LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

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-BG022916.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	3.060	32	38	58	rVV	1679628	2335812	86.53%	6.822%
2	5.234	400	408	421	rVB	78030	128717	4.77%	0.376%
3	5.698	481	487	494	rVV	314623	517604	19.18%	1.512%
4	5.775	494	500	510	rVB	89747	204136	7.56%	0.596%
5	6.145	556	563	571	rVB	77120	130528	4.84%	0.381%
6	7.126	725	730	735	rVB2	29571	48680	1.80%	0.142%
7	7.226	742	747	752	rBV	78137	119035	4.41%	0.348%
8	7.297	752	759	765	rVV	398039	709812	26.30%	2.073%
9	7.361	765	770	778	rVB	49789	81031	3.00%	0.237%
10	7.532	793	799	806	rVB	33137	53019	1.96%	0.155%
11	7.679	816	824	832	rVB	359769	617484	22.88%	1.804%
12	7.790	832	843	849	rVB	147546	249756	9.25%	0.729%
13	8.149	891	904	909	rBV2	50430	118917	4.41%	0.347%
14	8.260	917	923	931	rBV2	47920	81067	3.00%	0.237%
15	8.472	952	959	965	rVV	240341	408372	15.13%	1.193%
16	8.689	990	996	1006	rVB2	42029	87791	3.25%	0.256%
17	8.777	1006	1011	1024	rVB3	46115	107685	3.99%	0.315%
18	9.253	1087	1092	1096	rBV2	41240	66997	2.48%	0.196%
19	9.312	1096	1102	1114	rVB	226814	430571	15.95%	1.258%
20	9.835	1185	1191	1200	rVB	34511	57855	2.14%	0.169%
21	10.352	1273	1279	1285	rVV2	42348	79957	2.96%	0.234%
22	10.957	1376	1382	1386	rVV	76375	156366	5.79%	0.457%
23	11.004	1386	1390	1397	rVB	127560	230797	8.55%	0.674%
24	12.596	1647	1661	1667	rVB	88764	149330	5.53%	0.436%
25	12.814	1691	1698	1705	rVB2	70951	115197	4.27%	0.336%
26	13.384	1788	1795	1802	rVB	523331	796130	29.49%	2.325%
27	14.077	1905	1913	1918	rBV	51971	91670	3.40%	0.268%
28	14.194	1928	1933	1941	rBV	68737	105858	3.92%	0.309%
29	14.476	1975	1981	1993	rBV2	38343	66702	2.47%	0.195%
30	14.753	2024	2028	2034	rVV2	109765	181836	6.74%	0.531%
31	14.817	2034	2039	2045	rVV	125374	200285	7.42%	0.585%
32	15.146	2088	2095	2101	rVV	108717	175792	6.51%	0.513%
33	15.793	2199	2205	2214	rVB2	166616	274829	10.18%	0.803%
34	16.086	2250	2255	2260	rVB	38820	67473	2.50%	0.197%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

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-BG022916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.233	2270	2280	2288	rVV	391982	597723	22.14%	1.746%
36	16.433	2309	2314	2317	rBV2	27563	47910	1.77%	0.140%
37	16.791	2364	2375	2380	rBV3	45986	131222	4.86%	0.383%
38	16.844	2380	2384	2389	rVB2	32068	52100	1.93%	0.152%
39	17.015	2406	2413	2417	rVV6	23294	56554	2.10%	0.165%
40	17.144	2428	2435	2440	rVV	68869	114677	4.25%	0.335%
41	17.226	2442	2449	2458	rVV6	40359	122535	4.54%	0.358%
42	17.308	2458	2463	2473	rVB	81082	134490	4.98%	0.393%
43	17.491	2488	2494	2497	rBV2	127007	212223	7.86%	0.620%
44	17.543	2497	2503	2508	rVV	1482725	2369978	87.80%	6.922%
45	17.626	2508	2517	2522	rVV	251912	414572	15.36%	1.211%
46	17.679	2522	2526	2531	rVB3	32513	55267	2.05%	0.161%
47	17.890	2550	2562	2571	rBV2	117304	257468	9.54%	0.752%
48	18.066	2588	2592	2597	rVB	40452	58319	2.16%	0.170%
49	18.213	2612	2617	2624	rVB	23596	48101	1.78%	0.140%
50	18.360	2636	2642	2646	rVV	253020	395222	14.64%	1.154%
51	18.413	2646	2651	2656	rVV	291399	444893	16.48%	1.299%
52	18.489	2658	2664	2669	rVV	84885	134965	5.00%	0.394%
53	18.554	2669	2675	2679	rVV2	276662	570345	21.13%	1.666%
54	18.589	2679	2681	2687	rVV	160134	218528	8.10%	0.638%
55	18.854	2720	2726	2729	rVV	161430	230266	8.53%	0.673%
56	18.895	2729	2733	2740	rVV	165339	263469	9.76%	0.770%
57	18.977	2743	2747	2753	rBV	32353	48412	1.79%	0.141%
58	19.095	2763	2767	2771	rVB3	58530	78172	2.90%	0.228%
59	19.142	2771	2775	2779	rBV	41611	53881	2.00%	0.157%
60	19.183	2779	2782	2790	rVB	44338	59131	2.19%	0.173%
61	19.265	2790	2796	2801	rBV	133005	245723	9.10%	0.718%
62	19.330	2801	2807	2810	rBV3	50160	98385	3.64%	0.287%
63	19.412	2816	2821	2828	rBV4	92860	191357	7.09%	0.559%
64	19.541	2835	2843	2848	rVB	1549856	2361847	87.50%	6.898%
65	19.623	2854	2857	2862	rVB3	72130	97850	3.62%	0.286%
66	19.723	2870	2874	2877	rBV3	44764	54516	2.02%	0.159%
67	19.770	2878	2882	2886	rBV2	54729	80652	2.99%	0.236%
68	19.899	2892	2904	2910	rBV	1462218	2699327	100.00%	7.884%
69	19.958	2910	2914	2920	rVB2	89843	145703	5.40%	0.426%
70	20.082	2927	2935	2939	rBV	869738	1157878	42.90%	3.382%
71	20.129	2939	2943	2950	rVB	79627	129787	4.81%	0.379%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

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-BG022916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.217	2950	2958	2963	rBV4	115500	309710	11.47%	0.905%
73	20.346	2974	2980	2981	rBV6	74728	131387	4.87%	0.384%
74	20.375	2981	2985	2990	rVB	241918	368281	13.64%	1.076%
75	20.475	2997	3002	3006	rBV	164229	225015	8.34%	0.657%
76	20.534	3006	3012	3016	rVV2	168290	288580	10.69%	0.843%
77	20.569	3016	3018	3022	rVB2	51009	56097	2.08%	0.164%
78	20.675	3031	3036	3039	rBV	124230	180920	6.70%	0.528%
79	20.716	3040	3043	3047	rVV	104610	141471	5.24%	0.413%
80	21.139	3111	3115	3122	rVB	130395	207092	7.67%	0.605%
81	21.327	3139	3147	3151	rBV3	121370	270751	10.03%	0.791%
82	21.368	3151	3154	3159	rVV	146915	231391	8.57%	0.676%
83	21.421	3159	3163	3168	rVV2	117631	218835	8.11%	0.639%
84	21.480	3168	3173	3182	rVB2	126553	236616	8.77%	0.691%
85	21.744	3211	3218	3224	rBV3	655485	1461228	54.13%	4.268%
86	21.809	3224	3229	3240	rVB	637981	1160655	43.00%	3.390%
87	21.962	3250	3255	3261	rBV	73656	132027	4.89%	0.386%
88	22.167	3285	3290	3296	rBV3	59544	117607	4.36%	0.344%
89	22.491	3342	3345	3351	rVB	112423	190406	7.05%	0.556%
90	22.567	3354	3358	3365	rVB	84260	158624	5.88%	0.463%
91	22.773	3389	3393	3397	rBV2	43281	76273	2.83%	0.223%
92	22.919	3412	3418	3429	rVB3	50130	138986	5.15%	0.406%
93	24.001	3592	3602	3609	rBV2	360095	1255835	46.52%	3.668%
94	24.253	3640	3645	3657	rVB	72573	174358	6.46%	0.509%
95	24.735	3719	3727	3741	rVB2	216223	689055	25.53%	2.013%
96	24.894	3743	3754	3763	rVB	341968	957890	35.49%	2.798%
97	25.035	3772	3778	3784	rBV2	57204	152007	5.63%	0.444%
98	25.111	3787	3791	3806	rVB3	83333	264996	9.82%	0.774%
99	28.783	4408	4416	4437	rVB3	97800	491966	18.23%	1.437%
100	29.952	4604	4615	4627	rVB3	60685	268816	9.96%	0.785%

Sum of corrected areas: 34237414

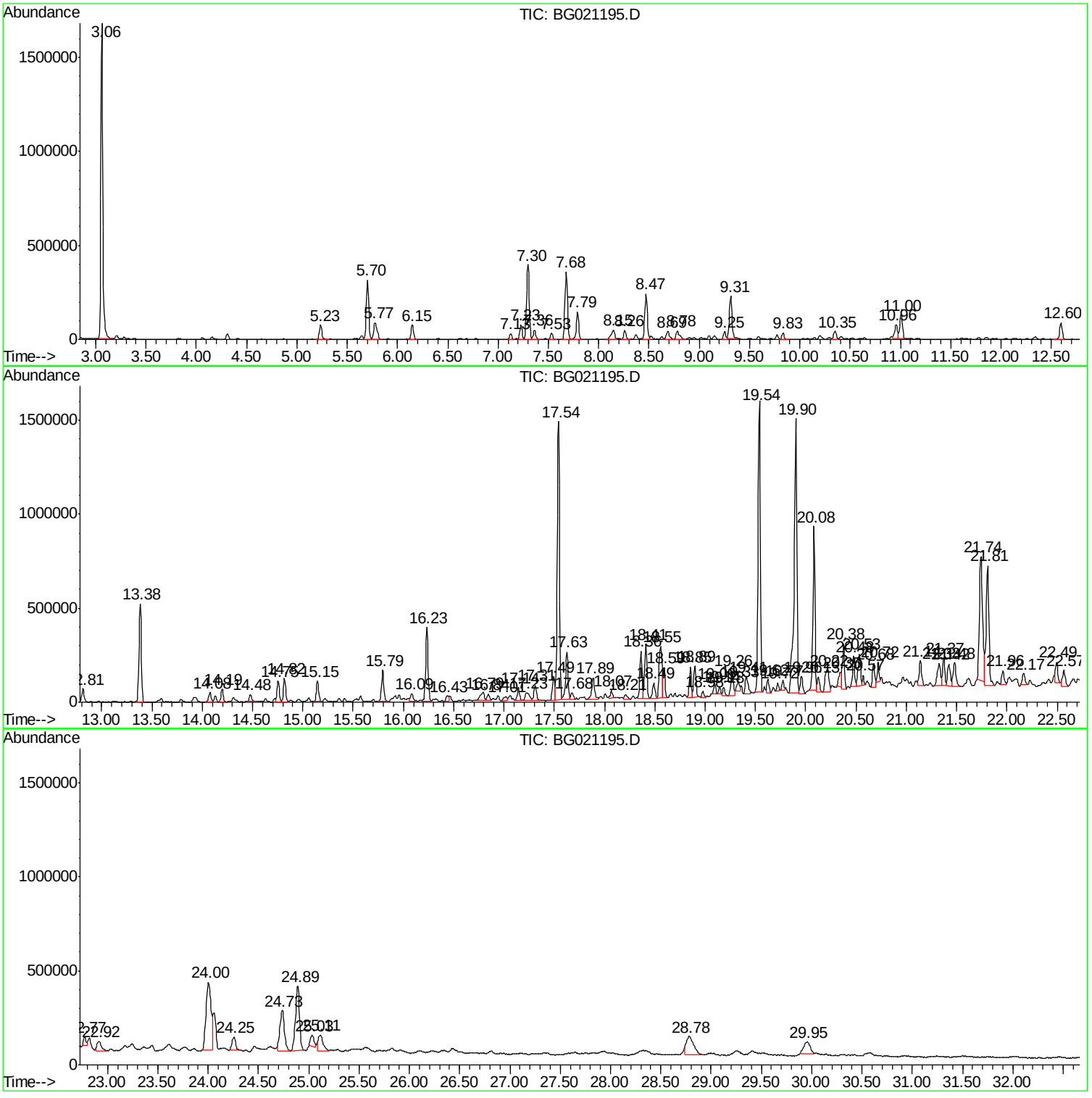
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

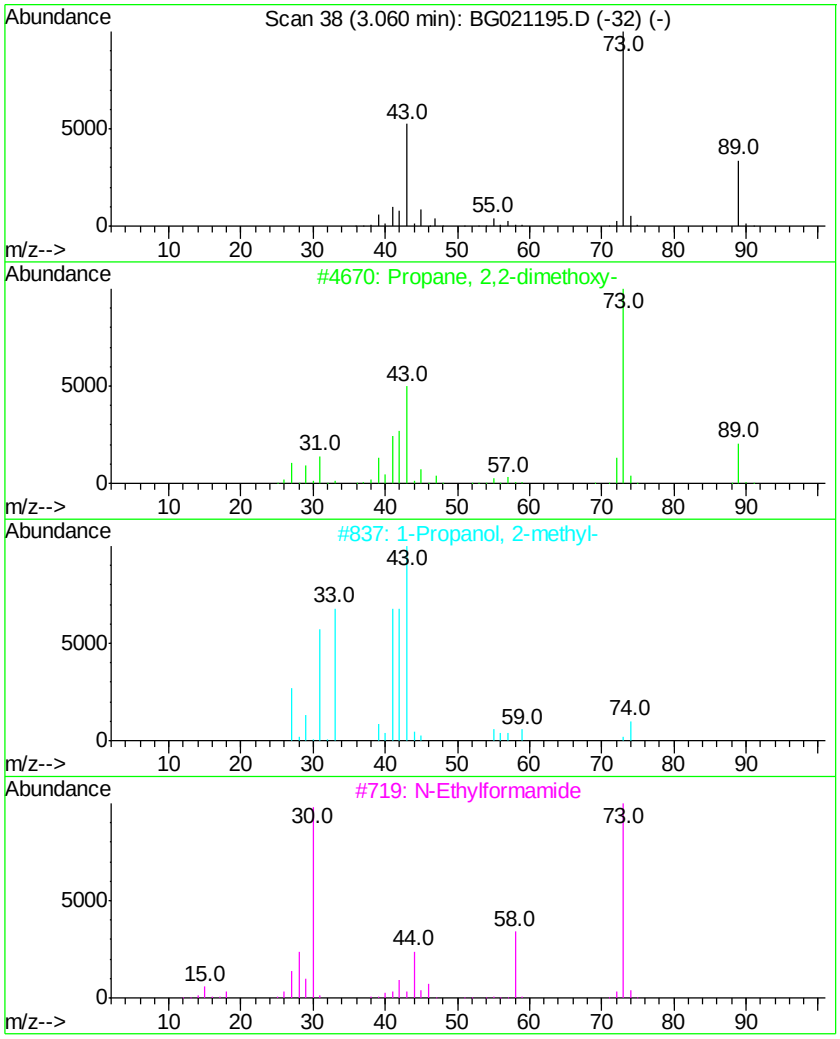
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

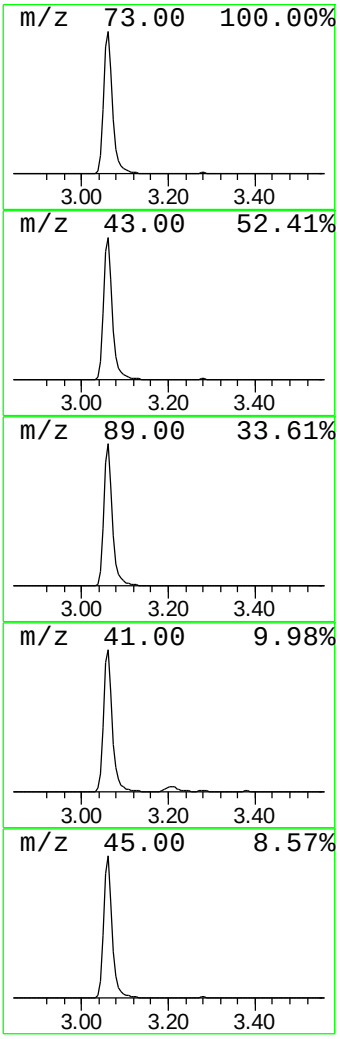
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	392.85 ng	2335810	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

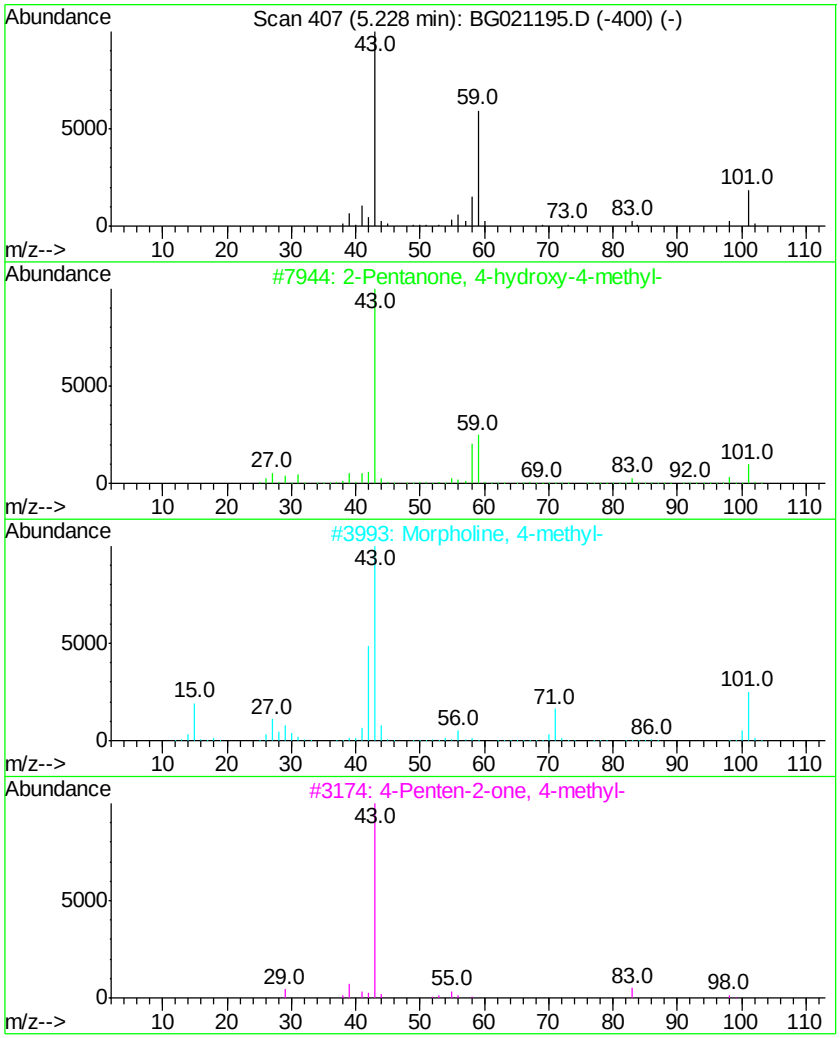
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

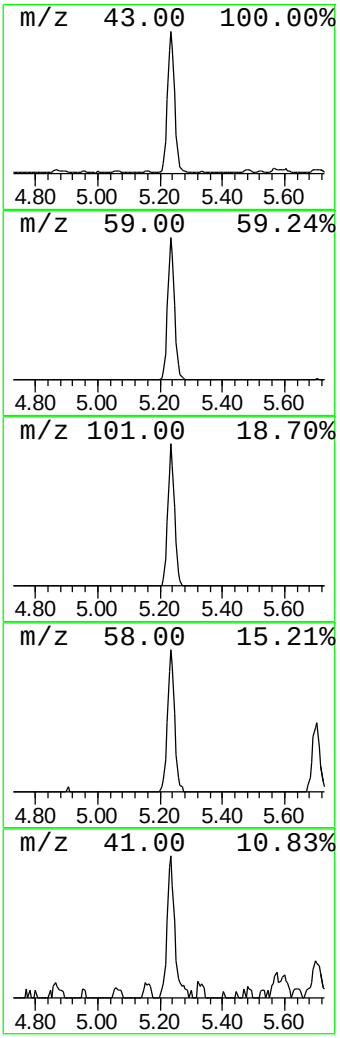
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	21.65 ng	128717	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
4	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

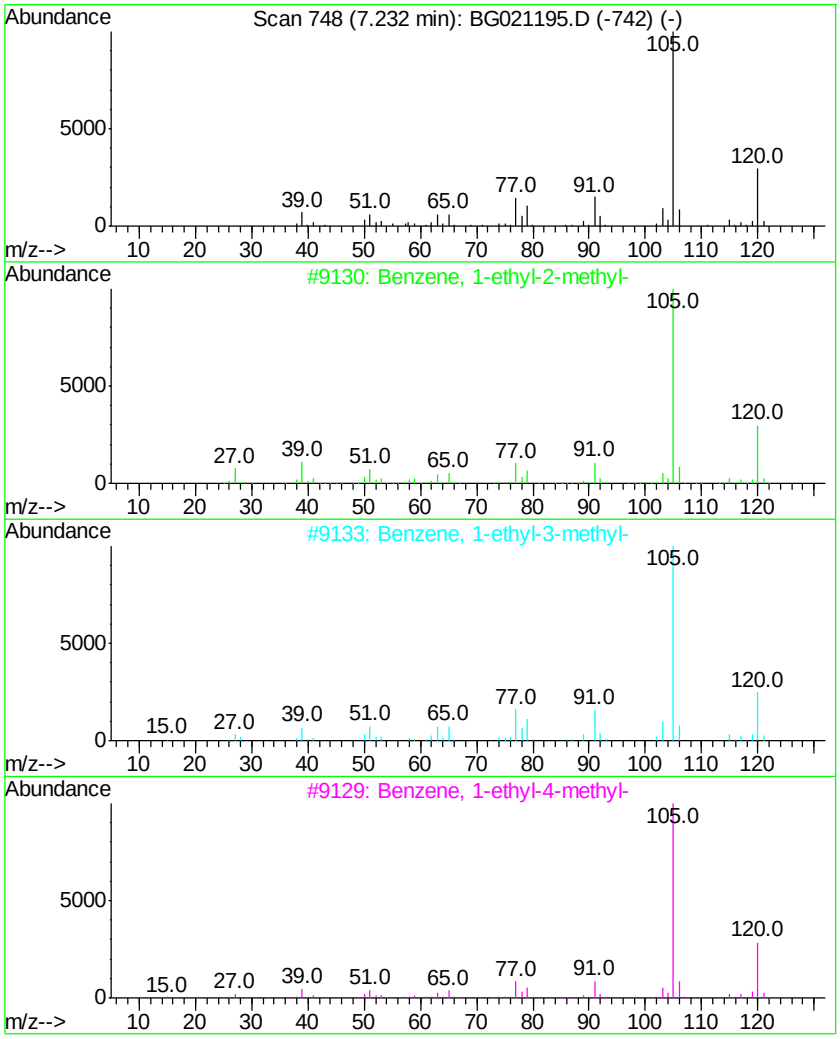
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

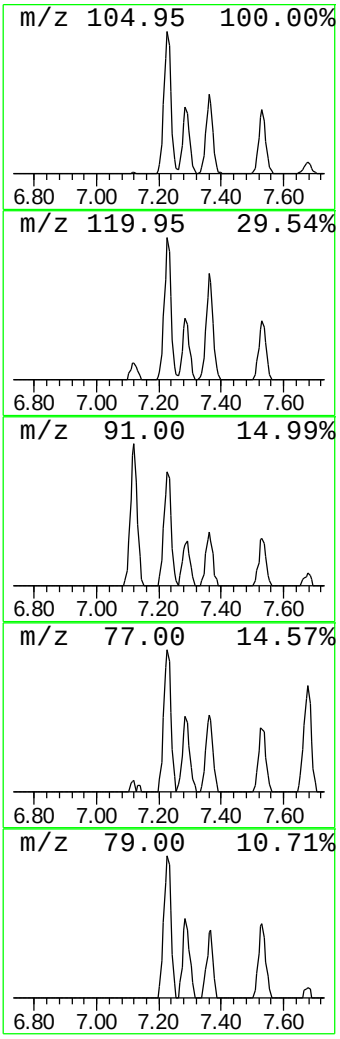
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	20.02 ng	119035	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

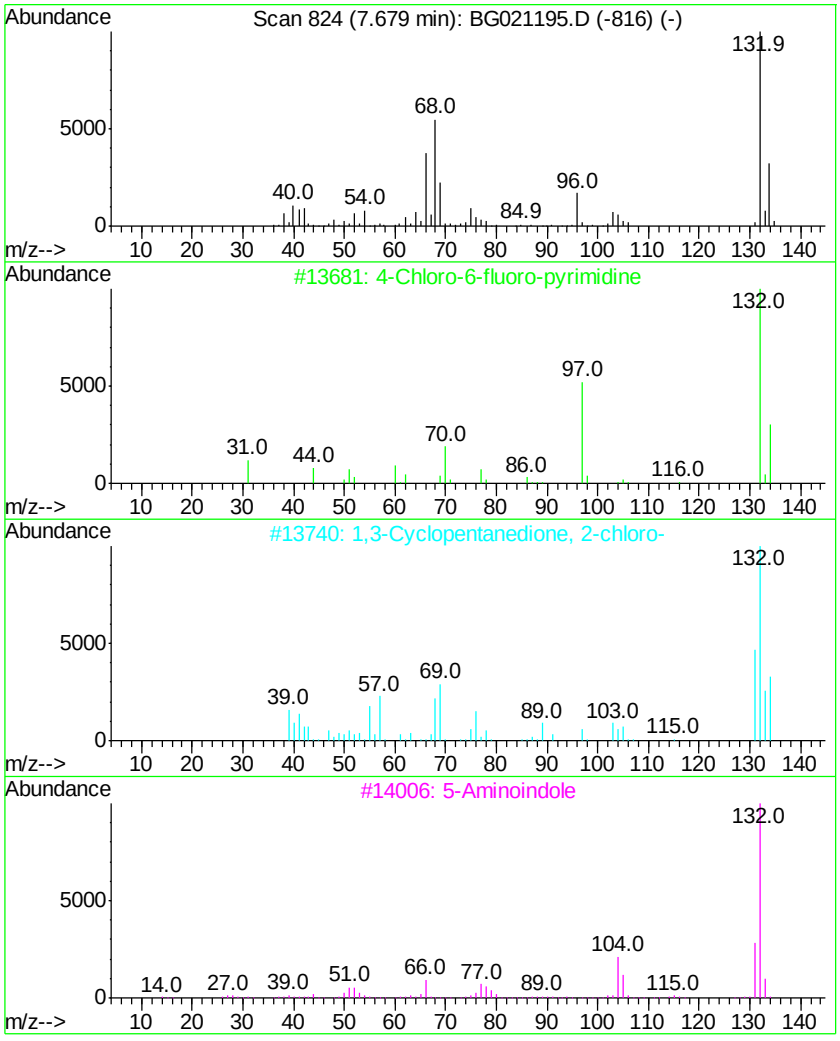
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

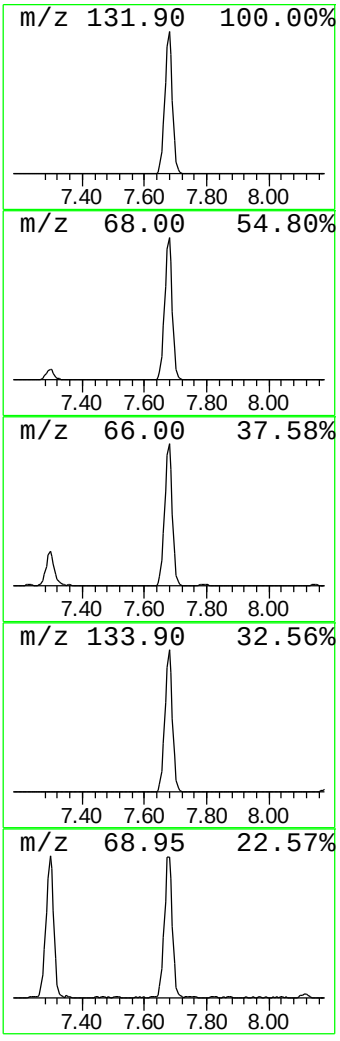
****

Peak Number 6 unknown7.68 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	103.85 ng	617484	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

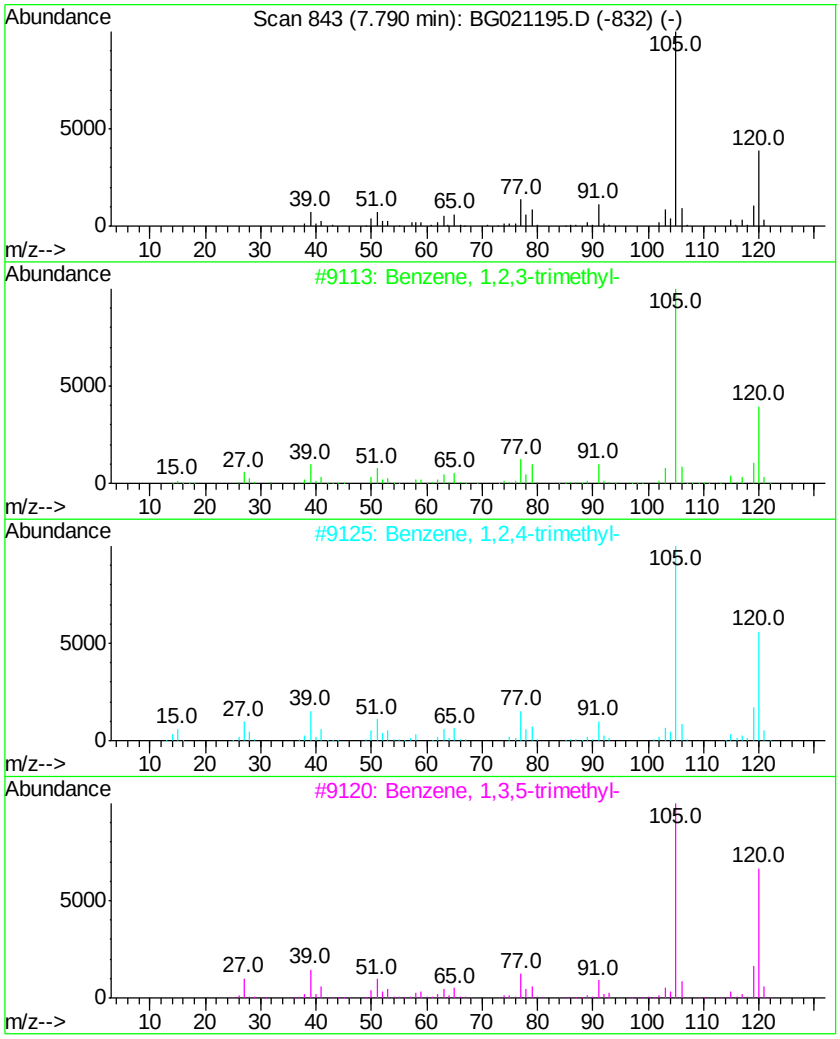
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

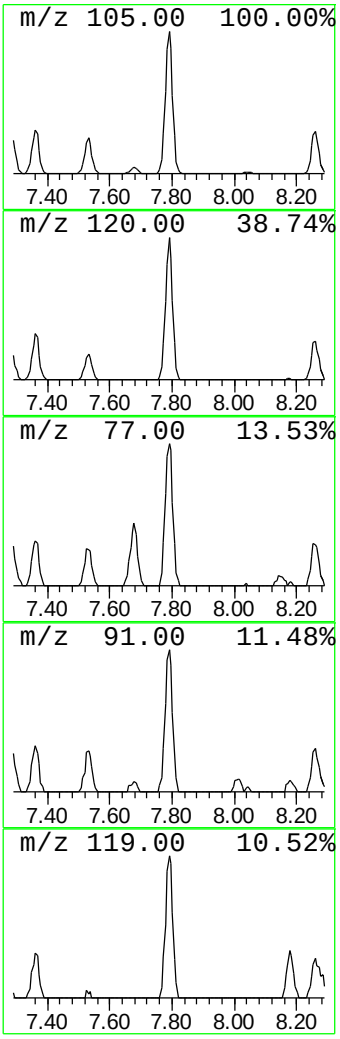
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	42.01 ng	249756	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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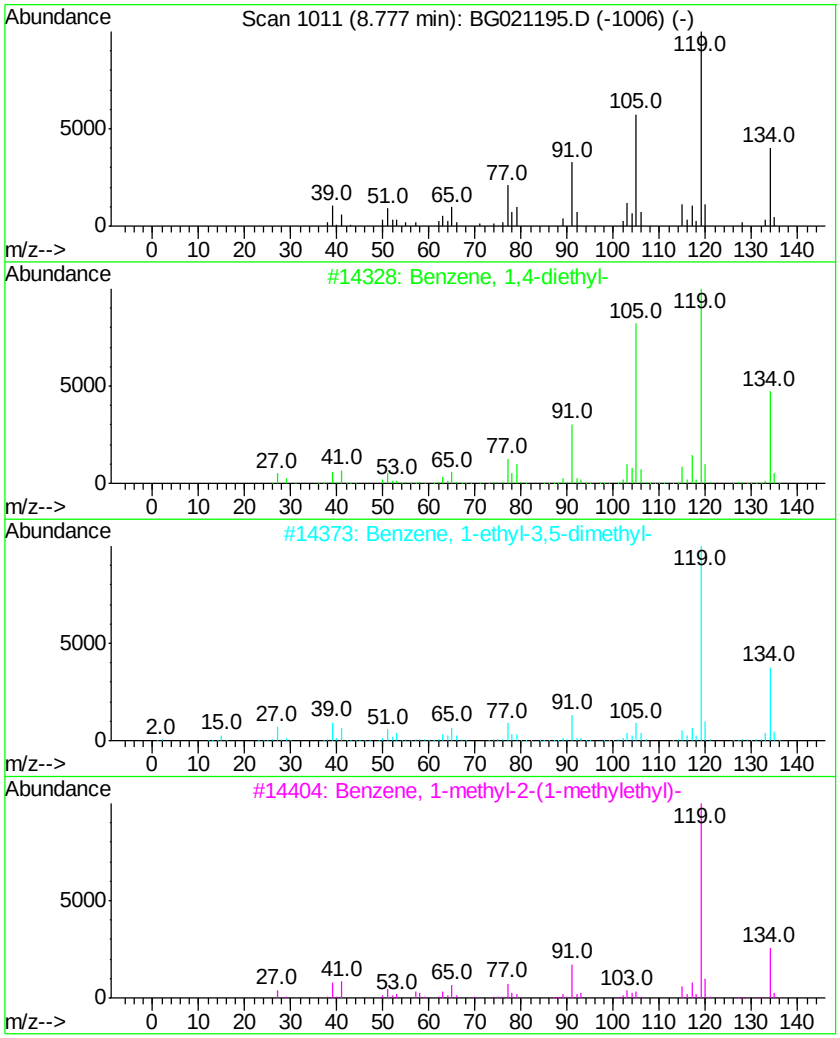
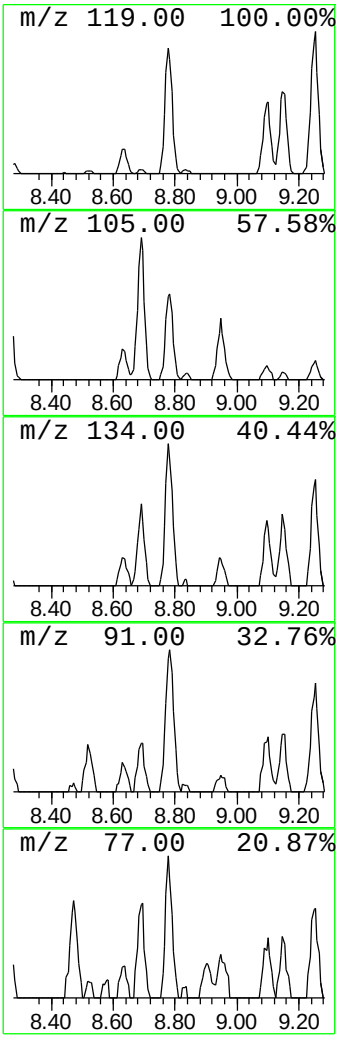
Peak Number 9 Benzene, 1,4-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	18.11 ng	107685	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
4	Benzene, 1,4-diethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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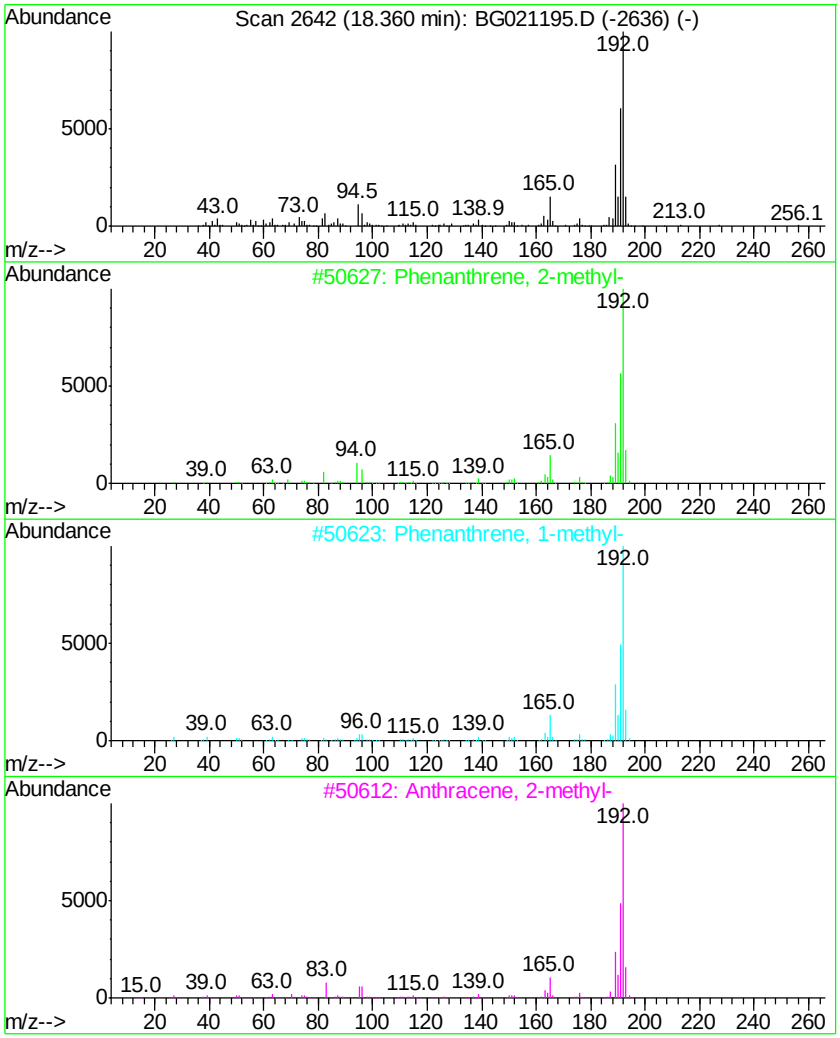
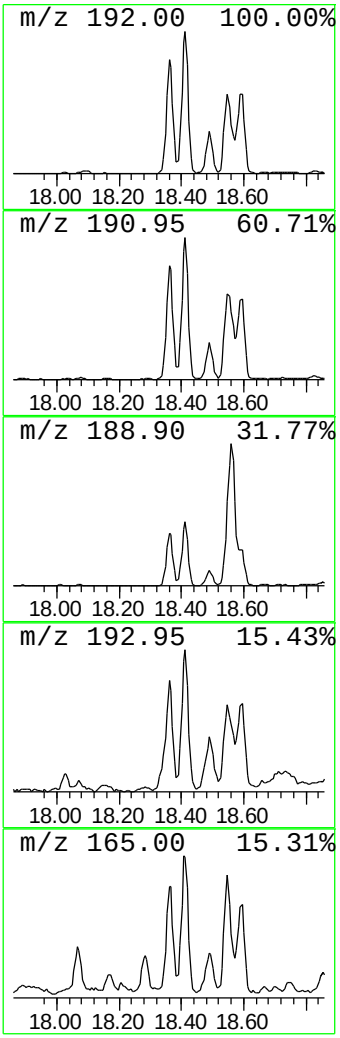
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	37.25 ng	395222	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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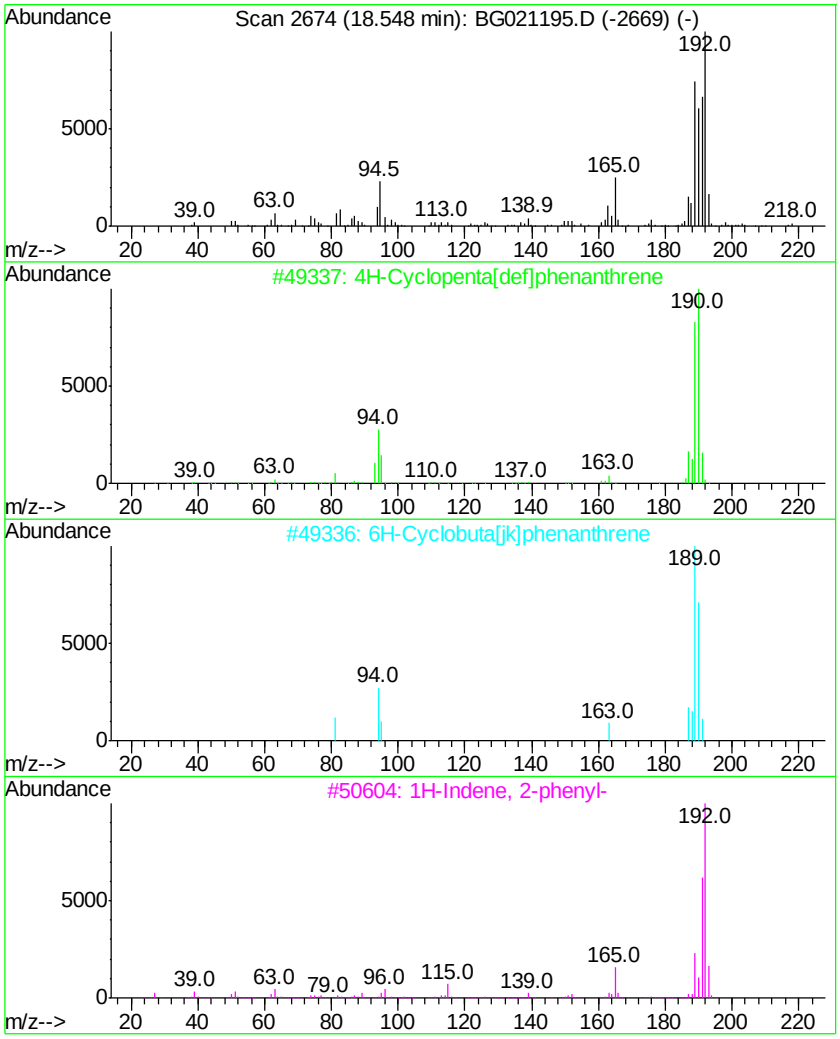
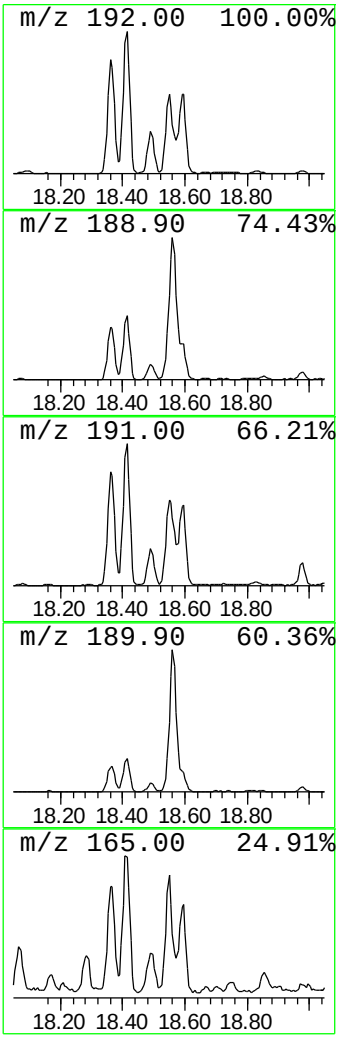
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	53.75 ng	570345	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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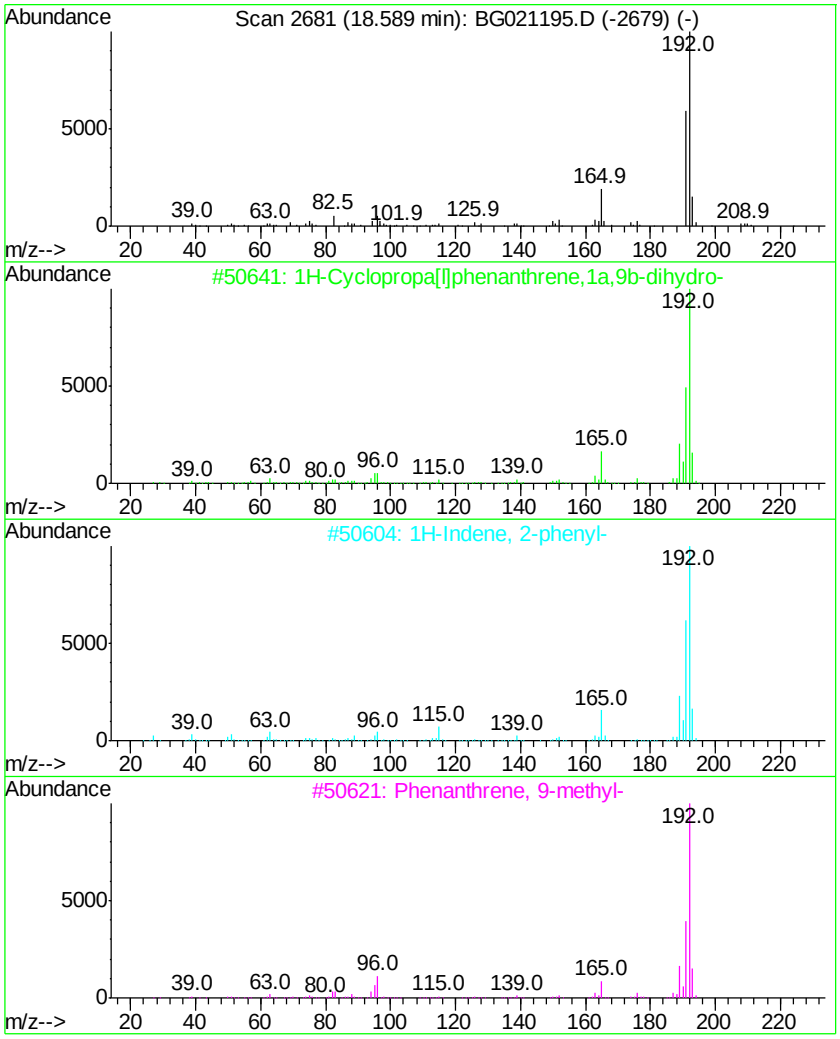
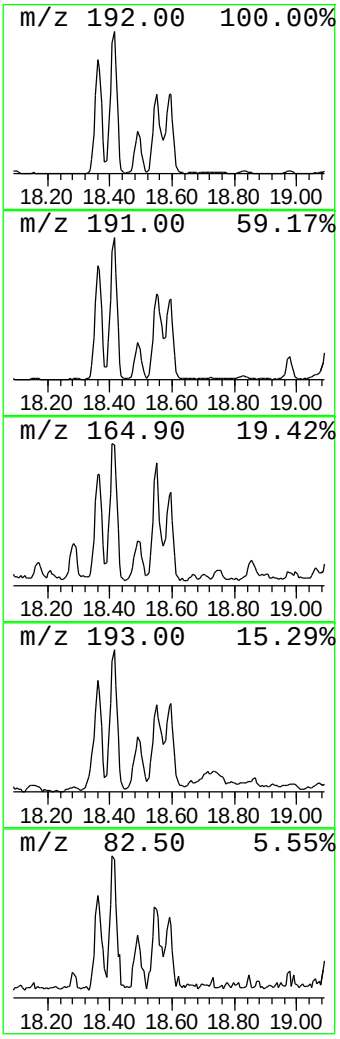
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	20.59 ng	218528	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
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Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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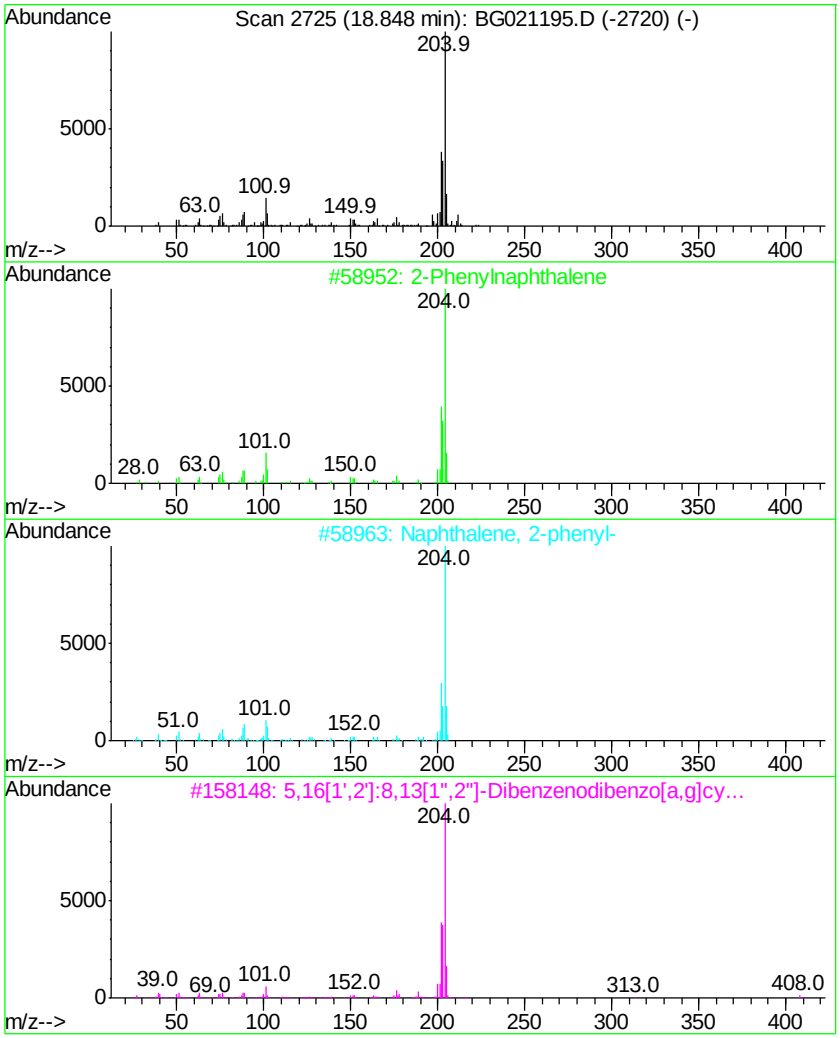
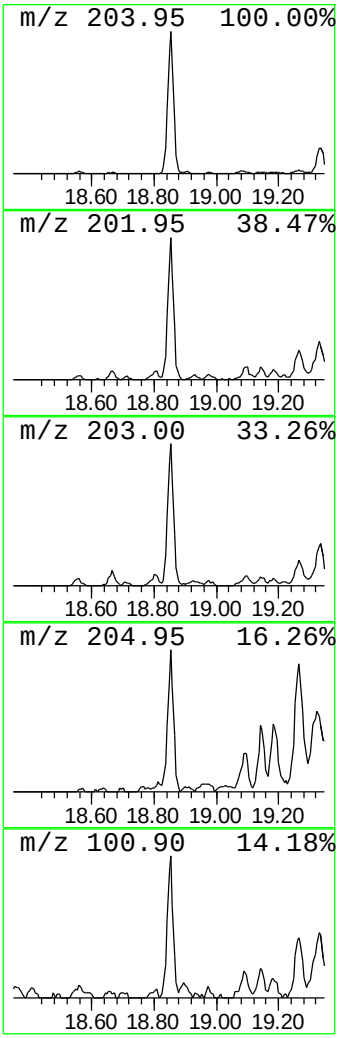
Peak Number 14 2-Phenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	21.70 ng	230266	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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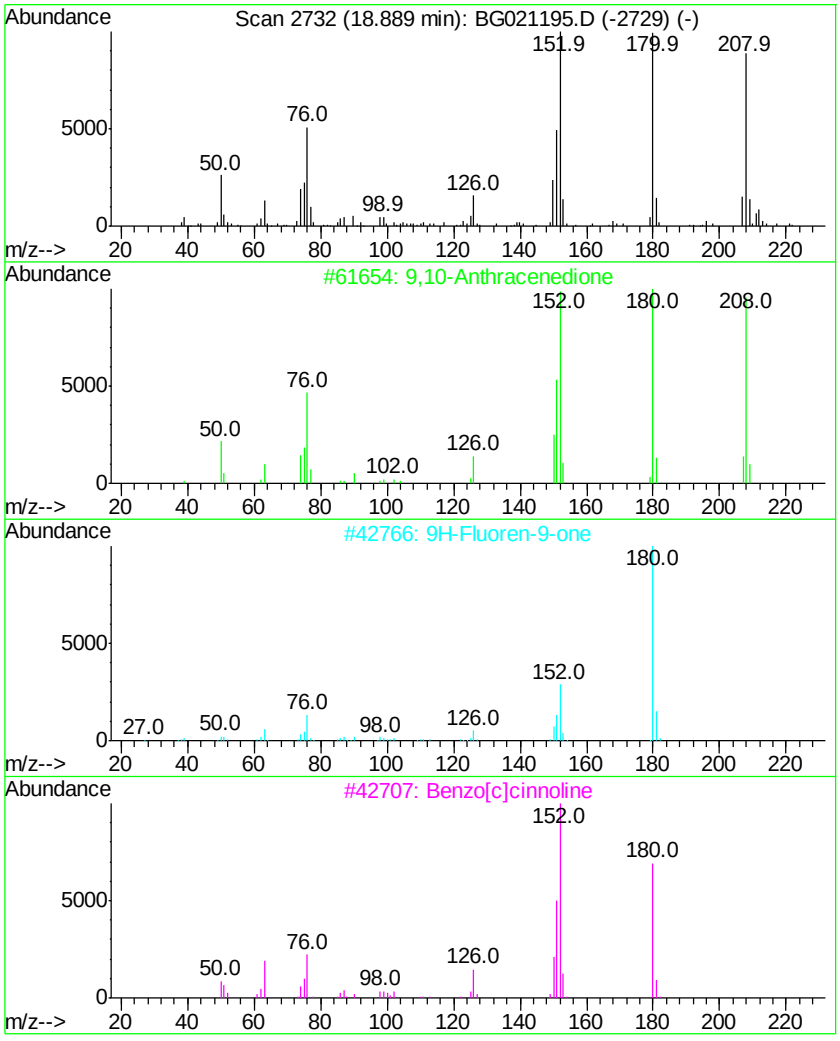
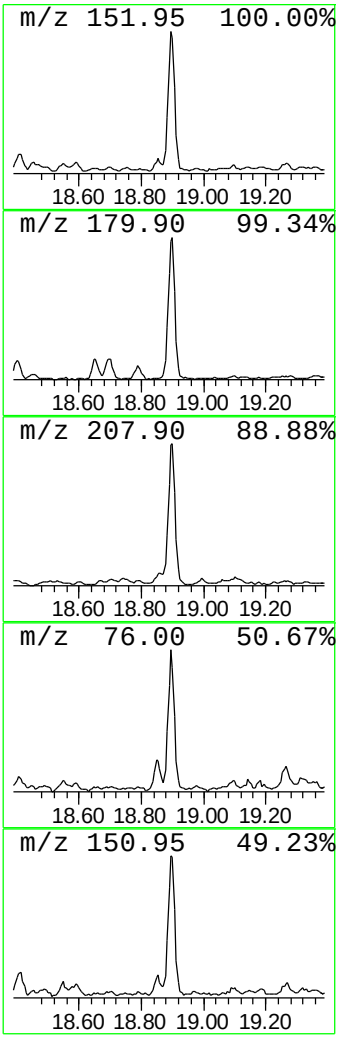
Peak Number 15 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	24.83 ng	263469	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46





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Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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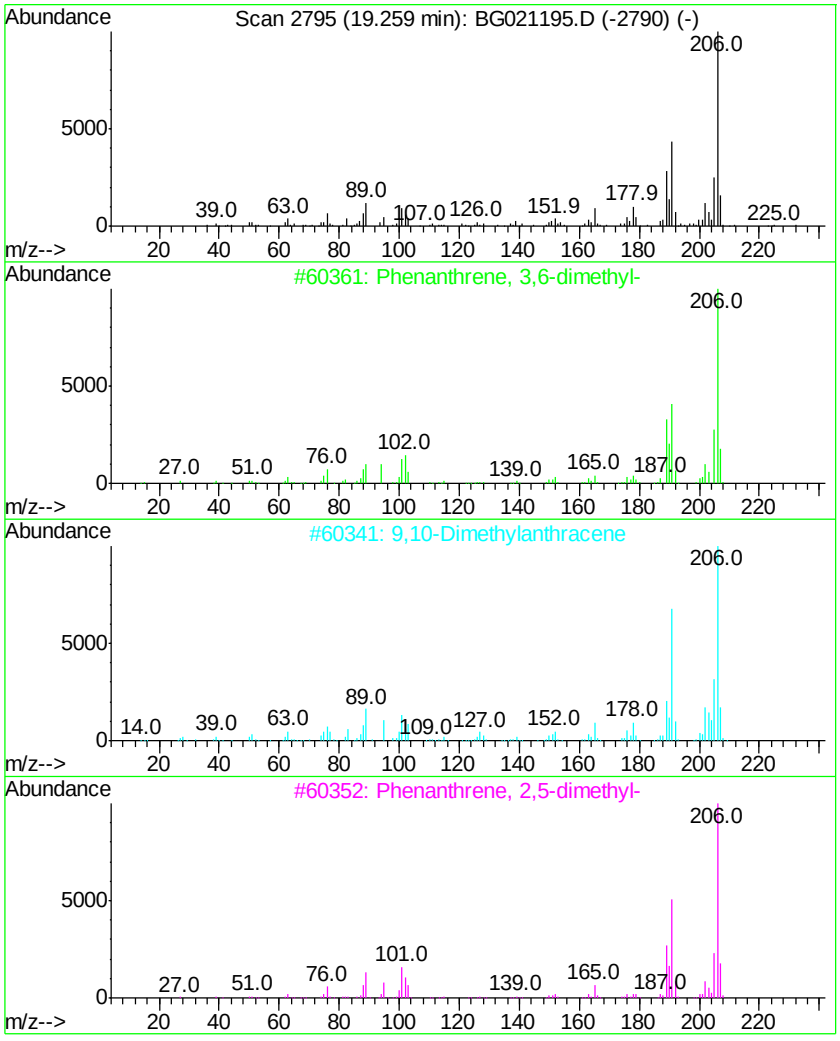
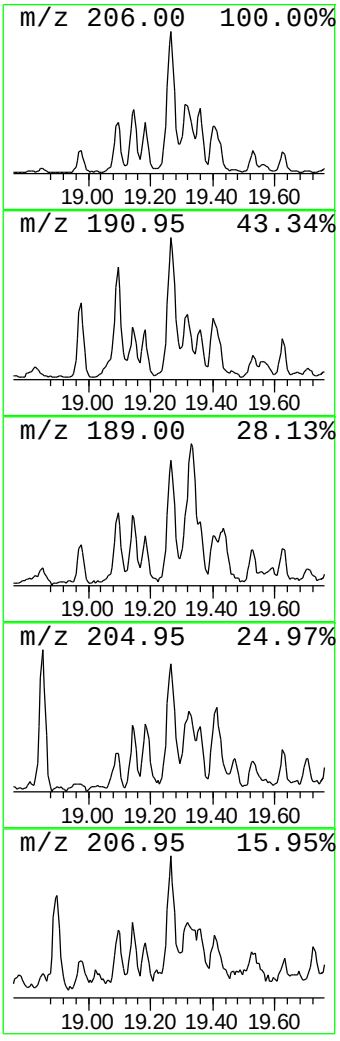
Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	23.16 ng	245723	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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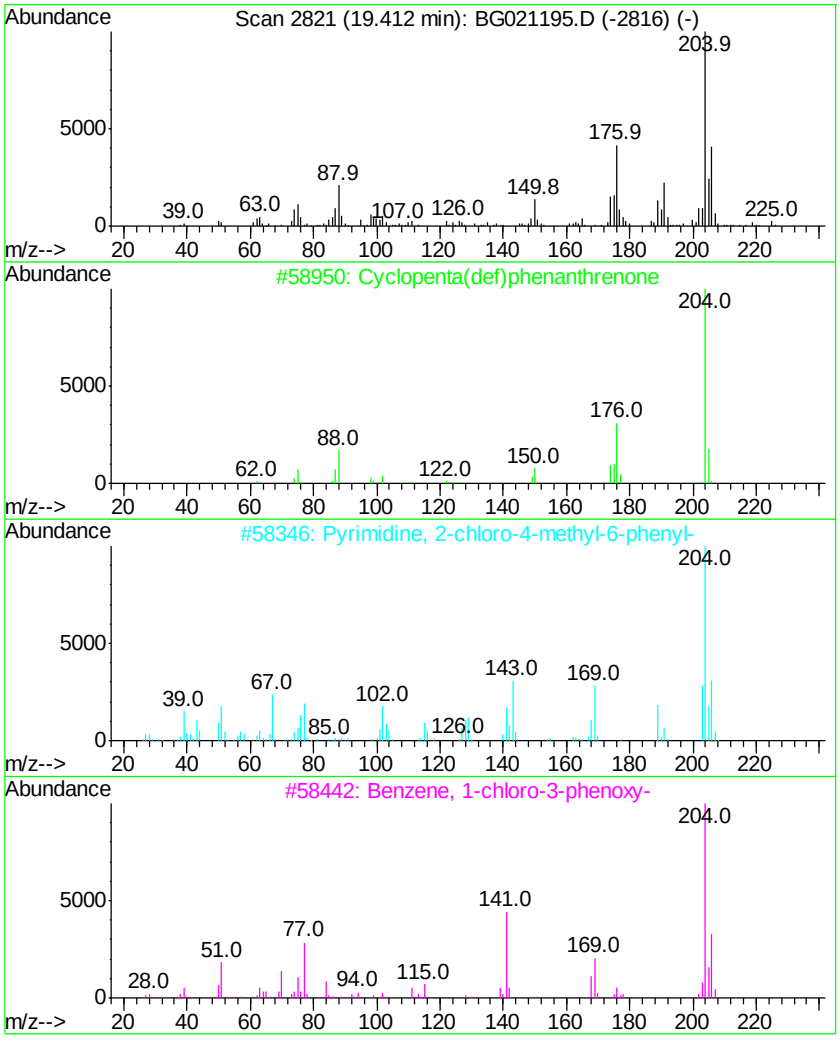
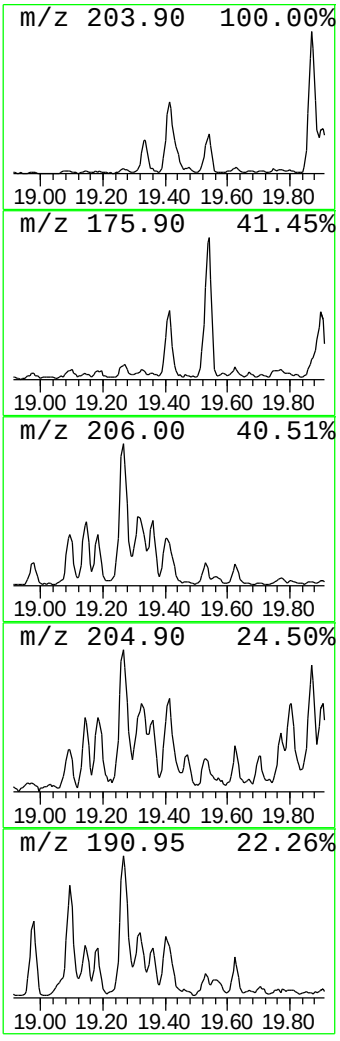
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	18.03 ng	191357	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
4	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030116\
Data File : BG021195.D
Acq On : 1 Mar 2016 22:24
Operator : UM/SJ
Sample : H1565-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-2(2.5-5)20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	3.06	392.9	ng	2335810	1	8.15	118917	20.0
2-Pentanone, 4-hy...	5.23	21.6	ng	128717	1	8.15	118917	20.0
Benzene, 1-ethyl-...	7.23	20.0	ng	119035	1	8.15	118917	20.0
unknown7.68	7.68	103.8	ng	617484	1	8.15	118917	20.0
Benzene, 1,2,3-tr...	7.79	42.0	ng	249756	1	8.15	118917	20.0
Benzene, 1,4-diet...	8.78	18.1	ng	107685	1	8.15	118917	20.0
Phenanthrene, 2-m...	18.36	37.3	ng	395222	4	17.49	212223	20.0
4H-Cyclopenta[def...	18.55	53.8	ng	570345	4	17.49	212223	20.0
1H-Cyclopropa[l]p...	18.59	20.6	ng	218528	4	17.49	212223	20.0
2-Phenylnaphthalene	18.85	21.7	ng	230266	4	17.49	212223	20.0
9,10-Anthracenedione	18.89	24.8	ng	263469	4	17.49	212223	20.0
Phenanthrene, 3,6...	19.26	23.2	ng	245723	4	17.49	212223	20.0
Cyclopenta(def)ph...	19.41	18.0	ng	191357	4	17.49	212223	20.0