LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

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-BG042315.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	5.167	416	422	433	rVB	268239	396131	6.59%	0.648%
2	6.771	686	695	712	rBV	279250	471394	7.84%	0.771%
3	7.112	746	753	765	rVB	298668	477061	7.94%	0.780%
4	7.570	825	831	838	rBV	214803	325546	5.42%	0.532%
5	7.888	879	885	892	rBV	237636	368205	6.13%	0.602%
6	8.734	1021	1029	1036	rBV	163169	271894	4.52%	0.445%
7	10.355	1298	1305	1309	rBV	305167	496147	8.26%	0.811%
8	10.402	1309	1313	1322	rVB	180651	290602	4.84%	0.475%
9	12.024	1583	1589	1598	rBV	139425	228931	3.81%	0.374%
10	12.247	1615	1627	1638	rBV	111444	175908	2.93%	0.288%
11	12.841	1721	1728	1740	rVB	485577	720524	11.99%	1.178%
12	13.540	1839	1847	1852	rBV	99602	182207	3.03%	0.298%
13	13.599	1852	1857	1867	rVB	75679	118417	1.97%	0.194%
14	14.227	1955	1964	1969	rBV2	447680	732472	12.19%	1.198%
15	14.286	1969	1974	1982	rVV	430605	642035	10.68%	1.050%
16	14.627	2025	2032	2041	rVV	381140	559476	9.31%	0.915%
17	15.273	2136	2142	2148	rBV	490371	730175	12.15%	1.194%
18	15.402	2161	2164	2167	rVV	63662	90747	1.51%	0.148%
19	15.438	2167	2170	2174	rVV2	88367	120982	2.01%	0.198%
20	15.573	2188	2193	2201	rVB2	168909	312286	5.20%	0.511%
21	15.720	2213	2218	2226	rVV	485291	757859	12.61%	1.239%
22	15.808	2226	2233	2239	rVB4	43714	95361	1.59%	0.156%
23	16.119	2281	2286	2292	rVB	578018	704175	11.72%	1.151%
24	16.260	2302	2310	2311	rBV2	71410	122766	2.04%	0.201%
25	16.278	2311	2313	2318	rVV2	106333	150682	2.51%	0.246%
26	16.507	2348	2352	2355	rVV2	76965	115802	1.93%	0.189%
27	16.548	2355	2359	2362	rVB2	70824	93179	1.55%	0.152%
28	16.630	2368	2373	2379	rVB	216920	322439	5.36%	0.527%
29	16.707	2379	2386	2392	rBV2	98572	225320	3.75%	0.368%
30	16.789	2395	2400	2410	rVB	313397	453933	7.55%	0.742%
31	16.971	2420	2431	2434	rBV	500723	779718	12.97%	1.275%
32	17.018	2434	2439	2445	rVV	4056918	6010073	100.00%	9.826%
33	17.106	2445	2454	2459	rVV	1209420	1792420	29.82%	2.931%
34	17.159	2459	2463	2469	rVV2	94735	160209	2.67%	0.262%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

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-BG042315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.347	2489	2495	2497	rBV	116319	167641	2.79%	0.274%
36	17.382	2497	2501	2515	rVB	438970	672404	11.19%	1.099%
37	17.488	2515	2519	2526	rVB3	85804	126239	2.10%	0.206%
38	17.553	2526	2530	2537	rBV5	78708	149302	2.48%	0.244%
39	17.847	2570	2580	2584	rBV	455826	731521	12.17%	1.196%
40	17.894	2584	2588	2595	rVB	698274	938939	15.62%	1.535%
41	17.976	2595	2602	2607	rBV	310655	443591	7.38%	0.725%
42	18.041	2607	2613	2617	rBV2	644123	1136958	18.92%	1.859%
43	18.076	2617	2619	2626	rVB	315305	375623	6.25%	0.614%
44	18.152	2626	2632	2636	rBV4	67592	115979	1.93%	0.190%
45	18.199	2636	2640	2644	rVB	76396	91191	1.52%	0.149%
46	18.352	2661	2666	2670	rVV	338186	424508	7.06%	0.694%
47	18.399	2670	2674	2678	rVB	201861	253307	4.21%	0.414%
48	18.599	2700	2708	2712	rBV5	103940	180392	3.00%	0.295%
49	18.646	2712	2716	2719	rVV2	86624	112110	1.87%	0.183%
50	18.687	2719	2723	2727	rVB2	95061	129632	2.16%	0.212%
51	18.769	2727	2737	2744	rBV	204385	492438	8.19%	0.805%
52	18.834	2745	2748	2751	rVV2	140840	225602	3.75%	0.369%
53	18.863	2751	2753	2756	rVV	97331	113652	1.89%	0.186%
54	18.916	2756	2762	2770	rVB3	184531	360488	6.00%	0.589%
55	19.039	2777	2783	2789	rBV	3728250	5232570	87.06%	8.555%
56	19.133	2796	2799	2804	rVB2	111904	149038	2.48%	0.244%
57	19.245	2811	2818	2819	rBV5	72486	148461	2.47%	0.243%
58	19.280	2820	2824	2827	rVB	122565	182240	3.03%	0.298%
59	19.404	2834	2845	2853	rBV2	3154169	5471095	91.03%	8.945%
60	19.474	2853	2857	2864	rVB2	195075	308576	5.13%	0.505%
61	19.580	2870	2875	2876	rBV	232723	278193	4.63%	0.455%
62	19.603	2876	2879	2883	rVB	654319	741593	12.34%	1.212%
63	19.645	2883	2886	2891	rVB	237951	314312	5.23%	0.514%
64	19.721	2894	2899	2900	rBV	220561	293879	4.89%	0.480%
65	19.856	2917	2922	2925	rBV4	161680	303905	5.06%	0.497%
66	19.897	2925	2929	2934	rVB	381407	572109	9.52%	0.935%
67	19.997	2942	2946	2949	rBV	227739	267718	4.45%	0.438%
68	20.056	2949	2956	2960	rVV2	319488	554757	9.23%	0.907%
69	20.132	2966	2969	2974	rVB2	84602	111245	1.85%	0.182%
70	20.197	2976	2980	2983	rBV	157695	188817	3.14%	0.309%
71	20.238	2983	2987	2991	rBV3	165327	229019	3.81%	0.374%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

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-BG042315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.355	3004	3007	3011	rVB2	84728	108011	1.80%	0.177%
73	20.461	3019	3025	3026	rBV3	56634	99791	1.66%	0.163%
74	20.643	3052	3056	3062	rVB	301211	389466	6.48%	0.637%
75	20.808	3078	3084	3087	rBV2	253135	438625	7.30%	0.717%
76	20.843	3087	3090	3094	rVV	321529	448759	7.47%	0.734%
77	20.884	3094	3097	3102	rVV2	273336	526069	8.75%	0.860%
78	20.943	3103	3107	3113	rVB	316669	450941	7.50%	0.737%
79	21.043	3118	3124	3127	rBV	77871	193467	3.22%	0.316%
80	21.149	3133	3142	3147	rBV3	1998030	3806273	63.33%	6.223%
81	21.202	3147	3151	3160	rVB	1594279	2142088	35.64%	3.502%
82	21.313	3166	3170	3177	rBV	282318	339872	5.66%	0.556%
83	21.425	3187	3189	3192	rVB	110040	109205	1.82%	0.179%
84	21.472	3192	3197	3201	rVV2	190249	294304	4.90%	0.481%
85	21.642	3223	3226	3230	rBV2	68724	92089	1.53%	0.151%
86	21.701	3232	3236	3239	rVV	300723	403758	6.72%	0.660%
87	21.748	3241	3244	3250	rVB	158642	222769	3.71%	0.364%
88	21.895	3265	3269	3272	rBV2	139482	192722	3.21%	0.315%
89	21.989	3280	3285	3289	rBV2	113693	194133	3.23%	0.317%
90	22.177	3313	3317	3321	rBV3	93165	169237	2.82%	0.277%
91	22.453	3359	3364	3374	rVB3	106202	227436	3.78%	0.372%
92	22.706	3400	3407	3411	rBV	1050148	2356689	39.21%	3.853%
93	22.864	3430	3434	3440	rVB	214856	338847	5.64%	0.554%
94	22.994	3452	3456	3459	rBV6	82917	152132	2.53%	0.249%
95	23.170	3481	3486	3495	rVB	608353	1099089	18.29%	1.797%
96	23.264	3496	3502	3510	rVV	1009629	1761281	29.31%	2.880%
97	23.358	3513	3518	3522	rVV2	409923	748344	12.45%	1.224%
98	23.405	3522	3526	3536	rVB2	275161	568126	9.45%	0.929%
99	25.585	3889	3897	3908	rBV	274932	785552	13.07%	1.284%
100	26.266	4007	4013	4025	rVB	139408	419912	6.99%	0.687%

Sum of corrected areas: 61163107

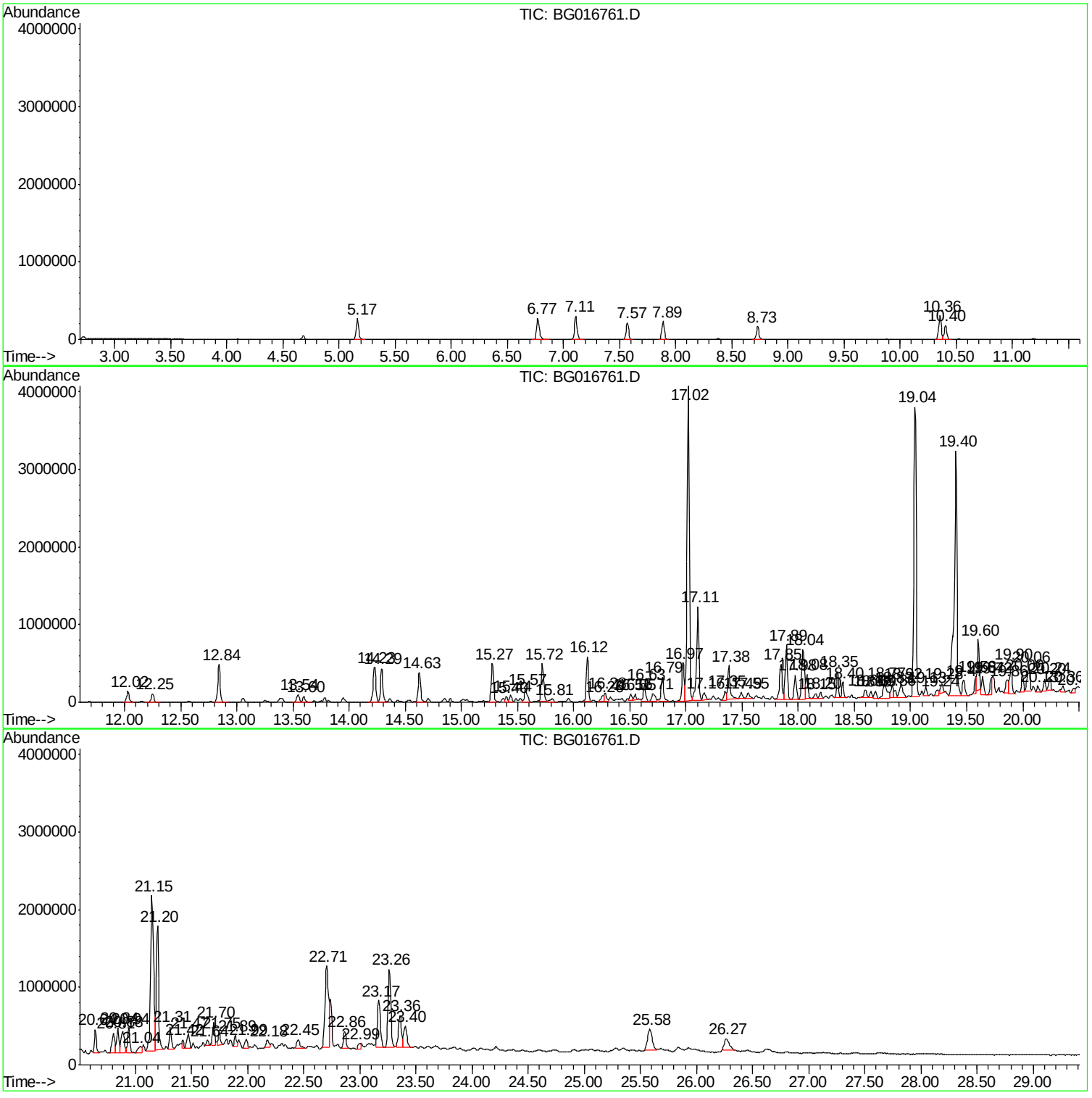
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

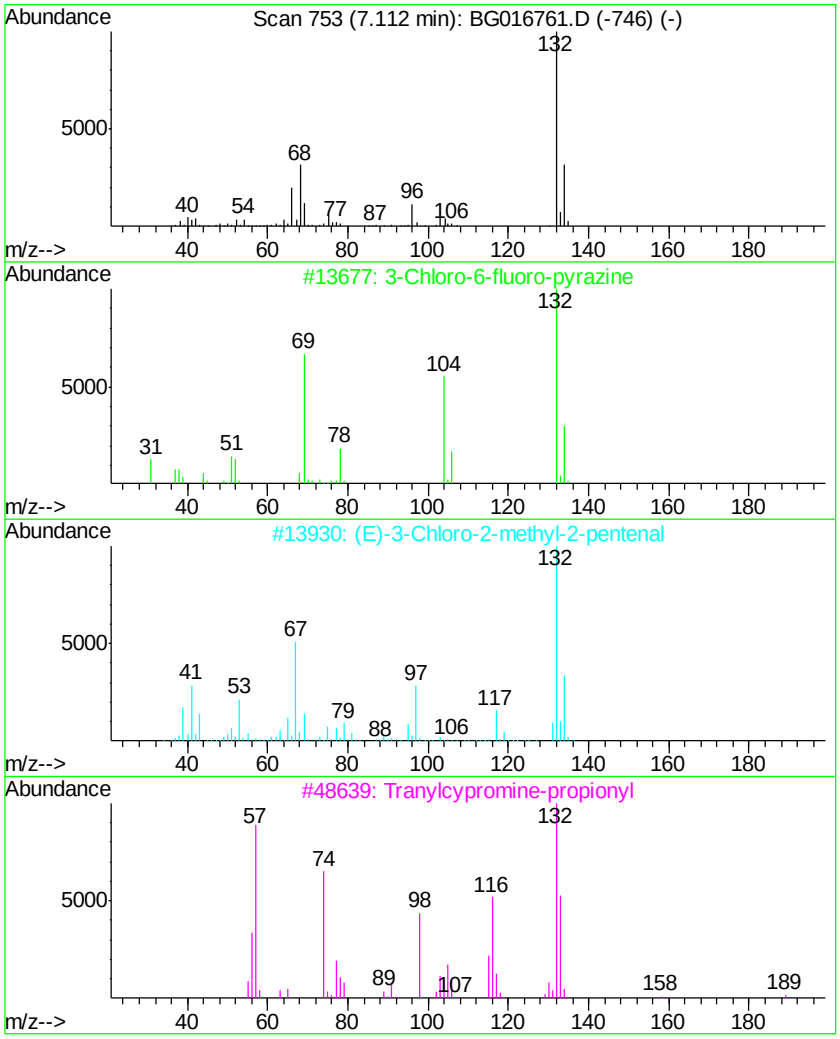
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

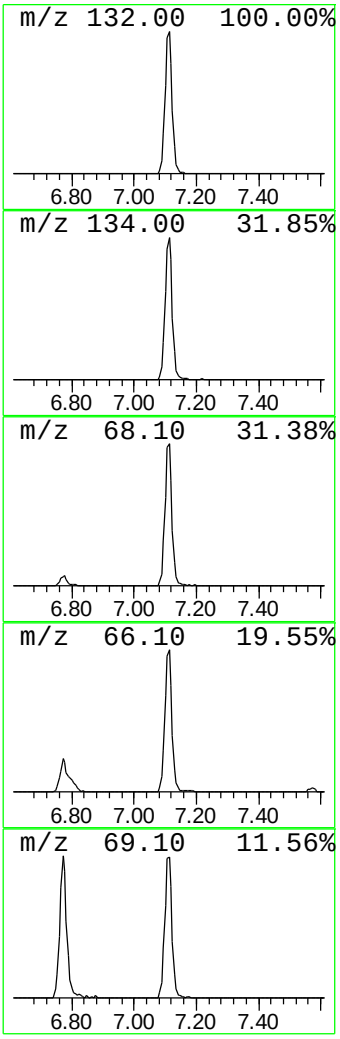
****

Peak Number 1 unknown7.11 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	29.31 ng	477061	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

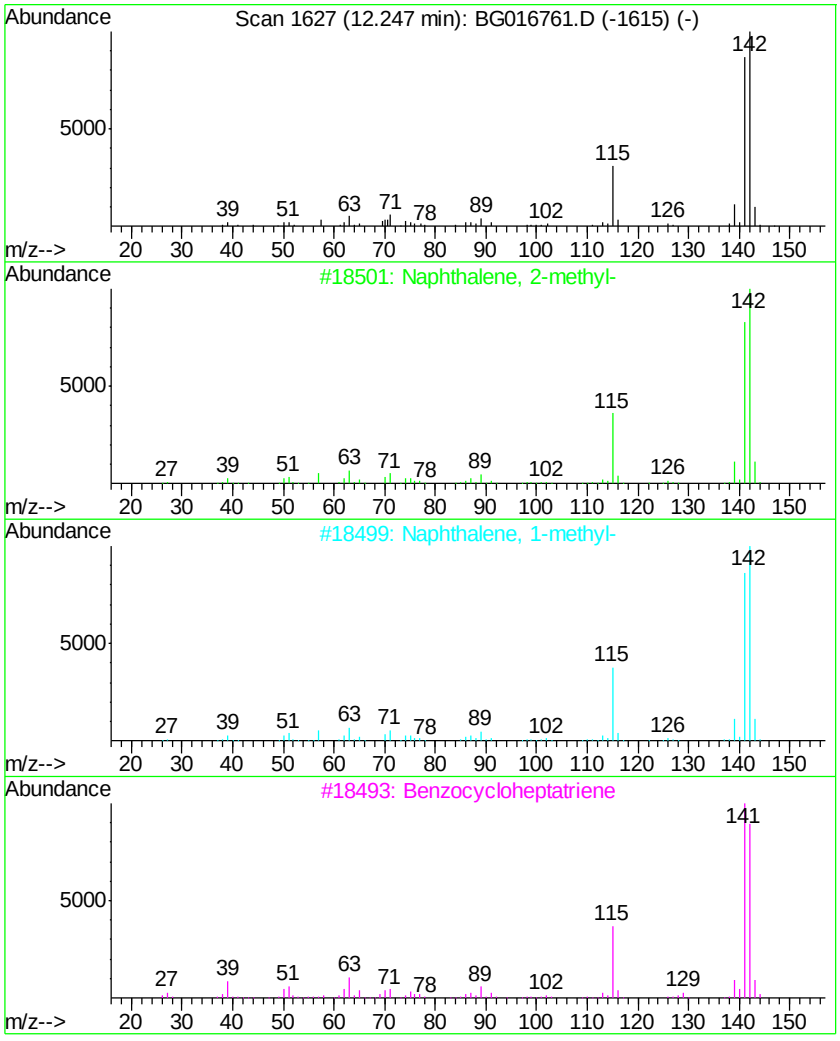
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

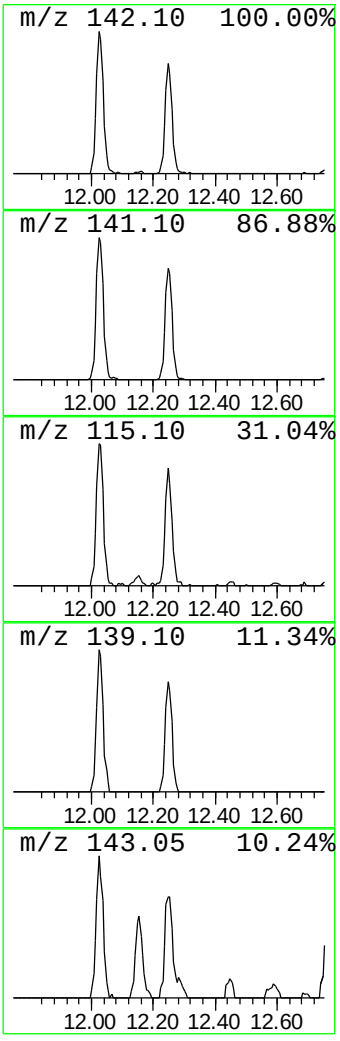
****

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	7.09 ng	175908	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

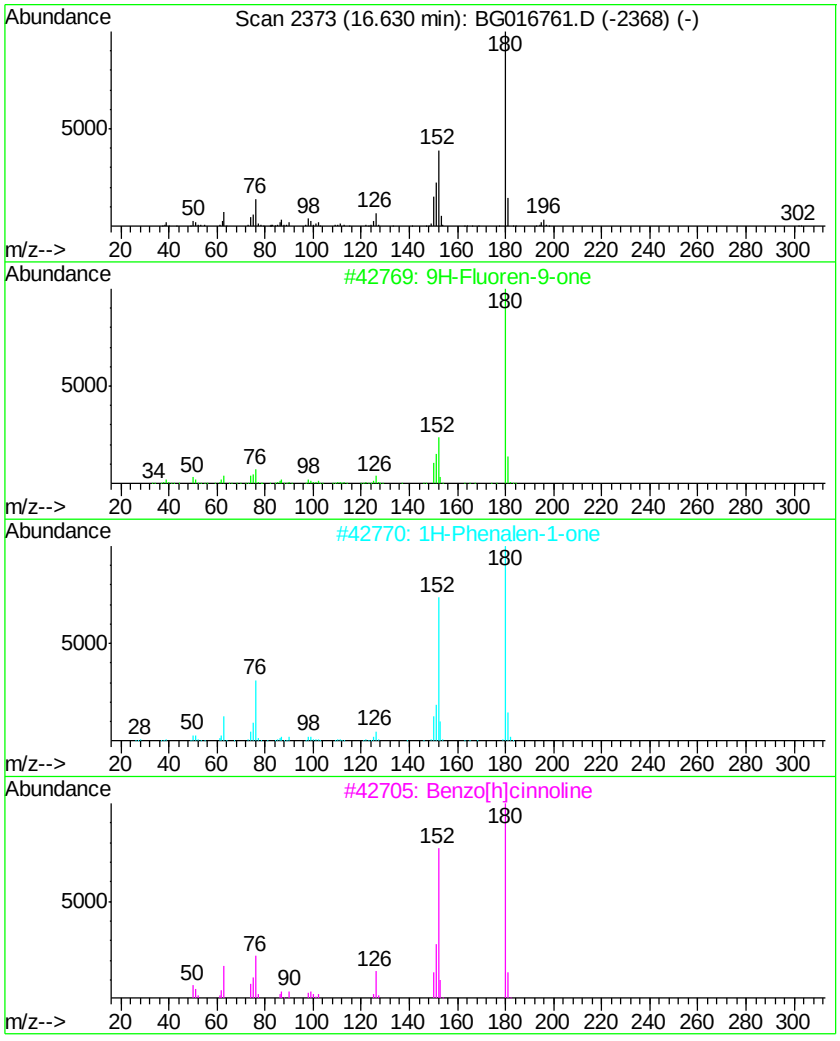
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

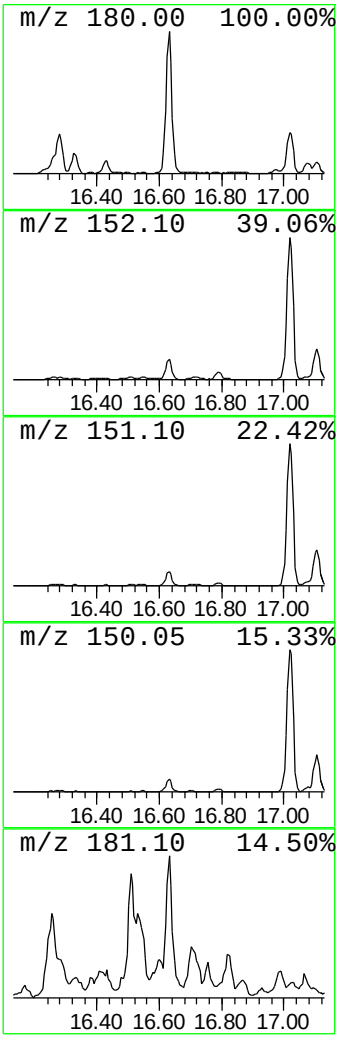
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	8.27 ng	322439	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	43
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	40





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

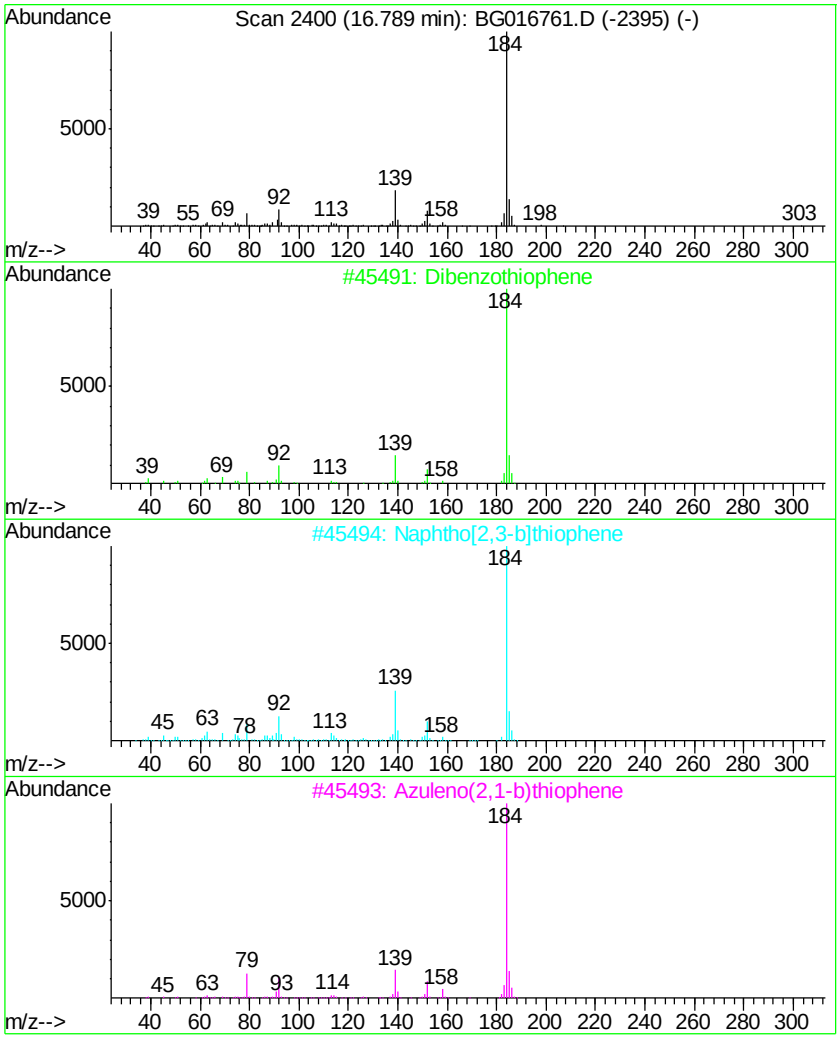
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

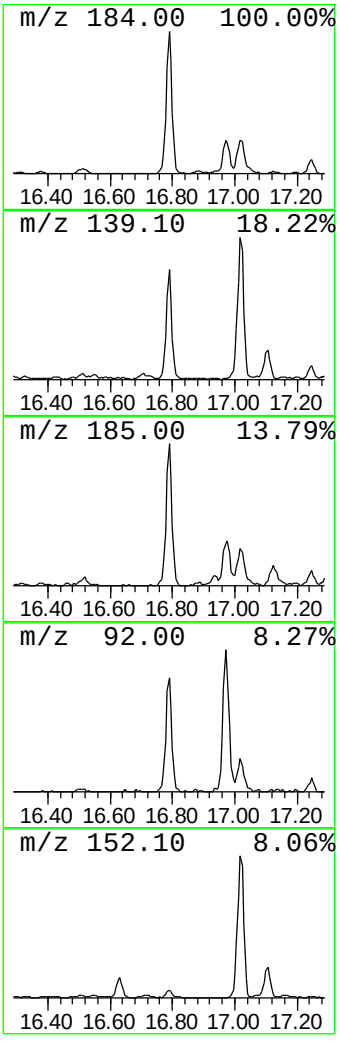
****

Peak Number 7 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	11.64 ng	453933	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5	6-Cyano-5-methoxyquinoline	184	C11H8N2O	1000241-27-7	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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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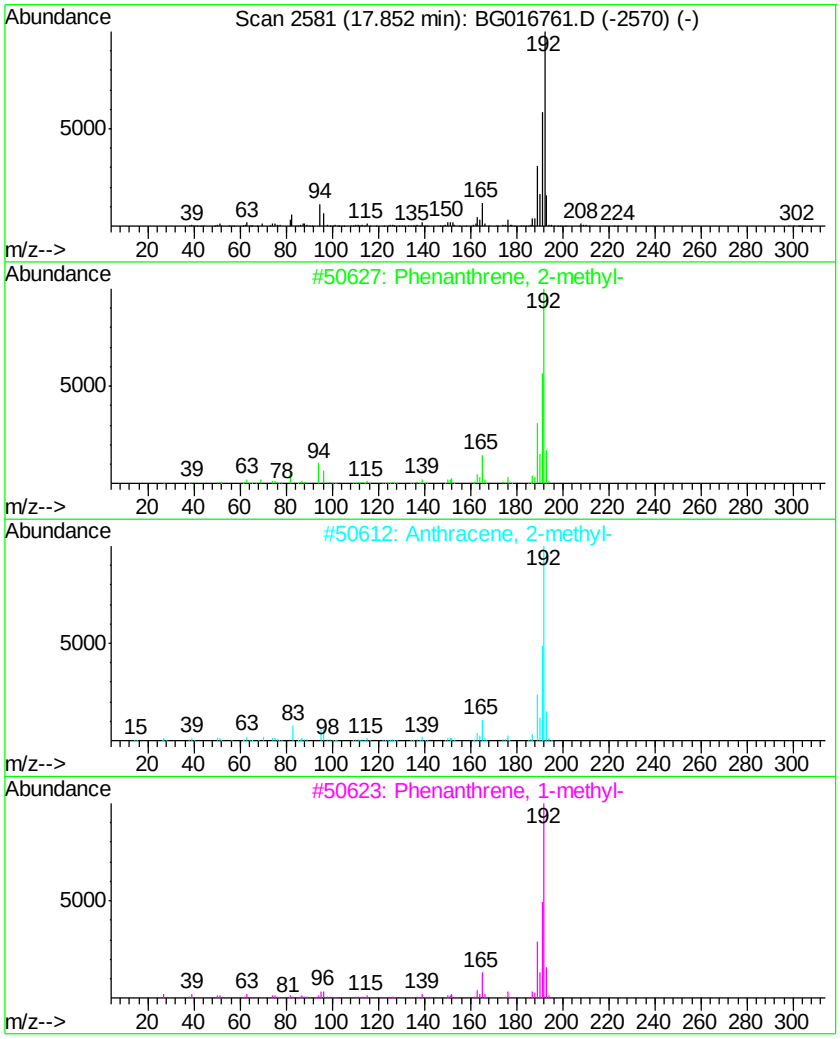
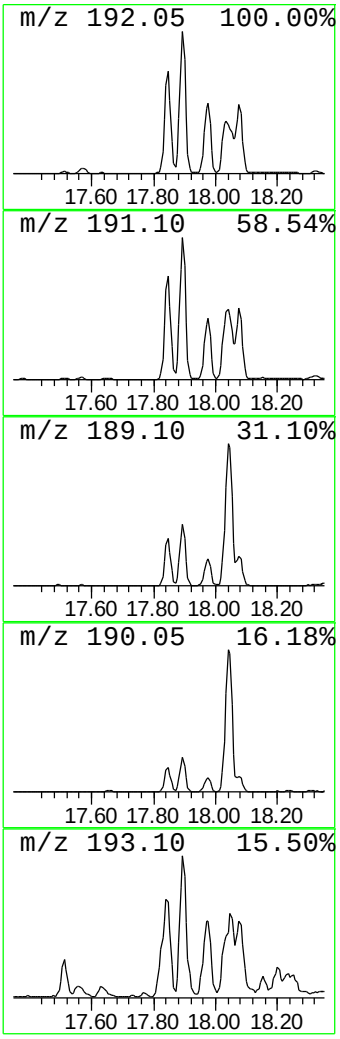
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	18.76 ng	731521	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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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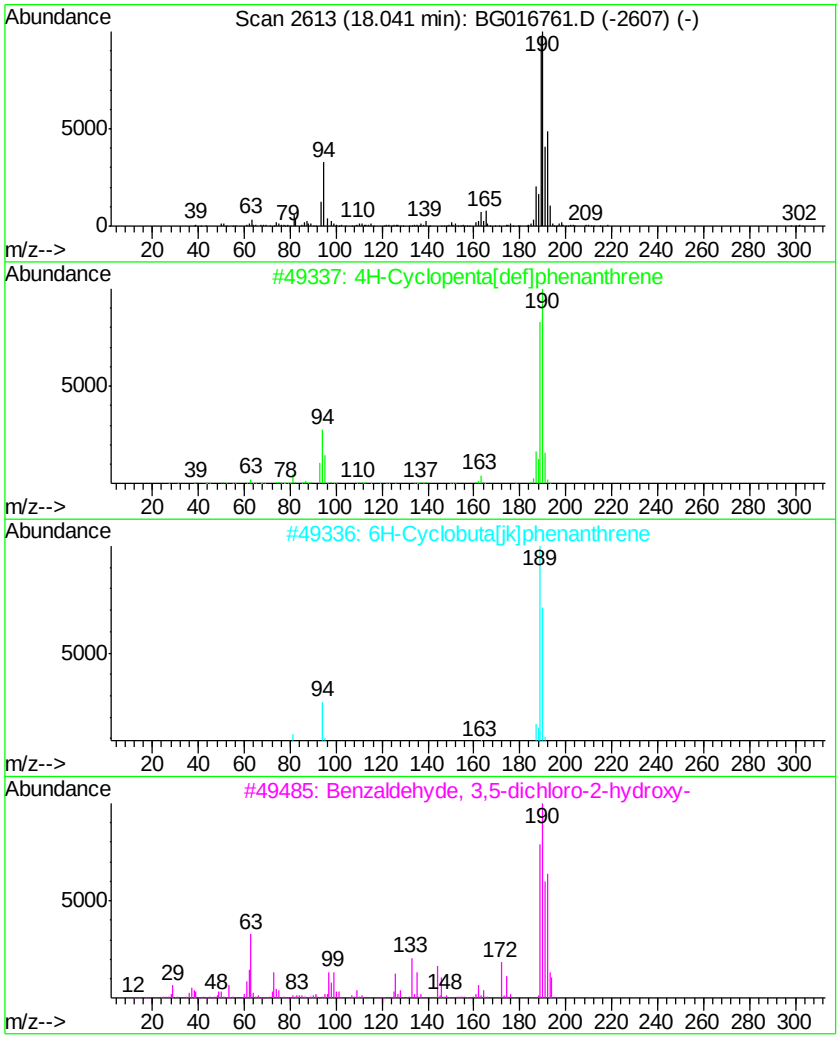
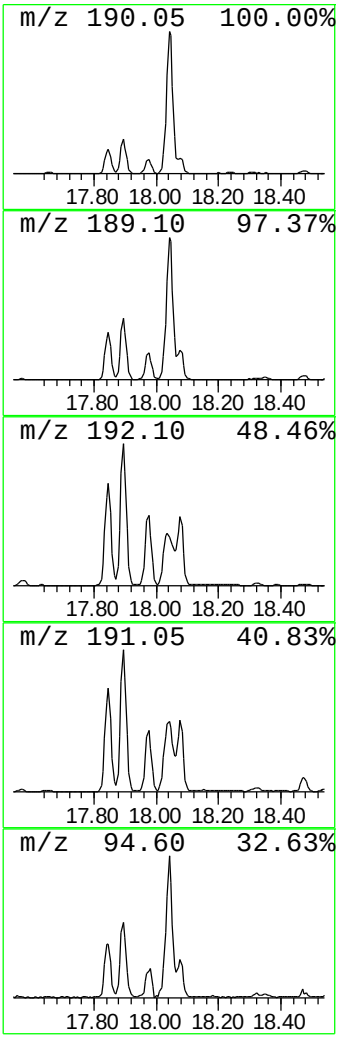
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	29.16 ng	1136960	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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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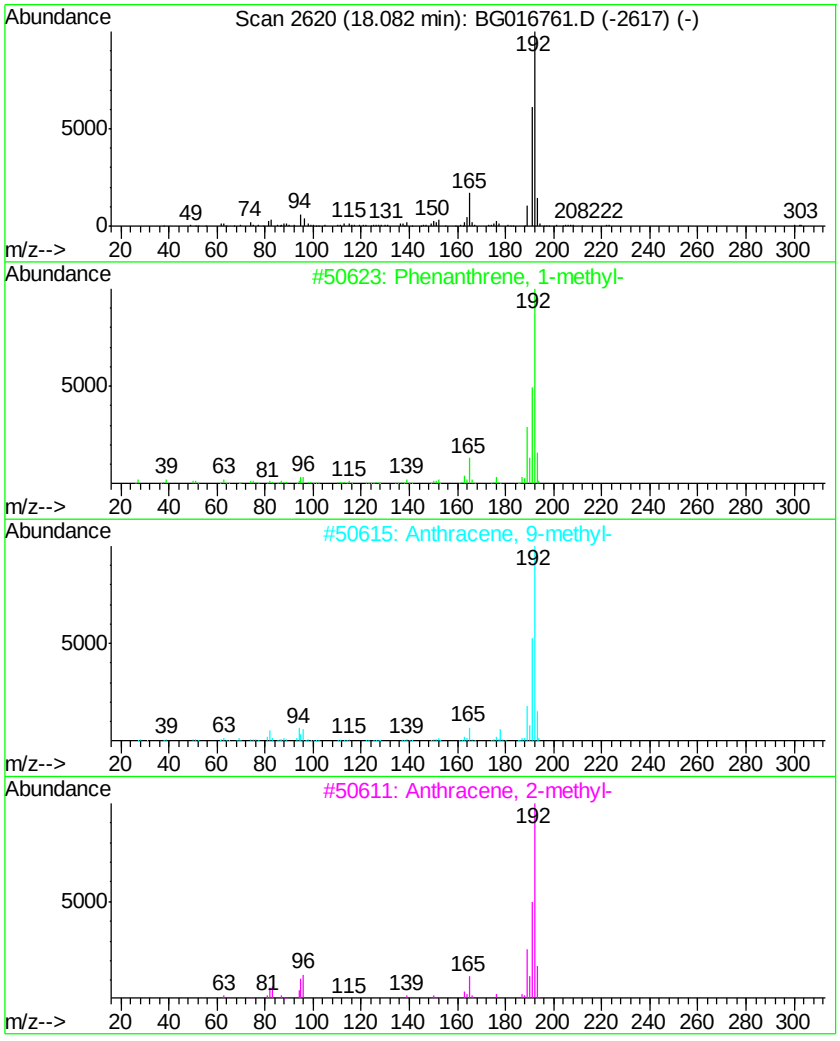
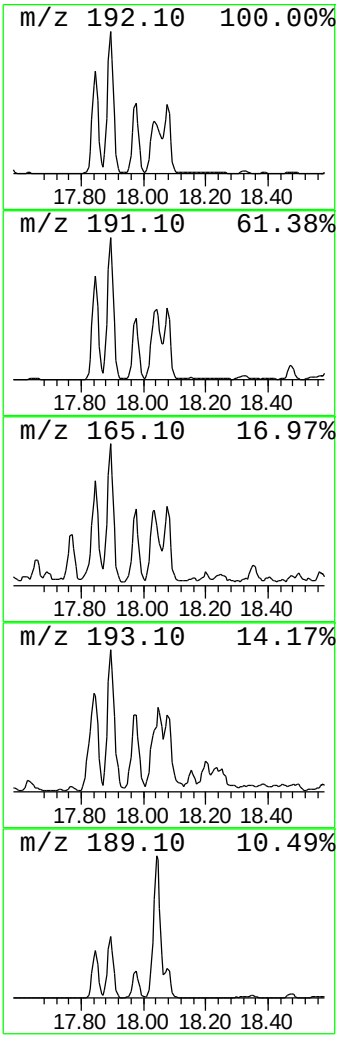
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	9.63 ng	375623	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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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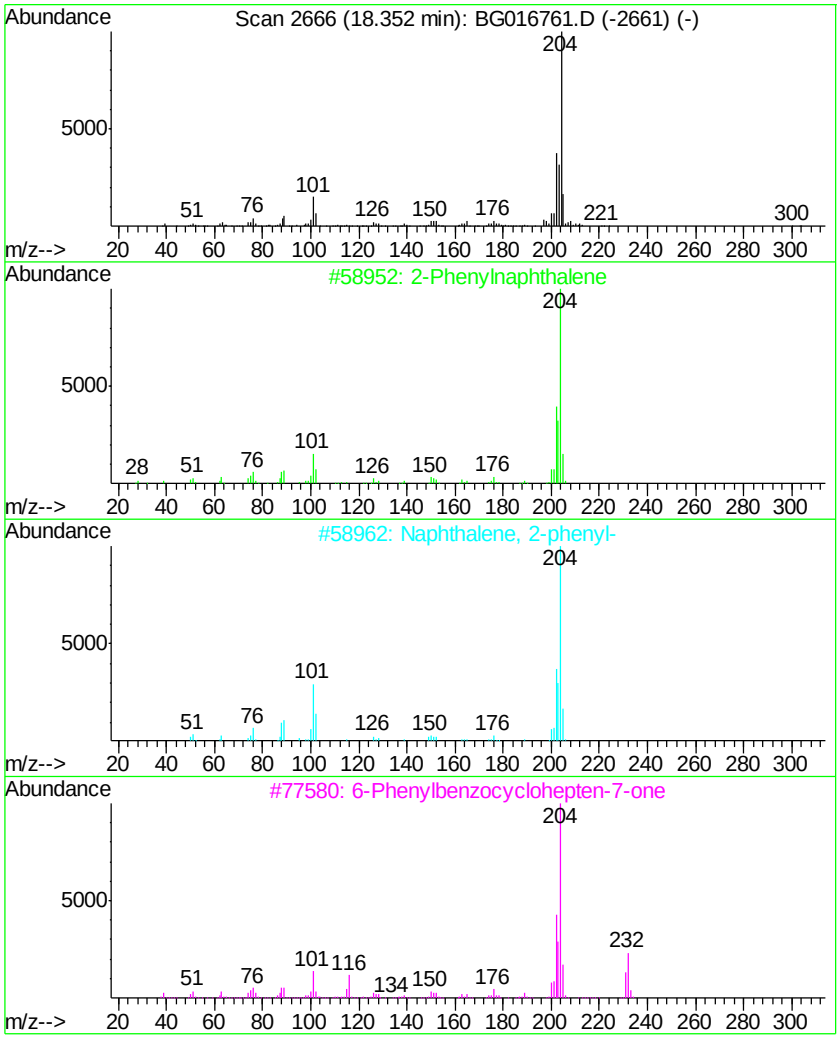
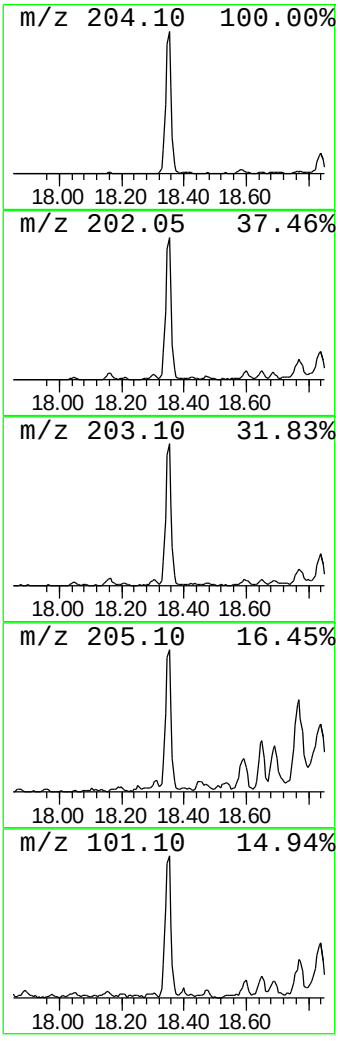
Peak Number 13 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	10.89 ng	424508	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86





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Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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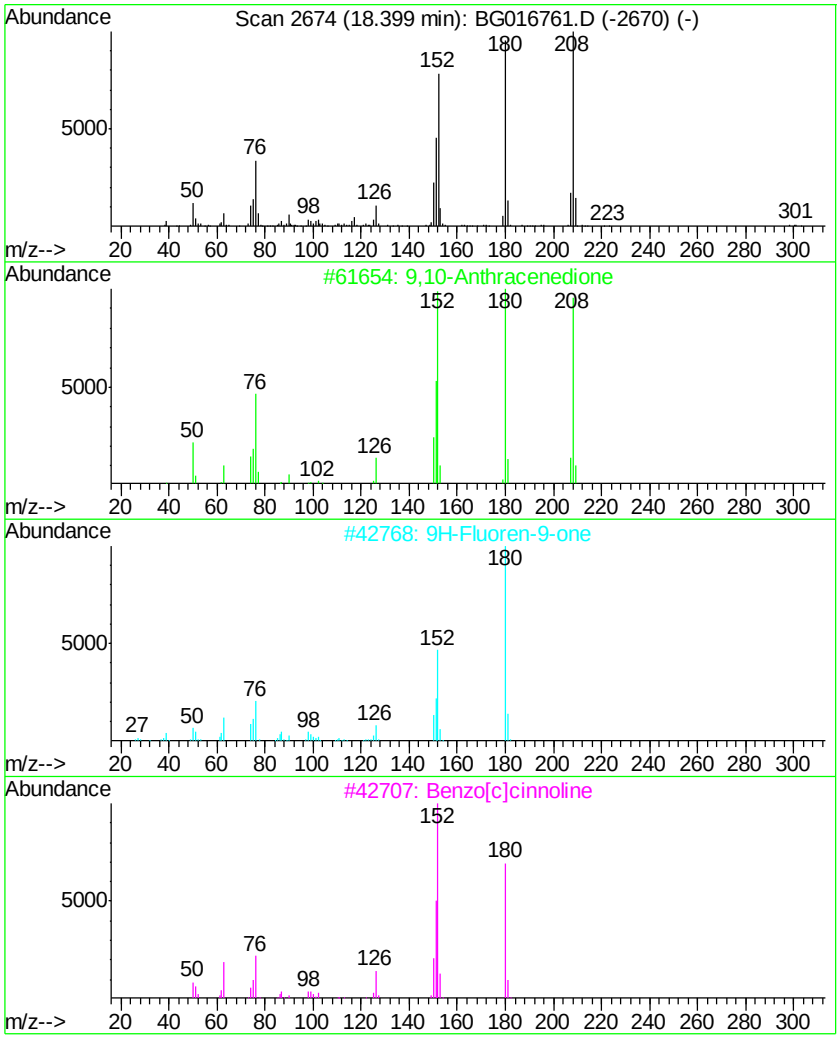
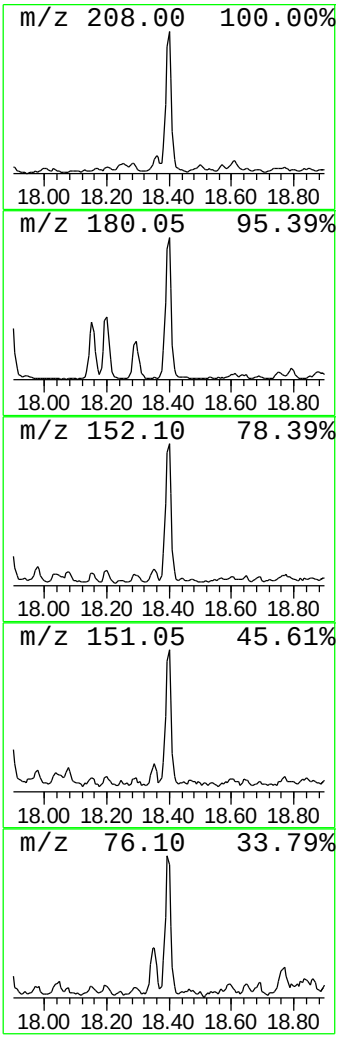
Peak Number 14 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	6.50 ng	253307	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Data File : BG016761.D
Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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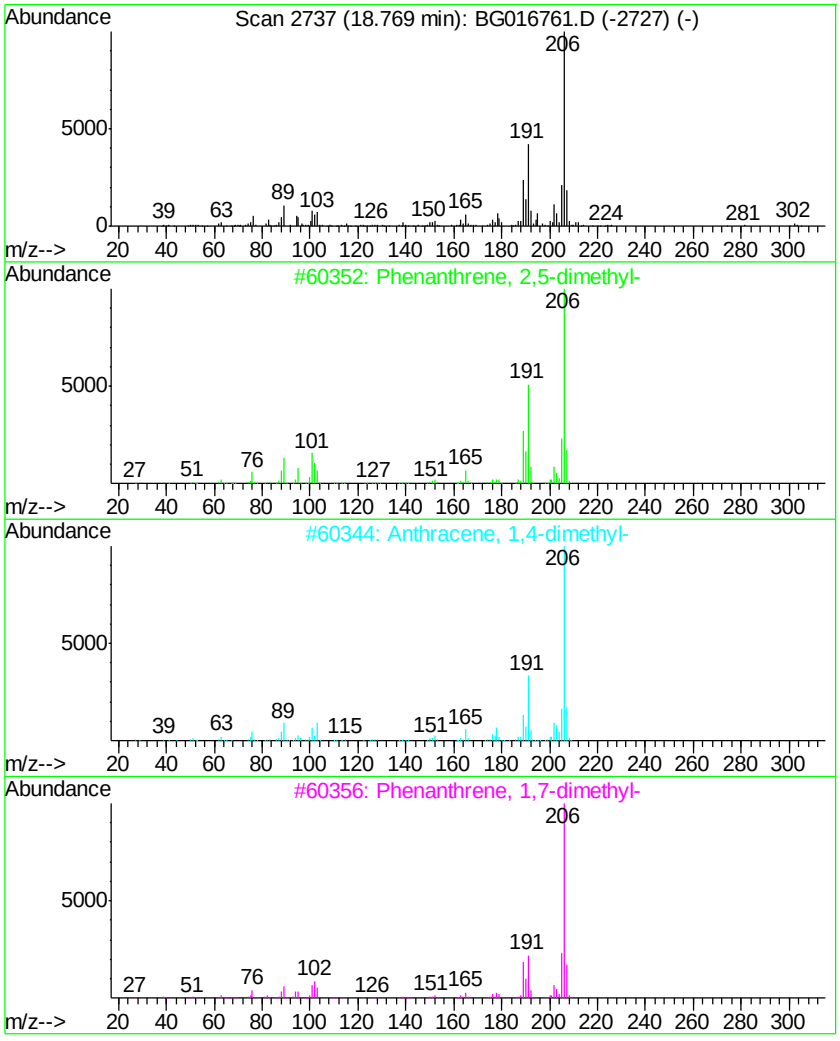
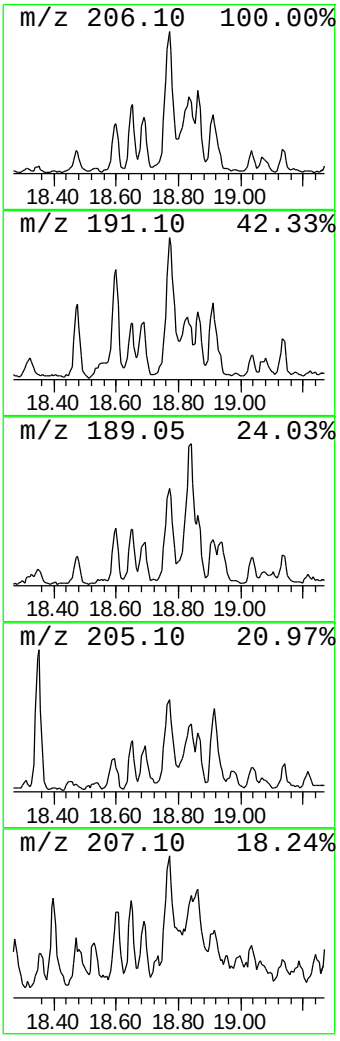
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	12.63 ng	492438	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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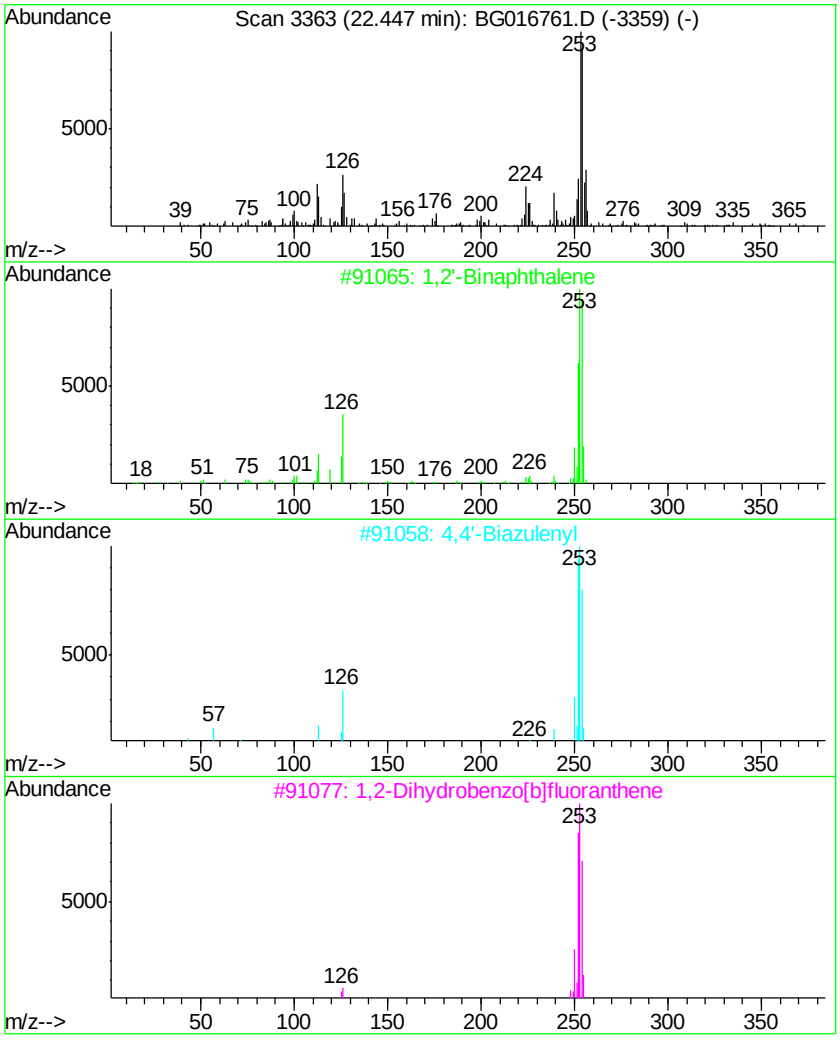
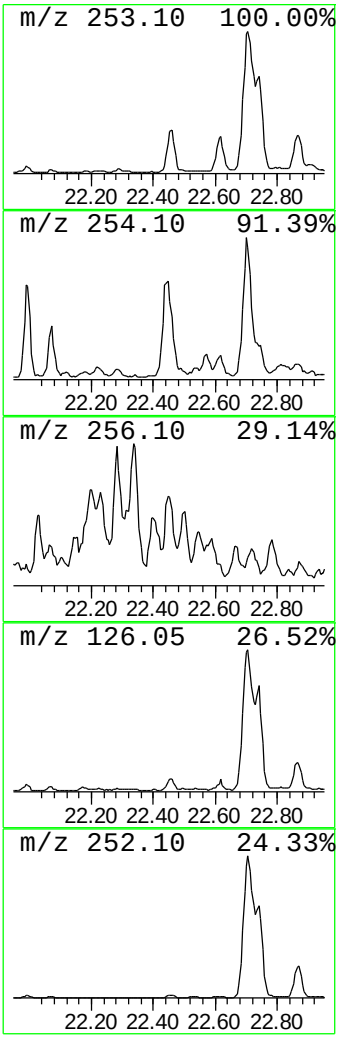
Peak Number 18 unknown22.45 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.45	6.08 ng	227436	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	46
2	4,4'-Biazulenyl	254	C20H14	094053-54-0	46
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	45
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	43
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	43





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Acq On : 28 Apr 2015 9:47
Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
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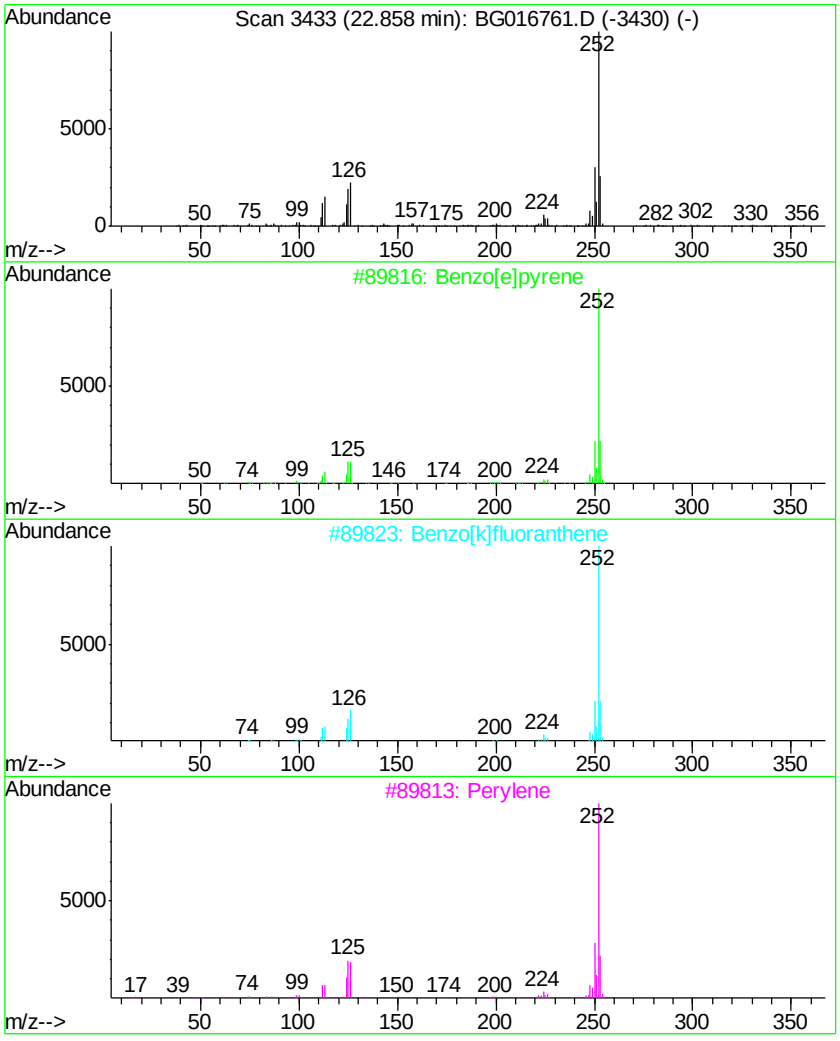
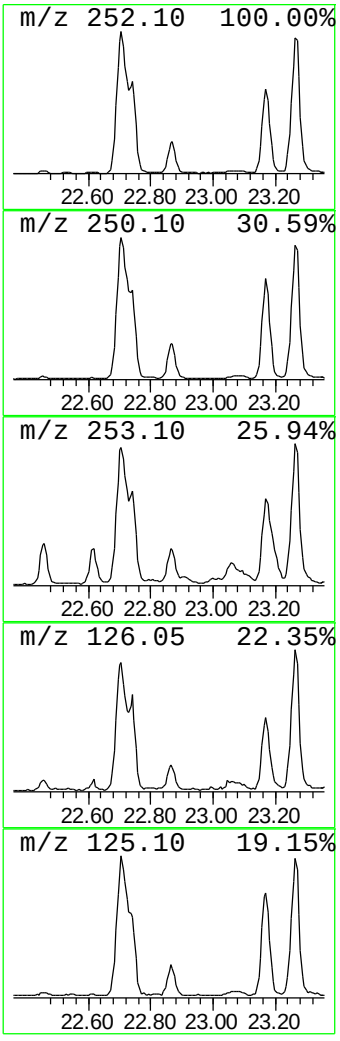
Peak Number 19 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.86	9.06 ng	338847	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042715\
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Operator : TP/IZ
Sample : G1991-10 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73S

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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
unknown7.11	7.11	29.3	ng	477061	1	7.57	325546	20.0
Naphthalene, 2-me...	12.25	7.1	ng	175908	2	10.36	496147	20.0
9H-Fluoren-9-one	16.63	8.3	ng	322439	4	16.97	779718	20.0
Dibenzothiophene	16.79	11.6	ng	453933	4	16.97	779718	20.0
Phenanthrene, 2-m...	17.85	18.8	ng	731521	4	16.97	779718	20.0
4H-Cyclopenta[def...	18.04	29.2	ng	1136960	4	16.97	779718	20.0
Phenanthrene, 1-m...	18.08	9.6	ng	375623	4	16.97	779718	20.0
2-Phenylnaphthalene	18.35	10.9	ng	424508	4	16.97	779718	20.0
9,10-Anthracenedione	18.40	6.5	ng	253307	4	16.97	779718	20.0
Phenanthrene, 2,5...	18.77	12.6	ng	492438	4	16.97	779718	20.0
unknown22.45	22.45	6.1	ng	227436	6	23.36	748344	20.0
Benzo[e]pyrene	22.86	9.1	ng	338847	6	23.36	748344	20.0