LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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	5.646	468	478	488	rBV	796582	1547229	1.76%	0.190%
2	7.632	808	816	820	rBV2	4963614	9479273	10.78%	1.162%
3	7.679	820	824	831	rVV	2790154	4506850	5.13%	0.552%
4	7.873	850	857	867	rBV	3143094	5656934	6.43%	0.693%
5	8.102	884	896	900	rBV5	550945	1872944	2.13%	0.230%
6	8.431	939	952	957	rVV3	1602486	4848663	5.51%	0.594%
7	9.282	1091	1097	1115	rVB2	1485372	3508234	3.99%	0.430%
8	10.175	1243	1249	1257	rVB6	519625	1253777	1.43%	0.154%
9	10.328	1268	1275	1282	rBV5	1717431	3835358	4.36%	0.470%
10	10.716	1334	1341	1347	rBV2	578316	1277934	1.45%	0.157%
11	10.910	1365	1374	1376	rBV4	559357	1348036	1.53%	0.165%
12	10.992	1384	1388	1393	rVV2	771419	1398556	1.59%	0.171%
13	11.068	1393	1401	1409	rVV3	1061280	2654729	3.02%	0.325%
14	11.250	1420	1432	1437	rBV8	651324	2115340	2.41%	0.259%
15	11.632	1494	1497	1504	rVB7	588088	1224317	1.39%	0.150%
16	11.850	1527	1534	1541	rBV4	841206	2145566	2.44%	0.263%
17	11.938	1544	1549	1552	rBV2	1612880	2821384	3.21%	0.346%
18	12.008	1552	1561	1574	rVB2	3259659	15646652	17.79%	1.918%
19	12.202	1574	1594	1597	rBV	16836948	87935340	100.00%	10.779%
20	12.314	1611	1613	1617	rVB	19576555	22048515	25.07%	2.703%
21	12.408	1622	1629	1632	rBV	7666857	16445454	18.70%	2.016%
22	12.466	1632	1639	1642	rVV	16461340	40548772	46.11%	4.971%
23	12.519	1642	1648	1655	rVB2	13919832	29637658	33.70%	3.633%
24	12.619	1660	1665	1668	rBV	1623591	2935820	3.34%	0.360%
25	12.660	1668	1672	1676	rVB	4479735	6544590	7.44%	0.802%
26	12.842	1698	1703	1710	rVB	2364769	4565700	5.19%	0.560%
27	13.130	1746	1752	1760	rVB5	919929	1789090	2.03%	0.219%
28	13.289	1774	1779	1784	rBV3	1729739	2681465	3.05%	0.329%
29	13.406	1794	1799	1807	rVB	3458700	5581831	6.35%	0.684%
30	13.553	1820	1824	1830	rBV3	722212	1711585	1.95%	0.210%
31	13.812	1864	1868	1880	rVB	1584850	3868193	4.40%	0.474%
32	13.964	1881	1894	1899	rBV3	3908580	11474153	13.05%	1.407%
33	14.105	1912	1918	1923	rVV	4827339	9902896	11.26%	1.214%
34	14.164	1923	1928	1932	rVV	2852913	4975678	5.66%	0.610%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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	14.235	1936	1940	1944	rVB3	2363057	3111999	3.54%	0.381%
36	14.317	1946	1954	1962	rVV5	2003606	7004319	7.97%	0.859%
37	14.511	1983	1987	1994	rVB3	1633598	2743932	3.12%	0.336%
38	14.992	2063	2069	2079	rBV	2751054	6808931	7.74%	0.835%
39	15.075	2079	2083	2091	rVB5	1188526	2240347	2.55%	0.275%
40	15.180	2093	2101	2108	rBV2	3448921	7012698	7.97%	0.860%
41	15.263	2110	2115	2122	rVB	3326054	5293433	6.02%	0.649%
42	15.398	2133	2138	2143	rBV	2775201	5197289	5.91%	0.637%
43	15.456	2144	2148	2153	rVB	2964776	4359713	4.96%	0.534%
44	15.568	2160	2167	2171	rBV3	2269629	5901905	6.71%	0.723%
45	15.603	2171	2173	2177	rVB	1608668	2015173	2.29%	0.247%
46	15.826	2208	2211	2216	rBV3	905055	1590787	1.81%	0.195%
47	15.967	2231	2235	2237	rBV	1210661	1545802	1.76%	0.189%
48	16.003	2237	2241	2245	rVV3	2678441	4261756	4.85%	0.522%
49	16.044	2246	2248	2253	rVB2	1209105	1442478	1.64%	0.177%
50	16.214	2272	2277	2280	rBV	2669878	4541720	5.16%	0.557%
51	16.285	2286	2289	2296	rVB3	2975758	4785256	5.44%	0.587%
52	16.349	2296	2300	2309	rVB4	1598577	2823397	3.21%	0.346%
53	16.520	2319	2329	2339	rVB3	6341863	18986158	21.59%	2.327%
54	16.625	2340	2347	2351	rBV	11180701	22045016	25.07%	2.702%
55	16.690	2352	2358	2363	rVB3	11274826	22006521	25.03%	2.698%
56	16.749	2363	2368	2372	rBV2	12248662	18059556	20.54%	2.214%
57	16.796	2372	2376	2379	rVB	8615720	11335583	12.89%	1.390%
58	16.866	2379	2388	2391	rBV	4982739	11966473	13.61%	1.467%
59	16.948	2397	2402	2408	rVB4	10727664	21452847	24.40%	2.630%
60	17.019	2408	2414	2417	rBV	10667458	18087199	20.57%	2.217%
61	17.054	2417	2420	2423	rVV2	4469270	6839109	7.78%	0.838%
62	17.089	2423	2426	2431	rVB	7197388	10217192	11.62%	1.252%
63	17.207	2443	2446	2451	rBV4	909754	1432581	1.63%	0.176%
64	17.324	2462	2466	2471	rVB2	2773694	3887608	4.42%	0.477%
65	17.601	2510	2513	2518	rVB	1925027	2644531	3.01%	0.324%
66	18.429	2646	2654	2657	rBV2	6483618	13243249	15.06%	1.623%
67	18.470	2657	2661	2671	rVB3	11184864	22794442	25.92%	2.794%
68	18.564	2672	2677	2681	rBV	9083492	15234963	17.33%	1.868%
69	18.617	2681	2686	2690	rBV3	11005829	21162525	24.07%	2.594%
70	18.705	2698	2701	2705	rVB	8254290	10861205	12.35%	1.331%
71	18.746	2705	2708	2710	rVV	1822528	2319557	2.64%	0.284%

LSC Area Percent Report

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Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Peak separation: 5

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

72	18.787	2710	2715	2718	rVV2	10374013	17397059	19.78%	2.133%
73	18.822	2718	2721	2725	rVV	13110668	18620307	21.17%	2.283%
74	18.864	2725	2728	2732	rVV	8293849	10535222	11.98%	1.291%
75	18.911	2732	2736	2743	rVV3	9461456	21681162	24.66%	2.658%
76	18.981	2744	2748	2756	rVB	10095245	16175196	18.39%	1.983%
77	19.057	2758	2761	2765	rVB	1274778	1645659	1.87%	0.202%
78	19.122	2770	2772	2774	rBV2	1111488	1248917	1.42%	0.153%
79	19.234	2787	2791	2794	rBV	2122708	3236738	3.68%	0.397%
80	19.357	2806	2812	2816	rBV	4995148	8653651	9.84%	1.061%
81	19.445	2825	2827	2831	rVB2	1847342	2206010	2.51%	0.270%
82	19.486	2831	2834	2840	rBV3	1746637	3236955	3.68%	0.397%
83	19.627	2854	2858	2862	rVB5	3709642	5824811	6.62%	0.714%
84	19.680	2865	2867	2868	rVV2	1744059	1664068	1.89%	0.204%
85	19.709	2869	2872	2877	rVB5	3289885	4483716	5.10%	0.550%
86	19.780	2882	2884	2892	rVV2	2501682	2967251	3.37%	0.364%
87	19.850	2892	2896	2899	rVV3	1492932	2274142	2.59%	0.279%
88	19.886	2899	2902	2909	rVB	1862235	3012139	3.43%	0.369%
89	19.986	2915	2919	2925	rVB2	3336779	5618679	6.39%	0.689%
90	20.050	2925	2930	2935	rBV	3851225	6548394	7.45%	0.803%
91	20.168	2946	2950	2954	rBV	4698485	5711080	6.49%	0.700%
92	20.285	2966	2970	2978	rBV7	2105090	6072199	6.91%	0.744%
93	20.450	2994	2998	3000	rBV3	1741099	2826427	3.21%	0.346%
94	20.555	3013	3016	3020	rVV2	1935648	2398841	2.73%	0.294%
95	20.626	3024	3028	3032	rVV2	2445910	3807782	4.33%	0.467%
96	20.667	3032	3035	3040	rVB	1687112	2009563	2.29%	0.246%
97	20.779	3050	3054	3057	rBV3	2087310	3116760	3.54%	0.382%
98	20.820	3058	3061	3063	rBV	1343816	1497063	1.70%	0.184%
99	20.908	3073	3076	3082	rVB7	1350058	2258464	2.57%	0.277%
100	21.419	3159	3163	3165	rBV	1314528	1998040	2.27%	0.245%

Sum of corrected areas: 815772061

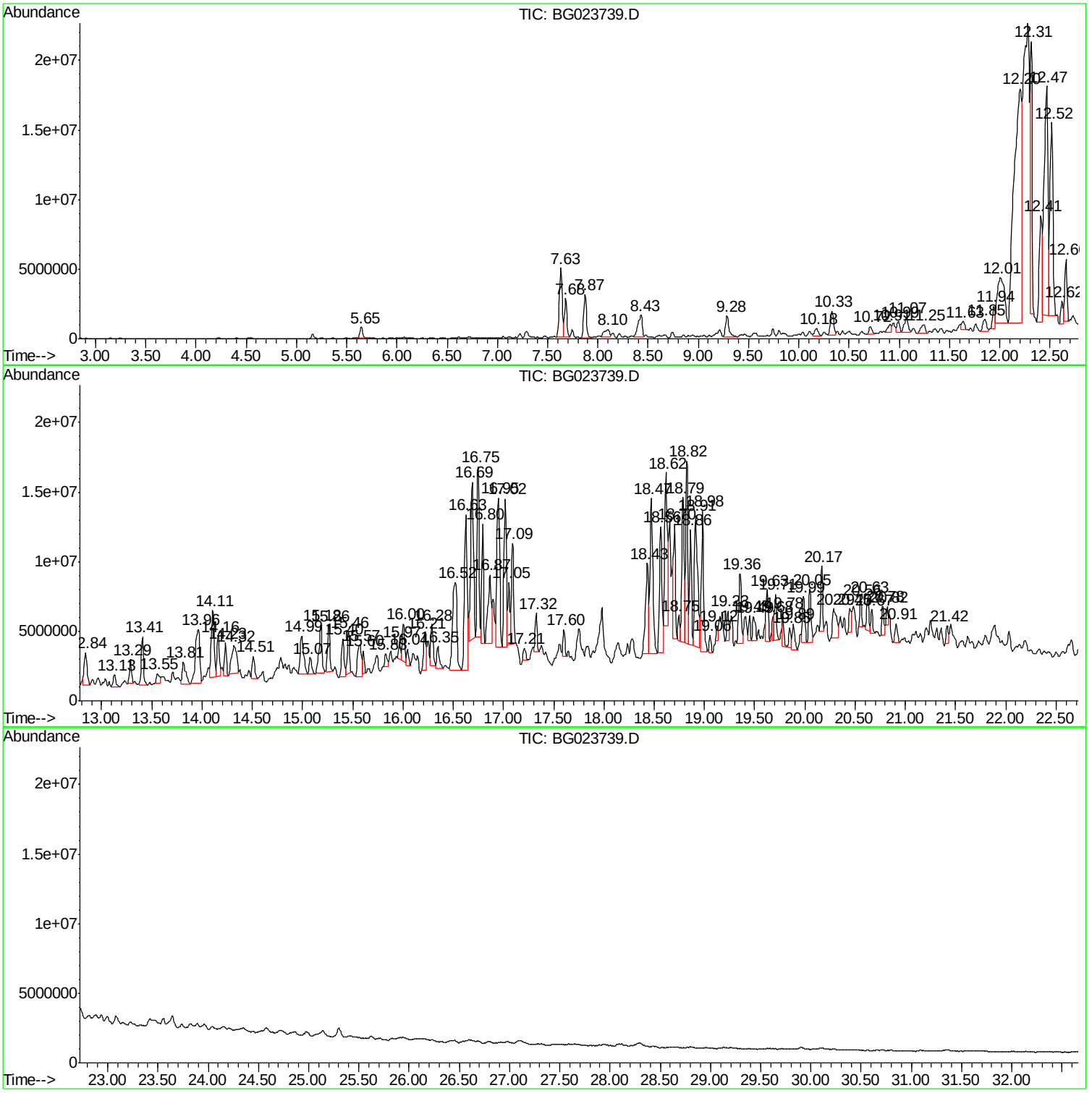
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
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Instrument : BNA_G
ClientSampleId : AW-1

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

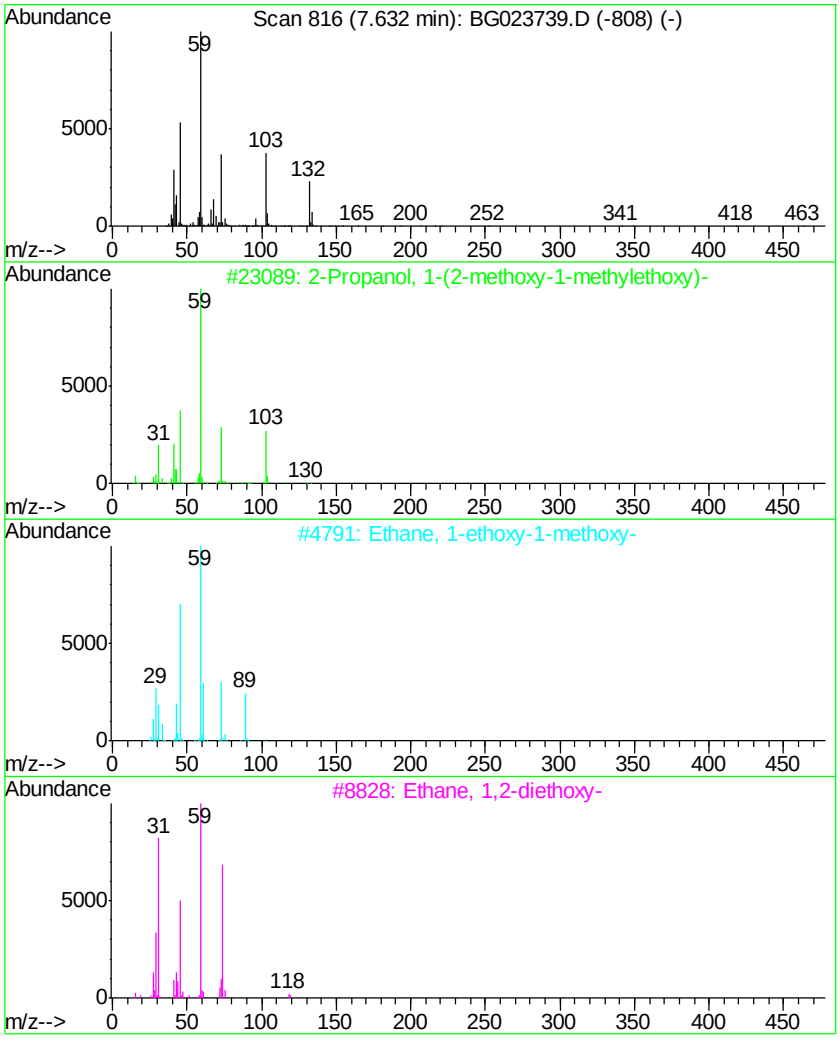
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

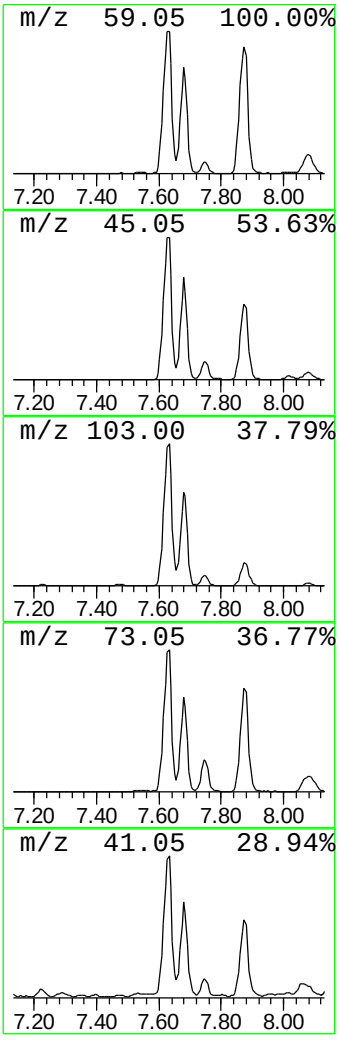
****

Peak Number 1 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	101.22 ng	9479270	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	59
2	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	50
3	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	43
4	Ethyl 2-(2-(2-methoxyethoxy)etho...	206	C9H18O5	1000366-89-0	42
5	1-Propanol, 2-(2-methoxy-1-methy...	148	C7H16O3	055956-21-3	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

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

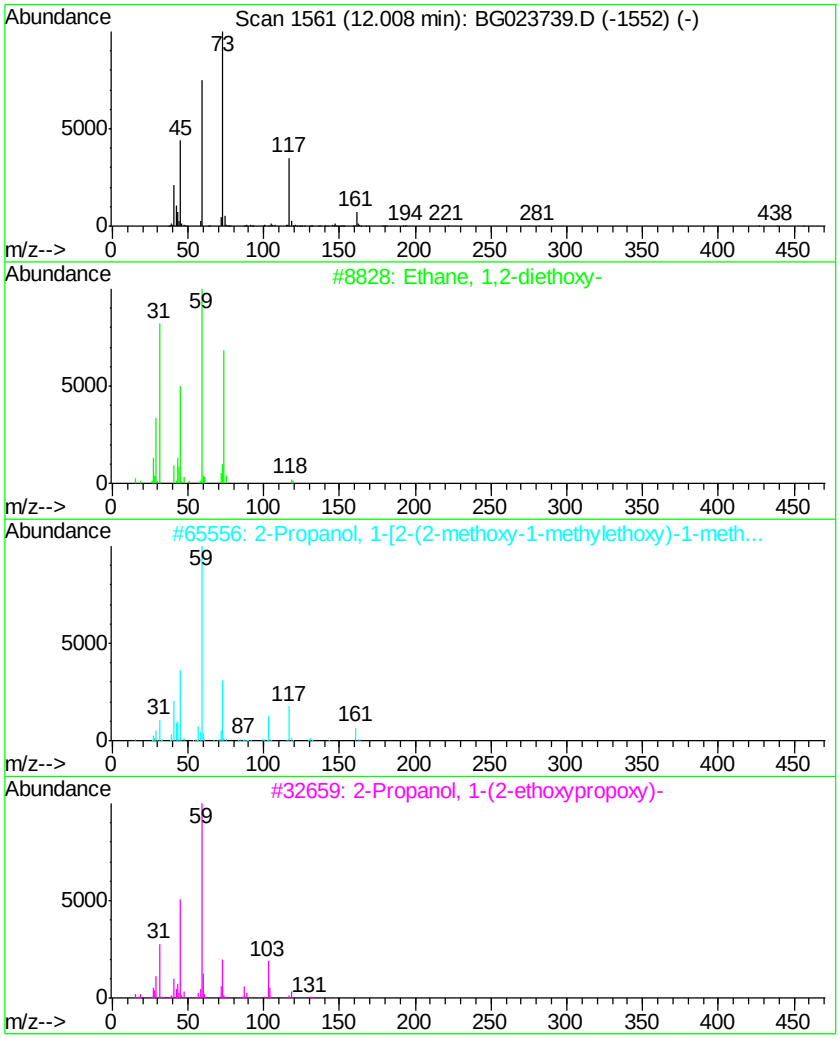
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

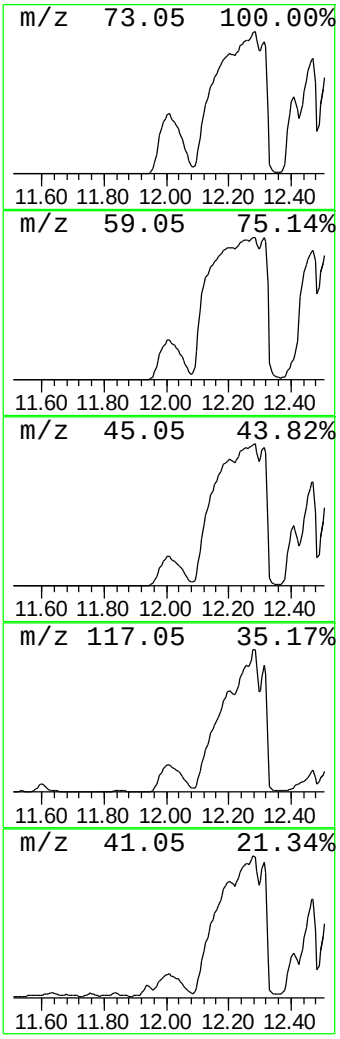
****

Peak Number 2 unknown12.01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	232.14 ng	15646700	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	42
2	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	38
3	2-Propanol, 1-(2-ethoxypropoxy)-	162	C8H18O3	010143-32-5	38
4	tert-Butyl-[2-[2-(2-ethoxyethoxy...	292	C14H32O4Si	1000352-13-5	32
5	1,3-Dioxolane, 2-ethyl-	102	C5H10O2	002568-96-9	16





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

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

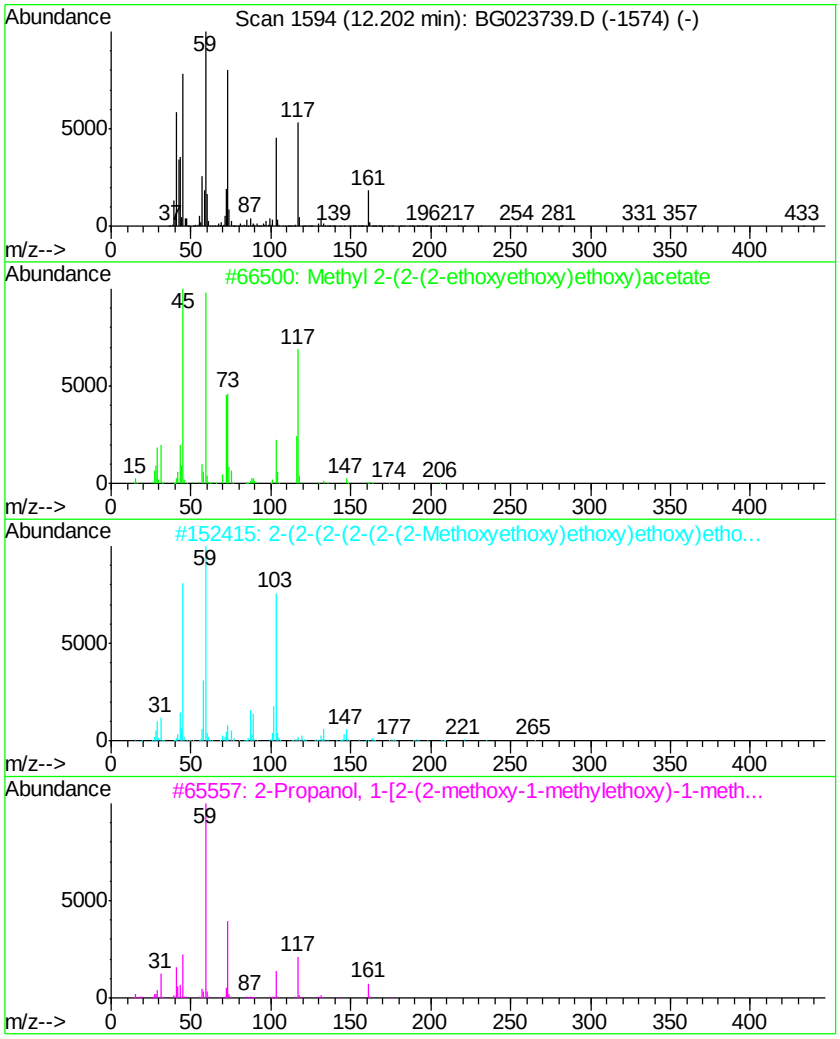
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

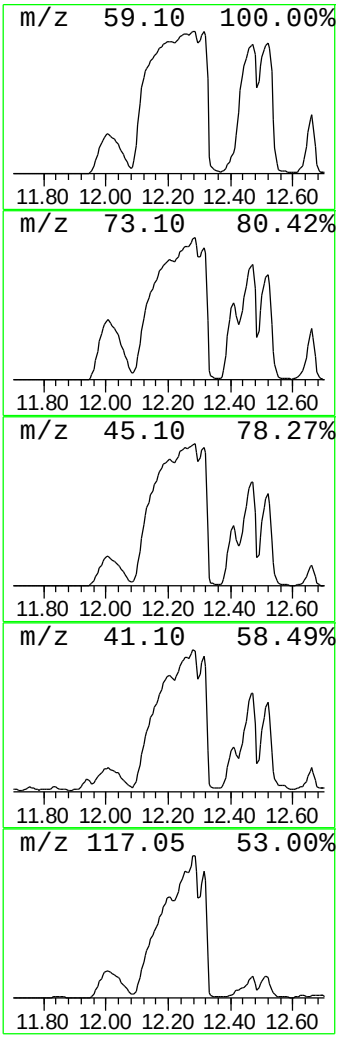
****

Peak Number 3 Methyl 2-(2-(2-ethoxyethoxy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	1304.64 ng	87935300	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 2-(2-(2-ethoxyethoxy)etho...	206	C9H18O5	1000366-78-1	64
2	2-(2-(2-(2-(2-Methoxyethoxy)e...	310	C13H26O8	1000366-93-3	53
3	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	50
4	1-Propanol, 2-(2-methoxy-1-methy...	148	C7H16O3	055956-21-3	45
5	tert-Butyl-[2-[2-(2-ethoxyethoxy...	292	C14H32O4Si	1000352-13-5	43





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Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

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

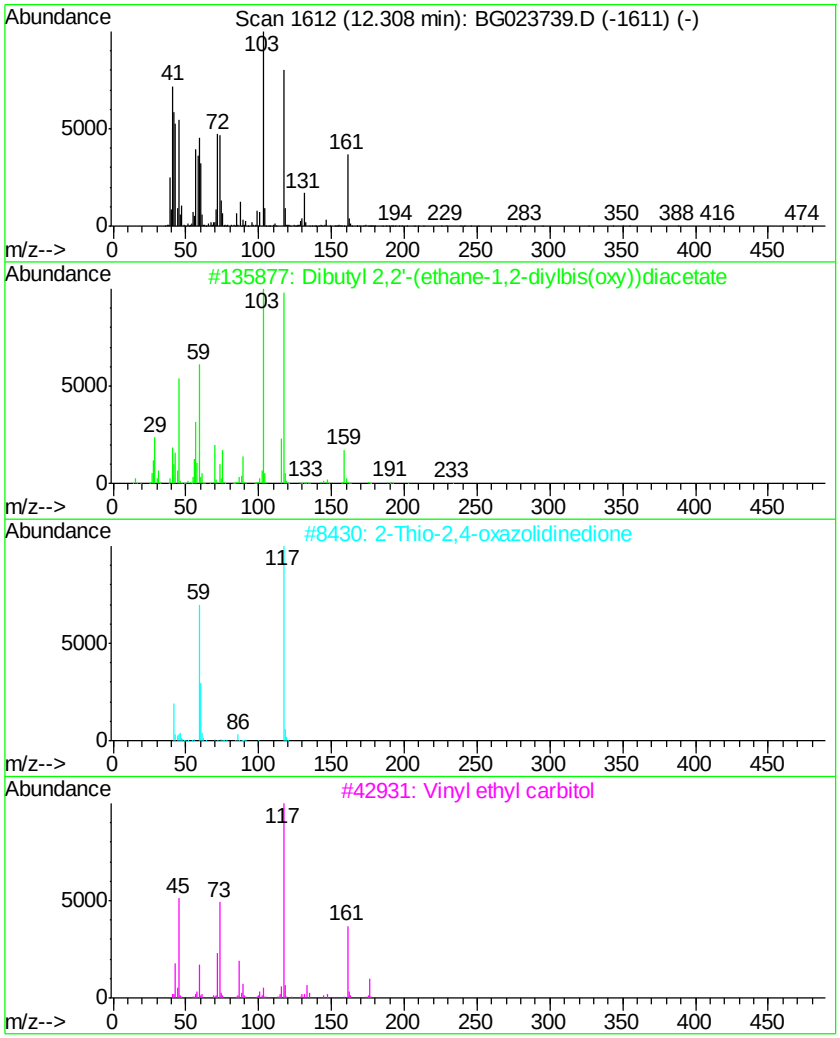
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

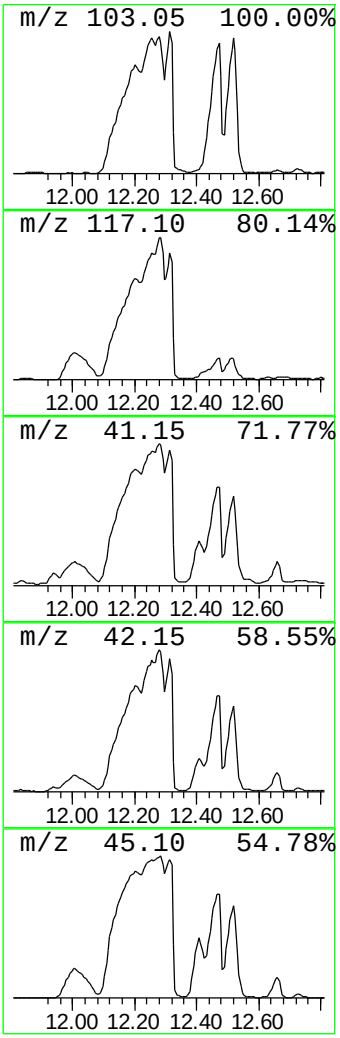
****

Peak Number 4 unknown12.31 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	327.12 ng	22048500	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl 2,2'-(ethane-1,2-diylbis...	290	C14H26O6	1000366-89-5	37
2	2-Thio-2,4-oxazolidinedione	117	C3H3NO2S	002346-24-9	30
3	Vinyl ethyl carbitol	176	C8H16O4	000929-72-6	25
4	Ethanethioamide, N,N-dimethyl-	103	C4H9NS	000631-67-4	14
5	Methyl 2,2-dimethyl-3,6,9,12,15,...	382	C16H34O8Si	1000366-82-4	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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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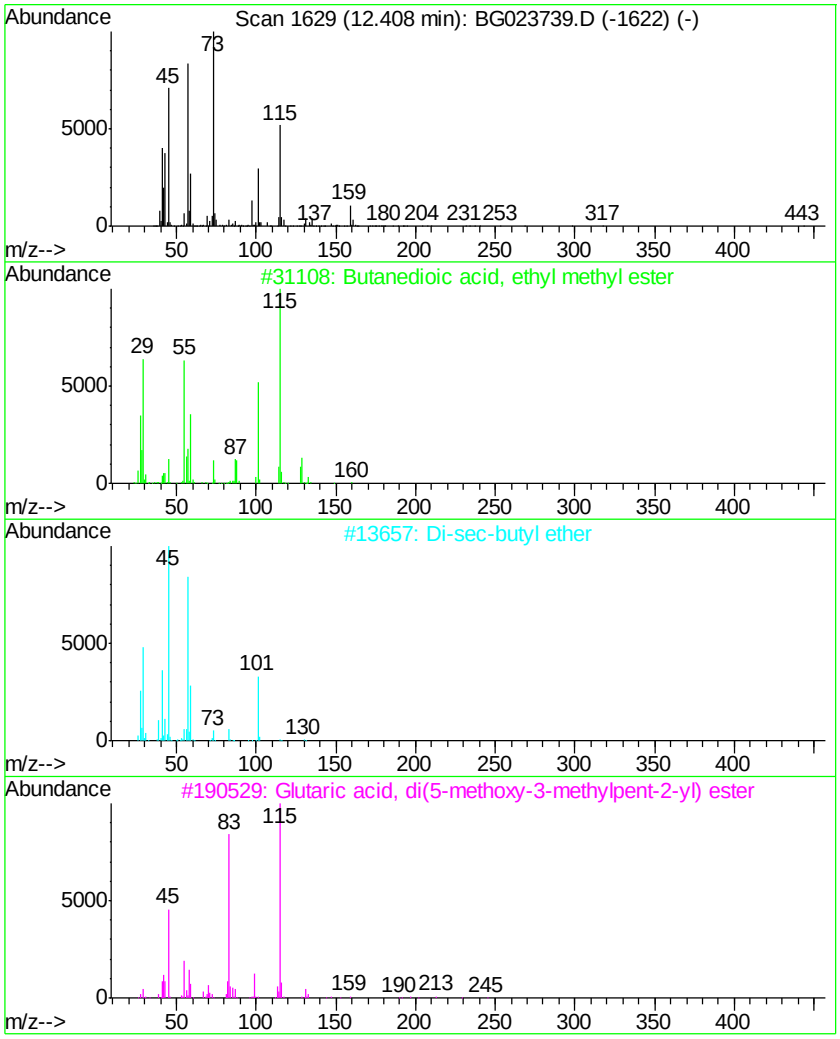
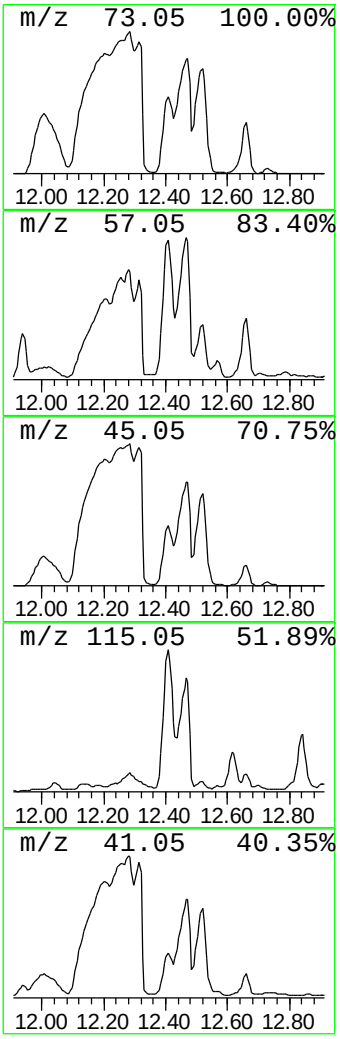
Peak Number 5 unknown12.41 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	243.99 ng	16445500	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanedioic acid, ethyl methyl e...	160	C7H12O4	000627-73-6	38
2	Di-sec-butyl ether	130	C8H18O	006863-58-7	38
3	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000358-44-4	32
4	Isobutyl isothiocyanate	115	C5H9NS	000591-82-2	27
5	tert-Butyl glycidyl ether	130	C7H14O2	007665-72-7	16





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Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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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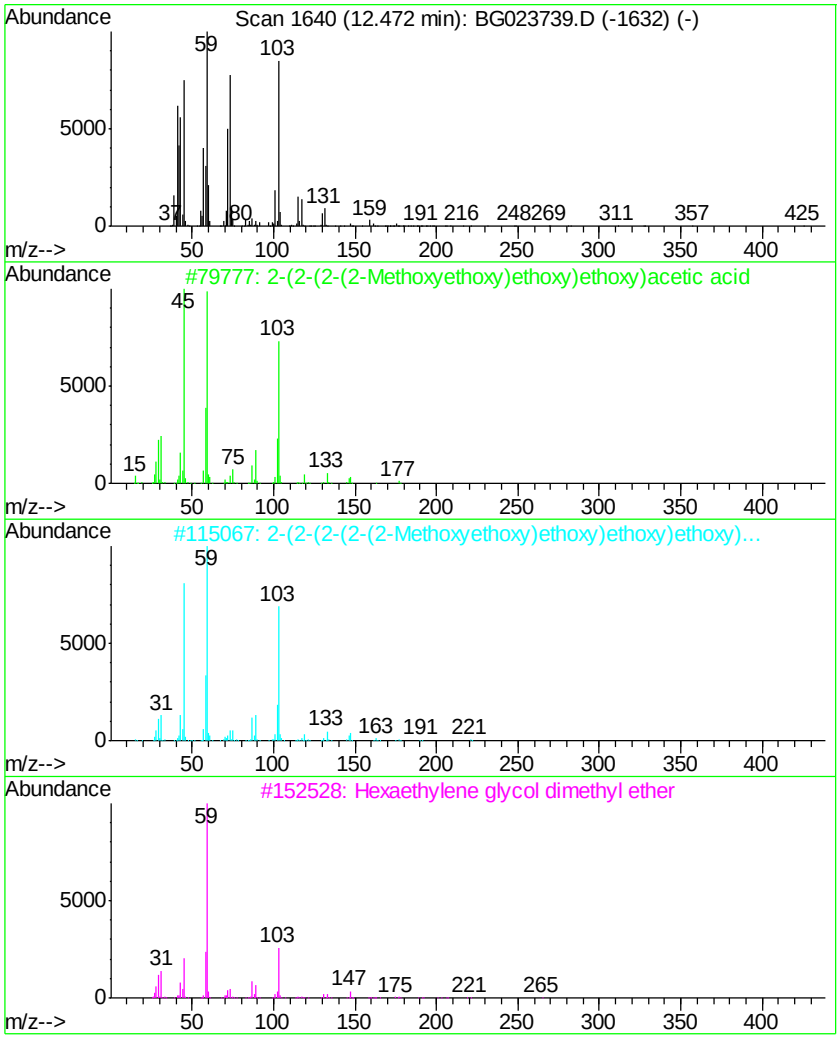
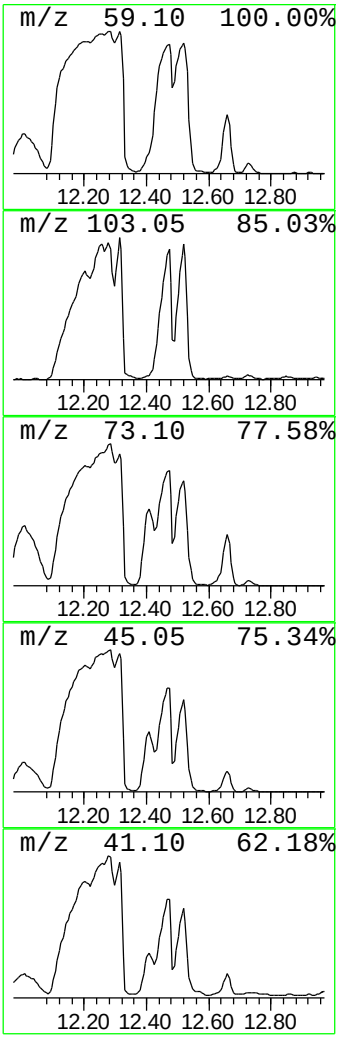
Peak Number 6 2-(2-(2-(2-Methoxyethoxy)et... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	601.60 ng	40548800	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-(2-(2-Methoxyethoxy)ethoxy)...	222	C9H18O6	1000366-76-8	50
2	2-(2-(2-(2-(2-Methoxyethoxy)etho...	266	C11H22O7	1000366-84-6	50
3	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	38
4	2-[2-[2-[2-[2-[2-(2-Methoxyet...	456	C20H44O9Si	1000352-07-8	38
5	1-Propanol, 3,3'-oxybis-	134	C6H14O3	002396-61-4	37





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Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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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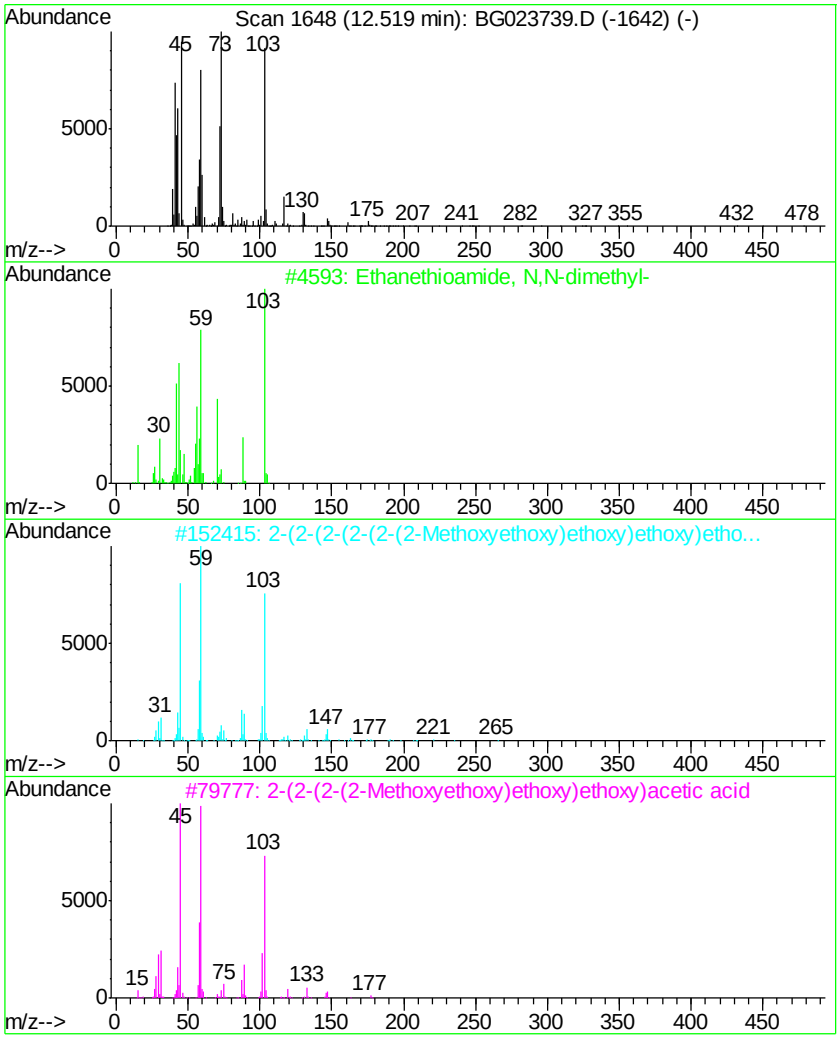
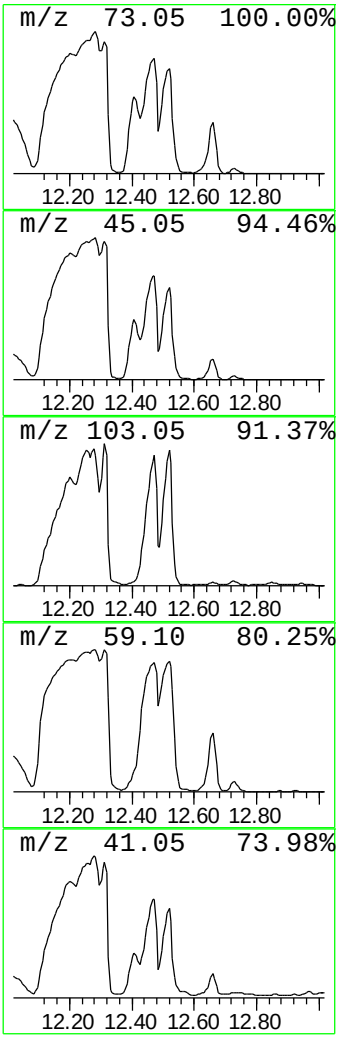
Peak Number 7 unknown12.52 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	439.72 ng	29637700	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanethioamide, N,N-dimethyl-	103	C4H9NS	000631-67-4	43
2	2-(2-(2-(2-(2-(2-Methoxyethoxy)e...	310	C13H26O8	1000366-93-3	42
3	2-(2-(2-(2-Methoxyethoxy)ethoxy)...	222	C9H18O6	1000366-76-8	40
4	Butyl 2,5,8,11,14-pentaoxahexade...	322	C15H30O7	1000366-82-1	37
5	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	35





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Sample : H4422-05
Misc :
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Instrument : BNA_G
ClientSampleId : AW-1

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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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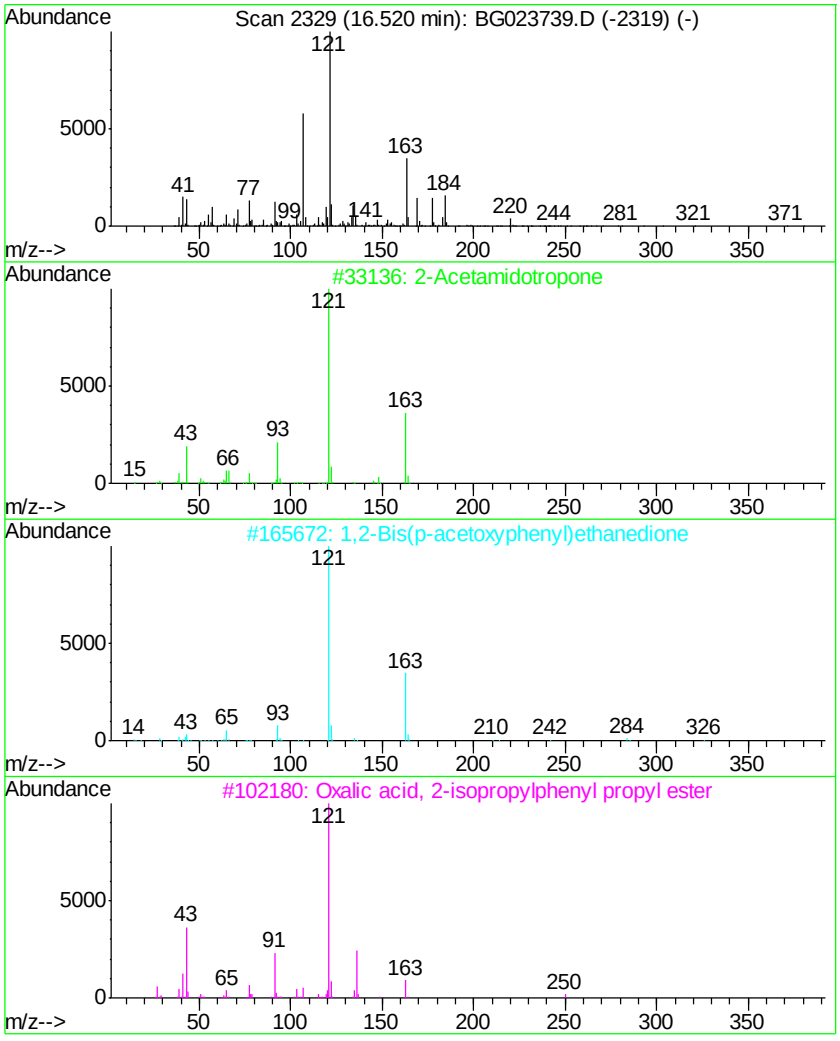
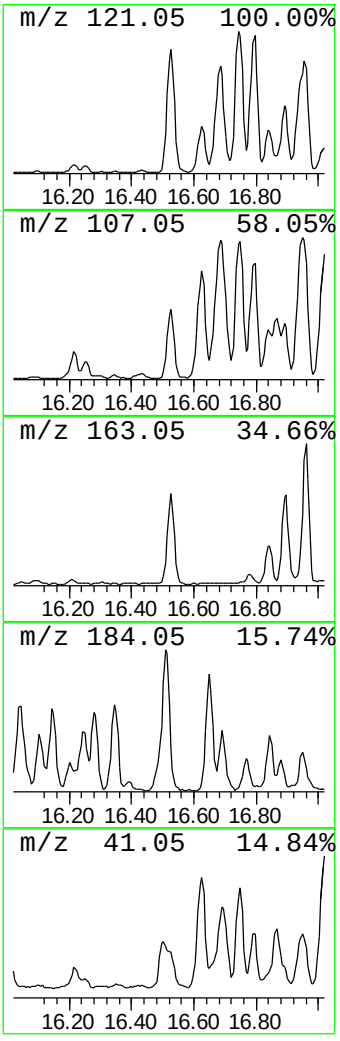
Peak Number 8 unknown16.52 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	143.59 ng	18986200	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetamidotropone	163	C9H9NO2	006422-12-4	43
2	1,2-Bis(p-acetoxyphenyl)ethanedione	326	C18H14O6	093655-79-9	38
3	Oxalic acid, 2-isopropylphenyl p...	250	C14H18O4	1000309-56-1	38
4	N-Allyl-p-hydroxybenzamide	177	C10H11NO2	090921-72-5	38
5	Oxiranecarboxylic acid, 3-phenyl...	178	C10H10O3	019190-80-8	35





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Operator : UM/SJ
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Instrument : BNA_G
ClientSampleId : AW-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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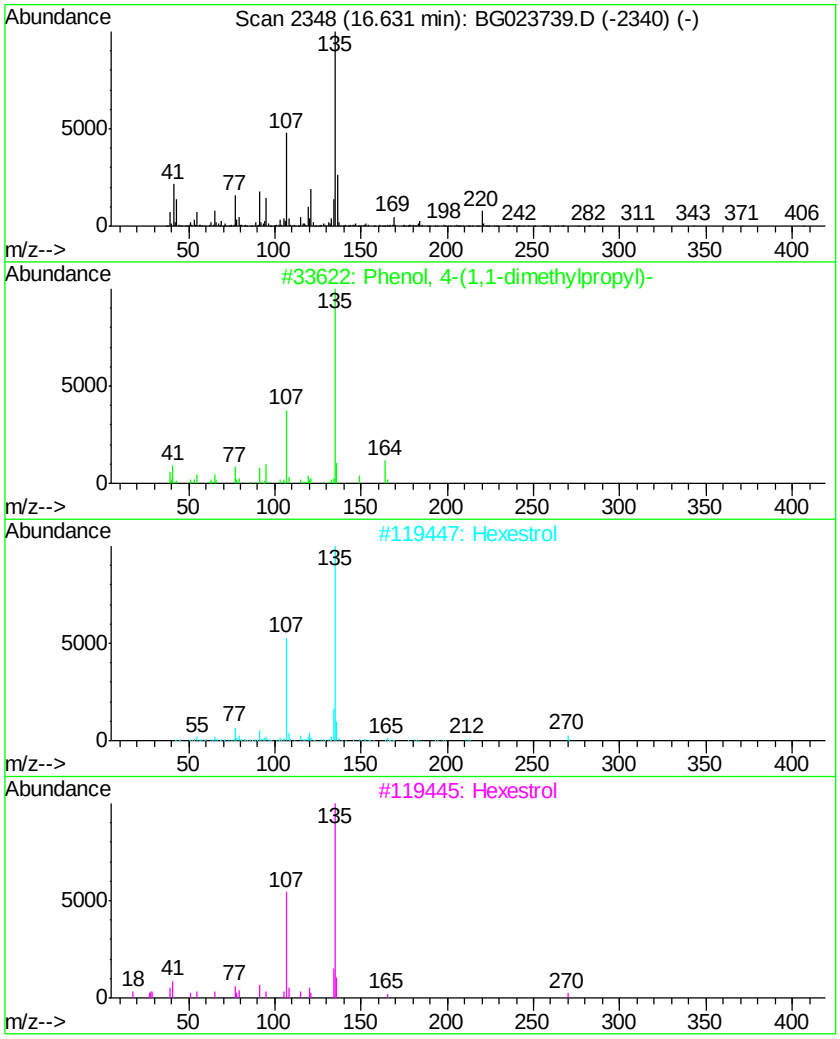
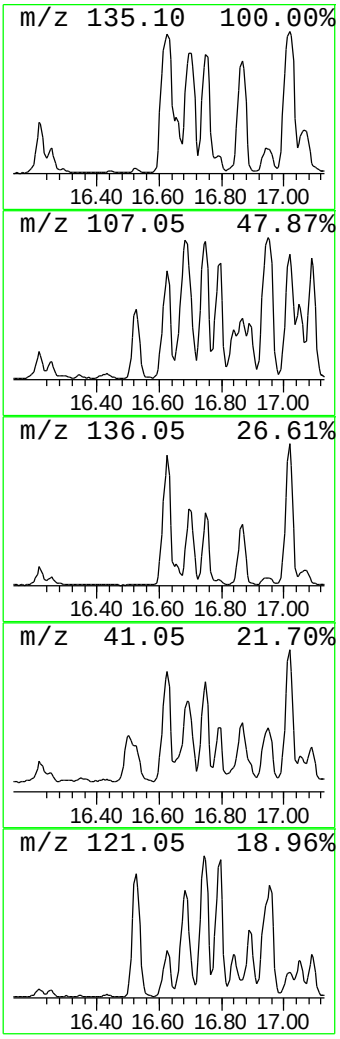
Peak Number 9 Phenol, 4-(1,1-dimethylprop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	166.72 ng	22045000	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72
2	Hexestrol	270	C18H22O2	000084-16-2	64
3	Hexestrol	270	C18H22O2	005635-50-7	59
4	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	59
5	Benzaldehyde diethylacetal	180	C11H16O2	000774-48-1	53





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Operator : UM/SJ
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

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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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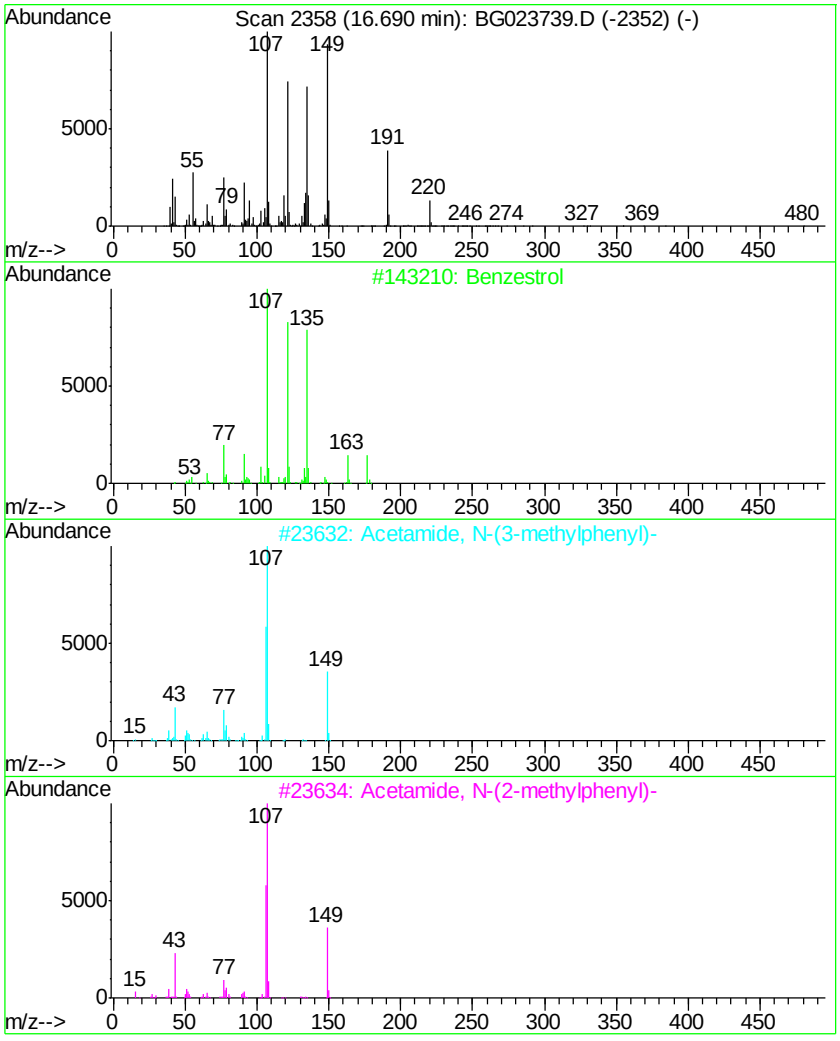
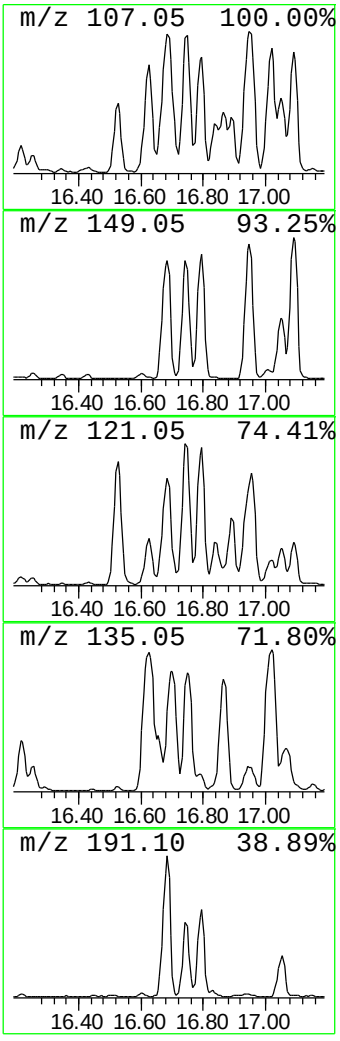
Peak Number 10 unknown16.69 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	166.43 ng	22006500	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzestrol	298	C20H26O2	000085-95-0	46
2	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	41
3	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	38
4	Acetic acid, (2-bromophenyl)meth...	228	C9H9BrO2	1000368-71-4	38
5	3-(4-Ethoxybenzoyl)acrylic acid	220	C12H12O4	029582-31-8	20





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

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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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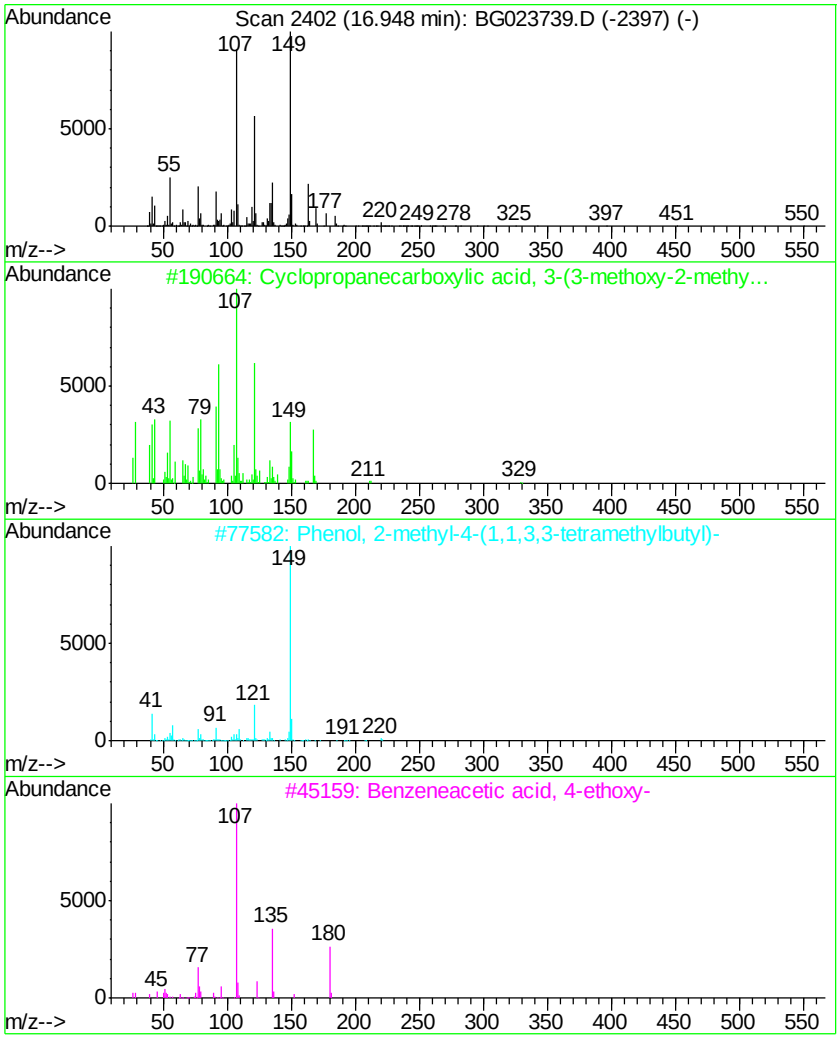
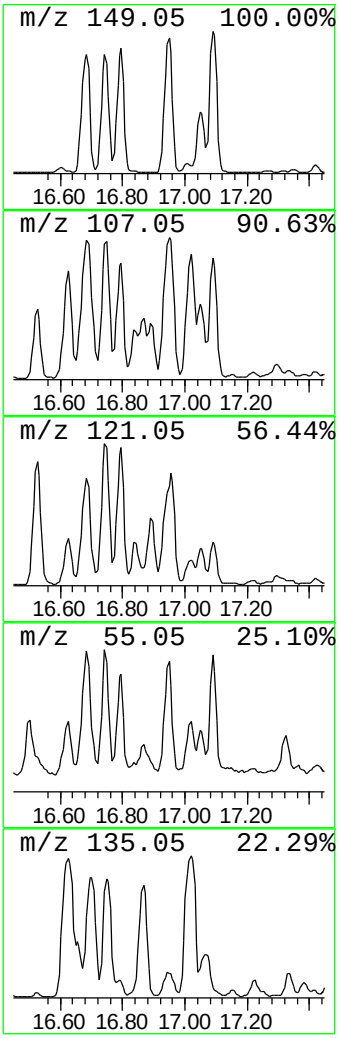
Peak Number 12 unknown16.95 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	162.24 ng	21452800	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid, 3-(...	360	C21H28O5	000121-20-0	38
2	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	35
3	Benzeneacetic acid, 4-ethoxy-	180	C10H12O3	004919-33-9	27
4	Bufexamac	223	C12H17NO3	002438-72-4	27
5	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	27





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Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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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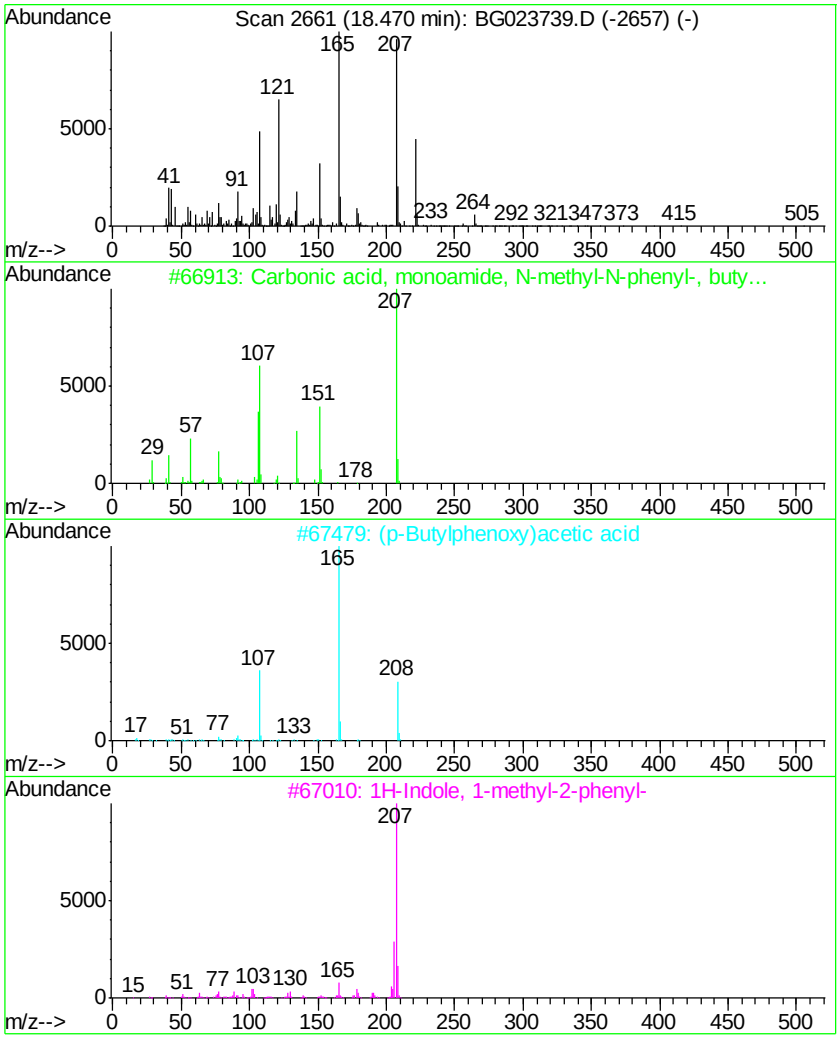
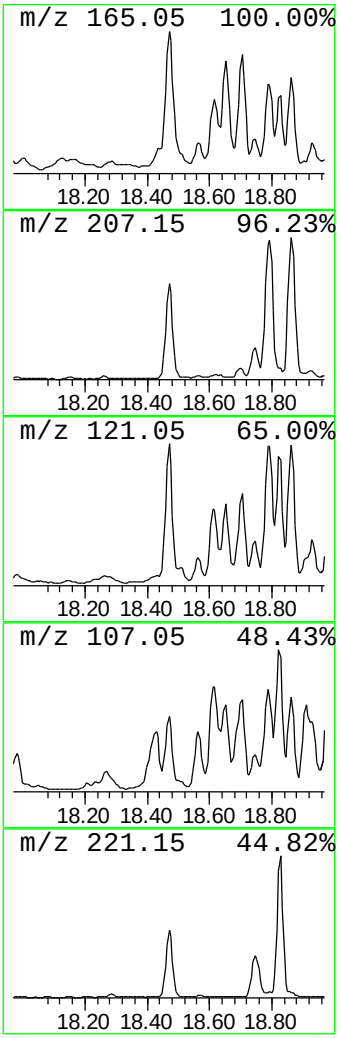
Peak Number 14 unknown18.47 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	172.39 ng	22794400	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, monoamide, N-meth...	207	C12H17NO2	1000339-98-1	38
2	(p-Butylphenoxy)acetic acid	208	C12H16O3	086167-21-7	35
3	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	22
4	1-Dimethylisopropylsilyloxy-3-me...	208	C12H20OSi	1000307-90-8	22
5	s-Triazolo[4,3-a]pyridine-3-thio...	165	C7H7N3S	004926-22-1	16





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Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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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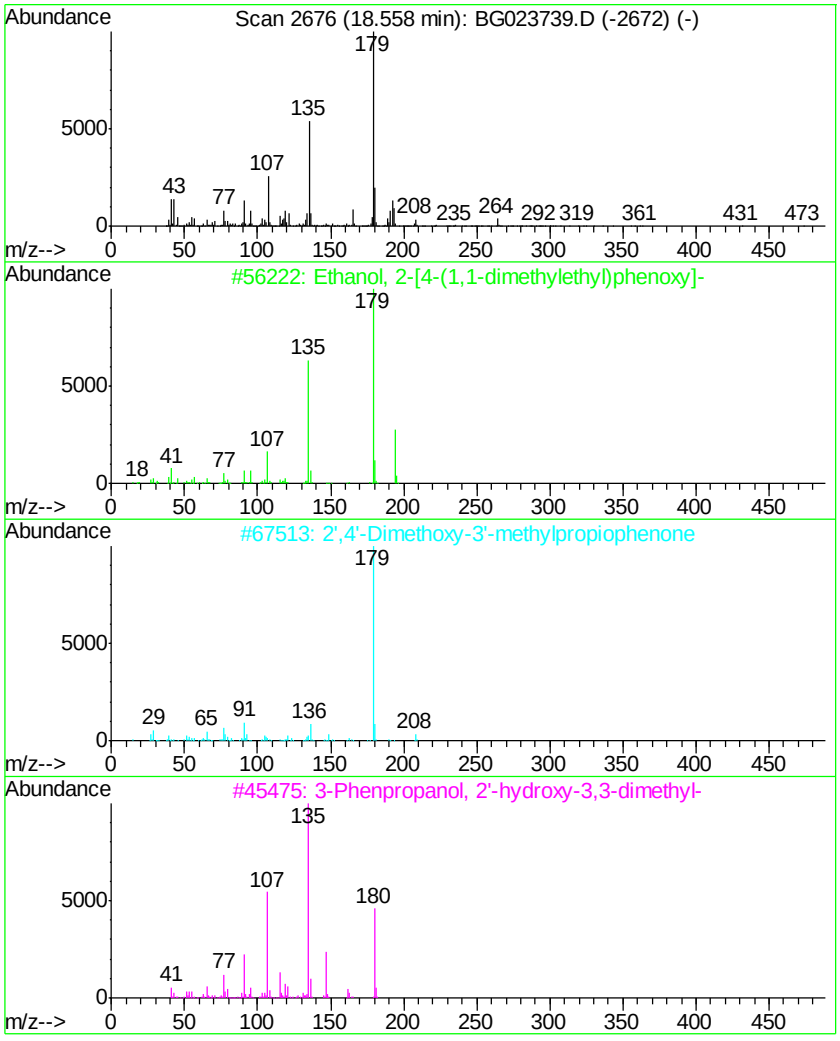
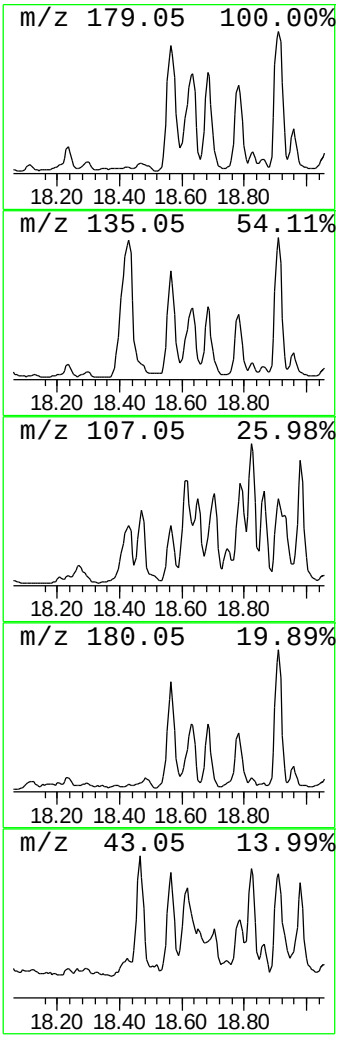
Peak Number 15 Ethanol, 2-[4-(1,1-dimethyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	115.22 ng	15235000	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	53
2	2',4'-Dimethoxy-3'-methylpropiop...	208	C12H16O3	077942-13-3	38
3	3-Phenpropanol, 2'-hydroxy-3,3-d...	180	C11H16O2	040614-20-8	18
4	1,3-Benzodioxole-5-propanal, .al...	192	C11H12O3	001205-17-0	15
5	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	14





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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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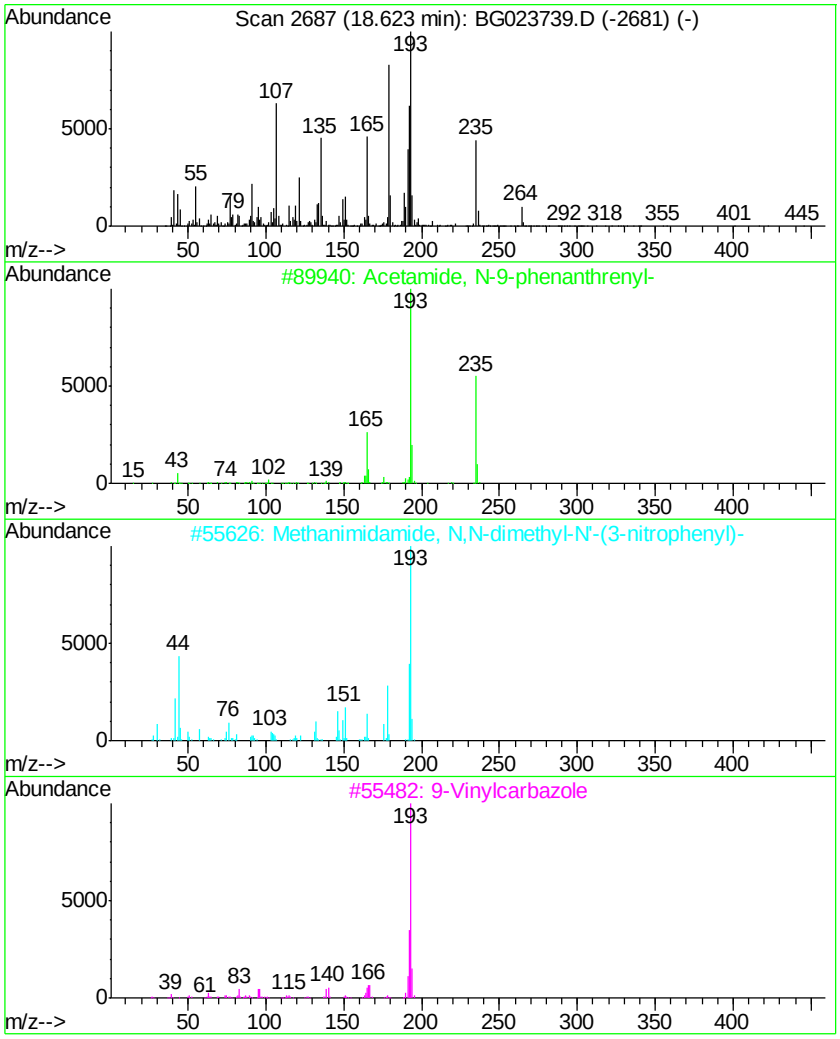
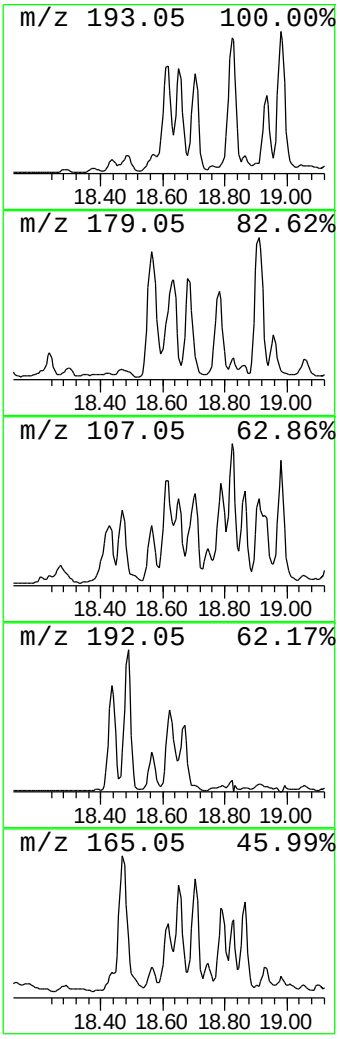
Peak Number 16 unknown18.62 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	160.05 ng	21162500	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-9-phenanthrenyl-	235	C16H13NO	004235-09-0	41
2	Methanimidamide, N,N-dimethyl-N'...	193	C9H11N3O2	002103-47-1	38
3	9-Vinylcarbazole	193	C14H11N	001484-13-5	27
4	1-Anthracenamine	193	C14H11N	000610-49-1	27
5	2-Anthracenamine	193	C14H11N	000613-13-8	27





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ClientSampleId : AW-1

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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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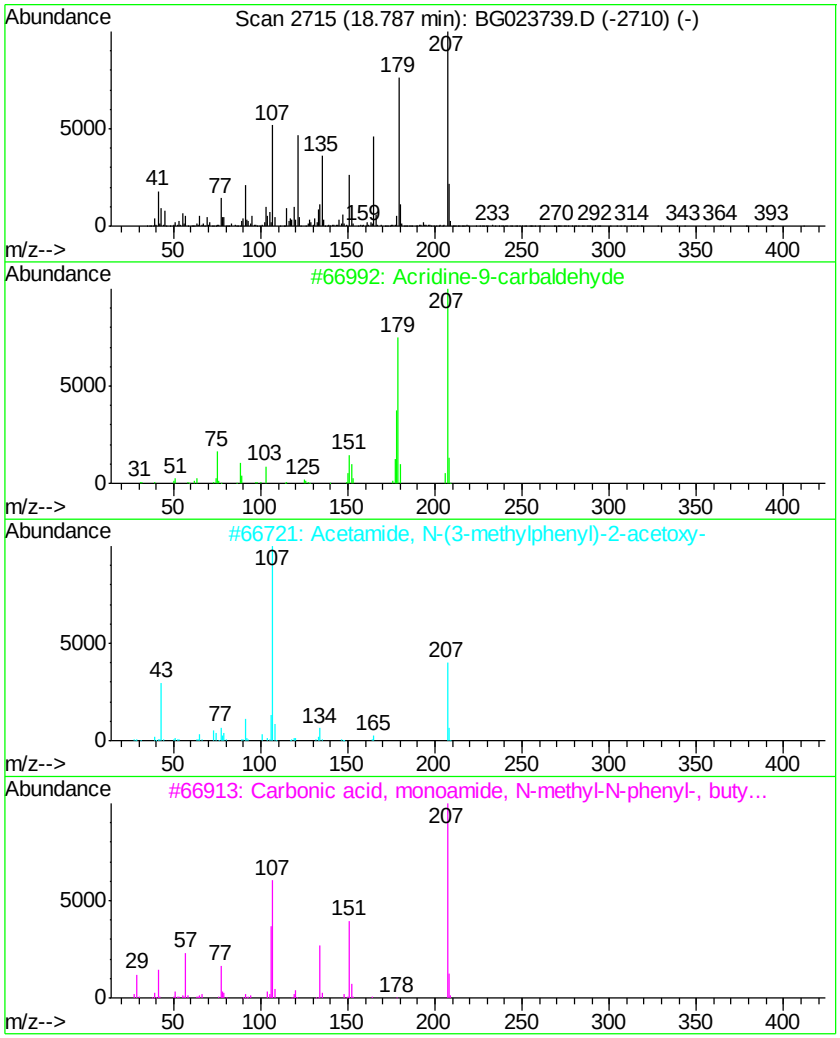
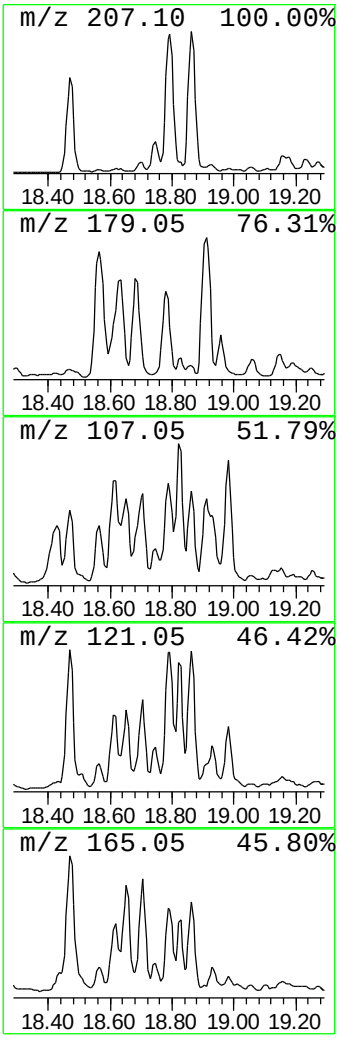
Peak Number 17 unknown18.79 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	131.57 ng	17397100	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine-9-carbaldehyde	207	C14H9NO	1000318-45-4	43
2	Acetamide, N-(3-methylphenyl)-2-...	207	C11H13NO3	1000307-09-1	35
3	Carbonic acid, monoamide, N-meth...	207	C12H17NO2	1000339-98-1	35
4	.alpha.,.alpha.-Diisopropyl-o-me...	222	C14H22O2	010277-90-4	22
5	4-Amino-5,6-dimethylthiopheno[2,...	179	C8H9N3S	004994-89-2	22





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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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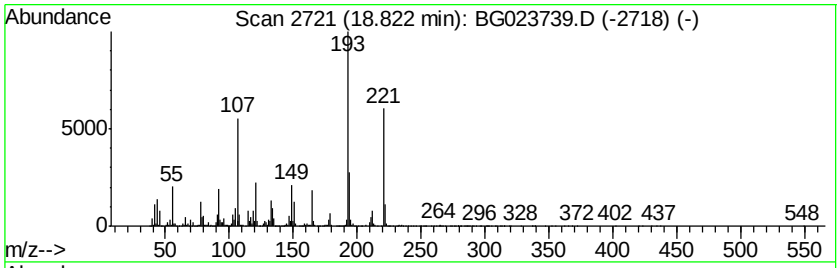
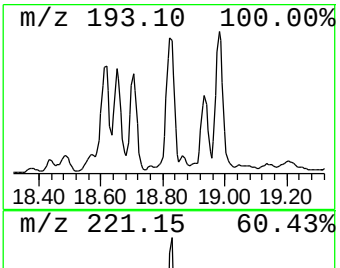
Peak Number 18 unknown18.82 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	140.82 ng	18620300	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbamic acid, 3-methylphenyl-, ...	193	C11H15NO2	1000314-76-5	46
2	Desoxy-minoxidyl	193	C9H15N5	1000246-13-2	30
3	6-Hydroxy-7-nitrotetralin	193	C10H11NO3	006240-79-5	27
4	Pyrazole, 5-methyl-3-(5-nitro-2-...	193	C8H7N3O3	016239-90-0	22
5	Oxazole, 2,5-diphenyl-	221	C15H11NO	000092-71-7	18





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Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

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

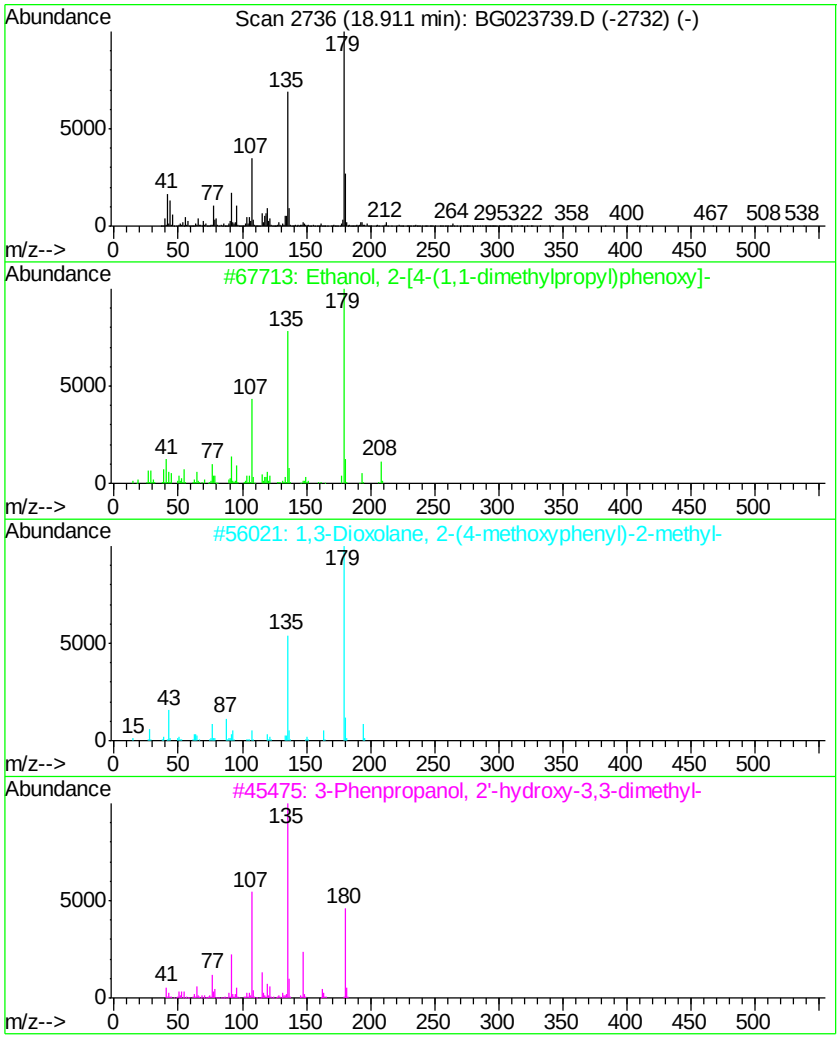
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

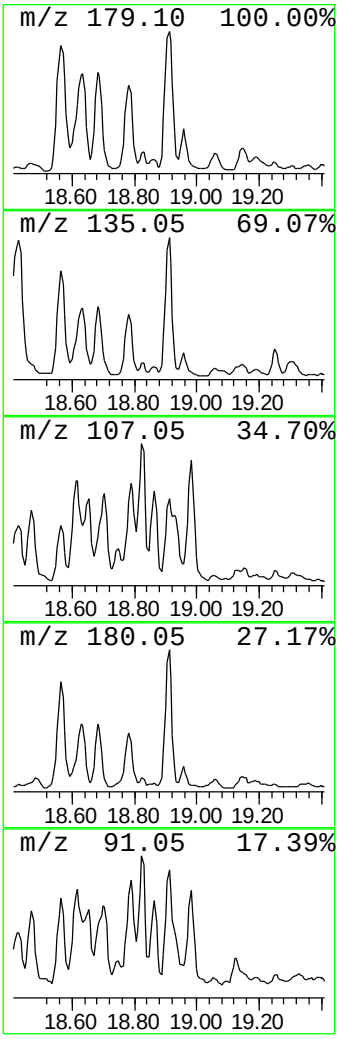
****

Peak Number 19 Ethanol, 2-[4-(1,1-dimethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	163.97 ng	21681200	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[4-(1,1-dimethylpropy...	208	C13H20O2	006382-07-6	78
2	1,3-Dioxolane, 2-(4-methoxypheny...	194	C11H14O3	036881-00-2	59
3	3-Phenpropanol, 2'-hydroxy-3,3-d...	180	C11H16O2	040614-20-8	45
4	2,4-Dimethoxyphenyl isocyanate	179	C9H9NO3	084370-87-6	43
5	Oxiranecarboxylic acid, 3-phenyl...	192	C11H12O3	002272-55-1	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

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

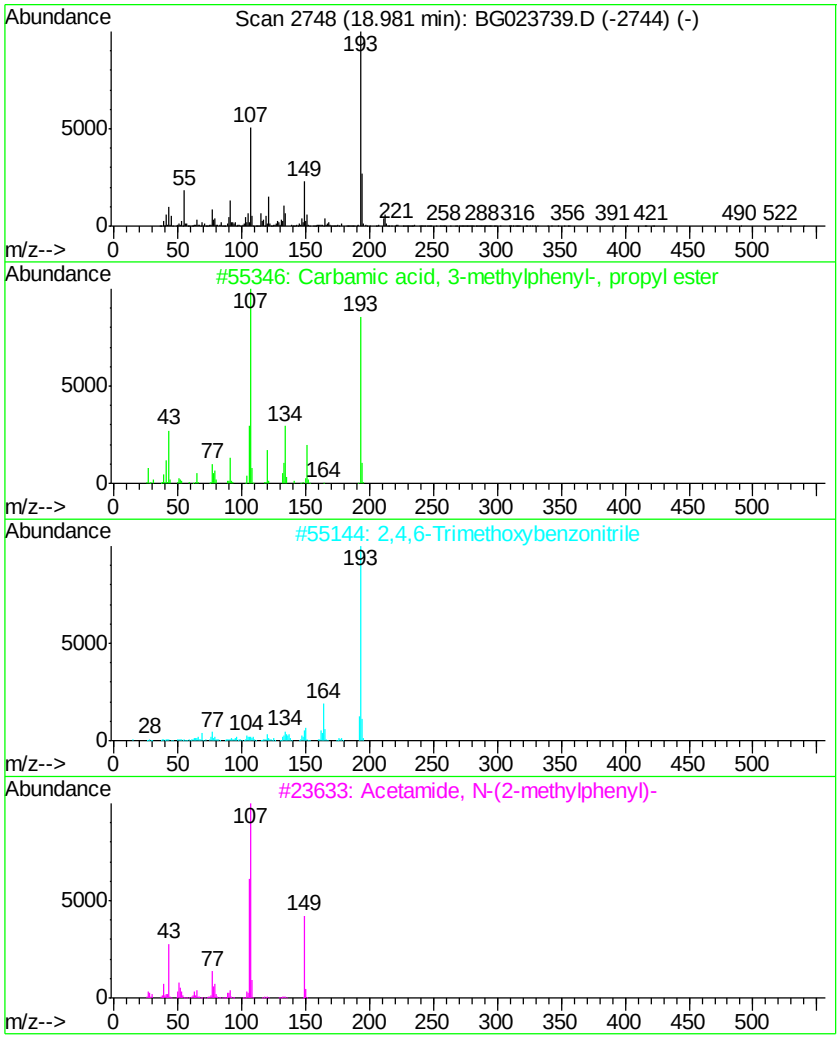
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

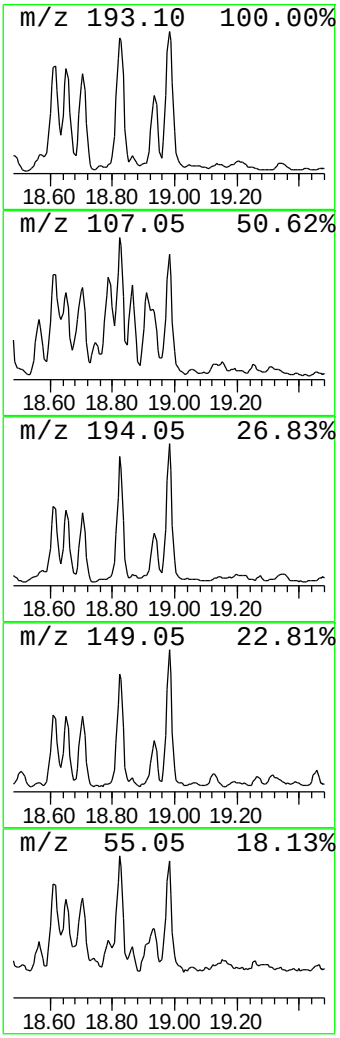
****

Peak Number 20 Carbamic acid, 3-methylphen... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	122.33 ng	16175200	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbamic acid, 3-methylphenyl-, ...	193	C11H15NO2	1000314-76-5	50
2	2,4,6-Trimethoxybenzonitrile	193	C10H11NO3	002571-54-2	35
3	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	35
4	2-Phenylindolizine	193	C14H11N	025379-20-8	35
5	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081616\
Data File : BG023739.D
Acq On : 16 Aug 2016 22:26
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-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
2-Propanol, 1-(2-...	7.63	101.2	ng	9479270	1	8.10	1872940	20.0
unknown12.01	12.01	232.1	ng	15646700	2	10.94	1348040	20.0
Methyl 2-(2-(2-et...	12.20	1304.6	ng	87935300	2	10.94	1348040	20.0
unknown12.31	12.31	327.1	ng	22048500	2	10.94	1348040	20.0
unknown12.41	12.41	244.0	ng	16445500	2	10.94	1348040	20.0
2-(2-(2-(2-Methox...	12.47	601.6	ng	40548800	2	10.94	1348040	20.0
unknown12.52	12.52	439.7	ng	29637700	2	10.94	1348040	20.0
unknown16.52	16.52	143.6	ng	18986200	4	17.56	2644530	20.0
Phenol, 4-(1,1-di...	16.63	166.7	ng	22045000	4	17.56	2644530	20.0
unknown16.69	16.69	166.4	ng	22006500	4	17.56	2644530	20.0
unknown16.95	16.95	162.2	ng	21452800	4	17.56	2644530	20.0
unknown18.47	18.47	172.4	ng	22794400	4	17.56	2644530	20.0
Ethanol, 2-[4-(1,...	18.56	115.2	ng	15235000	4	17.56	2644530	20.0
unknown18.62	18.62	160.1	ng	21162500	4	17.56	2644530	20.0
unknown18.79	18.79	131.6	ng	17397100	4	17.56	2644530	20.0
unknown18.82	18.82	140.8	ng	18620300	4	17.56	2644530	20.0
Ethanol, 2-[4-(1,...	18.91	164.0	ng	21681200	4	17.56	2644530	20.0
Carbamic acid, 3-...	18.98	122.3	ng	16175200	4	17.56	2644530	20.0