

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
 Data File : BG020055.D
 Acq On : 9 Dec 2015 22:32
 Operator : UM/SJ
 Sample : G4698-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KENT-PIT-1

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-BG120215.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	3.214	60	64	70	rBV	92641	126022	1.66%	0.154%
2	5.188	393	400	406	rVB	50462	77338	1.02%	0.094%
3	5.658	473	480	486	rBV	122720	198122	2.60%	0.242%
4	7.256	744	752	761	rBV	85737	148810	1.95%	0.182%
5	7.638	807	817	826	rBV	247958	415220	5.45%	0.507%
6	8.108	891	897	904	rBV	84932	142226	1.87%	0.174%
7	8.437	946	953	960	rBV	314302	537242	7.06%	0.656%
8	9.277	1086	1096	1103	rBV	289292	506351	6.65%	0.619%
9	10.928	1370	1377	1382	rBV	124506	219678	2.89%	0.268%
10	13.367	1784	1792	1801	rVB	816231	1280792	16.82%	1.565%
11	14.465	1972	1979	1991	rBV	169387	358435	4.71%	0.438%
12	14.736	2018	2025	2031	rBV2	190161	313942	4.12%	0.384%
13	14.800	2031	2036	2042	rVB	99435	148941	1.96%	0.182%
14	15.129	2086	2092	2099	rBV	66238	108033	1.42%	0.132%
15	15.781	2197	2203	2212	rVB	85357	162434	2.13%	0.198%
16	16.222	2269	2278	2285	rVB	464767	749099	9.84%	0.915%
17	16.451	2308	2317	2325	rBV5	76238	162458	2.13%	0.198%
18	17.009	2404	2412	2416	rBV2	62661	119232	1.57%	0.146%
19	17.133	2429	2433	2440	rVB3	43971	76762	1.01%	0.094%
20	17.209	2440	2446	2451	rVV3	67077	144437	1.90%	0.176%
21	17.256	2451	2454	2458	rVV	73955	117273	1.54%	0.143%
22	17.479	2486	2492	2496	rBV2	255358	422429	5.55%	0.516%
23	17.521	2496	2499	2505	rVV2	247261	392082	5.15%	0.479%
24	17.615	2507	2515	2519	rVV	205467	330684	4.34%	0.404%
25	17.673	2519	2525	2530	rVB3	72238	152274	2.00%	0.186%
26	17.844	2549	2554	2556	rBV2	55209	100269	1.32%	0.123%
27	17.873	2557	2559	2563	rVV	67370	108062	1.42%	0.132%
28	17.967	2571	2575	2577	rVV2	71453	105610	1.39%	0.129%
29	17.996	2577	2580	2583	rVV	75622	98263	1.29%	0.120%
30	18.038	2583	2587	2596	rVB2	87826	176827	2.32%	0.216%
31	18.132	2597	2603	2607	rBV3	64133	142594	1.87%	0.174%
32	18.355	2637	2641	2645	rVV2	117617	155925	2.05%	0.191%
33	18.402	2645	2649	2656	rVB	165259	269521	3.54%	0.329%
34	18.484	2656	2663	2668	rBV2	205462	335782	4.41%	0.410%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.555	2668	2675	2679	rBV3	516457	1002167	13.16%	1.224%
36	18.655	2685	2692	2696	rBV7	75853	140087	1.84%	0.171%
37	18.737	2702	2706	2712	rBV3	67123	107042	1.41%	0.131%
38	18.848	2720	2725	2729	rBV2	250834	339693	4.46%	0.415%
39	18.895	2729	2733	2736	rBV	68234	87126	1.14%	0.106%
40	19.177	2778	2781	2785	rBV	85577	107497	1.41%	0.131%
41	19.260	2790	2795	2802	rBV3	229432	529537	6.96%	0.647%
42	19.330	2803	2807	2809	rBV2	95424	131738	1.73%	0.161%
43	19.412	2816	2821	2828	rVB2	355417	648899	8.52%	0.793%
44	19.548	2834	2844	2848	rBV	3516863	6348211	83.39%	7.756%
45	19.589	2848	2851	2854	rVV2	76955	93102	1.22%	0.114%
46	19.624	2854	2857	2862	rVB	206855	282515	3.71%	0.345%
47	19.677	2862	2866	2870	rBV	242159	330872	4.35%	0.404%
48	19.771	2877	2882	2886	rBV2	175610	303684	3.99%	0.371%
49	19.906	2892	2905	2910	rBV2	3657439	7612990	100.00%	9.301%
50	19.959	2910	2914	2921	rVB3	273946	468285	6.15%	0.572%
51	20.082	2921	2935	2939	rBV2	1416078	2504320	32.90%	3.060%
52	20.135	2939	2944	2950	rVB	295814	520878	6.84%	0.636%
53	20.217	2950	2958	2964	rBV2	398781	1043506	13.71%	1.275%
54	20.347	2974	2980	2981	rBV2	334520	549728	7.22%	0.672%
55	20.382	2982	2986	2991	rVB	826707	1208275	15.87%	1.476%
56	20.435	2991	2995	2996	rBV3	63502	84277	1.11%	0.103%
57	20.482	2998	3003	3006	rVV	440596	627986	8.25%	0.767%
58	20.541	3006	3013	3017	rVB2	492523	995002	13.07%	1.216%
59	20.617	3022	3026	3031	rBV3	109000	197349	2.59%	0.241%
60	20.676	3032	3036	3040	rBV	307218	445543	5.85%	0.544%
61	20.723	3040	3044	3054	rVB3	335786	587450	7.72%	0.718%
62	20.805	3055	3058	3060	rBV3	76439	108141	1.42%	0.132%
63	20.875	3067	3070	3075	rVB3	99531	147174	1.93%	0.180%
64	20.934	3076	3080	3082	rBV3	70471	120537	1.58%	0.147%
65	20.969	3083	3086	3089	rVV5	81923	119729	1.57%	0.146%
66	21.099	3104	3108	3111	rBV2	100970	159632	2.10%	0.195%
67	21.146	3111	3116	3123	rVB	451090	697959	9.17%	0.853%
68	21.334	3141	3148	3151	rBV2	372801	754157	9.91%	0.921%
69	21.381	3151	3156	3160	rVV	539271	902942	11.86%	1.103%
70	21.428	3160	3164	3169	rVV2	515665	903846	11.87%	1.104%
71	21.492	3169	3175	3186	rVB2	472648	985300	12.94%	1.204%

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72	21.616	3188	3196	3207	rBV2	127515	436180	5.73%	0.533%
73	21.757	3208	3220	3225	rBV3	2587406	5986668	78.64%	7.314%
74	21.821	3226	3231	3242	rVB	2055092	3959330	52.01%	4.837%
75	21.968	3251	3256	3262	rBV	409592	630374	8.28%	0.770%
76	22.033	3263	3267	3272	rBV2	158662	263323	3.46%	0.322%
77	22.174	3285	3291	3298	rBV2	322589	710253	9.33%	0.868%
78	22.239	3299	3302	3307	rVB5	104942	171601	2.25%	0.210%
79	22.427	3329	3334	3338	rBV2	167443	284401	3.74%	0.347%
80	22.503	3339	3347	3353	rVV	458496	1115240	14.65%	1.363%
81	22.579	3355	3360	3366	rVB	248486	483219	6.35%	0.590%
82	22.673	3372	3376	3379	rBV2	71201	117181	1.54%	0.143%
83	22.720	3380	3384	3389	rVB2	143696	263221	3.46%	0.322%
84	22.785	3390	3395	3399	rBV	206469	391352	5.14%	0.478%
85	22.926	3413	3419	3426	rBV3	143779	320043	4.20%	0.391%
86	23.202	3461	3466	3472	rBV3	93812	242033	3.18%	0.296%
87	23.637	3531	3540	3555	rVB4	187063	685513	9.00%	0.838%
88	24.042	3595	3609	3615	rBV2	1523806	5868554	77.09%	7.170%
89	24.283	3641	3650	3658	rBV	445533	1079626	14.18%	1.319%
90	24.483	3678	3684	3688	rBV3	110511	283232	3.72%	0.346%
91	24.771	3723	3733	3746	rVB	870839	2982267	39.17%	3.644%
92	24.941	3748	3762	3771	rVB	1515381	4732104	62.16%	5.782%
93	25.059	3775	3782	3788	rVV	185464	554653	7.29%	0.678%
94	25.147	3789	3797	3810	rVB2	488393	1639983	21.54%	2.004%
95	28.866	4411	4430	4448	rVB2	607805	3516832	46.20%	4.297%
96	29.036	4454	4459	4461	rBV5	47325	78345	1.03%	0.096%
97	29.307	4493	4505	4519	rBV2	137631	647446	8.50%	0.791%
98	29.465	4522	4532	4545	rVB	118171	508316	6.68%	0.621%
99	30.041	4612	4630	4646	rVB	399089	2018418	26.51%	2.466%
100	30.652	4720	4734	4748	rVB3	165412	777031	10.21%	0.949%

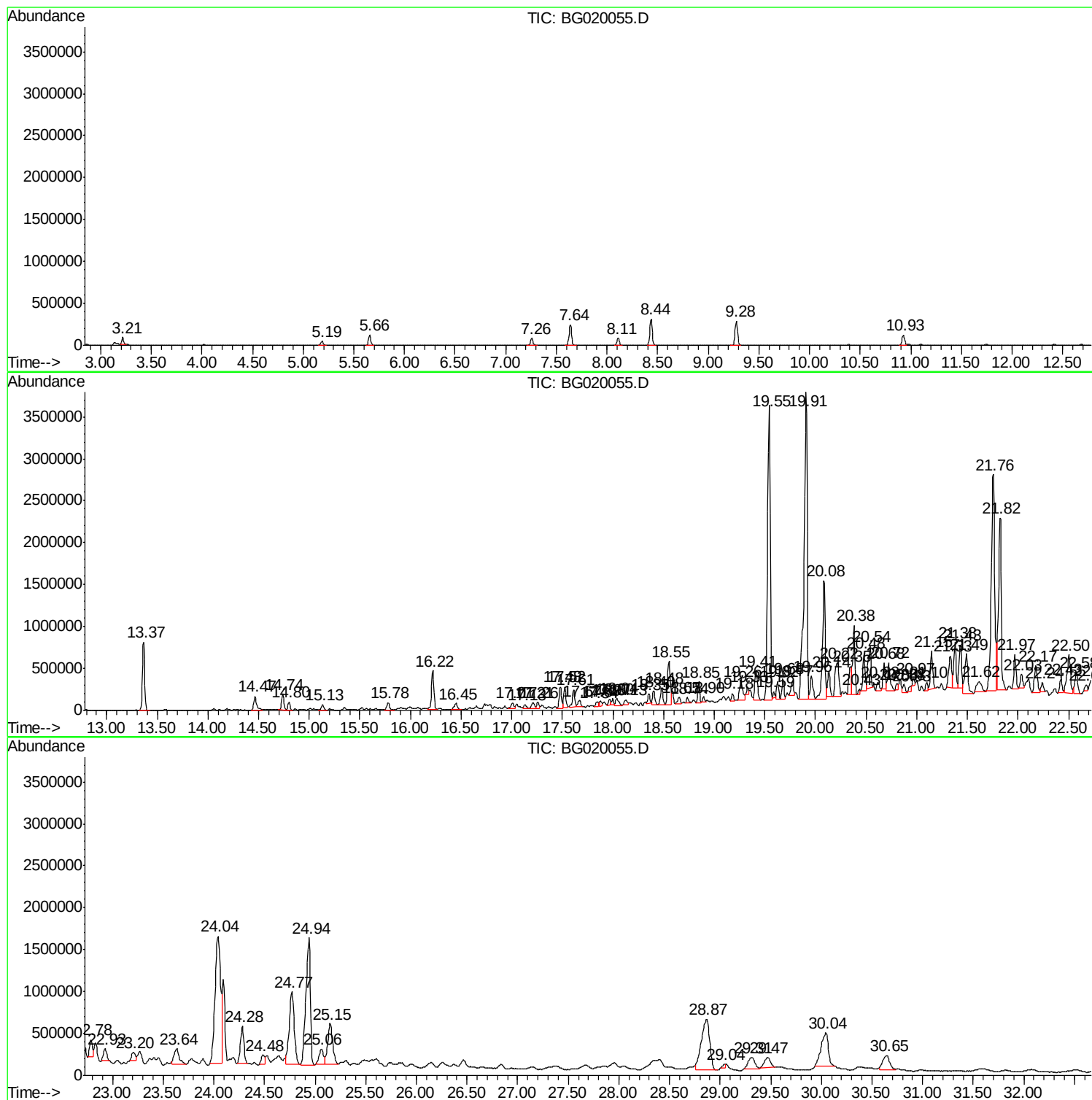
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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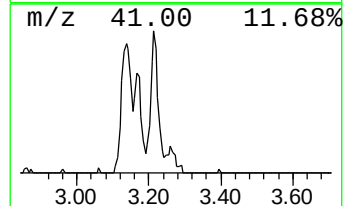
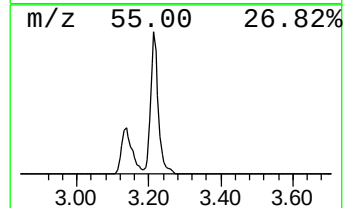
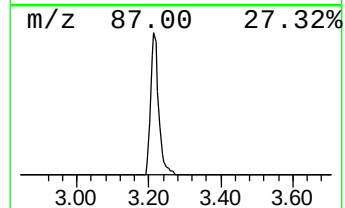
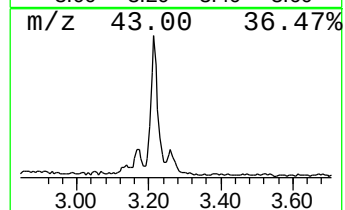
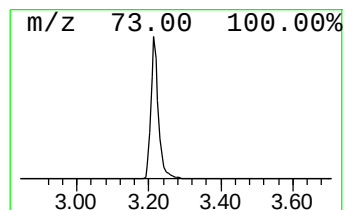
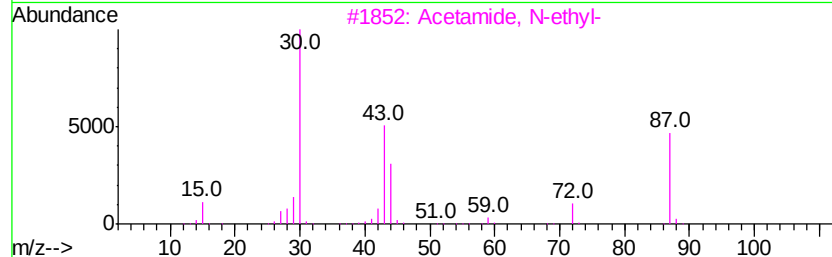
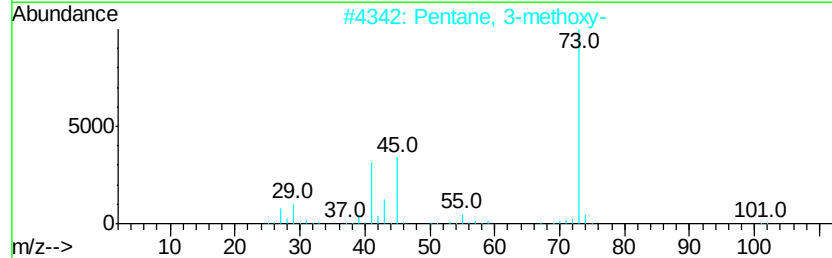
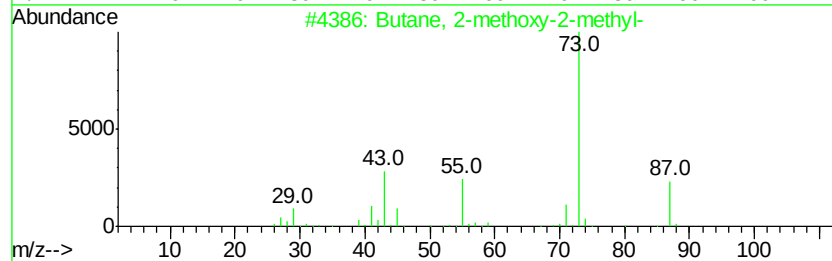
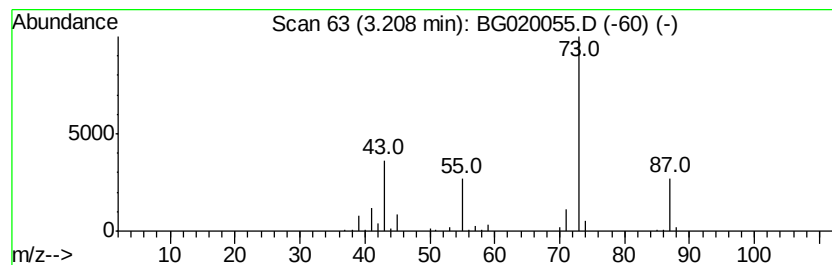
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	17.72 ng	126022	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5		N-Ethylformamide	73	C3H7NO	000627-45-2	9



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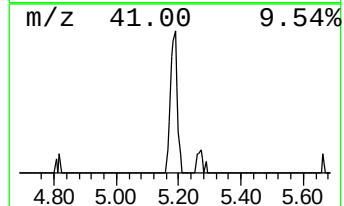
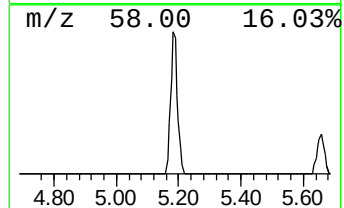
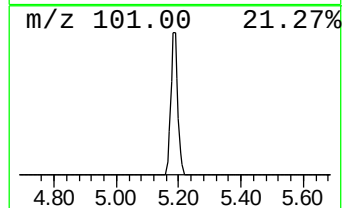
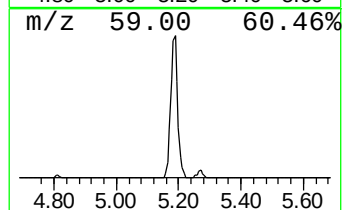
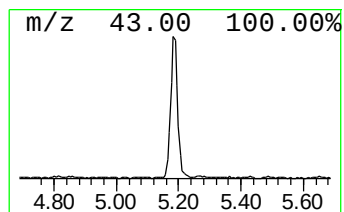
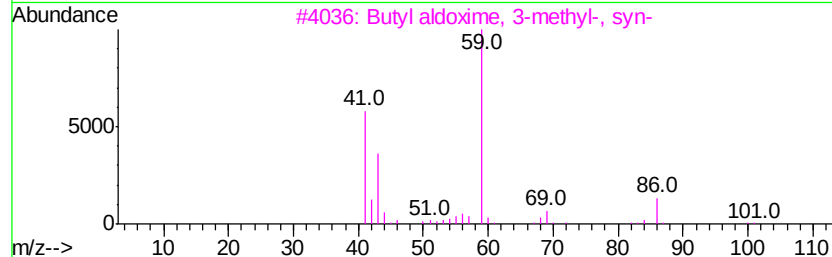
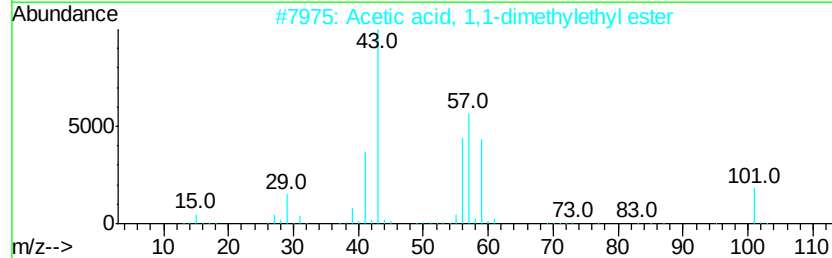
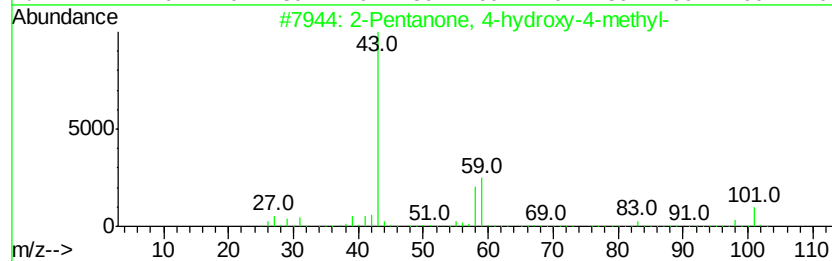
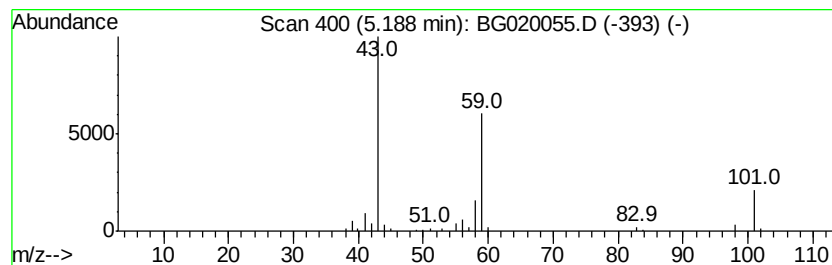
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	10.88 ng	77338	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	45
3		Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	35
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
5		3-Hexanol	102	C6H14O	000623-37-0	25



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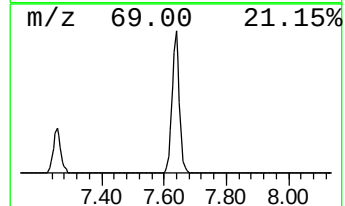
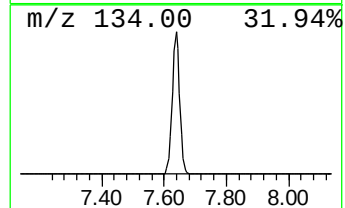
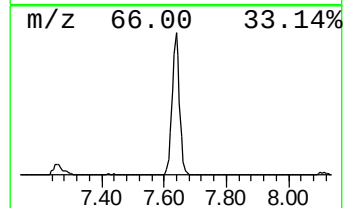
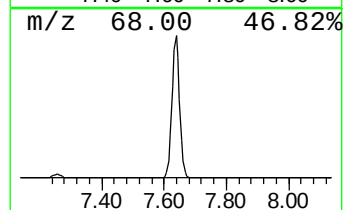
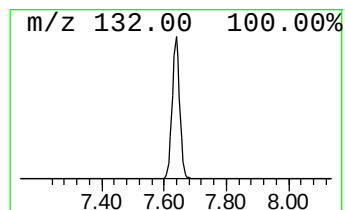
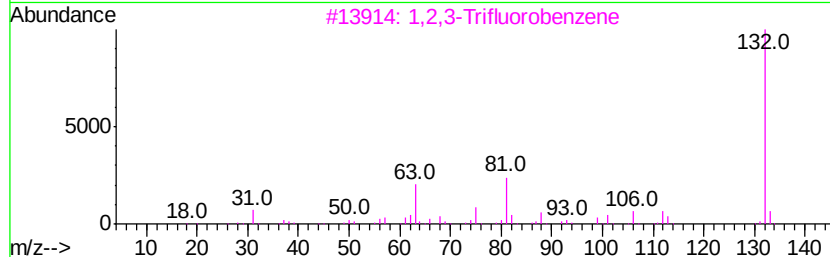
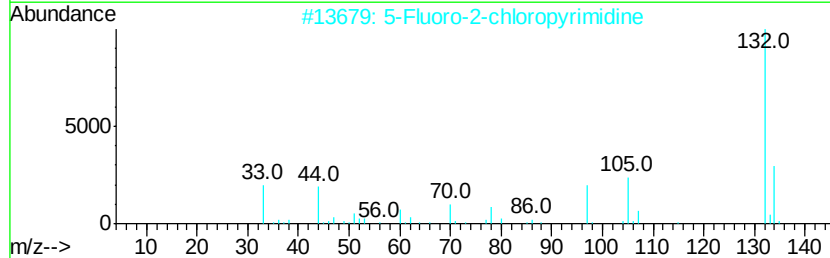
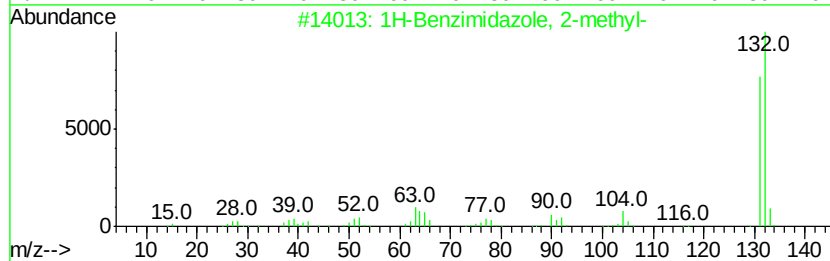
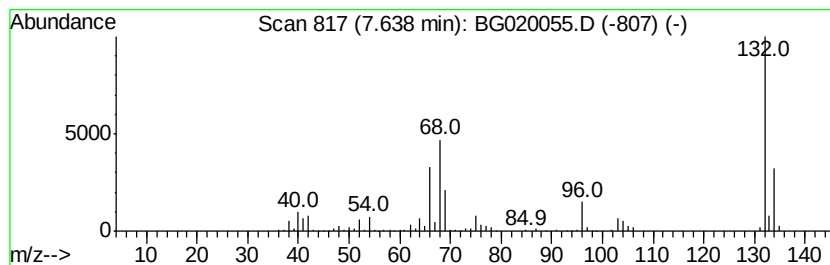
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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.64 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	58.39 ng	415220	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	10
4		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
KENT-PIT-1

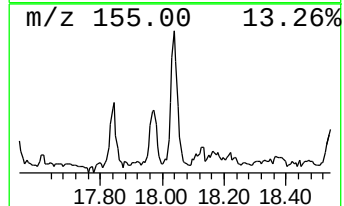
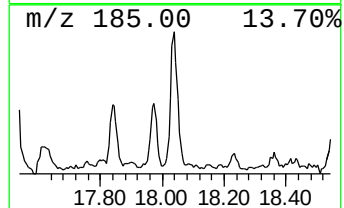
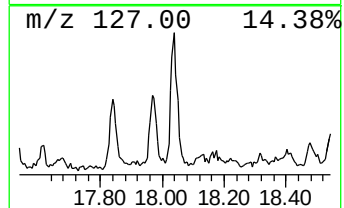
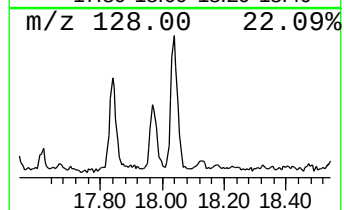
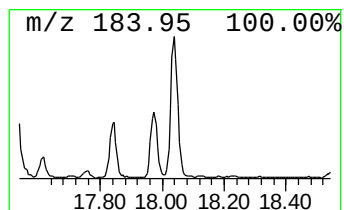
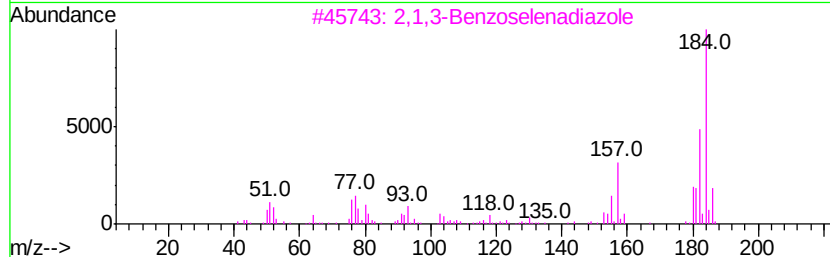
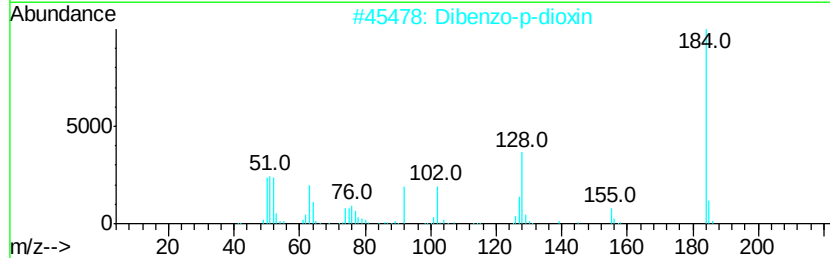
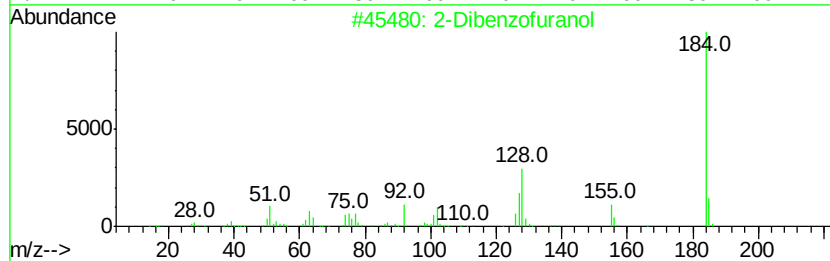
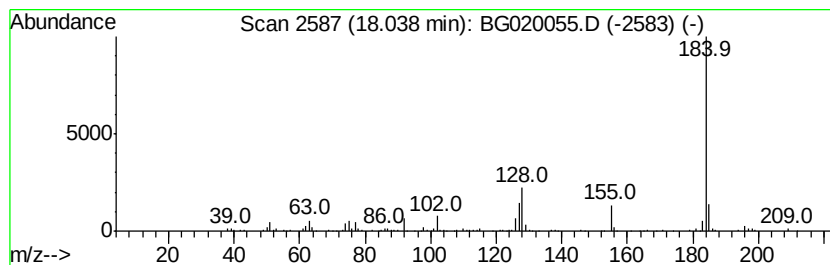
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Dibenzofuranol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	8.37 ng	176827	Phenanthrene-d10	17.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
2		Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	90
3		2,1,3-Benzoselenadiazole	184	C6H4N2Se	000273-15-4	59
4		6-Methoxy-5-quinolinecarbonitrile	184	C11H8N2O	087299-97-6	59
5		Phenol, pentafluoro-	184	C6HF5O	000771-61-9	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
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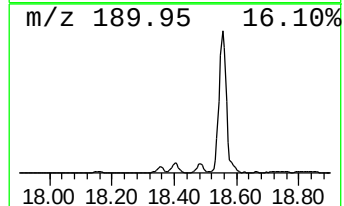
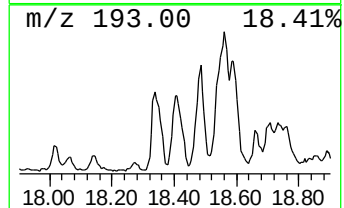
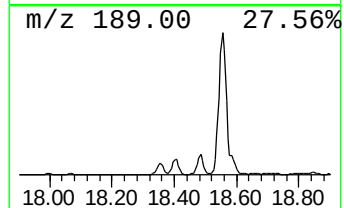
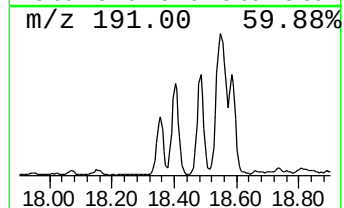
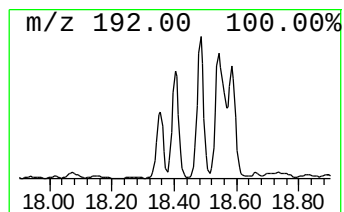
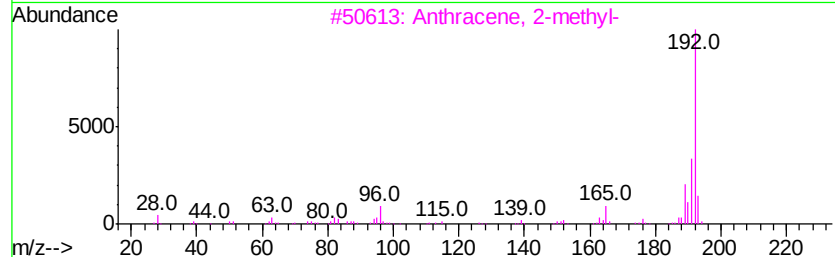
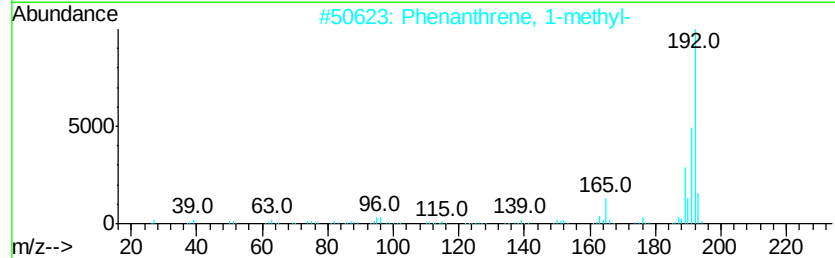
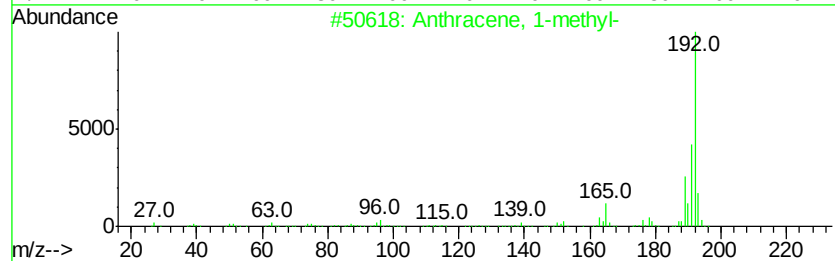
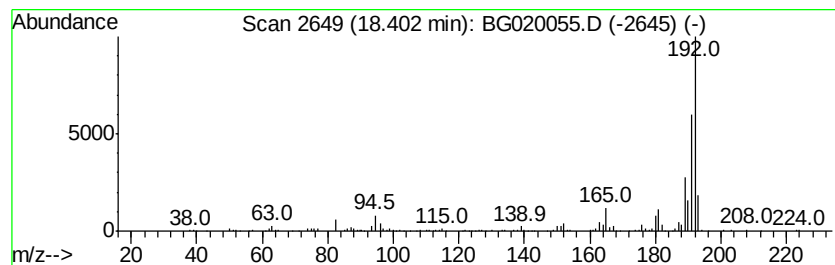
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.40	12.76 ng	269521	Phenanthrene-d10	17.48		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
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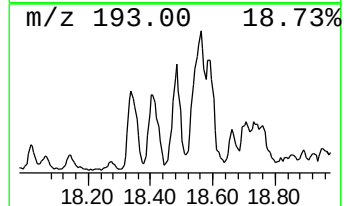
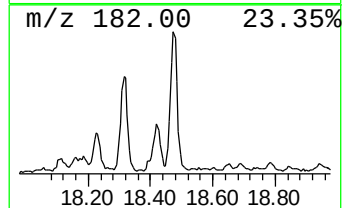
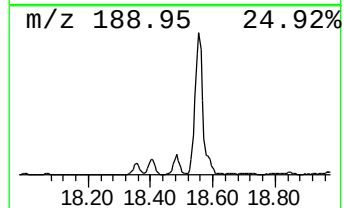
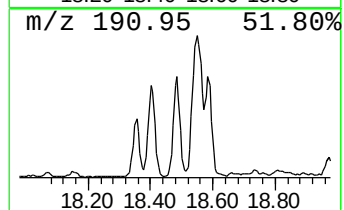
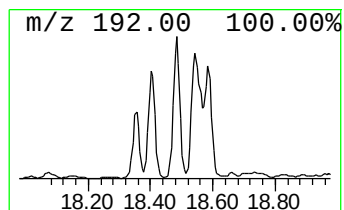
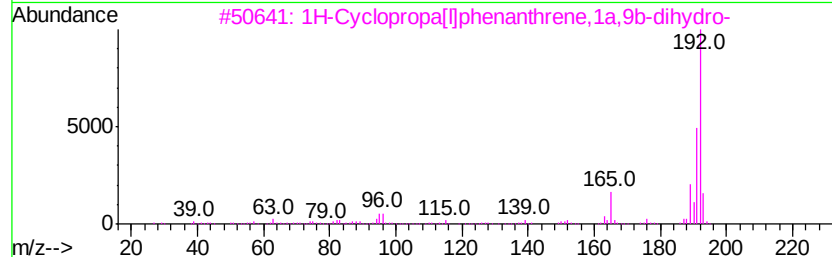
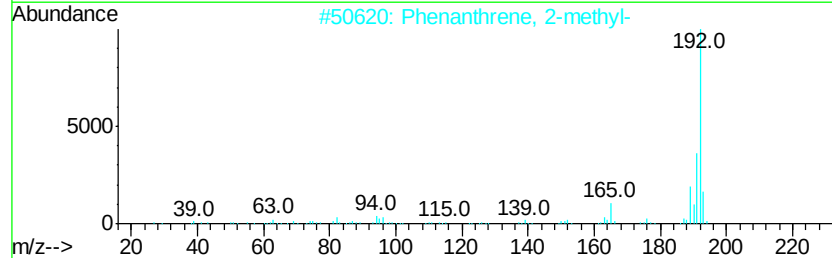
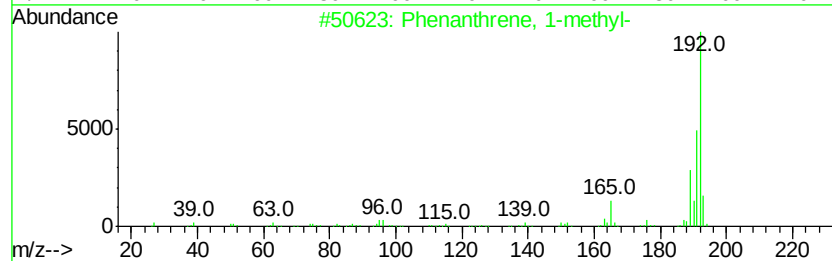
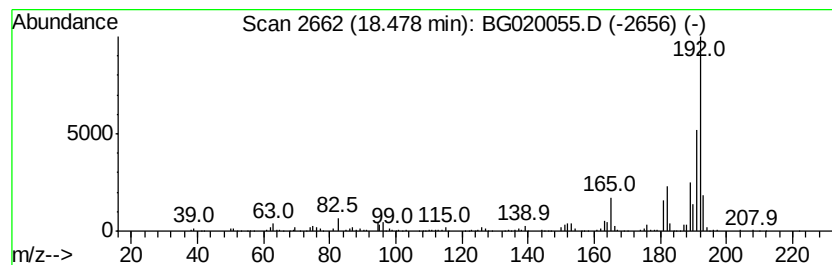
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.48	15.90 ng	335782	Phenanthrene-d10	17.48	
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	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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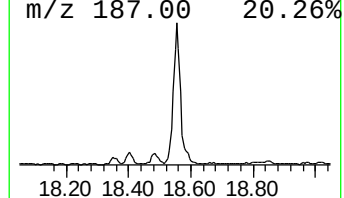
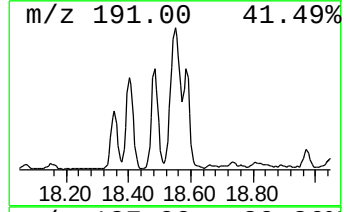
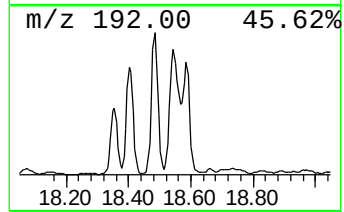
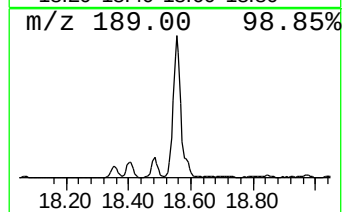
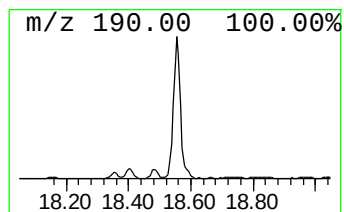
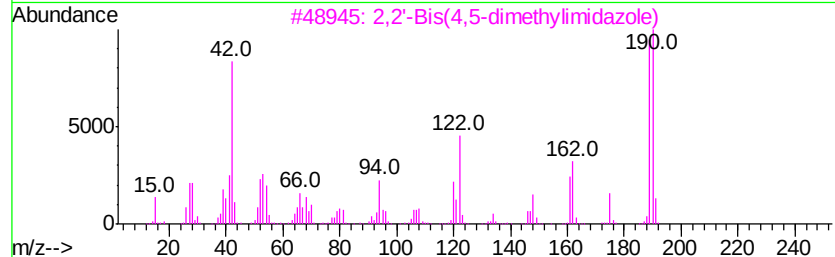
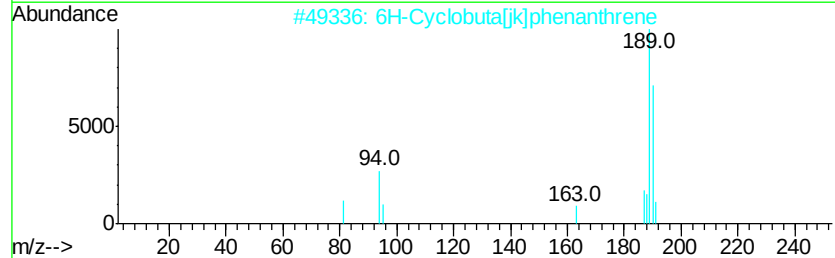
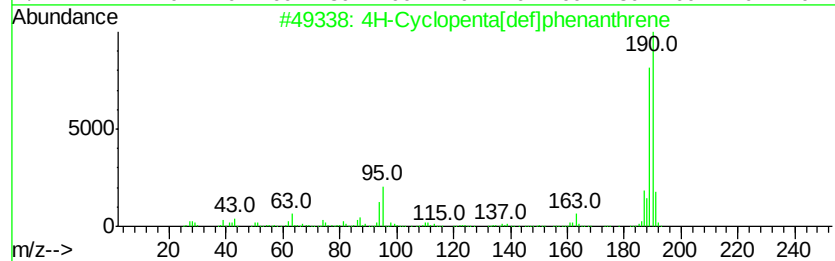
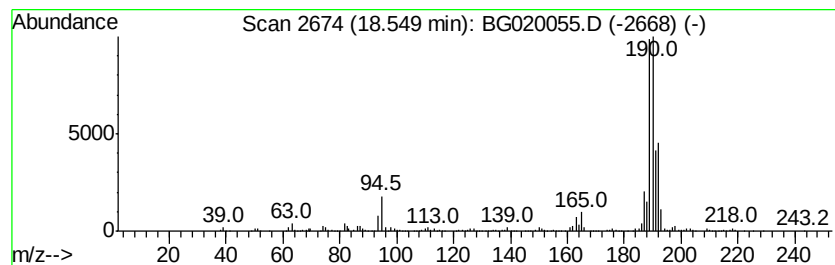
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	47.45 ng	1002170	Phenanthrene-d10	17.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	30
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
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Misc :
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Instrument :
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ClientSampleId :
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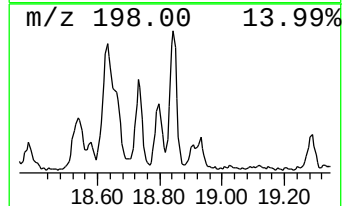
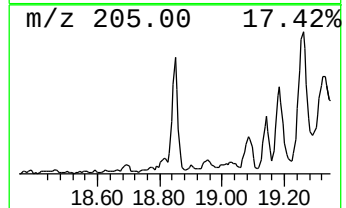
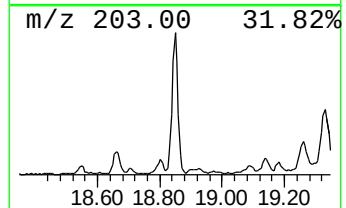
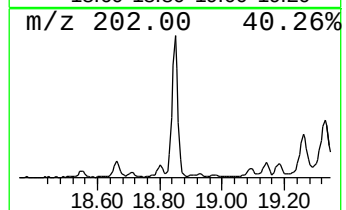
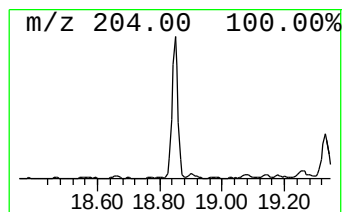
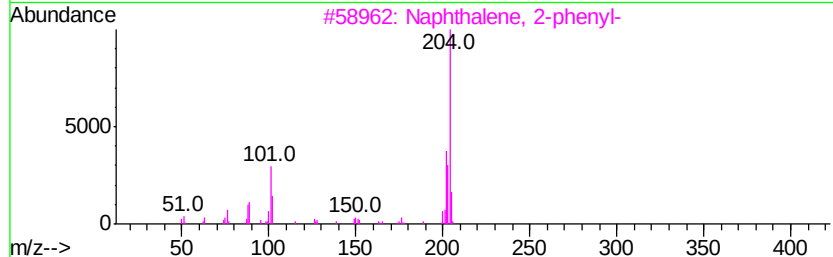
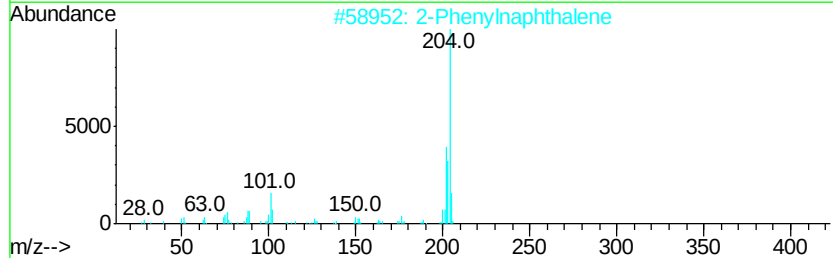
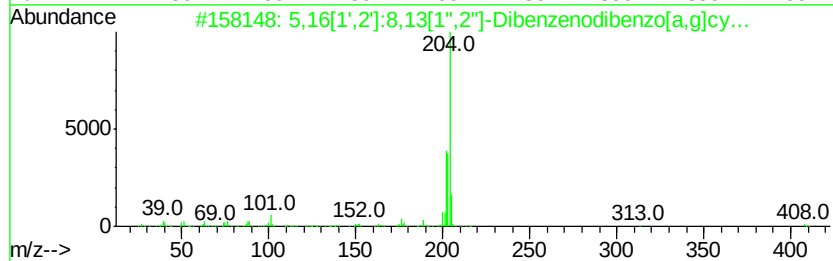
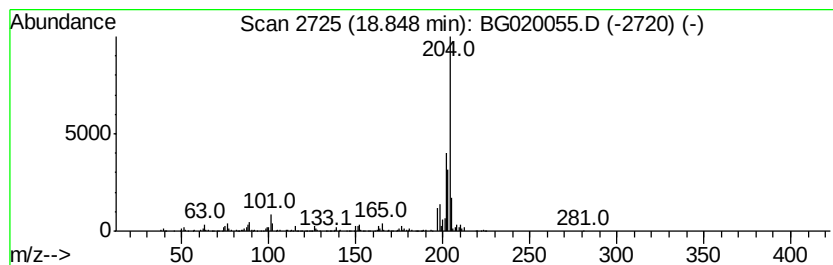
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	16.08 ng	339693	Phenanthrene-d10	17.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	78
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
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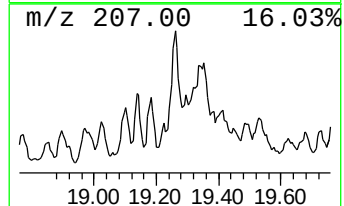
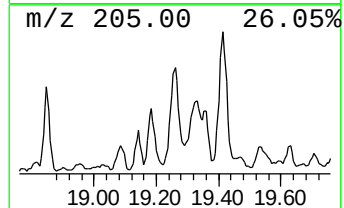
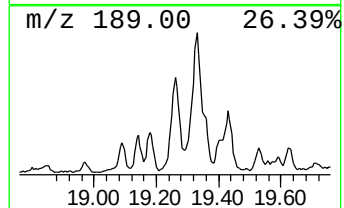
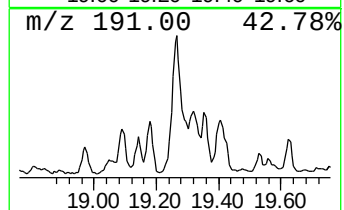
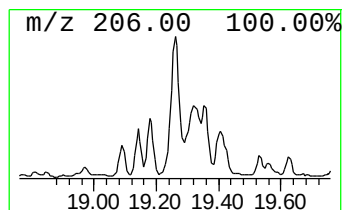
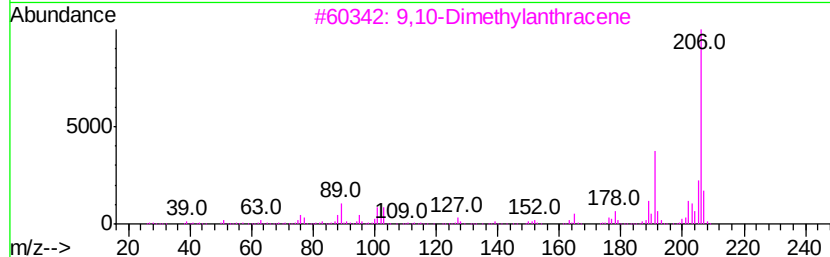
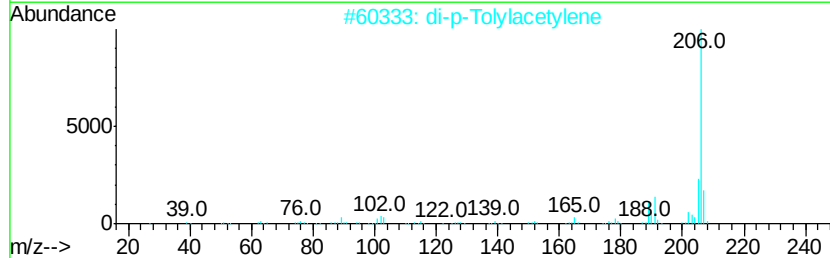
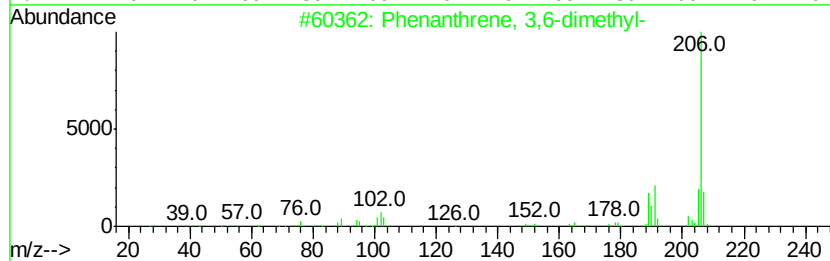
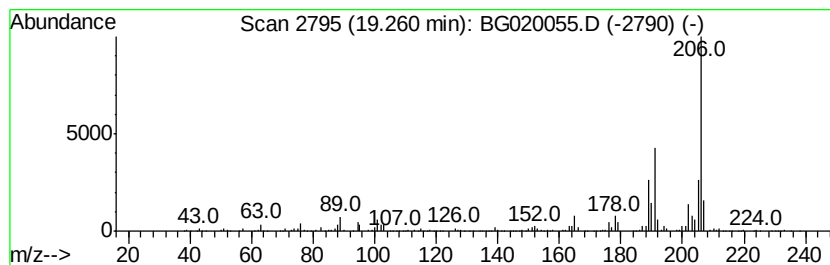
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	25.07 ng	529537	Phenanthrene-d10	17.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
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Sample : G4698-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampled :
KENT-PIT-1

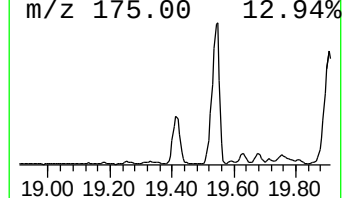
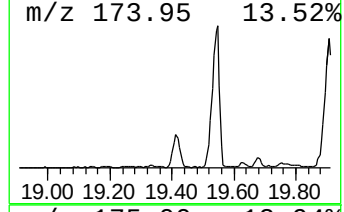
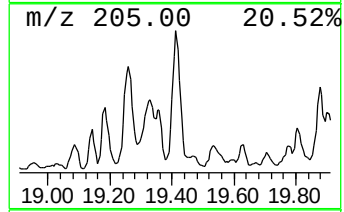
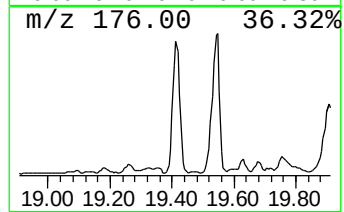
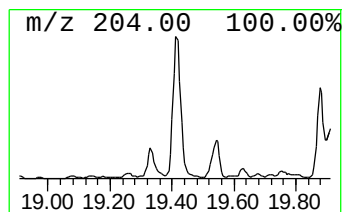
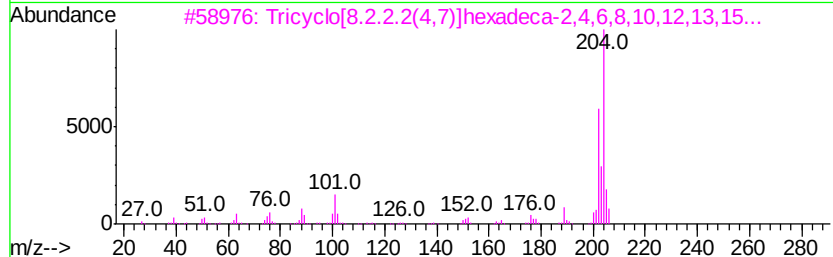
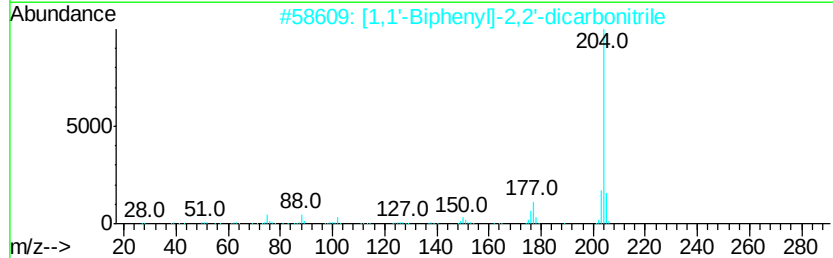
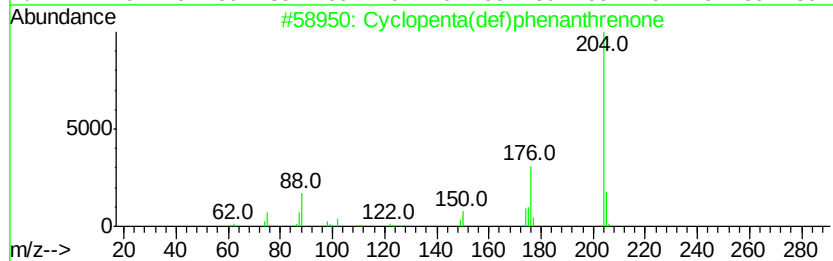
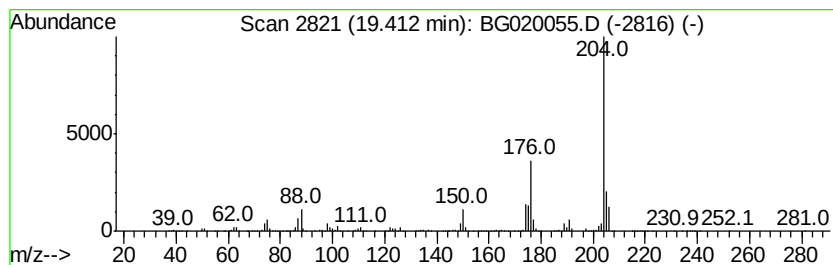
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	30.72 ng	648899	Phenanthrene-d10	17.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
KENT-PIT-1

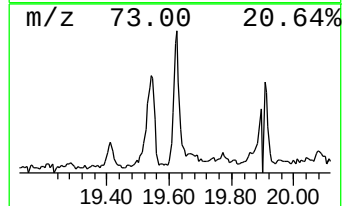
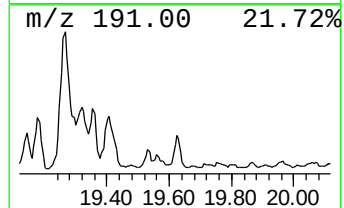
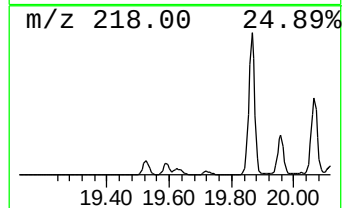
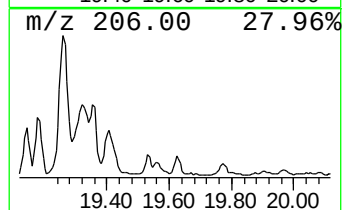
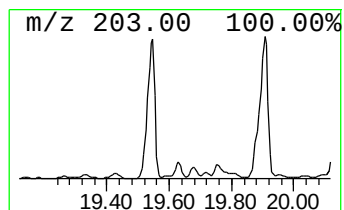
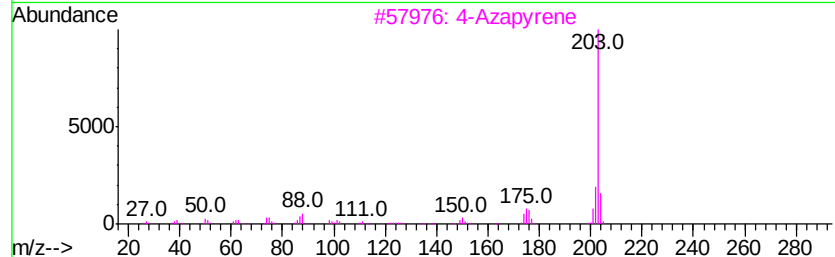
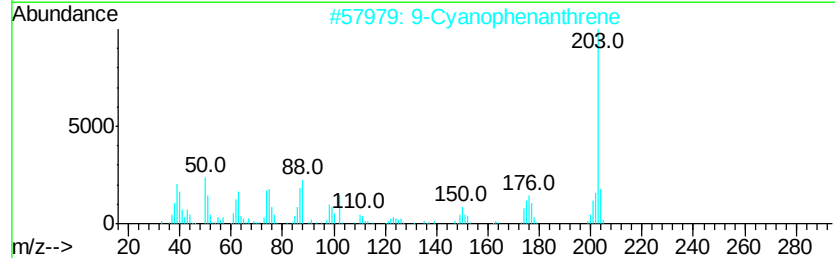
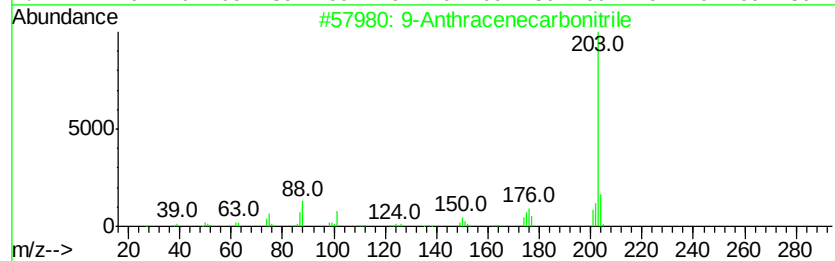
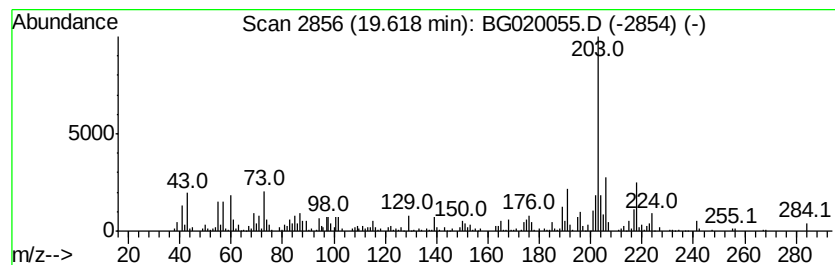
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9-Anthracenecarbonitrile Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	13.38 ng	282515	Phenanthrene-d10	17.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	55
2		9-Cyanophenanthrene	203	C15H9N	002510-55-6	55
3		4-Azapyrene	203	C15H9N	000194-03-6	55
4		Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	50
5		1H-Indene-4-carboxylic acid, 2,3...	218	C14H18O2	055591-12-3	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
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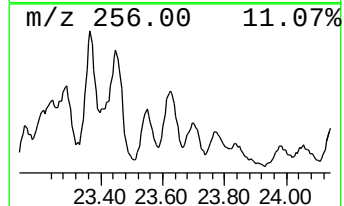
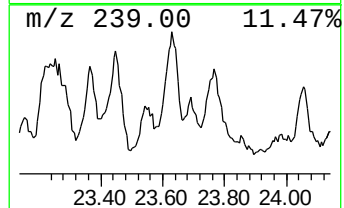
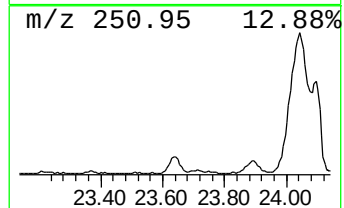
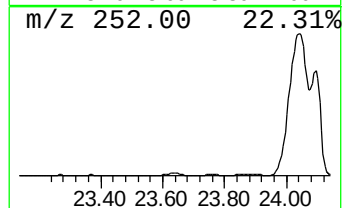
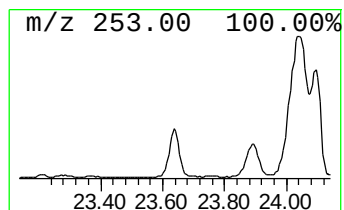
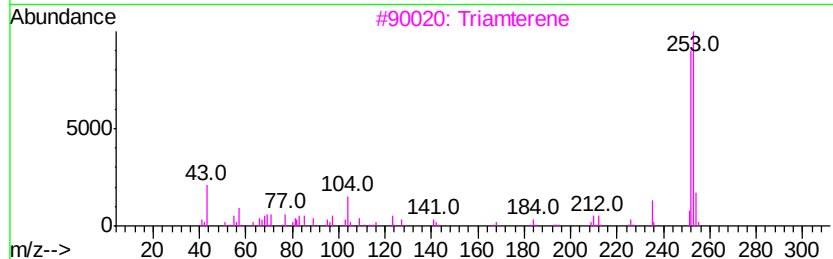
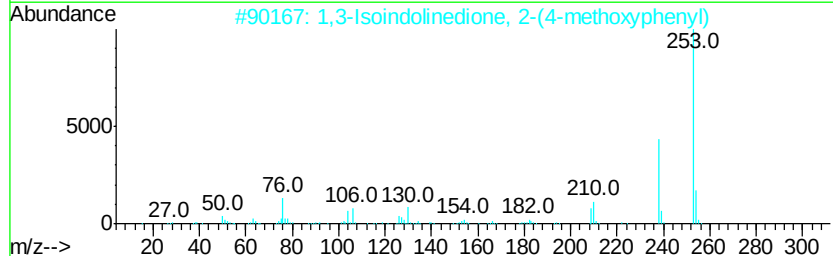
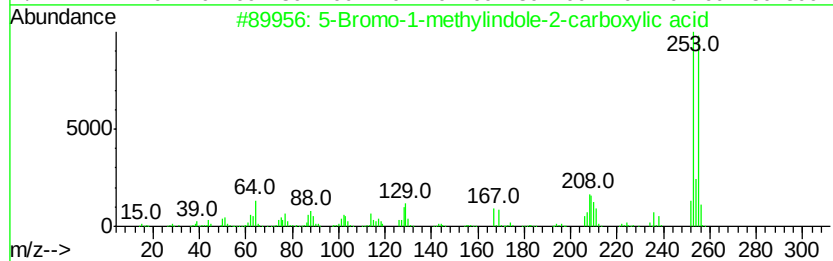
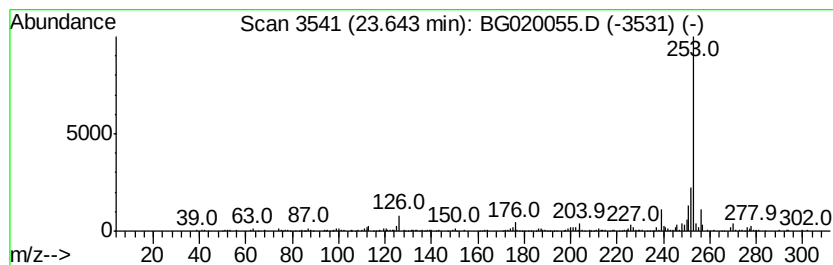
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ClientSampleId :
KENT-PIT-1

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5-Bromo-1-methylindole-2-ca... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
23.64	24.72 ng	685513	Perylene-d12	25.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-1-methylindole-2-carboxy...	253	C10H8BrN02	090766-47-5	50
2	1,3-Isoindolinedione, 2-(4-metho...	253	C15H11N03	002142-04-3	47
3	Triamterene	253	C12H11N7	000396-01-0	47
4	Benzaldehyde, 4-((4-(dimethylami...	253	C15H15N3O	039208-00-9	46
5	1,5-Diphenyl-2H-1,2,4-triazoline...	253	C14H11N3S	005055-74-3	43



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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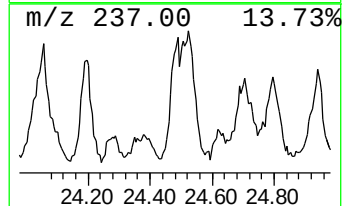
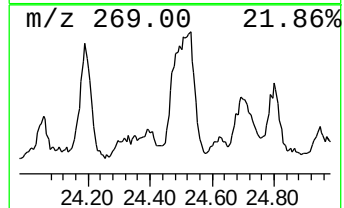
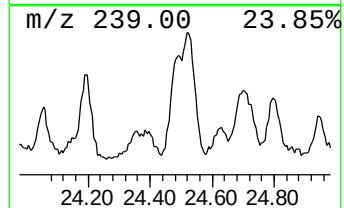
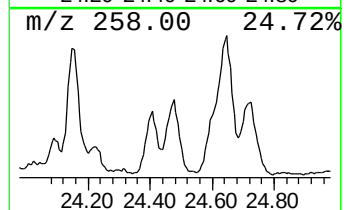
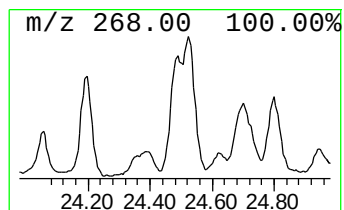
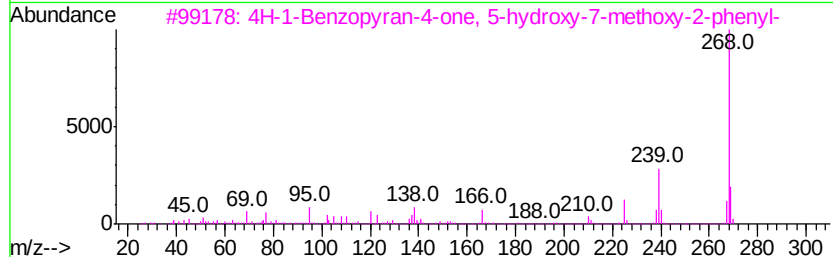
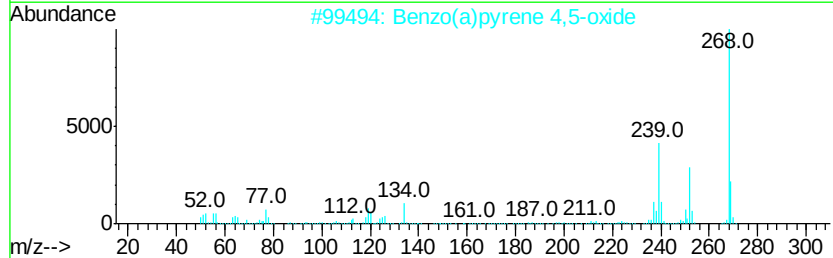
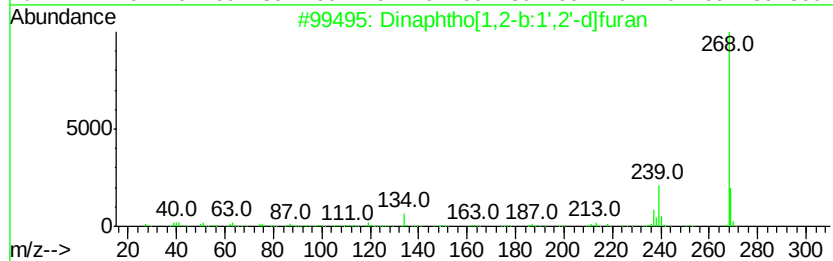
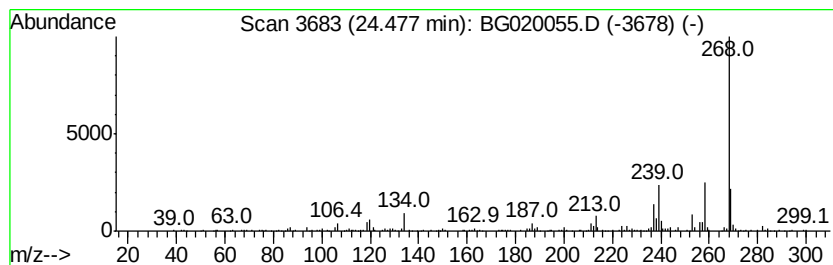
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.48	10.21 ng	283232	Perylene-d12	25.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	94
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
3		4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
4		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5		4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

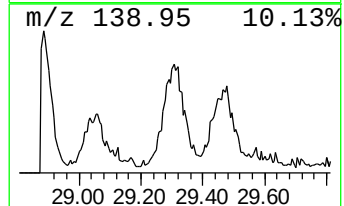
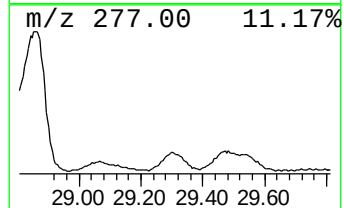
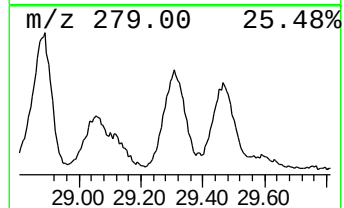
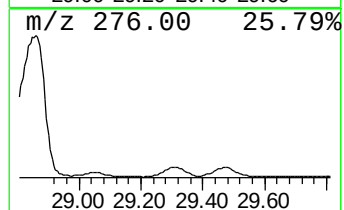
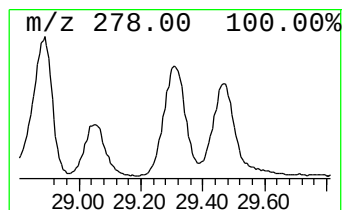
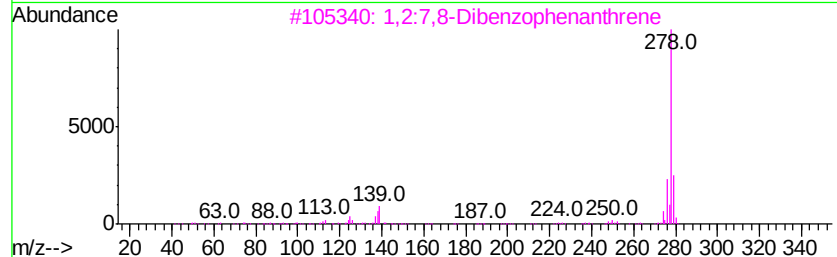
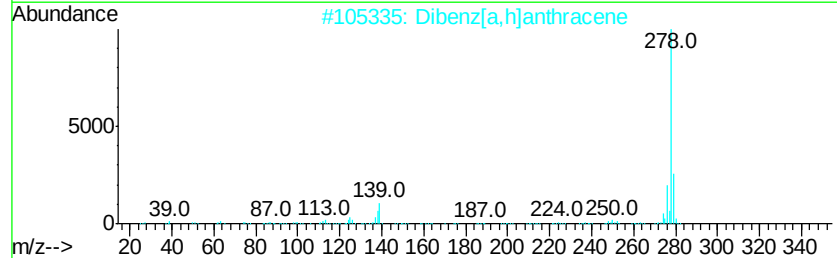
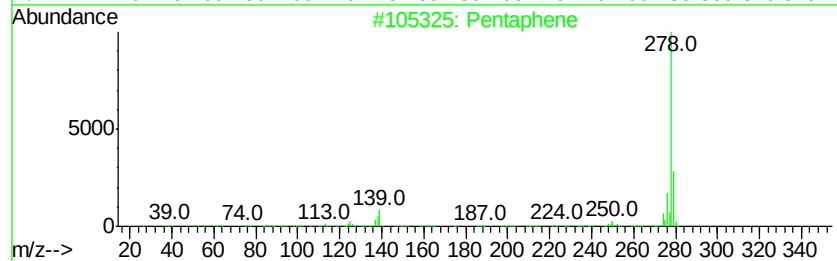
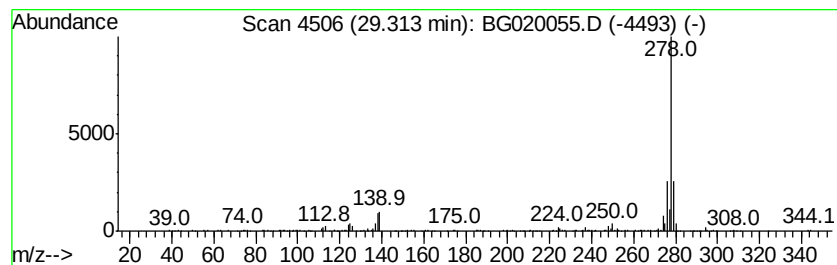
Instrument :
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ClientSampleId :
KENT-PIT-1

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pentaphene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
29.31	23.35 ng	647446	Perylene-d12	25.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\
Data File : BG020055.D
Acq On : 9 Dec 2015 22:32
Operator : UM/SJ
Sample : G4698-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
KENT-PIT-1

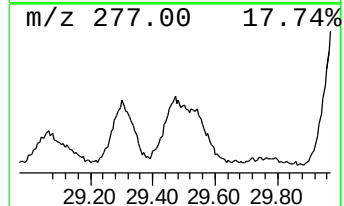
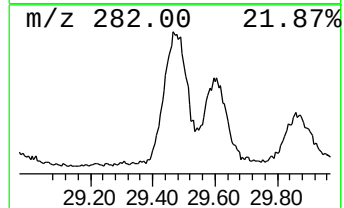
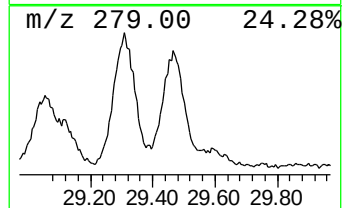
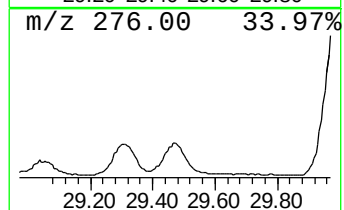
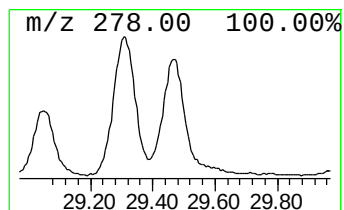
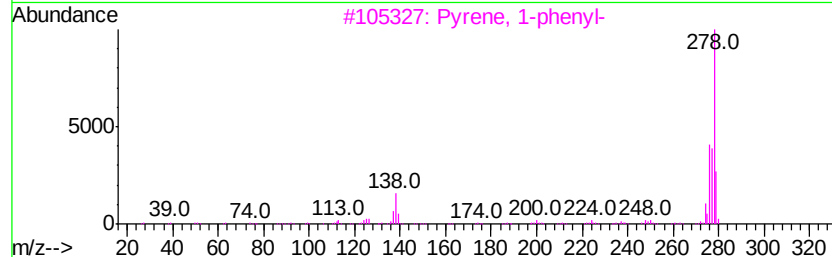
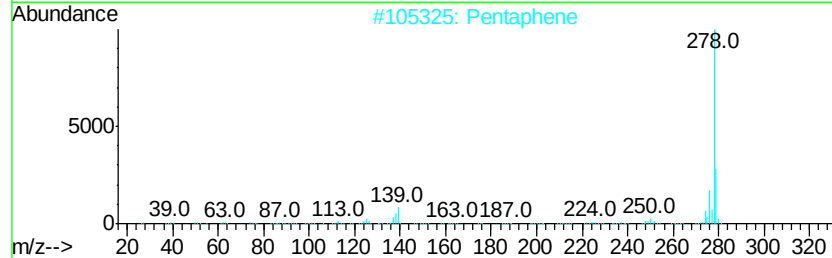
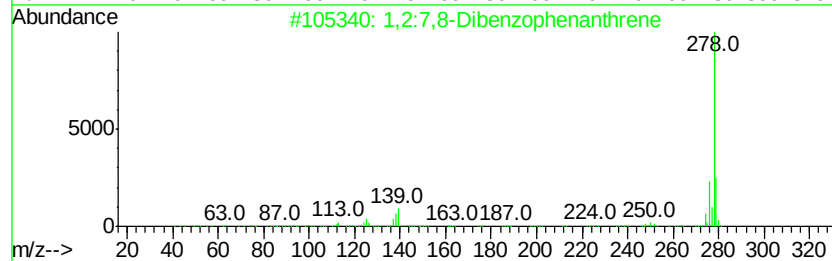
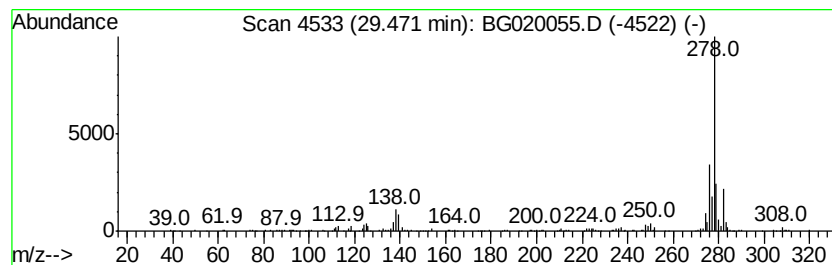
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:7,8-Dibenzophenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.47	18.33 ng	508316	Perylene-d12	25.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
2		Pentaphene	278	C22H14	000222-93-5	92
3		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	90
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	89
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121015\
 Data File : BG020055.D
 Acq On : 9 Dec 2015 22:32
 Operator : UM/SJ
 Sample : G4698-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 KENT-PIT-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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
Butane, 2-methoxy...	3.21	17.7	ng	126022	1	8.11	142226	20.0
2-Pentanone, 4-hy...	5.19	10.9	ng	77338	1	8.11	142226	20.0
unknown7.64	7.64	58.4	ng	415220	1	8.11	142226	20.0
2-Dibenzofuranol	18.04	8.4	ng	176827	4	17.48	422429	20.0
Anthracene, 1-met...	18.40	12.8	ng	269521	4	17.48	422429	20.0
Phenanthrene, 1-m...	18.48	15.9	ng	335782	4	17.48	422429	20.0
4H-Cyclopenta[def...	18.55	47.5	ng	1002170	4	17.48	422429	20.0
5,16[1',2']:8,13[...	18.85	16.1	ng	339693	4	17.48	422429	20.0
Phenanthrene, 3,6...	19.26	25.1	ng	529537	4	17.48	422429	20.0
Cyclopenta(def)ph...	19.41	30.7	ng	648899	4	17.48	422429	20.0
9-Anthracenecarbo...	19.62	13.4	ng	282515	4	17.48	422429	20.0
5-Bromo-1-methyli...	23.64	24.7	ng	685513	6	25.06	554653	20.0
Dinaphtho[1,2-b:1...	24.48	10.2	ng	283232	6	25.06	554653	20.0
Pentaphene	29.31	23.4	ng	647446	6	25.06	554653	20.0
1,2:7,8-Dibenzoph...	29.47	18.3	ng	508316	6	25.06	554653	20.0