367165	2	11.04	635700	20.0
2,2-Dimethylinden...	10.21	5.5	ng	175180	2	11.04	635700	20.0
Benzene, 2-butenyl-	10.42	16.3	ng	517473	2	11.04	635700	20.0
Naphthalene, 1,2,...	12.56	5.6	ng	176705	2	11.04	635700	20.0
Cyclohexene, 3-(1...	13.17	6.2	ng	223669	3	14.84	716677	20.0
Naphthalene, 2,7-...	14.00	7.7	ng	274642	3	14.84	716677	20.0
Naphthalene, 1,6-...	14.16	12.3	ng	440019	3	14.84	716677	20.0
Exo-tricyclo[5.2....	15.15	5.4	ng	193420	3	14.84	716677	20.0
unknown15.21	15.21	5.7	ng	204435	3	14.84	716677	20.0
unknown15.30	15.30	6.6	ng	235738	3	14.84	716677	20.0
1H-Indazol-5-amin...	15.40	11.8	ng	422891	3	14.84	716677	20.0
3-Pentenoic acid,...	15.72	8.8	ng	315992	3	14.84	716677	20.0