LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

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-BG040615.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	2.752	6	11	20	rVV	108343	184068	8.89%	0.663%
2	2.829	20	24	29	rVV	72195	93999	4.54%	0.338%
3	2.876	29	32	41	rVB2	16527	25098	1.21%	0.090%
4	4.374	282	287	294	rVB	46975	69613	3.36%	0.251%
5	4.773	348	355	365	rVB	100870	143368	6.93%	0.516%
6	5.249	430	436	448	rBV	717483	1014637	49.03%	3.652%
7	6.847	701	708	725	rBV	711470	1135384	54.86%	4.087%
8	7.194	760	767	782	rBV	752566	1158022	55.95%	4.168%
9	7.658	836	846	854	rBV	267927	415878	20.09%	1.497%
10	7.976	893	900	909	rBV	551254	859984	41.55%	3.096%
11	8.816	1034	1043	1052	rBV	426217	681539	32.93%	2.453%
12	10.443	1311	1320	1325	rBV	389294	645834	31.21%	2.325%
13	10.490	1325	1328	1335	rVB	61016	94747	4.58%	0.341%
14	12.112	1598	1604	1611	rBV2	31502	50476	2.44%	0.182%
15	12.335	1635	1642	1648	rVB	23544	36437	1.76%	0.131%
16	12.917	1734	1741	1754	rBV	1089160	1610411	77.81%	5.797%
17	13.128	1772	1777	1784	rVB2	14270	22153	1.07%	0.080%
18	13.469	1829	1835	1843	rBV5	10168	26435	1.28%	0.095%
19	13.616	1854	1860	1866	rBV	20335	34289	1.66%	0.123%
20	13.763	1880	1885	1892	rBV	28881	43773	2.12%	0.158%
21	14.297	1968	1976	1983	rBV2	567871	892580	43.13%	3.213%
22	14.362	1983	1987	1996	rVB	69548	108690	5.25%	0.391%
23	14.697	2036	2044	2052	rBV	74183	109251	5.28%	0.393%
24	15.349	2149	2155	2167	rBV	105685	163960	7.92%	0.590%
25	15.643	2201	2205	2212	rVB2	28125	49322	2.38%	0.178%
26	15.790	2224	2230	2241	rBV	632485	943336	45.58%	3.396%
27	16.019	2262	2269	2277	rVB4	26055	53421	2.58%	0.192%
28	16.354	2315	2326	2330	rBV4	22051	57996	2.80%	0.209%
29	16.701	2380	2385	2390	rVB	44660	63347	3.06%	0.228%
30	16.777	2393	2398	2400	rBV4	17191	28730	1.39%	0.103%
31	16.859	2408	2412	2422	rVB	54610	82810	4.00%	0.298%
32	17.041	2437	2443	2447	rBV	709185	1044899	50.49%	3.761%
33	17.082	2447	2450	2457	rVV	963077	1306443	63.13%	4.703%
34	17.171	2457	2465	2471	rVB	223208	353501	17.08%	1.272%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

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-BG040615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.235	2471	2476	2481	rBV3	20606	36212	1.75%	0.130%
36	17.447	2501	2512	2523	rBV2	104776	224341	10.84%	0.808%
37	17.623	2538	2542	2549	rVB4	19388	36259	1.75%	0.131%
38	17.917	2583	2592	2596	rBV	97419	149300	7.21%	0.537%
39	17.964	2596	2600	2609	rVB	138435	199185	9.62%	0.717%
40	18.046	2609	2614	2618	rBV	53461	74404	3.60%	0.268%
41	18.111	2619	2625	2629	rVV2	126069	233324	11.27%	0.840%
42	18.146	2629	2631	2637	rVB	64275	82175	3.97%	0.296%
43	18.228	2641	2645	2649	rBV3	20782	28262	1.37%	0.102%
44	18.369	2664	2669	2673	rBV7	13828	22370	1.08%	0.081%
45	18.422	2673	2678	2681	rVV	66771	93973	4.54%	0.338%
46	18.463	2681	2685	2691	rVB2	44136	62924	3.04%	0.227%
47	18.669	2717	2720	2724	rVB	22560	26755	1.29%	0.096%
48	18.716	2725	2728	2732	rVB	23583	29771	1.44%	0.107%
49	18.757	2732	2735	2740	rVB3	23513	30896	1.49%	0.111%
50	18.839	2744	2749	2752	rBV	47039	80799	3.90%	0.291%
51	18.980	2769	2773	2780	rVB3	45429	80680	3.90%	0.290%
52	19.104	2788	2794	2801	rBV	1090360	1441033	69.63%	5.187%
53	19.204	2807	2811	2815	rVB3	26149	29848	1.44%	0.107%
54	19.298	2823	2827	2832	rBV8	15773	32887	1.59%	0.118%
55	19.350	2832	2836	2839	rBV	28955	38070	1.84%	0.137%
56	19.468	2851	2856	2864	rVB	857985	1209417	58.44%	4.353%
57	19.538	2864	2868	2874	rVB2	44166	74118	3.58%	0.267%
58	19.674	2882	2891	2895	rBV	1656970	2069603	100.00%	7.450%
59	19.709	2895	2897	2902	rVB	49200	60299	2.91%	0.217%
60	19.791	2906	2911	2912	rBV3	58800	84095	4.06%	0.303%
61	19.926	2929	2934	2936	rBV3	46097	74836	3.62%	0.269%
62	19.961	2936	2940	2946	rVB2	129257	188764	9.12%	0.679%
63	20.061	2953	2957	2961	rBV	73615	97205	4.70%	0.350%
64	20.120	2961	2967	2971	rVB3	75057	128690	6.22%	0.463%
65	20.196	2978	2980	2986	rBV7	15678	22799	1.10%	0.082%
66	20.261	2987	2991	2994	rBV2	42632	56674	2.74%	0.204%
67	20.308	2995	2999	3002	rVB3	36751	52752	2.55%	0.190%
68	20.708	3063	3067	3074	rVB	83830	114463	5.53%	0.412%
69	20.866	3090	3094	3098	rBV2	63651	104128	5.03%	0.375%
70	20.913	3098	3102	3103	rVV	75275	90927	4.39%	0.327%
71	20.937	3103	3106	3113	rVV3	134189	276843	13.38%	0.997%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

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-BG040615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.001	3114	3117	3124	rVB2	94666	142779	6.90%	0.514%
73	21.219	3148	3154	3158	rBV2	988463	1799175	86.93%	6.476%
74	21.260	3158	3161	3171	rVB	450387	591101	28.56%	2.128%
75	21.377	3177	3181	3187	rBV	57698	87655	4.24%	0.316%
76	21.536	3204	3208	3212	rVB3	59613	81665	3.95%	0.294%
77	21.765	3244	3247	3251	rVB	68912	92486	4.47%	0.333%
78	22.782	3414	3420	3425	rBV	336641	790252	38.18%	2.845%
79	22.952	3445	3449	3456	rVB	79350	125424	6.06%	0.451%
80	23.258	3496	3501	3509	rVB	217149	382392	18.48%	1.376%
81	23.352	3511	3517	3524	rVB	297882	545083	26.34%	1.962%
82	23.451	3527	3534	3539	rBV	532320	1008486	48.73%	3.630%
83	25.714	3911	3919	3929	rVB3	146156	440007	21.26%	1.584%
84	26.407	4030	4037	4053	rVB	108938	350570	16.94%	1.262%

Sum of corrected areas: 27780587

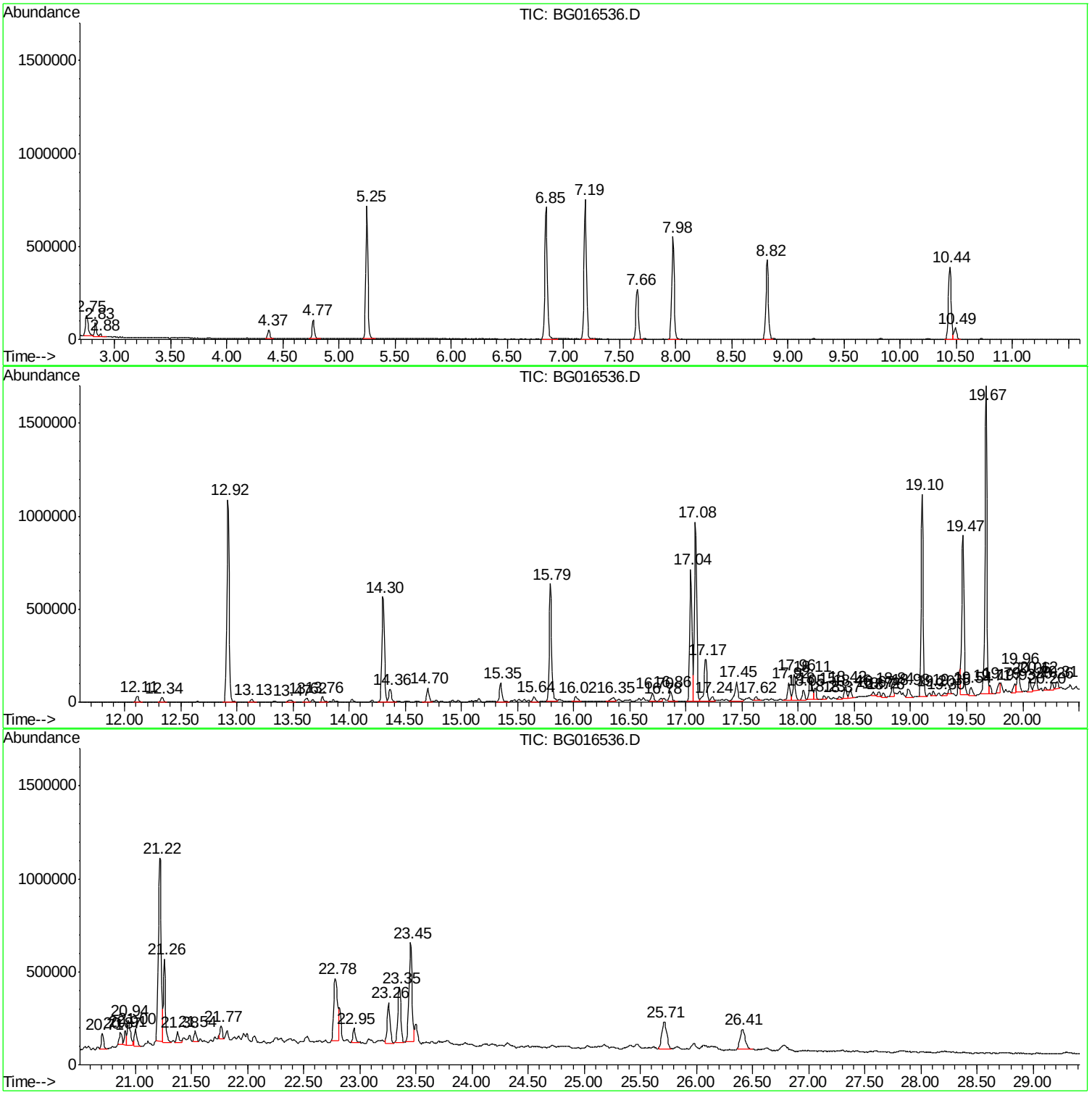
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

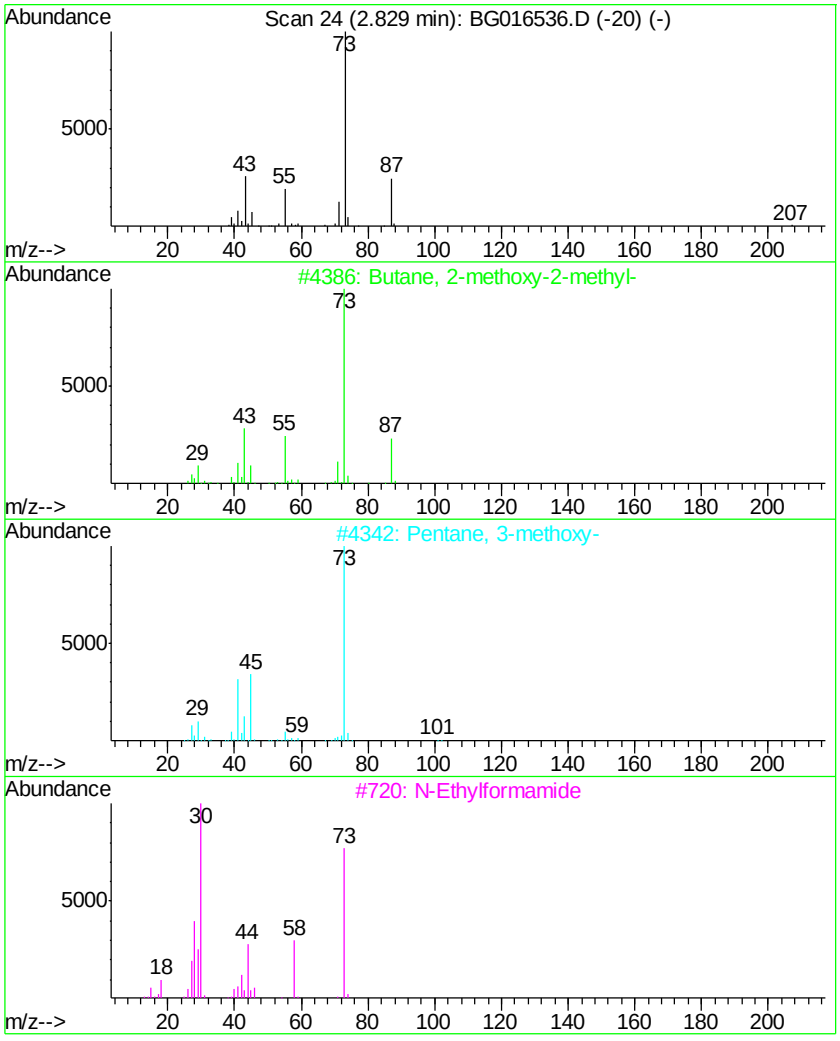
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

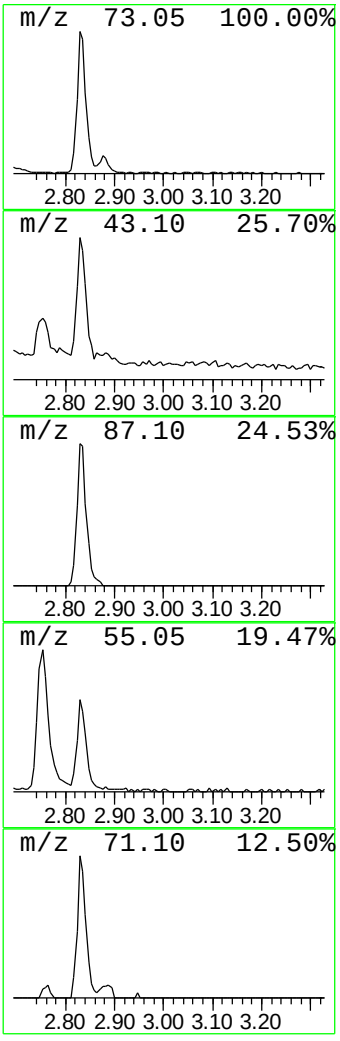
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.83	4.52 ng	93999	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

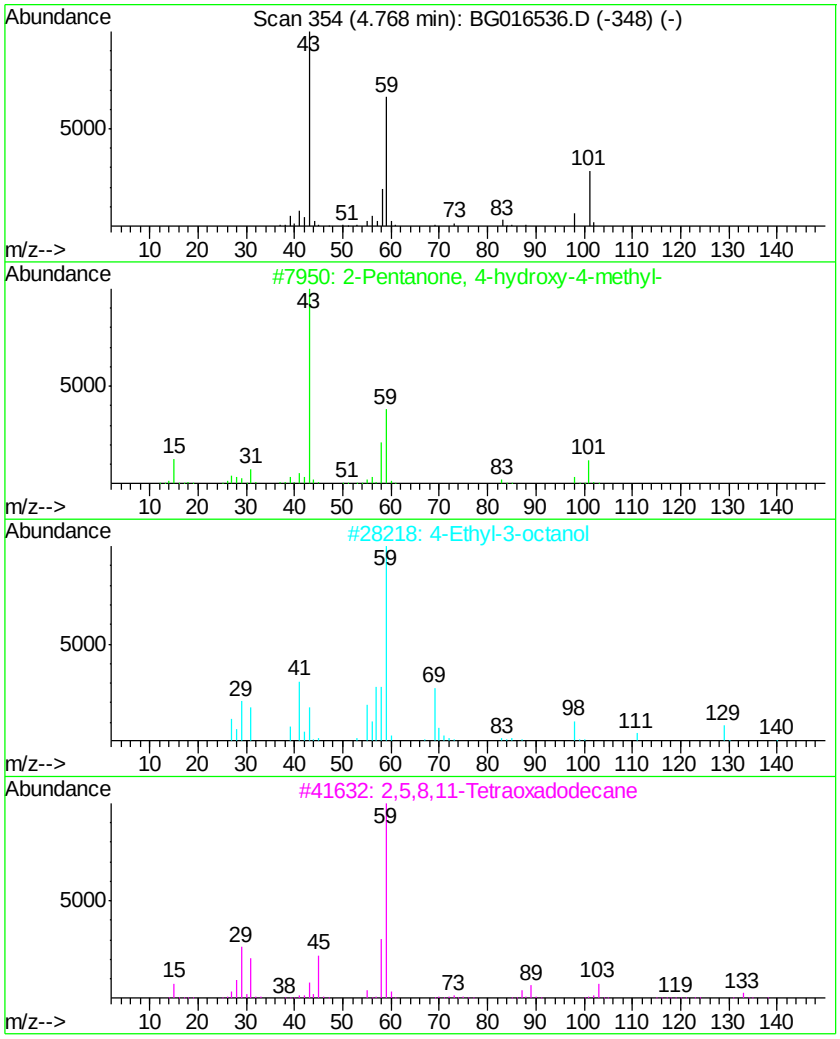
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

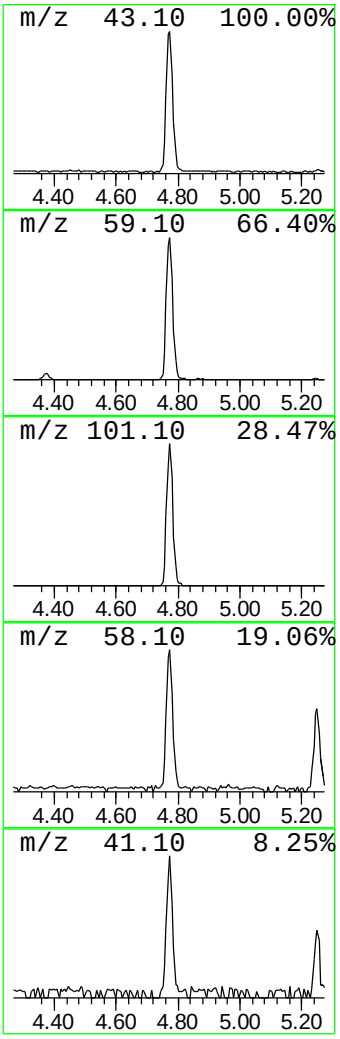
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	6.89 ng	143368	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	4-Ethyl-3-octanol	158	C10H22O	019781-26-1	38
3	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	25
4	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	25
5	Acetic acid, 10,11-dihydroxy-3,7...	298	C17H30O4	1000194-28-5	17





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

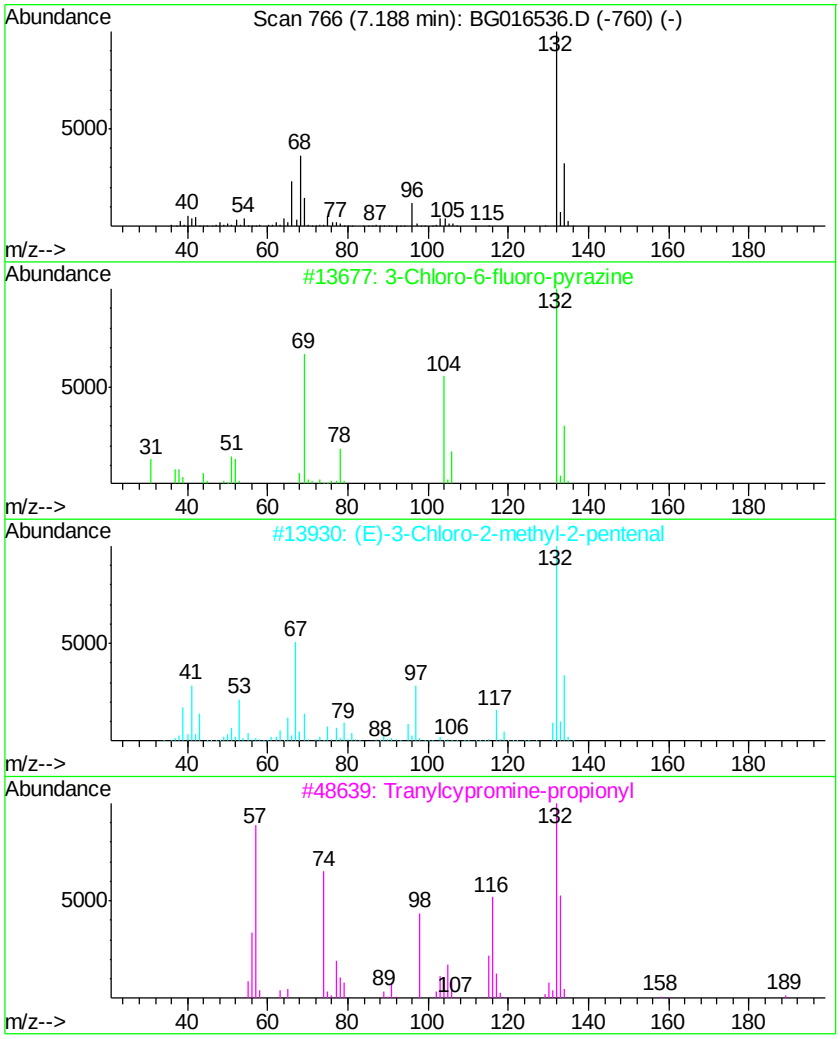
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

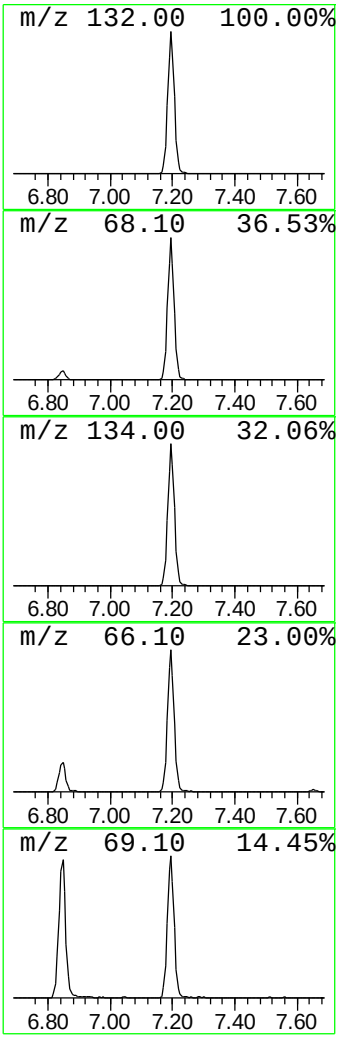
****

Peak Number 5 unknown7.19 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	55.69 ng	1158020	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

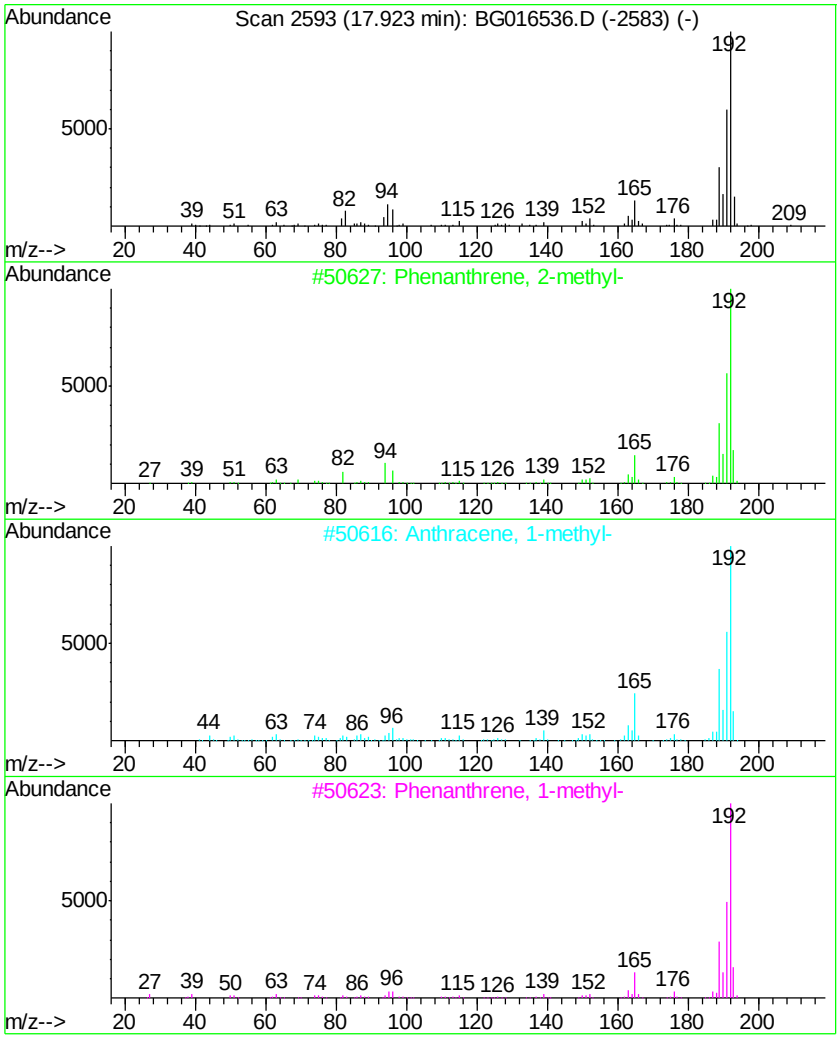
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

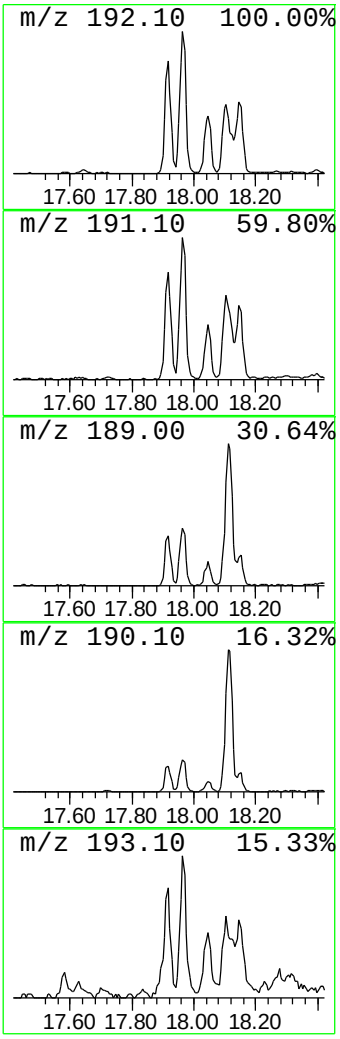
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.86 ng	149300	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

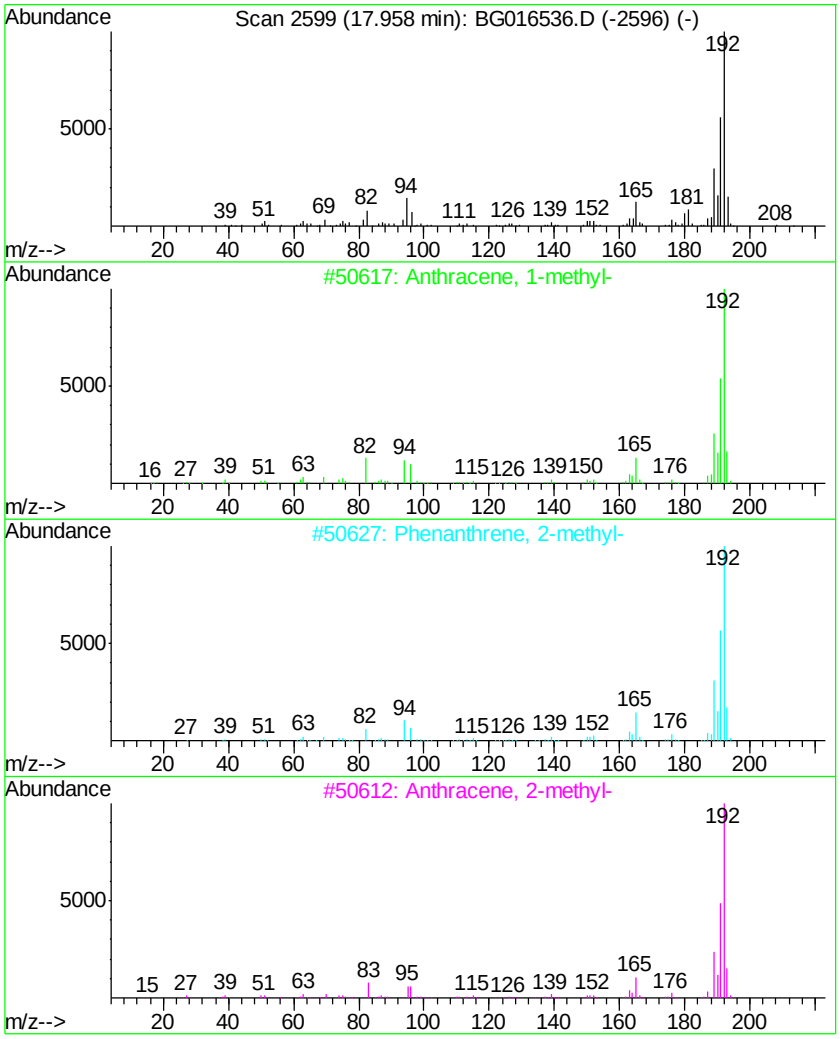
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

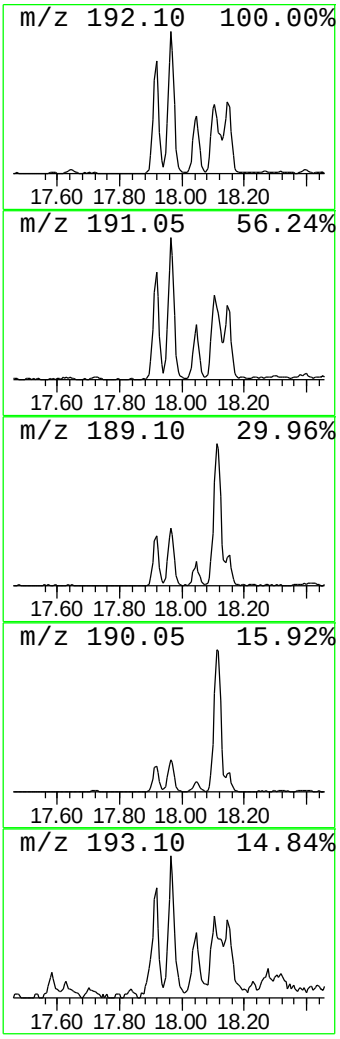
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	3.81 ng	199185	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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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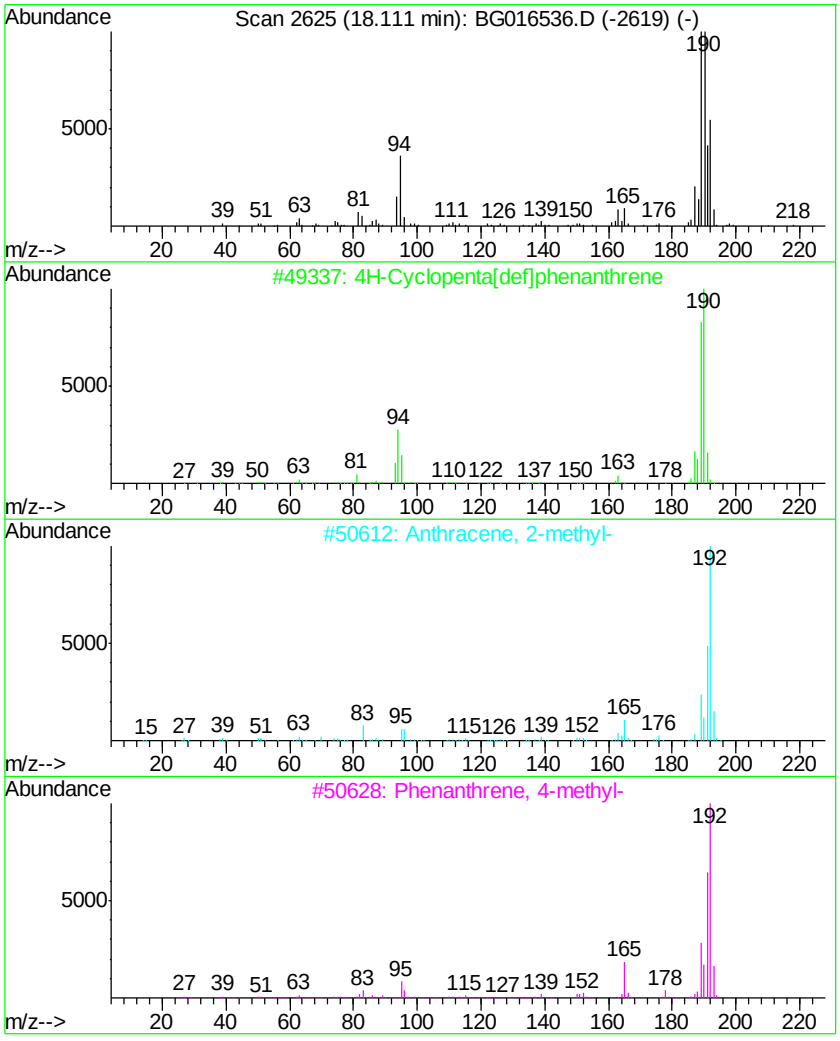
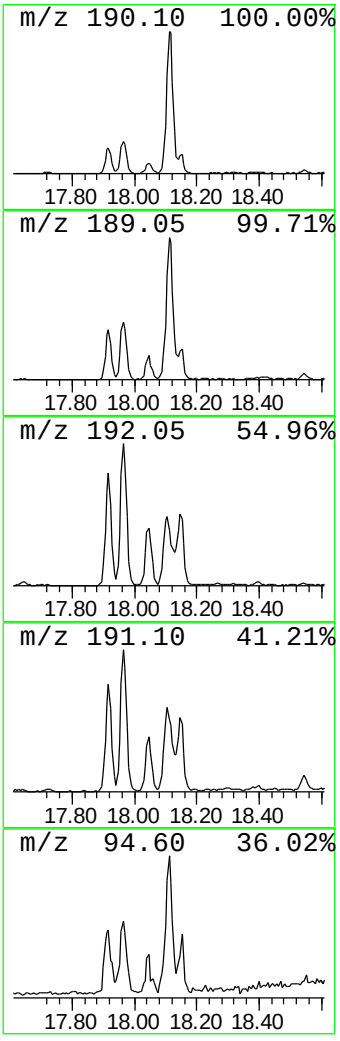
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	4.47 ng	233324	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	18
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	18





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Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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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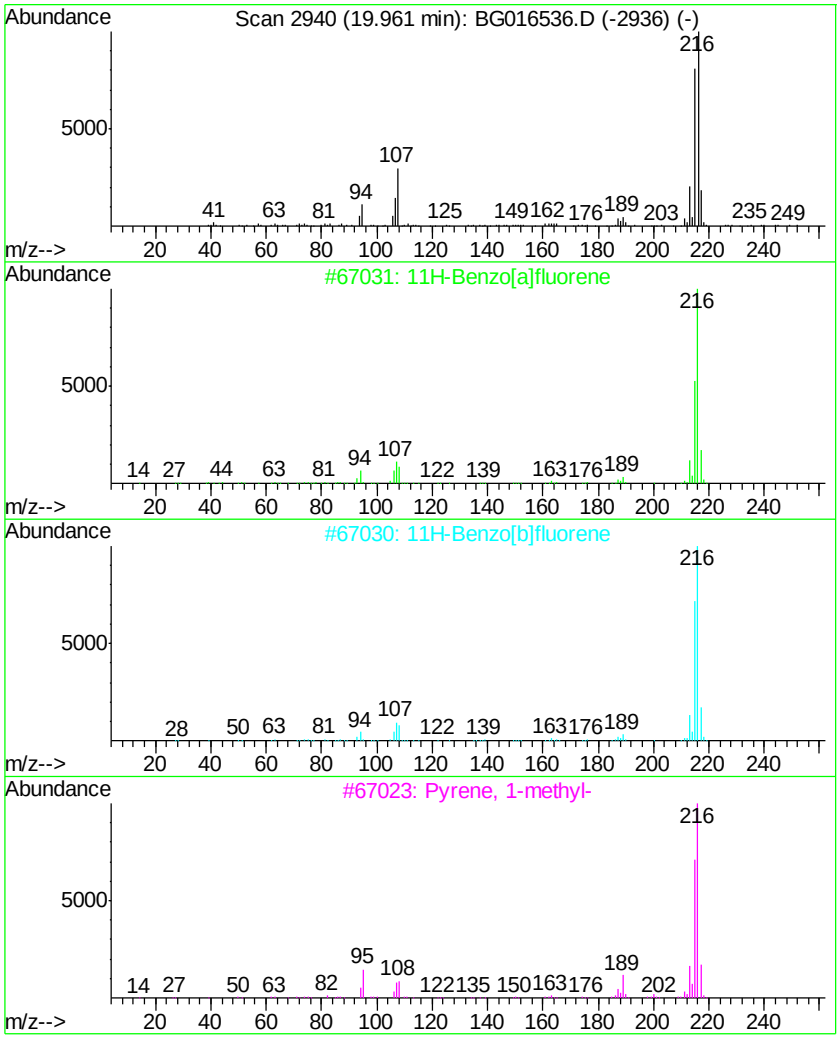
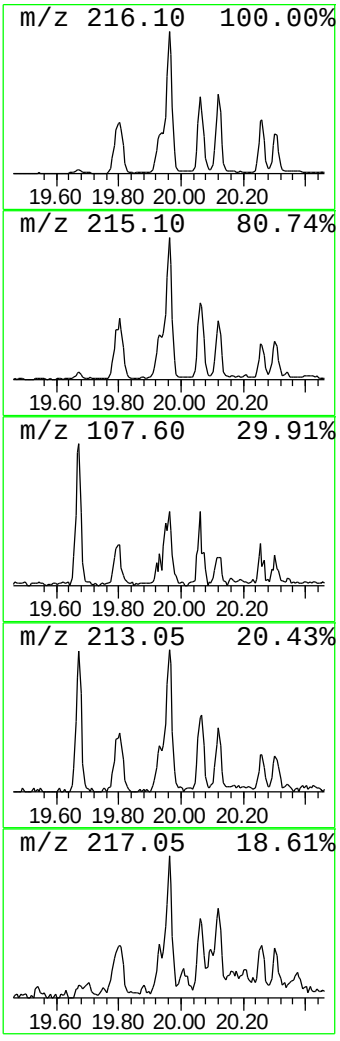
Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.10 ng	188764	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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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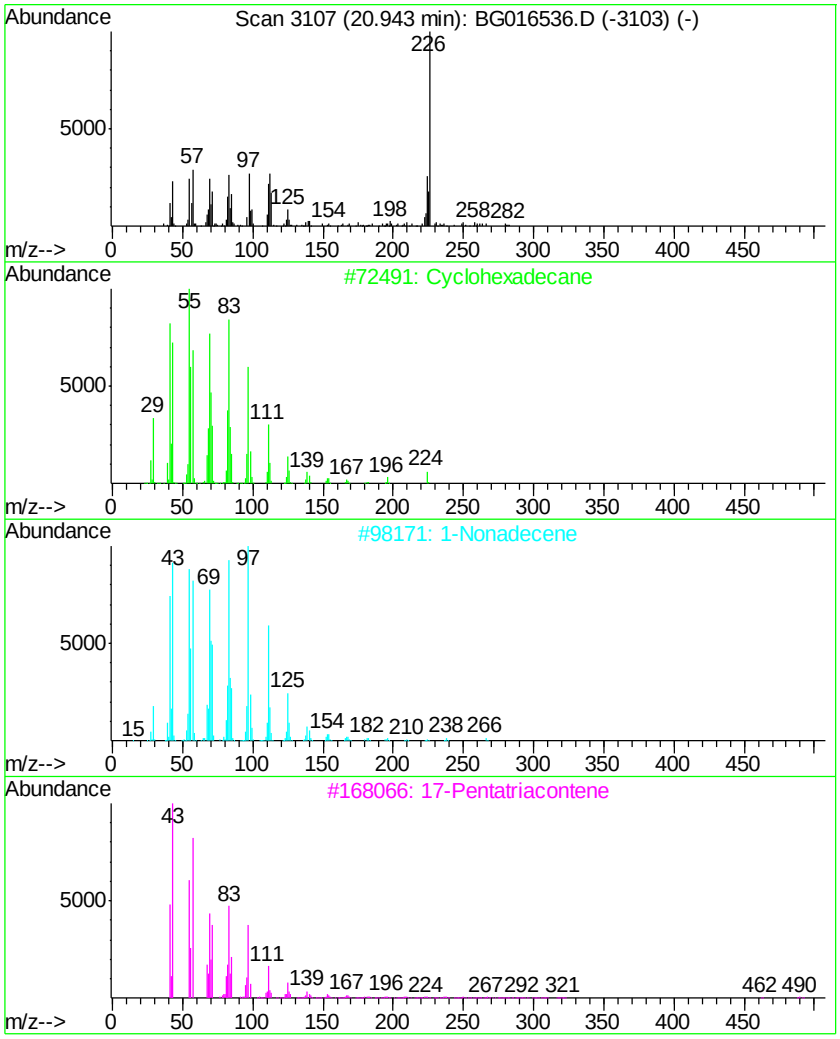
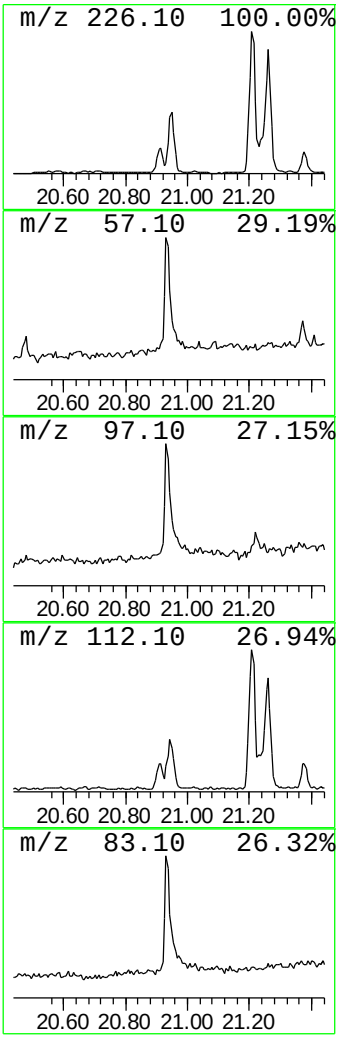
Peak Number 11 Cyclohexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	3.08 ng	276843	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	92
2	1-Nonadecene	266	C19H38	018435-45-5	76
3	17-Pentatriacontene	491	C35H70	006971-40-0	74
4	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	68
5	1-Octadecanol	270	C18H38O	000112-92-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016536.D
Acq On : 19 Apr 2015 00:17
Operator : TP/IZ
Sample : G1880-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1-1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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
Butane, 2-methoxy...	2.83	4.5	ng	93999	1	7.66	415878	20.0
2-Pentanone, 4-hy...	4.77	6.9	ng	143368	1	7.66	415878	20.0
unknown7.19	7.19	55.7	ng	1158020	1	7.66	415878	20.0
Phenanthrene, 2-m...	17.92	2.9	ng	149300	4	17.04	1044900	20.0
Anthracene, 1-met...	17.96	3.8	ng	199185	4	17.04	1044900	20.0
4H-Cyclopenta[def...	18.11	4.5	ng	233324	4	17.04	1044900	20.0
11H-Benzo[a]fluorene	19.96	2.1	ng	188764	5	21.22	1799180	20.0
Cyclohexadecane	20.94	3.1	ng	276843	5	21.22	1799180	20.0