LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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	5.171	390	397	408	rBV	683437	1153276	9.82%	0.710%
2	5.647	471	478	490	rBV	1743792	2991379	25.47%	1.842%
3	7.268	742	754	765	rBV	1562061	2970935	25.30%	1.830%
4	7.633	809	816	829	rBV	2202105	4233246	36.05%	2.607%
5	7.738	830	834	841	rVB3	104692	178822	1.52%	0.110%
6	7.868	851	856	867	rBV2	131251	254981	2.17%	0.157%
7	8.108	891	897	902	rBV	446976	752512	6.41%	0.463%
8	8.432	940	952	958	rBV	1735485	3256563	27.73%	2.006%
9	9.219	1075	1086	1090	rBV3	120127	237461	2.02%	0.146%
10	9.289	1090	1098	1111	rVB	1647668	3213420	27.36%	1.979%
11	9.747	1170	1176	1181	rBV	110182	173690	1.48%	0.107%
12	9.806	1181	1186	1190	rBV2	110882	194700	1.66%	0.120%
13	10.176	1244	1249	1257	rVB3	129349	264330	2.25%	0.163%
14	10.329	1269	1275	1282	rBV4	344977	670705	5.71%	0.413%
15	10.940	1366	1379	1384	rBV	725652	1635982	13.93%	1.008%
16	10.993	1384	1388	1393	rVV	393880	721241	6.14%	0.444%
17	11.046	1393	1397	1406	rVB3	94224	256749	2.19%	0.158%
18	11.850	1529	1534	1540	rVB2	178581	343017	2.92%	0.211%
19	11.980	1551	1556	1562	rVV3	235049	499830	4.26%	0.308%
20	12.044	1562	1567	1572	rVB2	134920	222530	1.89%	0.137%
21	12.109	1572	1578	1581	rBV	1080083	1820739	15.50%	1.121%
22	12.150	1581	1585	1586	rVV	1128538	1505216	12.82%	0.927%
23	12.174	1587	1589	1593	rVV	1375115	1841759	15.68%	1.134%
24	12.215	1593	1596	1611	rVB	1018083	1709401	14.56%	1.053%
25	12.356	1616	1620	1622	rVV2	454510	679105	5.78%	0.418%
26	12.391	1622	1626	1631	rVV3	819800	1650087	14.05%	1.016%
27	12.438	1631	1634	1642	rVB	598617	990091	8.43%	0.610%
28	12.602	1657	1662	1671	rVB2	893172	1789756	15.24%	1.102%
29	12.820	1689	1699	1708	rBV	920442	1925549	16.40%	1.186%
30	13.284	1772	1778	1787	rVB7	146353	314073	2.67%	0.193%
31	13.395	1788	1797	1807	rBV	4405140	7006891	59.67%	4.316%
32	13.613	1830	1834	1843	rVB3	123789	202170	1.72%	0.125%
33	13.701	1845	1849	1854	rBV2	108994	170393	1.45%	0.105%
34	13.807	1862	1867	1879	rVB	352542	876910	7.47%	0.540%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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	13.953	1880	1892	1898	rBV3	740572	2075193	17.67%	1.278%
36	14.094	1910	1916	1921	rBV	1036701	1899704	16.18%	1.170%
37	14.147	1921	1925	1932	rVB	610522	899783	7.66%	0.554%
38	14.224	1934	1938	1943	rVB2	381524	546461	4.65%	0.337%
39	14.282	1943	1948	1952	rBV5	167412	340738	2.90%	0.210%
40	14.335	1952	1957	1961	rBV	355011	476018	4.05%	0.293%
41	14.500	1977	1985	1992	rVB3	387958	737061	6.28%	0.454%
42	14.741	2020	2026	2027	rBV5	104576	172931	1.47%	0.107%
43	14.782	2027	2033	2038	rVB2	1189464	1951572	16.62%	1.202%
44	14.905	2051	2054	2060	rVB5	136618	216155	1.84%	0.133%
45	14.981	2061	2067	2077	rBV	469086	1231757	10.49%	0.759%
46	15.070	2078	2082	2089	rVV7	127419	247598	2.11%	0.153%
47	15.175	2093	2100	2107	rVB2	581263	1092647	9.30%	0.673%
48	15.252	2107	2113	2119	rBV	502046	878589	7.48%	0.541%
49	15.393	2132	2137	2142	rBV	421552	718658	6.12%	0.443%
50	15.446	2142	2146	2151	rVB	457260	666596	5.68%	0.411%
51	15.563	2157	2166	2170	rBV4	324749	886547	7.55%	0.546%
52	15.598	2170	2172	2177	rVB	332320	397757	3.39%	0.245%
53	15.827	2206	2211	2215	rBV3	166773	353108	3.01%	0.217%
54	15.874	2216	2219	2223	rVB2	122232	163525	1.39%	0.101%
55	15.957	2230	2233	2237	rBV	293598	422029	3.59%	0.260%
56	16.004	2237	2241	2244	rVB4	243503	340593	2.90%	0.210%
57	16.098	2252	2257	2262	rBV7	130640	298965	2.55%	0.184%
58	16.209	2271	2276	2280	rBV	588077	1038015	8.84%	0.639%
59	16.244	2280	2282	2284	rVV2	382214	462995	3.94%	0.285%
60	16.286	2284	2289	2295	rVV	3535346	5430033	46.24%	3.344%
61	16.338	2295	2298	2302	rVB2	191733	238555	2.03%	0.147%
62	16.515	2318	2328	2337	rVB2	1752791	3366002	28.66%	2.073%
63	16.609	2338	2344	2348	rBV	3623557	5528301	47.08%	3.405%
64	16.667	2348	2354	2360	rVV2	3314558	7550934	64.30%	4.651%
65	16.732	2360	2365	2369	rVV2	3869270	5971345	50.85%	3.678%
66	16.773	2369	2372	2377	rVV	2328597	3324619	28.31%	2.048%
67	16.850	2377	2385	2388	rVV	1629785	3675768	31.30%	2.264%
68	16.879	2388	2390	2393	rVV	1122049	1517728	12.92%	0.935%
69	16.932	2394	2399	2406	rVV4	3034627	6168141	52.53%	3.799%
70	17.002	2406	2411	2414	rVV	3744327	5640311	48.03%	3.474%
71	17.038	2414	2417	2420	rVV	1079935	1703467	14.51%	1.049%

LSC Area Percent Report

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Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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
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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	17.073	2420	2423	2429	rVB2	1935643	2951913	25.14%	1.818%
73	17.202	2441	2445	2450	rVB5	137174	270463	2.30%	0.167%
74	17.320	2461	2465	2471	rVB2	417468	608407	5.18%	0.375%
75	17.372	2471	2474	2478	rVB4	118211	160634	1.37%	0.099%
76	17.549	2497	2504	2509	rBV	1337965	2285569	19.46%	1.408%
77	17.590	2509	2511	2516	rVB	360647	493254	4.20%	0.304%
78	17.907	2558	2565	2569	rBV2	270904	652704	5.56%	0.402%
79	18.353	2636	2641	2648	rBV	348152	679018	5.78%	0.418%
80	18.430	2649	2654	2657	rBV	2778624	4191699	35.70%	2.582%
81	18.553	2670	2675	2679	rBV2	654750	1146598	9.76%	0.706%
82	18.606	2679	2684	2691	rVV4	565681	1790048	15.24%	1.103%
83	18.665	2691	2694	2695	rBV	229674	218554	1.86%	0.135%
84	18.765	2707	2711	2715	rBV2	872036	1332824	11.35%	0.821%
85	18.800	2715	2717	2721	rVV	691737	843905	7.19%	0.520%
86	18.841	2721	2724	2728	rVB	535675	670300	5.71%	0.413%
87	18.888	2728	2732	2735	rBV	664406	925520	7.88%	0.570%
88	18.958	2741	2744	2755	rVB	710244	1281293	10.91%	0.789%
89	19.217	2785	2788	2792	rBV	271217	369477	3.15%	0.228%
90	19.258	2792	2795	2799	rVB2	264687	315566	2.69%	0.194%
91	19.340	2804	2809	2813	rBV	612902	925584	7.88%	0.570%
92	19.434	2822	2825	2829	rVB2	152101	177986	1.52%	0.110%
93	19.475	2829	2832	2839	rVB4	175674	318488	2.71%	0.196%
94	19.704	2864	2871	2881	rBV	6815018	11743098	100.00%	7.233%
95	19.981	2914	2918	2923	rVB3	351514	588351	5.01%	0.362%
96	20.039	2924	2928	2933	rVB2	398040	625398	5.33%	0.385%
97	20.163	2944	2949	2953	rBV	5656763	7294273	62.12%	4.493%
98	20.768	3049	3052	3055	rBV3	229723	269698	2.30%	0.166%
99	21.872	3234	3240	3246	rBV2	1145095	2050121	17.46%	1.263%
100	25.279	3812	3820	3833	rVB	635064	1839608	15.67%	1.133%

Sum of corrected areas: 162358059

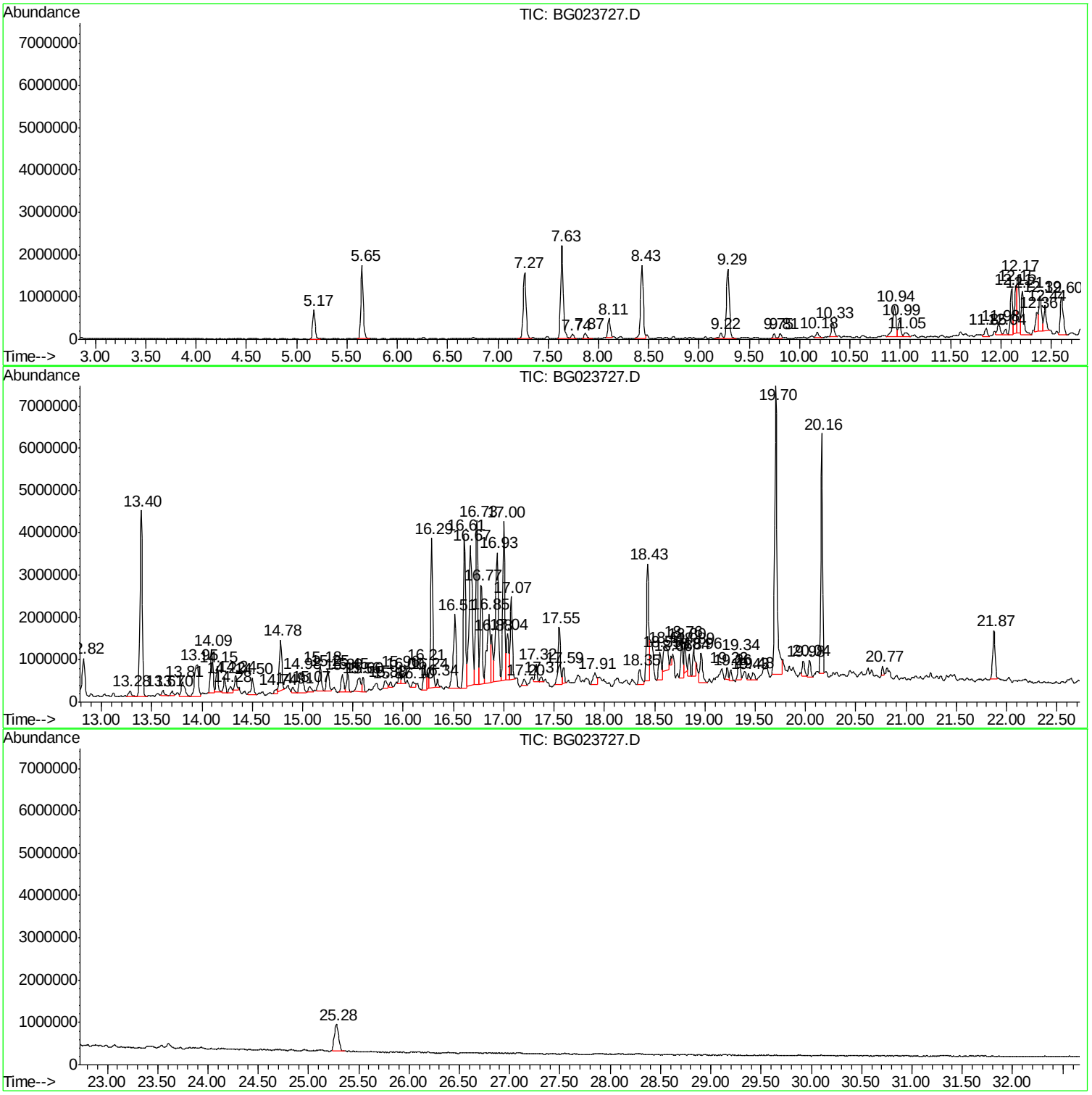
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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\BG081516\
Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-1

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

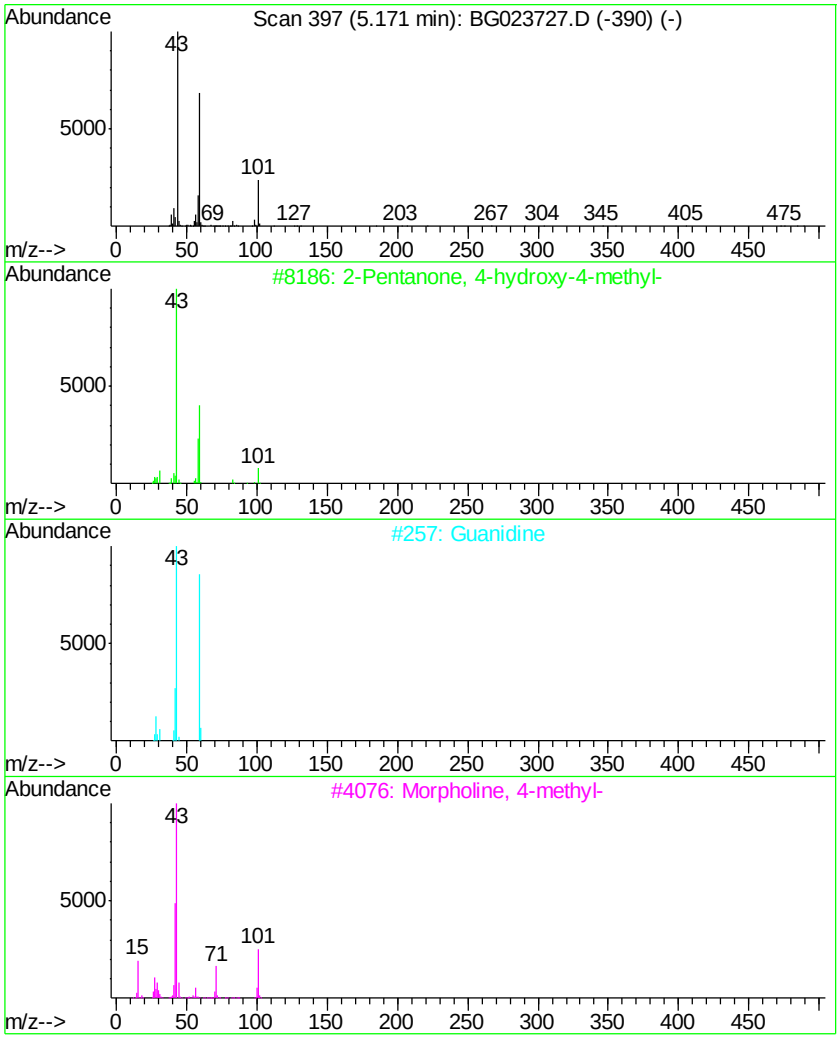
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

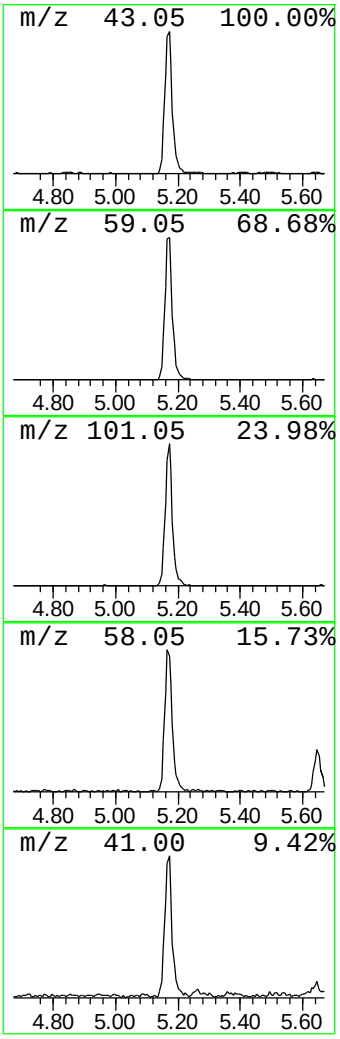
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	30.65 ng	1153280	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-1

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

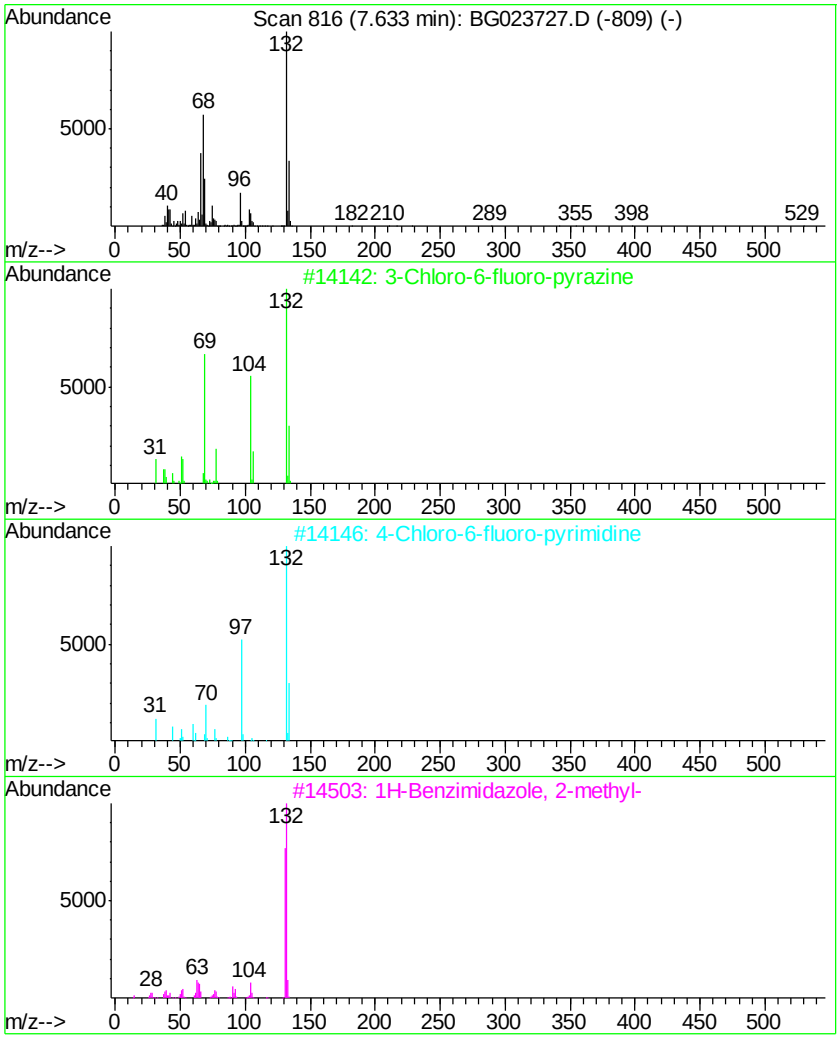
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

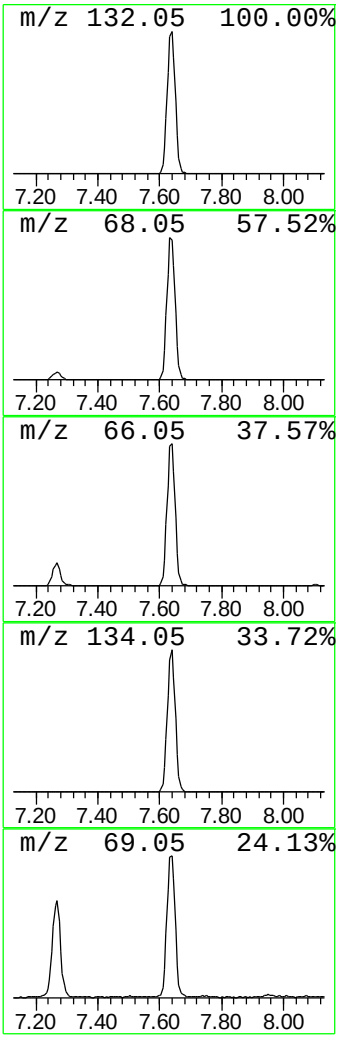
****

Peak Number 2 unknown7.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	112.51 ng	4233250	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





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Sample : H4422-04
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-1

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

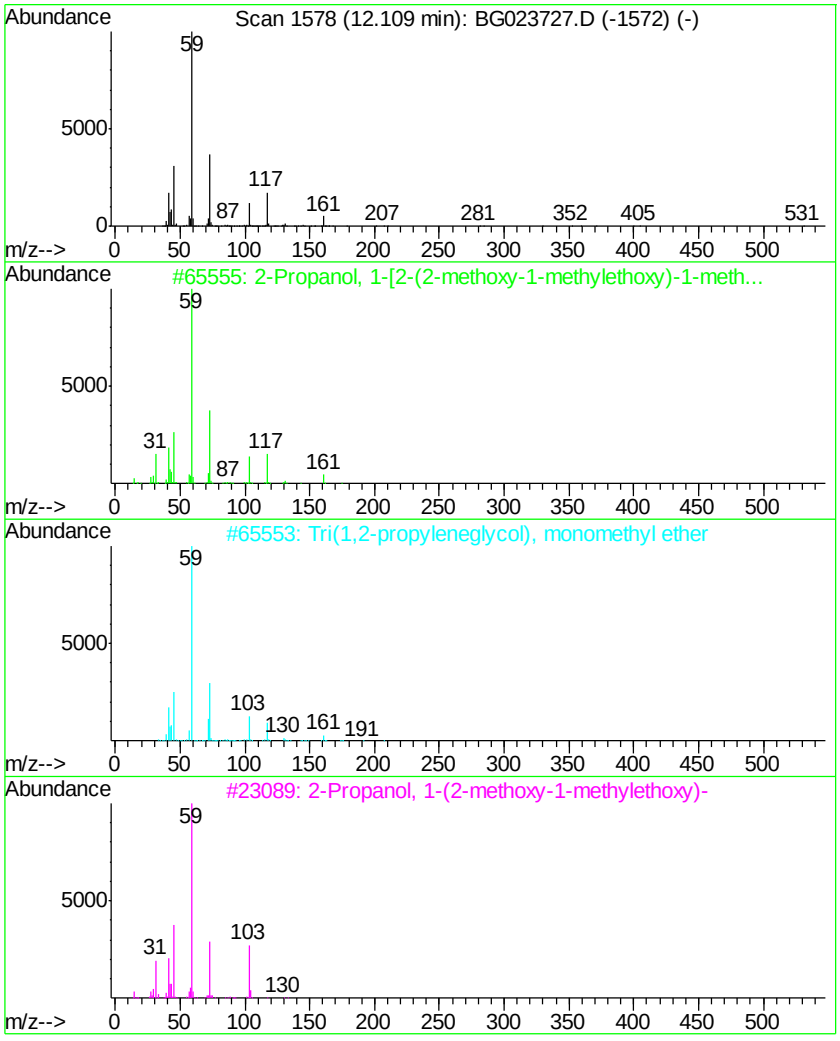
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

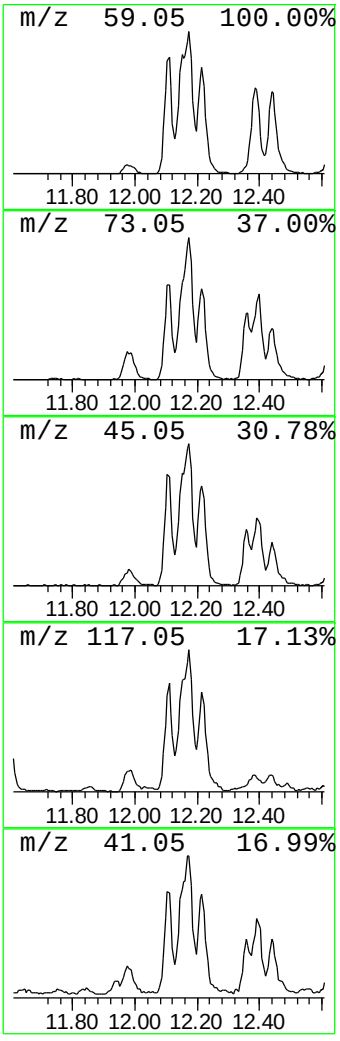
****

Peak Number 4 2-Propanol, 1-[2-(2-methoxy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	22.26 ng	1820740	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	90
2	Tri(1,2-propyleneglycol), monome...	206	C10H22O4	1000262-26-6	78
3	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	72
4	Methyl 2,5,8,11,14,17,20-heptaox...	368	C16H32O9	1000366-81-3	56
5	Methyl 2,5,8,11,14,17,20,23-octa...	412	C18H36O10	1000366-81-2	56





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-1

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

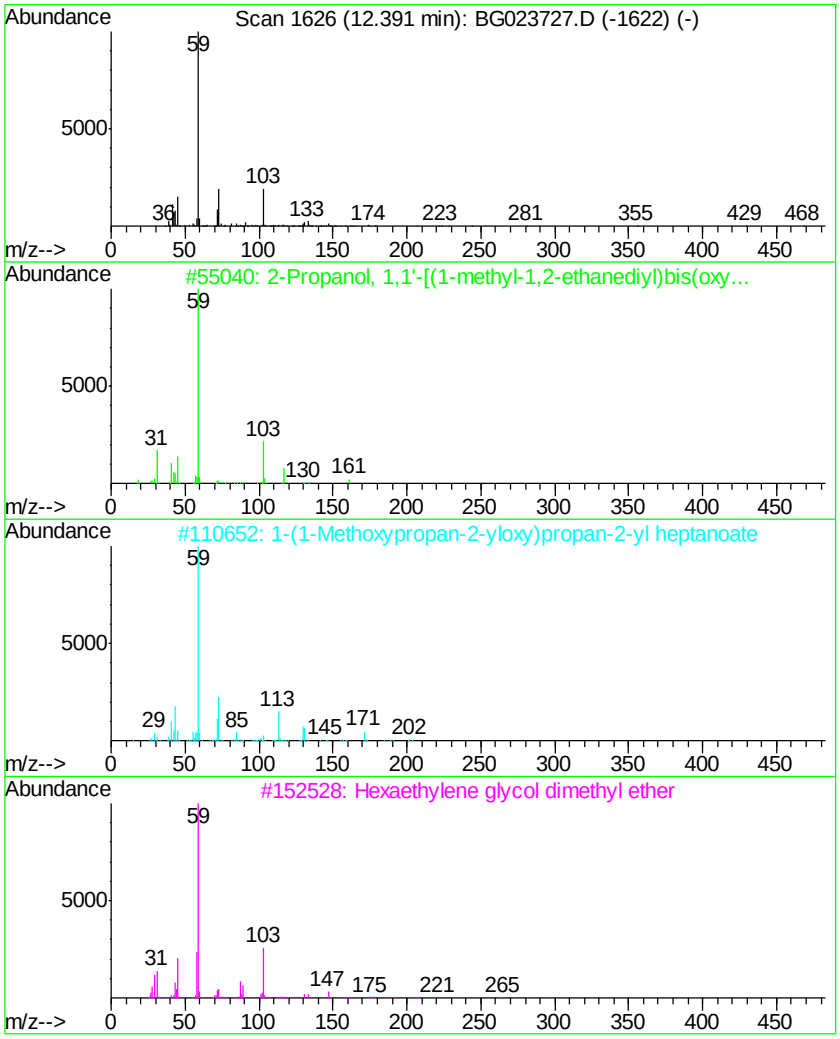
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

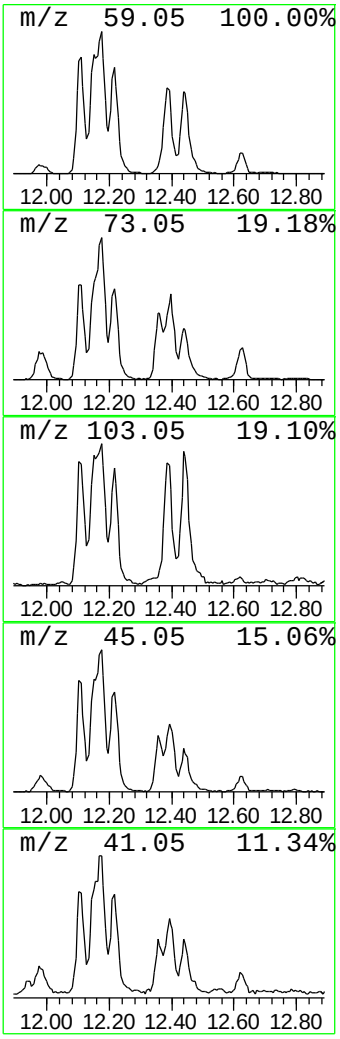
****

Peak Number 7 2-Propanol, 1,1'-[(1-methyl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	20.17 ng	1650090	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	64
2	1-(1-Methoxypropan-2-yloxy)propa...	260	C14H28O4	1000367-13-1	59
3	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	50
4	2,5,8,11,14,17-Hexaoxaoctadecane	266	C12H26O6	001191-87-3	50
5	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-1

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

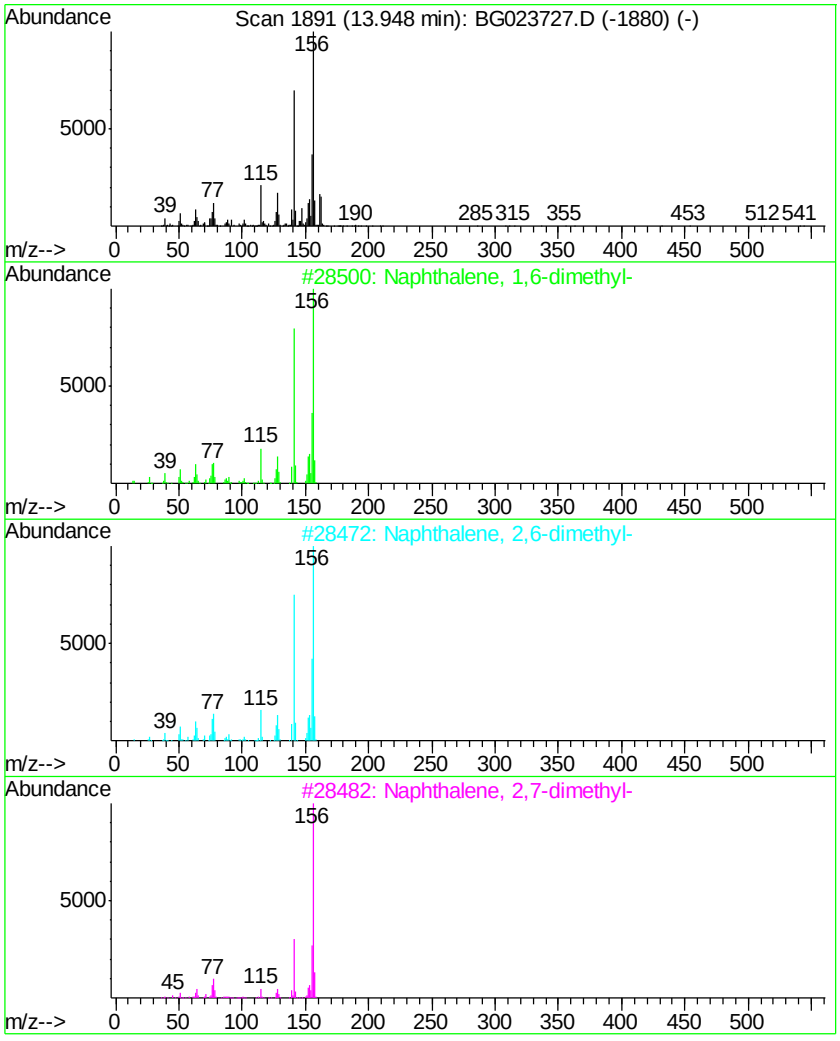
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

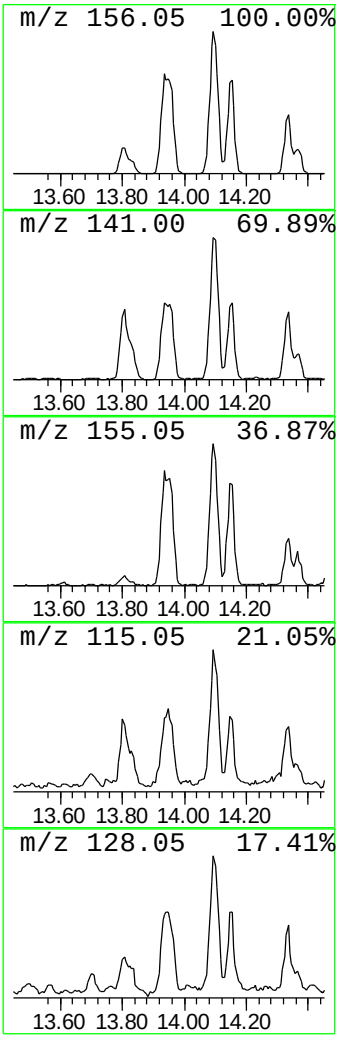
****

Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	21.27 ng	2075190	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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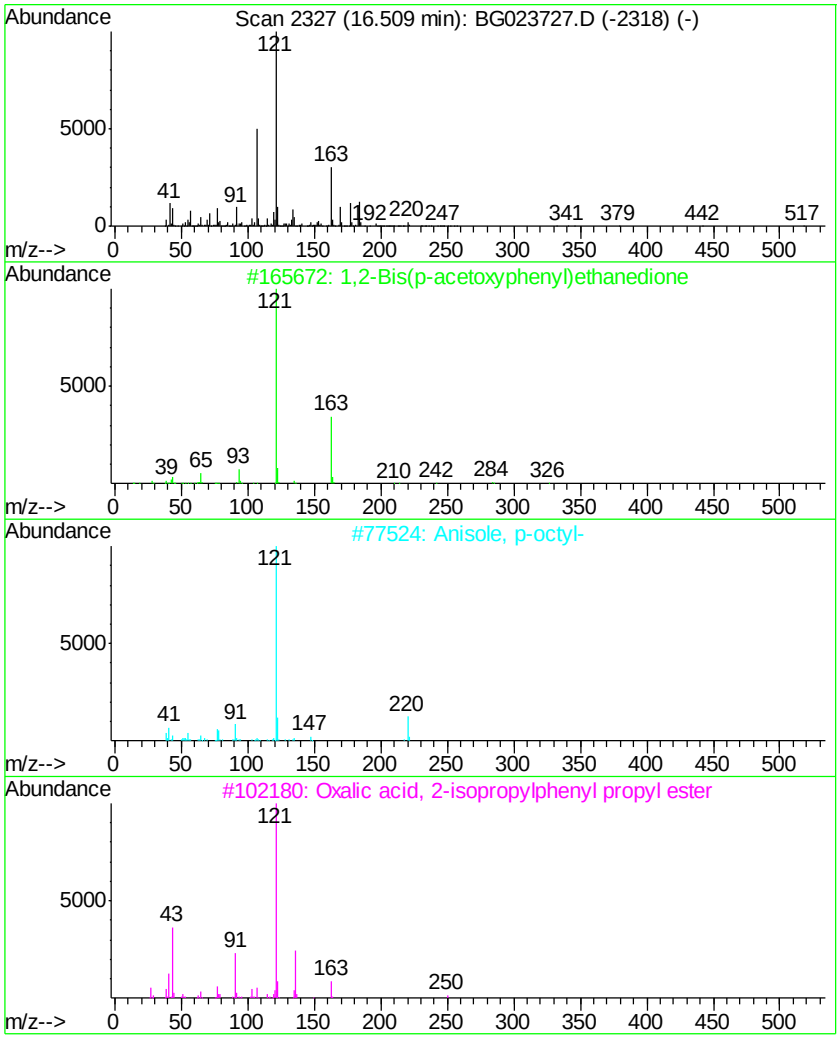
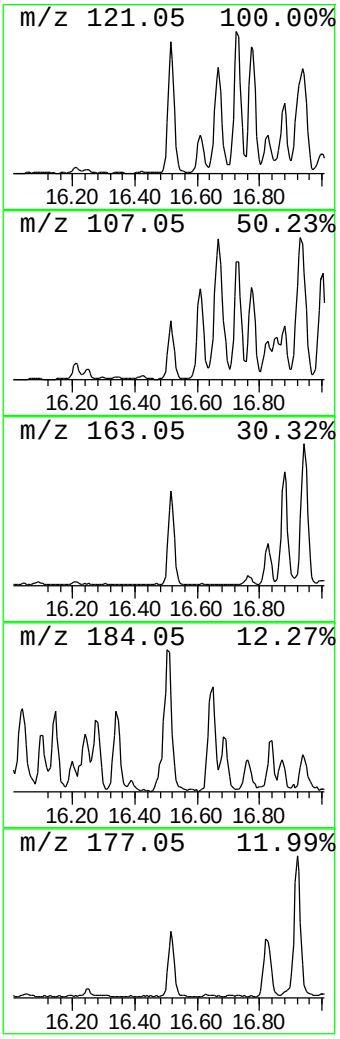
Peak Number 10 unknown16.51 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	29.45 ng	3366000	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Bis(p-acetoxyphenyl)ethanedione	326	C18H14O6	093655-79-9	47
2	Anisole, p-octyl-	220	C15H24O	003307-19-5	43
3	Oxalic acid, 2-isopropylphenyl p...	250	C14H18O4	1000309-56-1	43
4	Phenol, 2-(1-methylpropyl)-	150	C10H14O	000089-72-5	43
5	Phenol, 4-(1-methylpropyl)-	150	C10H14O	000099-71-8	43





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Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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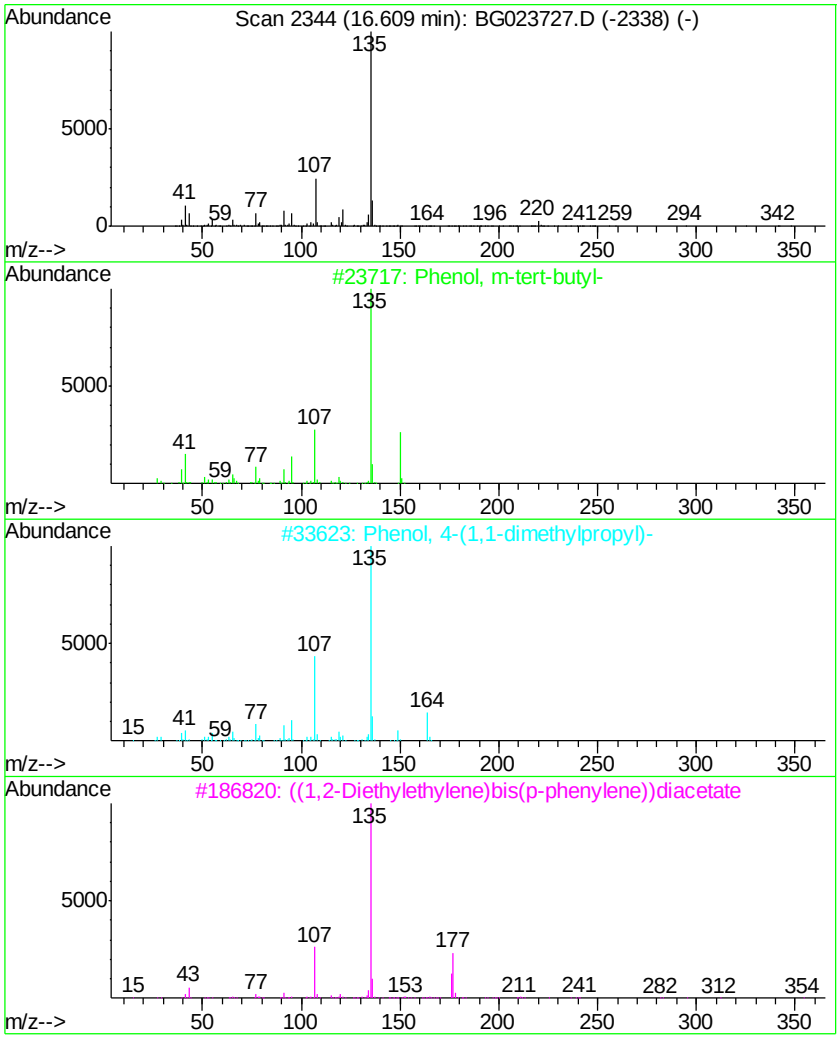
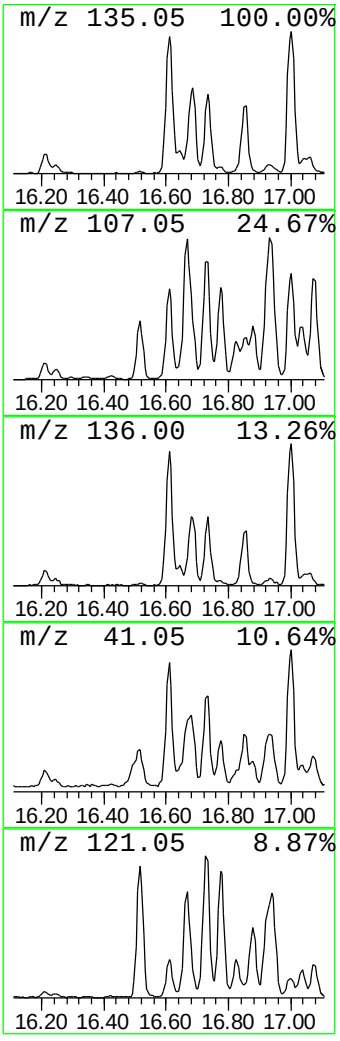
Peak Number 11 Phenol, m-tert-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	48.38 ng	5528300	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	78
2	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
3	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	72
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
5	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	64





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Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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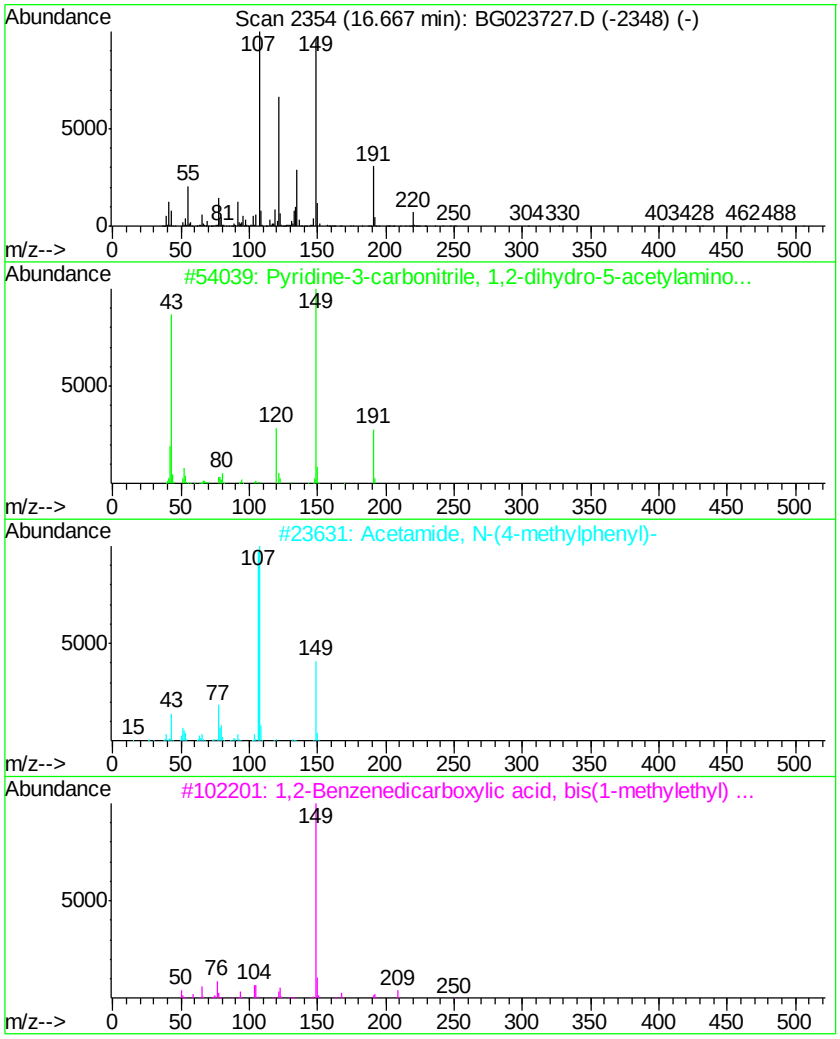
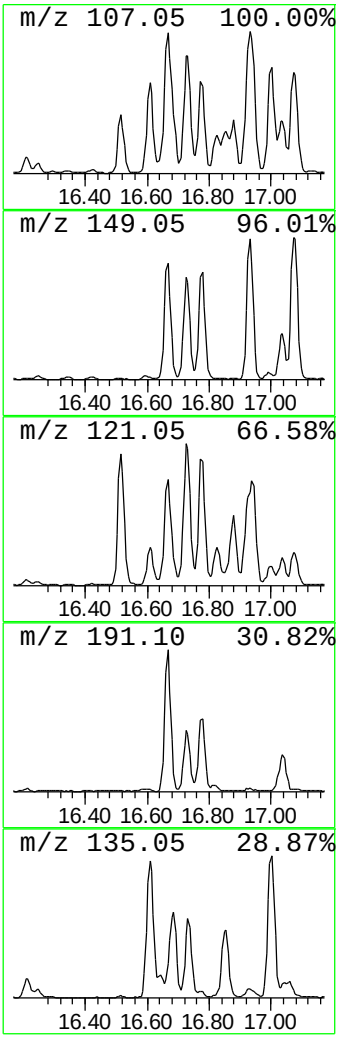
Peak Number 12 unknown16.67 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	66.07 ng	7550930	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38
2	Acetamide, N-(4-methylphenyl)-	149	C9H11NO	000103-89-9	38
3	1,2-Benzenedicarboxylic acid, bi...	250	C14H18O4	000605-45-8	30
4	Butanamide, N-(2-methylphenyl)-3...	191	C11H13NO2	000093-68-5	30
5	4-Hydroxyphenylpyruvic acid, met...	208	C11H12O4	1000332-83-9	27





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Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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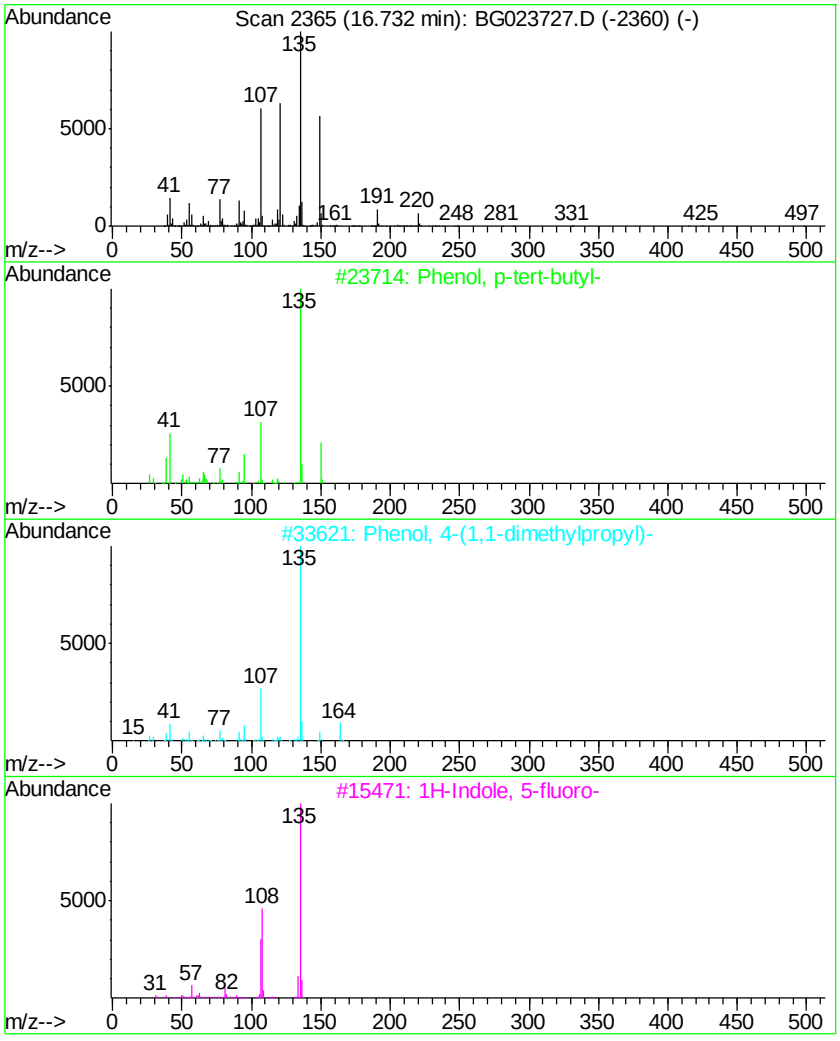
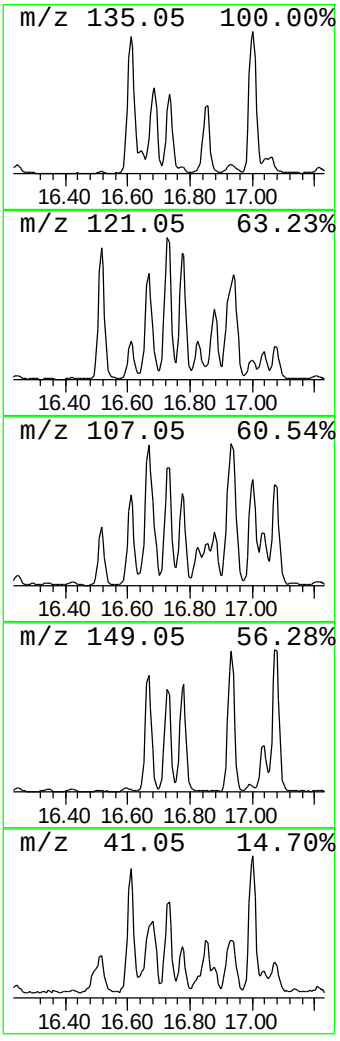
Peak Number 13 Phenol, p-tert-butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	52.25 ng	5971350	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	64
2	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	50
3	1H-Indole, 5-fluoro-	135	C8H6FN	000399-52-0	43
4	1,4-Benzoxazepin-3(2H)-one, 9-am...	192	C10H12N2O2	1000337-73-1	38
5	1-Adamantyl bromomethyl ketone	256	C12H17BrO	005122-82-7	35





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Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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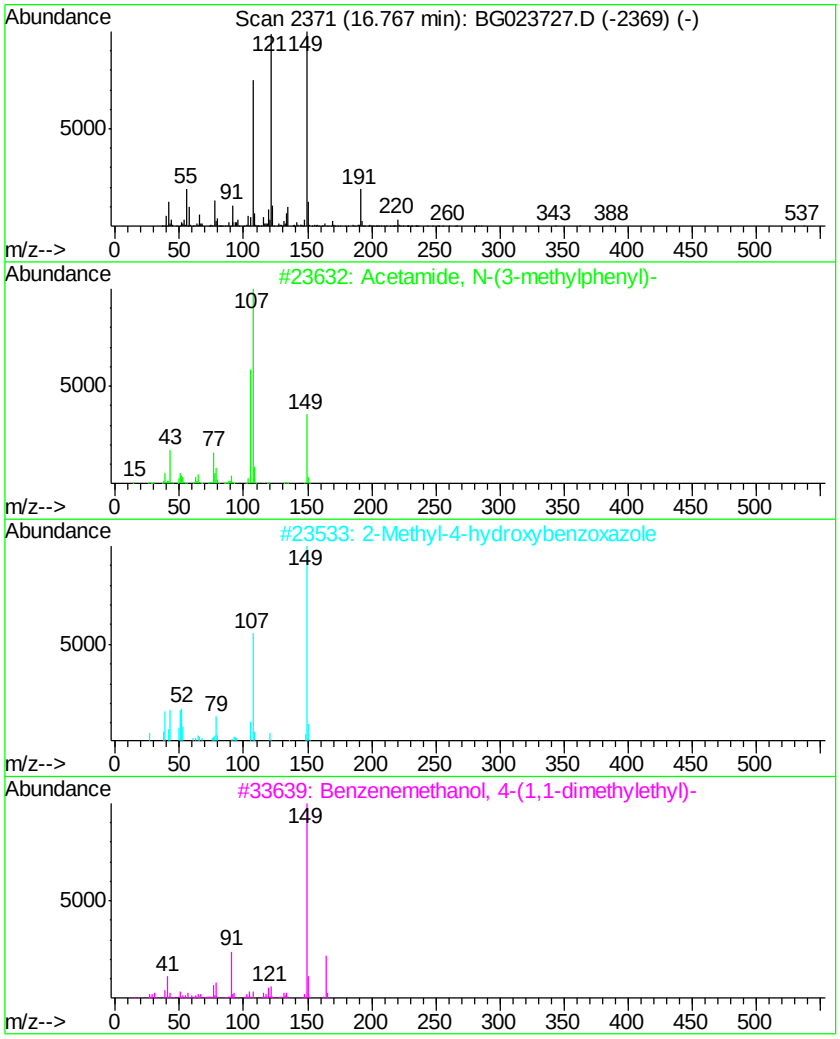
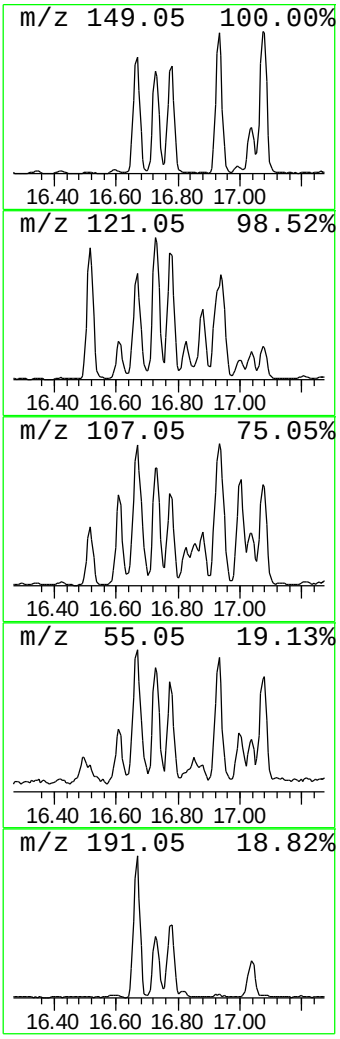
Peak Number 14 unknown16.77 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	29.09 ng	3324620	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	46
2	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	43
3	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	22
4	Bicyclo[2.2.2]octa-2,5-diene, 2-...	149	C10H15N	1000210-42-5	22
5	Isoxazole, 4,5-dihydro-5-[(4-met...	191	C11H13NO2	1000362-14-0	22





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Acq On : 15 Aug 2016 19:06
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Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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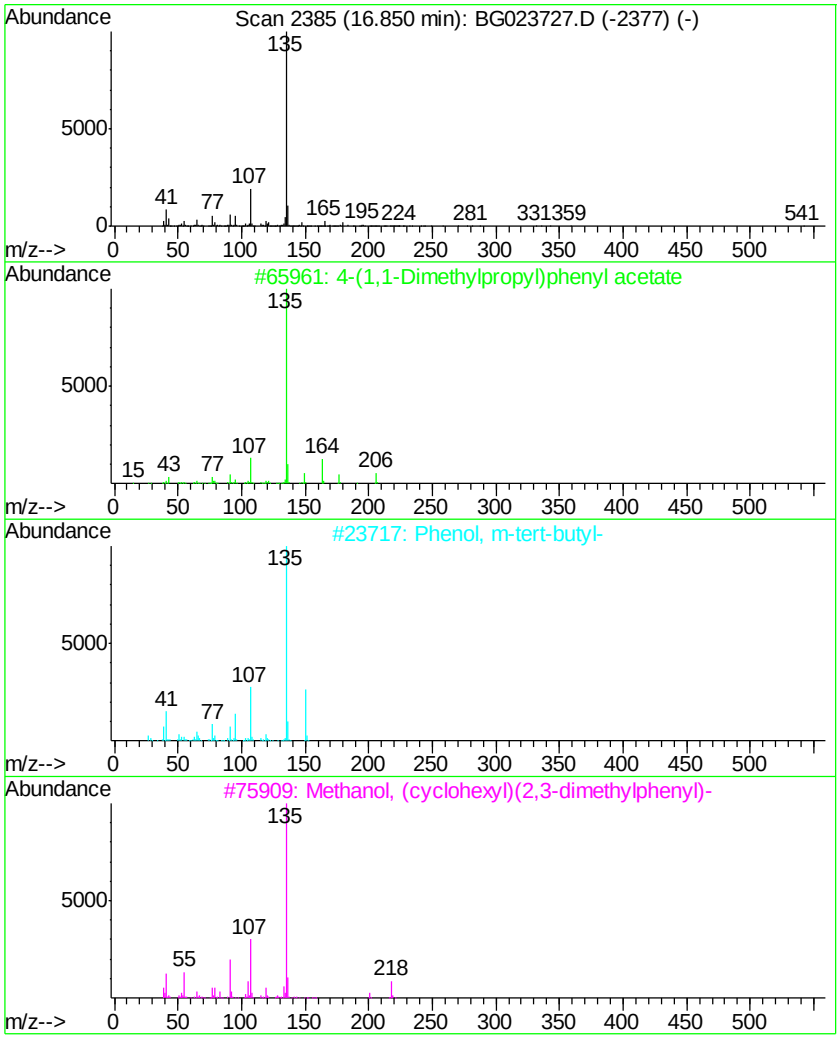
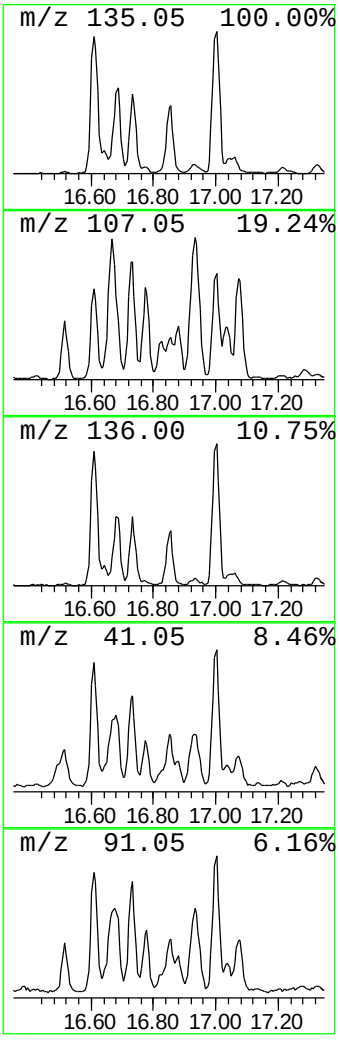
Peak Number 15 4-(1,1-Dimethylpropyl)pheny... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	32.17 ng	3675770	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	78
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	72
3	Methanol, (cyclohexyl)(2,3-dimet...	218	C15H22O	349498-47-1	72
4	Benzenesulfonamide, N-(1-adamant...	335	C18H25NO3S	1000297-54-4	72
5	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6NO2	296242-69-8	72





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Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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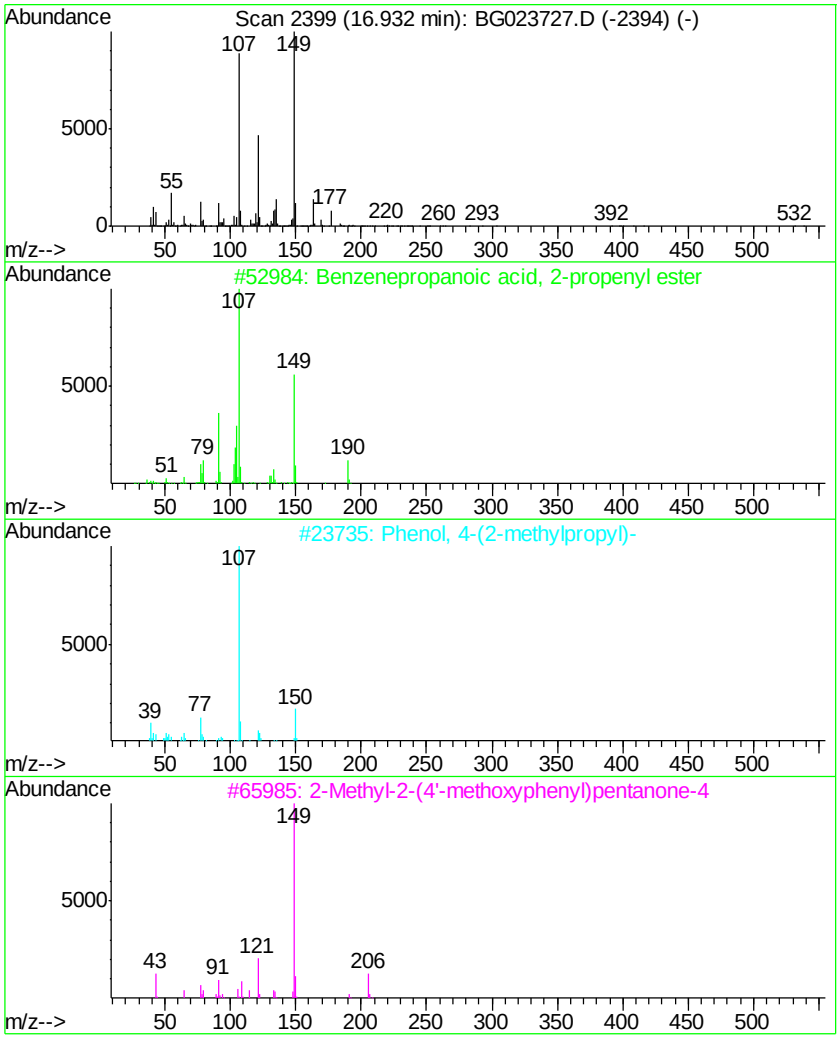
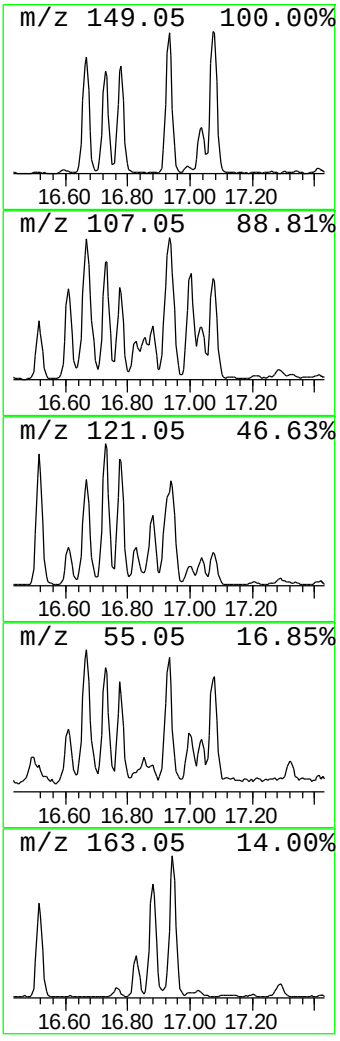
Peak Number 16 unknown16.93 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	53.97 ng	6168140	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, 2-propeny...	190	C12H14O2	015814-45-6	47
2	Phenol, 4-(2-methylpropyl)-	150	C10H14O	004167-74-2	41
3	2-Methyl-2-(4'-methoxyphenyl)pen...	206	C13H18O2	185700-49-6	38
4	2-Acetylbenzoic acid	164	C9H8O3	000577-56-0	35
5	1,2-propanedione,1-(3,4-methylen...	192	C10H8O4	1000378-93-0	35





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Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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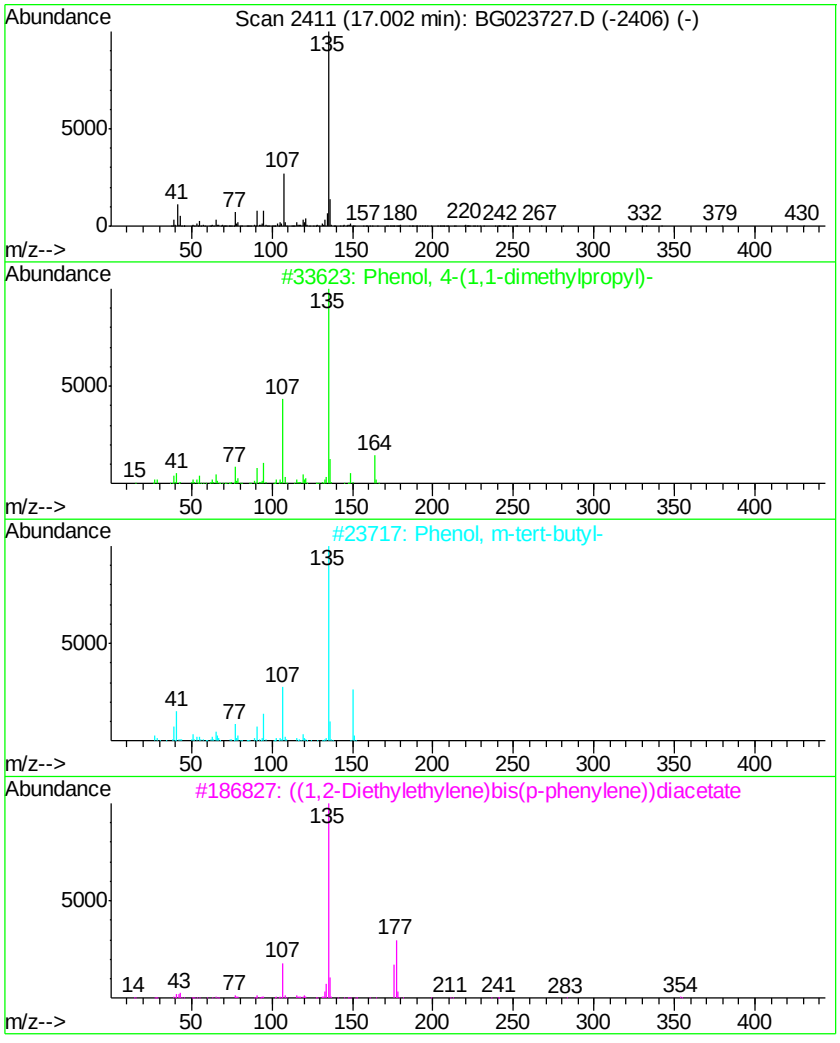
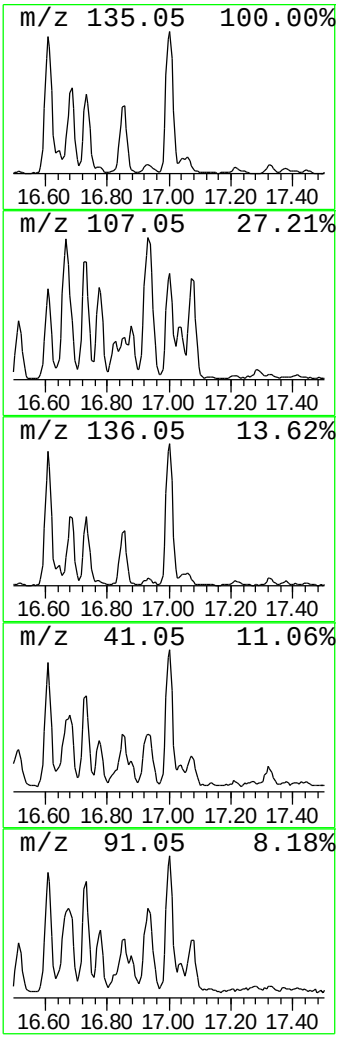
Peak Number 17 Phenol, 4-(1,1-dimethylprop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	49.36 ng	5640310	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	78
3	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	72
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
5	Hexestrol	270	C18H22O2	005635-50-7	64





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Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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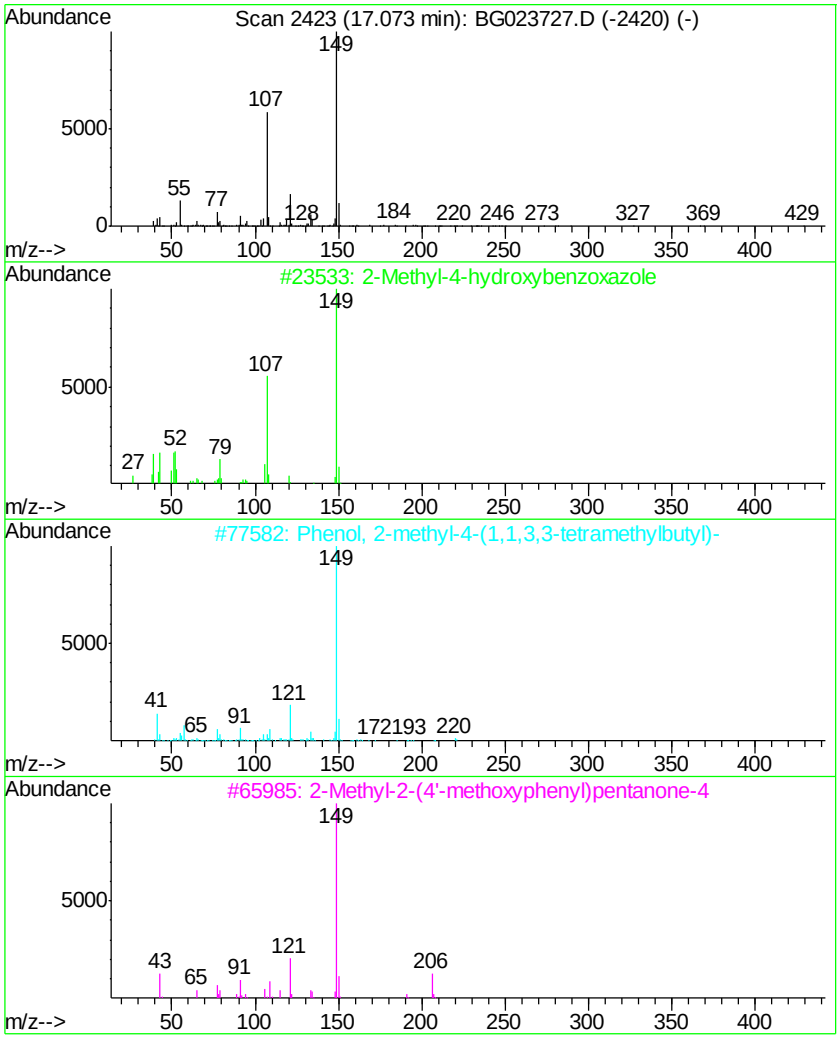
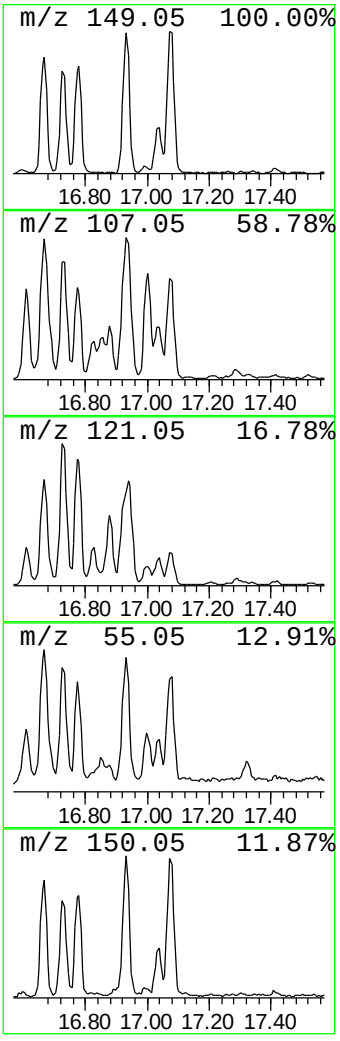
Peak Number 18 2-Methyl-4-hydroxybenzoxazole Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	25.83 ng	2951910	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	72
2	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	53
3	2-Methyl-2-(4'-methoxyphenyl)pen...	206	C13H18O2	185700-49-6	50
4	Phenol, 4-(1,1-dimethylethyl)-2-...	164	C11H16O	000098-27-1	50
5	4-Hydroxyphenylpyruvic acid, met...	208	C11H12O4	1000332-83-9	50





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Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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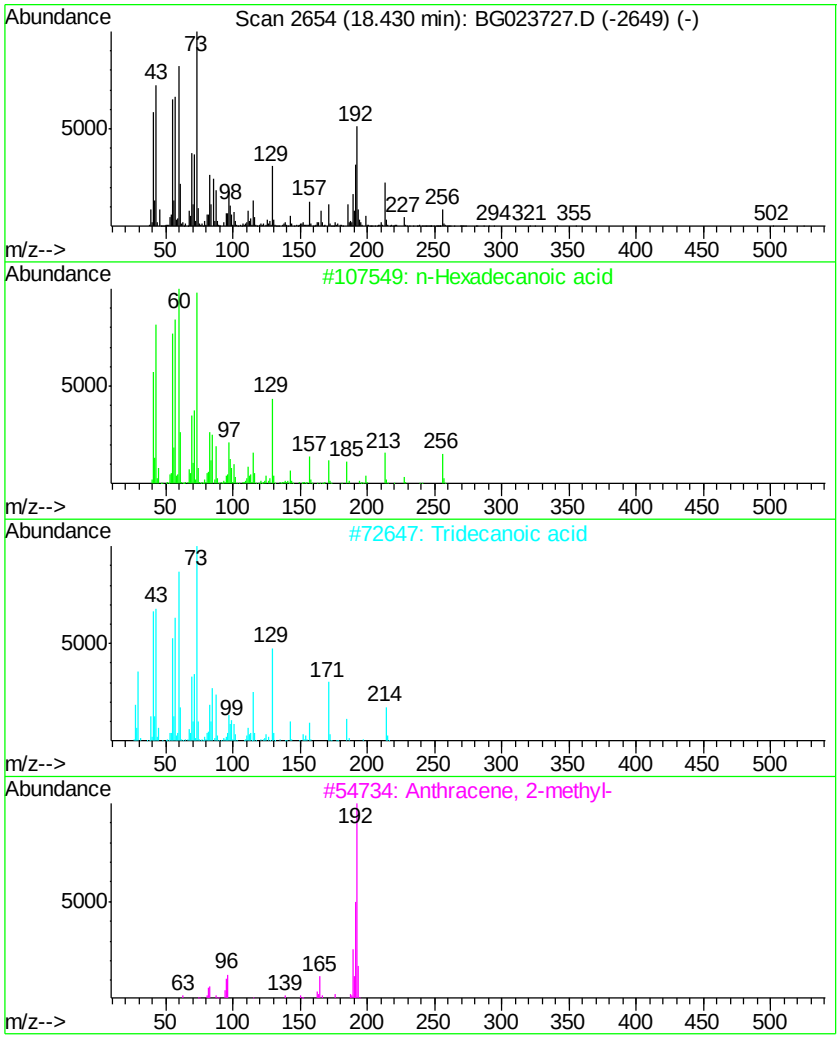
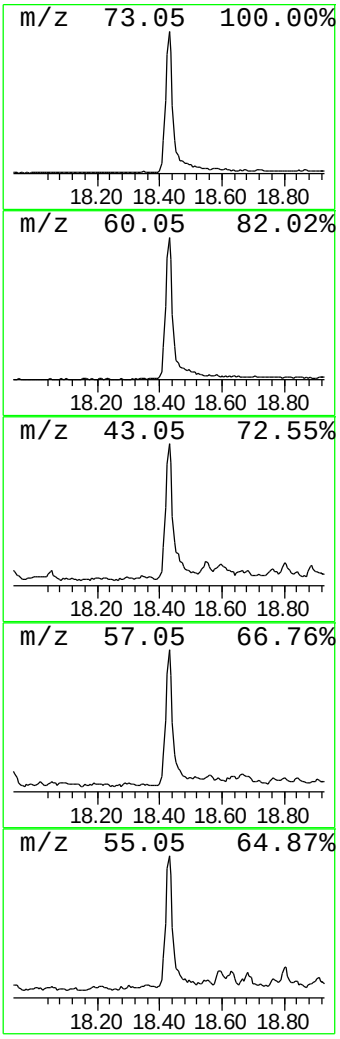
Peak Number 19 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	36.68 ng	4191700	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	56





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Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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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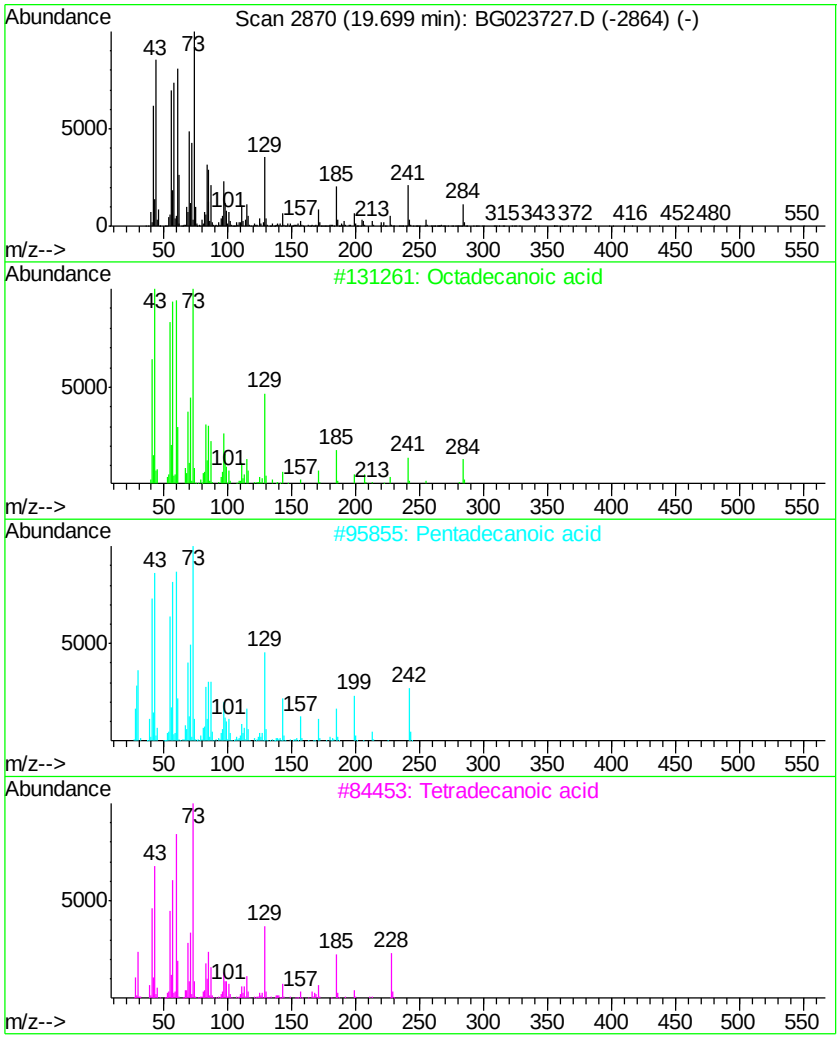
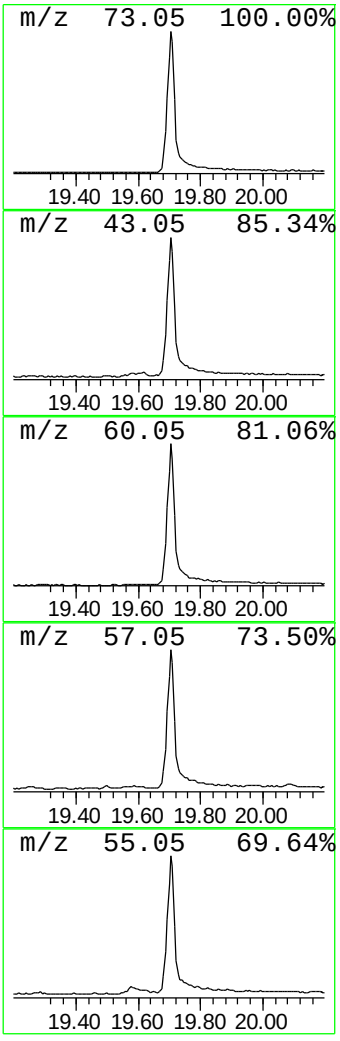
Peak Number 20 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	102.76 ng	11743100	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023727.D
Acq On : 15 Aug 2016 19:06
Operator : UM/SJ
Sample : H4422-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IW-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-Pentanone, 4-hy...	5.17	30.6	ng	1153280	1	8.11	752512	20.0
unknown7.63	7.63	112.5	ng	4233250	1	8.11	752512	20.0
2-Propanol, 1-[2-...	12.11	22.3	ng	1820740	2	10.94	1635980	20.0
2-Propanol, 1,1'-...	12.39	20.2	ng	1650090	2	10.94	1635980	20.0
Naphthalene, 1,6-...	13.95	21.3	ng	2075190	3	14.78	1951570	20.0
unknown16.51	16.51	29.4	ng	3366000	4	17.55	2285570	20.0
Phenol, m-tert-bu...	16.61	48.4	ng	5528300	4	17.55	2285570	20.0
unknown16.67	16.67	66.1	ng	7550930	4	17.55	2285570	20.0
Phenol, p-tert-bu...	16.73	52.3	ng	5971350	4	17.55	2285570	20.0
unknown16.77	16.77	29.1	ng	3324620	4	17.55	2285570	20.0
4-(1,1-Dimethylpr...	16.85	32.2	ng	3675770	4	17.55	2285570	20.0
unknown16.93	16.93	54.0	ng	6168140	4	17.55	2285570	20.0
Phenol, 4-(1,1-di...	17.00	49.4	ng	5640310	4	17.55	2285570	20.0
2-Methyl-4-hydrox...	17.07	25.8	ng	2951910	4	17.55	2285570	20.0
n-Hexadecanoic acid	18.43	36.7	ng	4191700	4	17.55	2285570	20.0
Octadecanoic acid	19.70	102.8	ng	11743100	4	17.55	2285570	20.0