LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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	2.710	3	4	10	rVB	43502	44533	2.66%	0.223%
2	4.673	333	338	347	rVB	43714	61493	3.68%	0.308%
3	5.160	414	421	432	rBV	329945	492114	29.42%	2.468%
4	6.770	688	695	709	rBV	330517	563409	33.68%	2.825%
5	7.105	745	752	761	rBV	382179	591667	35.37%	2.967%
6	7.563	823	830	837	rBV	235643	358719	21.45%	1.799%
7	7.881	878	884	891	rBV	270849	427381	25.55%	2.143%
8	8.727	1021	1028	1038	rBV	193665	326200	19.50%	1.636%
9	10.348	1297	1304	1311	rBV	311364	541460	32.37%	2.715%
10	12.840	1721	1728	1743	rBV	470895	698630	41.77%	3.503%
11	13.686	1868	1872	1879	rBV	14731	22347	1.34%	0.112%
12	13.950	1910	1917	1930	rBV	56561	116982	6.99%	0.587%
13	14.220	1954	1963	1971	rBV2	463149	713106	42.63%	3.576%
14	15.272	2137	2142	2155	rVB4	10144	22381	1.34%	0.112%
15	15.583	2186	2195	2203	rBV3	14297	31602	1.89%	0.158%
16	15.719	2212	2218	2225	rBV	325614	465105	27.81%	2.332%
17	15.954	2252	2258	2262	rBV7	8246	17461	1.04%	0.088%
18	16.629	2368	2373	2379	rVB2	27569	42136	2.52%	0.211%
19	16.788	2397	2400	2404	rVB	14931	19183	1.15%	0.096%
20	16.970	2425	2431	2435	rBV	552672	782515	46.78%	3.924%
21	17.011	2435	2438	2444	rVB	376283	473072	28.28%	2.372%
22	17.105	2449	2454	2459	rVV	44013	68255	4.08%	0.342%
23	17.164	2459	2464	2470	rVB5	12530	23186	1.39%	0.116%
24	17.381	2493	2501	2508	rBV2	24739	50966	3.05%	0.256%
25	17.487	2515	2519	2526	rVB2	13033	21076	1.26%	0.106%
26	17.552	2526	2530	2538	rVB7	12550	21862	1.31%	0.110%
27	17.845	2575	2580	2583	rBV	56588	83991	5.02%	0.421%
28	17.892	2583	2588	2593	rVB	94602	155557	9.30%	0.780%
29	17.975	2598	2602	2605	rVB2	17542	24288	1.45%	0.122%
30	18.034	2607	2612	2616	rVV2	68849	117219	7.01%	0.588%
31	18.075	2616	2619	2626	rVB	43598	62040	3.71%	0.311%
32	18.351	2662	2666	2670	rVV	55142	71310	4.26%	0.358%
33	18.398	2670	2674	2680	rVB	66404	95217	5.69%	0.477%
34	18.598	2705	2708	2713	rVV2	13236	17498	1.05%	0.088%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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	18.650	2713	2717	2721	rVV2	18760	25984	1.55%	0.130%
36	18.692	2721	2724	2727	rVB2	18698	21595	1.29%	0.108%
37	18.768	2732	2737	2742	rBV3	40641	76228	4.56%	0.382%
38	18.915	2757	2762	2770	rBV	83942	132233	7.91%	0.663%
39	19.038	2777	2783	2789	rBV	992867	1345593	80.44%	6.747%
40	19.138	2797	2800	2803	rVB	17358	19589	1.17%	0.098%
41	19.185	2803	2808	2813	rBV	52650	69851	4.18%	0.350%
42	19.279	2822	2824	2827	rVB	22959	22228	1.33%	0.111%
43	19.367	2835	2839	2840	rBV	117916	125301	7.49%	0.628%
44	19.397	2840	2844	2853	rVB	883183	1218057	72.82%	6.108%
45	19.473	2853	2857	2861	rBV3	41411	58750	3.51%	0.295%
46	19.608	2872	2880	2884	rBV	601204	842023	50.34%	4.222%
47	19.643	2884	2886	2892	rVB	49237	65020	3.89%	0.326%
48	19.737	2895	2902	2907	rVV4	67681	161466	9.65%	0.810%
49	19.861	2919	2923	2926	rBV6	53965	98202	5.87%	0.492%
50	19.996	2943	2946	2949	rBV2	30386	37319	2.23%	0.187%
51	20.055	2952	2956	2961	rVB4	93238	144991	8.67%	0.727%
52	20.196	2976	2980	2983	rBV	47968	58464	3.50%	0.293%
53	20.243	2984	2988	2992	rVB2	47165	61979	3.71%	0.311%
54	20.642	3053	3056	3062	rBV	145561	182788	10.93%	0.917%
55	20.807	3080	3084	3088	rBV2	78468	115628	6.91%	0.580%
56	20.848	3088	3091	3093	rVV	81008	90033	5.38%	0.451%
57	20.877	3093	3096	3103	rVV3	133993	244024	14.59%	1.224%
58	20.942	3103	3107	3114	rVB	127781	175190	10.47%	0.878%
59	21.159	3138	3144	3148	rBV2	853235	1672699	100.00%	8.387%
60	21.200	3148	3151	3161	rVB	544123	696304	41.63%	3.491%
61	21.365	3177	3179	3184	rBV	58891	72094	4.31%	0.362%
62	22.704	3401	3407	3412	rBV	533966	1190093	71.15%	5.967%
63	22.869	3432	3435	3441	rVB2	106649	155905	9.32%	0.782%
64	23.175	3482	3487	3496	rVB	331898	590163	35.28%	2.959%
65	23.269	3497	3503	3511	rVB	425929	747861	44.71%	3.750%
66	23.363	3513	3519	3524	rBV2	430965	775885	46.39%	3.891%
67	25.589	3892	3898	3910	rVB2	224046	619995	37.07%	3.109%
68	26.277	4009	4015	4025	rVB	149149	405420	24.24%	2.033%

Sum of corrected areas: 19942916

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Operator : TP/IZ
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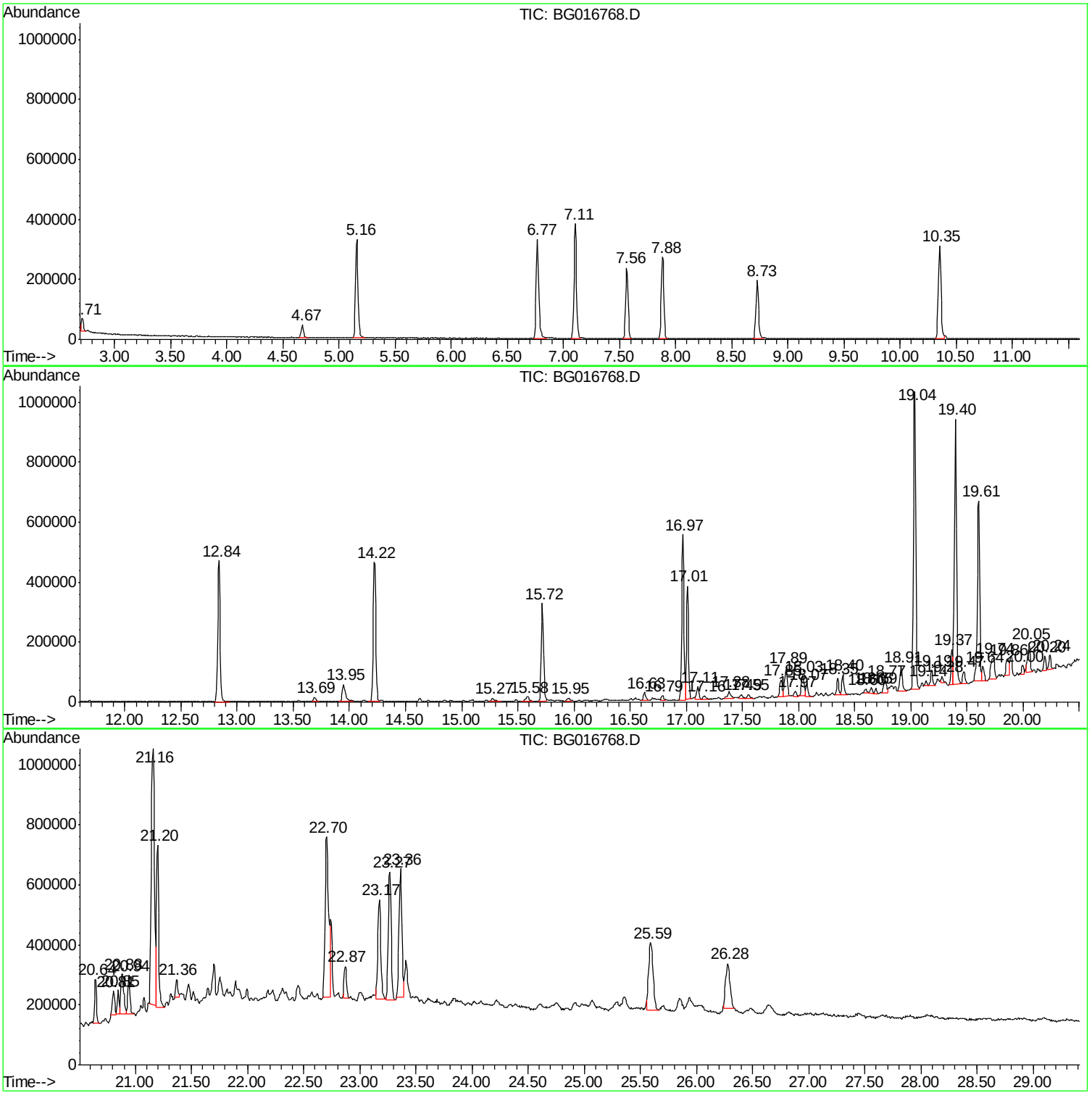
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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\BG042815\
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
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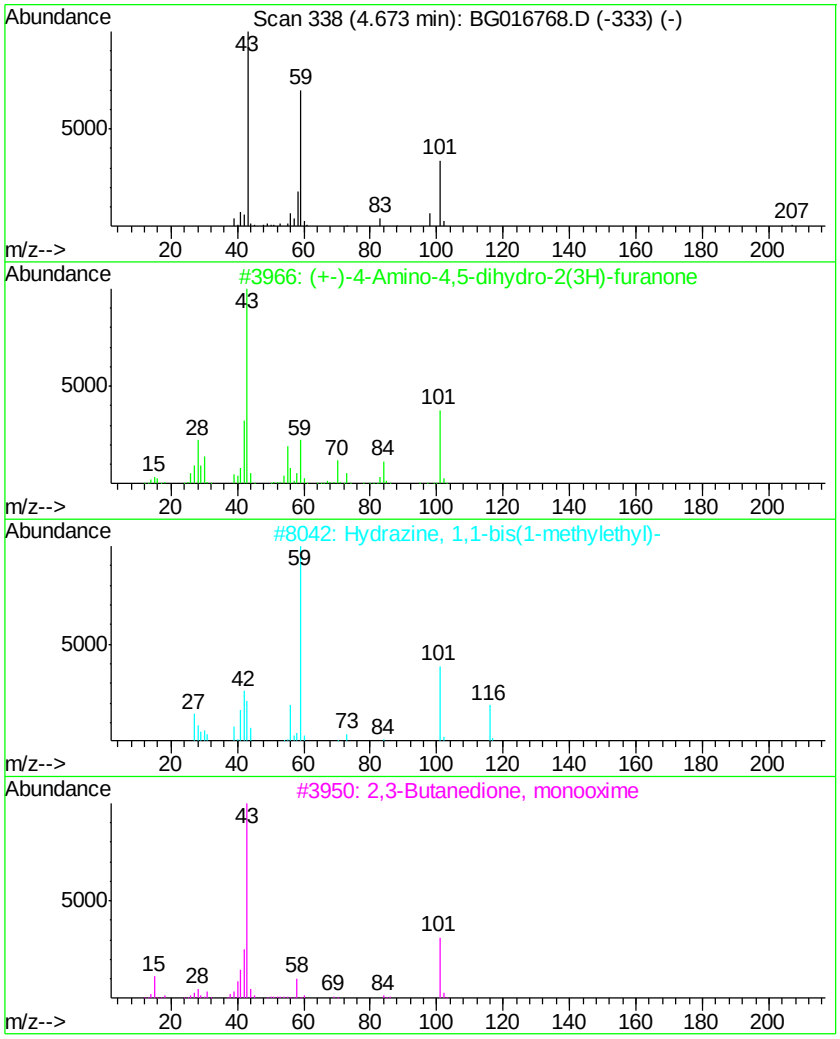
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

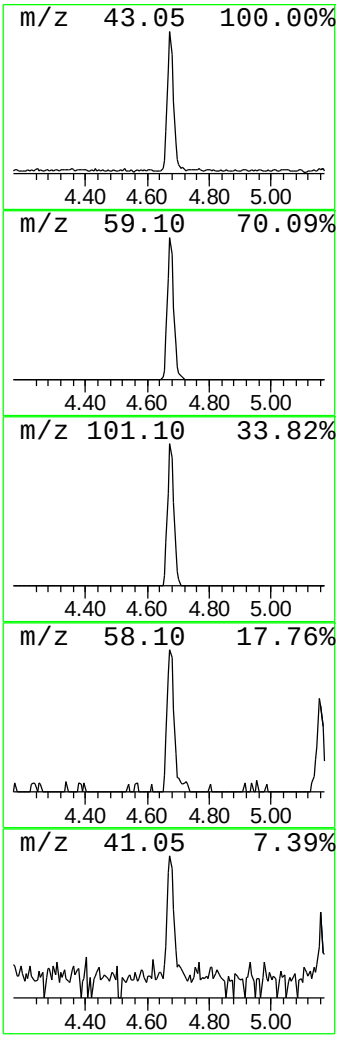
****

Peak Number 2 unknown4.67 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	3.43 ng	61493	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
2	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Acetic acid, 10,11-dihydroxy-3,7...	298	C17H30O4	1000194-28-5	25
5	4-Ethyl-3-octanol	158	C10H22O	019781-26-1	23





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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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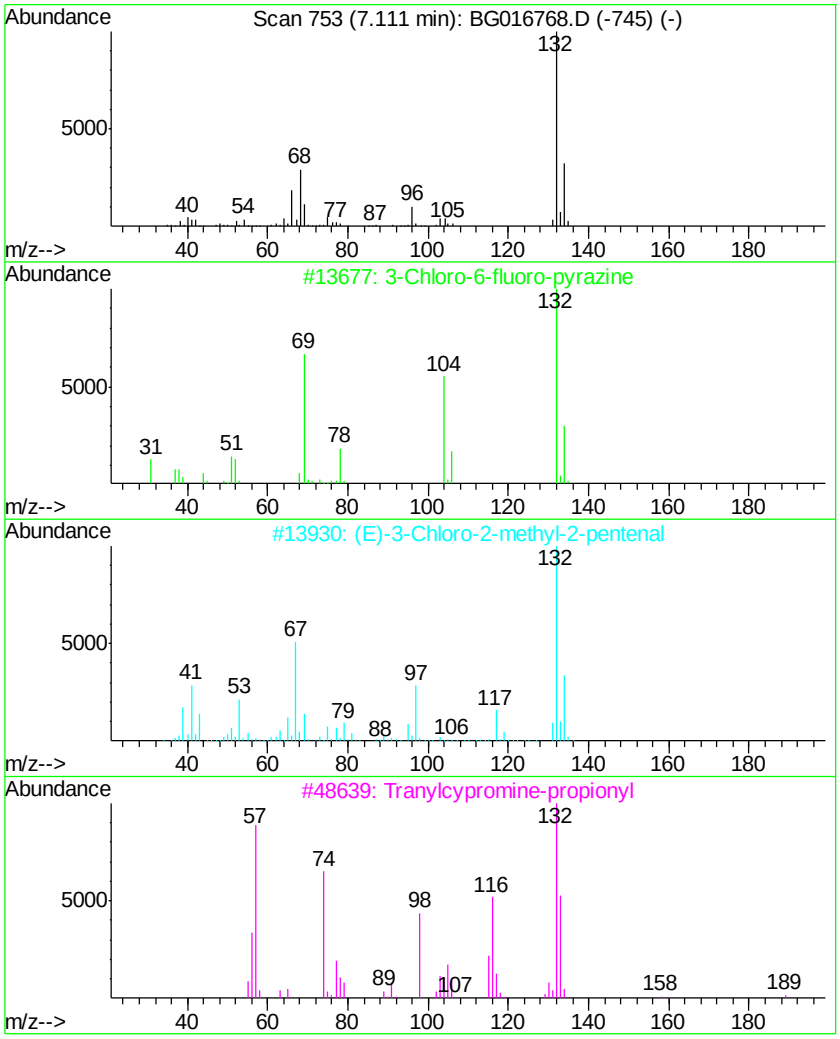
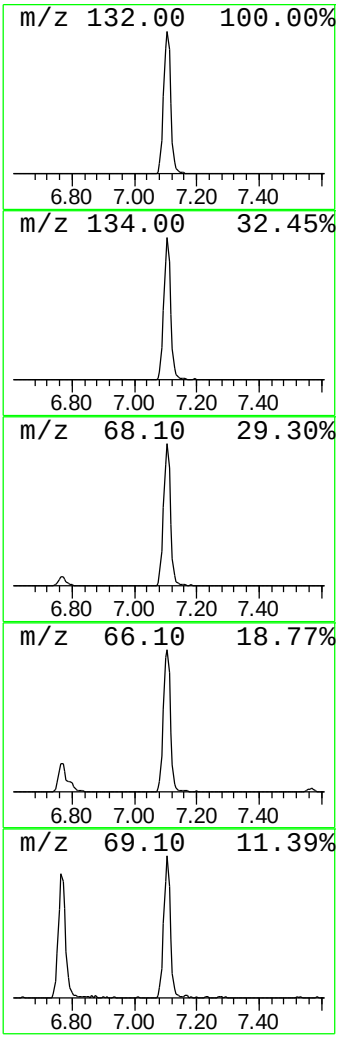
Peak Number 3 unknown7.11 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	32.99 ng	591667	1,4-Dichlorobenzene-d4	7.56

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	16
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\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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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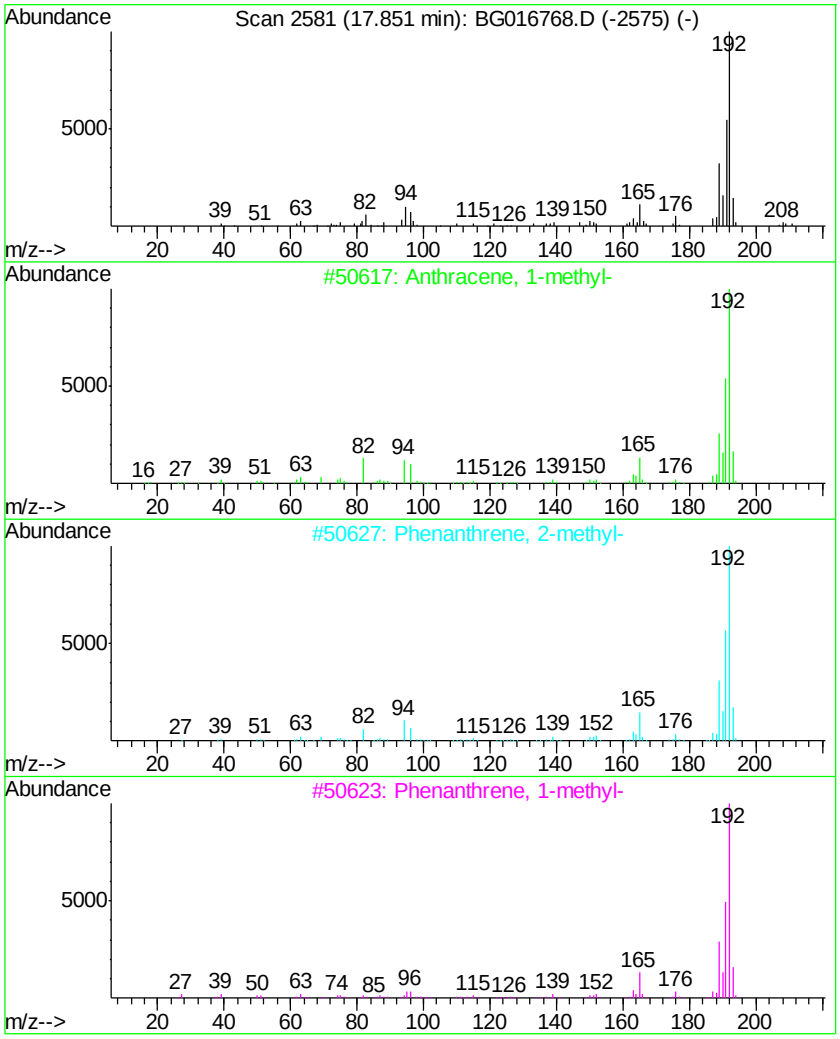
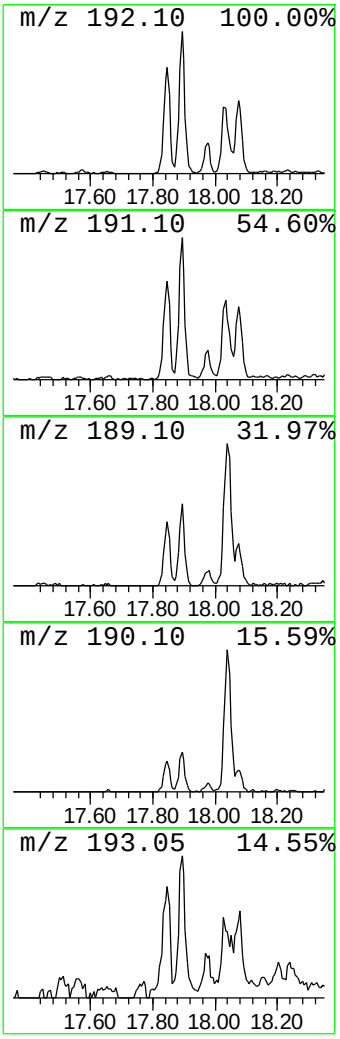
Peak Number 5 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	2.15 ng	83991	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
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Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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

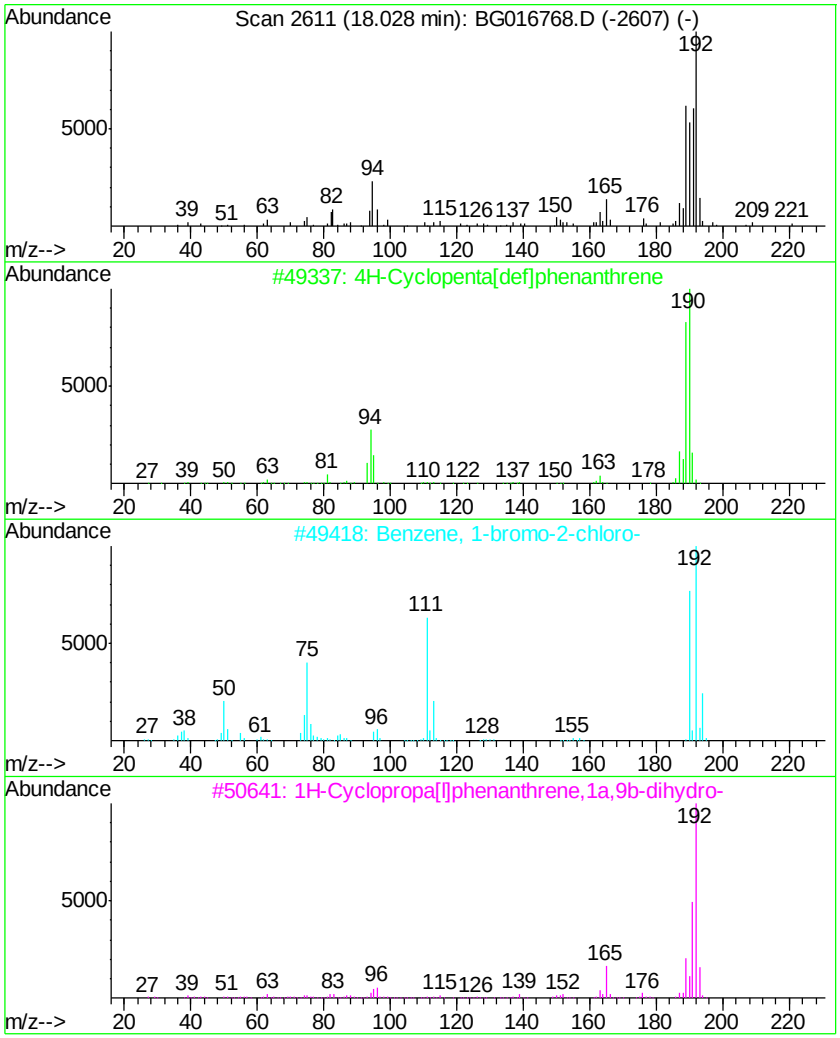
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

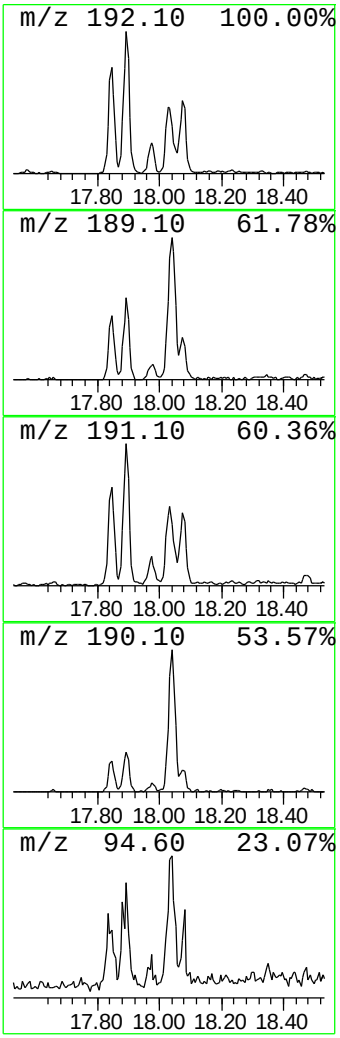
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	3.00 ng	117219	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	43
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	41
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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

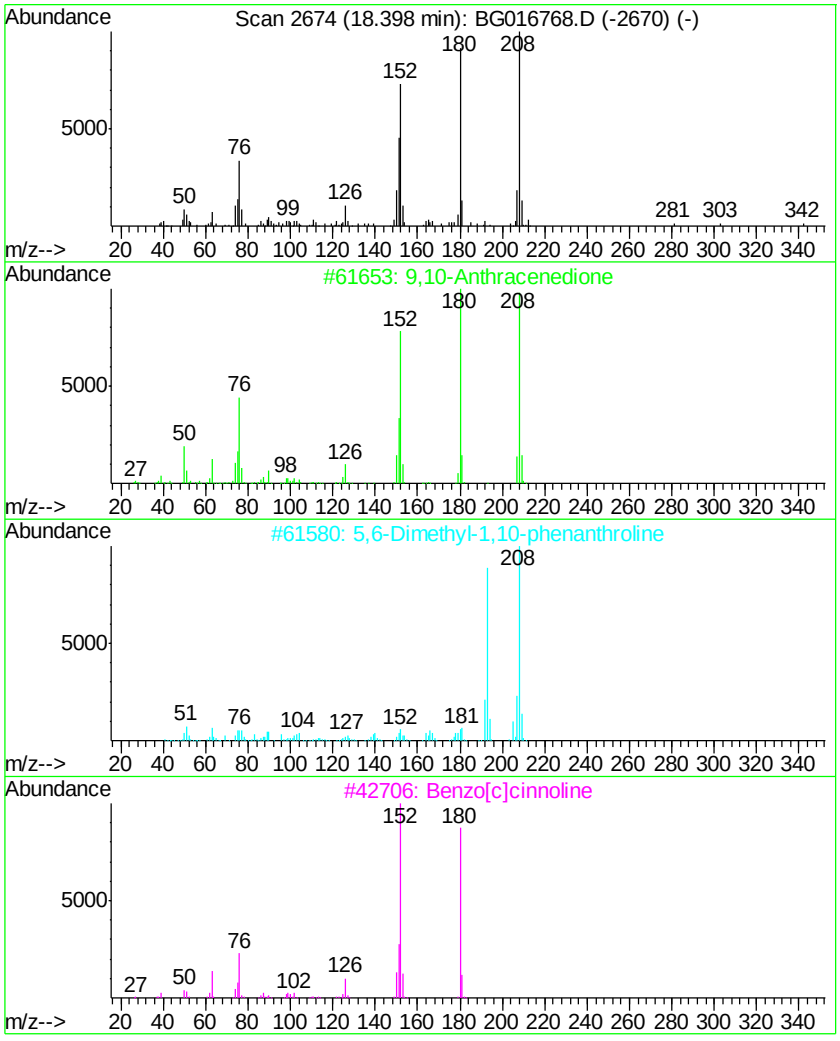
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

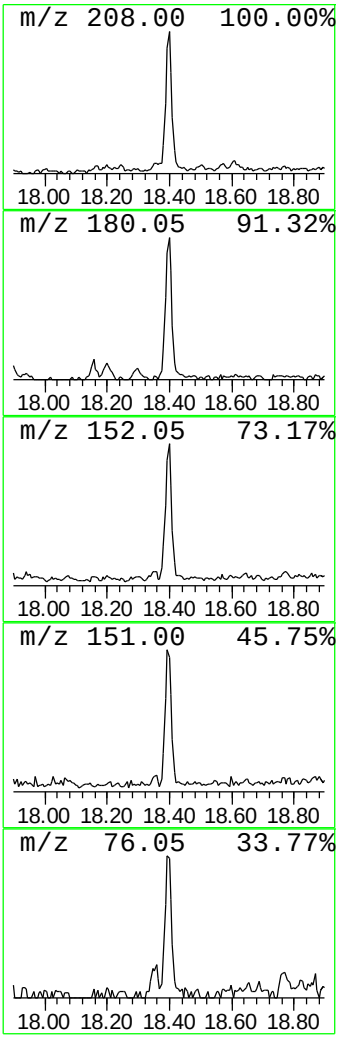
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.43 ng	95217	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
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Misc :
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Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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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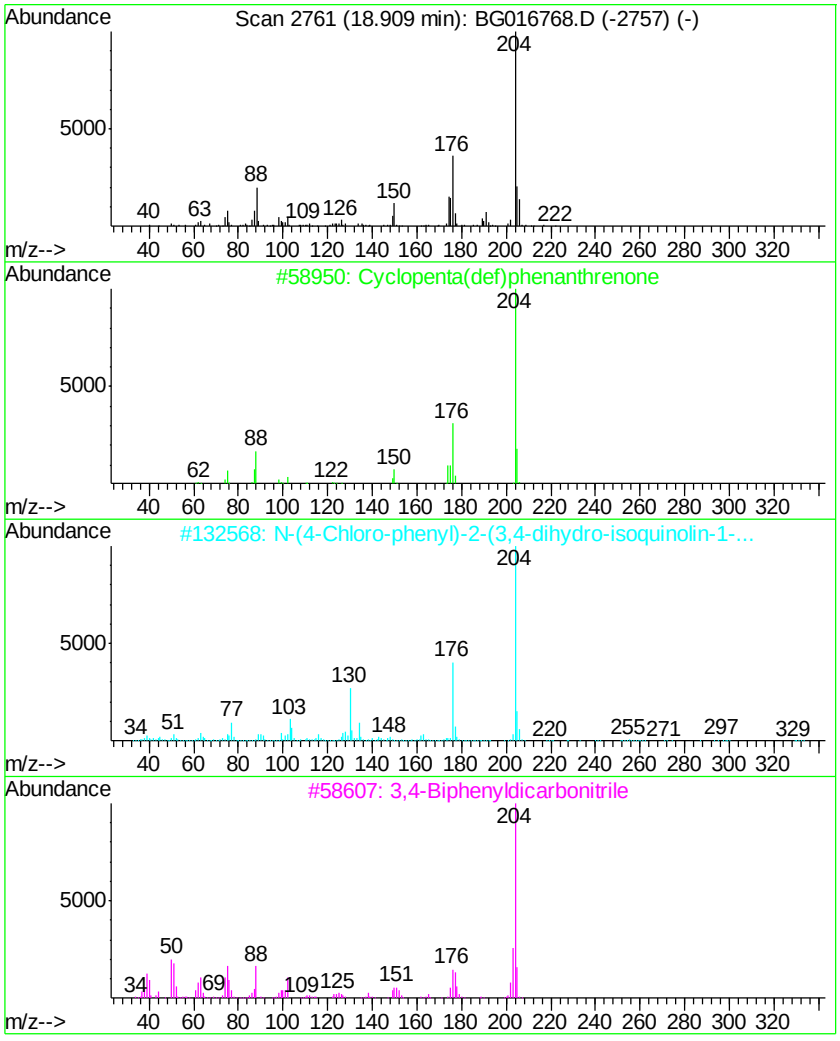
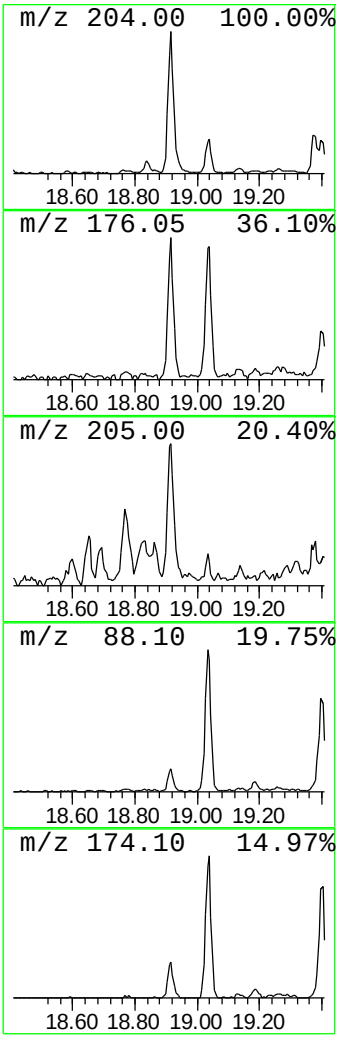
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	3.38 ng	132233	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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

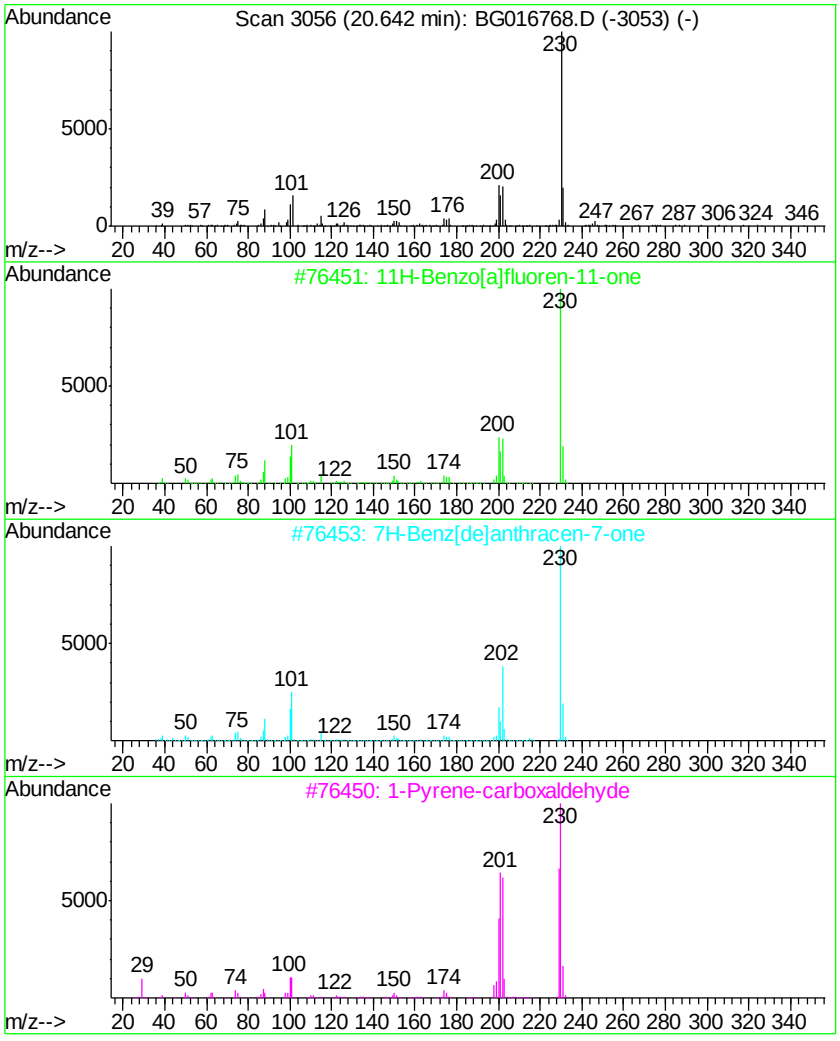
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

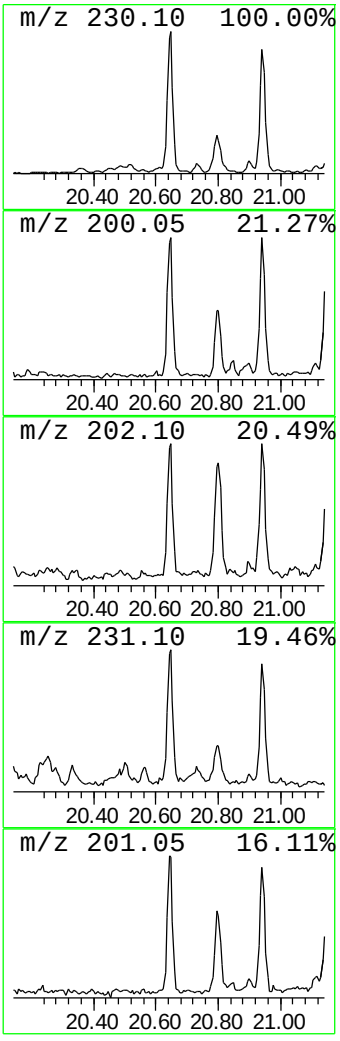
****

Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.19 ng	182788	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	62
4	o-Terphenyl	230	C18H14	000084-15-1	59
5	m-Terphenyl	230	C18H14	000092-06-8	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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

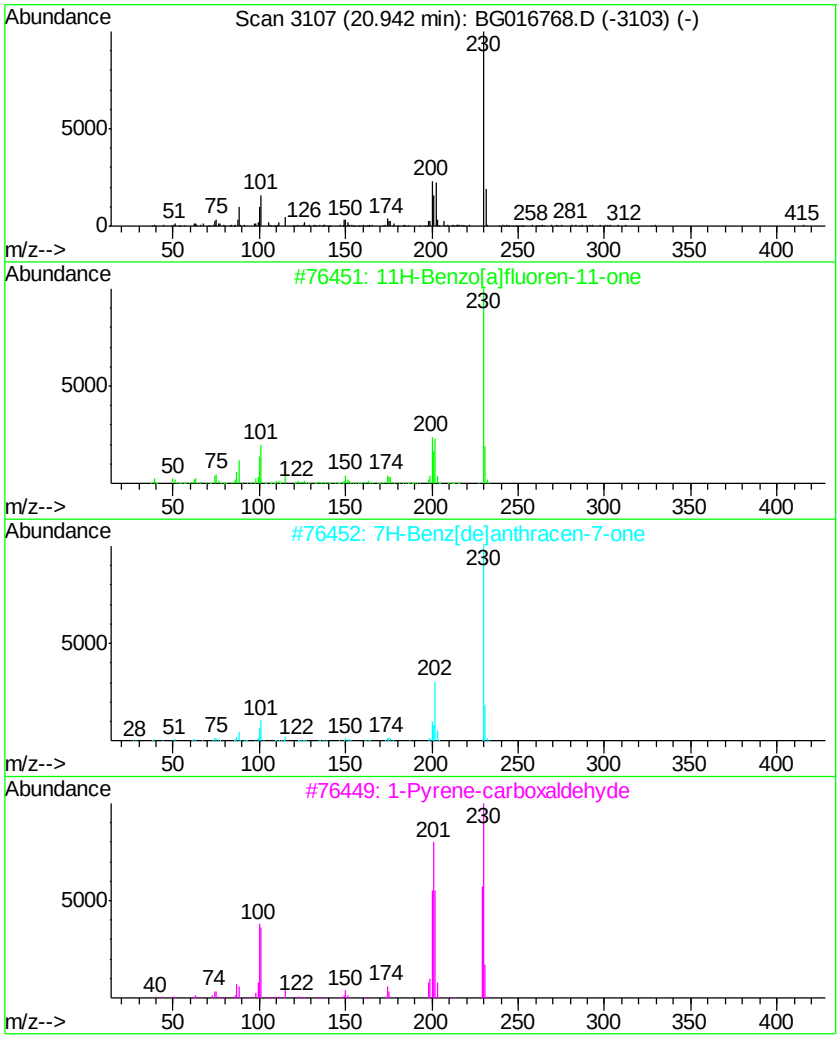
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

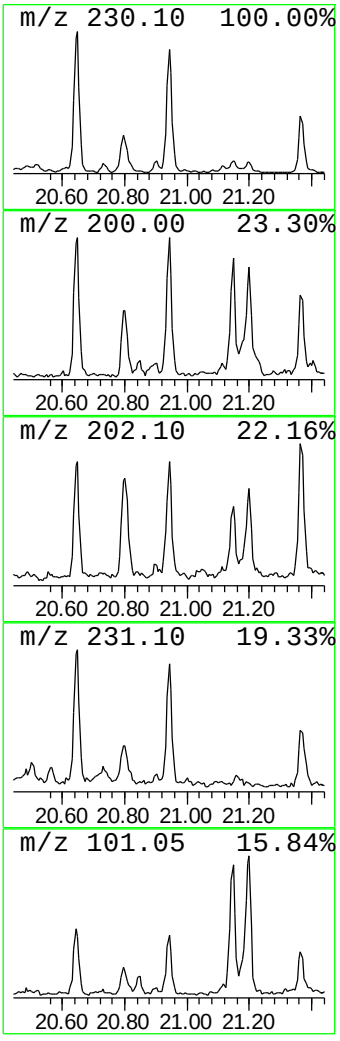
****

Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.09 ng	175190	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	47
4	p-Terphenyl	230	C18H14	000092-94-4	46
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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

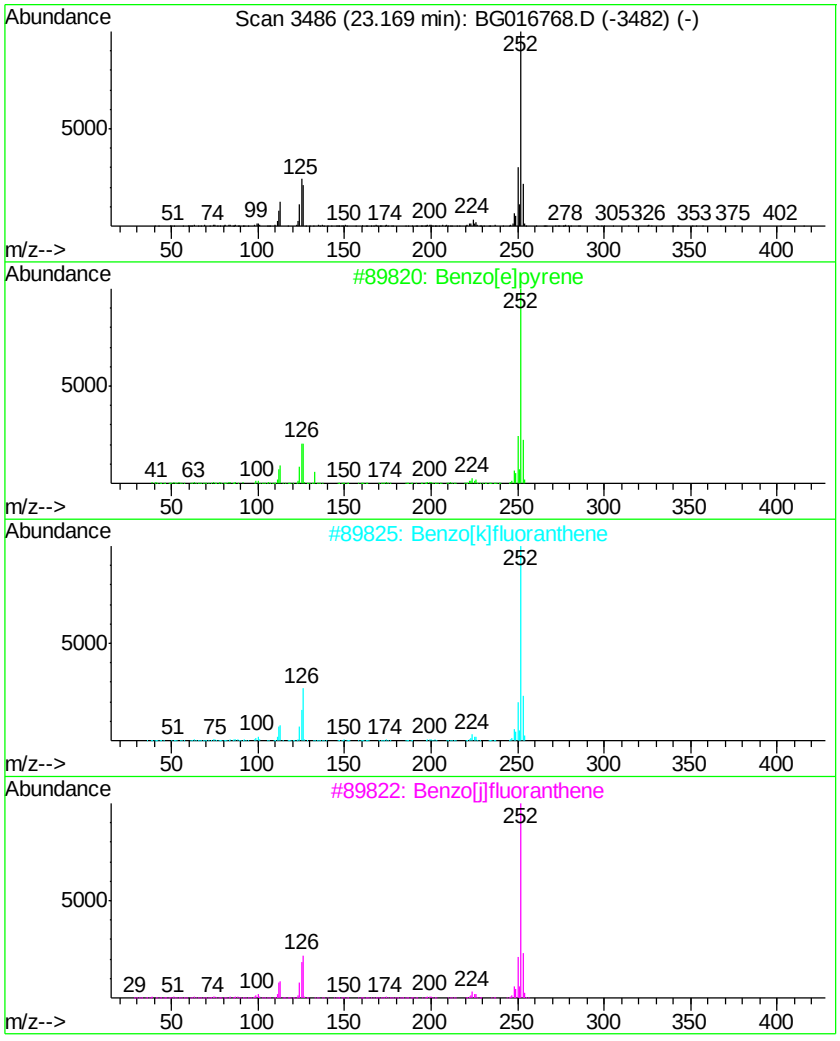
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

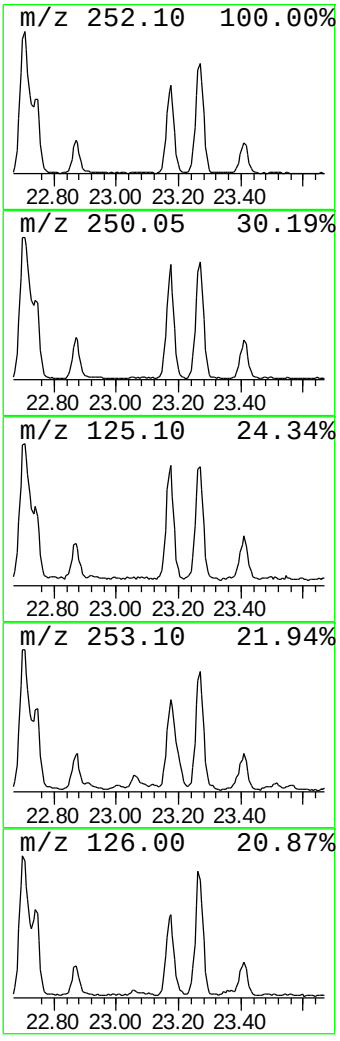
****

Peak Number 14 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	15.21 ng	590163	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042815\
Data File : BG016768.D
Acq On : 28 Apr 2015 17:15
Operator : TP/IZ
Sample : G2024-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-09-0-2.0

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
unknown4.67	4.67	3.4	ng	61493	1	7.56	358719	20.0
unknown7.11	7.11	33.0	ng	591667	1	7.56	358719	20.0
Anthracene, 1-met...	17.85	2.1	ng	83991	4	16.97	782515	20.0
4H-Cyclopenta[def...	18.03	3.0	ng	117219	4	16.97	782515	20.0
9,10-Anthracenedione	18.40	2.4	ng	95217	4	16.97	782515	20.0
Cyclopenta(def)ph...	18.91	3.4	ng	132233	4	16.97	782515	20.0
11H-Benzo[a]fluor...	20.64	2.2	ng	182788	5	21.17	1672700	20.0
7H-Benz[de]anthra...	20.94	2.1	ng	175190	5	21.17	1672700	20.0
Benzo[e]pyrene	23.17	15.2	ng	590163	6	23.36	775885	20.0