LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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	4.675	330	338	346	rBV2	25682	49129	1.03%	0.103%
2	5.157	414	420	433	rBV	185503	276792	5.79%	0.580%
3	6.767	688	694	711	rBV	186308	311725	6.52%	0.653%
4	7.102	745	751	762	rBV	200503	325060	6.80%	0.681%
5	7.566	823	830	837	rBV	249022	374256	7.83%	0.784%
6	7.883	877	884	891	rBV	170120	262412	5.49%	0.550%
7	8.729	1021	1028	1043	rBV	108540	189321	3.96%	0.397%
8	10.351	1297	1304	1310	rBV	344182	564039	11.79%	1.182%
9	12.836	1721	1727	1740	rBV	312624	460838	9.64%	0.965%
10	13.541	1841	1847	1852	rBV2	27496	49196	1.03%	0.103%
11	13.947	1911	1916	1927	rVB	49652	89212	1.87%	0.187%
12	14.223	1956	1963	1969	rBV2	484705	728619	15.24%	1.527%
13	14.288	1969	1974	1982	rVB	103842	146597	3.07%	0.307%
14	14.622	2023	2031	2040	rBV2	67018	102127	2.14%	0.214%
15	15.269	2136	2141	2147	rBV3	47953	73482	1.54%	0.154%
16	15.568	2187	2192	2200	rVB3	31666	61062	1.28%	0.128%
17	15.721	2213	2218	2225	rVB	186021	285413	5.97%	0.598%
18	16.626	2367	2372	2379	rVB	112070	171147	3.58%	0.359%
19	16.790	2395	2400	2408	rVB	73285	113847	2.38%	0.239%
20	16.973	2425	2431	2434	rBV	506991	771254	16.13%	1.616%
21	17.014	2434	2438	2444	rVV	1637303	2191417	45.83%	4.591%
22	17.102	2444	2453	2459	rVB	255034	373330	7.81%	0.782%
23	17.378	2493	2500	2504	rBV	66150	102592	2.15%	0.215%
24	17.490	2515	2519	2523	rVB	63934	81038	1.69%	0.170%
25	17.548	2525	2529	2539	rVV3	68206	104469	2.18%	0.219%
26	17.766	2562	2566	2570	rBV	40572	58302	1.22%	0.122%
27	17.842	2574	2579	2583	rVV	306697	415105	8.68%	0.870%
28	17.889	2583	2587	2594	rVB	386873	535295	11.19%	1.121%
29	17.971	2594	2601	2606	rBV	103072	146397	3.06%	0.307%
30	18.036	2606	2612	2616	rBV2	349139	636728	13.31%	1.334%
31	18.071	2616	2618	2626	rVB	240124	302543	6.33%	0.634%
32	18.159	2629	2633	2636	rBV4	34799	48652	1.02%	0.102%
33	18.347	2660	2665	2669	rBV	221161	286752	6.00%	0.601%
34	18.394	2669	2673	2682	rVB	201747	288600	6.03%	0.605%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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	18.471	2682	2686	2690	rBV	40869	57388	1.20%	0.120%
36	18.594	2704	2707	2711	rVV	101217	141718	2.96%	0.297%
37	18.647	2712	2716	2719	rVV	83002	110572	2.31%	0.232%
38	18.688	2719	2723	2727	rVB	66579	88534	1.85%	0.185%
39	18.770	2731	2737	2742	rBV	185047	333991	6.98%	0.700%
40	18.829	2742	2747	2750	rVV3	84998	193091	4.04%	0.405%
41	18.865	2750	2753	2756	rVB	70458	84826	1.77%	0.178%
42	18.912	2756	2761	2769	rBV2	262324	417071	8.72%	0.874%
43	19.041	2774	2783	2789	rBV	3007603	4117691	86.11%	8.627%
44	19.100	2789	2793	2796	rVV	59284	72030	1.51%	0.151%
45	19.135	2796	2799	2803	rVB3	78740	101117	2.11%	0.212%
46	19.241	2811	2817	2820	rBV2	65139	123399	2.58%	0.259%
47	19.276	2820	2823	2827	rVV	106963	145655	3.05%	0.305%
48	19.405	2834	2845	2852	rBV	3009721	4782135	100.00%	10.019%
49	19.470	2852	2856	2864	rVB3	117412	197056	4.12%	0.413%
50	19.605	2864	2879	2882	rBV2	431261	768541	16.07%	1.610%
51	19.640	2882	2885	2890	rVB	144528	199298	4.17%	0.418%
52	19.734	2893	2901	2906	rBV3	197010	491309	10.27%	1.029%
53	19.857	2917	2922	2924	rBV5	171816	267028	5.58%	0.559%
54	19.893	2925	2928	2933	rVB	257543	352437	7.37%	0.738%
55	19.993	2942	2945	2949	rBV	121883	147131	3.08%	0.308%
56	20.051	2949	2955	2959	rVV2	295849	454317	9.50%	0.952%
57	20.092	2959	2962	2966	rVB	50464	58687	1.23%	0.123%
58	20.134	2966	2969	2973	rVB3	39815	49624	1.04%	0.104%
59	20.192	2975	2979	2983	rBV	187394	227961	4.77%	0.478%
60	20.239	2983	2987	2991	rVB	177282	231316	4.84%	0.485%
61	20.357	3004	3007	3012	rVB3	65139	91503	1.91%	0.192%
62	20.551	3038	3040	3045	rVB5	40573	48013	1.00%	0.101%
63	20.645	3051	3056	3061	rVB	345711	441329	9.23%	0.925%
64	20.803	3077	3083	3087	rBV2	302173	506866	10.60%	1.062%
65	20.845	3087	3090	3093	rVV	303984	357672	7.48%	0.749%
66	20.886	3093	3097	3101	rVV2	273493	461826	9.66%	0.968%
67	20.939	3102	3106	3113	rVB	309296	409866	8.57%	0.859%
68	21.044	3117	3124	3130	rBV2	86952	217366	4.55%	0.455%
69	21.150	3133	3142	3147	rBV3	2100862	3935973	82.31%	8.246%
70	21.197	3147	3150	3160	rVB	1672853	2120374	44.34%	4.442%
71	21.273	3160	3163	3166	rBV3	44143	55114	1.15%	0.115%

LSC Area Percent Report

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Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

72	21.309	3166	3169	3175	rBV	173422	235248	4.92%	0.493%
73	21.367	3175	3179	3181	rBV2	98963	137384	2.87%	0.288%
74	21.467	3191	3196	3201	rBV2	165147	269960	5.65%	0.566%
75	21.514	3201	3204	3208	rVV2	63396	78850	1.65%	0.165%
76	21.644	3222	3226	3229	rBV3	80472	112384	2.35%	0.235%
77	21.696	3229	3235	3239	rVV	291808	471644	9.86%	0.988%
78	21.749	3241	3244	3249	rVB	162175	200302	4.19%	0.420%
79	21.808	3252	3254	3258	rVB2	64641	77111	1.61%	0.162%
80	21.890	3264	3268	3270	rBV	128827	153575	3.21%	0.322%
81	21.990	3281	3285	3289	rVB2	99813	145966	3.05%	0.306%
82	22.184	3312	3318	3320	rBV3	58343	123803	2.59%	0.259%
83	22.449	3358	3363	3373	rVB2	117908	247105	5.17%	0.518%
84	22.701	3399	3406	3411	rBV	1393750	3193503	66.78%	6.691%
85	22.866	3429	3434	3439	rVB	264411	419217	8.77%	0.878%
86	22.989	3452	3455	3459	rBV2	70453	128140	2.68%	0.268%
87	23.171	3479	3486	3495	rVB	873896	1667949	34.88%	3.494%
88	23.265	3495	3502	3508	rBV	1320330	2248474	47.02%	4.711%
89	23.353	3512	3517	3522	rVV2	422335	817424	17.09%	1.713%
90	23.406	3522	3526	3534	rVB	398204	735567	15.38%	1.541%
91	25.586	3887	3897	3907	rBV	466414	1381684	28.89%	2.895%
92	26.262	4004	4012	4030	rVB	321087	1049046	21.94%	2.198%

Sum of corrected areas: 47730909

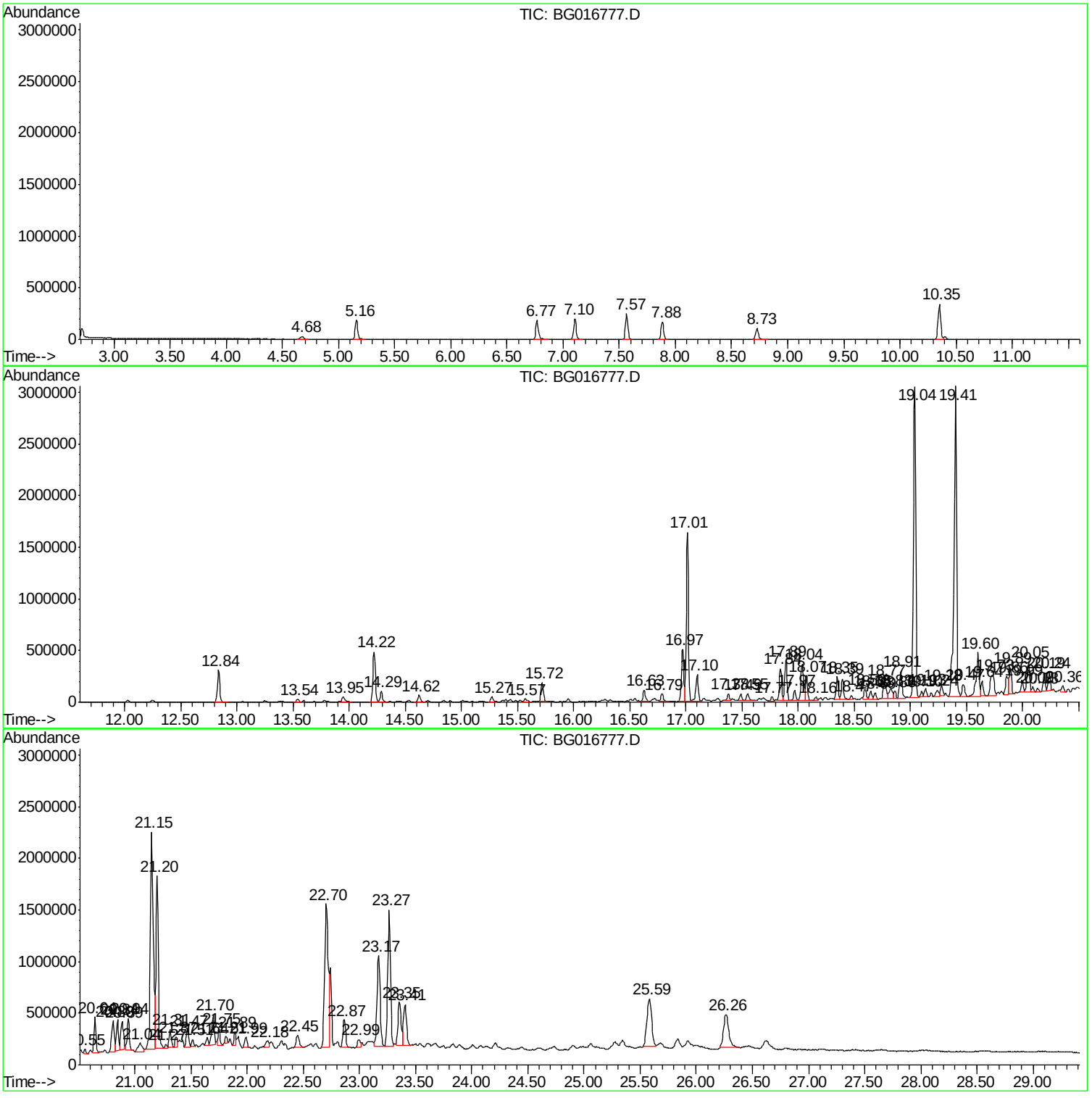
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
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ALS Vial : 14 Sample Multiplier: 1

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

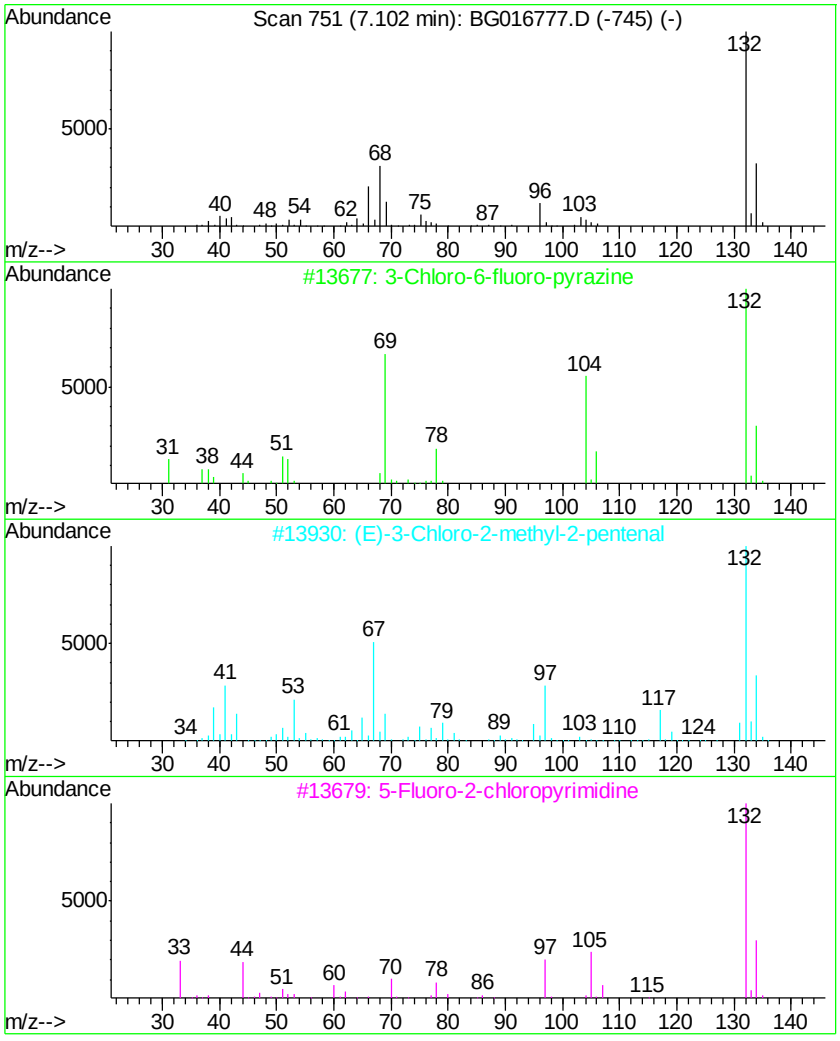
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

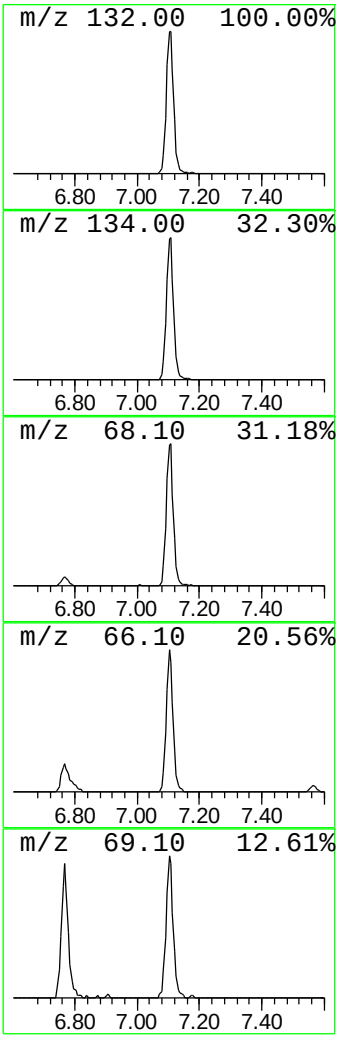
****

Peak Number 1 unknown7.10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	17.37 ng	325060	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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

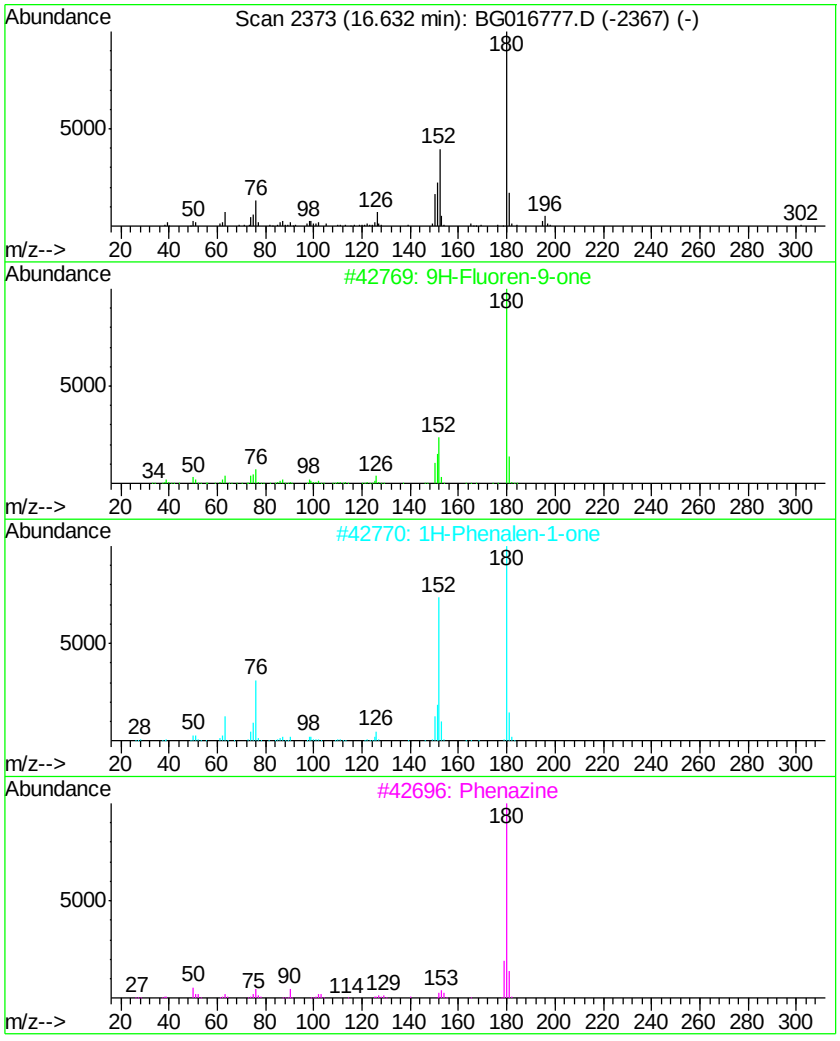
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

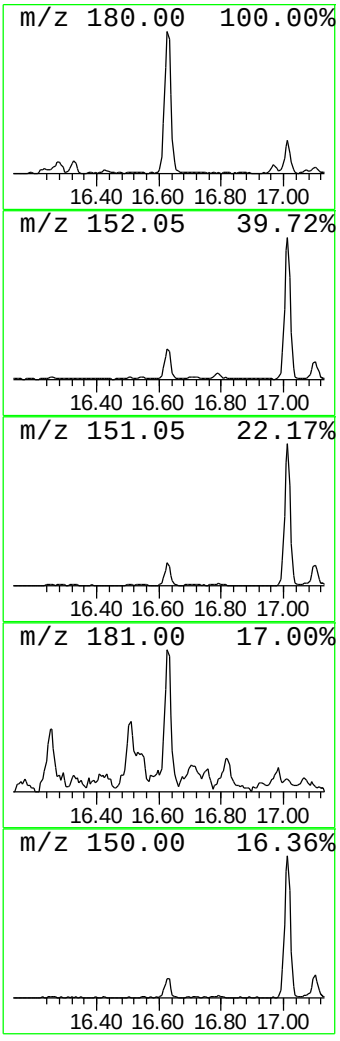
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	4.44 ng	171147	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	53
3	Phenazine	180	C12H8N2	000092-82-0	43
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	43
5	1,3-Diazaphenanthrene	180	C12H8N2	000229-75-4	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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

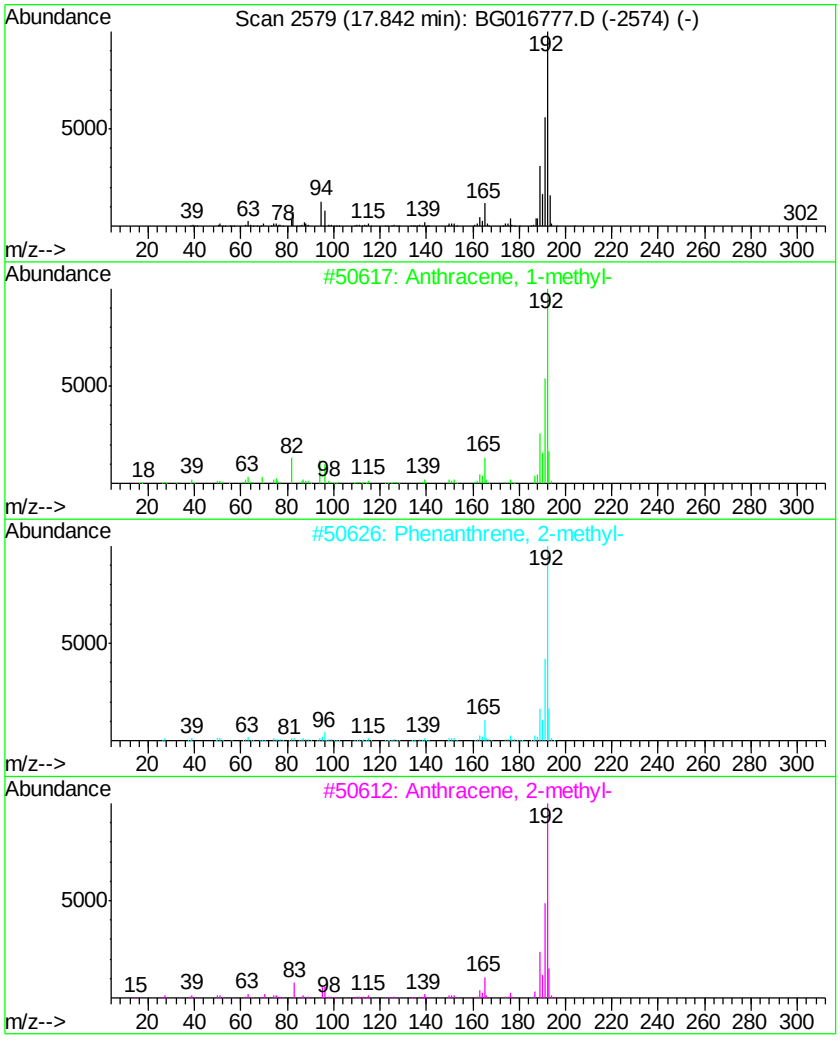
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

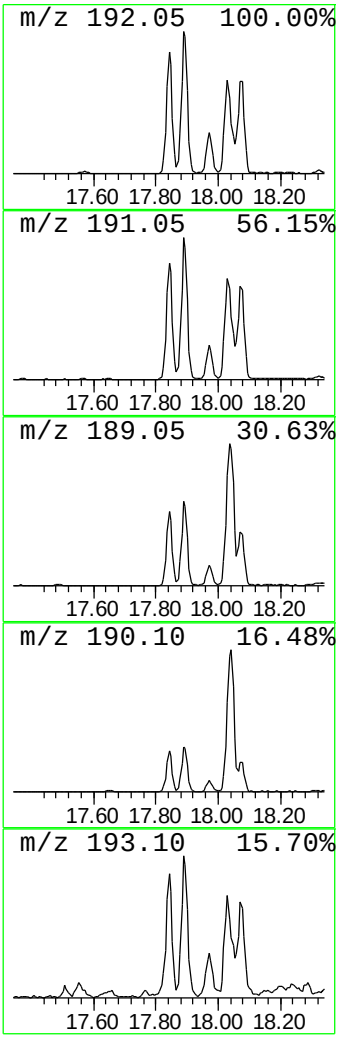
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	10.76 ng	415105	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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

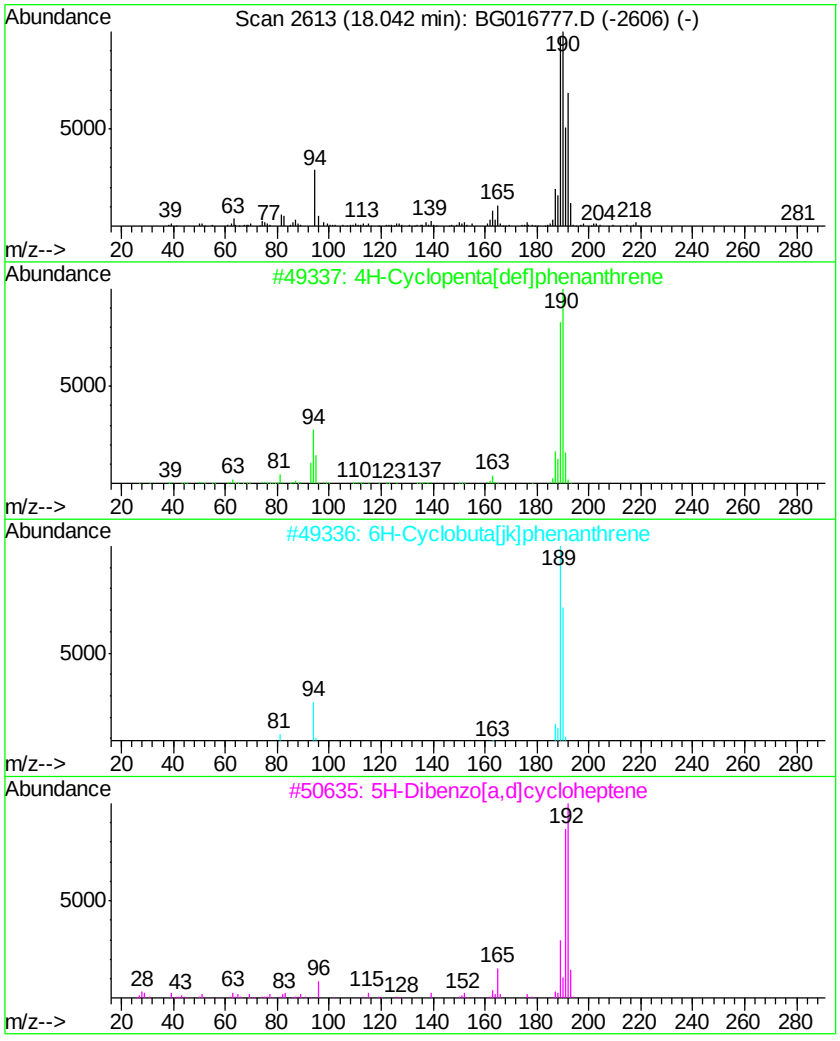
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

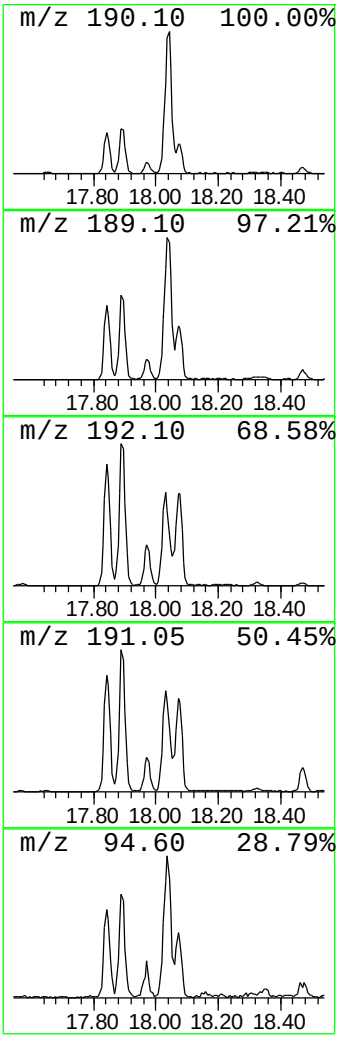
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	16.51 ng	636728	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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

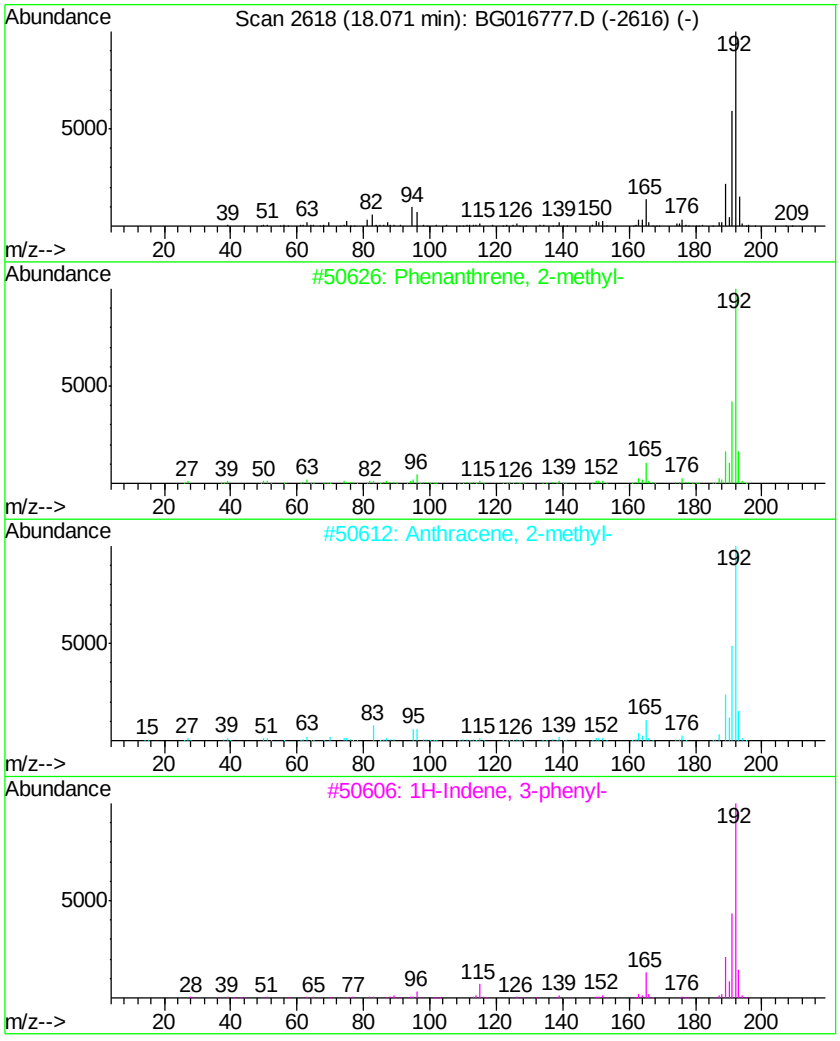
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

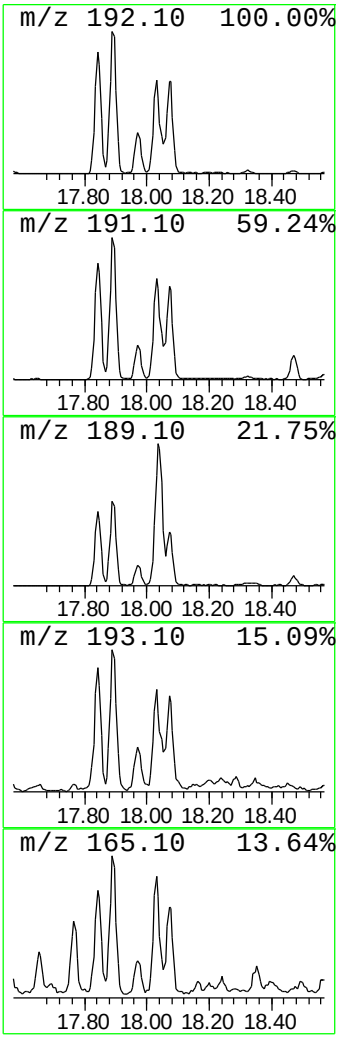
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	7.85 ng	302543	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	81
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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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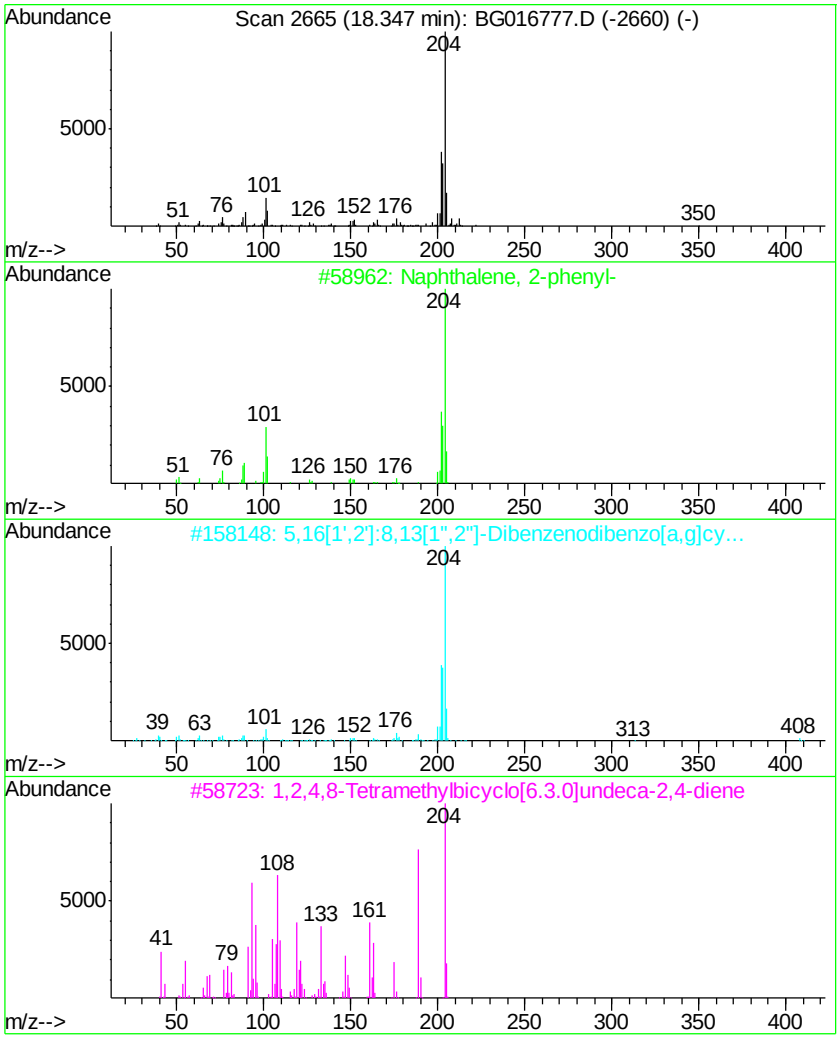
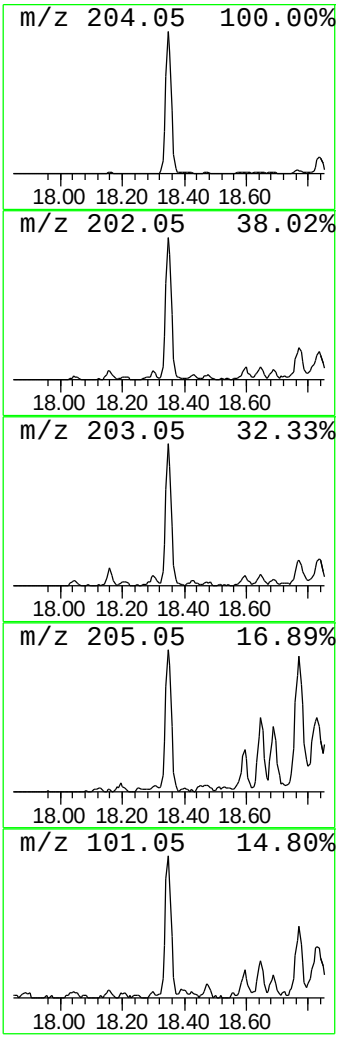
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	7.44 ng	286752	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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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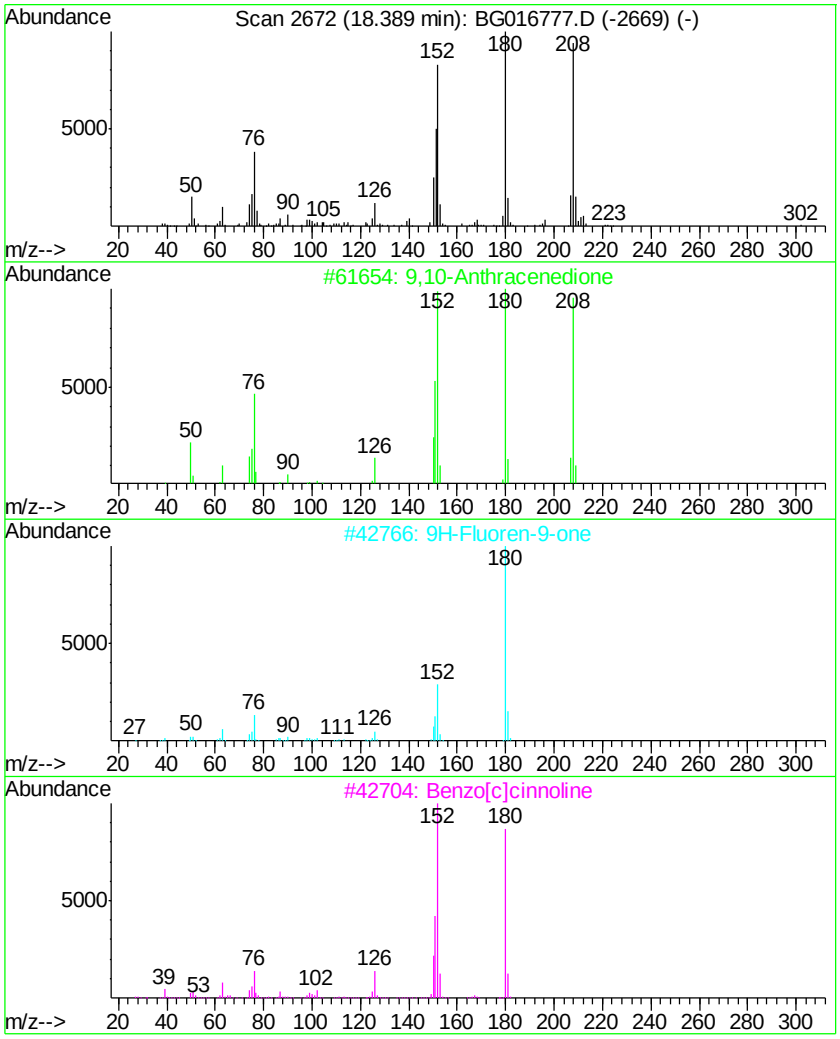
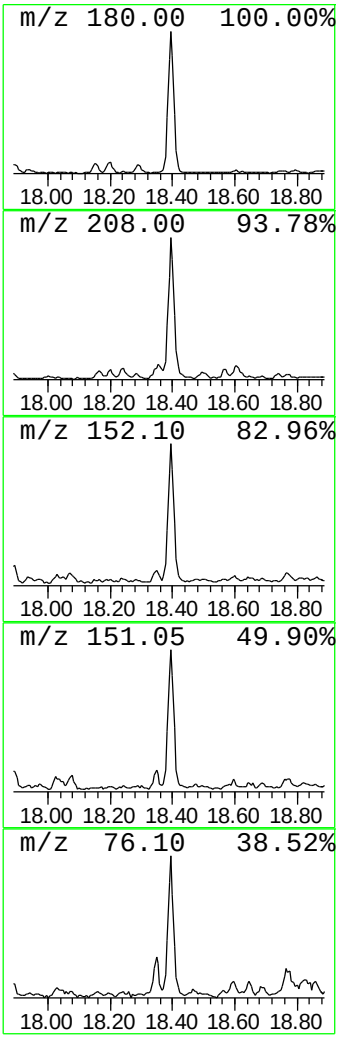
Peak Number 11 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	7.48 ng	288600	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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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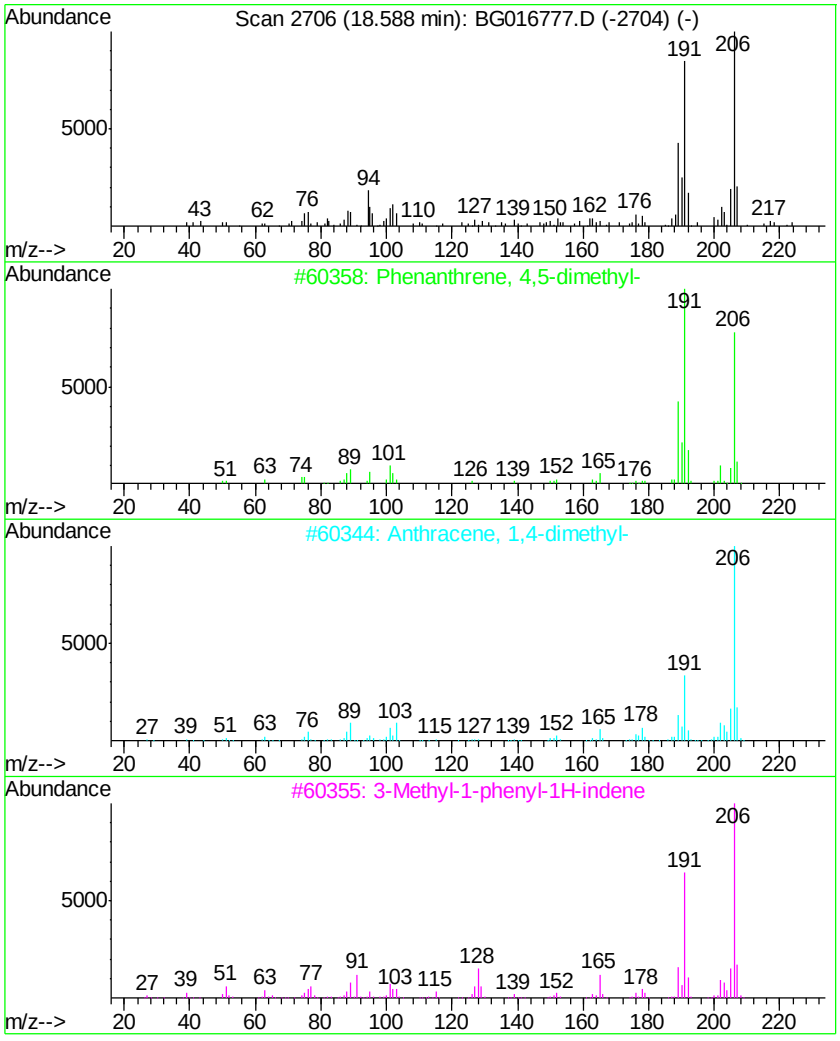
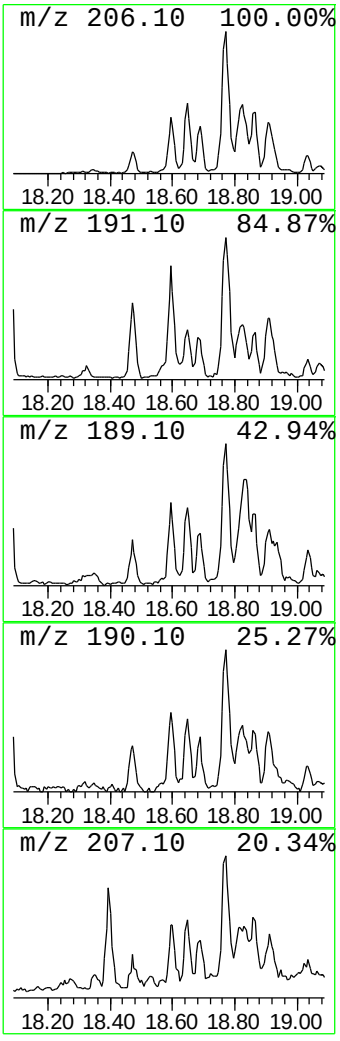
Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	3.68 ng	141718	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81





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Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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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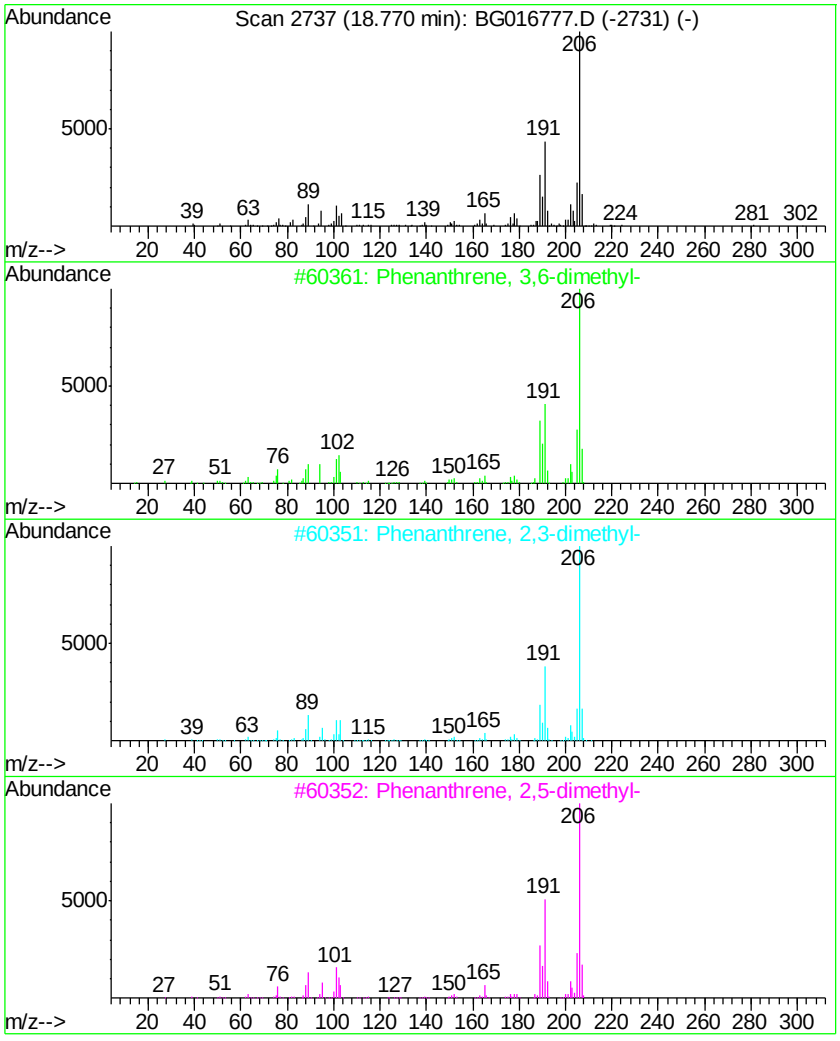
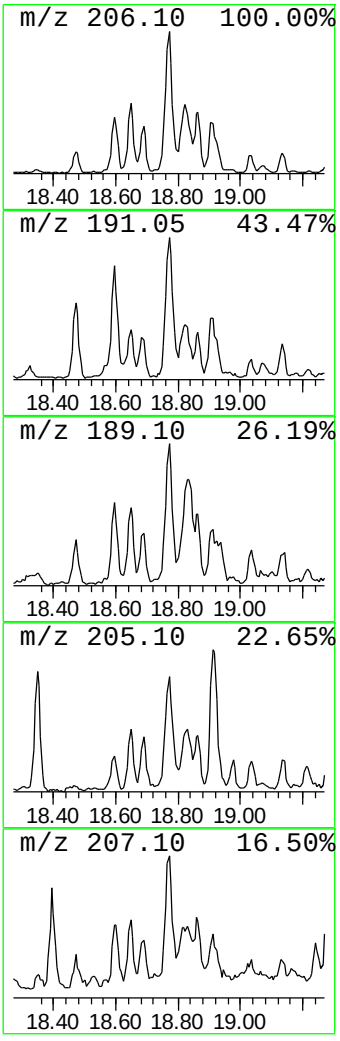
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	8.66 ng	333991	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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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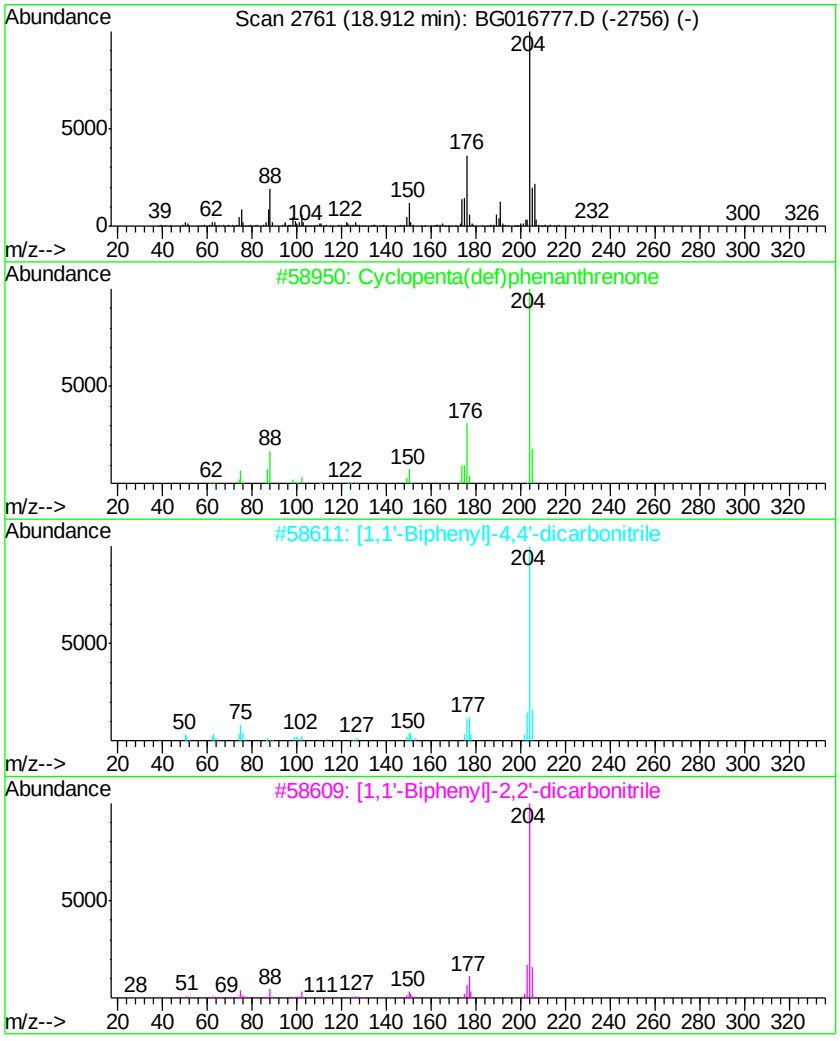
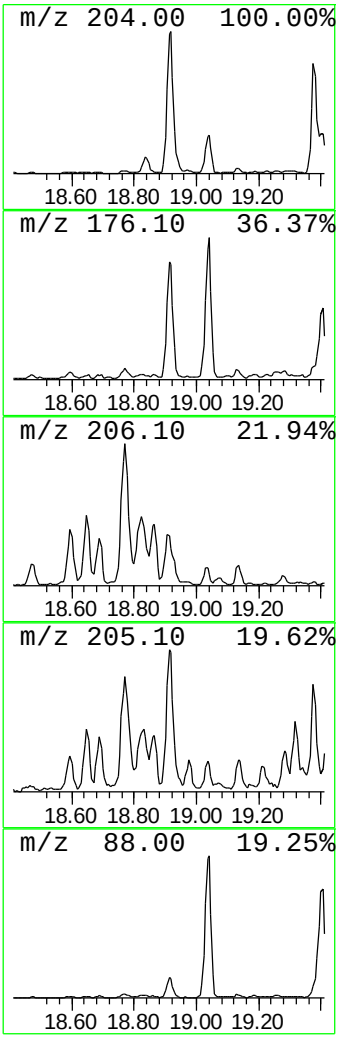
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	10.82 ng	417071	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42





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Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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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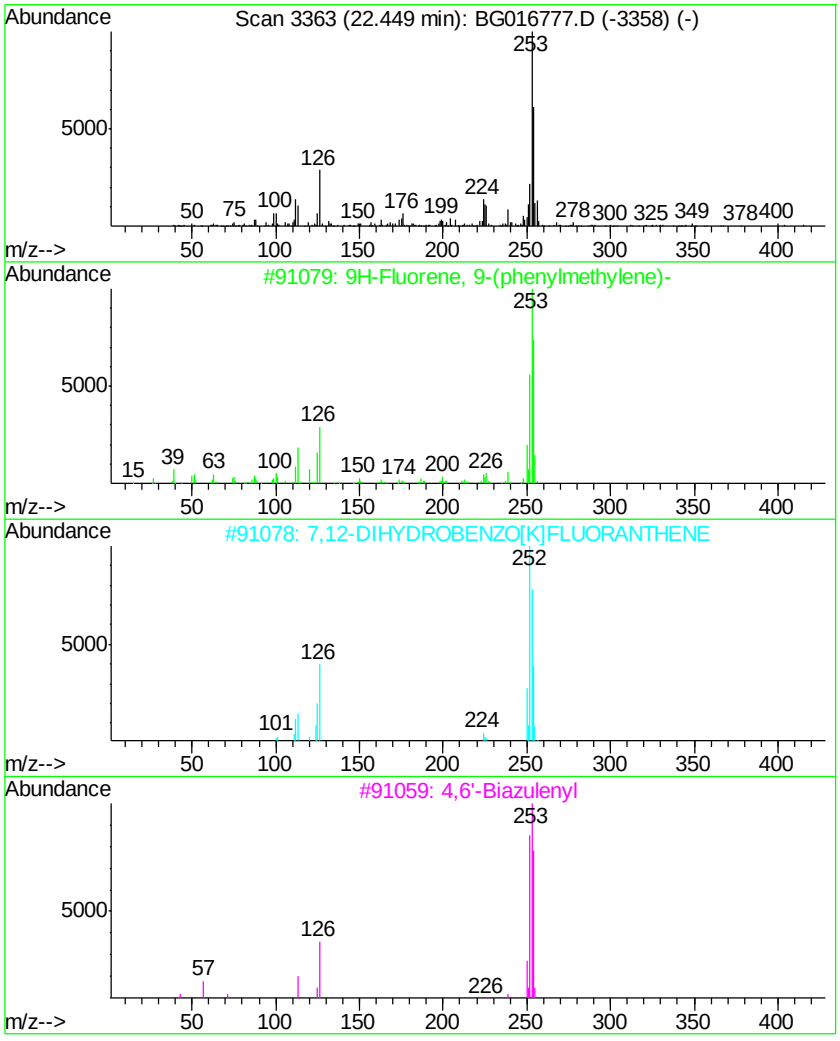
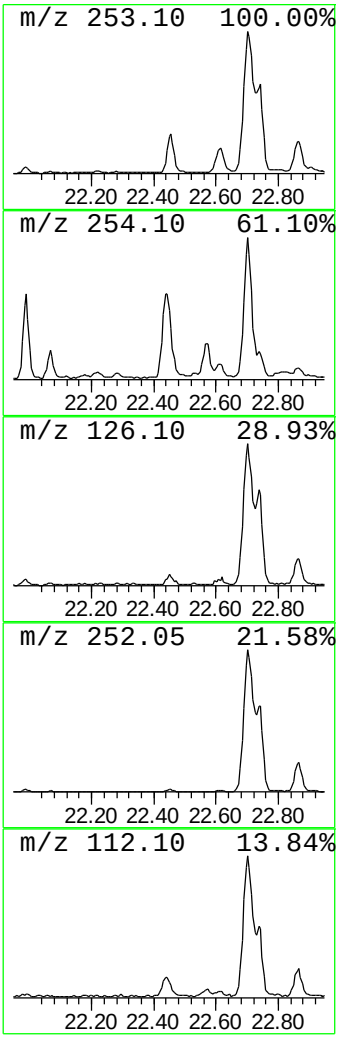
Peak Number 16 9H-Fluorene, 9-(phenylmethy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.45	6.05 ng	247105	Perylene-d12	23.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	90
2	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	72
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	64
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	58
5	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	58





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Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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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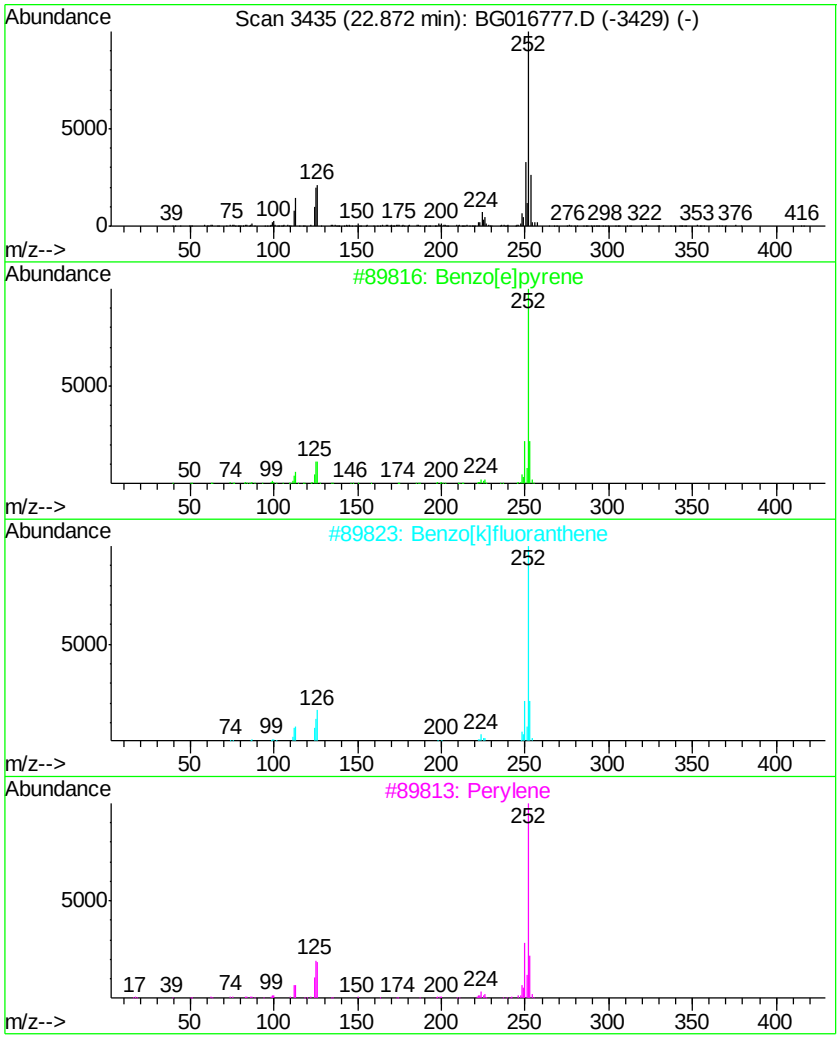
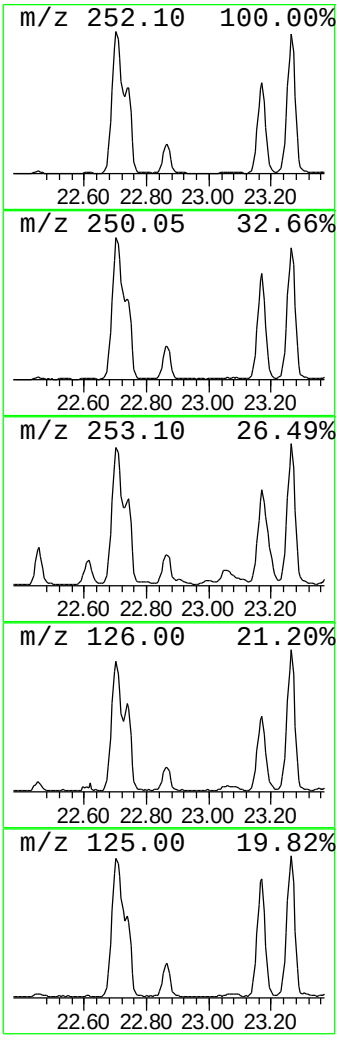
Peak Number 17 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.87	10.26 ng	419217	Perylene-d12	23.35

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	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
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Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PS-18-0-2

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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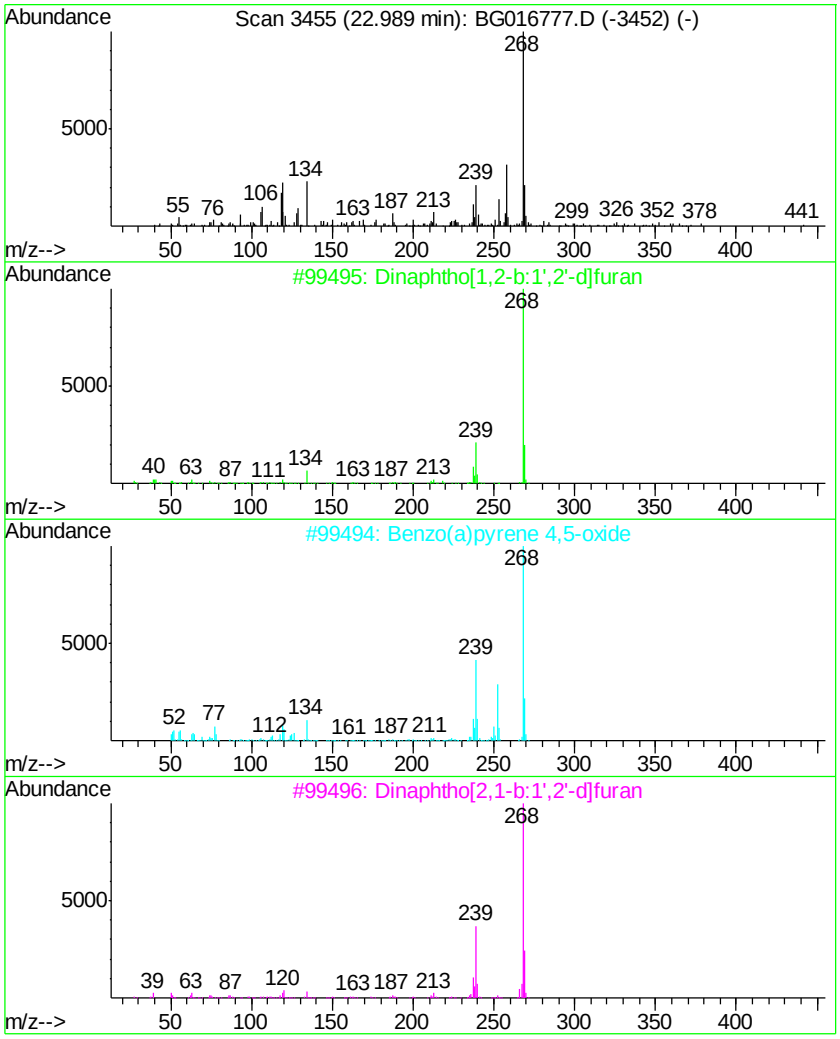
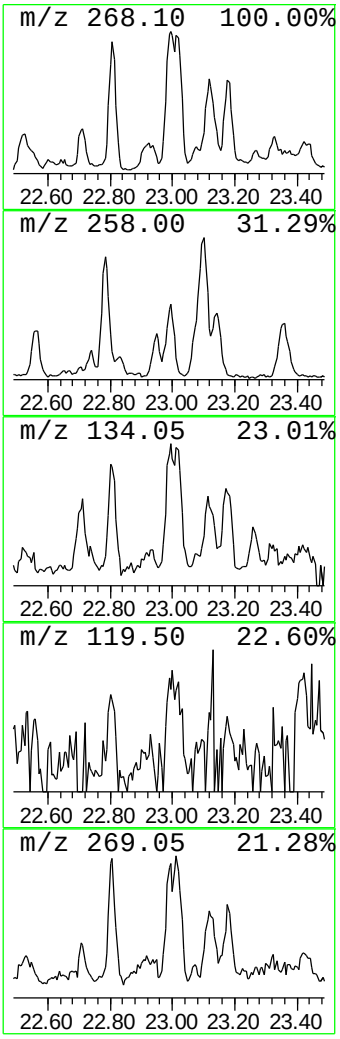
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	3.14 ng	128140	Perylene-d12	23.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	83
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	68
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	50
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	50





Tentatively Identified Compound (LSC) summary

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Data File : BG016777.D
Acq On : 28 Apr 2015 22:30
Operator : TP/IZ
Sample : G2021-10 5X
Misc :
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Instrument : BNA_G
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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
unknown7.10	7.10	17.4	ng	325060	1	7.57	374256	20.0
9H-Fluoren-9-one	16.63	4.4	ng	171147	4	16.97	771254	20.0
Anthracene, 1-met...	17.84	10.8	ng	415105	4	16.97	771254	20.0
4H-Cyclopenta[def...	18.04	16.5	ng	636728	4	16.97	771254	20.0
Anthracene, 2-met...	18.07	7.8	ng	302543	4	16.97	771254	20.0
Naphthalene, 2-ph...	18.35	7.4	ng	286752	4	16.97	771254	20.0
9,10-Anthracenedione	18.39	7.5	ng	288600	4	16.97	771254	20.0
Phenanthrene, 4,5...	18.59	3.7	ng	141718	4	16.97	771254	20.0
Phenanthrene, 3,6...	18.77	8.7	ng	333991	4	16.97	771254	20.0
Cyclopenta(def)ph...	18.91	10.8	ng	417071	4	16.97	771254	20.0
9H-Fluorene, 9-(p...	22.45	6.0	ng	247105	6	23.35	817424	20.0
Benzo[e]pyrene	22.87	10.3	ng	419217	6	23.35	817424	20.0
Dinaphtho[1,2-b:1...	22.99	3.1	ng	128140	6	23.35	817424	20.0