LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

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-BG060616.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	2.984	19	25	43	rVB	640116	1025122	84.57%	6.977%
2	5.188	394	400	411	rVB2	18249	35119	2.90%	0.239%
3	5.664	473	481	500	rBV	206973	392994	32.42%	2.675%
4	7.274	748	755	765	rBV	241781	473182	39.04%	3.221%
5	7.644	811	818	834	rBV	254044	512950	42.32%	3.491%
6	8.120	891	899	911	rBV	83048	171447	14.14%	1.167%
7	8.437	942	953	964	rBV	187086	387837	32.00%	2.640%
8	9.289	1090	1098	1115	rBV	123110	276803	22.84%	1.884%
9	10.934	1370	1378	1384	rBV	153814	311891	25.73%	2.123%
10	12.591	1654	1660	1666	rBV2	10099	20787	1.71%	0.141%
11	12.802	1687	1696	1705	rVB	10198	19232	1.59%	0.131%
12	13.366	1785	1792	1805	rBV	526770	912038	75.24%	6.208%
13	13.930	1880	1888	1897	rVB8	4874	12897	1.06%	0.088%
14	14.071	1904	1912	1916	rBV4	9386	18686	1.54%	0.127%
15	14.189	1926	1932	1938	rBV	52647	82751	6.83%	0.563%
16	14.747	2016	2027	2033	rBV2	270905	500588	41.30%	3.407%
17	14.806	2033	2037	2044	rVB	28108	51322	4.23%	0.349%
18	15.141	2086	2094	2102	rBV2	16178	33589	2.77%	0.229%
19	15.787	2198	2204	2214	rVB2	31275	59884	4.94%	0.408%
20	16.081	2247	2254	2262	rVB6	9311	20279	1.67%	0.138%
21	16.234	2273	2280	2299	rBV	308145	565429	46.65%	3.848%
22	16.792	2364	2375	2380	rBV7	9224	27103	2.24%	0.184%
23	17.015	2405	2413	2417	rBV8	6634	18042	1.49%	0.123%
24	17.150	2429	2436	2440	rBV4	12335	22407	1.85%	0.153%
25	17.209	2442	2446	2451	rBV3	14216	22763	1.88%	0.155%
26	17.309	2459	2463	2472	rVB2	16990	31989	2.64%	0.218%
27	17.485	2482	2493	2497	rBV	318790	551503	45.50%	3.754%
28	17.532	2497	2501	2508	rVV	335306	562699	46.42%	3.830%
29	17.620	2508	2516	2524	rVV	71944	139229	11.49%	0.948%
30	17.902	2550	2564	2569	rBV2	21031	68094	5.62%	0.463%
31	17.955	2569	2573	2578	rVV5	13141	21028	1.73%	0.143%
32	18.067	2588	2592	2599	rVB7	7046	13880	1.15%	0.094%
33	18.361	2634	2642	2646	rBV2	40436	71464	5.90%	0.486%
34	18.408	2646	2650	2657	rVB	49338	86126	7.11%	0.586%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

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-BG060616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.490	2659	2664	2669	rBV	18624	27944	2.31%	0.190%
36	18.554	2669	2675	2679	rBV3	57805	116664	9.62%	0.794%
37	18.854	2722	2726	2731	rBV	24175	38077	3.14%	0.259%
38	18.901	2731	2734	2744	rVB3	13712	25851	2.13%	0.176%
39	19.089	2761	2766	2771	rBV5	13088	23235	1.92%	0.158%
40	19.265	2791	2796	2802	rBV2	29381	49868	4.11%	0.339%
41	19.330	2802	2807	2811	rBV7	11161	20849	1.72%	0.142%
42	19.412	2816	2821	2827	rVB4	22554	42421	3.50%	0.289%
43	19.530	2835	2841	2847	rBV	430897	712156	58.75%	4.847%
44	19.624	2854	2857	2863	rVB3	9043	14098	1.16%	0.096%
45	19.771	2878	2882	2890	rVB3	14483	32196	2.66%	0.219%
46	19.894	2891	2903	2910	rBV	407647	749591	61.84%	5.102%
47	19.959	2910	2914	2922	rVB4	21542	44153	3.64%	0.301%
48	20.082	2922	2935	2941	rBV	807043	1212094	100.00%	8.250%
49	20.205	2951	2956	2957	rBV2	24177	34932	2.88%	0.238%
50	20.294	2964	2971	2975	rBV3	53404	89524	7.39%	0.609%
51	20.376	2975	2985	2991	rVB	53599	141200	11.65%	0.961%
52	20.482	2998	3003	3006	rBV2	38647	58845	4.85%	0.401%
53	20.540	3007	3013	3017	rVV3	31439	59810	4.93%	0.407%
54	20.675	3032	3036	3041	rBV	24527	47958	3.96%	0.326%
55	20.722	3041	3044	3048	rVV2	19151	26854	2.22%	0.183%
56	21.151	3112	3117	3125	rVB2	29540	52975	4.37%	0.361%
57	21.334	3140	3148	3152	rBV3	31830	75064	6.19%	0.511%
58	21.375	3152	3155	3160	rVV3	37370	61250	5.05%	0.417%
59	21.433	3160	3165	3170	rVV4	26298	48499	4.00%	0.330%
60	21.621	3194	3197	3200	rVB4	12317	15952	1.32%	0.109%
61	21.762	3211	3221	3226	rBV3	376122	985640	81.32%	6.709%
62	21.809	3226	3229	3241	rVB	156020	286506	23.64%	1.950%
63	21.968	3251	3256	3264	rVB2	23501	42812	3.53%	0.291%
64	22.180	3288	3292	3298	rVB5	15453	29351	2.42%	0.200%
65	22.579	3357	3360	3367	rVB5	17678	33658	2.78%	0.229%
66	22.779	3391	3394	3399	rBV5	14253	24548	2.03%	0.167%
67	23.601	3529	3534	3535	rBV5	12270	14780	1.22%	0.101%
68	24.013	3595	3604	3625	rVB2	99635	517894	42.73%	3.525%
69	24.271	3643	3648	3657	rVB3	17915	50036	4.13%	0.341%
70	24.747	3720	3729	3743	rVB2	70331	218230	18.00%	1.485%
71	24.900	3746	3755	3765	rBV	93349	279350	23.05%	1.901%

LSC Area Percent Report

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Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

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-BG060616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	25.059	3770	3782	3790	rBV2	176732	592676	48.90%	4.034%
73	26.815	4075	4081	4082	rBV6	6589	12692	1.05%	0.086%
74	28.825	4410	4423	4435	rBV3	35348	177596	14.65%	1.209%
75	29.307	4499	4505	4507	rBV6	7522	13244	1.09%	0.090%
76	29.994	4611	4622	4624	rBV3	24636	70092	5.78%	0.477%

Sum of corrected areas: 14692319

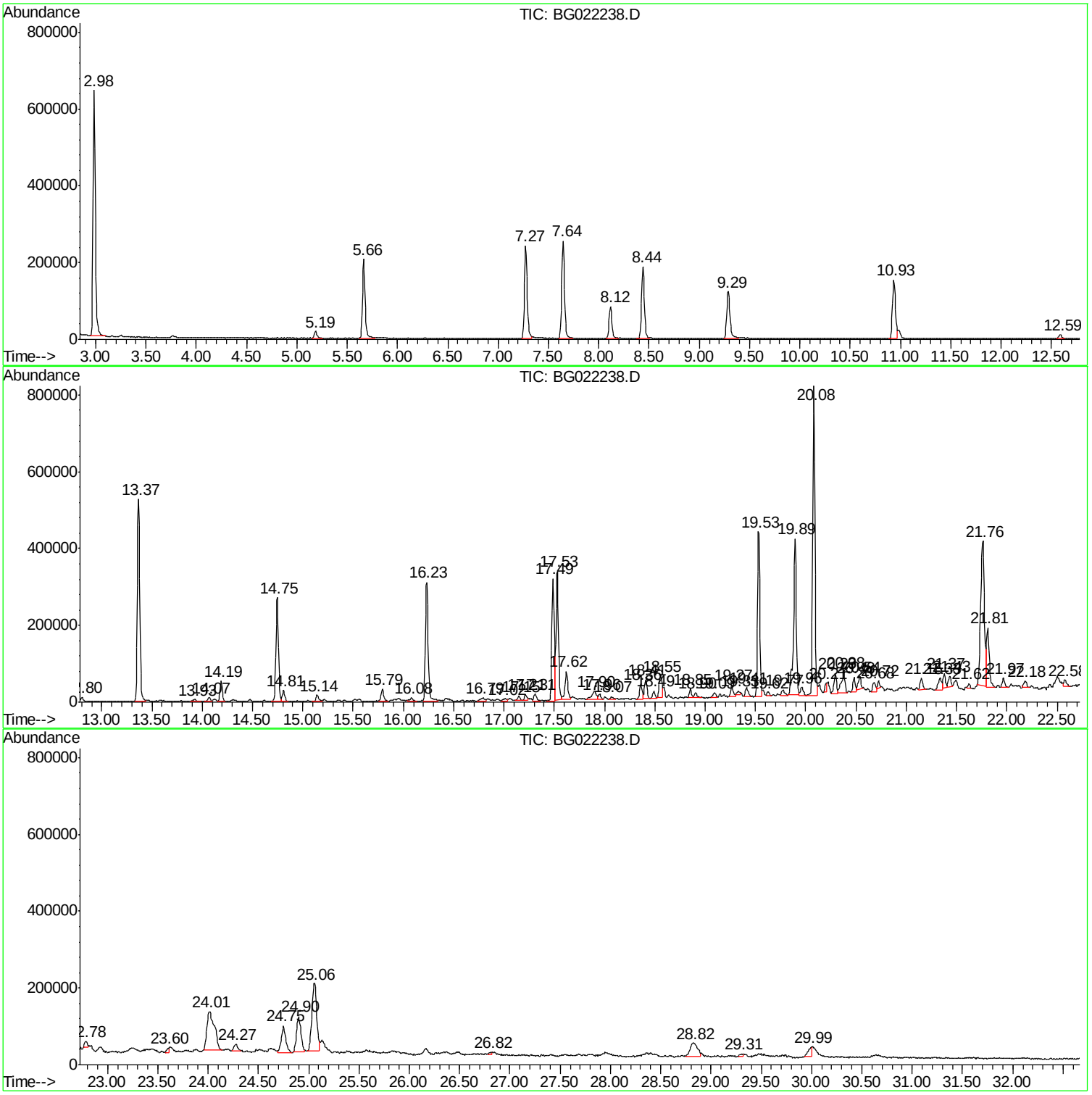
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

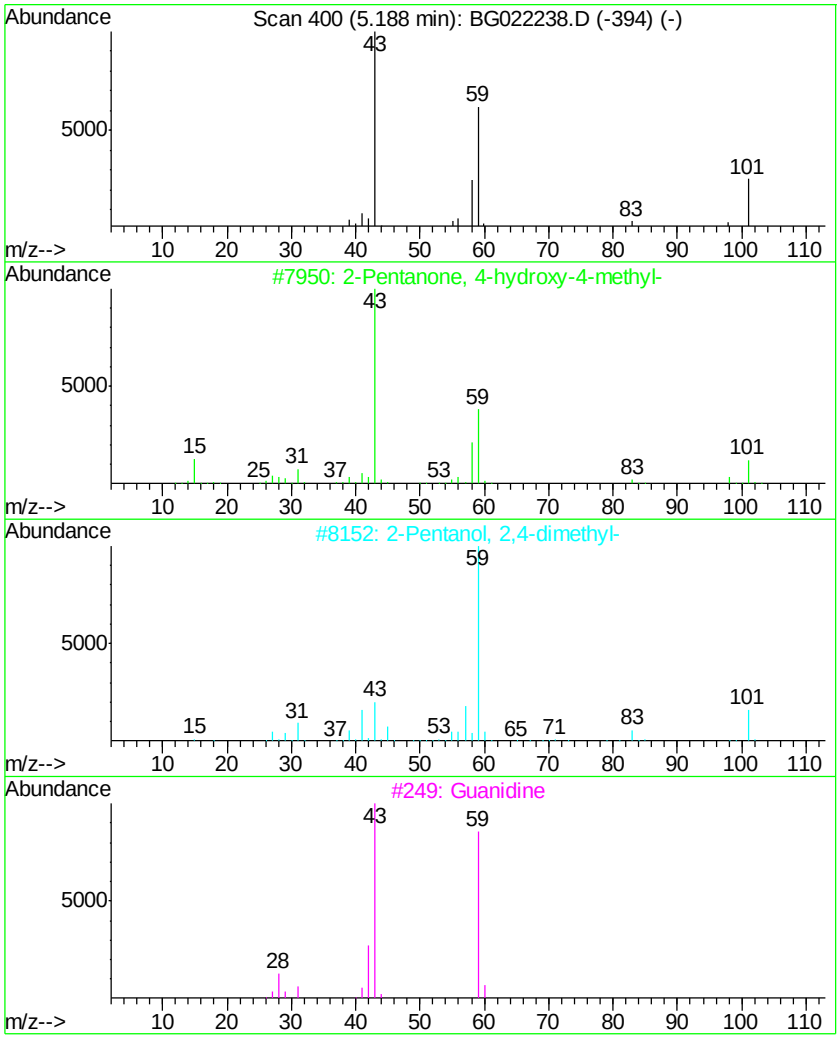
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

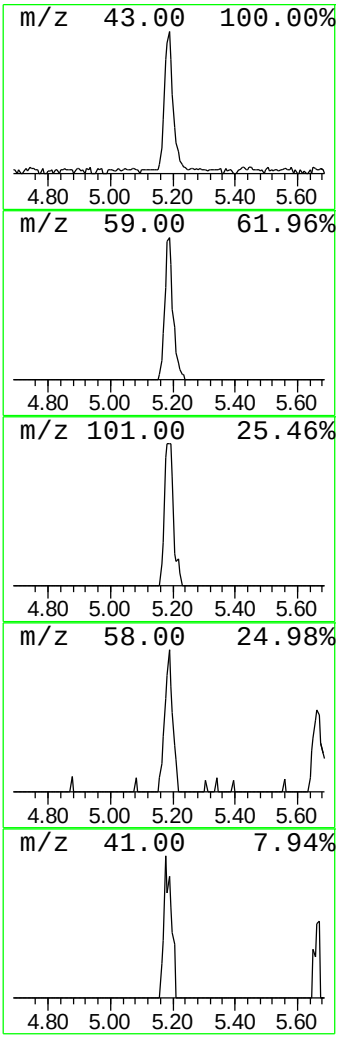
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	4.10 ng	35119	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	74
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	50
3	Guanidine	59	CH5N3	000113-00-8	9
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

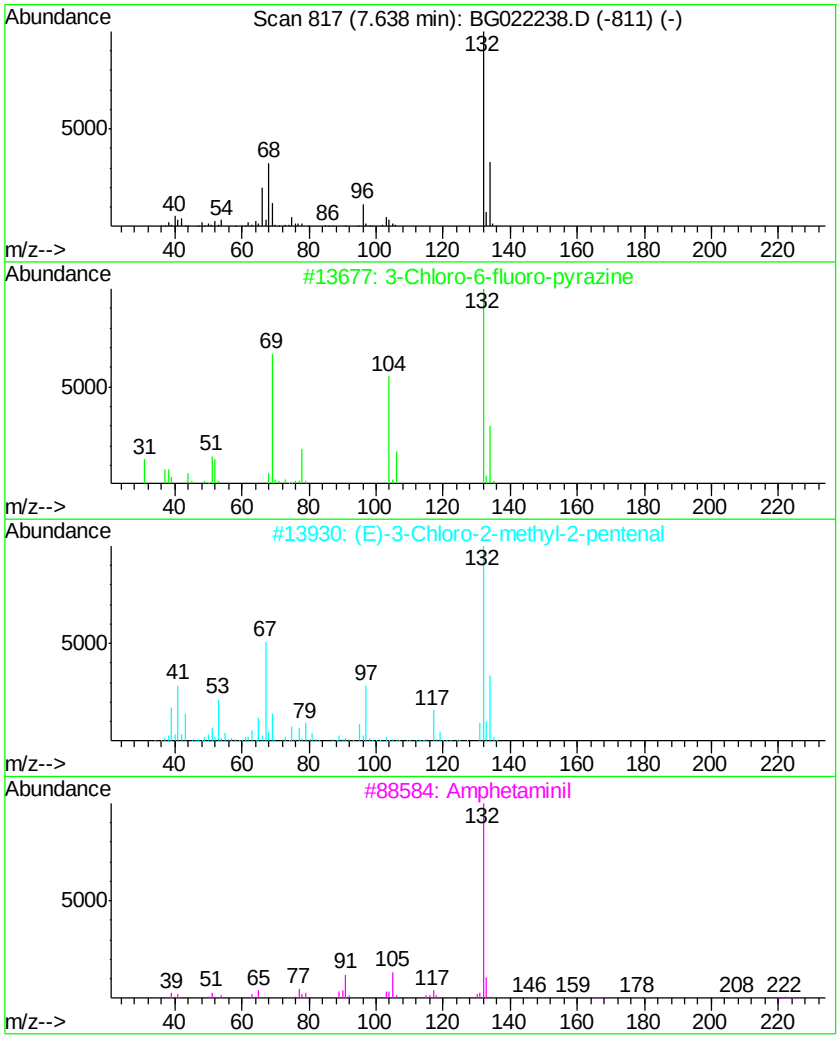
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

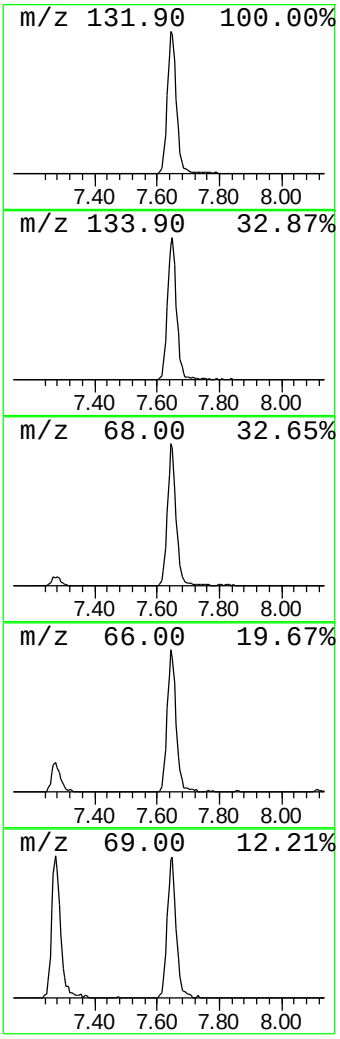
****

Peak Number 3 unknown7.64 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	59.84 ng	512950	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

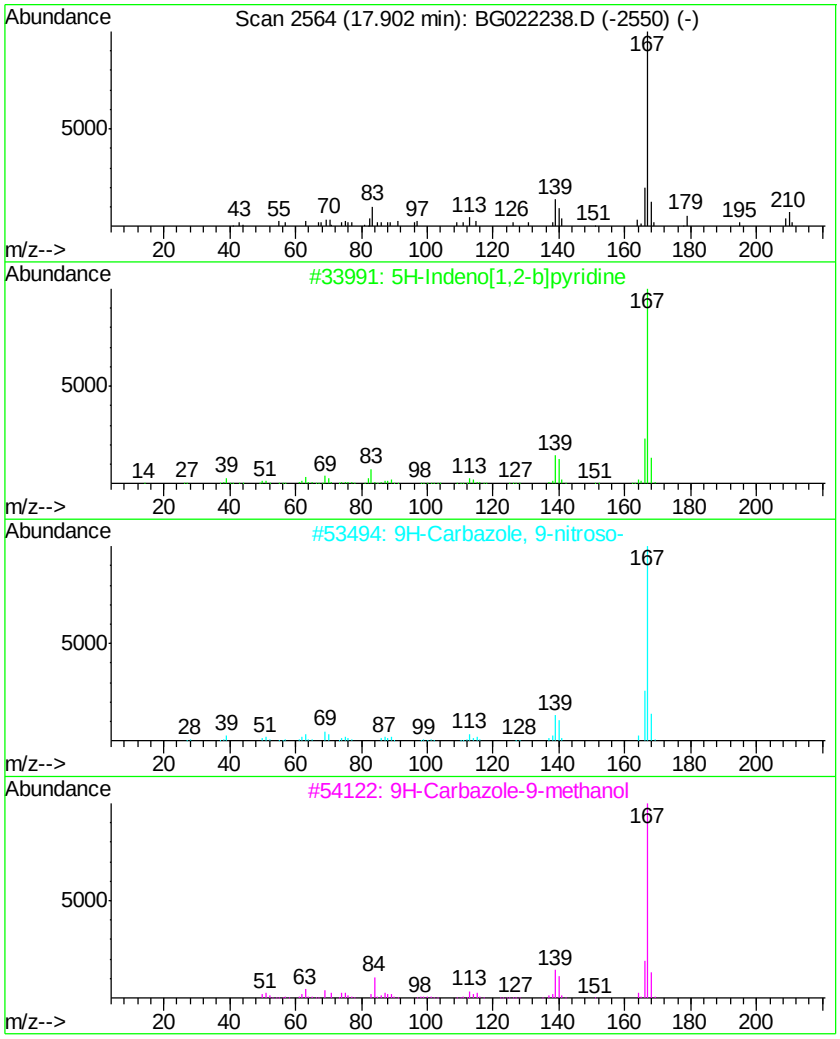
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

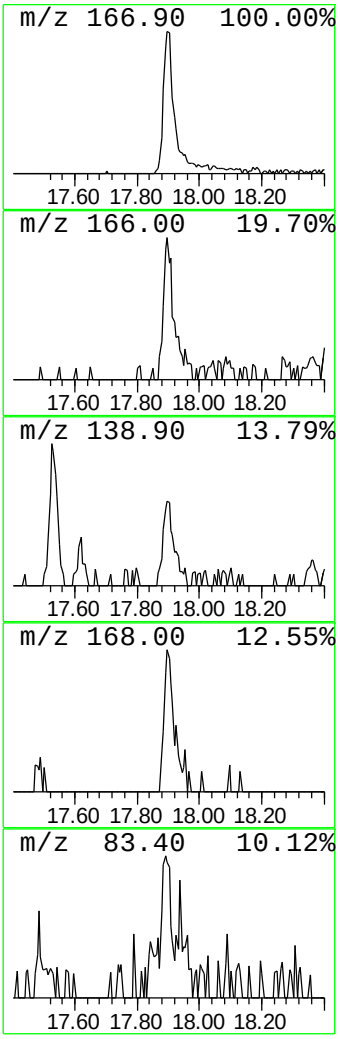
****

Peak Number 6 5H-Indeno[1,2-b]pyridine Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	2.47 ng	68094	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	83
2	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80
3	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	80
4	Carbazole	167	C12H9N	000086-74-8	72
5	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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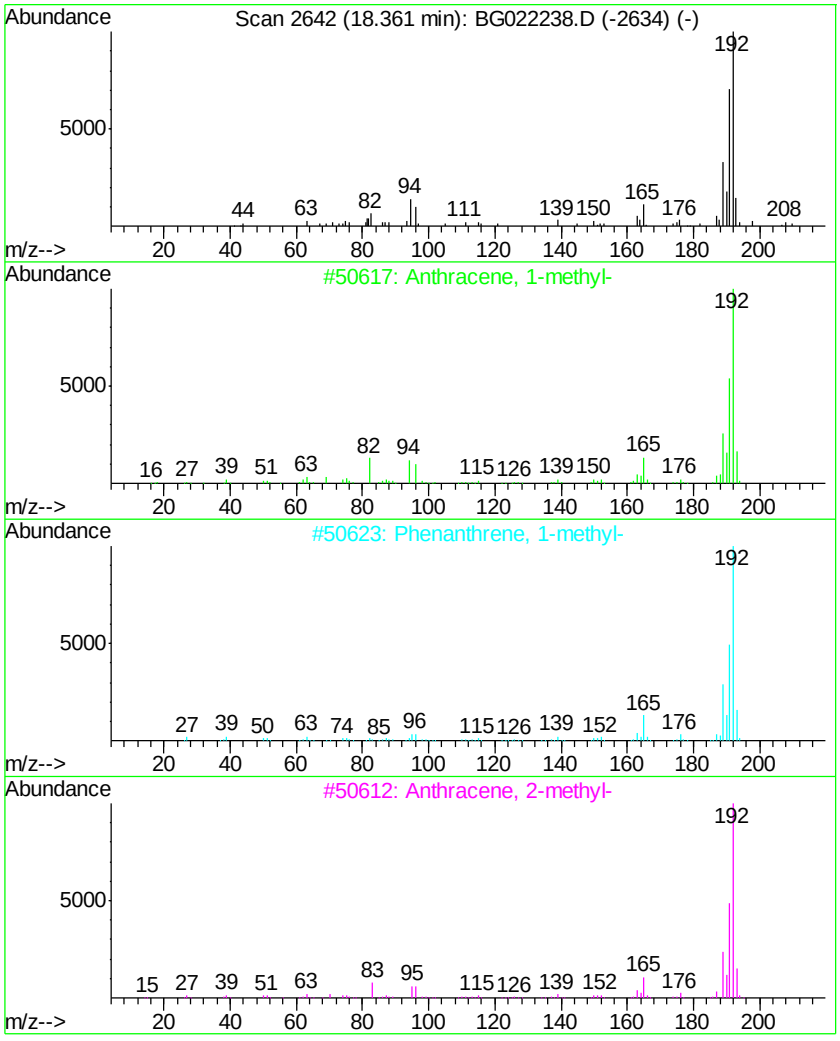
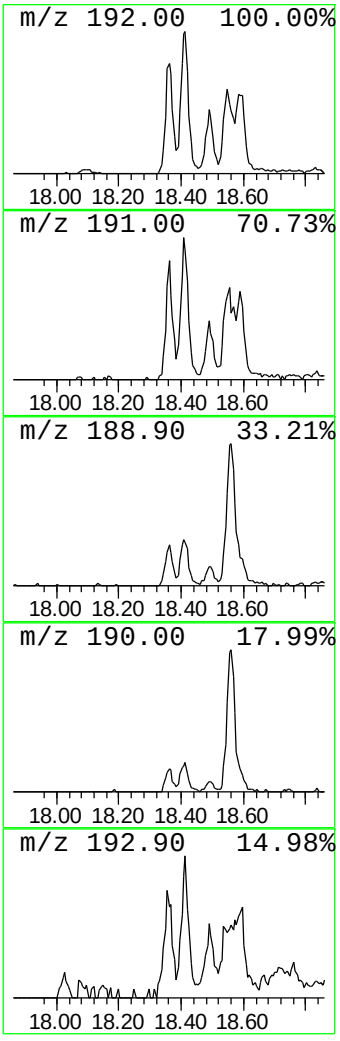
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.59 ng	71464	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

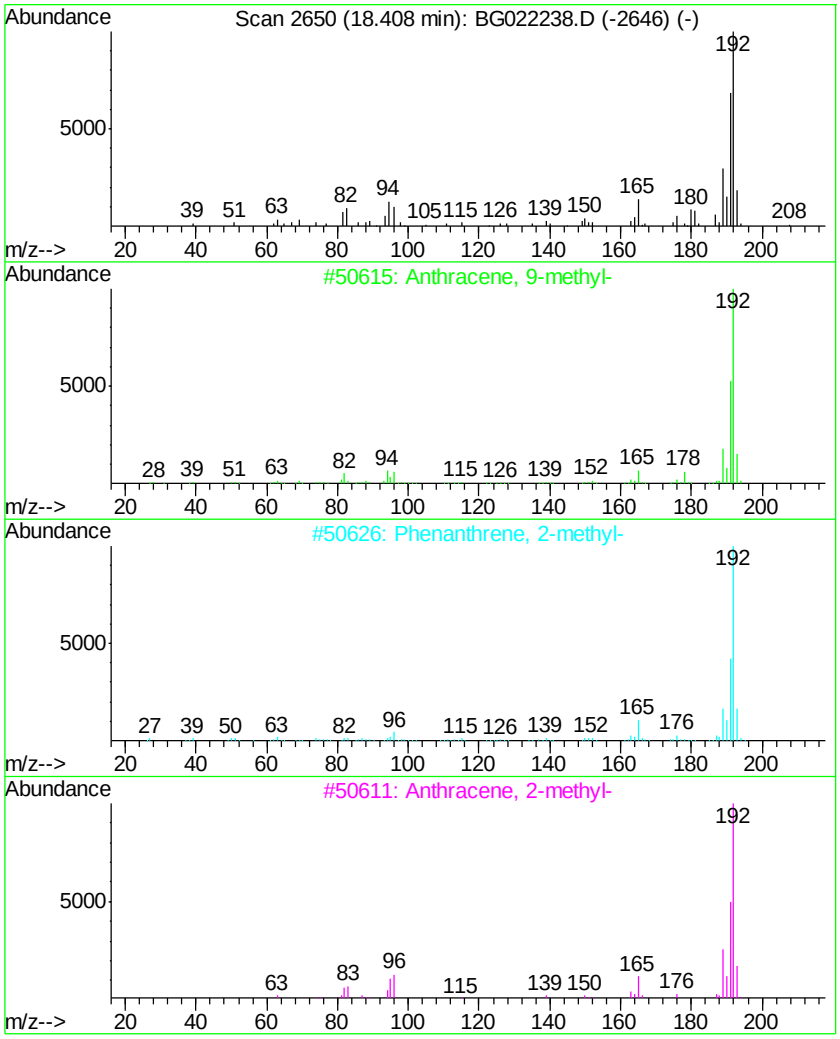
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

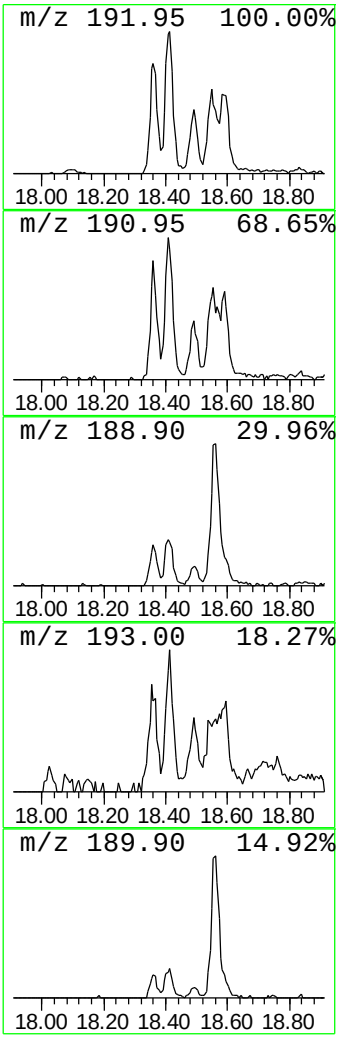
****

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	3.12 ng	86126	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

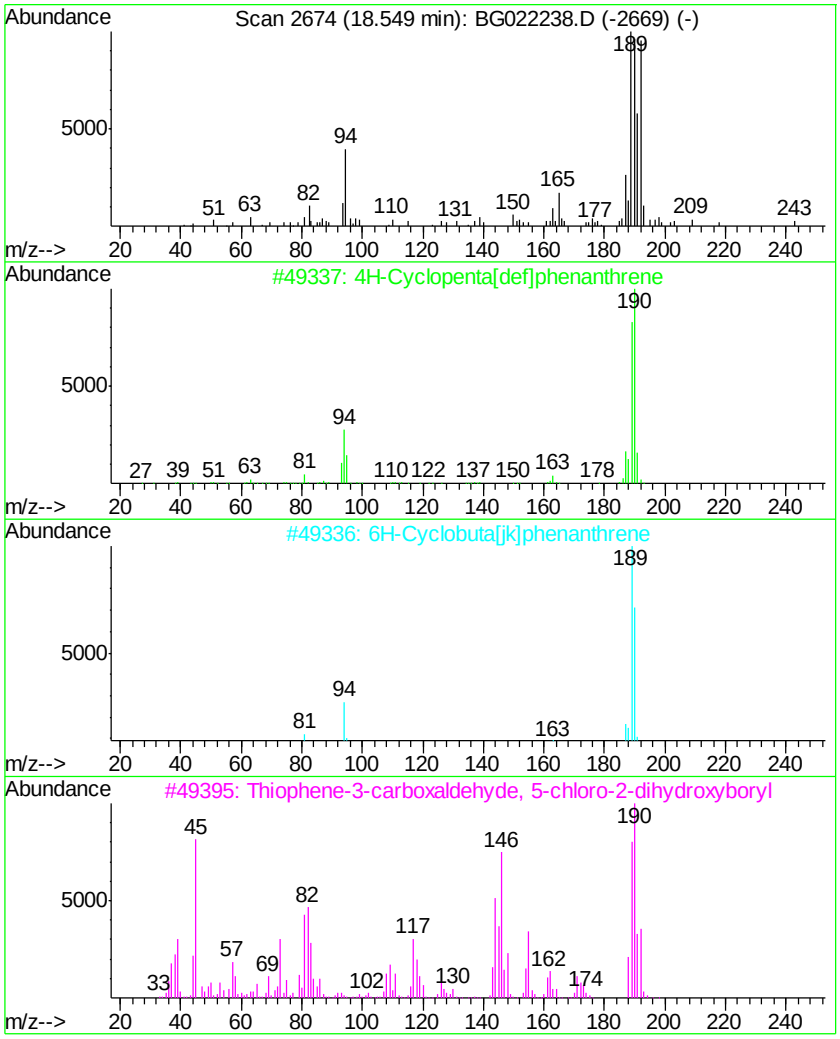
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

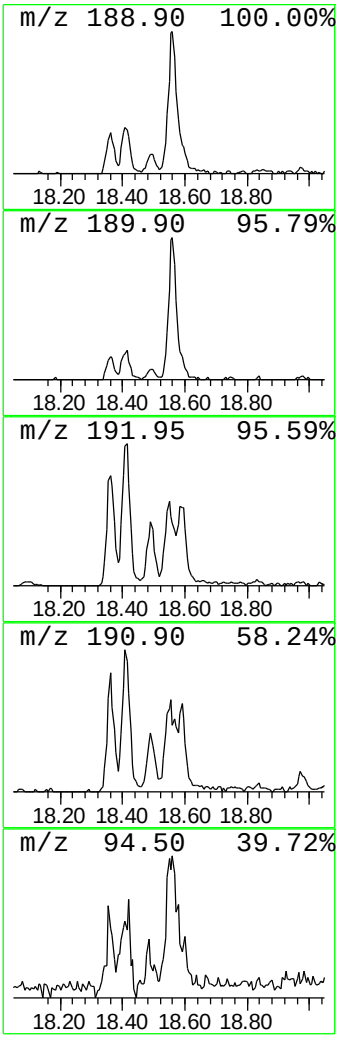
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	4.23 ng	116664	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	17





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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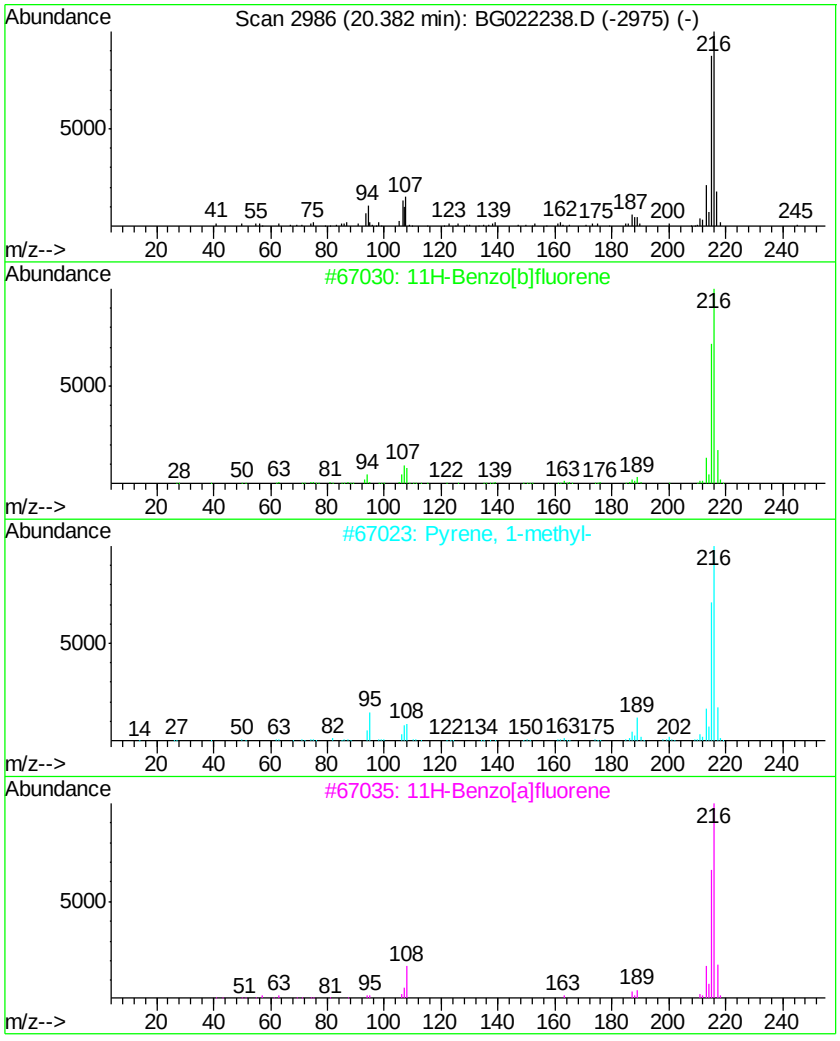
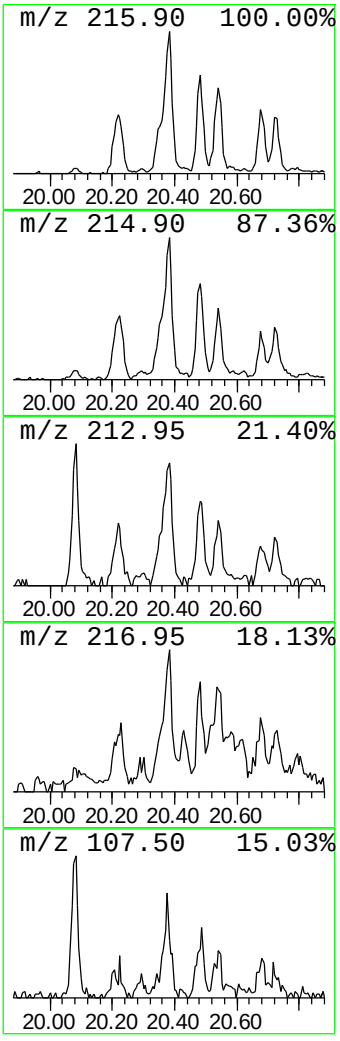
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	2.87 ng	141200	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060816\
Data File : BG022238.D
Acq On : 8 Jun 2016 16:49
Operator : UM/SJ
Sample : H3402-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SS-38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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
2-Pentanone, 4-hy...	5.19	4.1	ng	35119	1	8.12	171447	20.0
unknown7.64	7.64	59.8	ng	512950	1	8.12	171447	20.0
5H-Indeno[1,2-b]p...	17.90	2.5	ng	68094	4	17.49	551503	20.0
Anthracene, 1-met...	18.36	2.6	ng	71464	4	17.49	551503	20.0
Anthracene, 9-met...	18.41	3.1	ng	86126	4	17.49	551503	20.0
4H-Cyclopenta[def...	18.55	4.2	ng	116664	4	17.49	551503	20.0
11H-Benzo[b]fluorene	20.38	2.9	ng	141200	5	21.76	985640	20.0