LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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	5.260	406	412	420	rBV2	168826	303658	1.90%	0.218%
2	5.736	487	493	506	rBV	555969	1031763	6.47%	0.742%
3	6.652	643	649	657	rBV	99261	170615	1.07%	0.123%
4	7.358	762	769	781	rBV	353174	694992	4.36%	0.499%
5	7.728	826	832	844	rVB	1103426	2055184	12.89%	1.477%
6	8.198	906	912	918	rBV	232784	415364	2.61%	0.299%
7	8.527	954	968	972	rBV	961067	1843516	11.56%	1.325%
8	8.568	972	975	982	rVV	469123	795910	4.99%	0.572%
9	8.674	986	993	1000	rVB3	147403	266613	1.67%	0.192%
10	8.879	1023	1028	1037	rVB3	103851	200560	1.26%	0.144%
11	9.296	1092	1099	1106	rVB2	420257	802864	5.04%	0.577%
12	9.385	1106	1114	1126	rBV	1262086	2356185	14.78%	1.693%
13	9.825	1183	1189	1195	rVB	284362	494301	3.10%	0.355%
14	10.195	1245	1252	1257	rBV4	106554	255916	1.61%	0.184%
15	10.254	1257	1262	1272	rVB3	135480	310663	1.95%	0.223%
16	10.407	1278	1288	1296	rBV2	928642	1757729	11.03%	1.263%
17	10.583	1308	1318	1322	rBV9	69038	170219	1.07%	0.122%
18	10.853	1357	1364	1371	rBV5	103839	222723	1.40%	0.160%
19	11.030	1389	1394	1404	rVB2	346016	795908	4.99%	0.572%
20	11.124	1404	1410	1417	rVB3	153408	278776	1.75%	0.200%
21	11.482	1467	1471	1477	rVB3	111227	194930	1.22%	0.140%
22	11.600	1485	1491	1494	rBV2	108171	202022	1.27%	0.145%
23	11.676	1500	1504	1511	rVB7	99181	225522	1.41%	0.162%
24	12.111	1574	1578	1588	rVB5	118496	256962	1.61%	0.185%
25	12.193	1588	1592	1598	rBV3	168744	270969	1.70%	0.195%
26	12.551	1647	1653	1660	rVB3	304278	532521	3.34%	0.383%
27	12.722	1673	1682	1689	rBV5	437003	1035231	6.49%	0.744%
28	12.886	1702	1710	1714	rBV	1330203	2340195	14.68%	1.682%
29	12.927	1714	1717	1727	rVB	553278	972499	6.10%	0.699%
30	13.033	1728	1735	1748	rBV8	503658	1501309	9.42%	1.079%
31	13.174	1752	1759	1765	rVB3	181360	440875	2.77%	0.317%
32	13.304	1775	1781	1789	rBV	1793492	2930158	18.38%	2.106%
33	13.450	1795	1806	1813	rVB	2364585	3932760	24.67%	2.826%
34	13.544	1818	1822	1830	rVB10	99824	218245	1.37%	0.157%

LSC Area Percent Report

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Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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

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Peak separation: 5

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

35	13.656	1837	1841	1845	rBV6	102832	180779	1.13%	0.130%
36	13.703	1845	1849	1855	rVV2	225683	370164	2.32%	0.266%
37	13.762	1855	1859	1862	rVV3	155083	261536	1.64%	0.188%
38	13.803	1862	1866	1871	rVB3	270179	431878	2.71%	0.310%
39	13.938	1879	1889	1898	rBV5	651221	2628906	16.49%	1.889%
40	14.067	1906	1911	1918	rBV8	325041	777141	4.87%	0.559%
41	14.173	1918	1929	1932	rBV7	1388107	4172651	26.17%	2.999%
42	14.338	1943	1957	1963	rBV3	974063	2968175	18.62%	2.133%
43	14.561	1986	1995	1999	rVB9	155952	424800	2.66%	0.305%
44	14.643	1999	2009	2020	rBV	1443628	3148025	19.75%	2.262%
45	14.749	2022	2027	2031	rBV	300362	513570	3.22%	0.369%
46	14.831	2036	2041	2053	rVB3	1044916	1934986	12.14%	1.391%
47	14.949	2057	2061	2064	rBV4	255821	392696	2.46%	0.282%
48	14.996	2064	2069	2073	rVB	1327622	1811342	11.36%	1.302%
49	15.054	2073	2079	2082	rBV2	596678	1217733	7.64%	0.875%
50	15.148	2091	2095	2097	rBV2	596737	827456	5.19%	0.595%
51	15.372	2117	2133	2137	rBV	2036197	5786023	36.29%	4.158%
52	15.425	2137	2142	2149	rVV2	1240413	2979212	18.69%	2.141%
53	15.495	2149	2154	2162	rVV4	1501394	3178242	19.94%	2.284%
54	15.566	2162	2166	2175	rVV5	513363	999233	6.27%	0.718%
55	15.665	2177	2183	2189	rVV2	884801	2001601	12.55%	1.439%
56	15.789	2190	2204	2212	rVV5	4516682	15942764	100.00%	11.458%
57	15.853	2212	2215	2218	rVV2	1023707	1451854	9.11%	1.043%
58	15.895	2218	2222	2231	rVV4	649786	1452169	9.11%	1.044%
59	15.971	2231	2235	2237	rVV2	210600	319818	2.01%	0.230%
60	16.018	2237	2243	2254	rVB3	1340220	2712713	17.02%	1.950%
61	16.135	2258	2263	2265	rBV	918302	1331645	8.35%	0.957%
62	16.171	2265	2269	2273	rVV2	1268837	2113180	13.25%	1.519%
63	16.224	2273	2278	2286	rVV2	1424207	2993696	18.78%	2.152%
64	16.323	2286	2295	2298	rVV3	2939741	5991438	37.58%	4.306%
65	16.371	2298	2303	2307	rVV	3326319	6704744	42.06%	4.819%
66	16.435	2307	2314	2322	rVV	3639282	7579223	47.54%	5.447%
67	16.506	2322	2326	2333	rVB2	1530617	2434778	15.27%	1.750%
68	16.653	2345	2351	2356	rBV2	557369	1092717	6.85%	0.785%
69	16.711	2356	2361	2366	rVB2	661222	1200004	7.53%	0.862%
70	16.794	2369	2375	2382	rVB4	599204	1216298	7.63%	0.874%
71	16.893	2387	2392	2396	rBV4	488093	809445	5.08%	0.582%

LSC Area Percent Report

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Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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	16.935	2396	2399	2405	rVB3	326705	471803	2.96%	0.339%
73	16.999	2405	2410	2413	rBV2	444768	763056	4.79%	0.548%
74	17.164	2433	2438	2443	rBV4	458974	815597	5.12%	0.586%
75	17.234	2447	2450	2456	rVB5	251176	385362	2.42%	0.277%
76	17.575	2502	2508	2516	rBV3	1029273	1889334	11.85%	1.358%
77	18.221	2614	2618	2623	rVB2	124032	193018	1.21%	0.139%
78	18.821	2715	2720	2732	rVV	859349	1474708	9.25%	1.060%
79	18.915	2732	2736	2744	rVB	166345	317293	1.99%	0.228%
80	19.261	2788	2795	2800	rBV8	84960	226826	1.42%	0.163%
81	20.154	2941	2947	2953	rVB	5242586	6786841	42.57%	4.878%
82	21.864	3232	3238	3246	rVB	949685	1609507	10.10%	1.157%
83	25.260	3807	3816	3828	rVB3	515579	1580707	9.91%	1.136%

Sum of corrected areas: 139144344

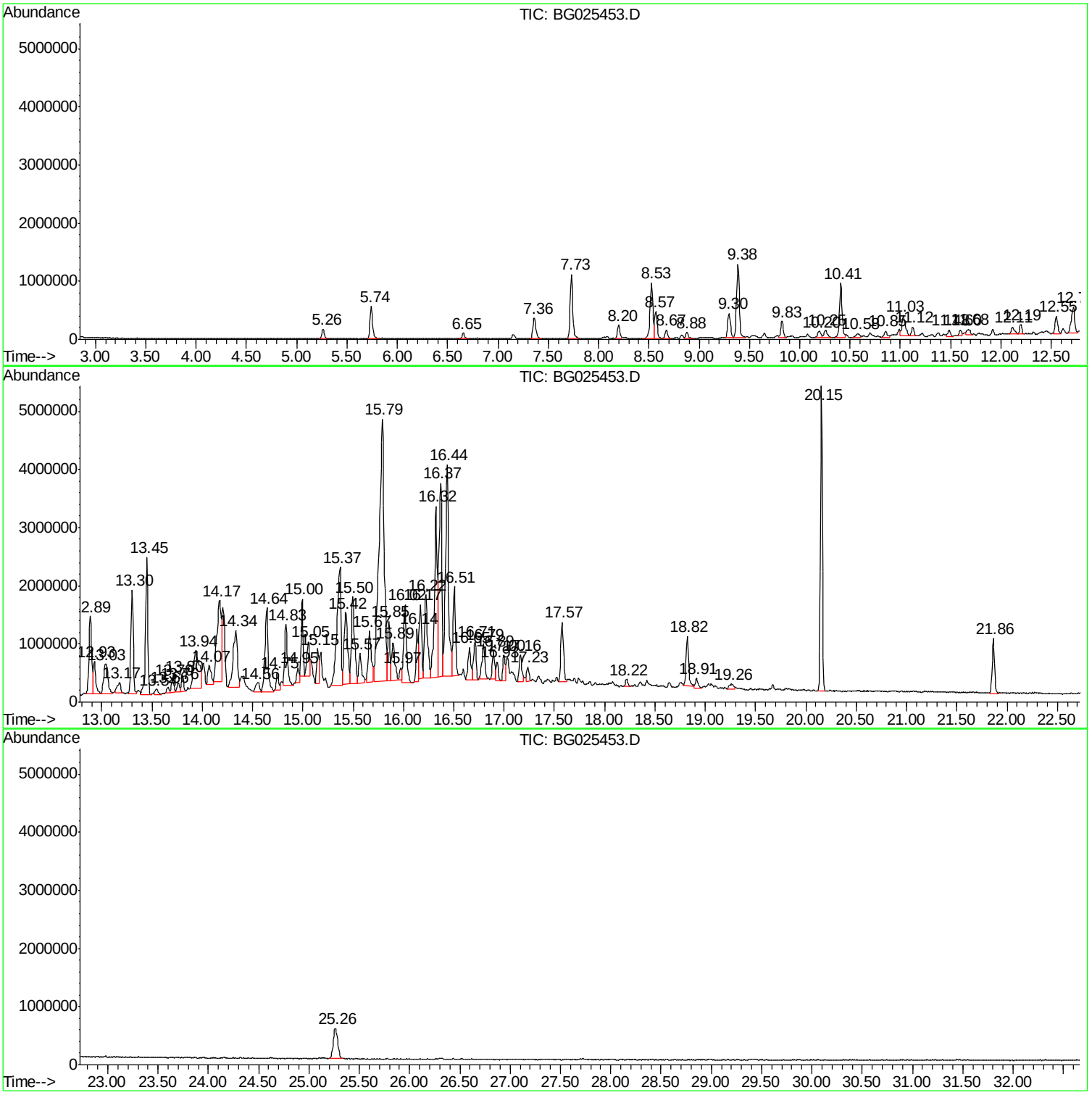
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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

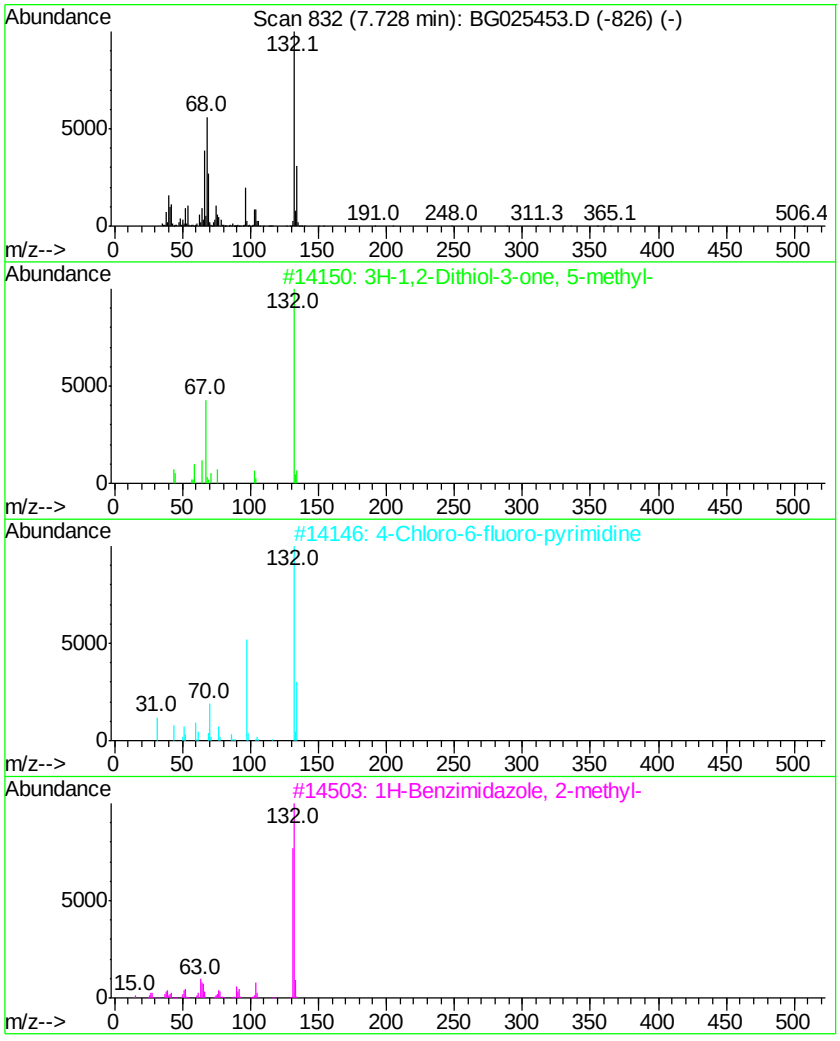
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

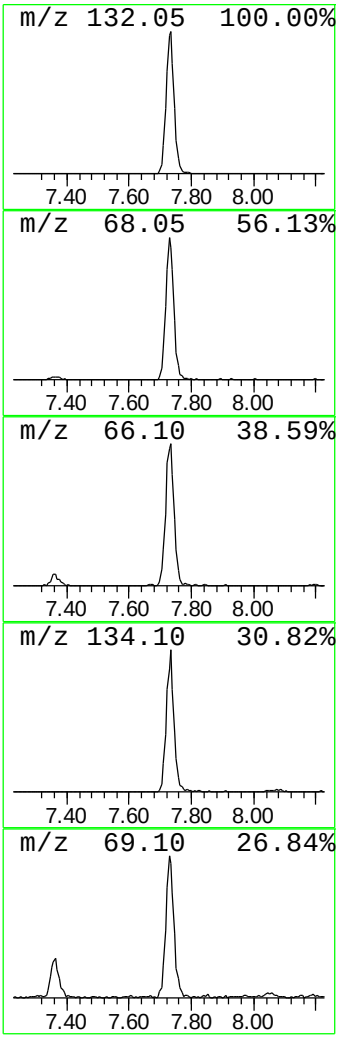
****

Peak Number 1 unknown7.73 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	98.96 ng	2055180	1,4-Dichlorobenzene-d4	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	14
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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

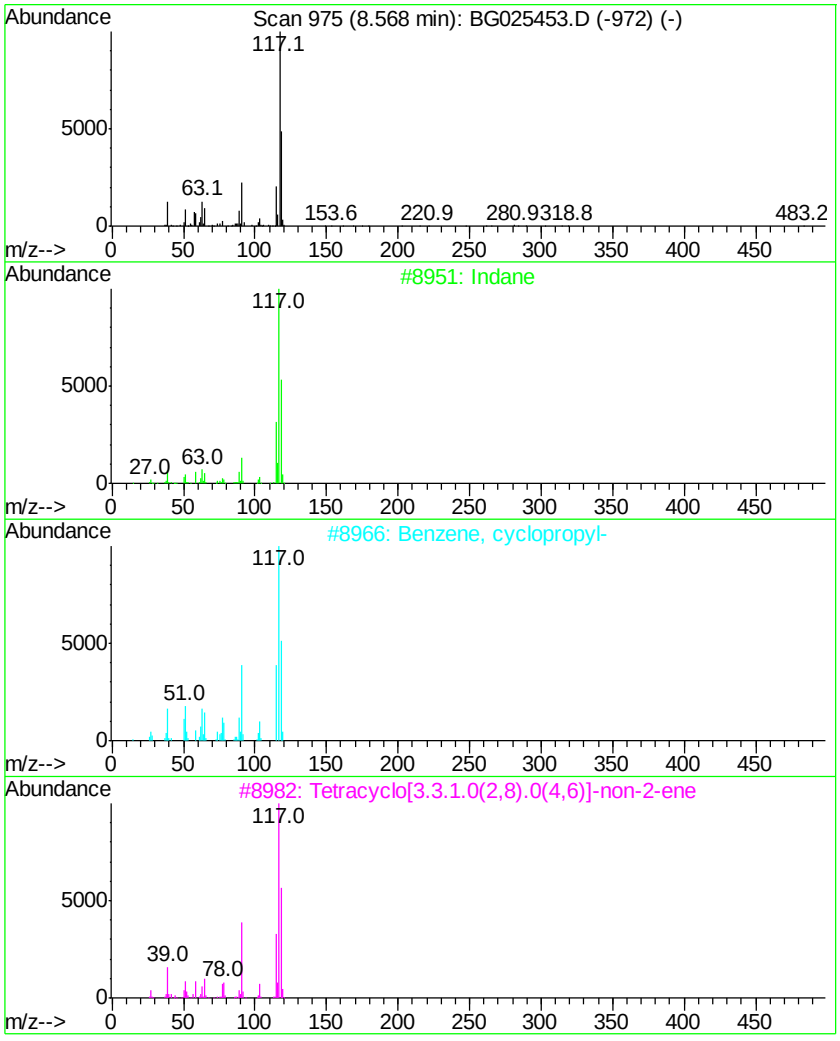
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

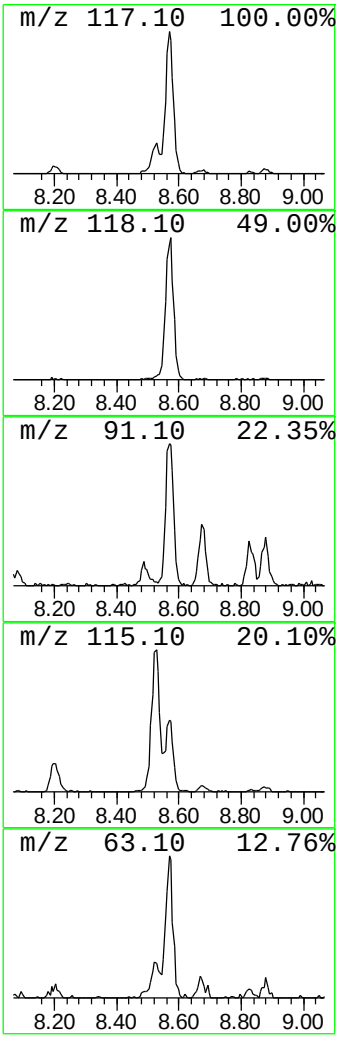
****

Peak Number 3 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	38.32 ng	795910	1,4-Dichlorobenzene-d4	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Deltacyclene	118	C9H10	007785-10-6	58
5	Benzene, 1-(chloromethyl)-4-ethe...	152	C9H9Cl	001592-20-7	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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

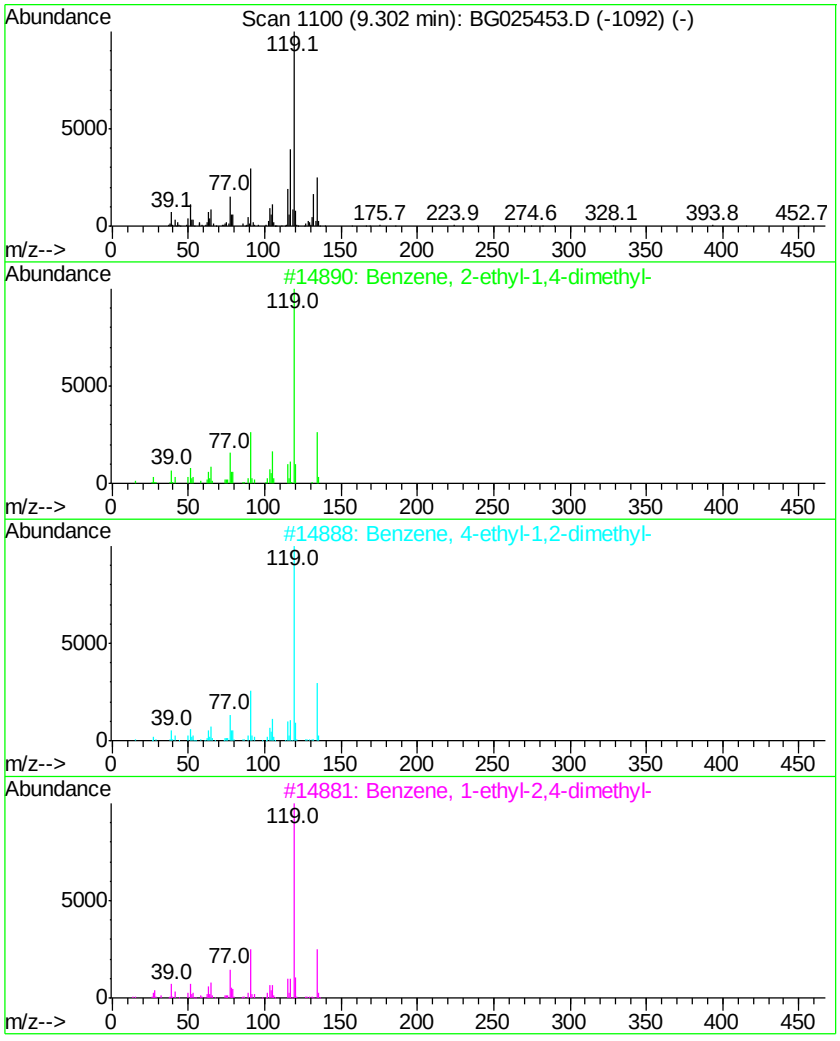
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

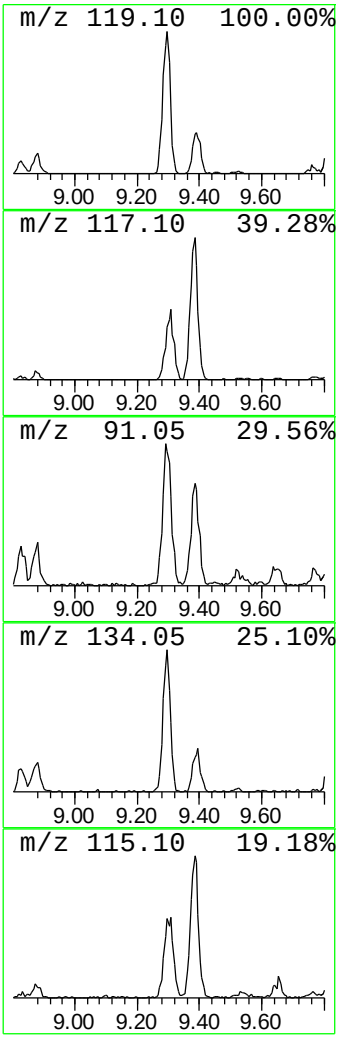
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	38.66 ng	802864	1,4-Dichlorobenzene-d4	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
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Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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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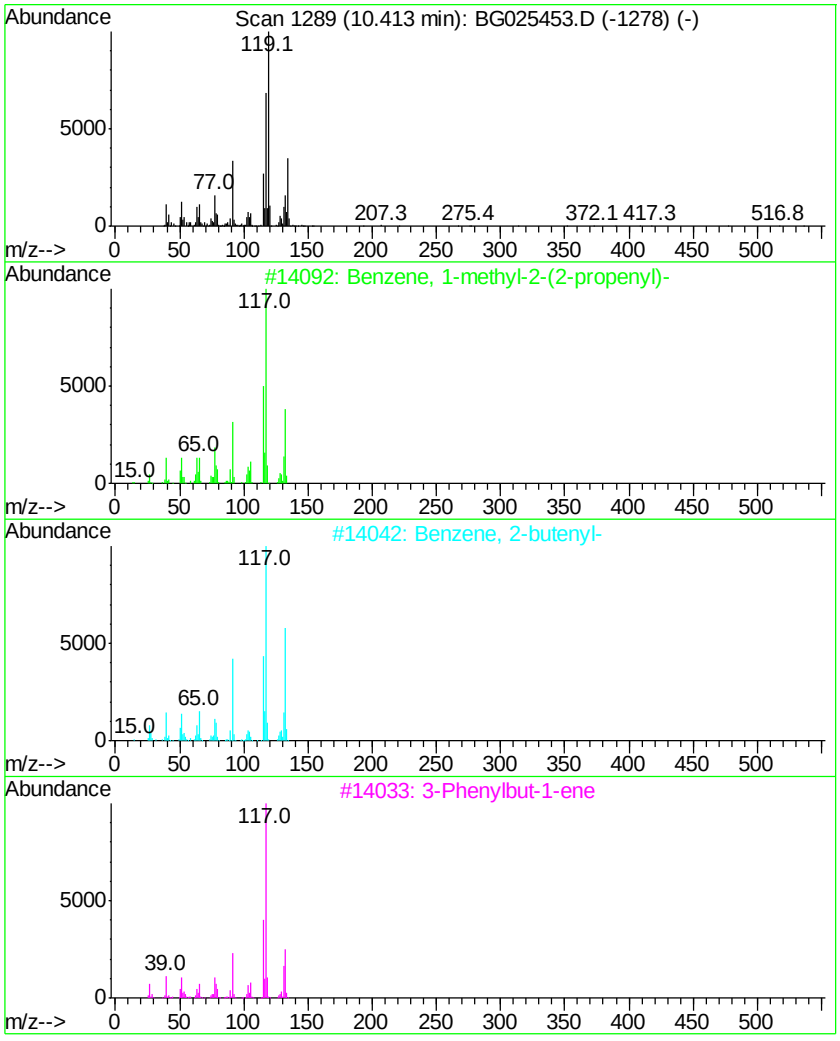
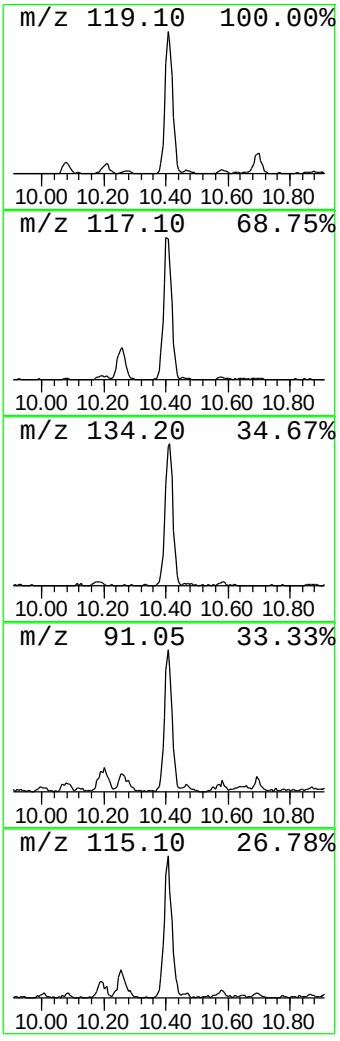
Peak Number 5 Benzene, 1-methyl-2-(2-prop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	44.17 ng	1757730	Naphthalene-d8	11.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	89
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	55





Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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

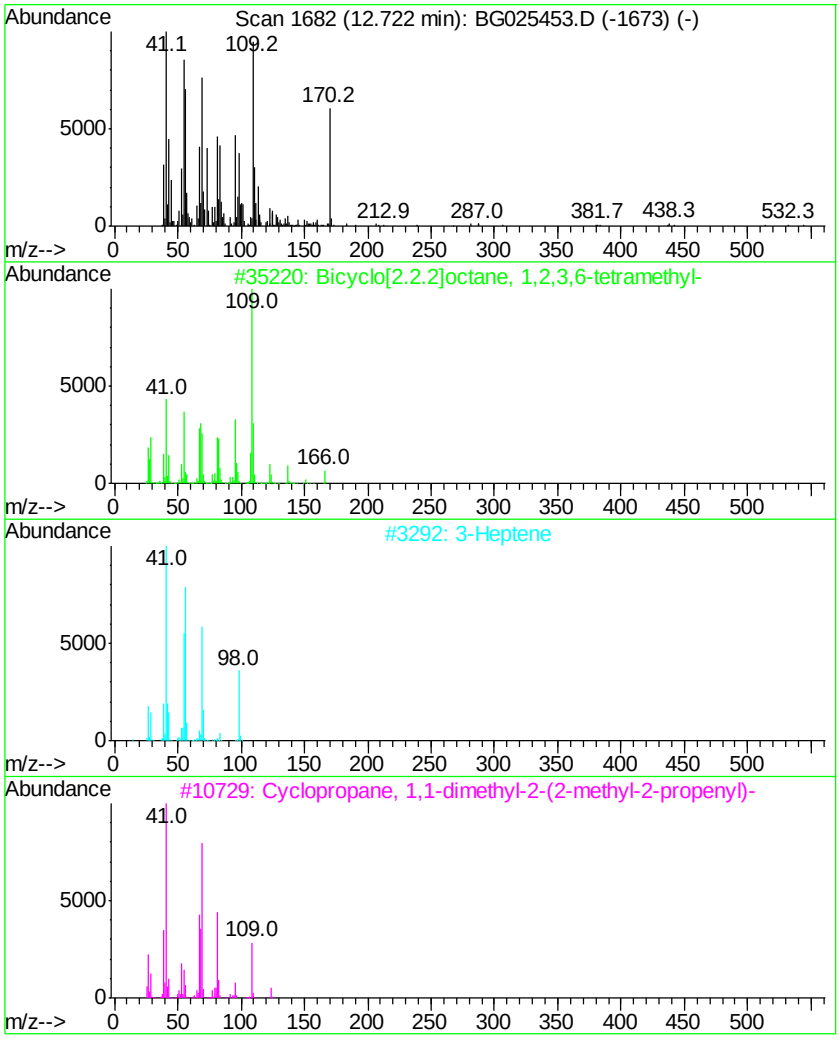
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

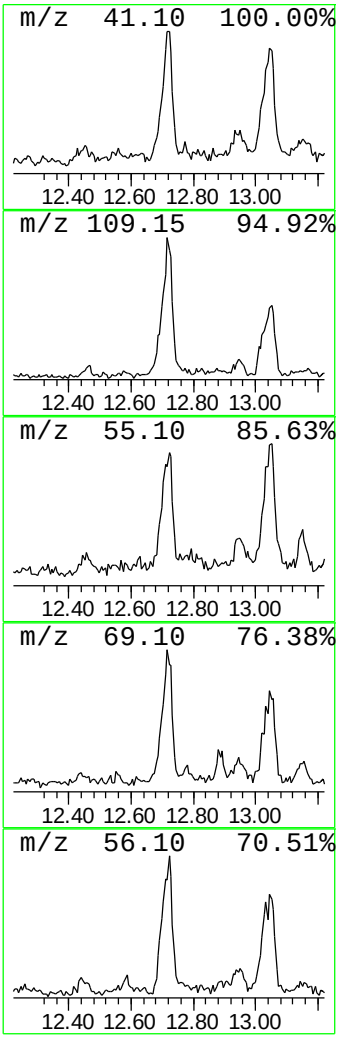
****

Peak Number 6 unknown12.72 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	26.01 ng	1035230	Naphthalene-d8	11.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octane, 1,2,3,6-te...	166	C12H22	062338-45-8	27
2	3-Heptene	98	C7H14	000592-78-9	25
3	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	22
4	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	20
5	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	18





Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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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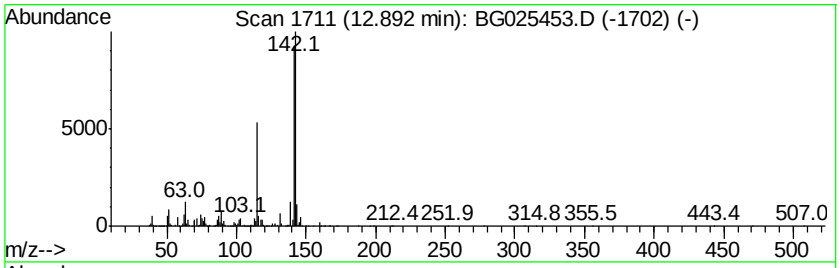
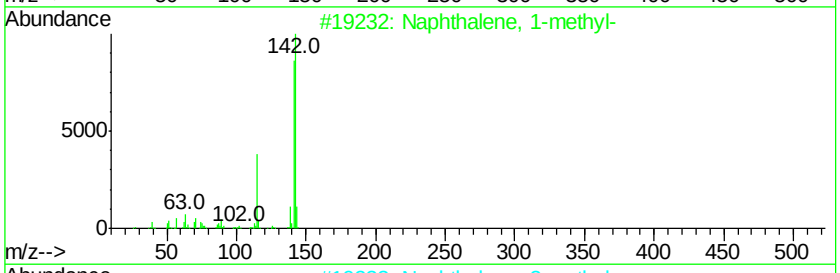
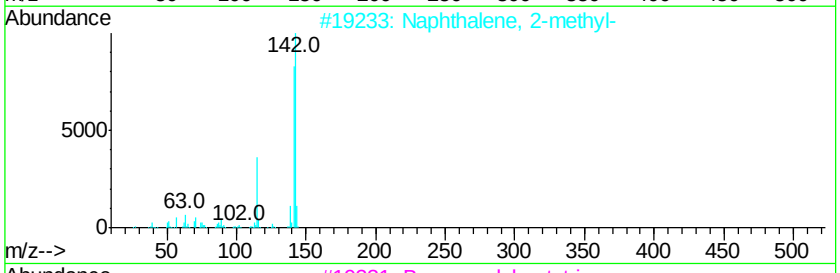
Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 6

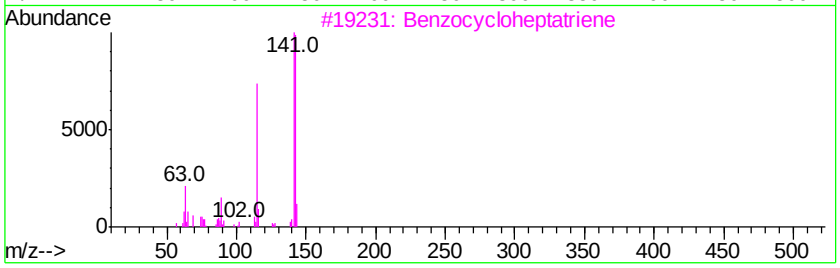
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	58.81 ng	2340200	Naphthalene-d8	11.02

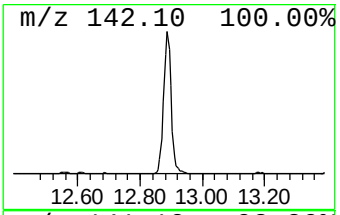
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	83
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	74

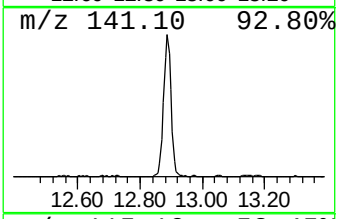


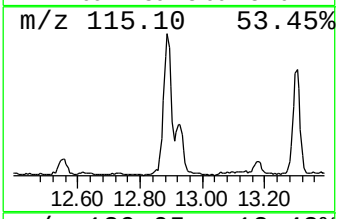


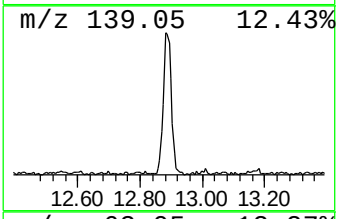


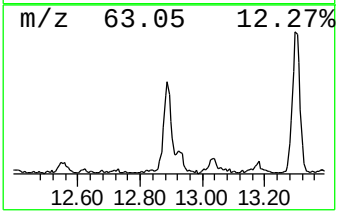












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Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

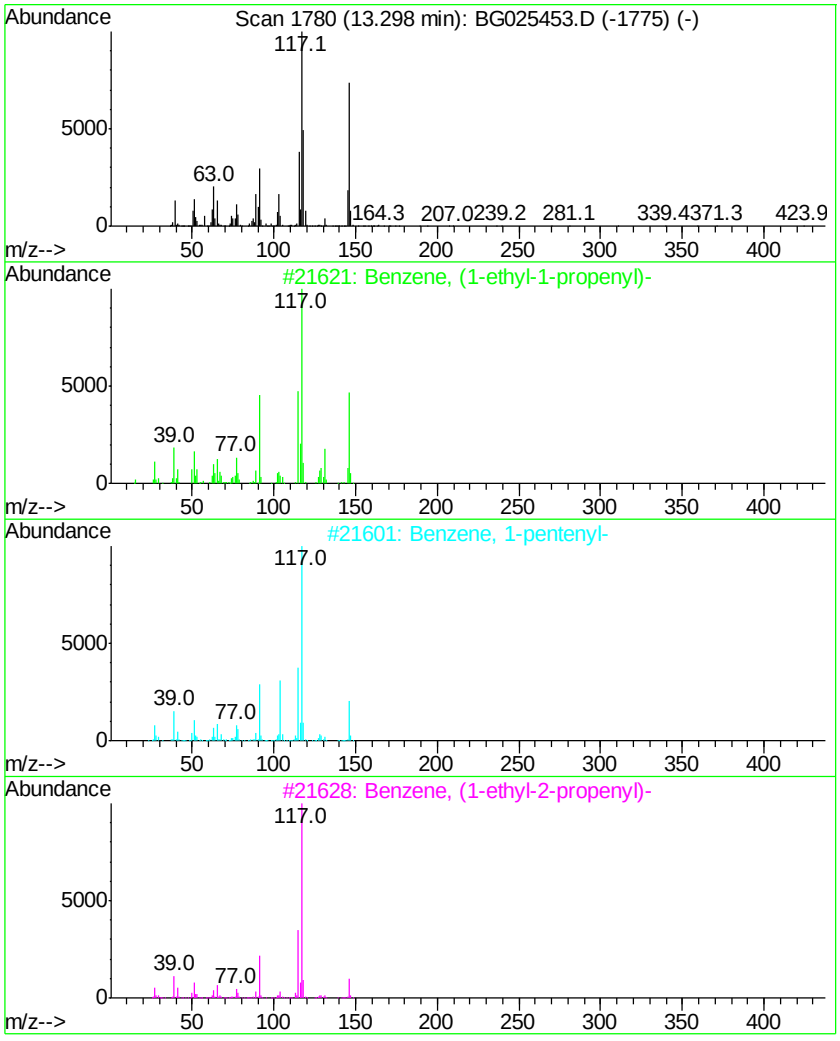
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

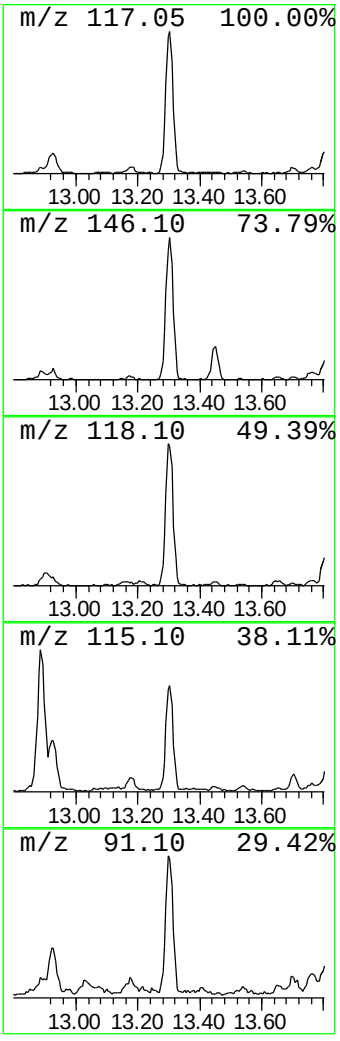
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	30.29 ng	2930160	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	72
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	68
3	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	64
4	Indane	118	C9H10	000496-11-7	50
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	50





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Instrument : BNA_G
ClientSampleId : W-12

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

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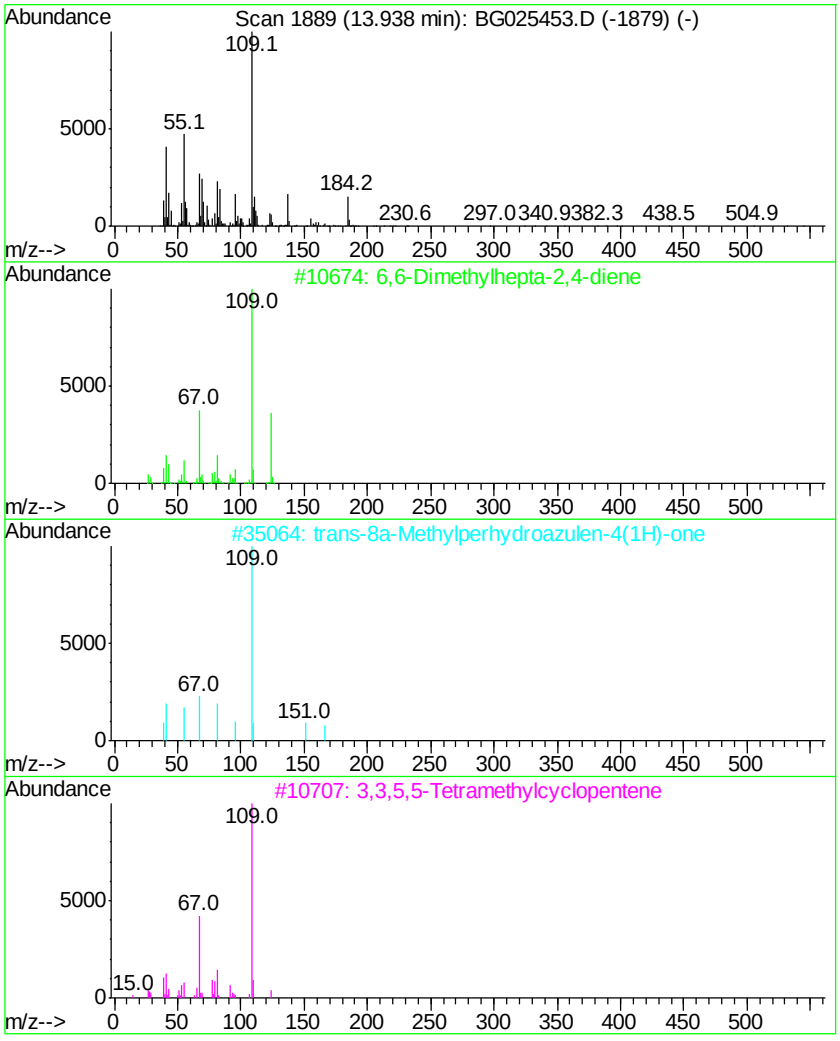
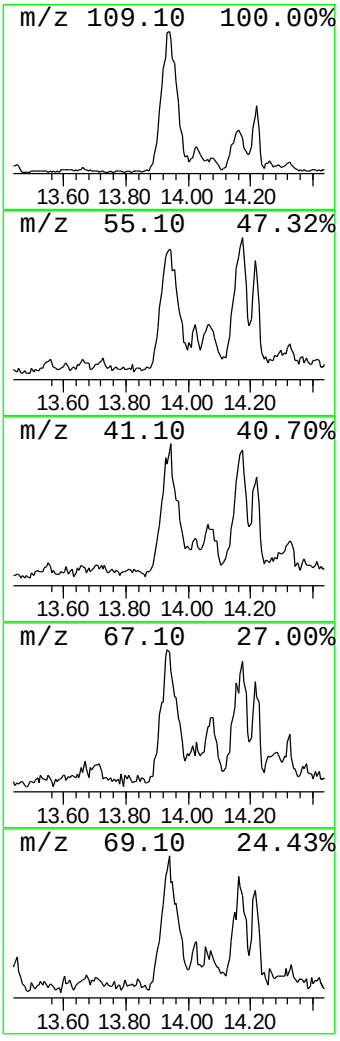
Peak Number 9 6,6-Dimethylhepta-2,4-diene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	27.17 ng	2628910	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	58
2	trans-8a-Methylperhydroazulen-4(...	166	C11H18O	032166-45-3	53
3	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	52
4	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	50
5	3,5-Dichloro-2-pyridyl 2-fluoro-...	335	C12H8Cl2FNO3S	058236-47-8	47





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Instrument : BNA_G
ClientSampleId : W-12

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

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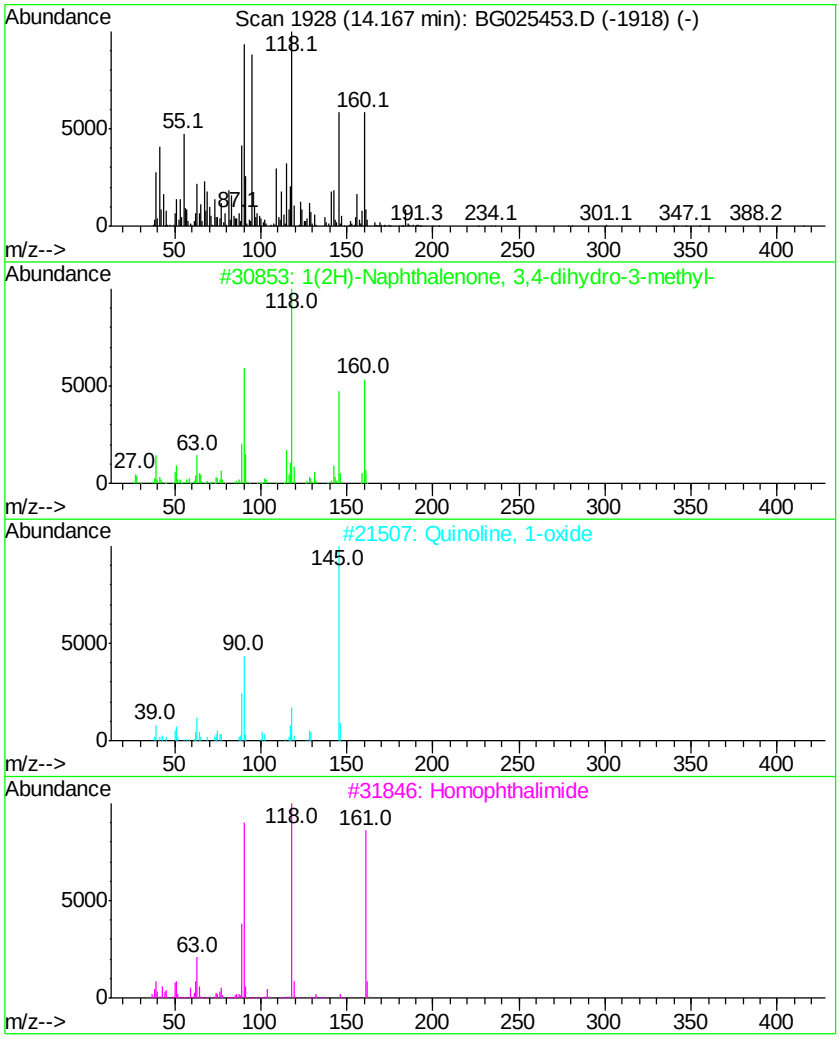
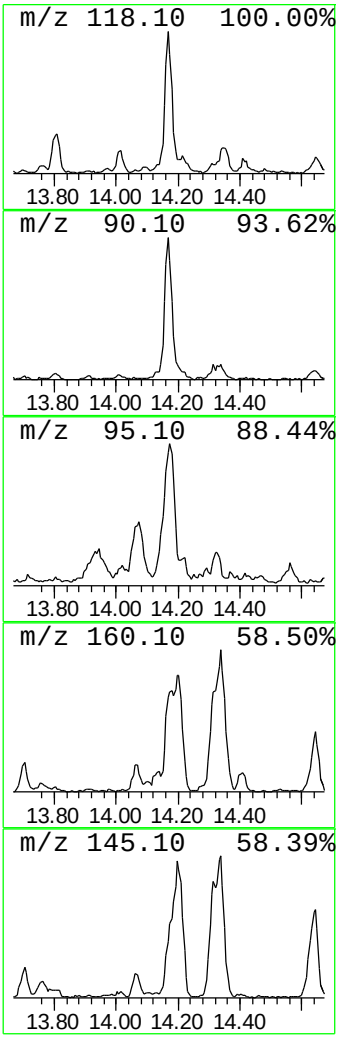
Peak Number 10 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	43.13 ng	4172650	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	70
2	Quinoline, 1-oxide	145	C9H7NO	001613-37-2	58
3	Homophthalimide	161	C9H7NO2	004456-77-3	53
4	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	50
5	Oxazolidin-4-one, 5-benzylideno-...	205	C10H7NO2S	003775-00-6	47





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Acq On : 10 Jan 2017 11:56
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Sample : I1055-01
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Instrument : BNA_G
ClientSampleId : W-12

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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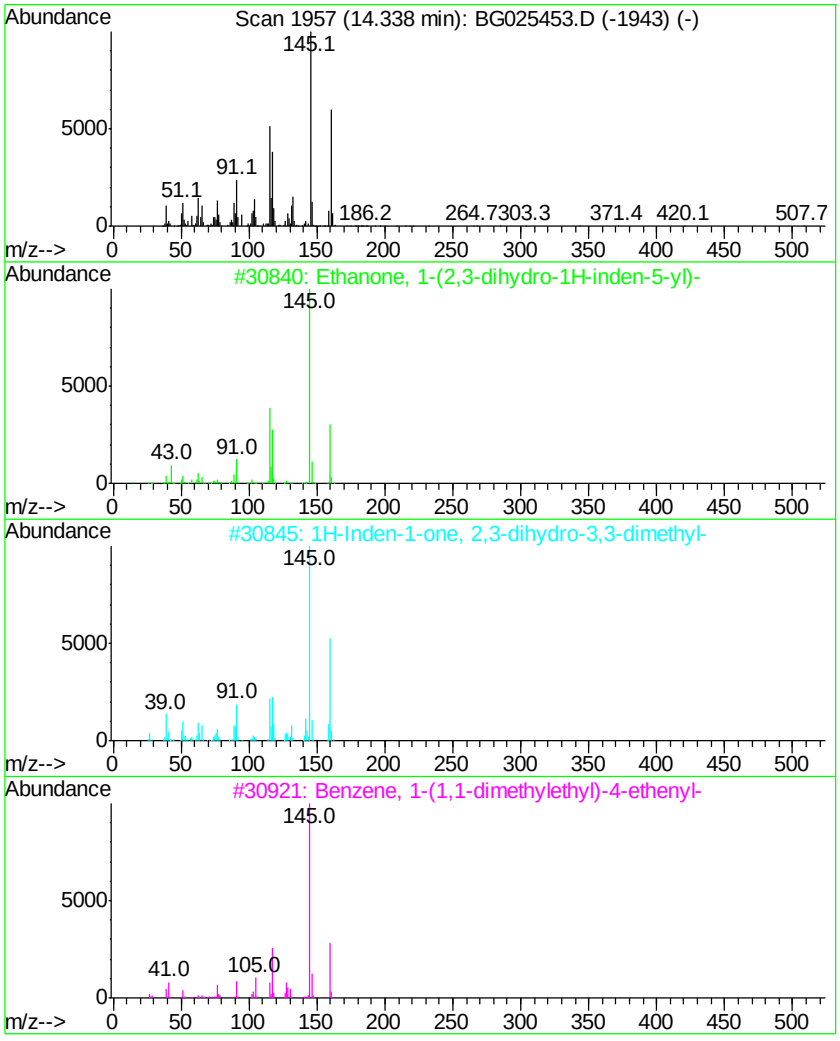
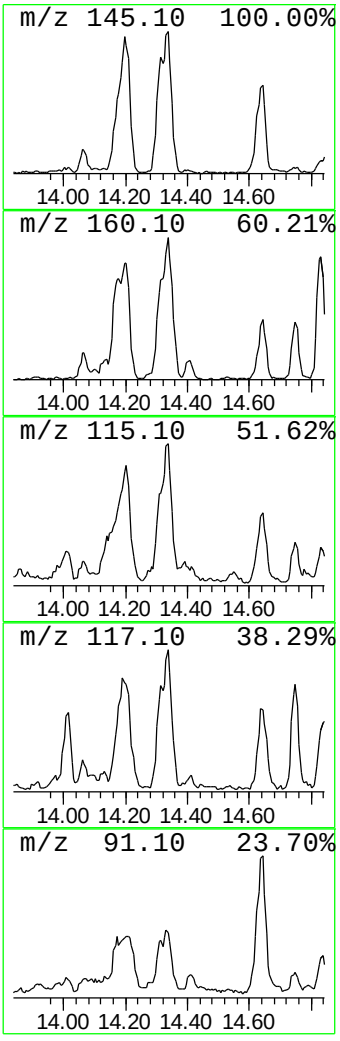
Peak Number 11 Ethanone, 1-(2,3-dihydro-1H... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	30.68 ng	2968180	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	91
2	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	76
3	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	62
4	5-Quinolinol	145	C9H7NO	000578-67-6	55
5	1H-Inden-1-one, 2,3-dihydro-5,7-...	160	C11H12O	006682-69-5	50





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Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId : W-12

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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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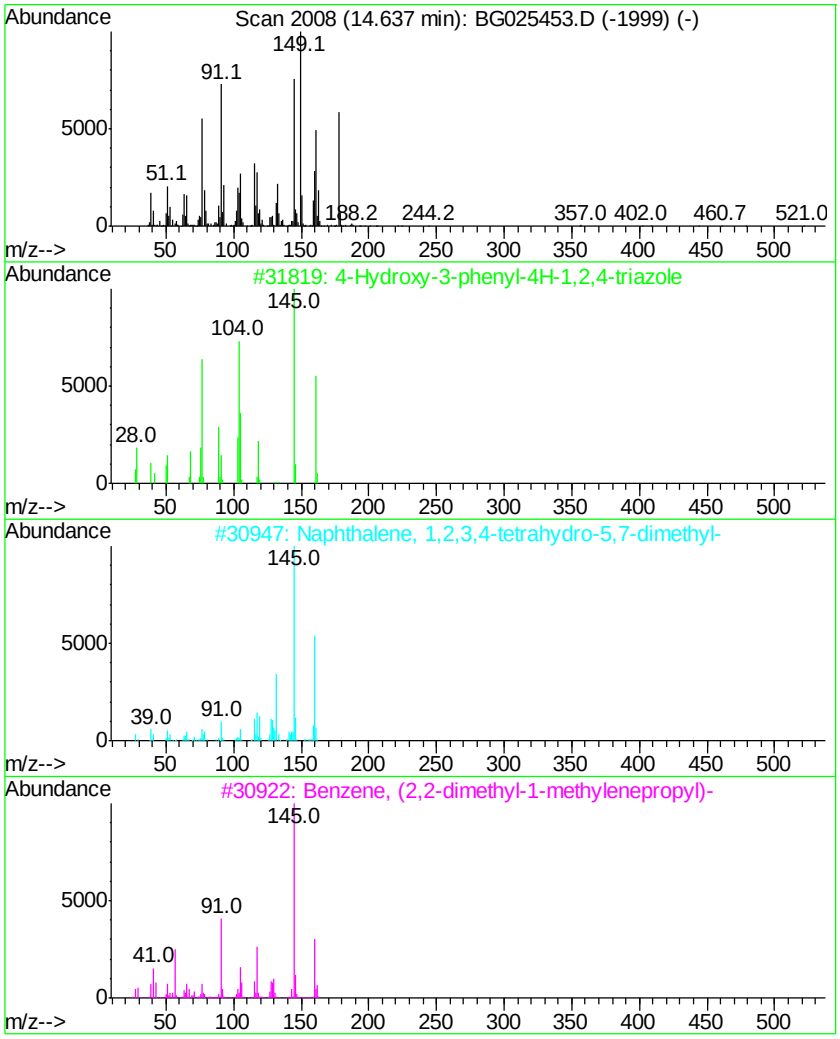
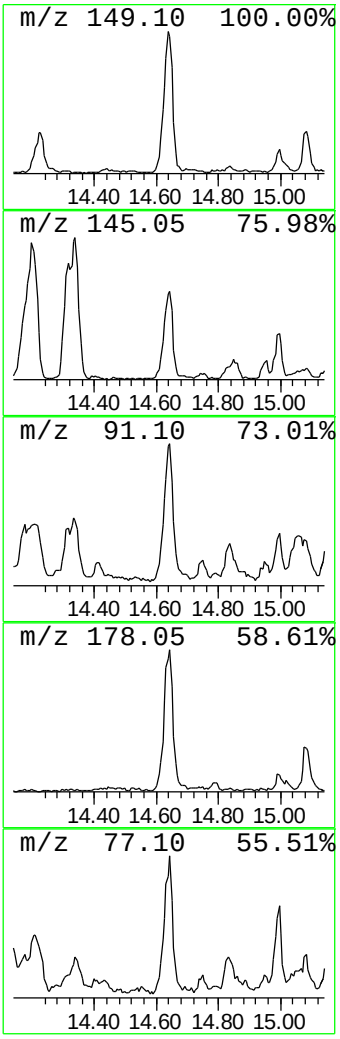
Peak Number 12 unknown14.64 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	32.54 ng	3148030	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3-phenyl-4H-1,2,4-tria...	161	C8H7N3O	031409-47-9	42
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	38
3	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	38
4	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	25
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	22





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Misc :
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Instrument : BNA_G
ClientSampleId : W-12

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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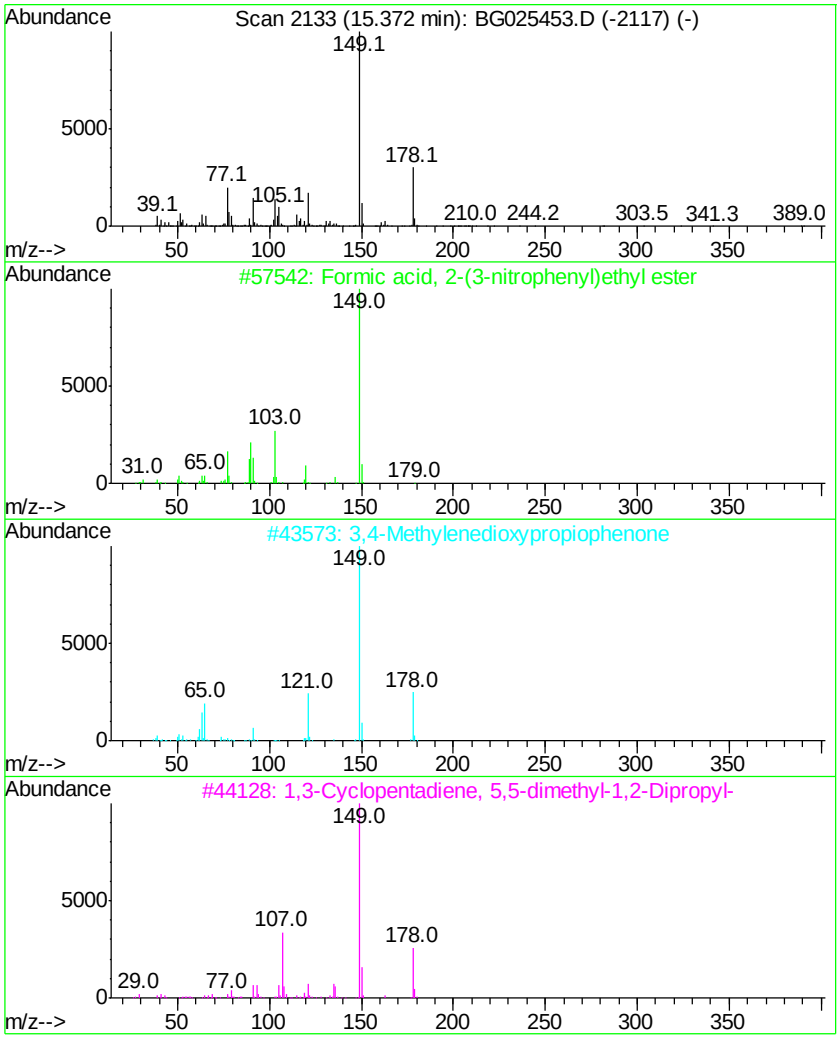
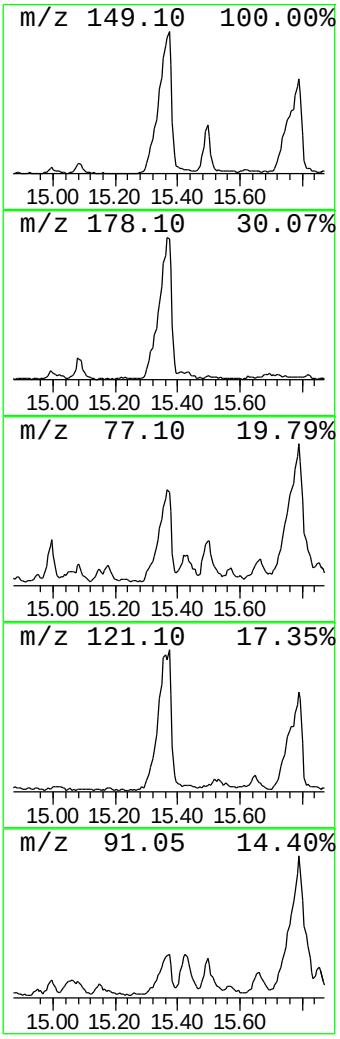
Peak Number 13 Formic acid, 2-(3-nitrophen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	59.80 ng	5786020	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formic acid, 2-(3-nitrophenyl)et...	195	C9H9NO4	1000368-22-2	53
2	3,4-Methylenedioxypropiophenone	178	C10H10O3	028281-49-4	53
3	1,3-Cyclopentadiene, 5,5-dimethy...	178	C13H22	1000163-88-0	52
4	Benzeneethanol, 3-nitro-, acetat...	209	C10H11NO4	068527-46-8	50
5	Benzothiazole, 2-methyl-	149	C8H7NS	000120-75-2	47





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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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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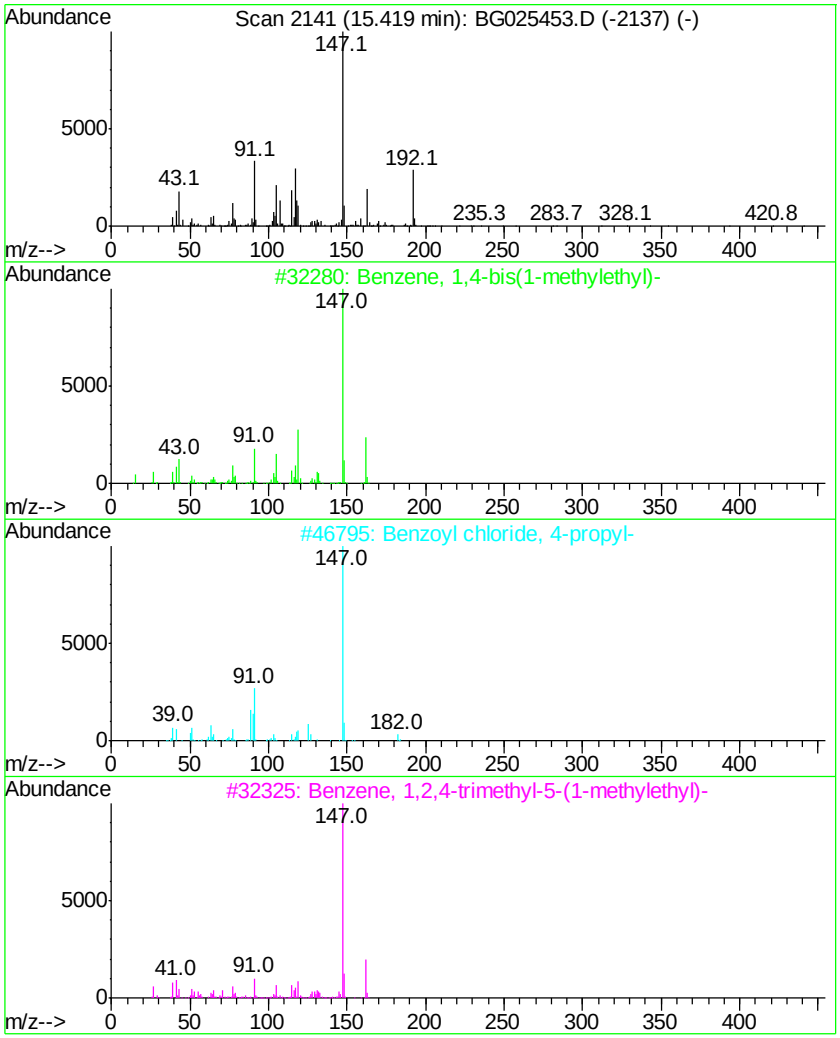
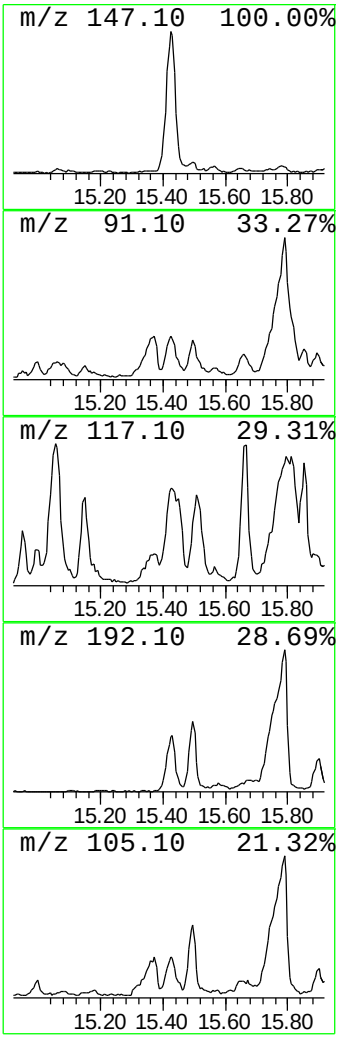
Peak Number 14 unknown15.42 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	30.79 ng	2979210	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	47
2	Benzoyl chloride, 4-propyl-	182	C10H11ClO	052710-27-7	43
3	Benzene, 1,2,4-trimethyl-5-(1-me...	162	C12H18	010222-95-4	43
4	1,3,4,6-Hexanetetrone, 1,6-diphe...	294	C18H14O4	053454-78-7	43
5	(Benzo(b)thien-6-yl)acetic acid	192	C10H8O2S	006177-87-3	43





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Instrument : BNA_G
ClientSampleId : W-12

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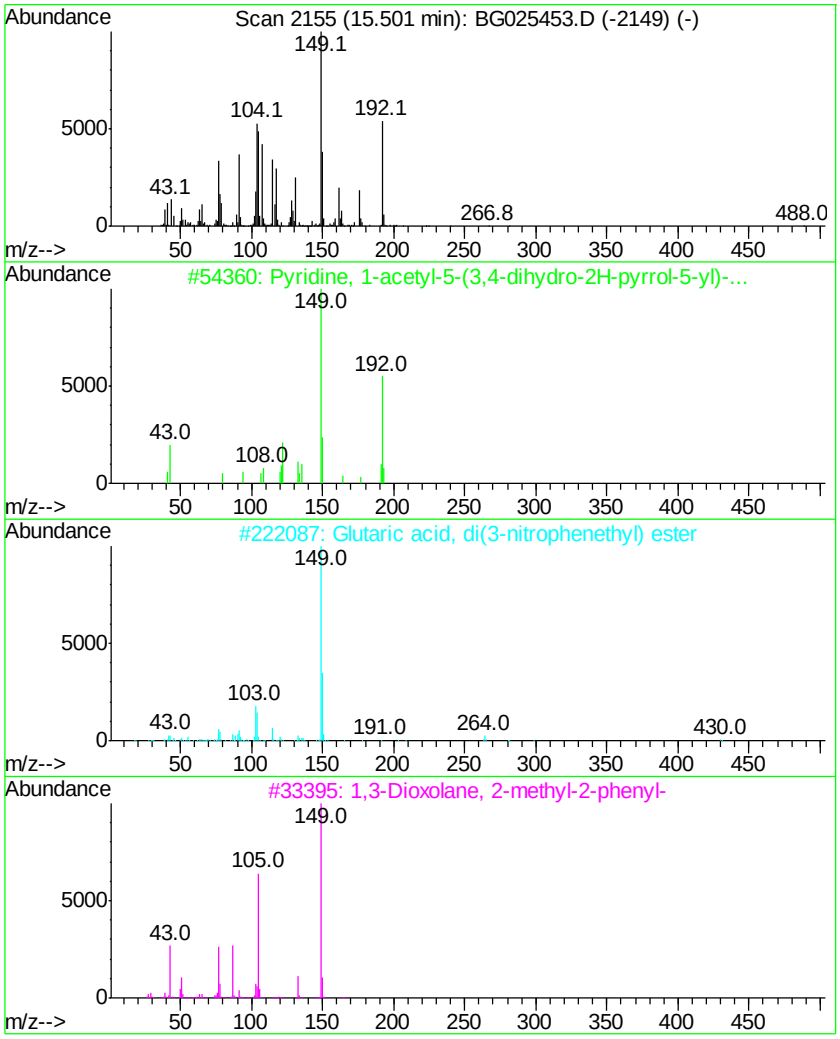
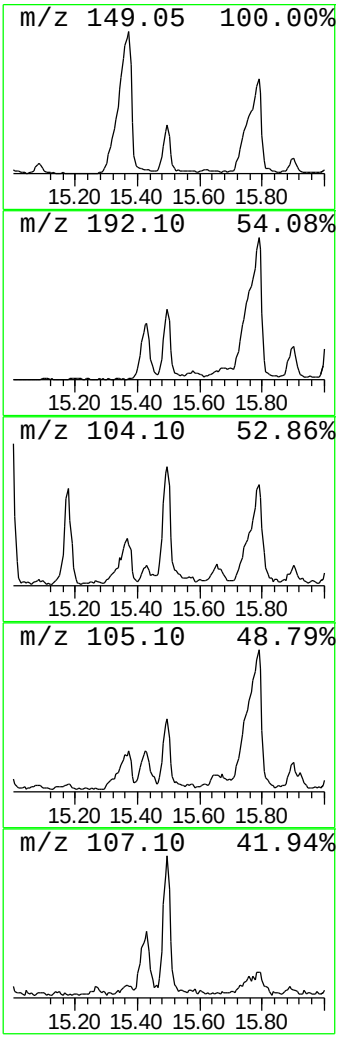
Peak Number 15 unknown15.50 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	32.85 ng	3178240	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 1-acetyl-5-(3,4-dihydr...	192	C11H16N2O	054966-57-3	38
2	Glutaric acid, di(3-nitrophenethh...	430	C21H22N2O8	1000376-75-7	25
3	1,3-Dioxolane, 2-methyl-2-phenyl-	164	C10H12O2	003674-77-9	22
4	Formic acid, (4-methylphenyl)met...	150	C9H10O2	1000368-93-7	20
5	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	16





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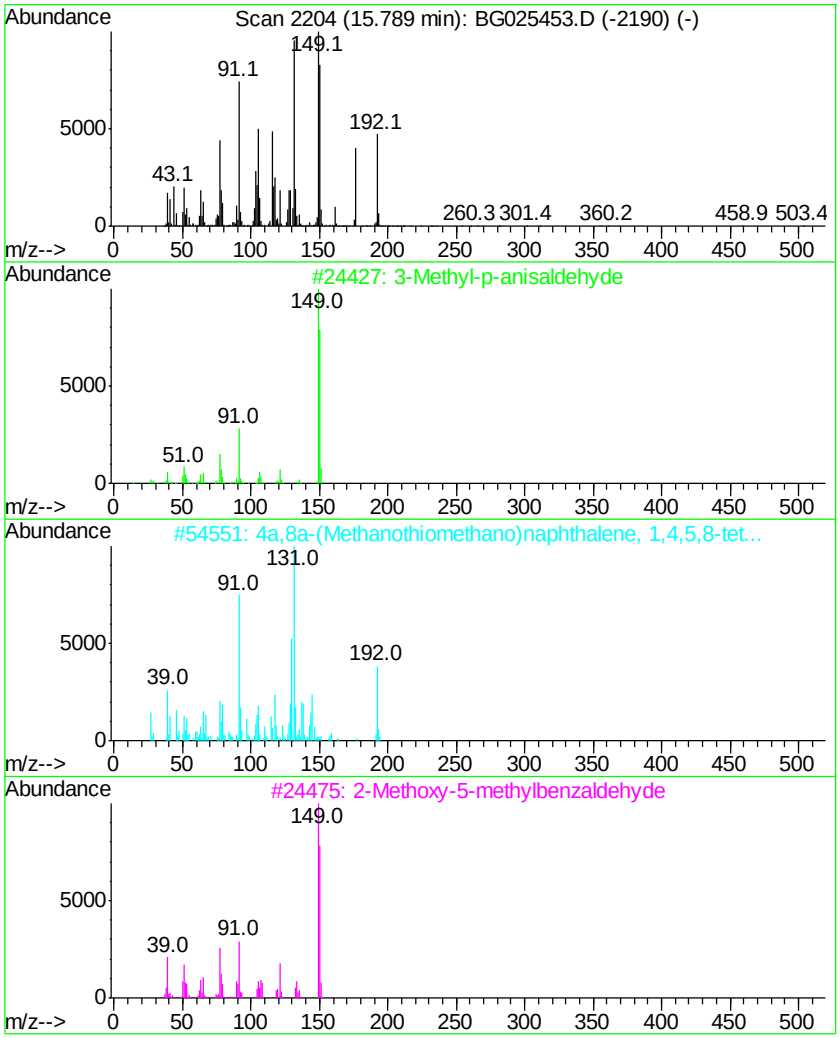
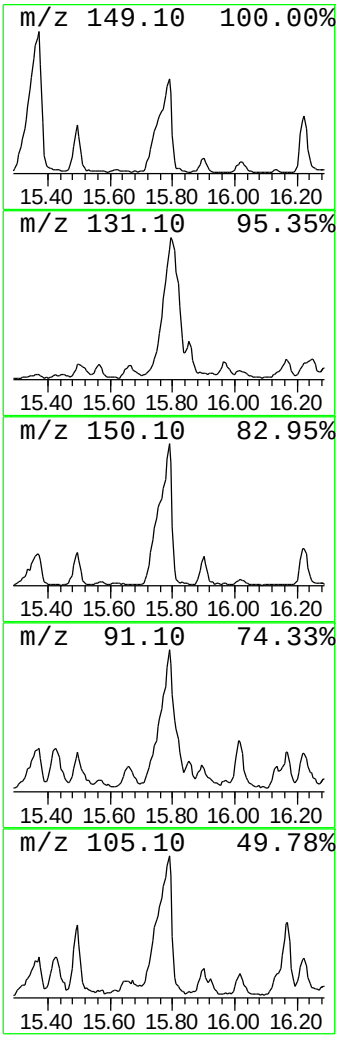
Peak Number 16 3-Methyl-p-anisaldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	164.78 ng	15942800	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	51
2	4a,8a-(Methanothiomethano)naphth...	192	C12H16S	017853-52-0	25
3	2-Methoxy-5-methylbenzaldehyde	150	C9H10O2	007083-19-4	25
4	(Indazol-1-yl)acetic acid	176	C9H8N2O2	1000315-94-2	25
5	Phenylpropanamide	149	C9H11NO	000102-93-2	22





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Instrument : BNA_G
ClientSampleId : W-12

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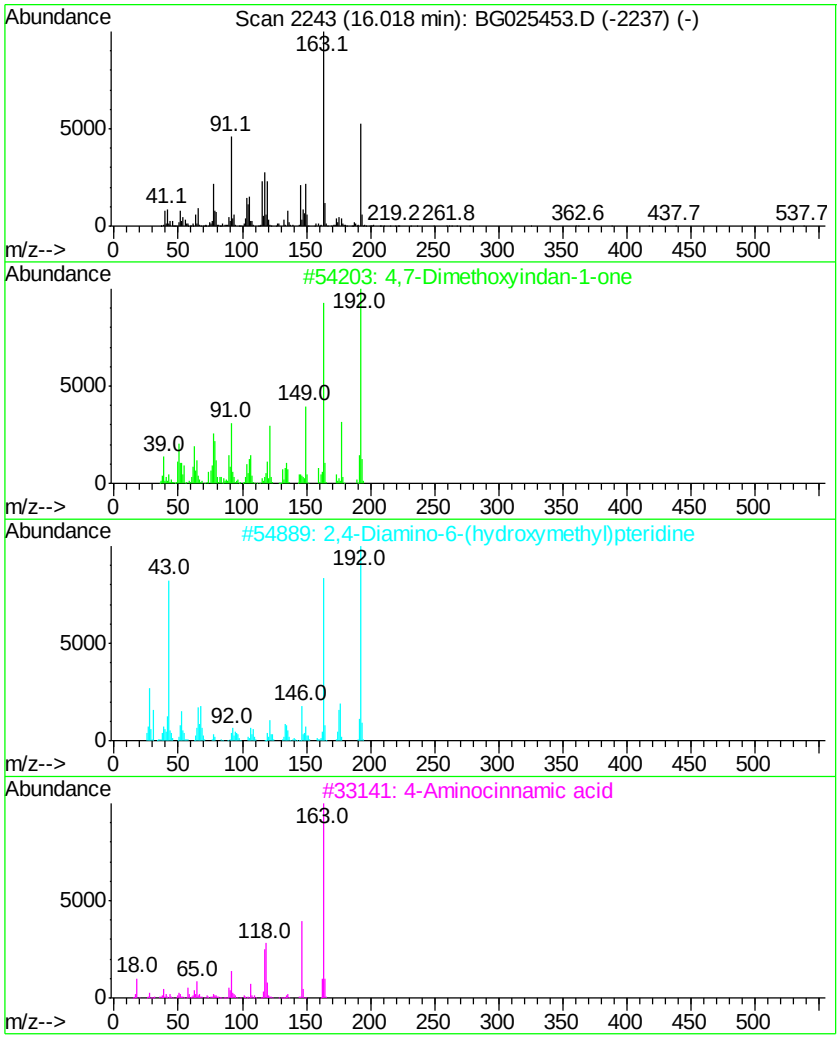
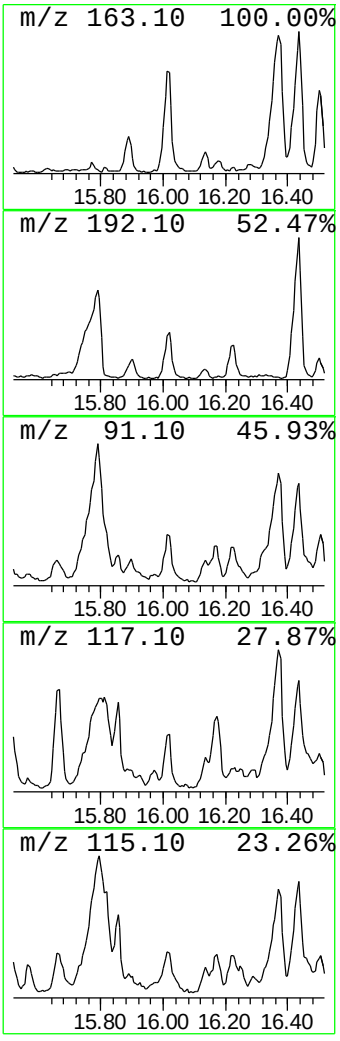
Peak Number 17 unknown16.02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	28.04 ng	2712710	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Dimethoxyindan-1-one	192	C11H12O3	052428-09-8	47
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	38
3	4-Aminocinnamic acid	163	C9H9NO2	002393-18-2	35
4	Benzene-1,4-dicarboxylic acid, m...	194	C9H10N2O3	013188-55-1	35
5	Octadecyltriethoxysilane	416	C24H52O3Si	007399-00-0	27





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Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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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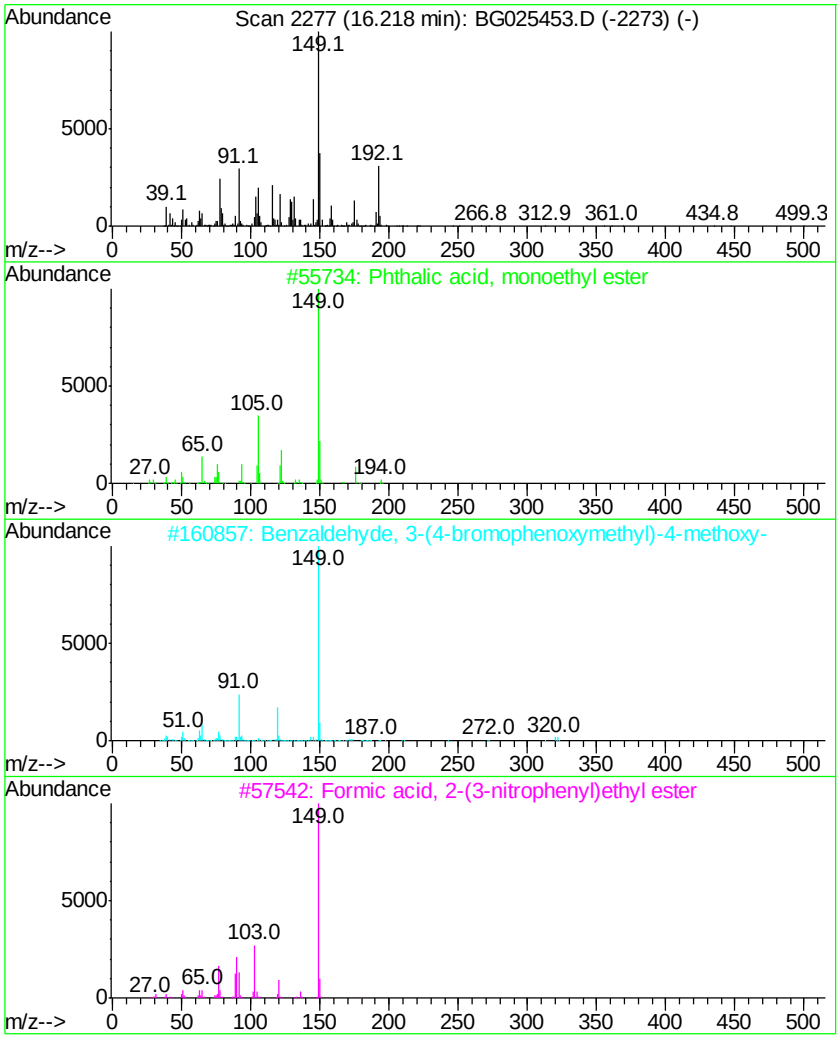
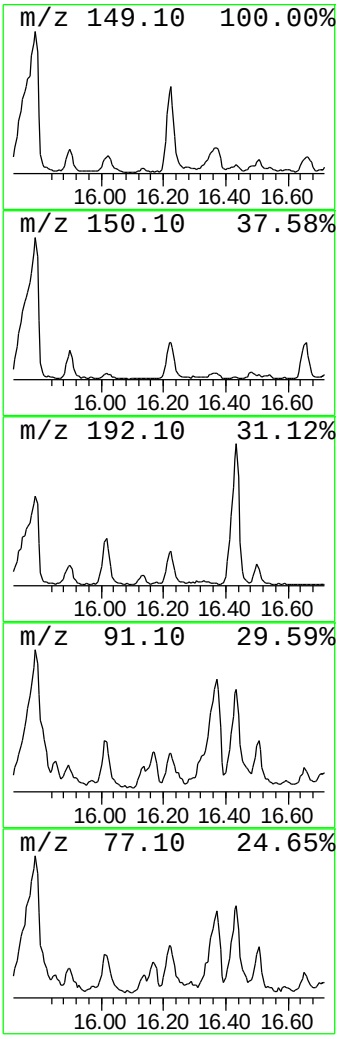
Peak Number 18 unknown16.22 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	31.69 ng	2993700	Phenanthrene-d10	17.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	37
2	Benzaldehyde, 3-(4-bromophenoxym...	320	C15H13BrO3	351365-97-4	35
3	Formic acid, 2-(3-nitrophenyl)et...	195	C9H9NO4	1000368-22-2	35
4	Benzene, 1-isothiocyanato-4-methyl-	149	C8H7NS	000622-59-3	35
5	Benzene, 1-isothiocyanato-2-methyl-	149	C8H7NS	000614-69-7	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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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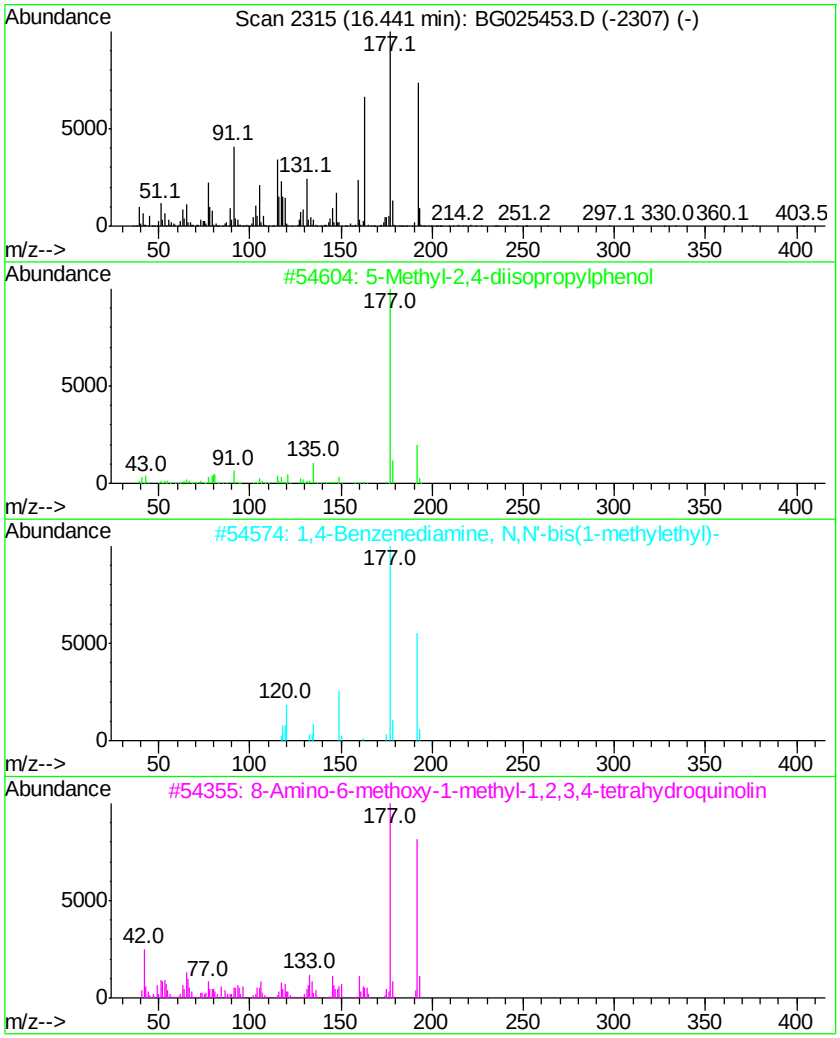
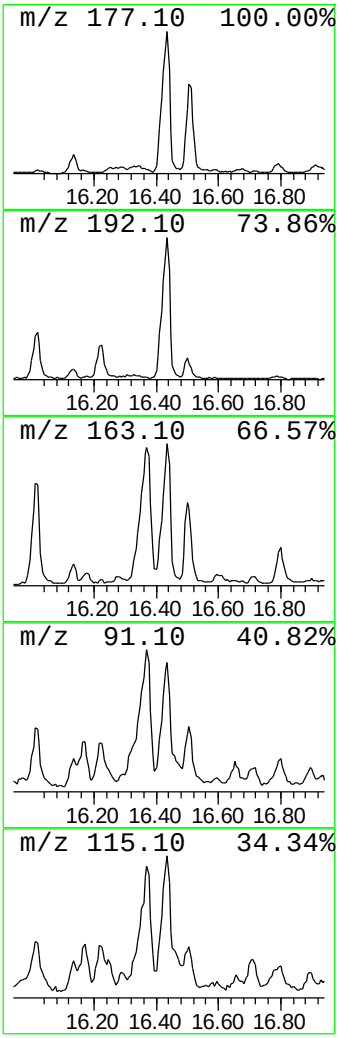
Peak Number 19 5-Methyl-2,4-diisopropylphenol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	80.23 ng	7579220	Phenanthrene-d10	17.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-2,4-diisopropylphenol	192	C13H20O	040625-96-5	53
2	1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	49
3	8-Amino-6-methoxy-1-methyl-1,2,3...	192	C11H16N2O	059353-30-9	49
4	2-Allyl-1,4-dimethoxy-3-methyl-b...	192	C12H16O2	1000187-53-7	46
5	Benzo[c][1,2,5]-thiadiazole, 4,5...	192	C10H12N2S	106148-64-5	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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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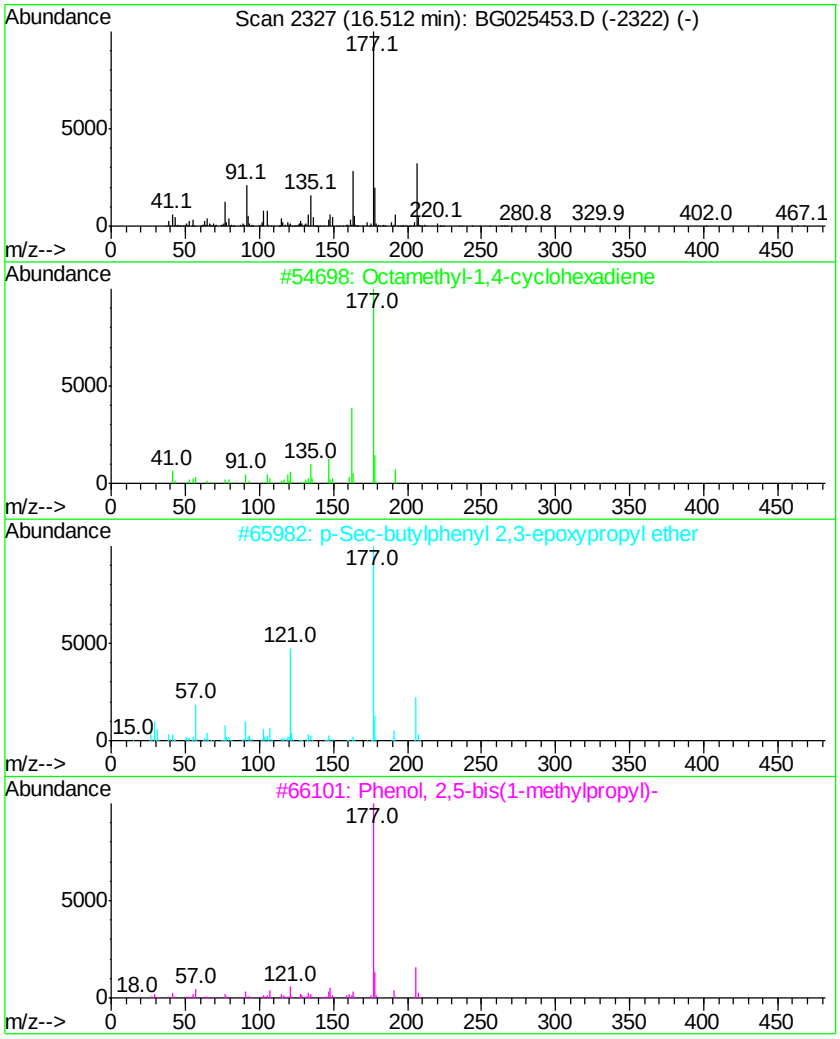
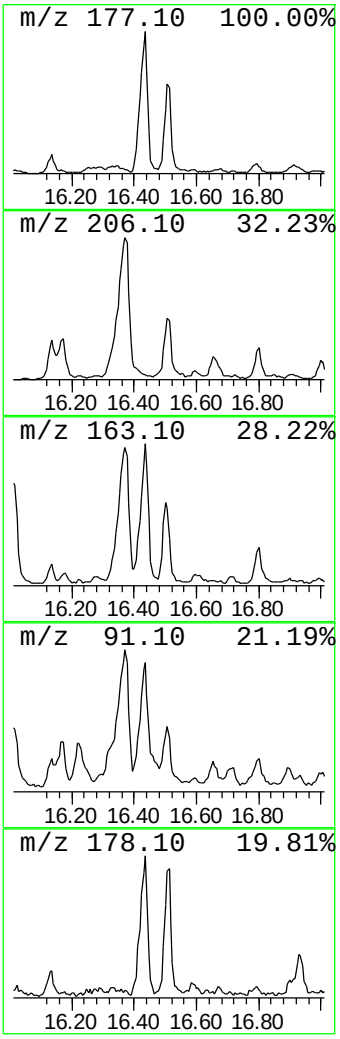
Peak Number 20 Octamethyl-1,4-cyclohexadiene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	25.77 ng	2434780	Phenanthrene-d10	17.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octamethyl-1,4-cyclohexadiene	192	C14H24	172684-93-4	53
2	p-Sec-butylphenyl 2,3-epoxypropy...	206	C13H18O2	067557-76-0	52
3	Phenol, 2,5-bis(1-methylpropyl)-	206	C14H22O	054932-77-3	47
4	Phenol, 2,6-bis(1-methylpropyl)-	206	C14H22O	005510-99-6	47
5	1,3,5,6-Tetramethyladamantane	192	C14H24	034694-70-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011017\
Data File : BG025453.D
Acq On : 10 Jan 2017 11:56
Operator : UM/SJ
Sample : I1055-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-12

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
unknown7.73	7.73	99.0	ng	2055180	1	8.20	415364	20.0
Indane	8.57	38.3	ng	795910	1	8.20	415364	20.0
Benzene, 2-ethyl-...	9.30	38.7	ng	802864	1	8.20	415364	20.0
Benzene, 1-methyl...	10.41	44.2	ng	1757730	2	11.02	795908	20.0
unknown12.72	12.72	26.0	ng	1035230	2	11.02	795908	20.0
Naphthalene, 1-me...	12.89	58.8	ng	2340200	2	11.02	795908	20.0
Benzene, (1-ethyl...	13.30	30.3	ng	2930160	3	14.83	1934990	20.0
6,6-Dimethylhepta...	13.94	27.2	ng	2628910	3	14.83	1934990	20.0
1(2H)-Naphthaleno...	14.17	43.1	ng	4172650	3	14.83	1934990	20.0
Ethanone, 1-(2,3-...	14.34	30.7	ng	2968180	3	14.83	1934990	20.0
unknown14.64	14.64	32.5	ng	3148030	3	14.83	1934990	20.0
Formic acid, 2-(3...	15.37	59.8	ng	5786020	3	14.83	1934990	20.0
unknown15.42	15.42	30.8	ng	2979210	3	14.83	1934990	20.0
unknown15.50	15.50	32.9	ng	3178240	3	14.83	1934990	20.0
3-Methyl-p-anisal...	15.79	164.8	ng	15942800	3	14.83	1934990	20.0
unknown16.02	16.02	28.0	ng	2712710	3	14.83	1934990	20.0
unknown16.22	16.22	31.7	ng	2993700	4	17.57	1889330	20.0
5-Methyl-2,4-diis...	16.44	80.2	ng	7579220	4	17.57	1889330	20.0
Octamethyl-1,4-cy...	16.51	25.8	ng	2434780	4	17.57	1889330	20.0