

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017528.D
 Acq On : 7 Jun 2015 11:05
 Operator : TP/IZ
 Sample : G2457-09 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-5

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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	2.759	8	12	20	rVB	43744	54543	2.66%	0.230%
2	5.215	424	430	441	rBV	268126	395940	19.34%	1.671%
3	6.830	699	705	715	rBV	279369	463475	22.64%	1.956%
4	7.165	756	762	770	rBV	287943	457372	22.34%	1.930%
5	7.618	833	839	845	rVB	90265	139733	6.82%	0.590%
6	7.941	887	894	901	rBV	206282	327819	16.01%	1.384%
7	8.787	1031	1038	1047	rBV	174859	295833	14.45%	1.249%
8	10.414	1309	1315	1321	rBV2	117391	204224	9.97%	0.862%
9	12.906	1732	1739	1748	rBV	422048	624724	30.51%	2.637%
10	13.188	1781	1787	1792	rVB	22114	32708	1.60%	0.138%
11	13.605	1854	1858	1864	rBV2	17920	26892	1.31%	0.114%
12	13.752	1877	1883	1890	rBV	111880	156020	7.62%	0.659%
13	14.010	1919	1927	1938	rBV2	39625	88987	4.35%	0.376%
14	14.286	1966	1974	1981	rBV2	183937	292737	14.30%	1.236%
15	14.351	1981	1985	1993	rVV	38552	55989	2.73%	0.236%
16	14.692	2035	2043	2050	rBV	32994	50324	2.46%	0.212%
17	15.344	2148	2154	2161	rVB	46941	70119	3.42%	0.296%
18	15.638	2200	2204	2211	rVB2	24828	35601	1.74%	0.150%
19	15.790	2224	2230	2237	rBV	399509	593315	28.98%	2.504%
20	16.014	2264	2268	2276	rVB7	17995	37570	1.83%	0.159%
21	16.349	2317	2325	2330	rBV6	18430	39944	1.95%	0.169%
22	16.701	2380	2385	2392	rVB3	29879	45193	2.21%	0.191%
23	16.772	2392	2397	2399	rBV4	22058	27470	1.34%	0.116%
24	16.801	2400	2402	2407	rVV4	19153	27696	1.35%	0.117%
25	16.860	2407	2412	2419	rVB	42705	64931	3.17%	0.274%
26	17.042	2438	2443	2446	rBV	249173	340956	16.65%	1.439%
27	17.083	2446	2450	2456	rVB	711430	971683	47.46%	4.101%
28	17.177	2461	2466	2471	rVV	117660	168125	8.21%	0.710%
29	17.230	2471	2475	2481	rVB5	17722	29982	1.46%	0.127%
30	17.430	2502	2509	2511	rBV4	44242	68497	3.35%	0.289%
31	17.453	2511	2513	2517	rVB	23707	29610	1.45%	0.125%
32	17.565	2526	2532	2538	rVB2	26033	50332	2.46%	0.212%
33	17.629	2538	2543	2550	rVB8	22032	41174	2.01%	0.174%
34	17.917	2586	2592	2596	rVV	101830	157877	7.71%	0.666%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.964	2596	2600	2607	rVB	154434	237792	11.61%	1.004%
36	18.047	2608	2614	2619	rBV	48097	68942	3.37%	0.291%
37	18.111	2619	2625	2629	rVV2	145981	272232	13.30%	1.149%
38	18.152	2629	2632	2640	rVB	77029	107803	5.27%	0.455%
39	18.241	2640	2647	2650	rBV6	24275	41098	2.01%	0.173%
40	18.423	2674	2678	2682	rBV	84616	112002	5.47%	0.473%
41	18.470	2682	2686	2690	rVB2	74583	100371	4.90%	0.424%
42	18.675	2716	2721	2724	rVB3	27935	36686	1.79%	0.155%
43	18.722	2724	2729	2732	rVB3	23212	28855	1.41%	0.122%
44	18.763	2732	2736	2740	rVB	28199	37516	1.83%	0.158%
45	18.810	2740	2744	2746	rBV	73783	95360	4.66%	0.402%
46	18.846	2746	2750	2754	rVV2	60046	104855	5.12%	0.443%
47	18.910	2758	2761	2763	rVV2	39724	50274	2.46%	0.212%
48	18.940	2763	2766	2769	rVV	27498	33125	1.62%	0.140%
49	18.987	2769	2774	2783	rVB	85452	145297	7.10%	0.613%
50	19.116	2789	2796	2801	rBV	1571374	2047475	100.00%	8.642%
51	19.175	2801	2806	2809	rBV4	31891	41734	2.04%	0.176%
52	19.210	2809	2812	2816	rVB4	29402	35318	1.72%	0.149%
53	19.263	2816	2821	2825	rBV	79078	102528	5.01%	0.433%
54	19.310	2825	2829	2833	rBV2	24658	41653	2.03%	0.176%
55	19.357	2833	2837	2840	rVB	32945	40221	1.96%	0.170%
56	19.445	2847	2852	2853	rBV	215813	251039	12.26%	1.060%
57	19.480	2853	2858	2865	rVB	1237549	1697981	82.93%	7.167%
58	19.545	2865	2869	2876	rVB2	69338	107502	5.25%	0.454%
59	19.680	2880	2892	2896	rBV2	763715	1070619	52.29%	4.519%
60	19.715	2896	2898	2903	rVB2	53974	70841	3.46%	0.299%
61	19.798	2906	2912	2914	rBV4	95136	161392	7.88%	0.681%
62	19.939	2930	2936	2938	rBV3	73280	133613	6.53%	0.564%
63	19.974	2938	2942	2948	rVB2	140532	213750	10.44%	0.902%
64	20.074	2955	2959	2962	rBV	80495	96251	4.70%	0.406%
65	20.132	2962	2969	2973	rVV2	129142	217358	10.62%	0.917%
66	20.168	2973	2975	2978	rVB3	23609	24053	1.17%	0.102%
67	20.209	2979	2982	2987	rVB3	32016	37957	1.85%	0.160%
68	20.268	2988	2992	2996	rBV	58022	69464	3.39%	0.293%
69	20.315	2996	3000	3004	rVV2	66318	91884	4.49%	0.388%
70	20.526	3033	3036	3039	rBV5	19757	31763	1.55%	0.134%
71	20.720	3065	3069	3076	rVB	172423	210237	10.27%	0.887%

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ClientSampleId :
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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 >
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72	20.884	3090	3097	3100	rBV3	118161	209820	10.25%	0.886%
73	20.926	3100	3104	3106	rVV	118113	161540	7.89%	0.682%
74	20.961	3106	3110	3115	rVV3	119510	246027	12.02%	1.038%
75	21.020	3115	3120	3127	rVB2	163882	239737	11.71%	1.012%
76	21.125	3135	3138	3146	rVB4	26545	54305	2.65%	0.229%
77	21.225	3150	3155	3161	rVV3	772393	1552391	75.82%	6.552%
78	21.278	3161	3164	3173	rVB	676192	847554	41.40%	3.577%
79	21.390	3180	3183	3188	rBV2	62201	98889	4.83%	0.417%
80	21.443	3188	3192	3197	rVV	100485	130435	6.37%	0.551%
81	21.554	3206	3211	3215	rBV2	67098	111813	5.46%	0.472%
82	21.595	3215	3218	3222	rBV5	32314	41218	2.01%	0.174%
83	21.731	3237	3241	3244	rBV4	34698	52988	2.59%	0.224%
84	21.783	3244	3250	3254	rVV	125214	221623	10.82%	0.935%
85	21.836	3255	3259	3265	rVB2	84165	136283	6.66%	0.575%
86	21.977	3280	3283	3287	rBV3	55195	74469	3.64%	0.314%
87	22.083	3297	3301	3305	rVB4	48239	73169	3.57%	0.309%
88	22.547	3376	3380	3392	rVB6	50472	121697	5.94%	0.514%
89	22.812	3417	3425	3429	rBV	503899	1178086	57.54%	4.972%
90	22.976	3449	3453	3459	rVB2	108954	168691	8.24%	0.712%
91	23.105	3471	3475	3483	rBV3	44520	112908	5.51%	0.477%
92	23.288	3500	3506	3514	rVB	286825	564130	27.55%	2.381%
93	23.382	3515	3522	3529	rVV	454397	810662	39.59%	3.422%
94	23.481	3531	3539	3543	rVV	200265	416256	20.33%	1.757%
95	23.528	3543	3547	3554	rVB2	126886	249499	12.19%	1.053%
96	25.503	3880	3883	3884	rBV2	24402	23698	1.16%	0.100%
97	25.755	3918	3926	3938	rVB2	212624	616756	30.12%	2.603%
98	26.014	3967	3970	3971	rBV2	20119	21671	1.06%	0.091%
99	26.460	4037	4046	4055	rBV	135506	386642	18.88%	1.632%
100	26.819	4102	4107	4108	rBV3	23162	35758	1.75%	0.151%

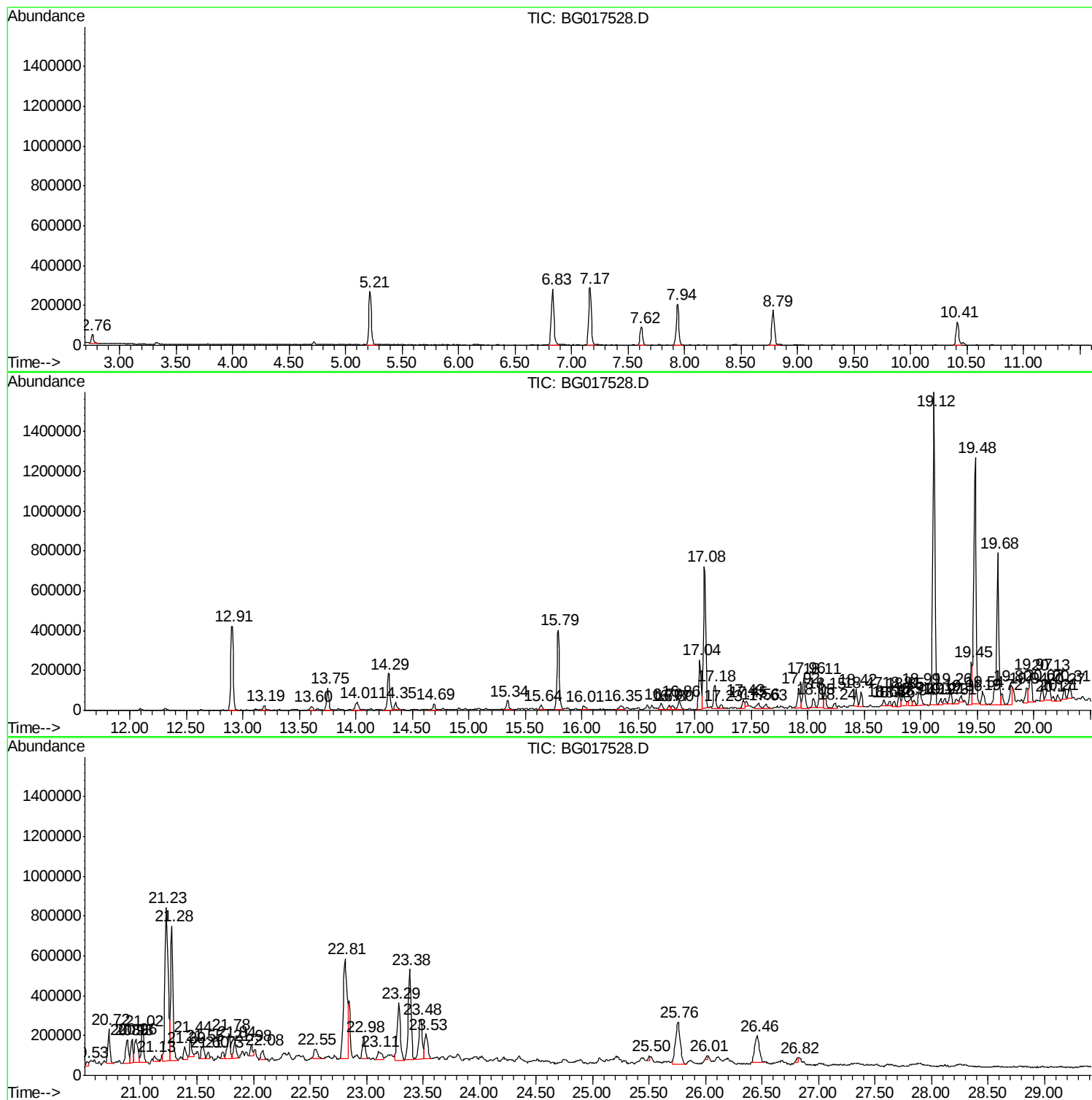
Sum of corrected areas: 23692951

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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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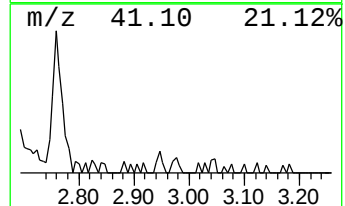
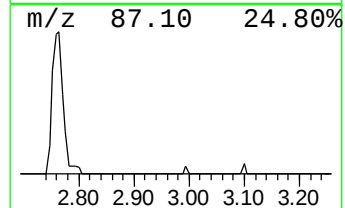
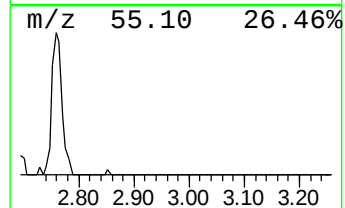
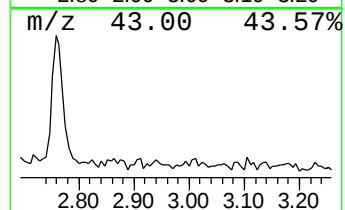
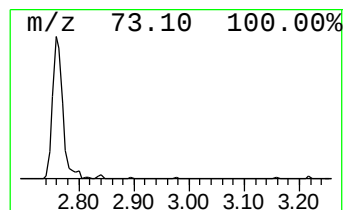
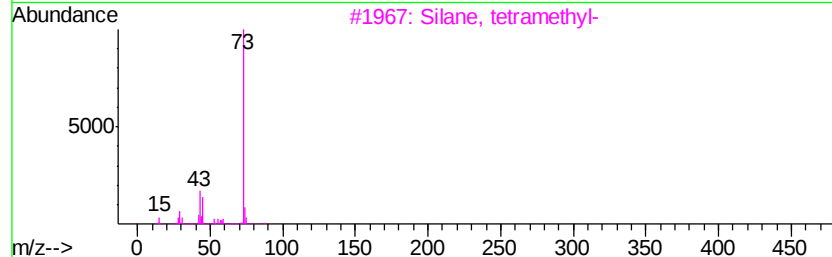
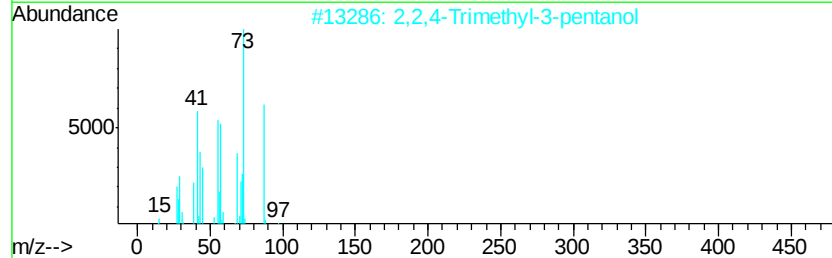
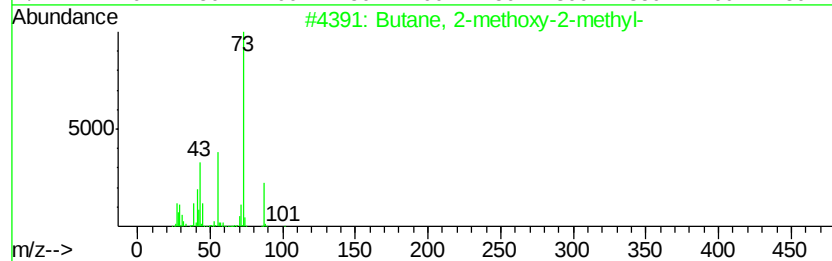
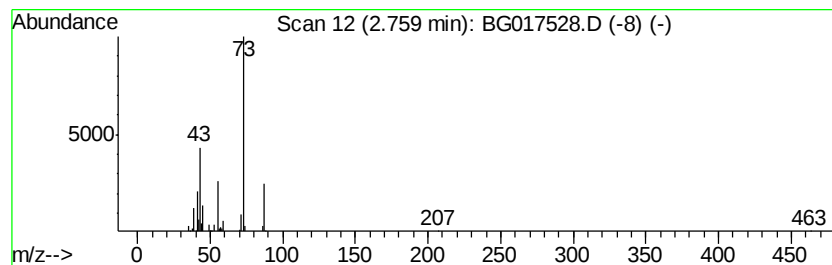
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown2.76 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	7.81 ng	54543	1,4-Dichlorobenzene-d4	7.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	47
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	36
3		Silane, tetramethyl-	88	C4H12Si	000075-76-3	27
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	10
5		2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	10



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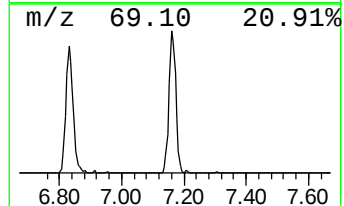
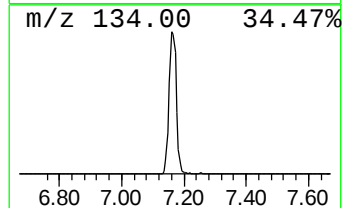
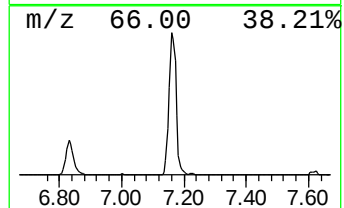
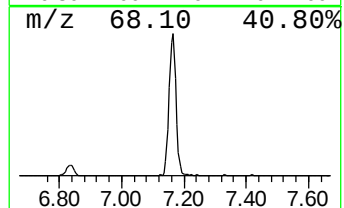
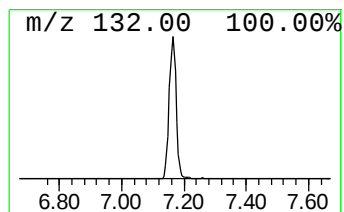
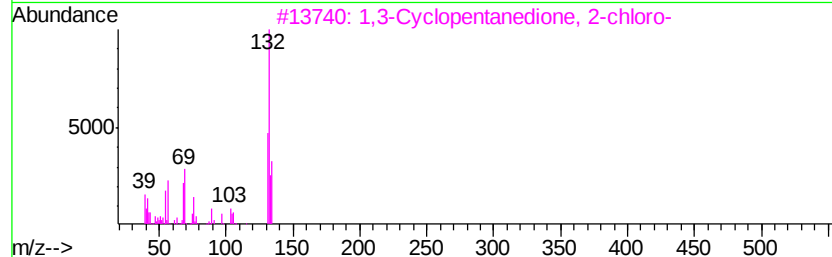
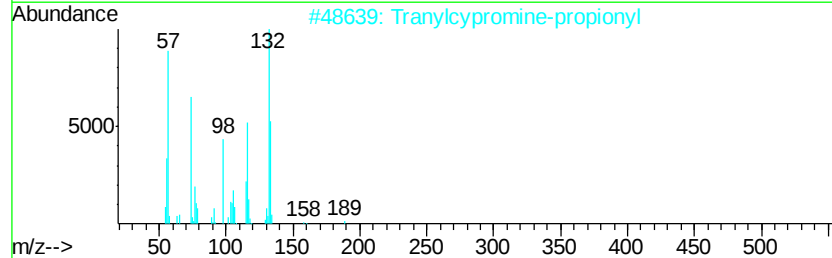
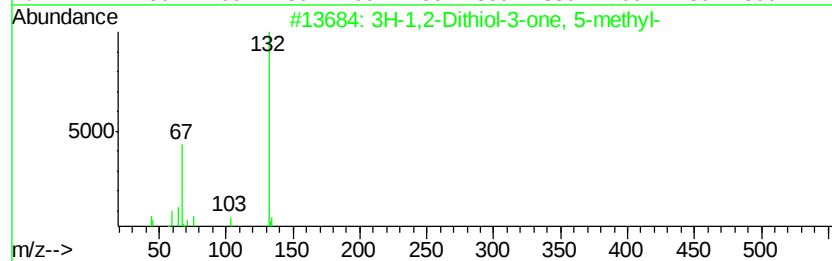
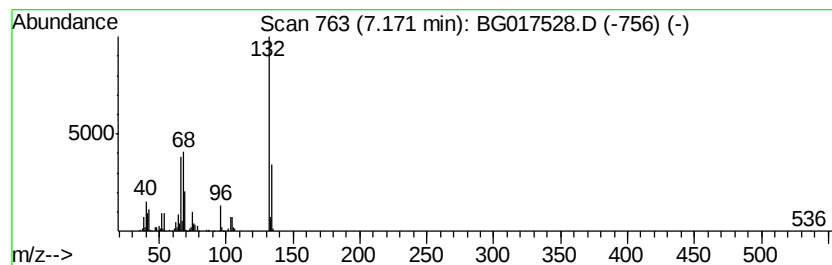
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	65.46 ng	457372	1,4-Dichlorobenzene-d4	7.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
4		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	12
5		Acetic acid, 2-benzimidazol-2-yl-	176	C9H8N2O2	013570-08-6	12



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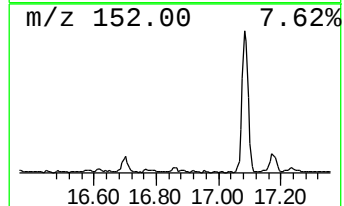
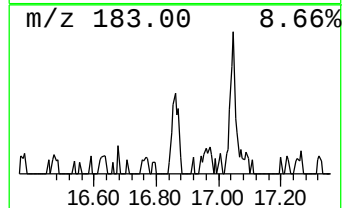
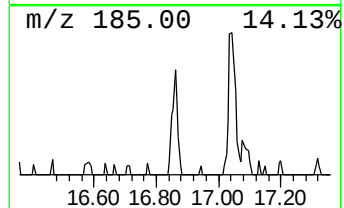
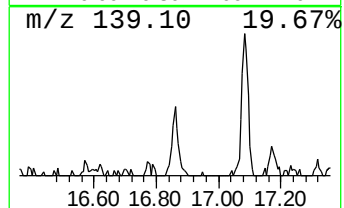
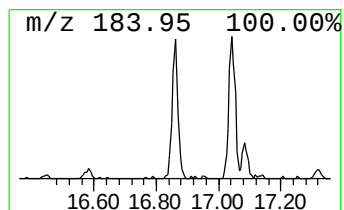
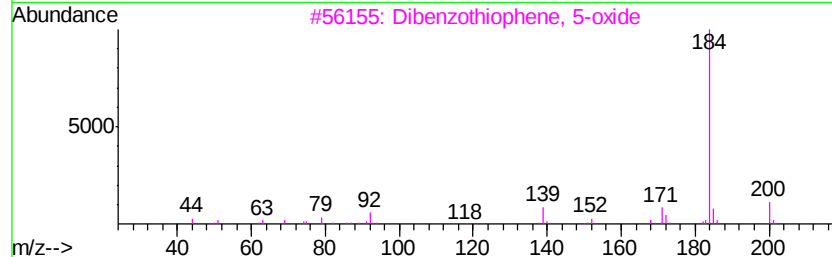
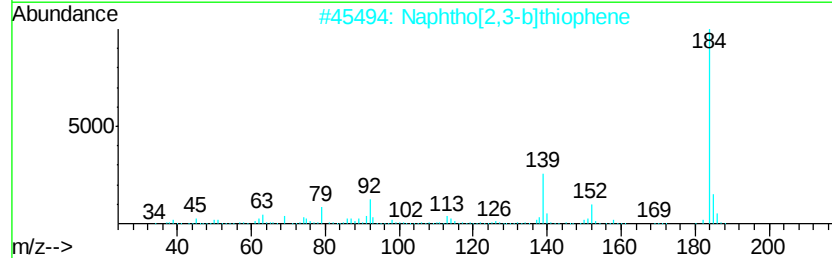
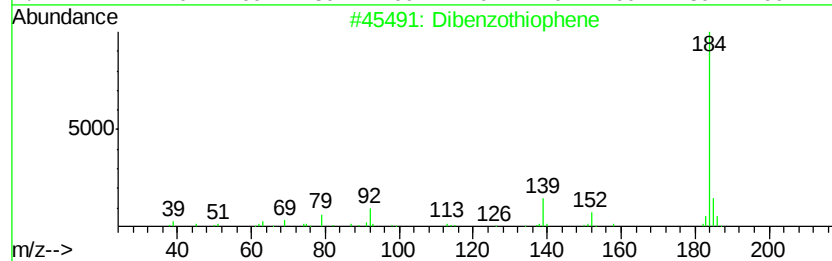
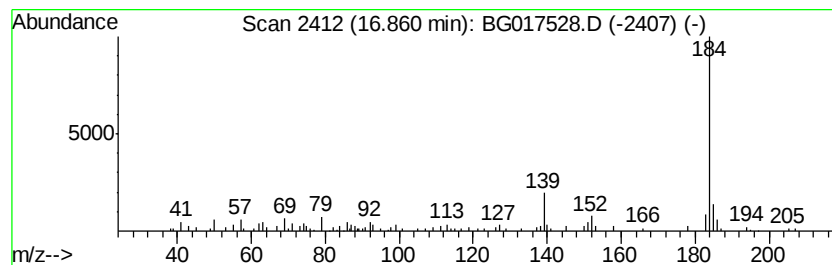
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	3.81 ng	64931	Phenanthrene-d10	17.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91	
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90	
3	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78	
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	72	
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64	



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
Operator : TP/IZ
Sample : G2457-09 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SP-5

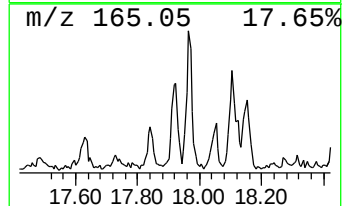
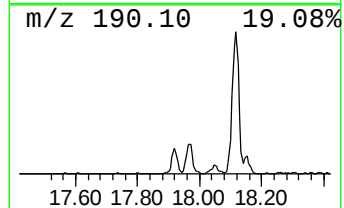
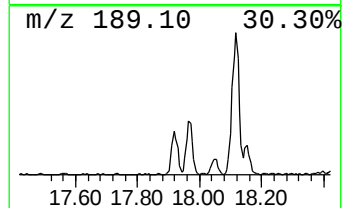
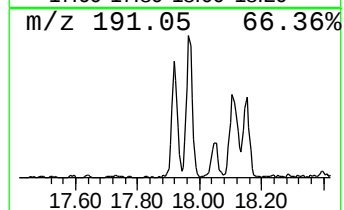
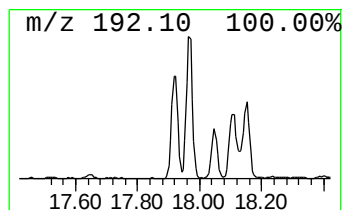
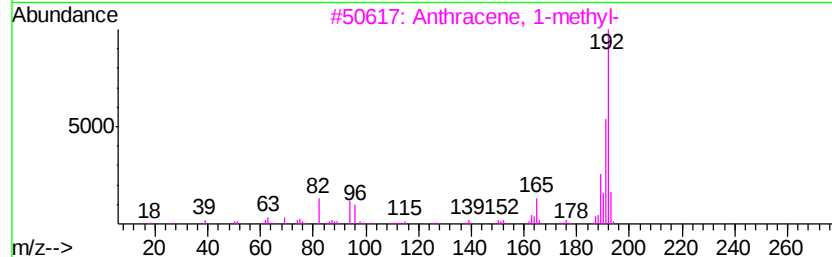
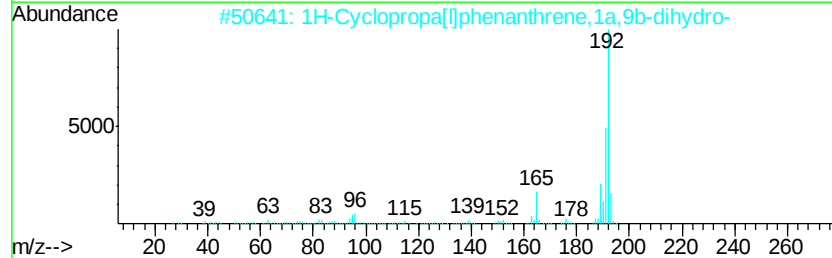
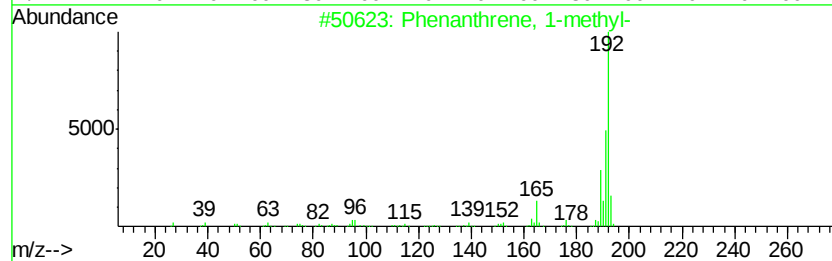
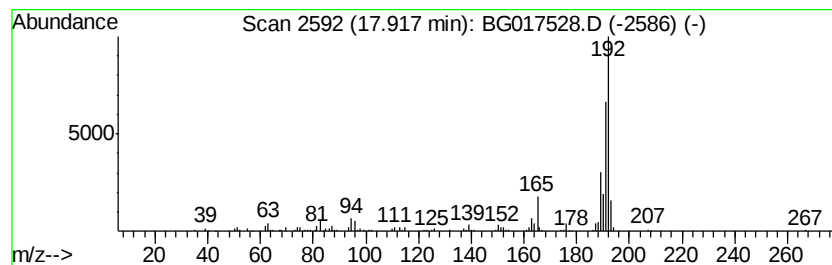
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	9.26 ng	157877	Phenanthrene-d10	17.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
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Sample : G2457-09 2X
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Instrument :
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ClientSampleId :
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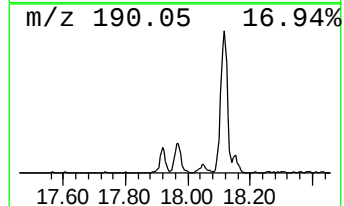
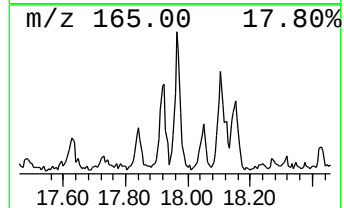
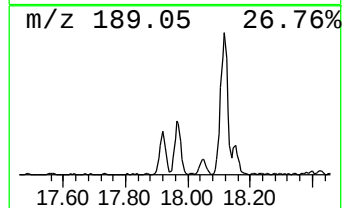
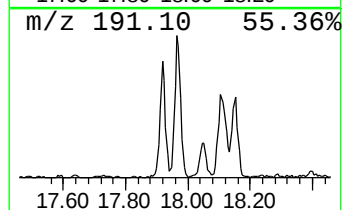
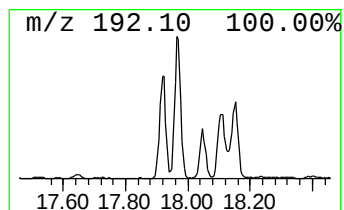
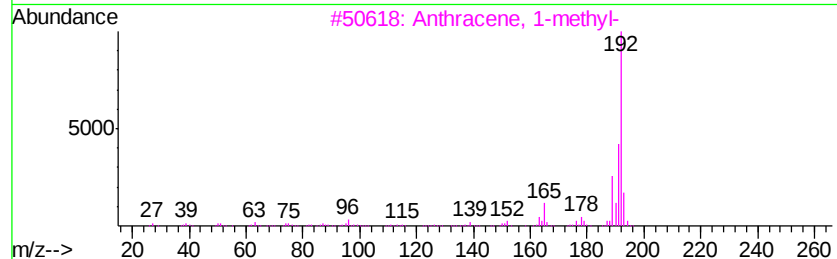
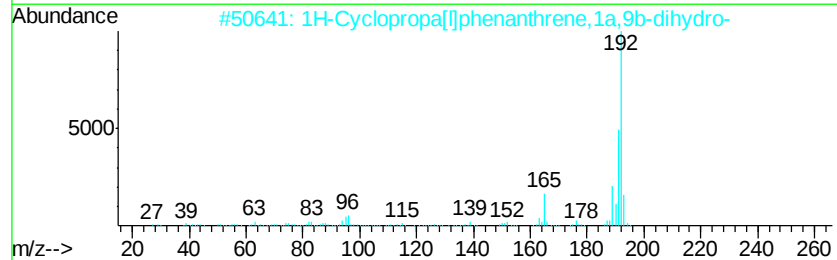
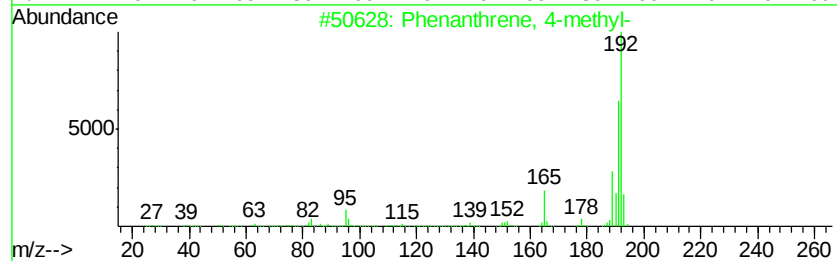
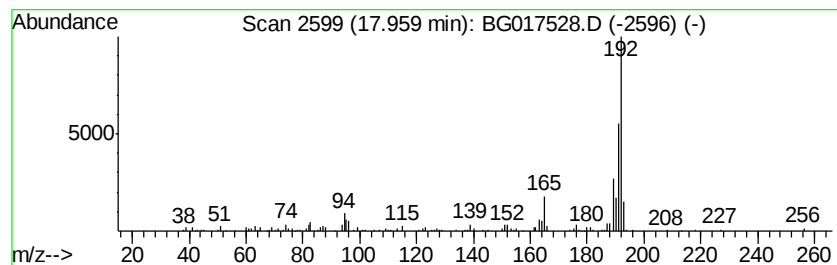
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	13.95 ng	237792	Phenanthrene-d10	17.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
Operator : TP/IZ
Sample : G2457-09 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

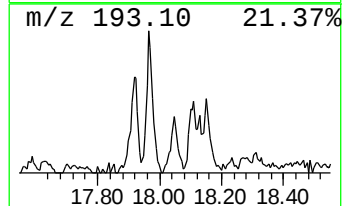
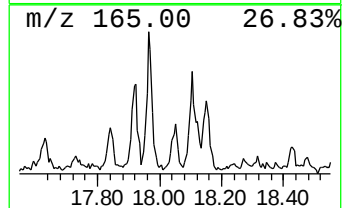
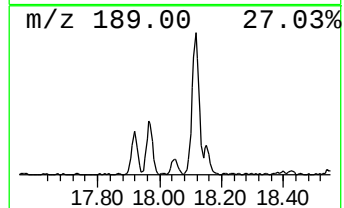
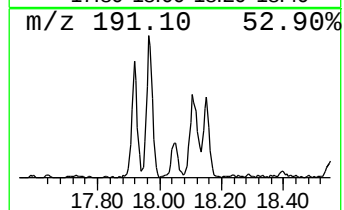
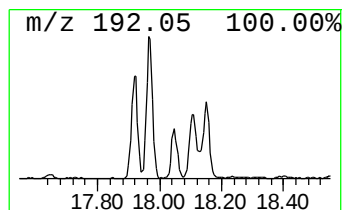
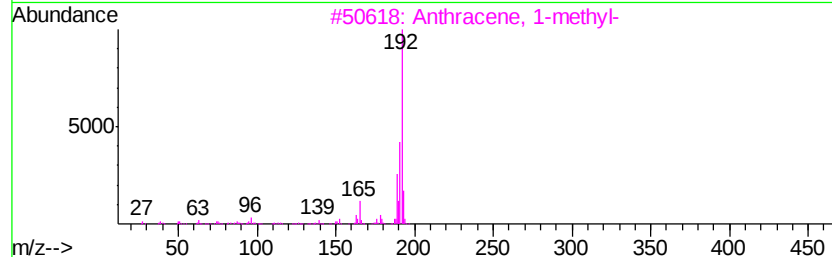
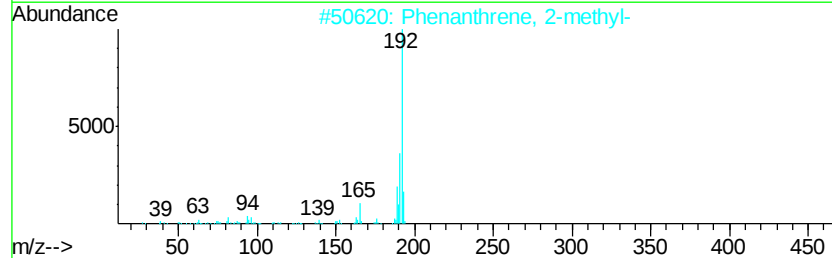
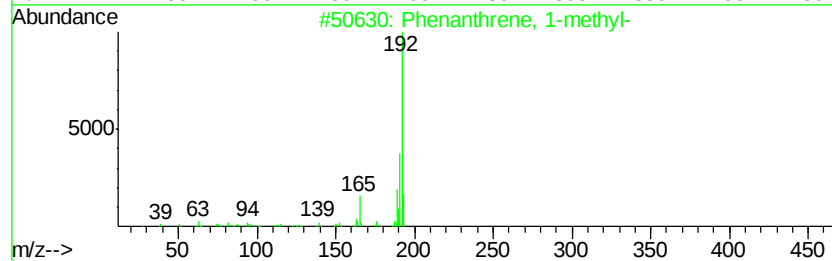
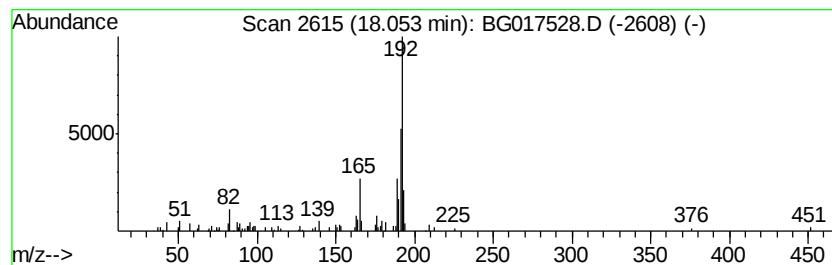
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.05	4.04 ng	68942	Phenanthrene-d10	17.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
Operator : TP/IZ
Sample : G2457-09 2X
Misc :
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Instrument :
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ClientSampleId :
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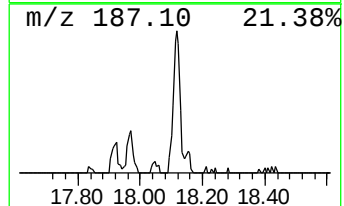
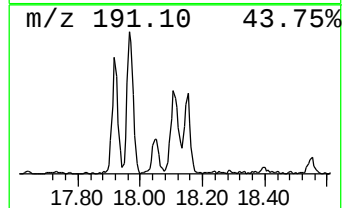
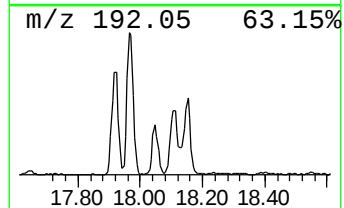
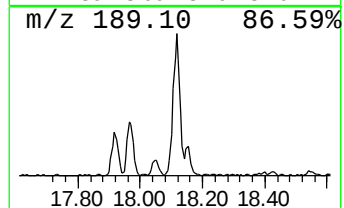
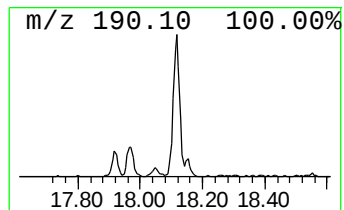
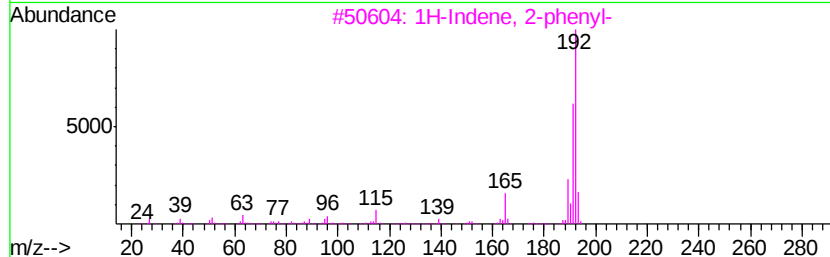
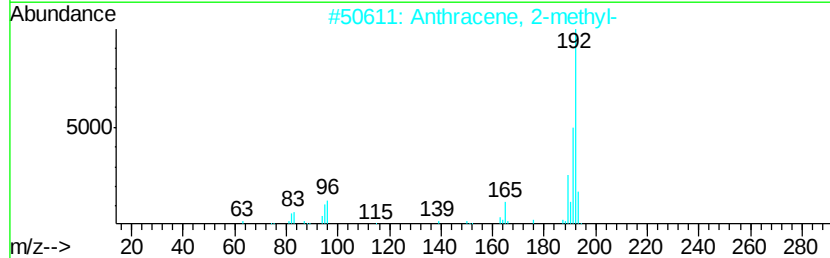
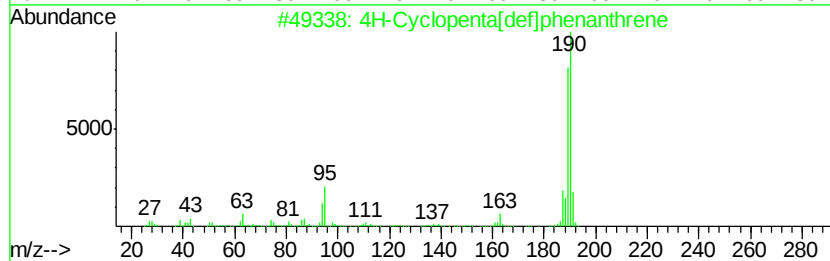
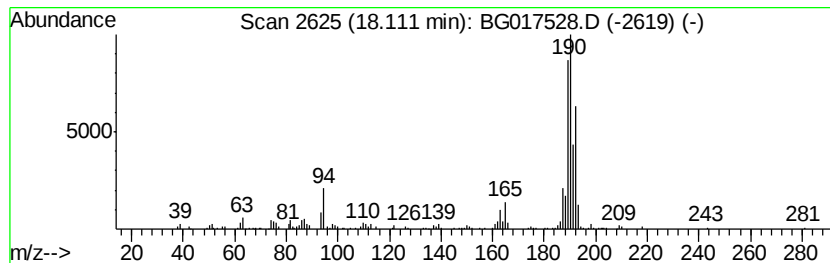
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
18.11	15.97 ng	272232	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	25
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
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Sample : G2457-09 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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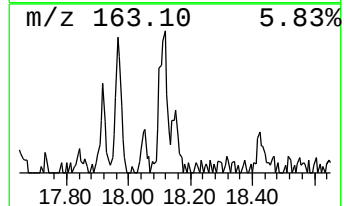
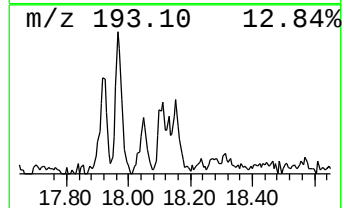
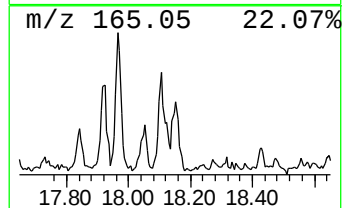
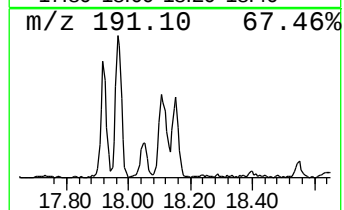
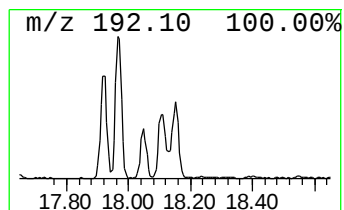
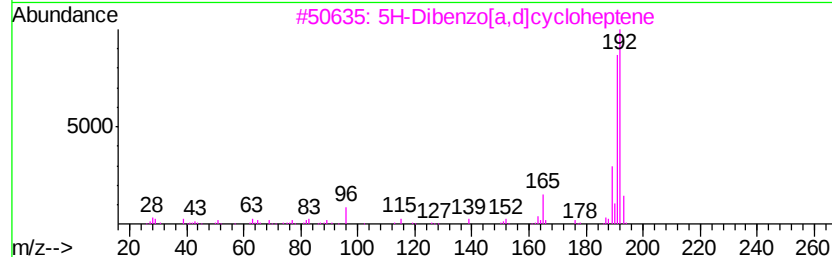
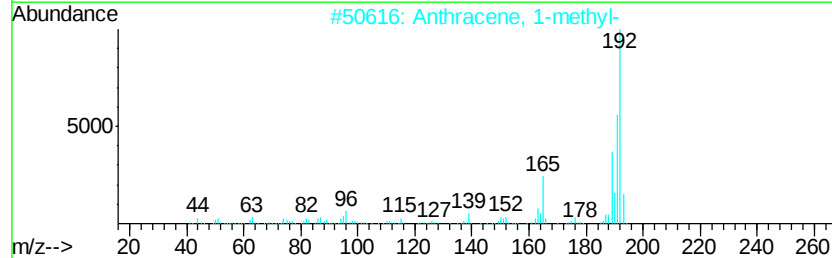
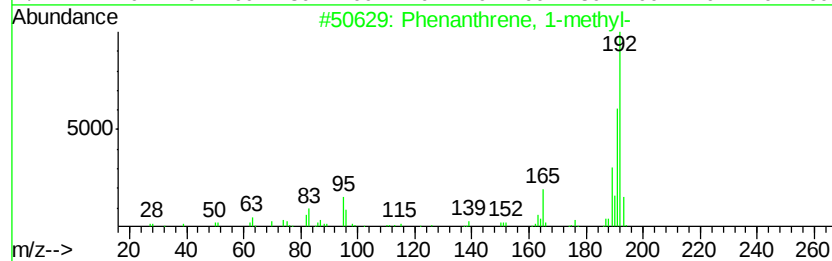
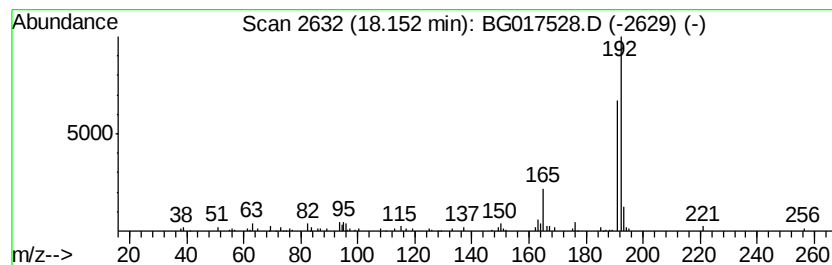
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	6.32 ng	107803	Phenanthrene-d10	17.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
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ClientSampleId :
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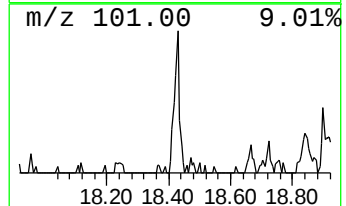
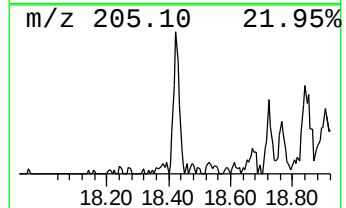
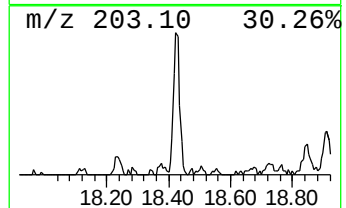
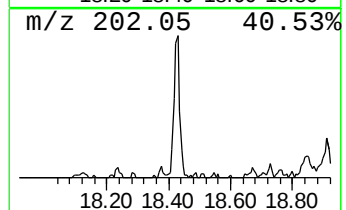
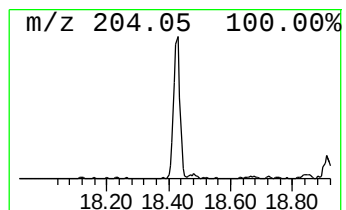
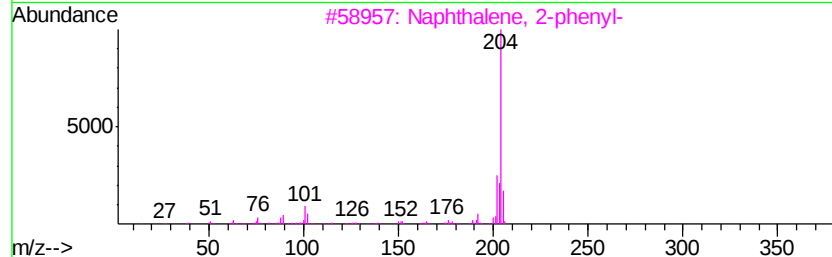
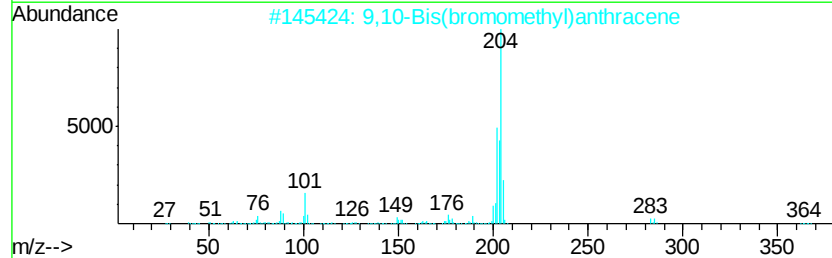
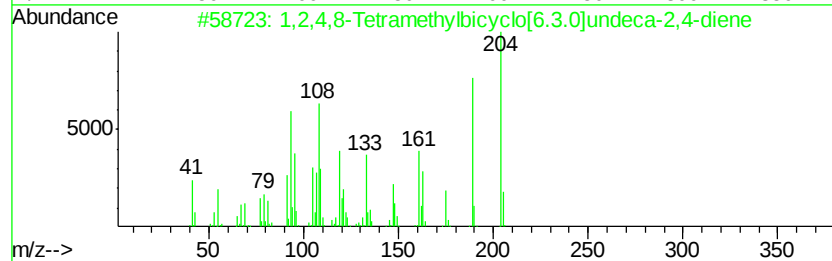
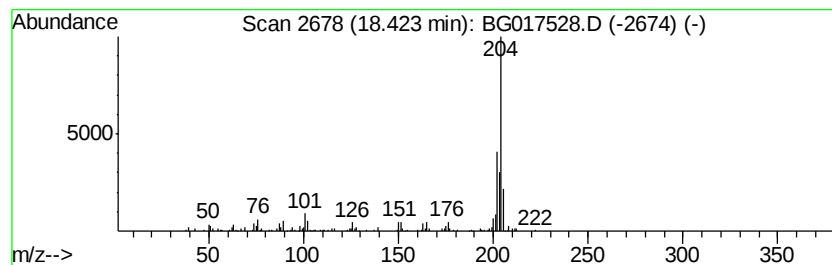
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	6.57 ng	112002	Phenanthrene-d10	17.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	80
2			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	74
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	56



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
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ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId :
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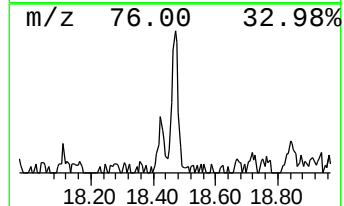
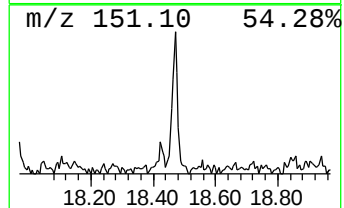
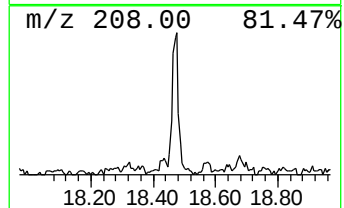
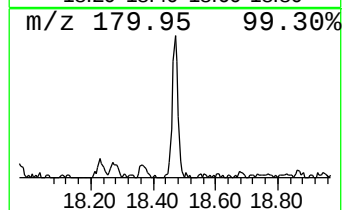
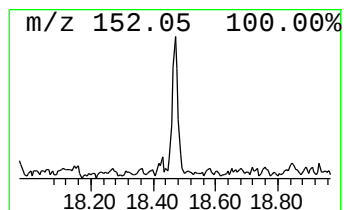
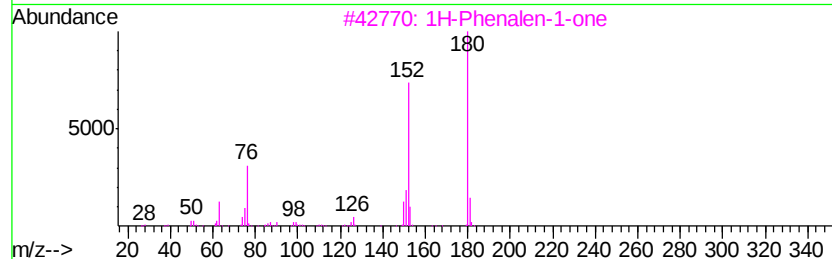
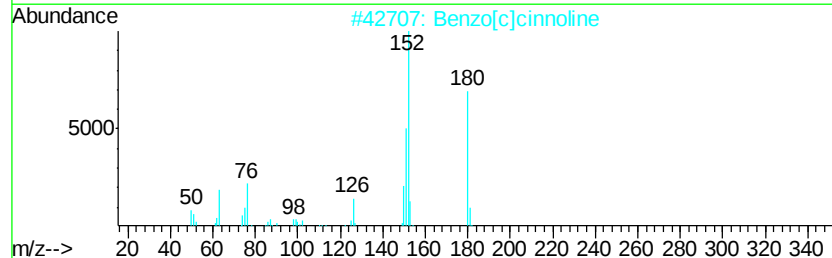
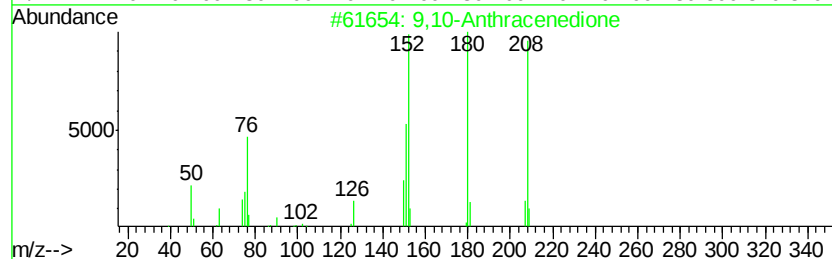
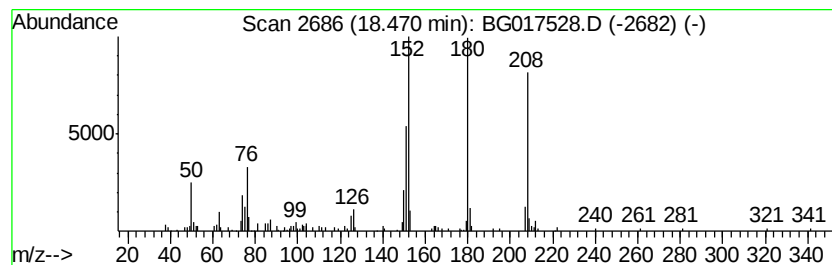
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	5.89 ng	100371	Phenanthrene-d10	17.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4			9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
5			Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
Operator : TP/IZ
Sample : G2457-09 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

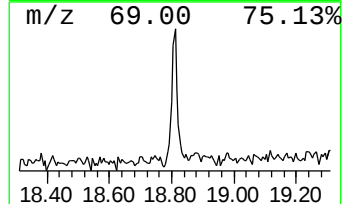
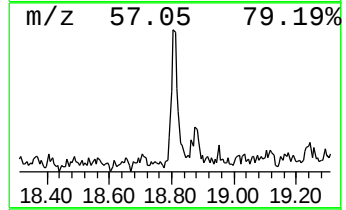
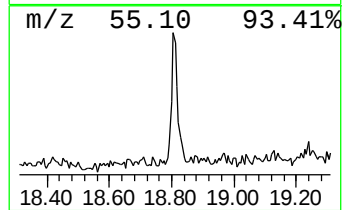
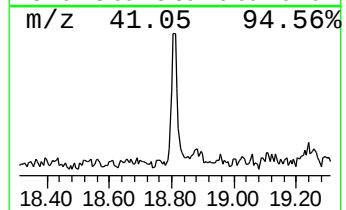
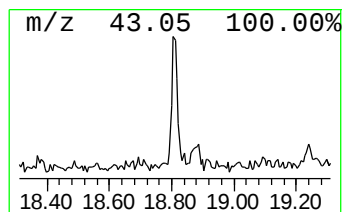
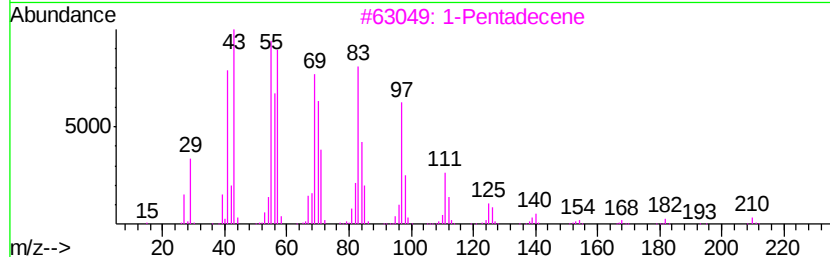
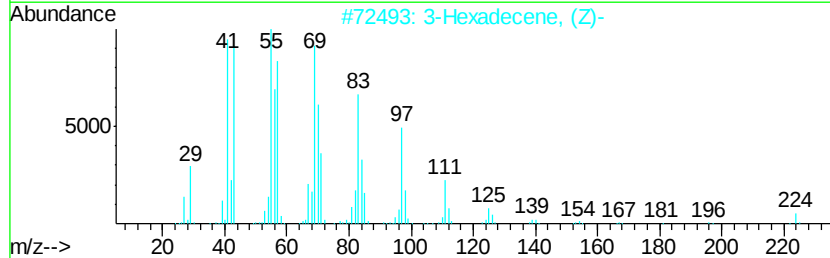
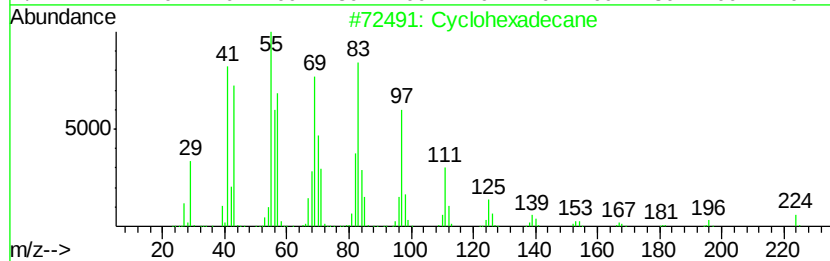
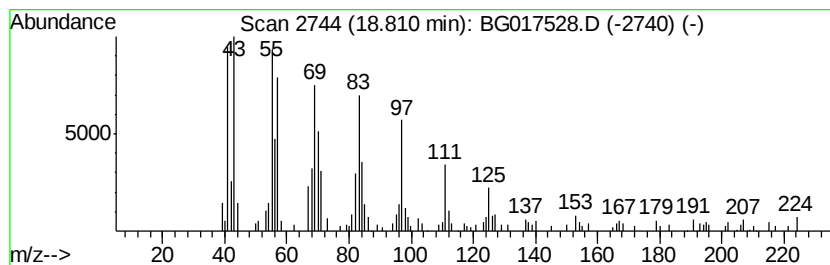
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclohexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.81	5.59 ng	95360	Phenanthrene-d10	17.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	97
2	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	93
3	1-Pentadecene	210	C15H30	013360-61-7	93
4	1-Hexadecene	224	C16H32	000629-73-2	91
5	1-Hexadecanol	242	C16H34O	036653-82-4	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
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Sample : G2457-09 2X
Misc :
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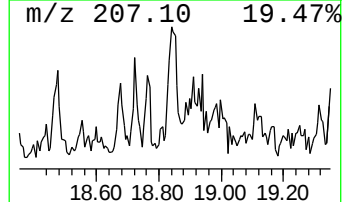
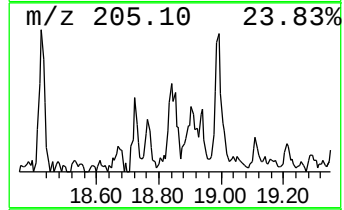
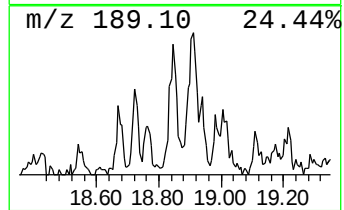
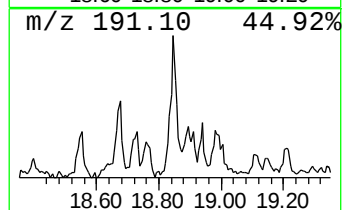
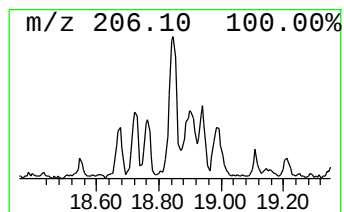
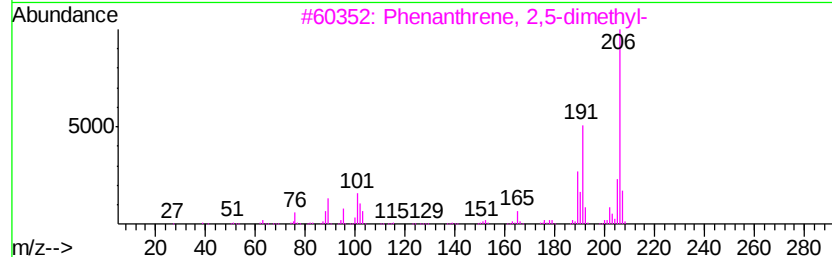
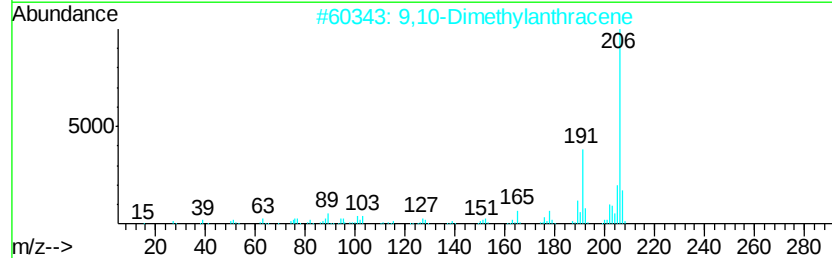
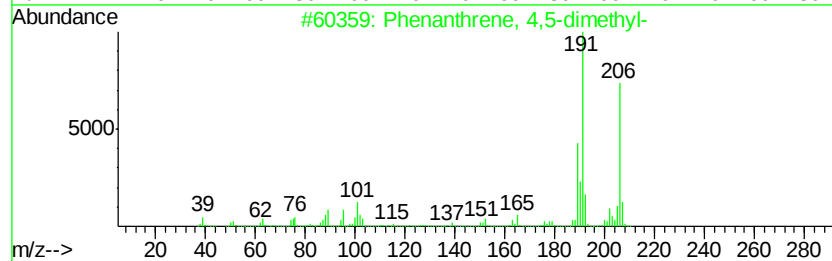
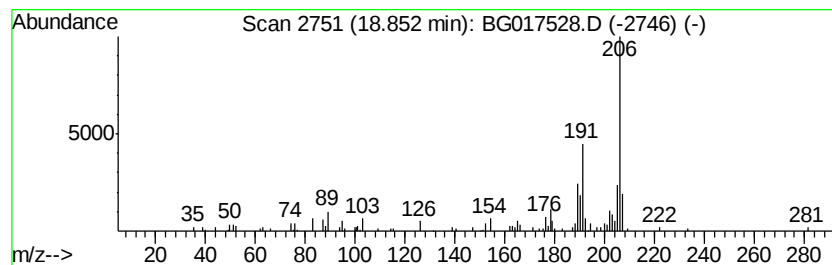
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.85	6.15 ng	104855	Phenanthrene-d10	17.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
Operator : TP/IZ
Sample : G2457-09 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampled :
SP-5

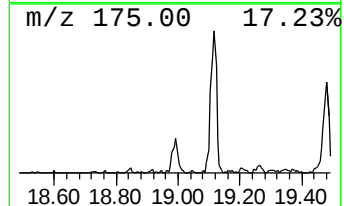
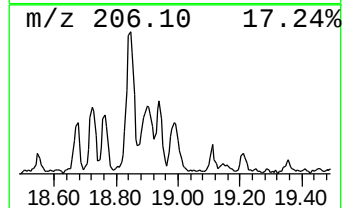
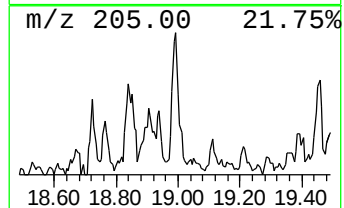
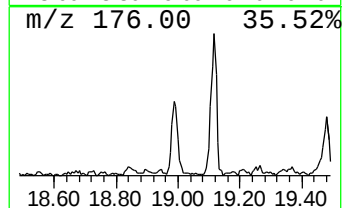
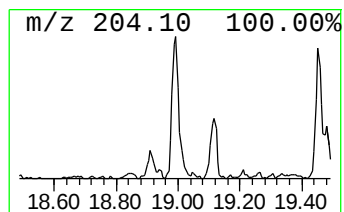
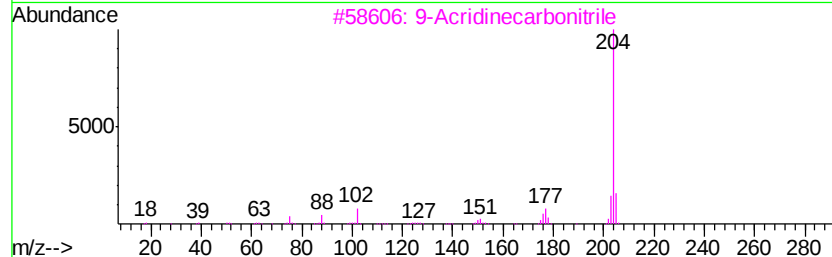
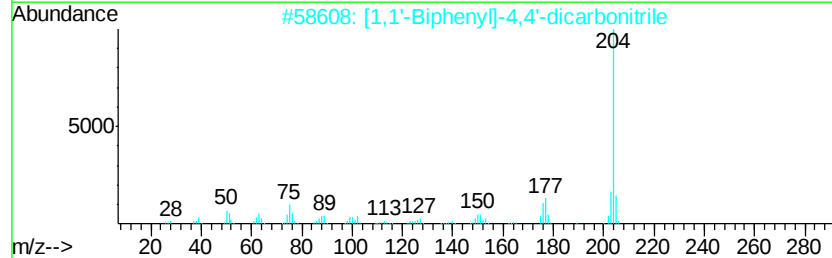
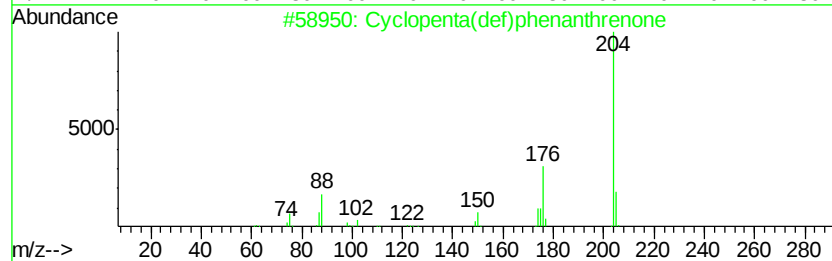
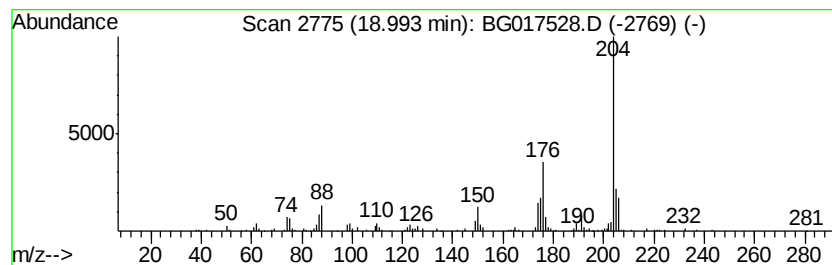
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	8.52 ng	145297	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
4		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	45
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
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Misc :
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Instrument :
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ClientSampleId :
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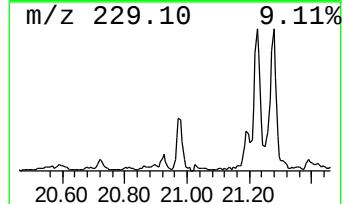
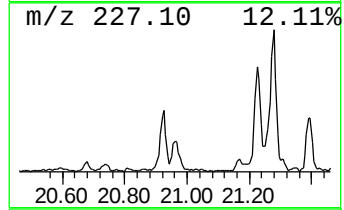
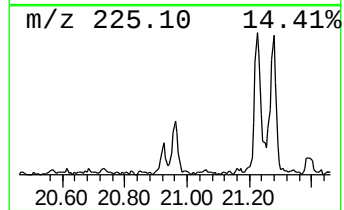
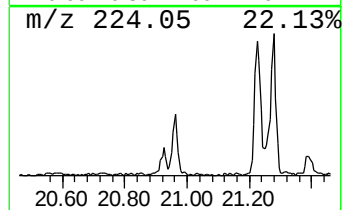
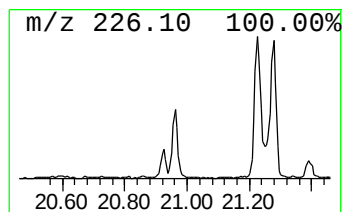
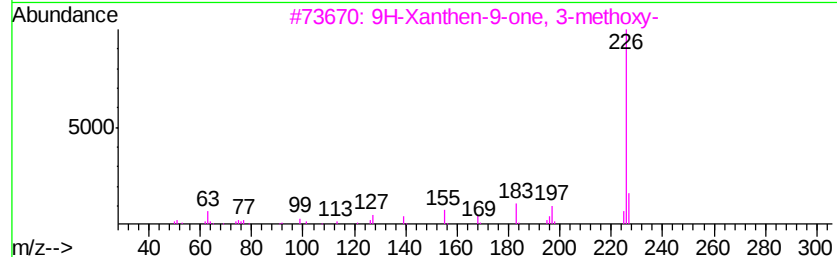
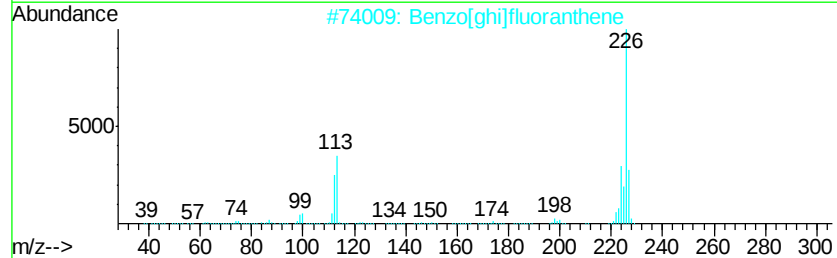
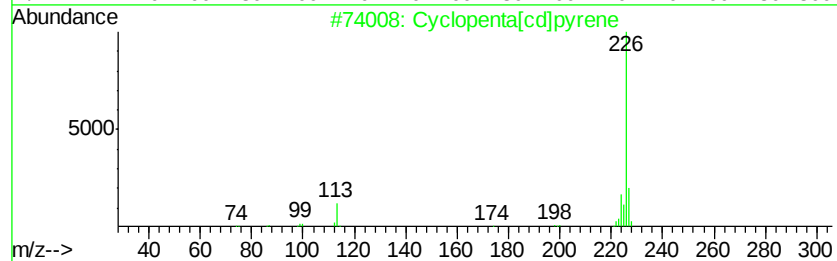
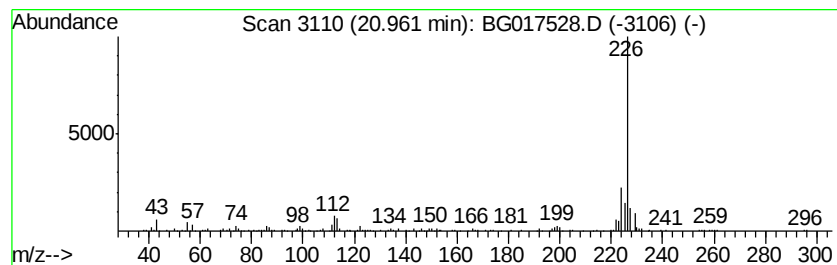
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown20.96 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	3.17 ng	246027	Chrysene-d12	21.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	42
2		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	42
3		9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40
4		2-Furfurylidene-7-hydroxy-1-inda...	226	C14H10O3	1000244-80-4	40
5		1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
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Misc :
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Instrument :
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ClientSampleId :
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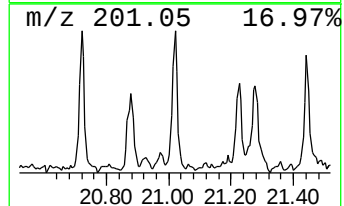
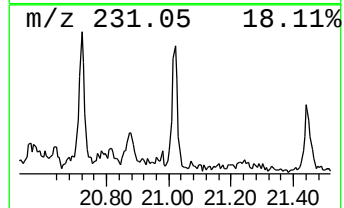
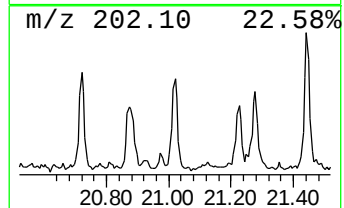
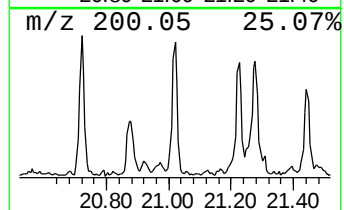
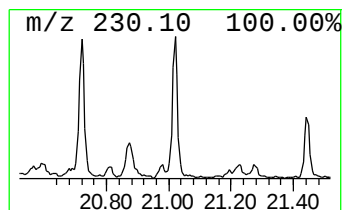
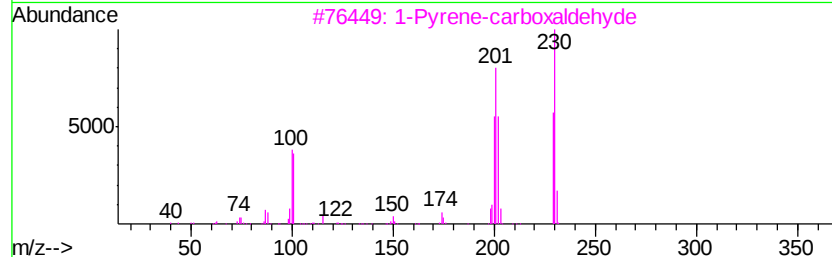
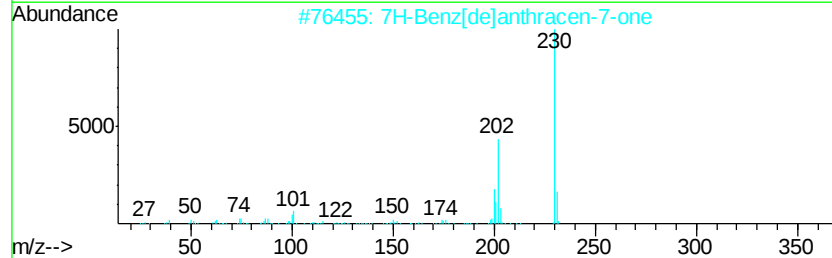
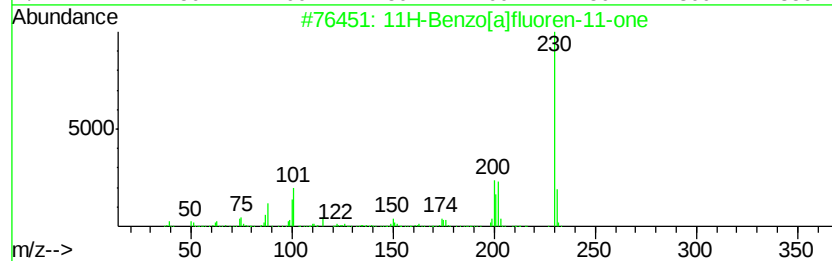
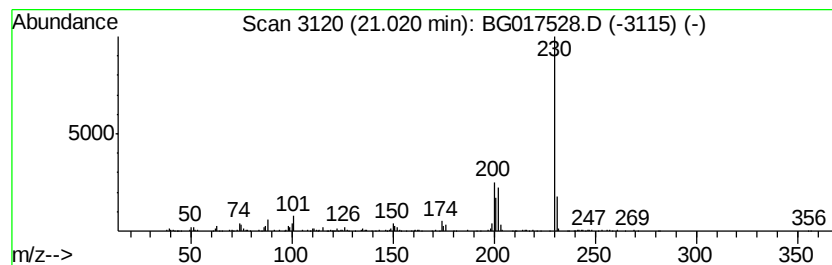
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	3.09 ng	239737	Chrysene-d12	21.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
3		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	56
4		m-Terphenyl	230	C18H14	000092-06-8	50
5		o-Terphenyl	230	C18H14	000084-15-1	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
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Instrument :
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ClientSampleId :
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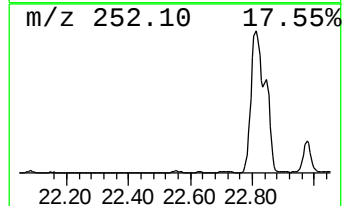
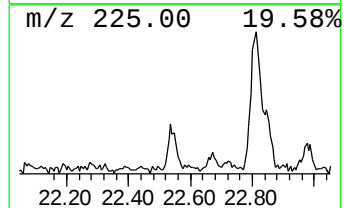
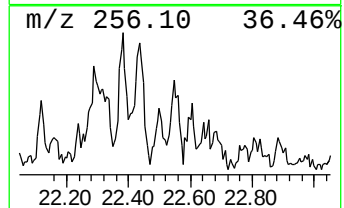
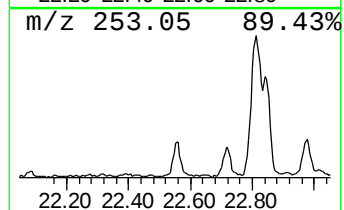
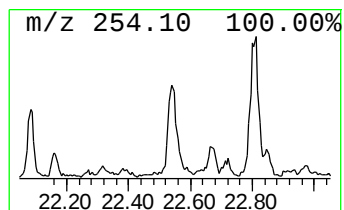
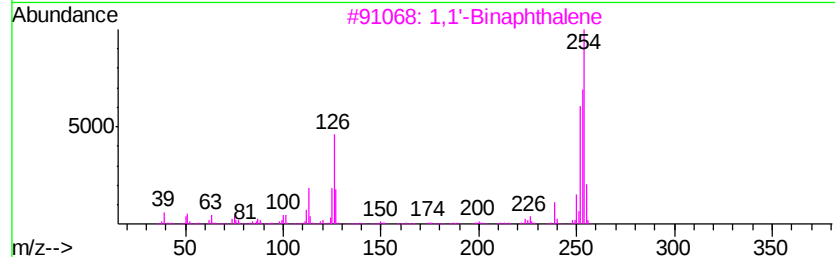
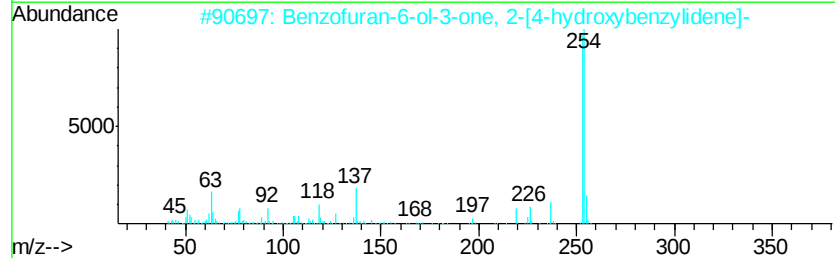
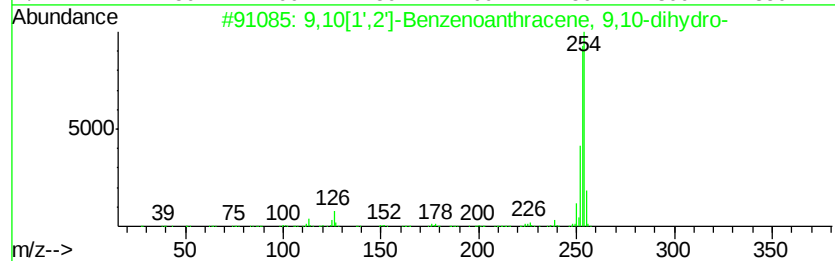
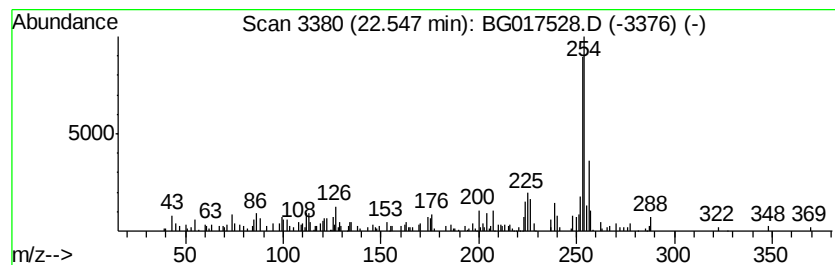
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9,10[1',2']-Benzenoanthracene... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	5.85 ng	121697	Perylene-d12	23.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58
2			Benzofuran-6-ol-3-one, 2-[4-hydr...	254	C15H10O4	1000128-64-9	52
3			1,1'-Binaphthalene	254	C20H14	000604-53-5	52
4			4,6'-Biazulenyl	254	C20H14	094154-49-1	52
5			1,2'-Binaphthalene	254	C20H14	004325-74-0	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
Operator : TP/IZ
Sample : G2457-09 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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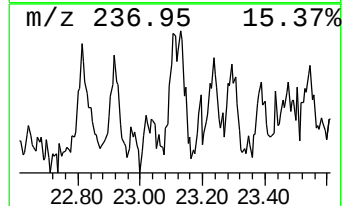
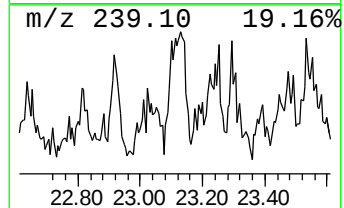
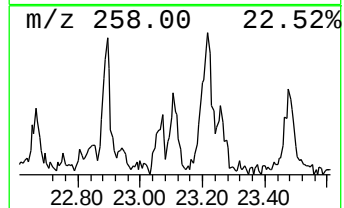
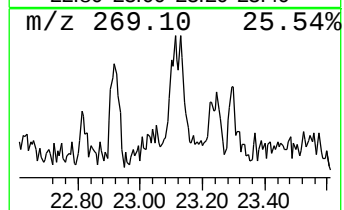
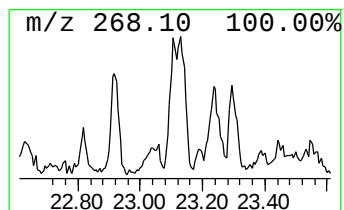
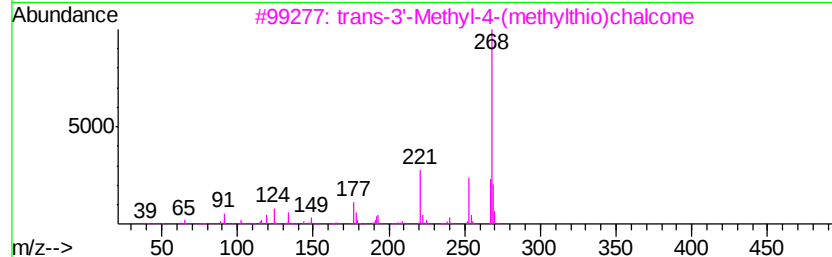
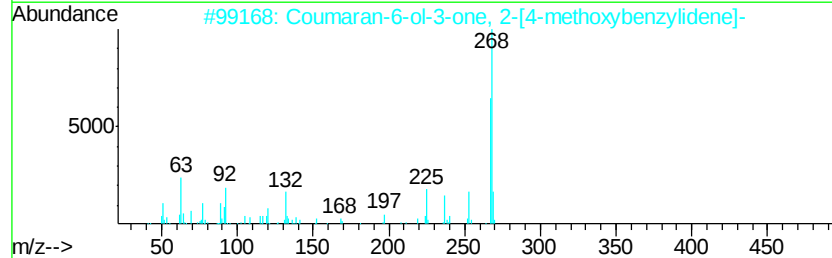
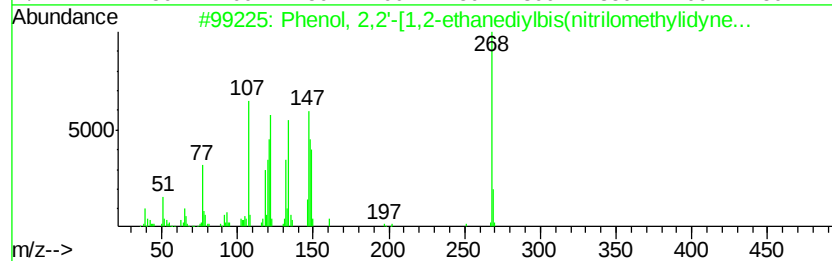
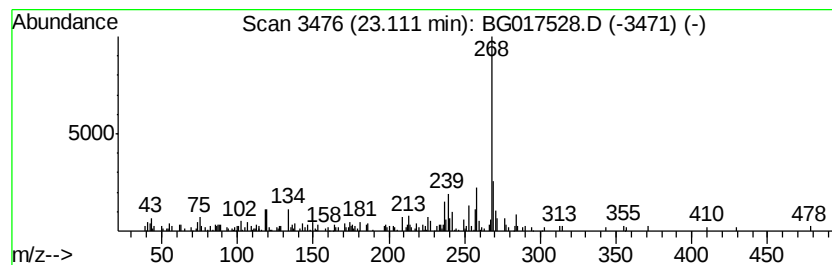
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenol, 2,2'-[1,2-ethanediyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	5.42 ng	112908	Perylene-d12	23.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	87
2		Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	62
3		trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	53
4		1H-Cyclopenta[b]indol-3(2H)-one,...	268	C17H20N2O	339284-85-4	52
5		(5H,10H)Anthracene, 2,3,7,8-bis(...	268	C16H12O4	1000116-12-4	52



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017528.D
 Acq On : 7 Jun 2015 11:05
 Operator : TP/IZ
 Sample : G2457-09 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown2.76	2.76	7.8	ng	54543	1	7.62	139733	20.0
unknown7.17	7.17	65.5	ng	457372	1	7.62	139733	20.0
Dibenzothiophene	16.86	3.8	ng	64931	4	17.04	340956	20.0
Phenanthrene, 1-m...	17.92	9.3	ng	157877	4	17.04	340956	20.0
Phenanthrene, 4-m...	17.96	13.9	ng	237792	4	17.04	340956	20.0
Phenanthrene, 2-m...	18.05	4.0	ng	68942	4	17.04	340956	20.0
4H-Cyclopenta[def...	18.11	16.0	ng	272232	4	17.04	340956	20.0
Anthracene, 1-met...	18.15	6.3	ng	107803	4	17.04	340956	20.0
1,2,4,8-Tetrameth...	18.42	6.6	ng	112002	4	17.04	340956	20.0
9,10-Anthracenedione	18.47	5.9	ng	100371	4	17.04	340956	20.0
Cyclohexadecane	18.81	5.6	ng	95360	4	17.04	340956	20.0
Phenanthrene, 4,5...	18.85	6.2	ng	104855	4	17.04	340956	20.0
Cyclopenta(def)ph...	18.99	8.5	ng	145297	4	17.04	340956	20.0
unknown20.96	20.96	3.2	ng	246027	5	21.24	1552390	20.0
11H-Benzo[a]fluor...	21.02	3.1	ng	239737	5	21.24	1552390	20.0
9,10[1',2']-Benze...	22.55	5.8	ng	121697	6	23.48	416256	20.0
Phenol, 2,2'-[1,2...	23.11	5.4	ng	112908	6	23.48	416256	20.0