LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

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-BG080116.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	5.187	392	400	411	rBV	302542	512723	1.29%	0.182%
2	5.663	473	481	490	rBV	1262765	2116529	5.33%	0.751%
3	5.751	490	496	510	rVB	607035	1033163	2.60%	0.367%
4	7.273	745	755	764	rBV2	987865	2546320	6.41%	0.904%
5	7.649	812	819	831	rBV	2135909	3859375	9.71%	1.370%
6	7.760	831	838	848	rVB	3410874	5780736	14.55%	2.052%
7	8.118	893	899	906	rBV	547072	973982	2.45%	0.346%
8	8.236	911	919	927	rVB	2278975	4093807	10.30%	1.454%
9	8.371	933	942	948	rBV2	218400	562199	1.42%	0.200%
10	8.447	948	955	960	rVV	1828670	3365133	8.47%	1.195%
11	8.494	960	963	970	rVB	666618	1085833	2.73%	0.386%
12	8.606	975	982	987	rVB2	249209	442881	1.11%	0.157%
13	8.818	1013	1018	1027	rVB4	239206	541638	1.36%	0.192%
14	9.076	1055	1062	1066	rVV2	655995	1180911	2.97%	0.419%
15	9.129	1066	1071	1080	rVV	788682	1623921	4.09%	0.577%
16	9.229	1083	1088	1094	rVV2	947260	1695853	4.27%	0.602%
17	9.299	1094	1100	1115	rVB3	1966695	4479926	11.28%	1.591%
18	9.564	1139	1145	1155	rVB3	966566	1892883	4.76%	0.672%
19	9.757	1173	1178	1183	rVB	566770	866501	2.18%	0.308%
20	9.816	1183	1188	1195	rBV	1129078	1869404	4.71%	0.664%
21	9.992	1205	1218	1229	rVB9	460785	1471763	3.70%	0.523%
22	10.128	1235	1241	1247	rBV7	269859	684586	1.72%	0.243%
23	10.345	1265	1278	1284	rBV2	2974252	5820849	14.65%	2.067%
24	10.404	1284	1288	1295	rVB2	294021	505254	1.27%	0.179%
25	10.492	1297	1303	1306	rBV	258741	480302	1.21%	0.171%
26	10.686	1331	1336	1341	rVB4	182835	434458	1.09%	0.154%
27	10.791	1349	1354	1363	rBV5	249156	607003	1.53%	0.216%
28	10.950	1372	1381	1386	rBV2	736292	1910750	4.81%	0.678%
29	10.997	1386	1389	1395	rVB3	637881	1127026	2.84%	0.400%
30	11.062	1395	1400	1402	rBV	280841	454526	1.14%	0.161%
31	11.097	1402	1406	1410	rBV2	433563	776005	1.95%	0.276%
32	11.314	1438	1443	1447	rBV	254909	406307	1.02%	0.144%
33	11.420	1454	1461	1468	rVB5	471499	1293951	3.26%	0.459%
34	11.490	1468	1473	1477	rBV	299606	550274	1.39%	0.195%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

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-BG080116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.543	1477	1482	1491	rVV6	554051	1374648	3.46%	0.488%
36	11.719	1507	1512	1518	rBV4	237522	441869	1.11%	0.157%
37	11.837	1526	1532	1541	rVB9	394187	1097477	2.76%	0.390%
38	12.031	1560	1565	1575	rVB2	478295	1152527	2.90%	0.409%
39	12.142	1579	1584	1589	rBV5	303370	546941	1.38%	0.194%
40	12.207	1591	1595	1599	rVB	317910	547262	1.38%	0.194%
41	12.295	1607	1610	1614	rVB	315179	423387	1.07%	0.150%
42	12.442	1624	1635	1641	rBV8	723875	2245763	5.65%	0.797%
43	12.612	1658	1664	1671	rVB	4374655	7614797	19.17%	2.704%
44	12.736	1680	1685	1692	rVB9	396365	996271	2.51%	0.354%
45	12.830	1692	1701	1710	rVB	4022220	7422335	18.68%	2.635%
46	12.941	1710	1720	1721	rBV7	1153148	2846360	7.16%	1.011%
47	13.076	1740	1743	1747	rVB	2123088	2793601	7.03%	0.992%
48	13.123	1747	1751	1754	rBV4	308201	550009	1.38%	0.195%
49	13.288	1773	1779	1787	rVB4	1416738	2834403	7.13%	1.006%
50	13.400	1787	1798	1805	rVB	5103237	9083913	22.87%	3.225%
51	13.529	1815	1820	1822	rBV4	325654	541256	1.36%	0.192%
52	13.699	1844	1849	1854	rBV7	315533	654431	1.65%	0.232%
53	13.811	1854	1868	1869	rBV3	4524284	12729092	32.04%	4.519%
54	13.881	1878	1880	1884	rVB3	594001	701547	1.77%	0.249%
55	13.958	1885	1893	1901	rVV5	916487	2830143	7.12%	1.005%
56	14.063	1904	1911	1914	rVV4	1887461	4870874	12.26%	1.729%
57	14.104	1915	1918	1923	rVV4	2477677	5636325	14.19%	2.001%
58	14.157	1924	1927	1932	rVV	1885423	2955761	7.44%	1.049%
59	14.210	1933	1936	1944	rVB6	792446	1541499	3.88%	0.547%
60	14.275	1944	1947	1951	rBV6	293158	431822	1.09%	0.153%
61	14.339	1951	1958	1974	rBV5	1500061	5373353	13.53%	1.908%
62	14.715	2001	2022	2029	rBV2	8771887	39728272	100.00%	14.105%
63	14.786	2029	2034	2044	rVB2	5114970	8917192	22.45%	3.166%
64	14.874	2045	2049	2055	rBV	1178802	1570160	3.95%	0.557%
65	14.933	2055	2059	2064	rVB4	767422	1386846	3.49%	0.492%
66	14.997	2064	2070	2075	rBV2	2194020	4411060	11.10%	1.566%
67	15.127	2086	2092	2096	rVB	2460946	3970104	9.99%	1.410%
68	15.174	2097	2100	2105	rVB4	762827	1175597	2.96%	0.417%
69	15.326	2120	2126	2130	rBV2	1438463	3030657	7.63%	1.076%
70	15.479	2145	2152	2159	rVB6	1444096	3671572	9.24%	1.304%
71	15.567	2161	2167	2175	rVV3	2226257	4654823	11.72%	1.653%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

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-BG080116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.638	2175	2179	2186	rVB2	2102121	3429375	8.63%	1.218%
73	15.779	2192	2203	2207	rBV2	4987832	14216903	35.79%	5.048%
74	15.937	2226	2230	2236	rBV6	1099203	1975277	4.97%	0.701%
75	16.102	2253	2258	2263	rBV2	1085067	1950310	4.91%	0.692%
76	16.196	2271	2274	2280	rVB4	539434	721946	1.82%	0.256%
77	16.284	2280	2289	2295	rVB	4436502	7325150	18.44%	2.601%
78	16.348	2296	2300	2308	rBV2	549244	1150904	2.90%	0.409%
79	16.478	2318	2322	2330	rVB	1251294	1675107	4.22%	0.595%
80	16.572	2331	2338	2346	rVB2	3190001	7809910	19.66%	2.773%
81	17.147	2432	2436	2440	rVB3	645185	927411	2.33%	0.329%
82	17.330	2463	2467	2473	rVB8	644940	1022542	2.57%	0.363%
83	17.394	2475	2478	2483	rVB4	461764	742703	1.87%	0.264%
84	17.547	2499	2504	2515	rBV3	2274924	6651523	16.74%	2.362%
85	18.058	2587	2591	2595	rBV	936324	1542689	3.88%	0.548%
86	18.134	2601	2604	2608	rVB3	564055	753760	1.90%	0.268%
87	18.340	2635	2639	2649	rVB4	1086989	1987564	5.00%	0.706%
88	18.698	2696	2700	2704	rBV2	671179	1002961	2.52%	0.356%
89	18.763	2707	2711	2718	rVB	1161528	1792205	4.51%	0.636%
90	18.992	2746	2750	2754	rVB	562528	745171	1.88%	0.265%
91	19.368	2811	2814	2820	rVB	508410	673866	1.70%	0.239%
92	20.155	2942	2948	2953	rBV	6267099	8315360	20.93%	2.952%
93	21.859	3232	3238	3248	rVB2	1601050	2751678	6.93%	0.977%
94	25.236	3804	3813	3825	rVB2	883199	2686516	6.76%	0.954%

Sum of corrected areas: 281651552

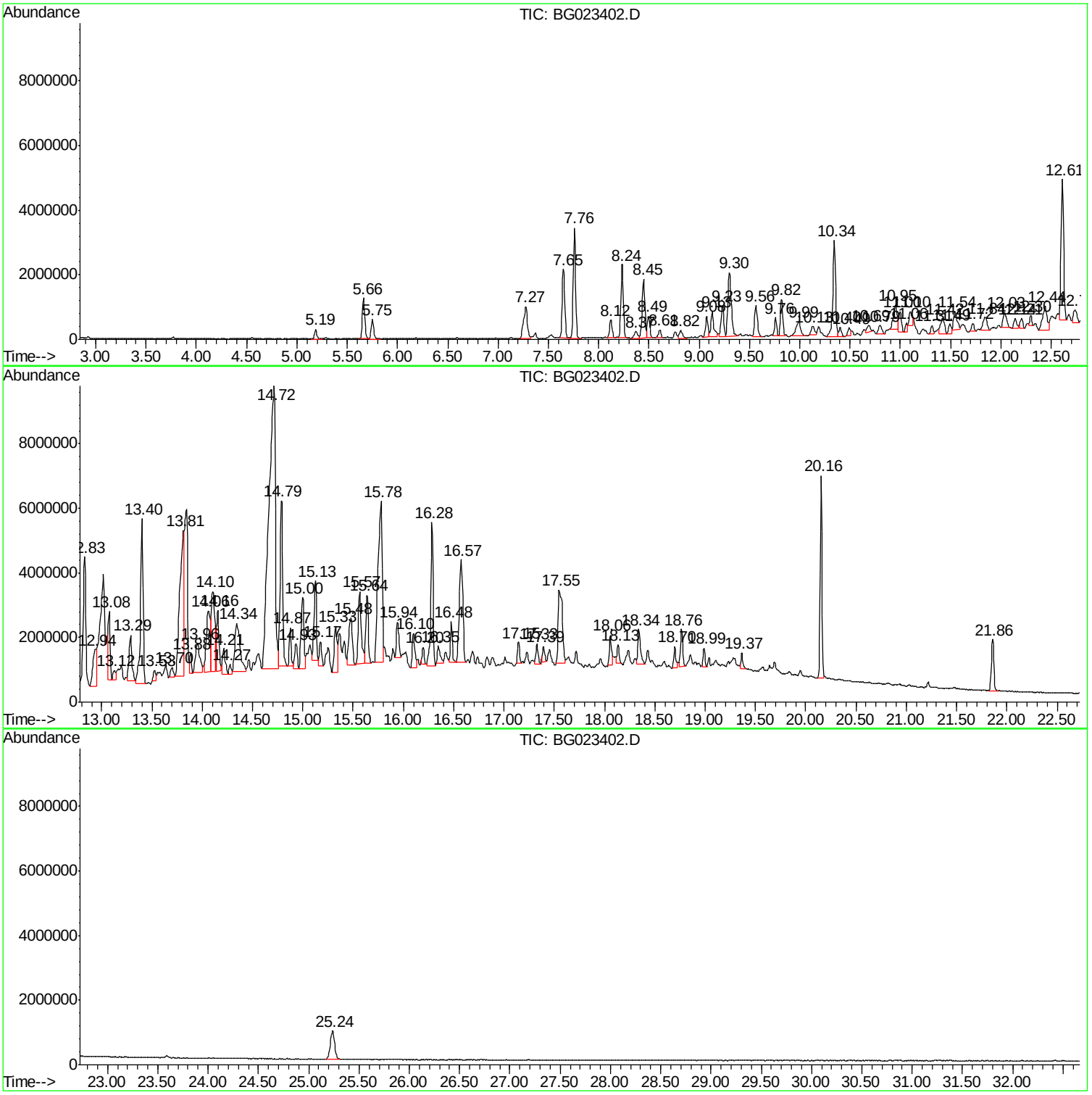
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

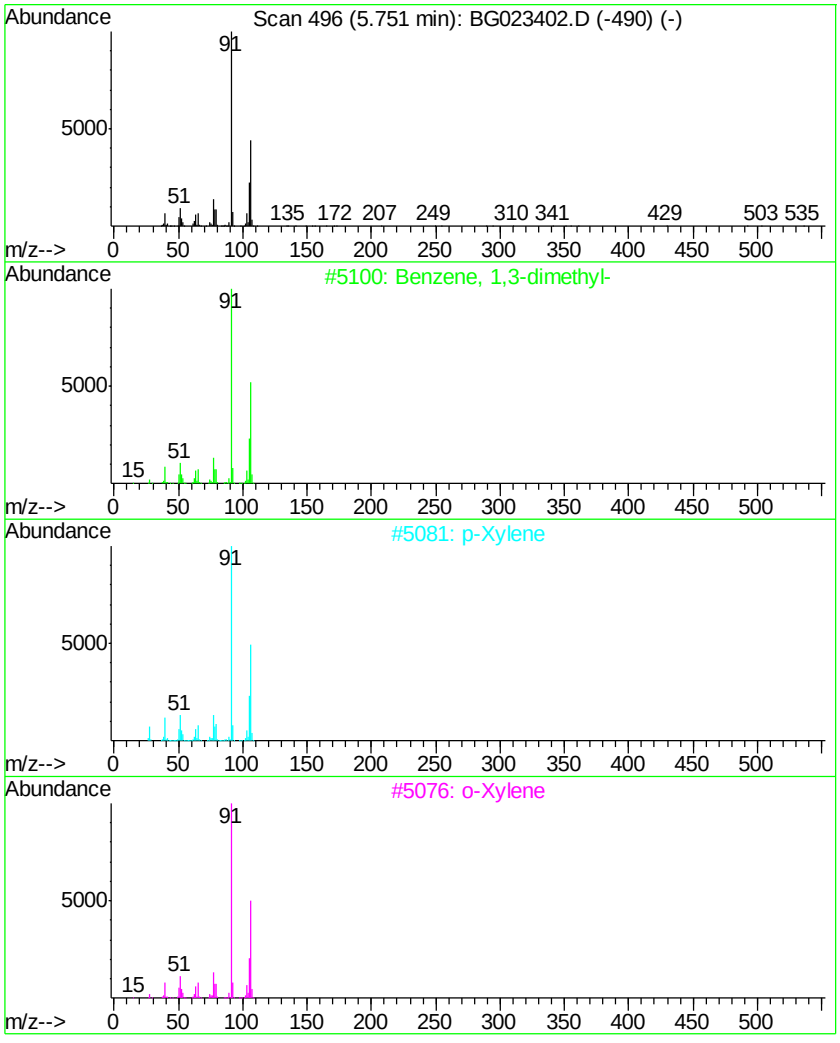
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

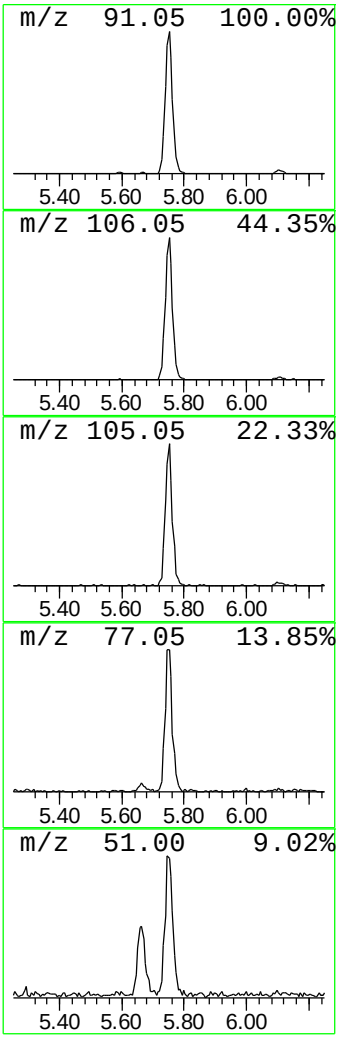
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.75	21.22 ng	1033160	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	90
4	Ethylbenzene	106	C8H10	000100-41-4	74
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

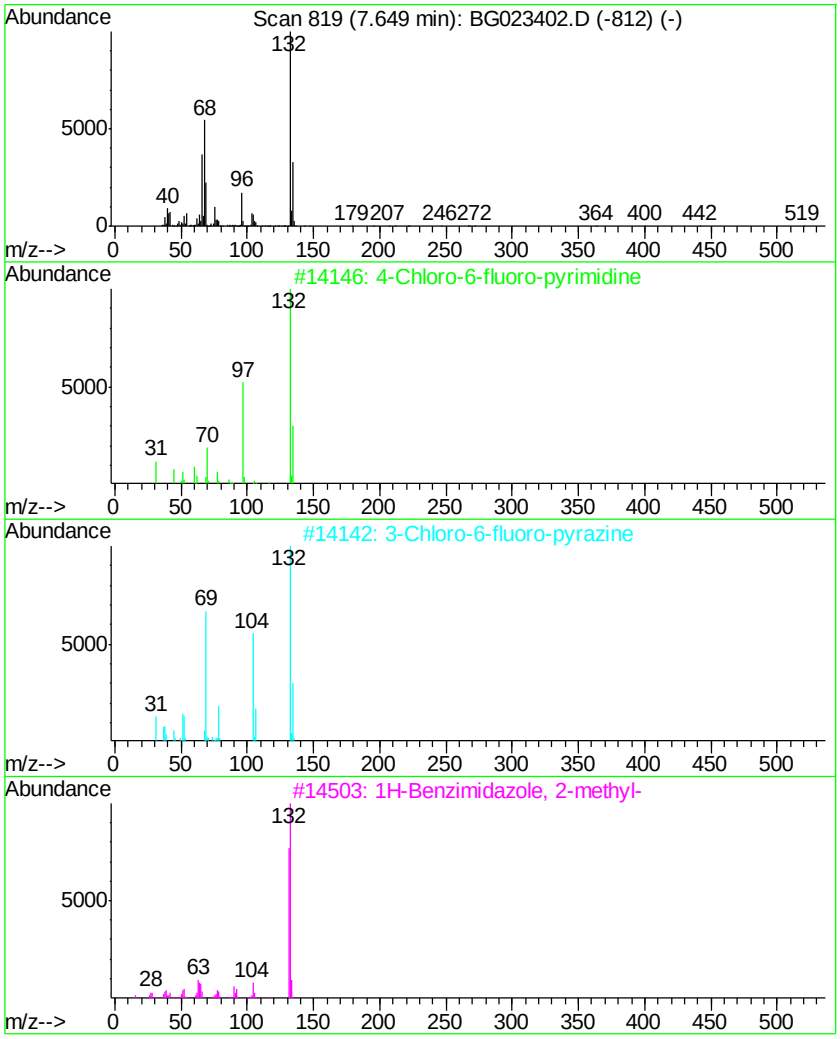
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

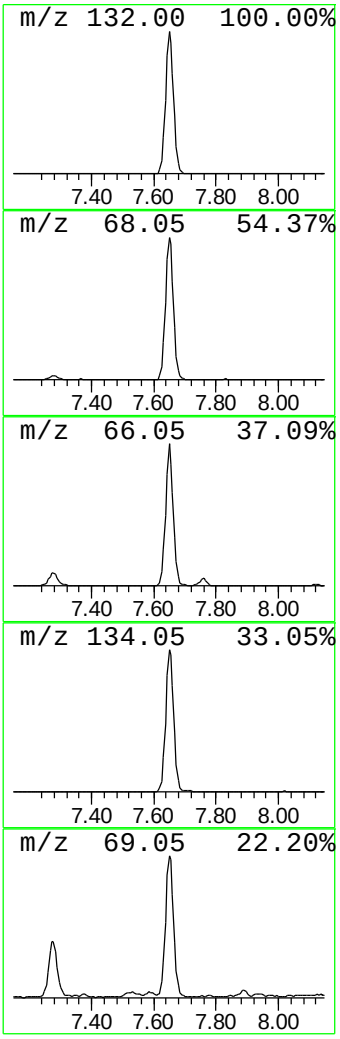
****

Peak Number 2 unknown7.65 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	79.25 ng	3859380	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

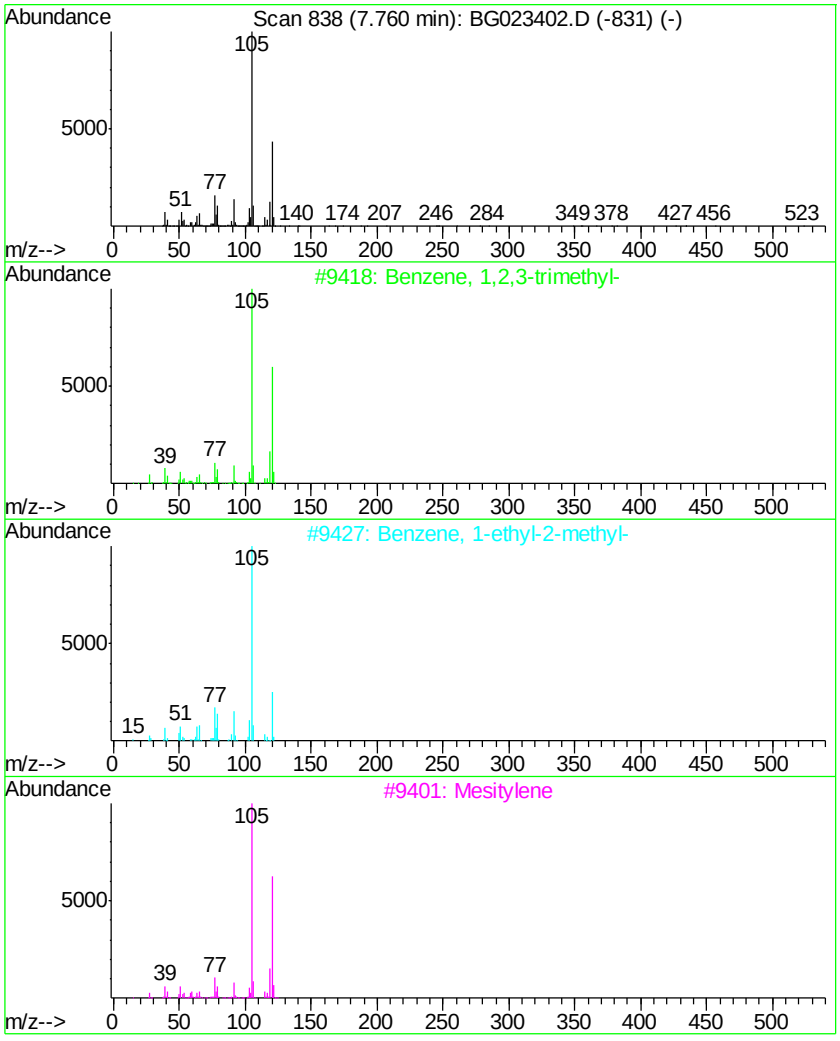
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

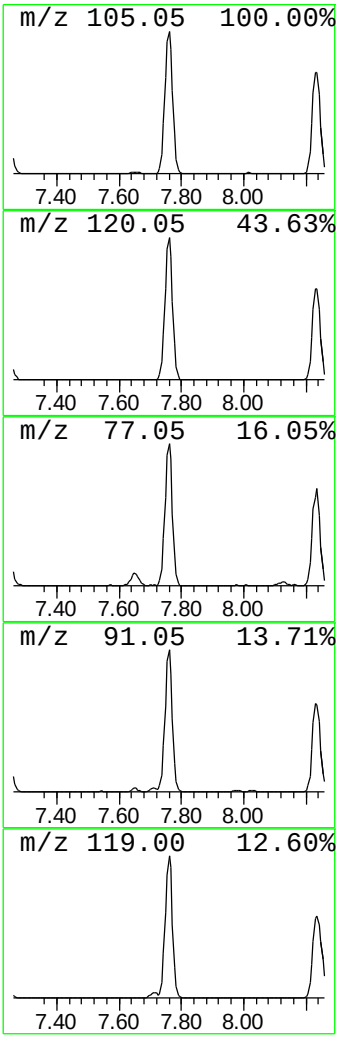
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	118.70 ng	5780740	1,4-Dichlorobenzene-d4	8.12

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

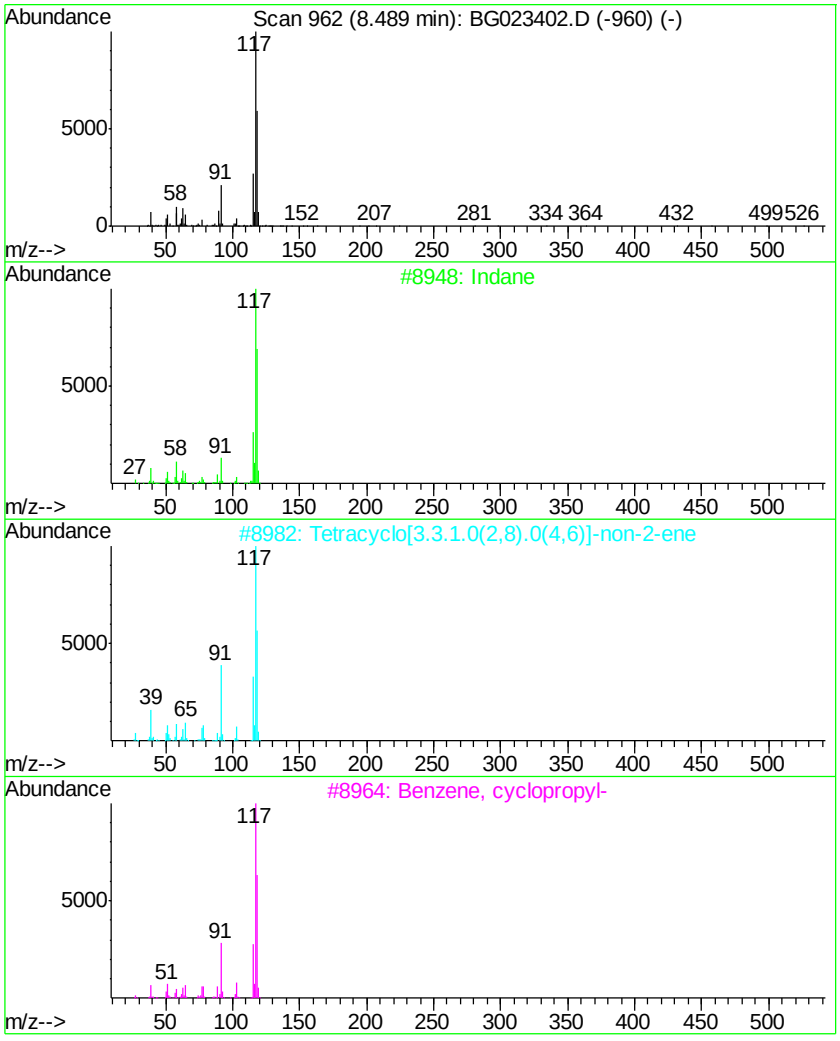
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

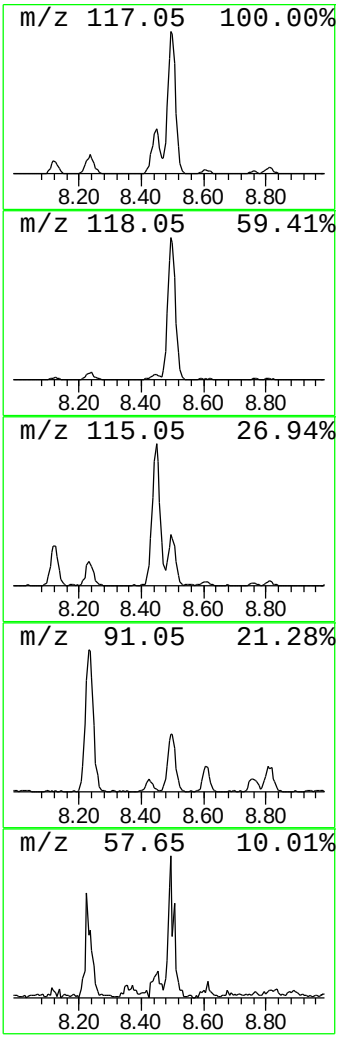
****

Peak Number 6 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	22.30 ng	1085830	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68
4	Deltacyclene	118	C9H10	007785-10-6	68
5	Benzene, [(3-phenyl-2-propenyl)t...	226	C15H14S	010276-14-9	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

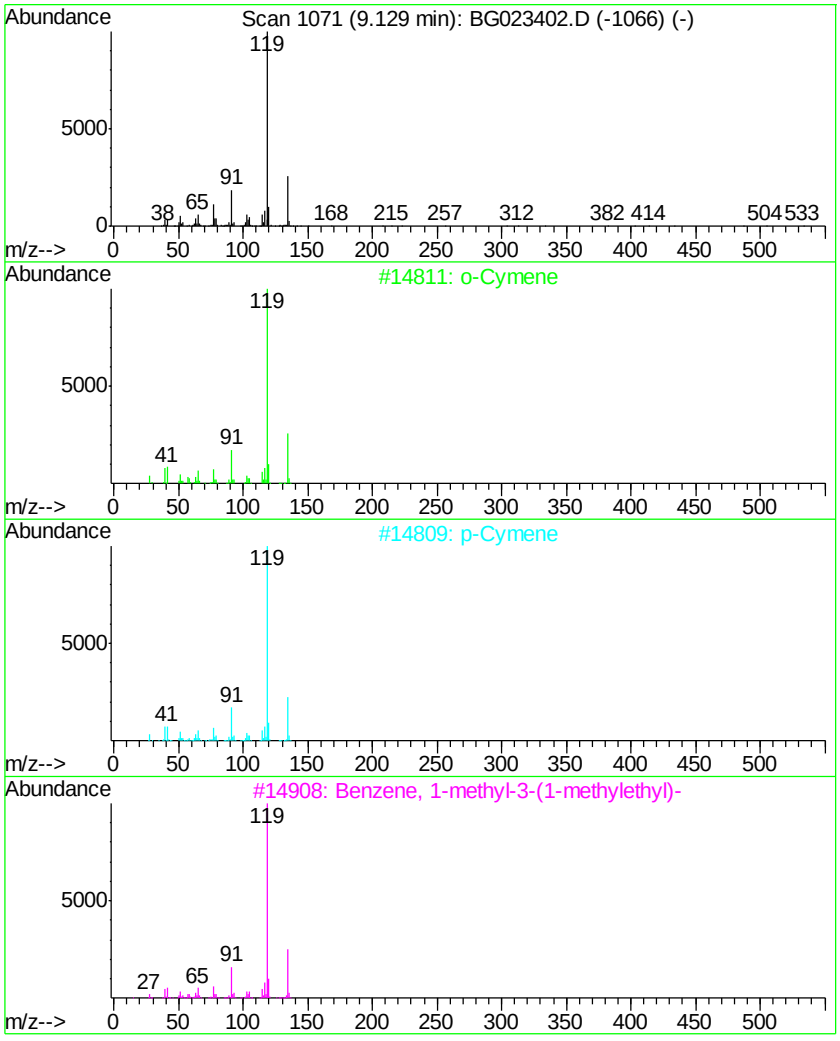
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

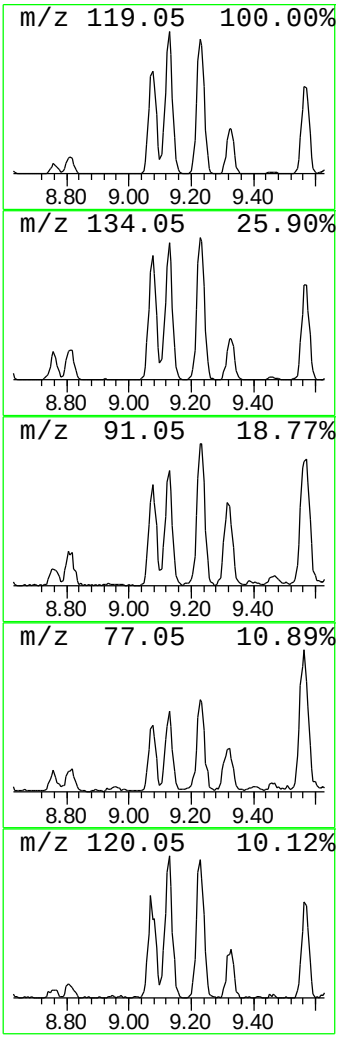
****

Peak Number 8 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	33.35 ng	1623920	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

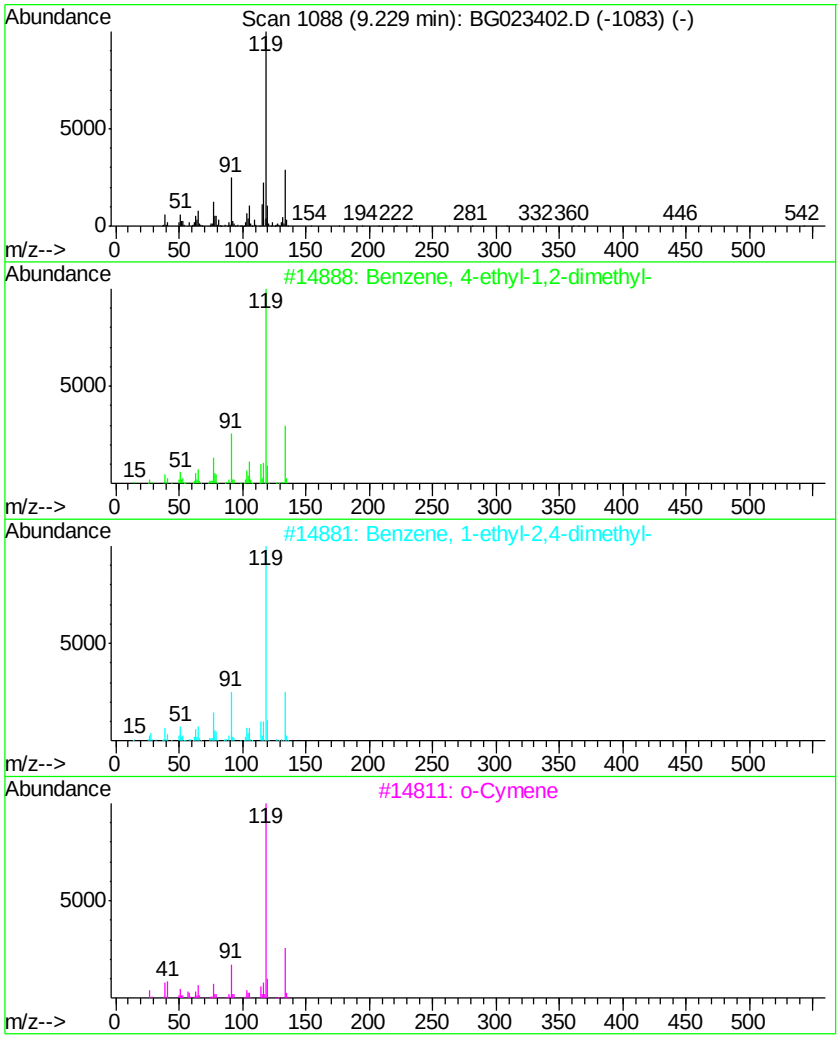
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

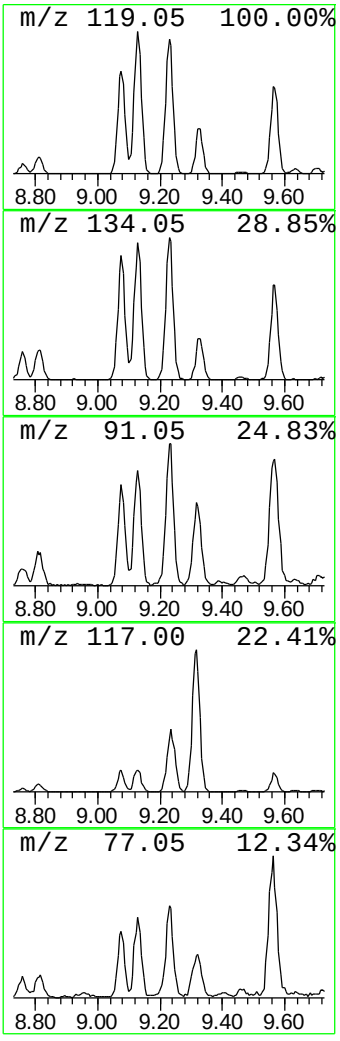
****

Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	34.82 ng	1695850	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

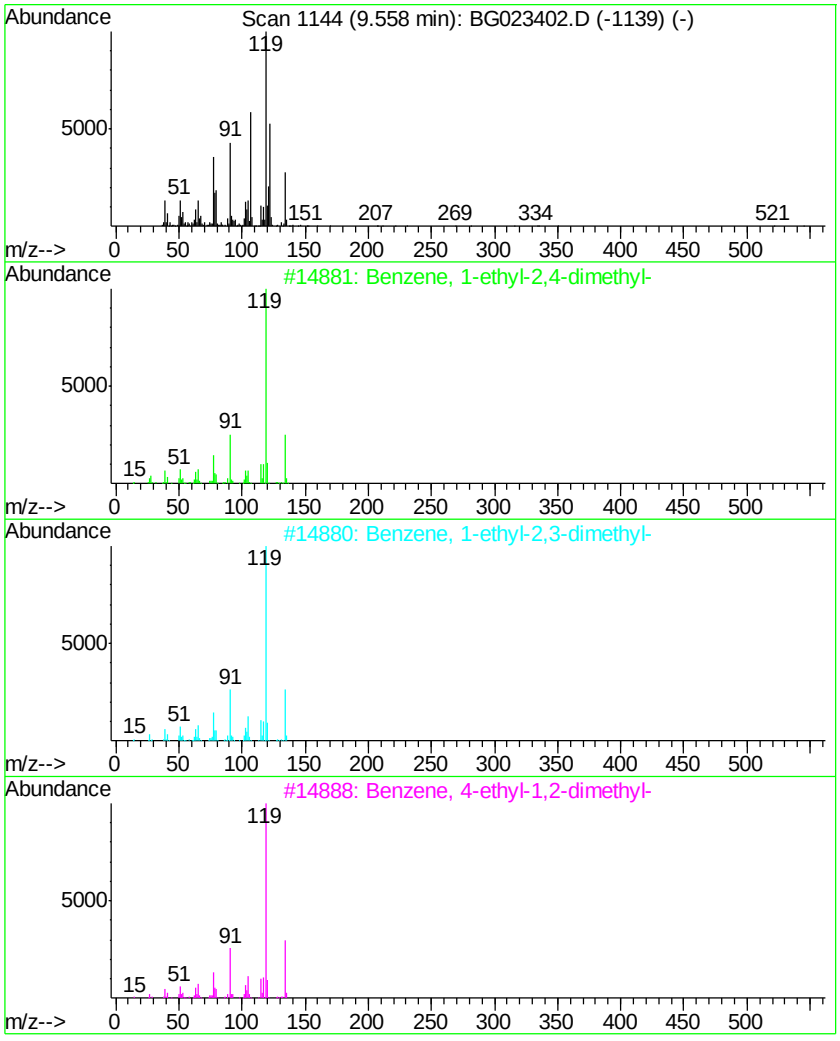
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

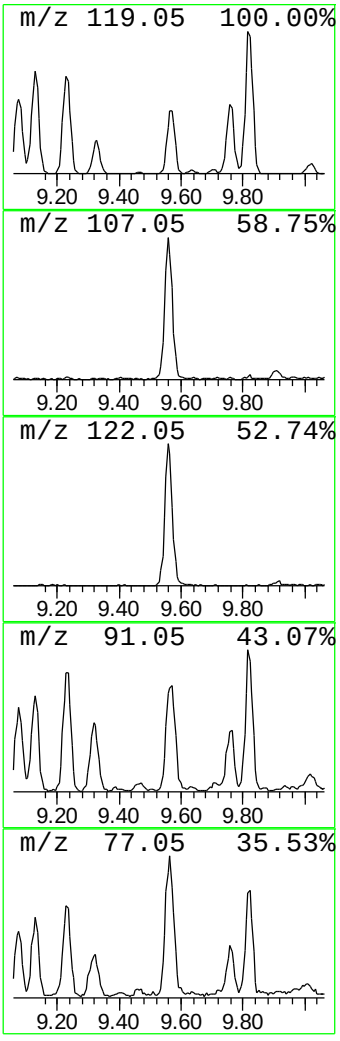
****

Peak Number 10 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	19.81 ng	1892880	Naphthalene-d8	10.96

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





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Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

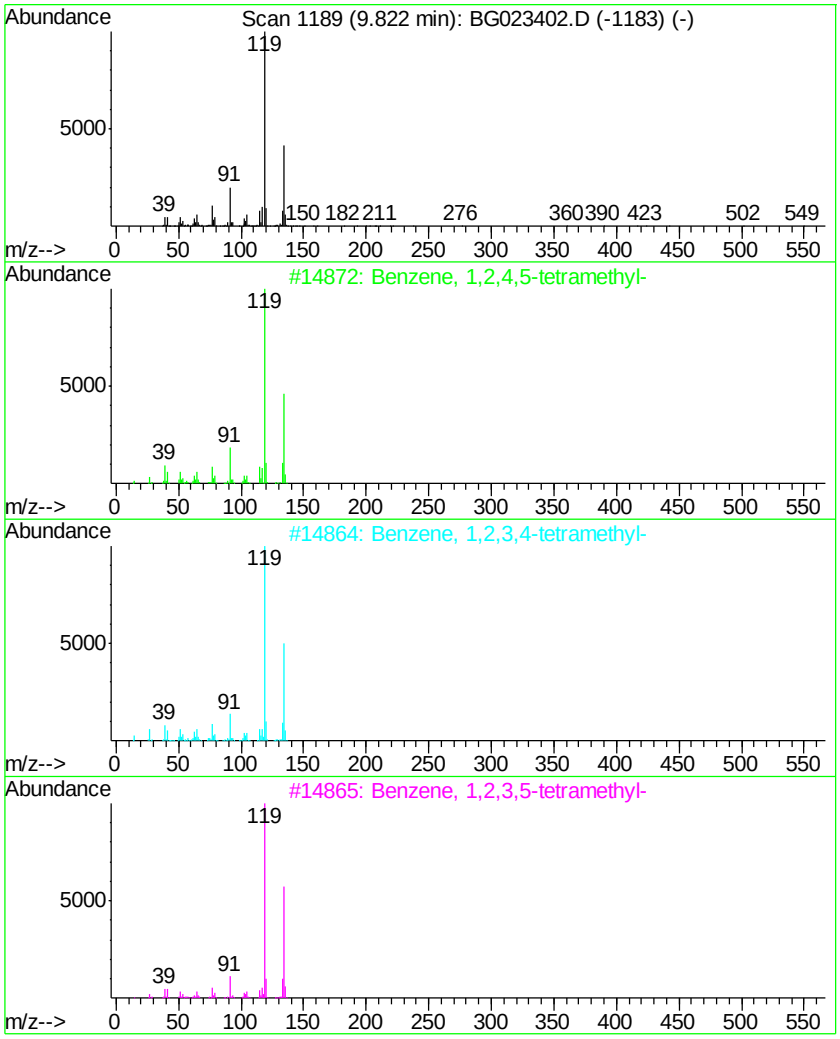
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

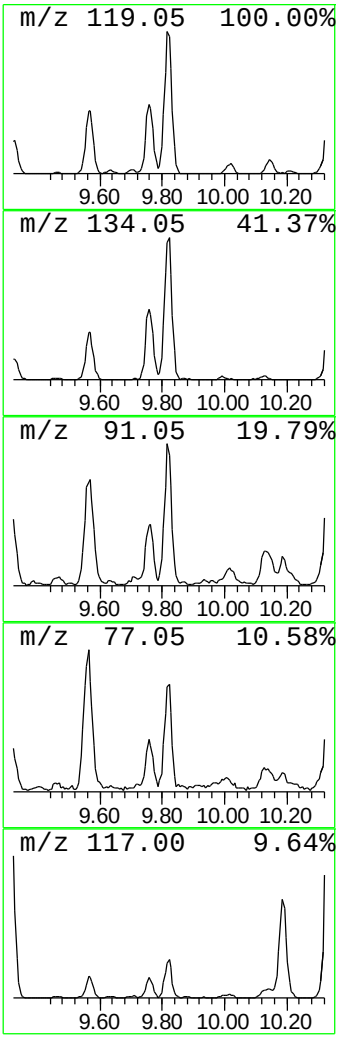
****

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	19.57 ng	1869400	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





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Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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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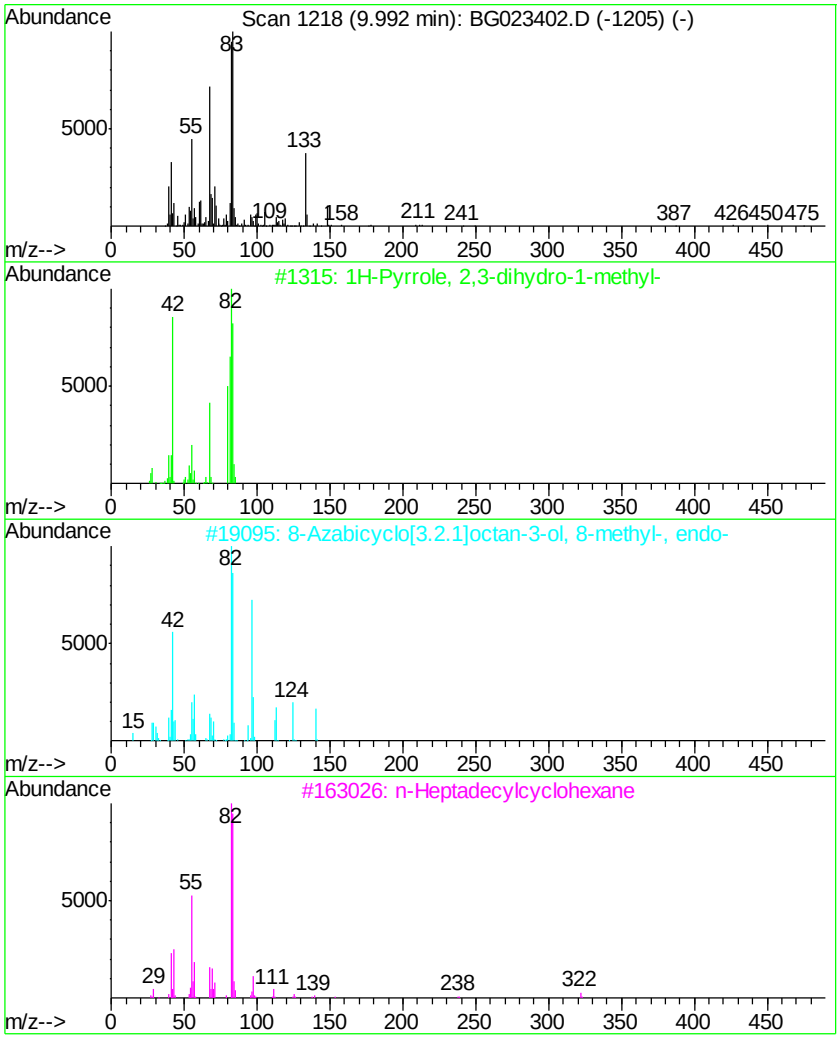
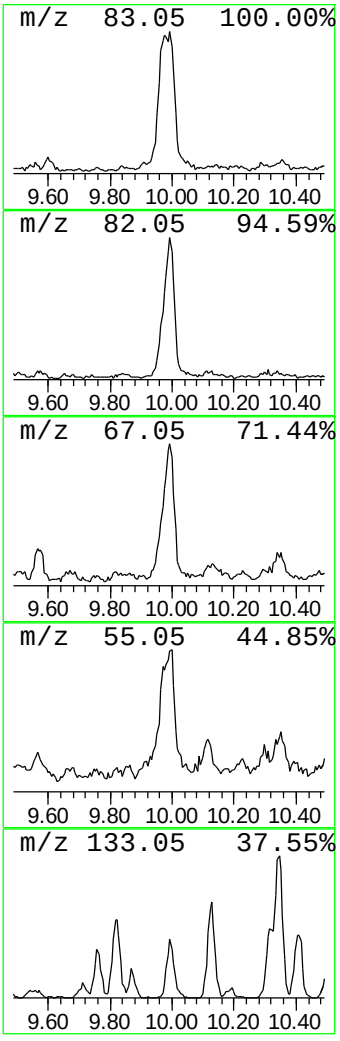
Peak Number 12 1H-Pyrrole, 2,3-dihydro-1-m... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	15.41 ng	1471760	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	62
2	8-Azabicyclo[3.2.1]octan-3-ol, 8...	141	C8H15NO	000120-29-6	47
3	n-Heptadecylcyclohexane	322	C23H46	019781-73-8	47
4	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	47
5	Succinic acid, di(cis-hex-3-enyl...	282	C16H26O4	1000353-42-2	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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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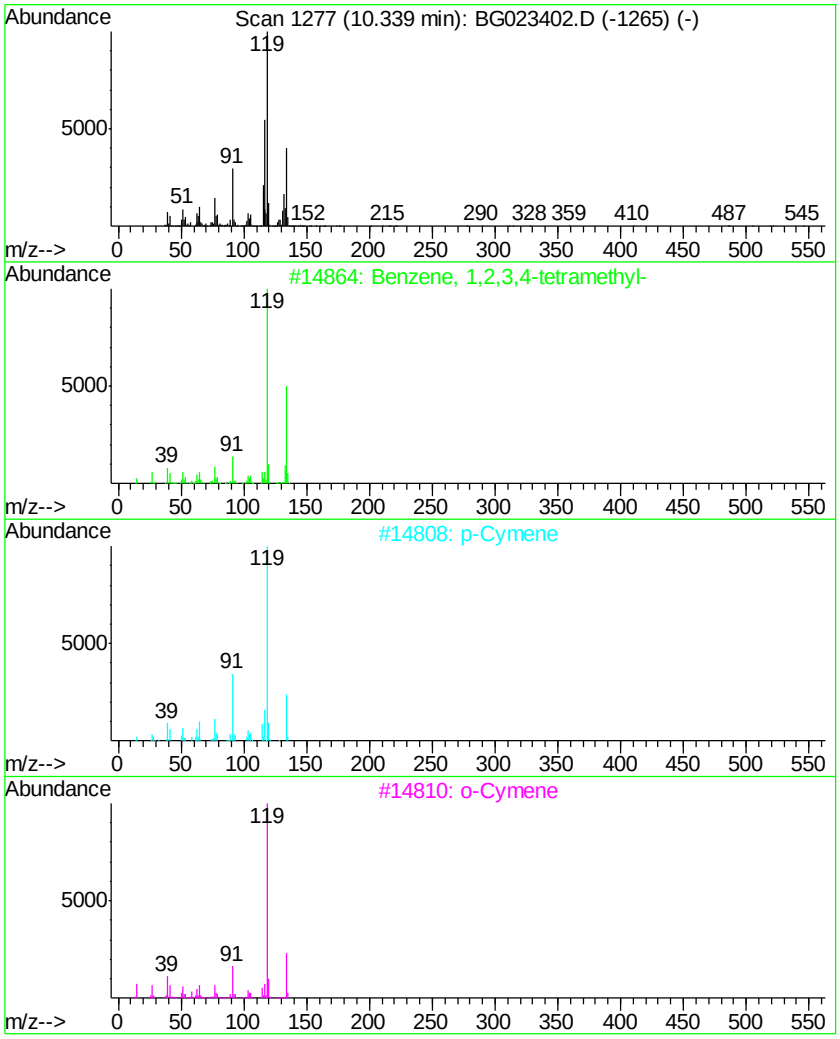
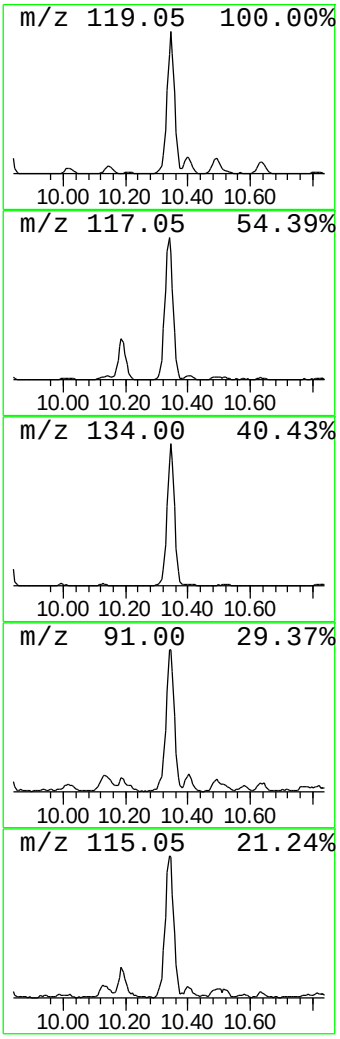
Peak Number 13 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	60.93 ng	5820850	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
2	p-Cymene	134	C10H14	000099-87-6	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70





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Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

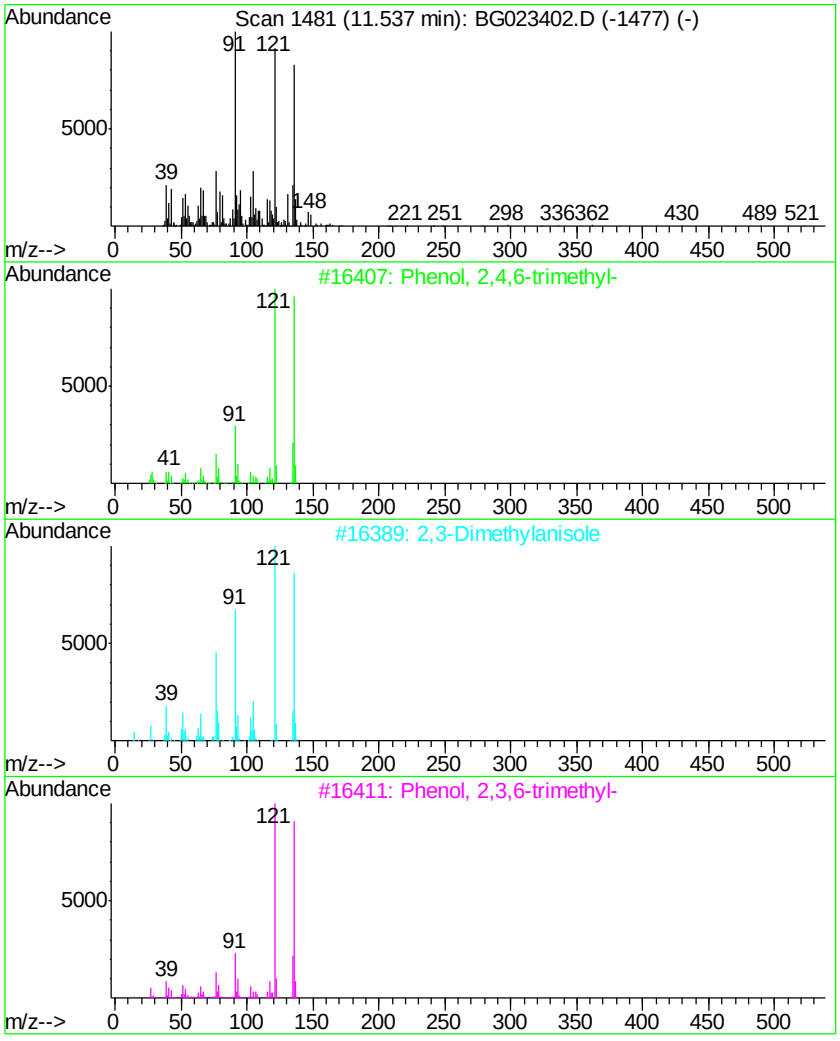
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

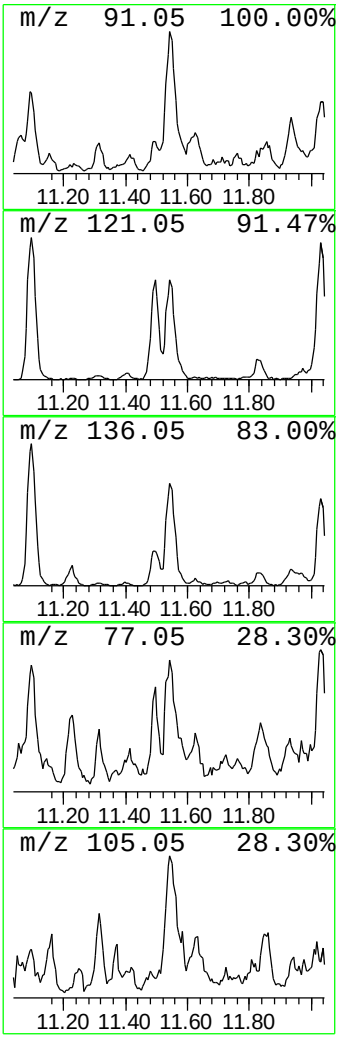
****

Peak Number 14 Phenol, 2,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	14.39 ng	1374650	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	90
2	2,3-Dimethylanisole	136	C9H12O	002944-49-2	87
3	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	87
4	2,4-Dimethylanisole	136	C9H12O	006738-23-4	83
5	1,3-Cyclohexadiene, 1,5,5,6-tetr...	136	C10H16	000514-94-3	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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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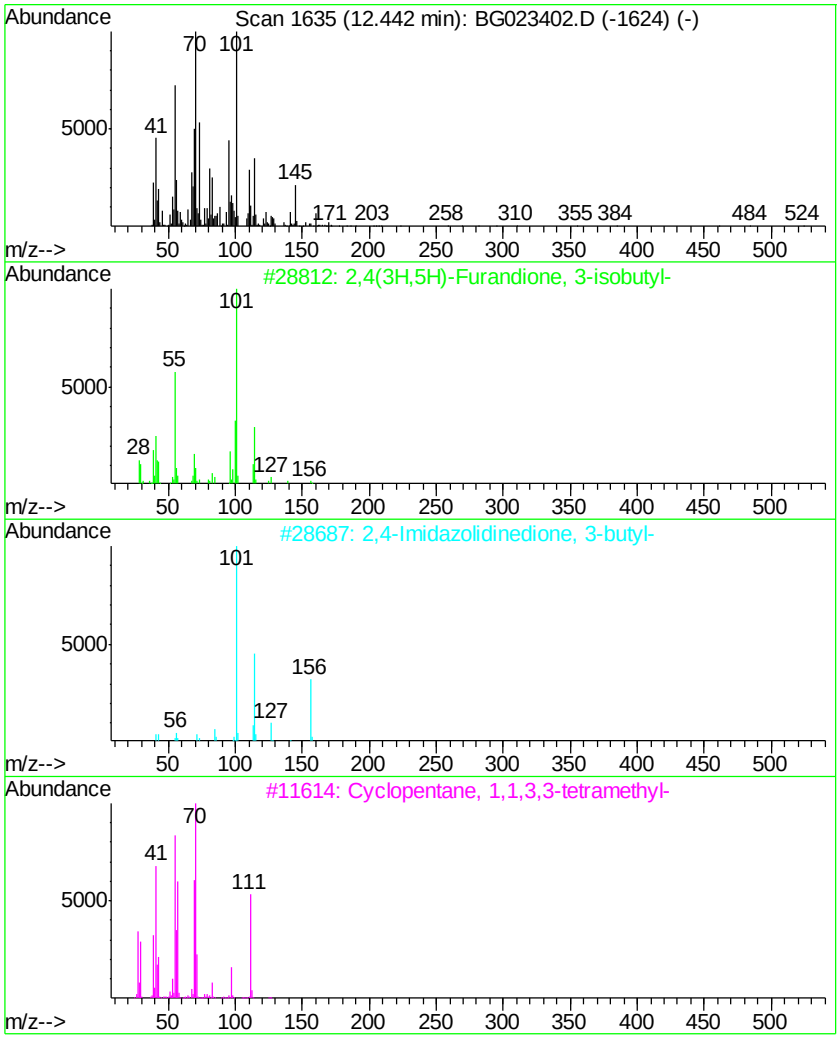
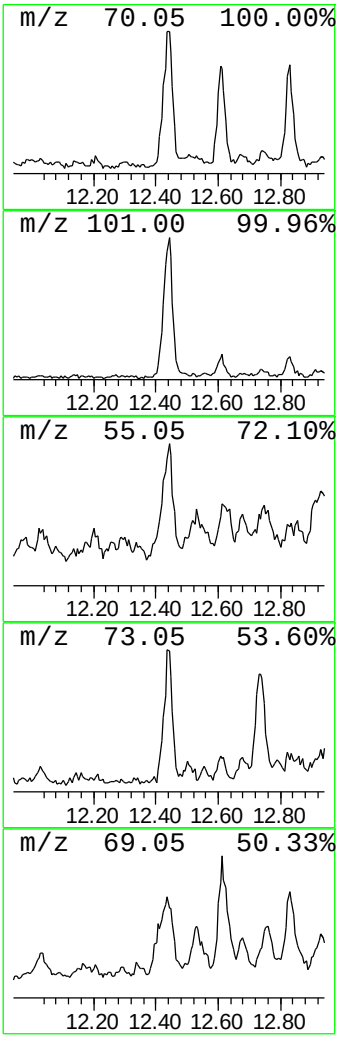
Peak Number 15 unknown12.44 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	23.51 ng	2245760	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4(3H,5H)-Furandione, 3-isobutyl-	156	C8H12O3	022884-76-0	30
2	2,4-Imidazolidinedione, 3-butyl-	156	C7H12N2O2	033599-31-4	22
3	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	18
4	Cyclobutanecarboxylic acid, cycl...	182	C11H18O2	1000282-60-7	14
5	Adipic acid, 4-methoxy-2-methylb...	400	C23H44O5	1000324-30-4	14





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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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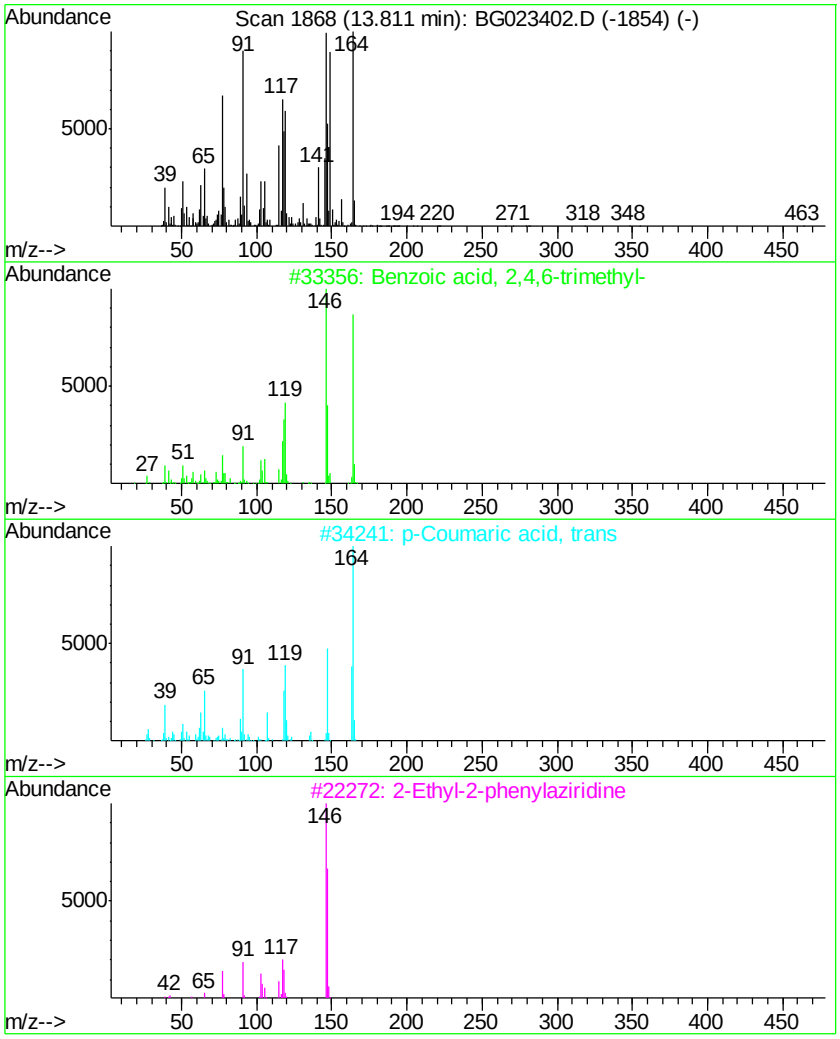
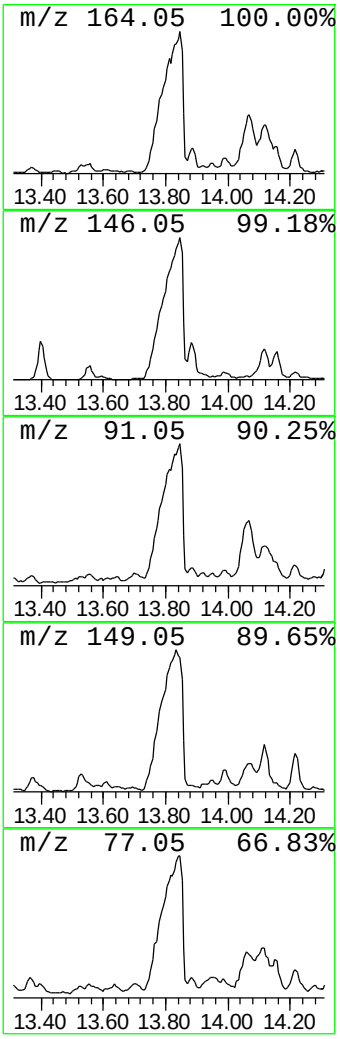
Peak Number 17 Benzoic acid, 2,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	28.55 ng	12729100	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4,6-trimethyl-	164	C10H12O2	000480-63-7	83
2	p-Coumaric acid, trans	164	C9H8O3	000501-98-4	46
3	2-Ethyl-2-phenylaziridine	147	C10H13N	000768-82-1	41
4	7-Methylindan-1-one	146	C10H10O	039627-61-7	30
5	p-Coumaric acid	164	C9H8O3	007400-08-0	25





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Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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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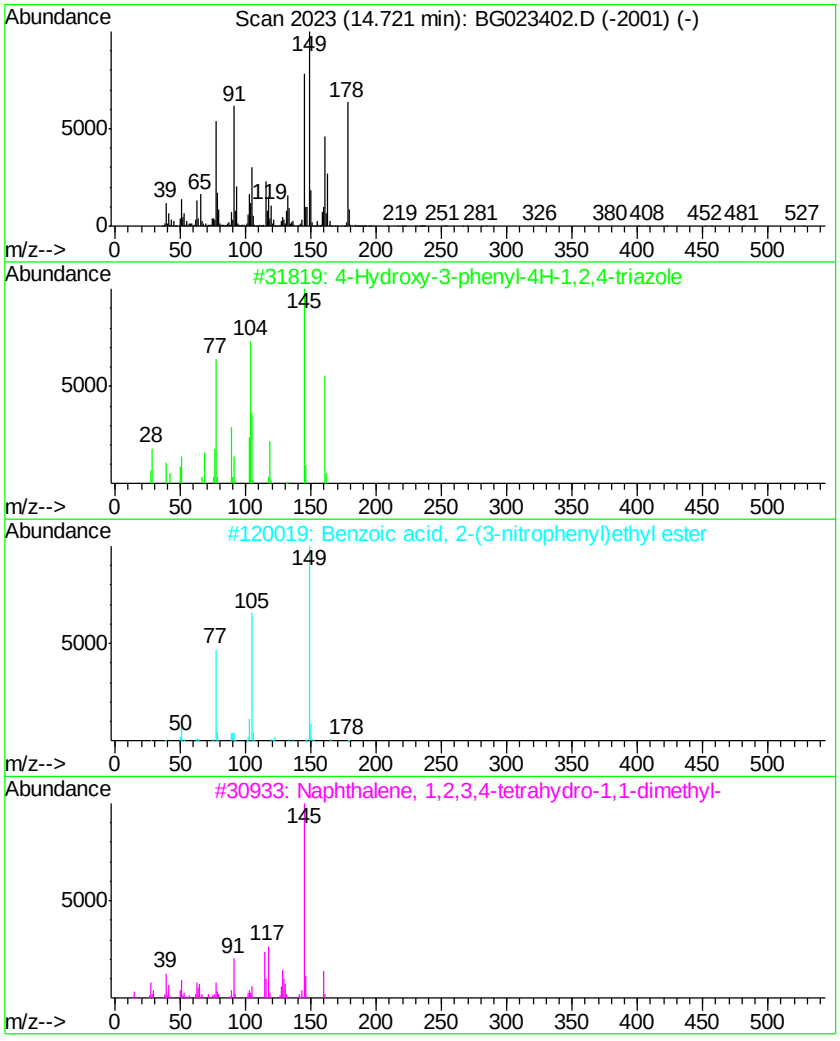
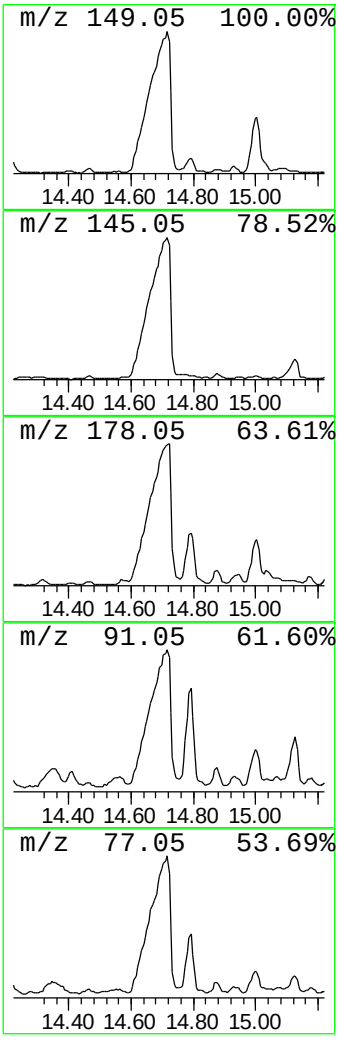
Peak Number 18 unknown14.72 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	89.10 ng	39728300	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3-phenyl-4H-1,2,4-tria...	161	C8H7N3O	031409-47-9	43
2	Benzoic acid, 2-(3-nitrophenyl)e...	271	C15H13NO4	1000368-22-4	22
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	18
4	Benzeneacetic acid, 4-(5-methyl-...	218	C10H10N4O2	1000349-92-1	18
5	2-Acetylbenzoic acid	164	C9H8O3	000577-56-0	18





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
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Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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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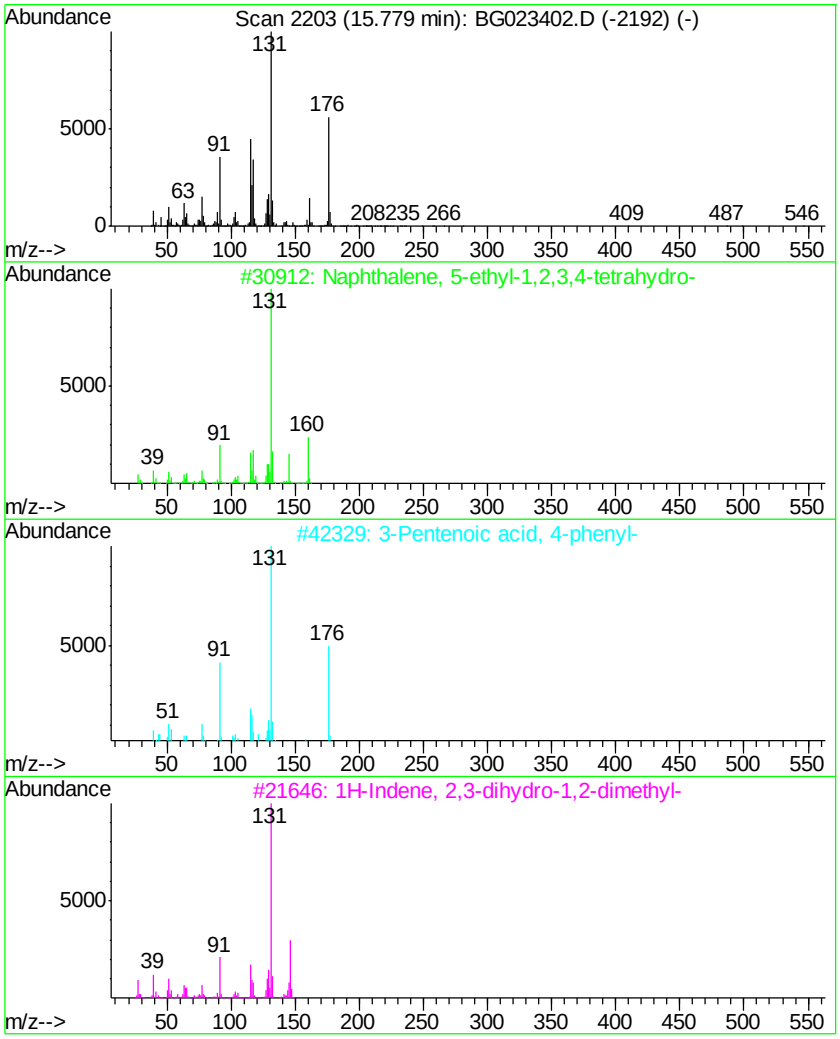
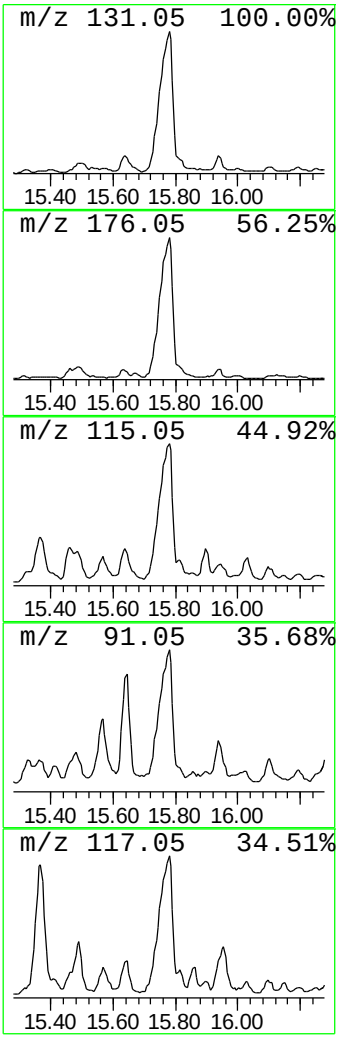
Peak Number 19 Naphthalene, 5-ethyl-1,2,3,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	31.89 ng	14216900	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	64
2	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	64
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	53
4	Benzene, 1-(3-chloro-1-propenyl)...	166	C10H11Cl	1000327-36-5	53
5	Benzene, (3-chloro-1-methyl-1-pr...	166	C10H11Cl	1000327-43-7	49





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Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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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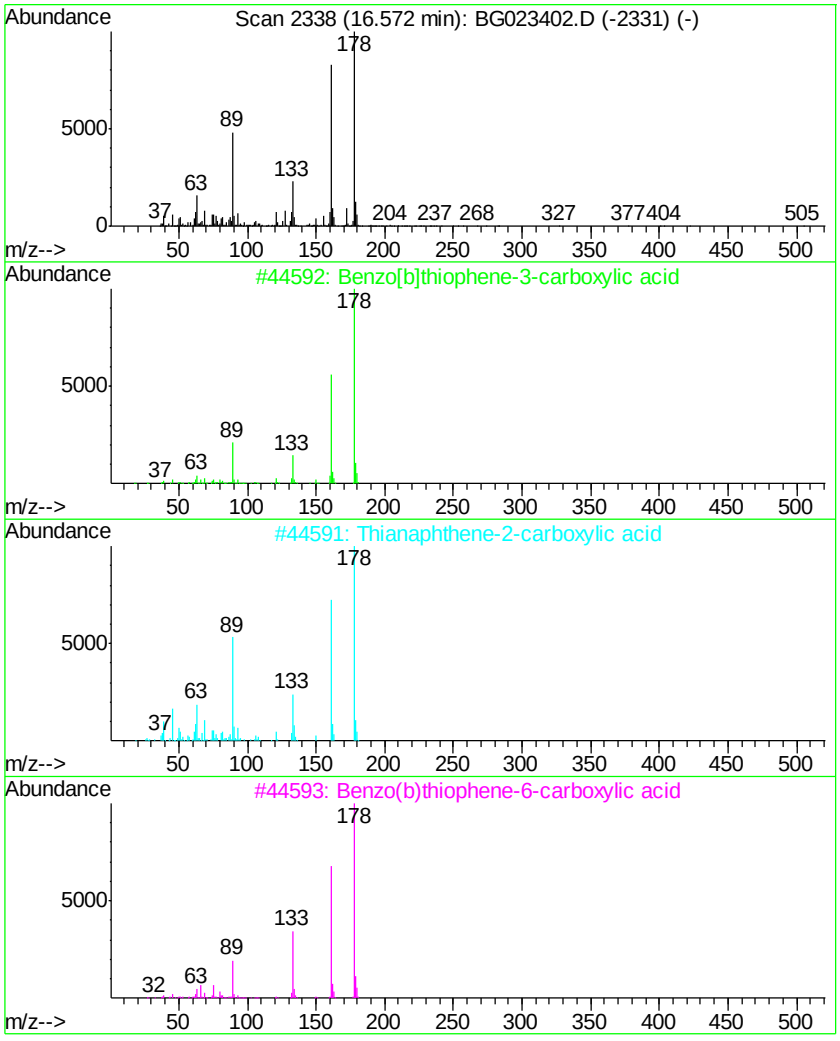
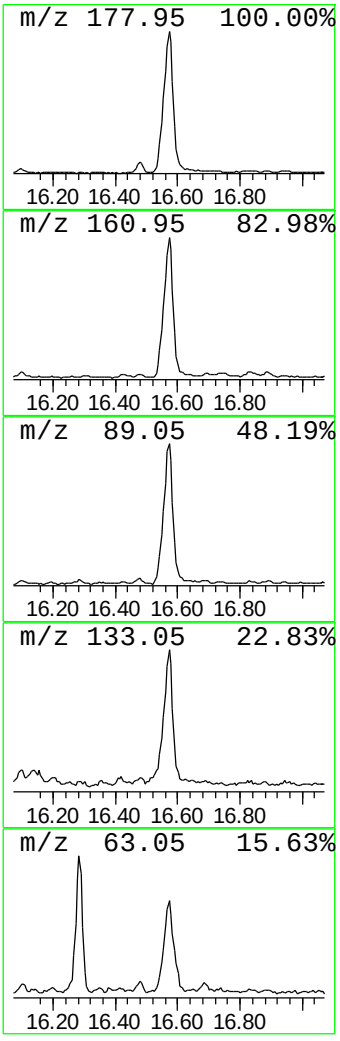
Peak Number 20 Benzo[b]thiophene-3-carboxy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	23.48 ng	7809910	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene-3-carboxylic acid	178	C9H6O2S	005381-25-9	96
2	Thianaphthene-2-carboxylic acid	178	C9H6O2S	006314-28-9	94
3	Benzo(b)thiophene-6-carboxylic acid	178	C9H6O2S	006179-26-6	72
4	2-Propenoic acid, 3-(4-methoxyph...	178	C10H10O3	000830-09-1	43
5	Thianaphthene-2-carbonyl chloride	196	C9H5ClOS	039827-11-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080216\
Data File : BG023402.D
Acq On : 2 Aug 2016 18:59
Operator : UM/SJ
Sample : H4270-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : KMW-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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
Benzene, 1,3-dime...	5.75	21.2	ng	1033160	1	8.12	973982	20.0
unknown7.65	7.65	79.3	ng	3859380	1	8.12	973982	20.0
Benzene, 1,2,3-tr...	7.76	118.7	ng	5780740	1	8.12	973982	20.0
Indane	8.49	22.3	ng	1085830	1	8.12	973982	20.0
o-Cymene	9.13	33.4	ng	1623920	1	8.12	973982	20.0
Benzene, 4-ethyl-...	9.23	34.8	ng	1695850	1	8.12	973982	20.0
Benzene, 1-ethyl-...	9.56	19.8	ng	1892880	2	10.96	1910750	20.0
Benzene, 1,2,4,5-...	9.82	19.6	ng	1869400	2	10.96	1910750	20.0
1H-Pyrrole, 2,3-d...	9.99	15.4	ng	1471760	2	10.96	1910750	20.0
Benzene, 1,2,3,4-...	10.34	60.9	ng	5820850	2	10.96	1910750	20.0
Phenol, 2,4,6-tri...	11.54	14.4	ng	1374650	2	10.96	1910750	20.0
unknown12.44	12.44	23.5	ng	2245760	2	10.96	1910750	20.0
Benzoic acid, 2,4...	13.81	28.6	ng	12729100	3	14.79	8917190	20.0
unknown14.72	14.72	89.1	ng	39728300	3	14.79	8917190	20.0
Naphthalene, 5-et...	15.78	31.9	ng	14216900	3	14.79	8917190	20.0
Benzo[b]thiophene...	16.57	23.5	ng	7809910	4	17.55	6651520	20.0