

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082337.D
 Acq On : 16 Oct 2015 20:41
 Operator : UM/IZ
 Sample : G4046-02 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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	8.206	529	531	535	rBV2	523593	614266	3.55%	0.293%
2	8.915	591	593	595	rBV	557338	468191	2.70%	0.223%
3	9.017	600	602	604	rVB	338271	359960	2.08%	0.171%
4	9.372	632	633	636	rVV	269234	351796	2.03%	0.168%
5	9.543	645	648	650	rBV	398668	554698	3.20%	0.264%
6	9.612	652	654	655	rVV	584735	601280	3.47%	0.286%
7	9.635	655	656	659	rVV	230457	328002	1.89%	0.156%
8	9.726	662	664	667	rVV2	287693	412011	2.38%	0.196%
9	9.817	669	672	674	rVB	343712	348724	2.01%	0.166%
10	9.955	680	684	685	rBV2	637914	911686	5.27%	0.434%
11	9.989	685	687	689	rVV	2259084	2115950	12.22%	1.008%
12	10.115	695	698	700	rVV2	266227	486785	2.81%	0.232%
13	10.160	700	702	704	rVV	1913731	2580804	14.91%	1.229%
14	10.378	717	721	723	rVB3	157786	356459	2.06%	0.170%
15	10.458	725	728	730	rBV2	299057	469230	2.71%	0.223%
16	10.515	730	733	735	rVV	4146926	4566923	26.38%	2.175%
17	10.572	735	738	739	rVV	667829	1148841	6.64%	0.547%
18	10.595	739	740	741	rVV	801147	626873	3.62%	0.299%
19	10.663	741	746	748	rVV3	1101718	1947933	11.25%	0.928%
20	10.743	748	753	755	rVV	1340888	1809092	10.45%	0.862%
21	10.789	755	757	759	rVB2	327916	362954	2.10%	0.173%
22	10.869	761	764	767	rVB3	300147	627384	3.62%	0.299%
23	10.995	771	775	777	rVV3	150472	323578	1.87%	0.154%
24	11.052	777	780	781	rVV2	1279492	1691701	9.77%	0.806%
25	11.075	781	782	784	rVV2	502901	781267	4.51%	0.372%
26	11.132	784	787	789	rVV2	496149	815322	4.71%	0.388%
27	11.178	789	791	792	rVV2	497337	745672	4.31%	0.355%
28	11.200	792	793	796	rVV	718175	988803	5.71%	0.471%
29	11.269	796	799	804	rVV2	2579806	5151157	29.76%	2.453%
30	11.349	804	806	810	rVV	2929414	2974185	17.18%	1.416%
31	11.509	812	820	821	rBV	7307485	17309634	100.00%	8.244%
32	11.543	821	823	827	rVV	4225716	5224615	30.18%	2.488%
33	11.612	827	829	833	rVV3	353916	957933	5.53%	0.456%
34	11.692	833	836	839	rVV	2765192	3953575	22.84%	1.883%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
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35	11.749	839	841	842	rVV	594888	815153	4.71%	0.388%
36	11.783	842	844	846	rVV2	2204666	2589160	14.96%	1.233%
37	11.818	846	847	848	rVV	262956	326993	1.89%	0.156%
38	11.863	848	851	853	rVV2	1450753	2264051	13.08%	1.078%
39	11.921	853	856	857	rVV2	487047	946325	5.47%	0.451%
40	11.955	857	859	860	rVV	2851464	3539618	20.45%	1.686%
41	11.989	860	862	864	rVV	3894377	4016602	23.20%	1.913%
42	12.035	864	866	867	rVV	1053971	1252174	7.23%	0.596%
43	12.069	867	869	873	rVV2	3535566	6312520	36.47%	3.006%
44	12.161	873	877	878	rVV3	488629	1292569	7.47%	0.616%
45	12.183	878	879	881	rVV	1023396	1118062	6.46%	0.532%
46	12.252	881	885	886	rVV	2381078	3548246	20.50%	1.690%
47	12.298	886	889	890	rVV2	3672194	5202057	30.05%	2.478%
48	12.321	890	891	892	rVV	519806	527400	3.05%	0.251%
49	12.355	892	894	895	rVV	617067	965026	5.58%	0.460%
50	12.378	895	896	899	rVV2	831323	1912465	11.05%	0.911%
51	12.423	899	900	905	rVV3	920435	2090941	12.08%	0.996%
52	12.503	905	907	909	rVV	1569099	2337186	13.50%	1.113%
53	12.561	909	912	914	rVV3	1162031	2454096	14.18%	1.169%
54	12.618	914	917	919	rVV2	1304596	2513925	14.52%	1.197%
55	12.698	919	924	927	rVV	6144798	16626172	96.05%	7.918%
56	12.743	927	928	930	rVV	641895	932869	5.39%	0.444%
57	12.778	930	931	933	rVV2	417762	597420	3.45%	0.285%
58	12.823	933	935	938	rVV2	1485829	2796128	16.15%	1.332%
59	12.869	938	939	940	rVV	504322	532720	3.08%	0.254%
60	12.915	940	943	946	rVV3	5192685	12700434	73.37%	6.049%
61	13.029	950	953	955	rVV	1196765	1975206	11.41%	0.941%
62	13.064	955	956	959	rVV	551399	861006	4.97%	0.410%
63	13.132	959	962	965	rVV3	1245350	2770994	16.01%	1.320%
64	13.189	965	967	968	rVV	554068	952848	5.50%	0.454%
65	13.246	968	972	974	rVV	2091230	3940762	22.77%	1.877%
66	13.315	974	978	979	rVV2	1474902	2261231	13.06%	1.077%
67	13.349	979	981	985	rVV2	1434660	3302624	19.08%	1.573%
68	13.406	985	986	988	rVV	659105	850656	4.91%	0.405%
69	13.452	988	990	991	rVV	768136	1115272	6.44%	0.531%
70	13.475	991	992	994	rVV2	757447	1152121	6.66%	0.549%
71	13.566	998	1000	1002	rVV	407608	727596	4.20%	0.347%

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72	13.635	1002	1006	1007	rVV4	373499	1037483	5.99%	0.494%
73	13.681	1009	1010	1012	rVV2	545365	935764	5.41%	0.446%
74	13.784	1015	1019	1021	rVV	1893783	2972841	17.17%	1.416%
75	13.852	1023	1025	1026	rVV	340075	597533	3.45%	0.285%
76	13.898	1026	1029	1033	rVV2	1756155	4288542	24.78%	2.042%
77	13.966	1033	1035	1037	rVV2	1101937	2291000	13.24%	1.091%
78	14.024	1037	1040	1043	rVV2	1536829	3300362	19.07%	1.572%
79	14.081	1043	1045	1049	rVV2	463555	1315851	7.60%	0.627%
80	14.172	1049	1053	1055	rVV2	2640248	5667315	32.74%	2.699%
81	14.218	1055	1057	1060	rVV	3236442	4813073	27.81%	2.292%
82	14.298	1060	1064	1065	rVV2	606269	1445793	8.35%	0.689%
83	14.355	1067	1069	1073	rVV4	550032	1640752	9.48%	0.781%
84	14.435	1075	1076	1077	rVV	494774	544986	3.15%	0.260%
85	14.469	1077	1079	1083	rVV2	546173	1301908	7.52%	0.620%
86	14.527	1083	1084	1086	rVV	341398	514416	2.97%	0.245%
87	14.572	1086	1088	1089	rVV	326159	568870	3.29%	0.271%
88	14.607	1089	1091	1093	rVV	652895	1183367	6.84%	0.564%
89	14.664	1093	1096	1098	rVV2	747247	1559647	9.01%	0.743%
90	14.721	1099	1101	1102	rVV2	358600	600514	3.47%	0.286%
91	14.755	1102	1104	1108	rVV2	497213	1088114	6.29%	0.518%
92	14.835	1108	1111	1114	rVV2	294058	633460	3.66%	0.302%
93	14.972	1119	1123	1128	rVV2	316696	828867	4.79%	0.395%
94	15.098	1131	1134	1136	rVV3	229482	369281	2.13%	0.176%
95	15.167	1136	1140	1144	rVB4	246521	717227	4.14%	0.342%
96	15.338	1151	1155	1160	rBV	1604502	3808963	22.00%	1.814%
97	15.647	1179	1182	1185	rVB	725405	1065865	6.16%	0.508%
98	15.704	1185	1187	1190	rBV	626030	822180	4.75%	0.392%
99	15.772	1190	1193	1194	rVV2	360972	591607	3.42%	0.282%
100	17.258	1320	1323	1327	rBV2	201050	373764	2.16%	0.178%

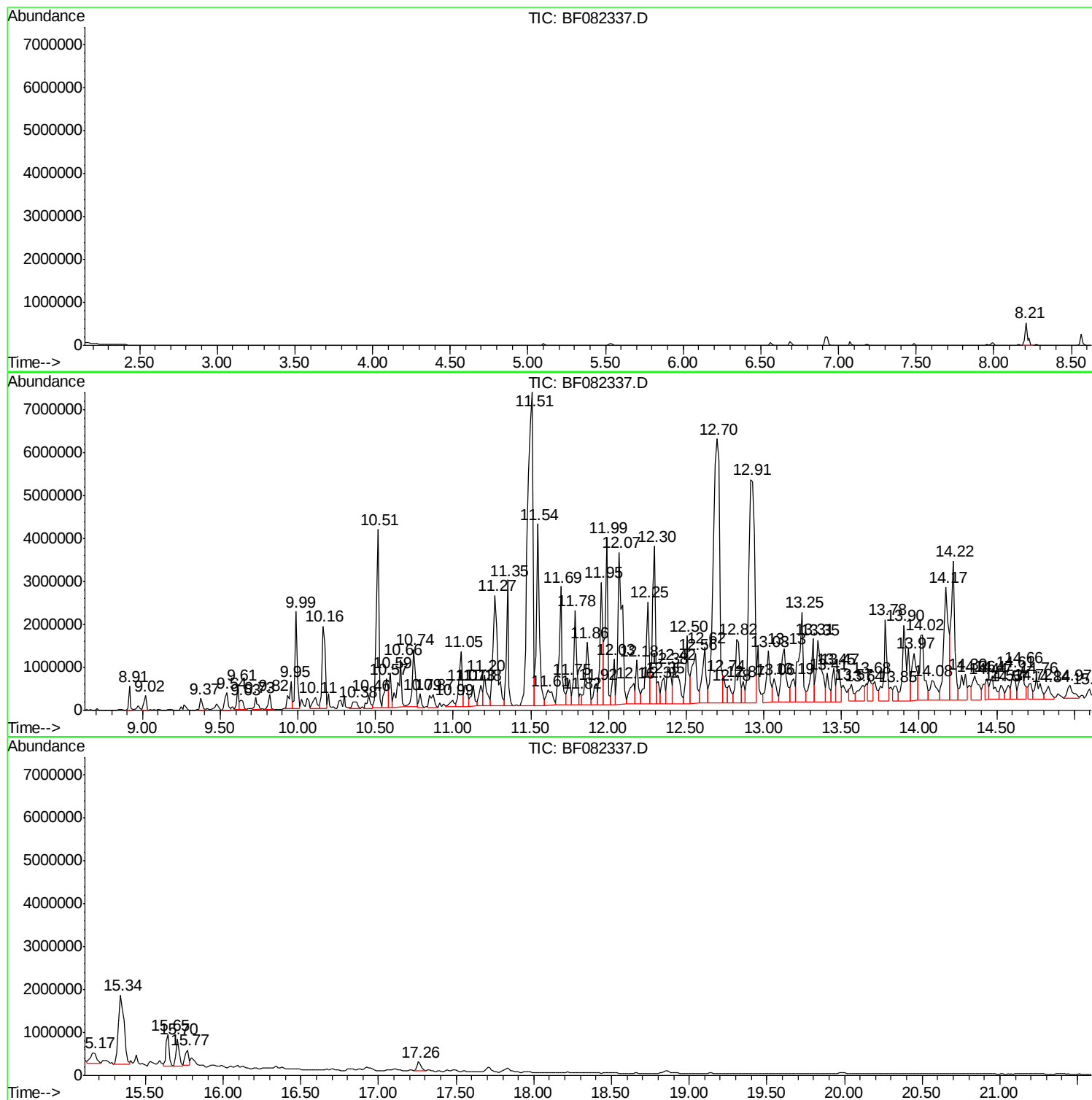
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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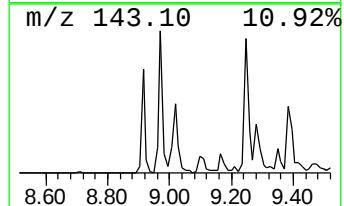
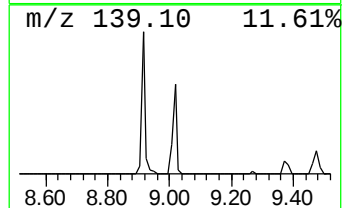
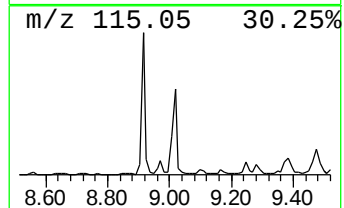
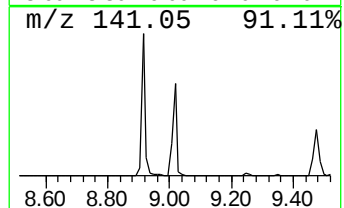
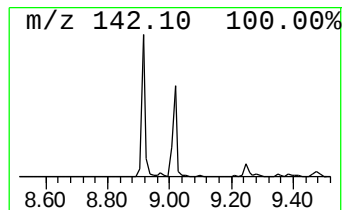
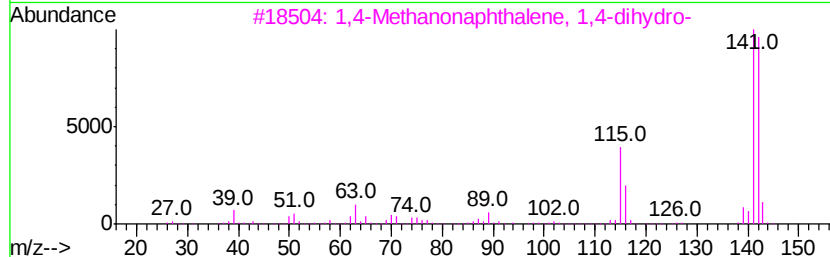
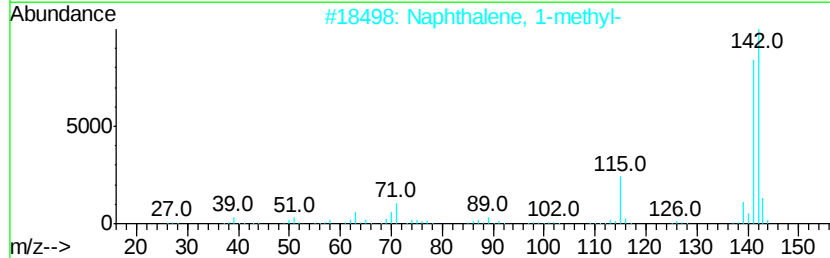
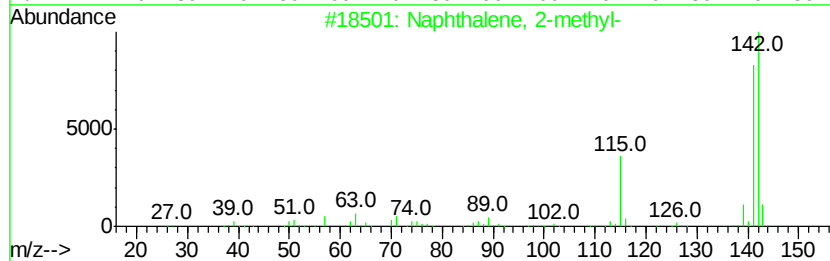
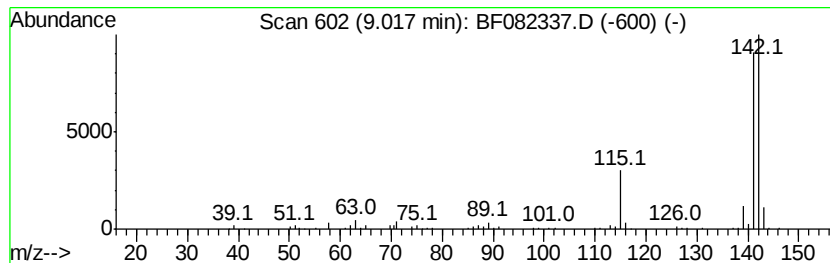
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.02	11.72 ng	359960	Naphthalene-d8	8.21		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



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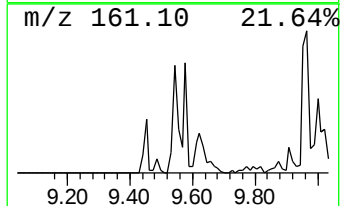
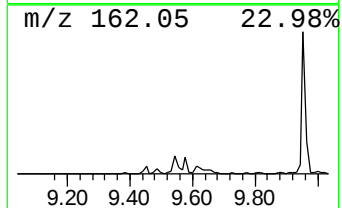
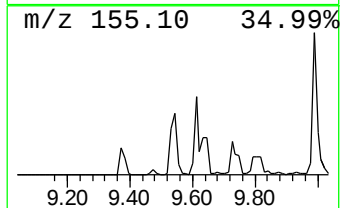
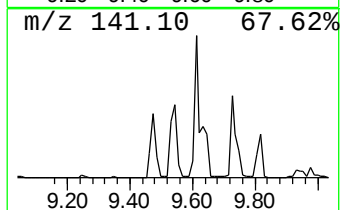
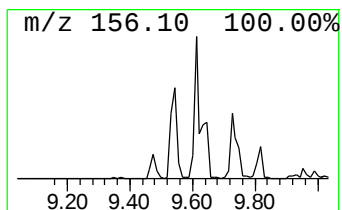
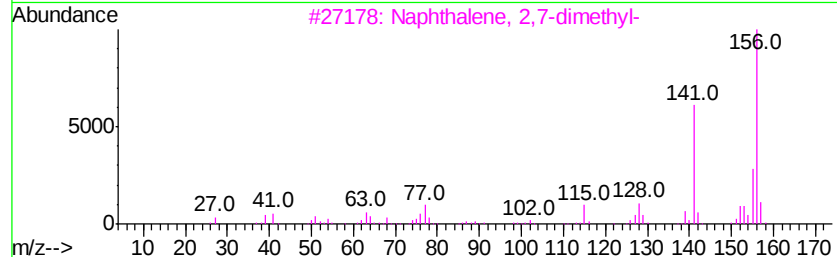
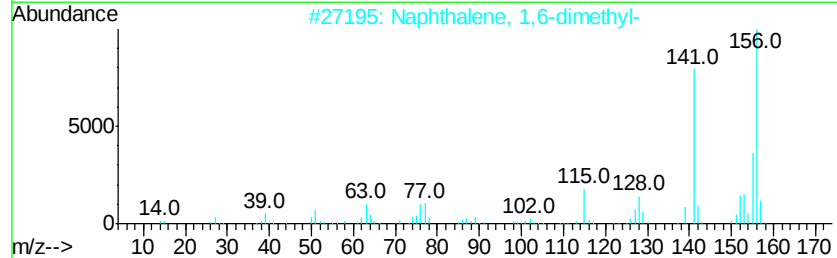
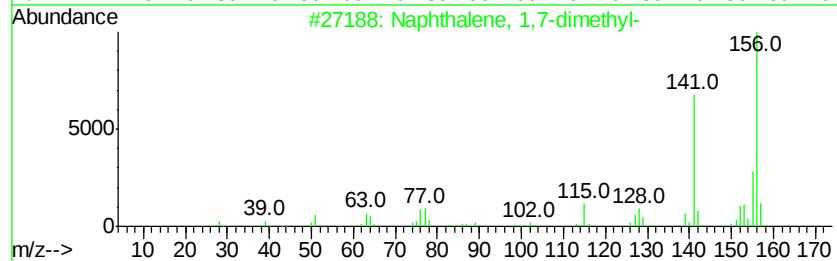
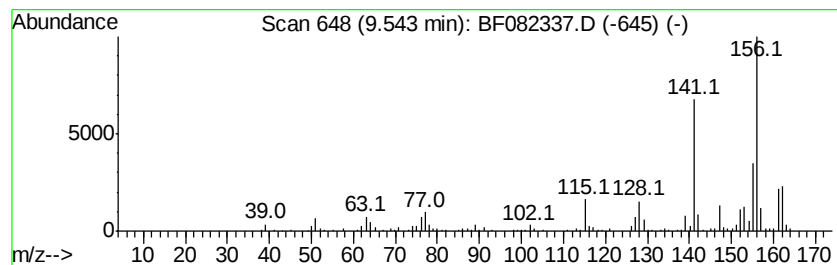
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	12.17 ng	554698	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



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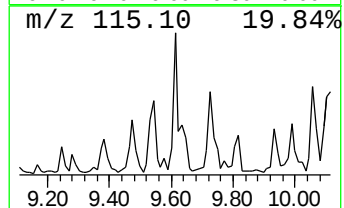
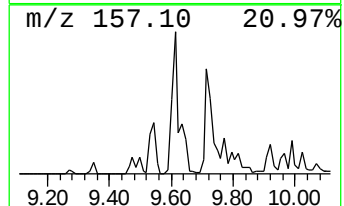
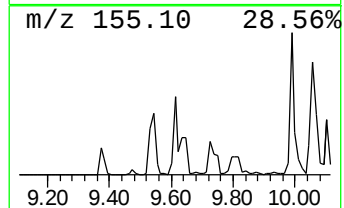
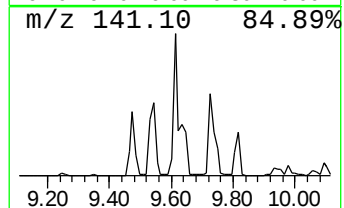
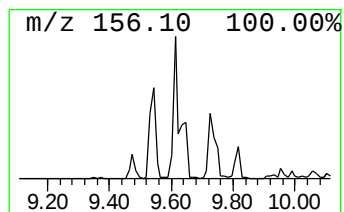
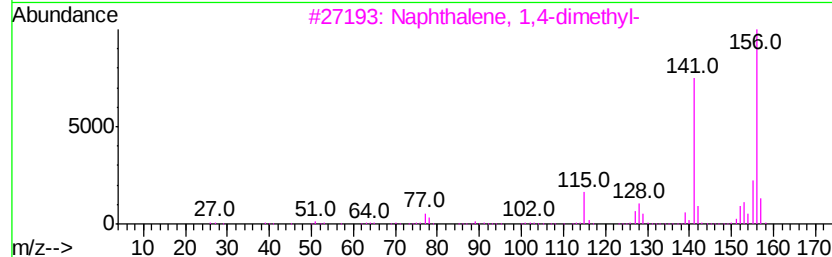
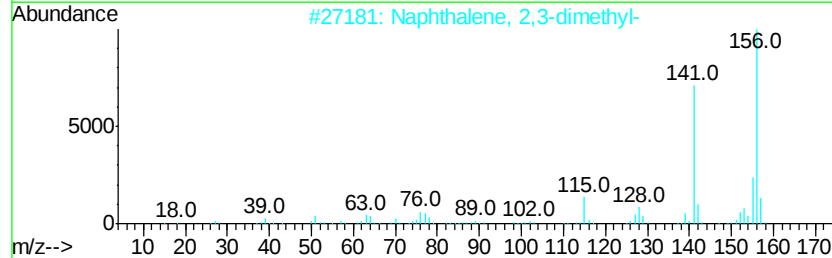
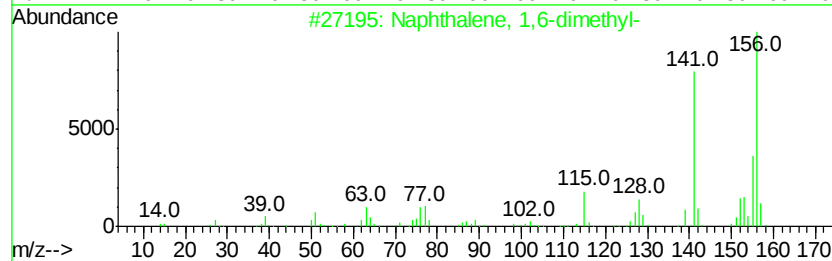
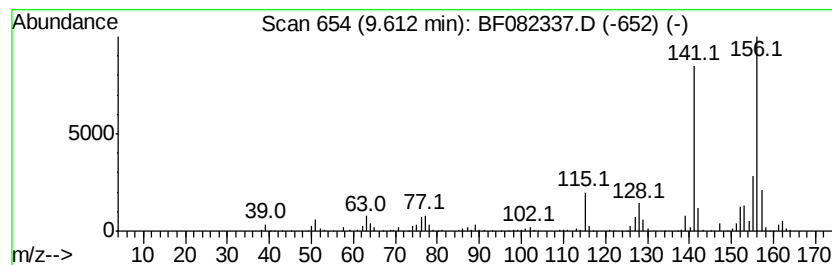
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Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	13.19 ng	601280	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082337.D
Acq On : 16 Oct 2015 20:41
Operator : UM/IZ
Sample : G4046-02 10X
Misc :
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ClientSampleId :
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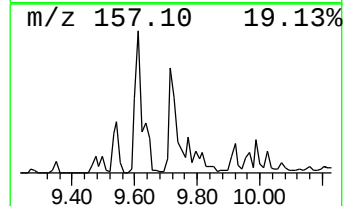
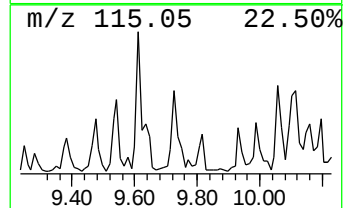
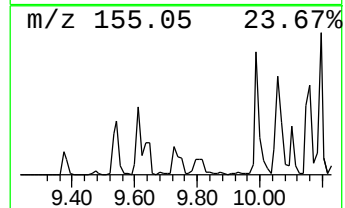
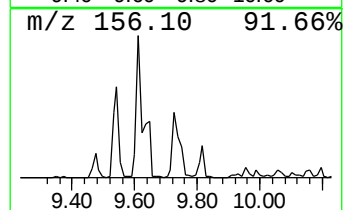
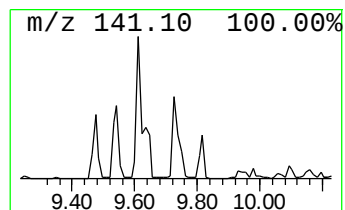
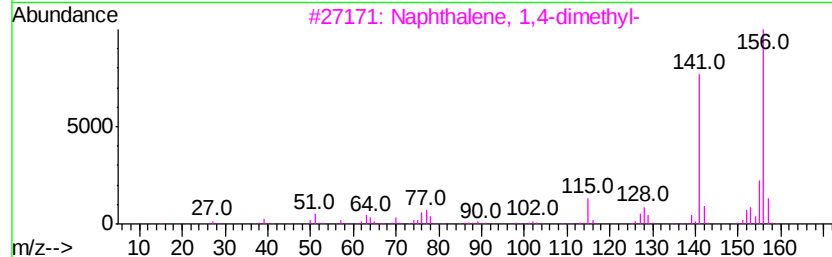
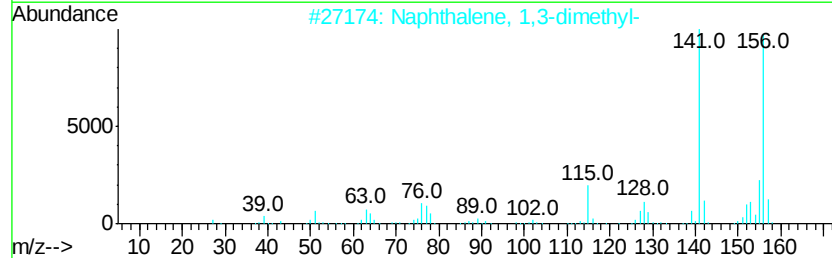
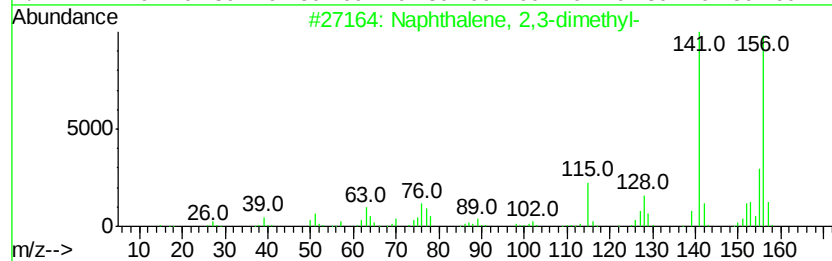
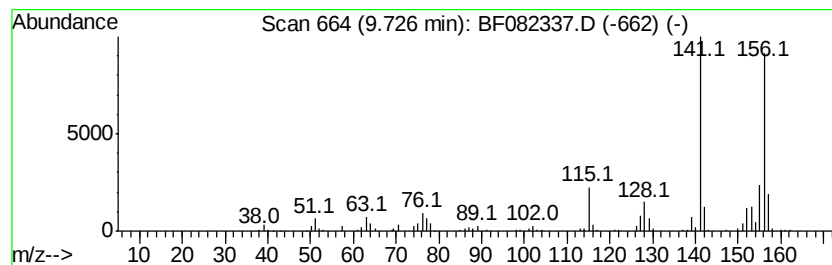
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	9.04 ng	412011	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082337.D
Acq On : 16 Oct 2015 20:41
Operator : UM/IZ
Sample : G4046-02 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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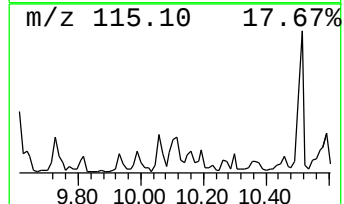
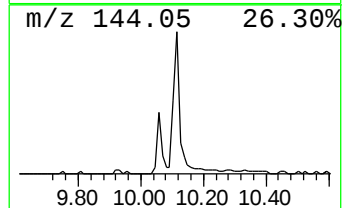
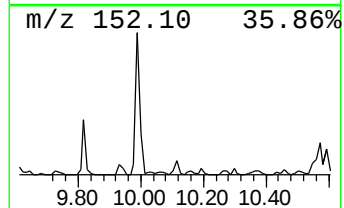
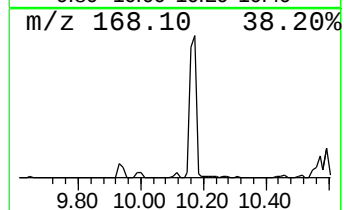
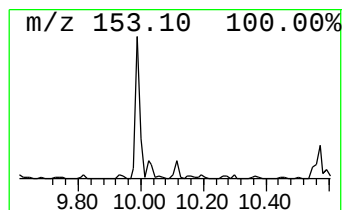
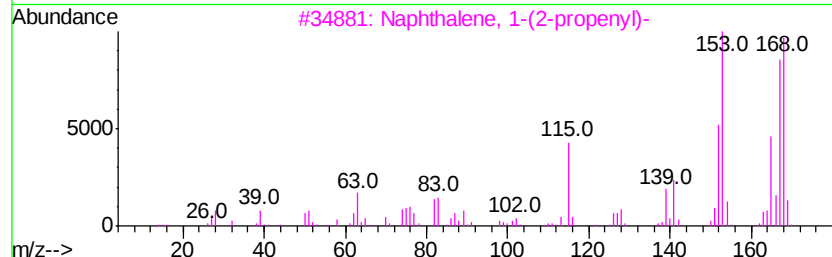
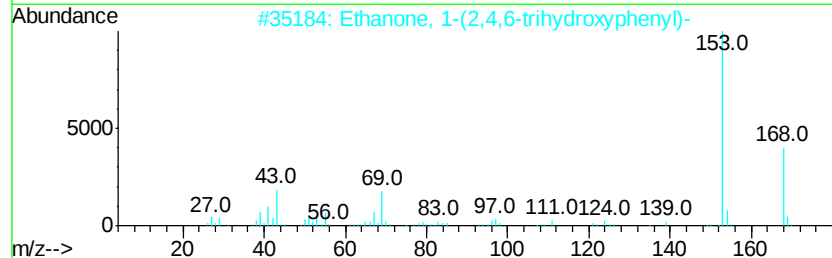
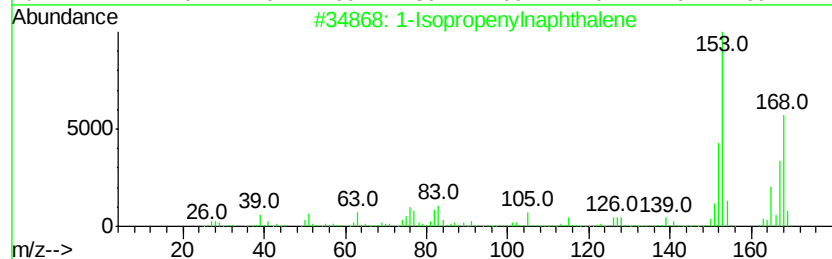
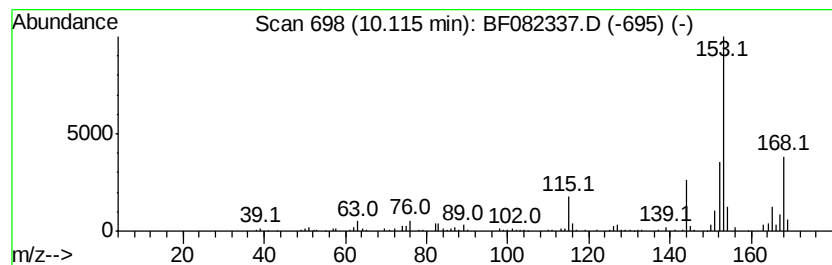
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	10.68 ng	486785	Acenaphthene-d10	9.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	60
2		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
4		Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50
5		Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082337.D
Acq On : 16 Oct 2015 20:41
Operator : UM/IZ
Sample : G4046-02 10X
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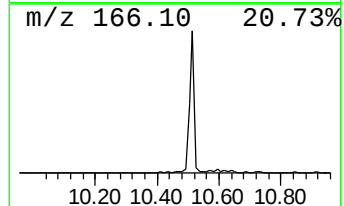
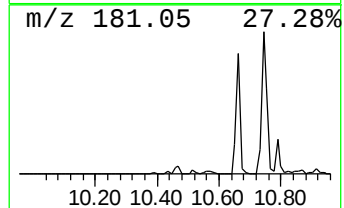
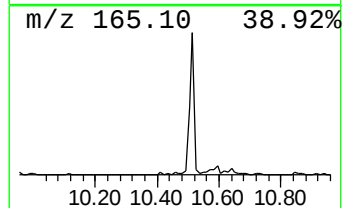
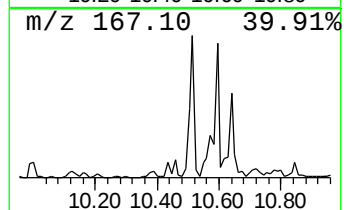
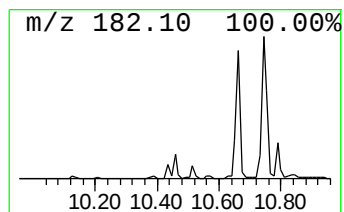
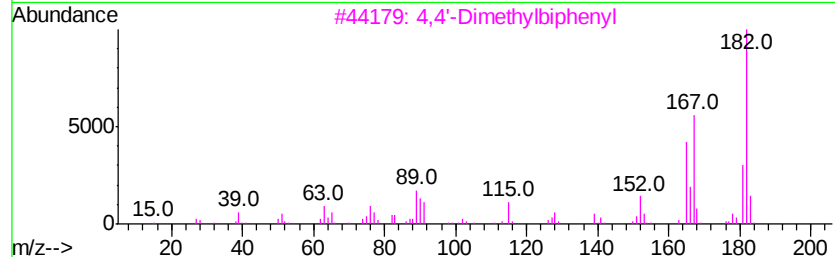
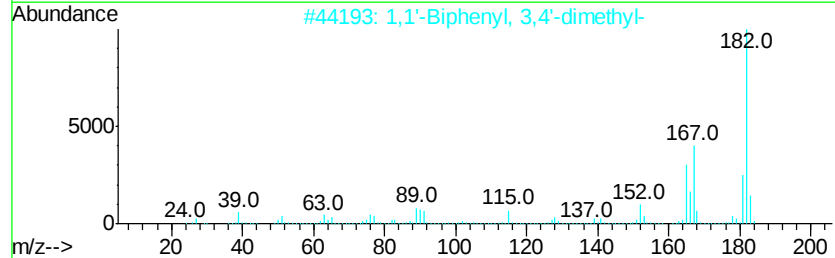
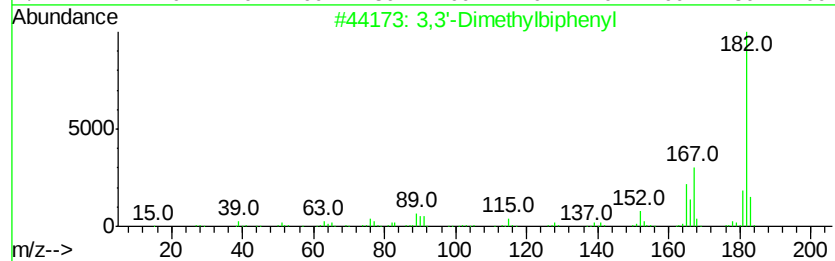
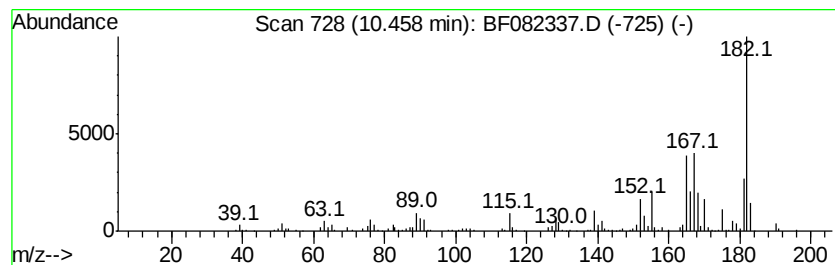
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 3,3'-Dimethylbiphenyl Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	10.29 ng	469230	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		3,3'-Dimethylbiphenyl	182 C14H14	000612-75-9 95
2		1,1'-Biphenyl, 3,4'-dimethyl-	182 C14H14	007383-90-6 93
3		4,4'-Dimethylbiphenyl	182 C14H14	000613-33-2 76
4		1,4-Methanonaphthalene,1,4-dihyd...	182 C14H14	007350-72-3 70
5		3-Ethyl-1,2-dihydro-6-methyl-5-n...	182 C8H10N2O3	1000241-09-2 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082337.D
Acq On : 16 Oct 2015 20:41
Operator : UM/IZ
Sample : G4046-02 10X
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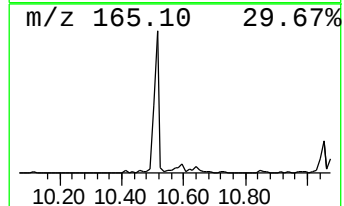
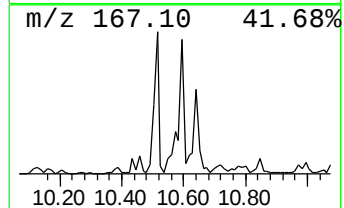
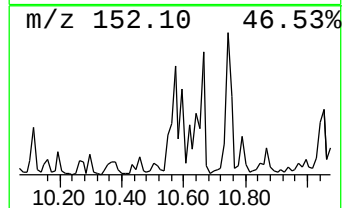
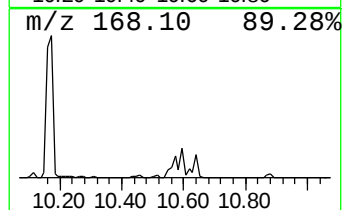
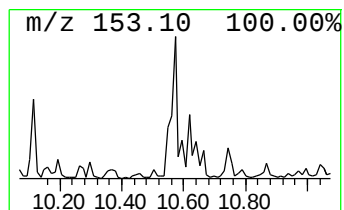
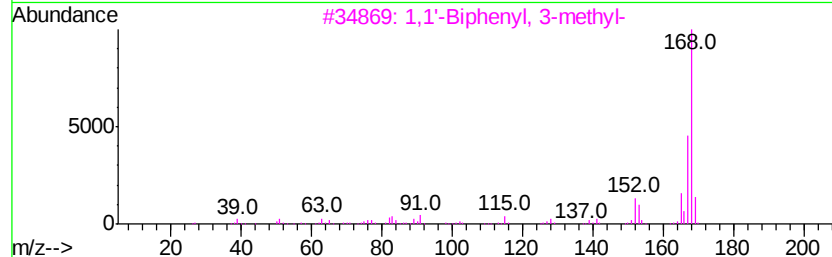
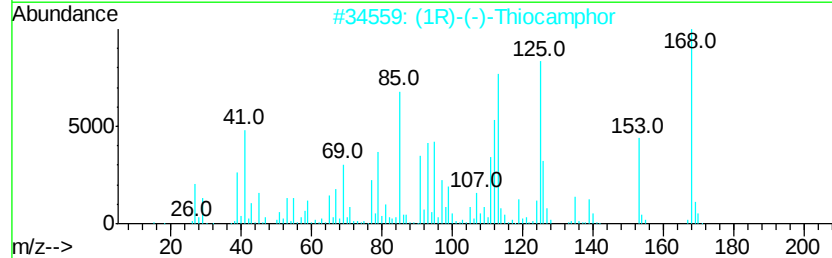
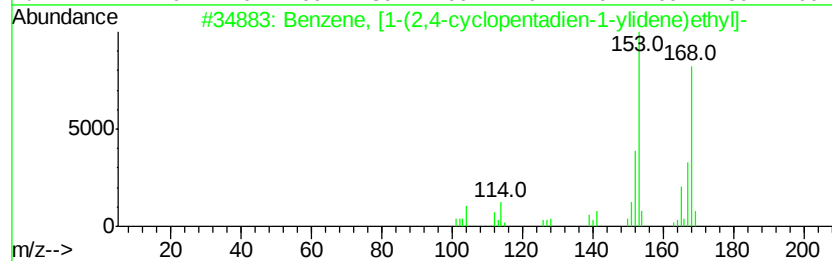
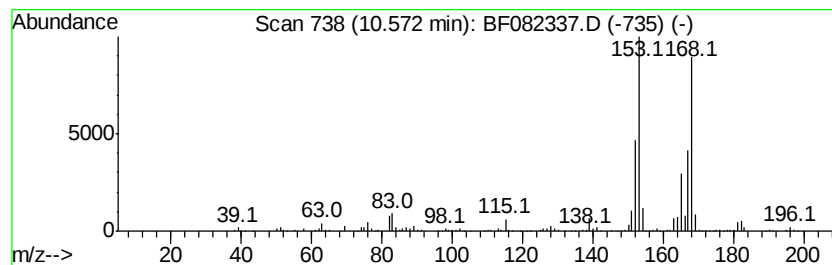
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, [1-(2,4-cyclopenta... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	25.20 ng	1148840	Acenaphthene-d10	9.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, [1-(2,4-cyclopentadien-...	168 C13H12	002320-32-3 87
2		(1R)-(-)-Thiocamphor	168 C10H16S	053402-10-1 49
3		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 47
4		1-Isopropenyl-naphthalene	168 C13H12	001855-47-6 45
5		1-Methoxy-2-methyl-4-(methylthio...	168 C9H12OS	050390-78-8 43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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Sample : G4046-02 10X
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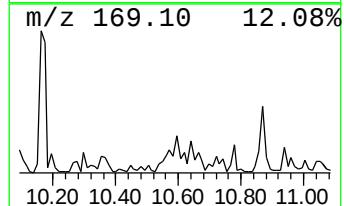
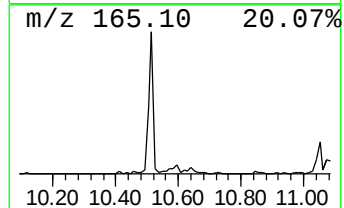
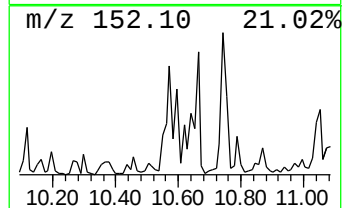
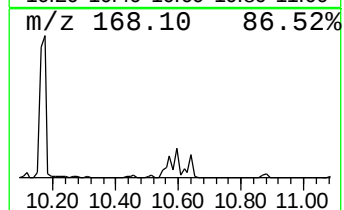
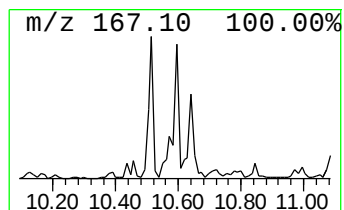
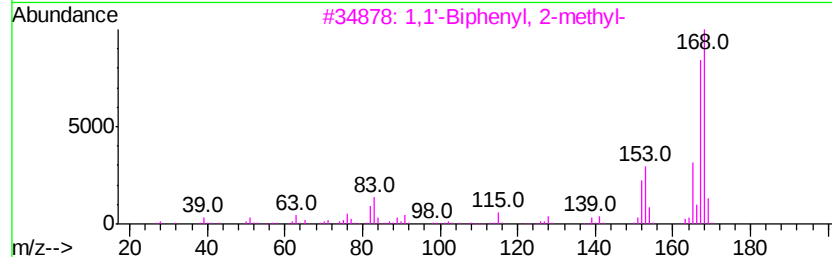
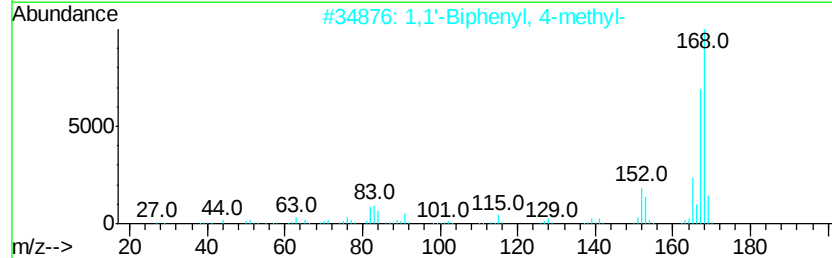
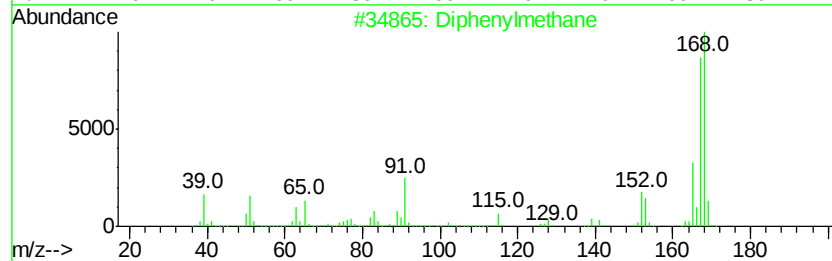
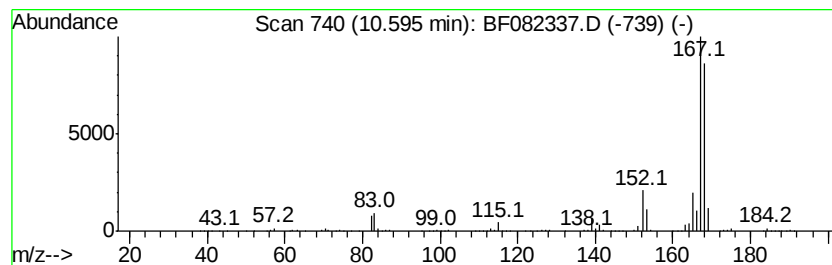
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Diphenylmethane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.59	13.75 ng	626873	Acenaphthene-d10		9.95	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Diphenylmethane	168	C13H12	000101-81-5	83
2		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	76
3		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
4		1-Hydroxvphosphindoline 1-oxide	168	C8H9O2P	052427-49-3	59
5		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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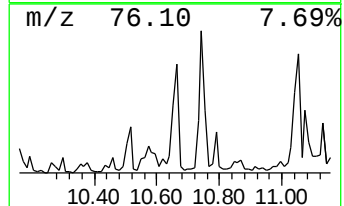
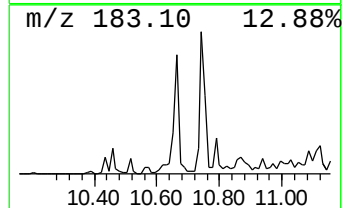
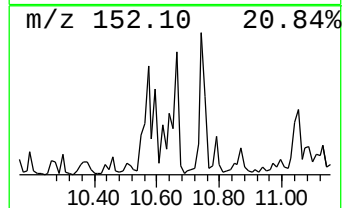
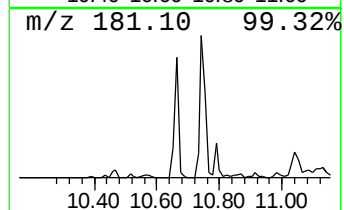
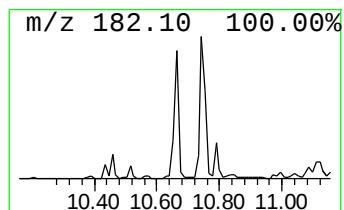
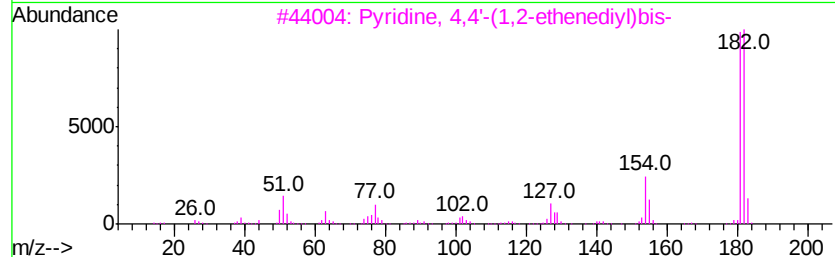
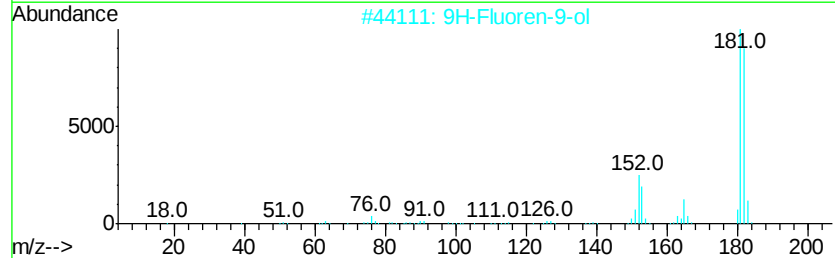
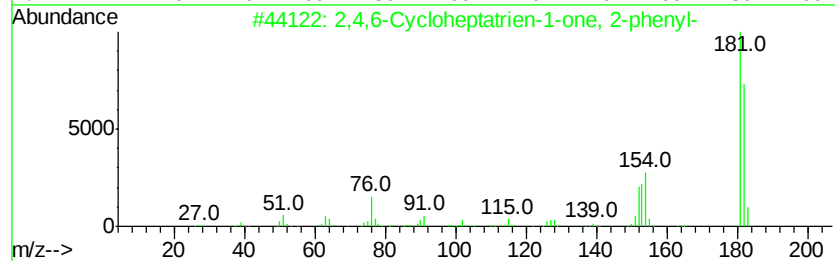
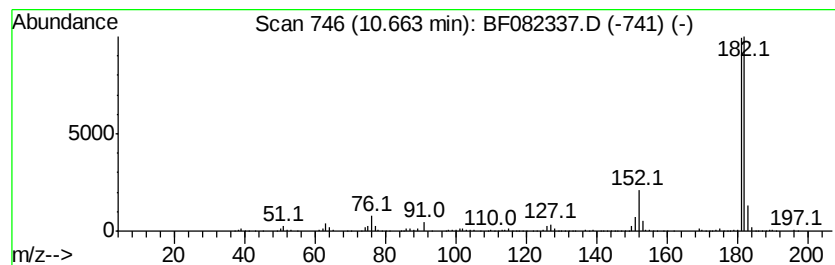
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2,4,6-Cycloheptatrien-1-one... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	42.73 ng	1947930	Acenaphthene-d10	9.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3		Pyridine, 4,4'-(1,2-ethenedivl)bis-	182	C12H10N2	001135-32-6	72
4		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5		9H-Xanthene	182	C13H10O	000092-83-1	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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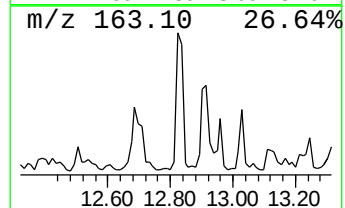
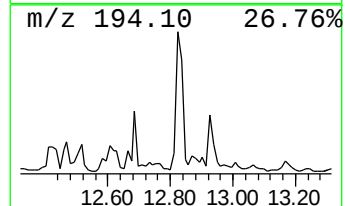
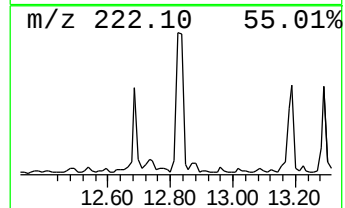
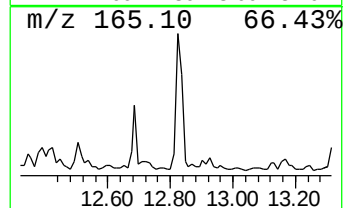
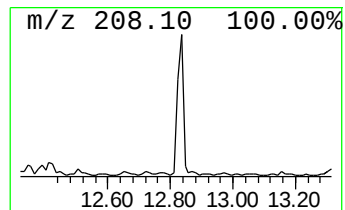
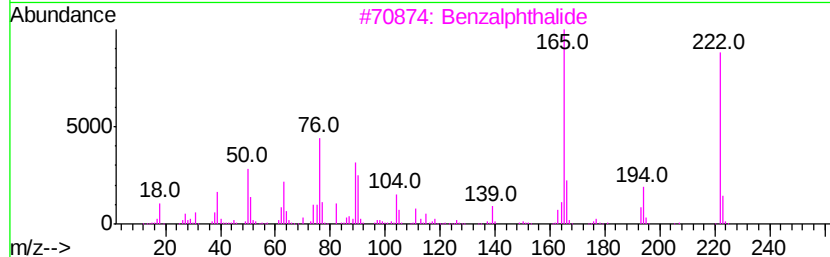
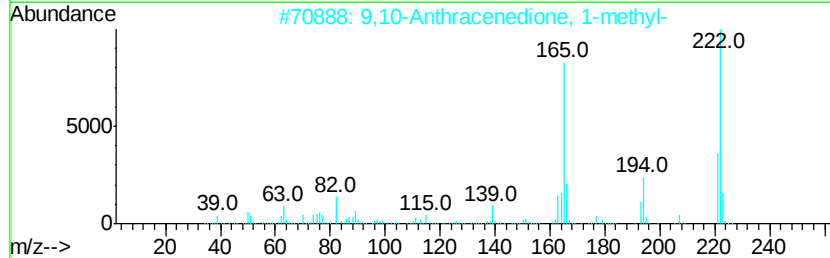
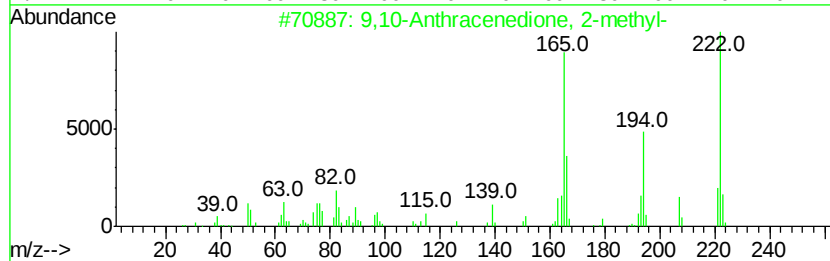
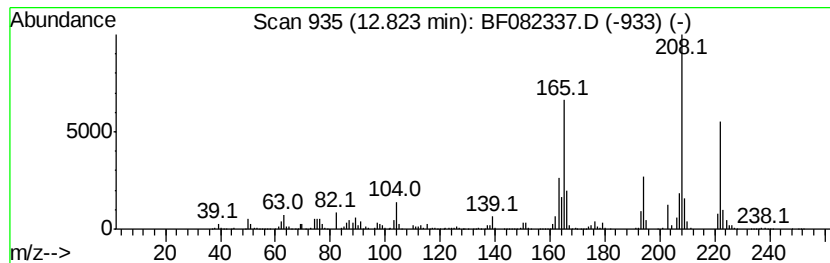
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione, 2-met... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	9.87 ng	2796130	Chrysene-d12	14.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione, 2-methyl-	222	C15H10O2	000084-54-8	70
2		9,10-Anthracenedione, 1-methyl-	222	C15H10O2	000954-07-4	60
3		Benzalpthalide	222	C15H10O2	000575-61-1	50
4		Phenindione	222	C15H10O2	000083-12-5	43
5		9H-Fluorene, 9-propyl-	208	C16H16	004037-45-0	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082337.D
Acq On : 16 Oct 2015 20:41
Operator : UM/IZ
Sample : G4046-02 10X
Misc :
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ClientSampleId :
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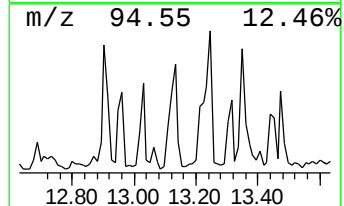
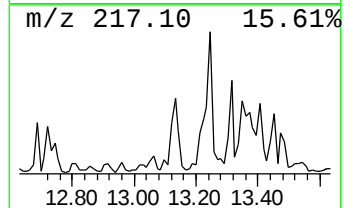
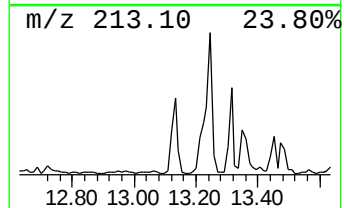
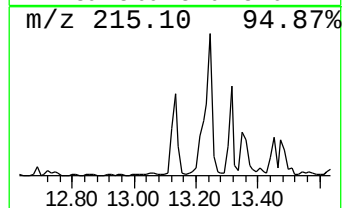
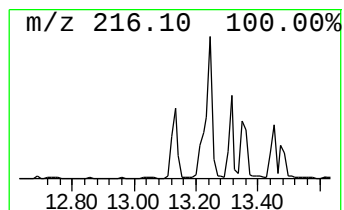
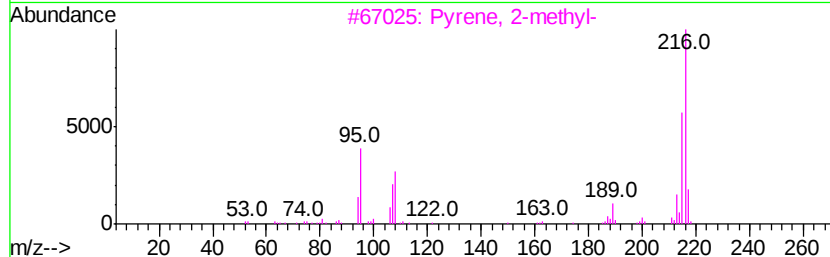
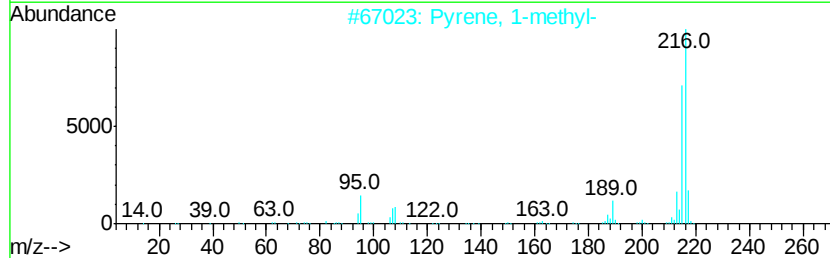
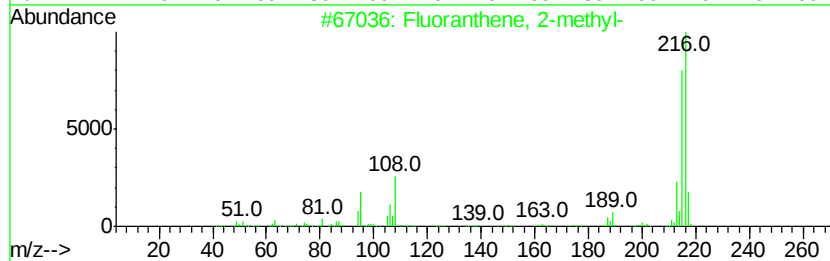
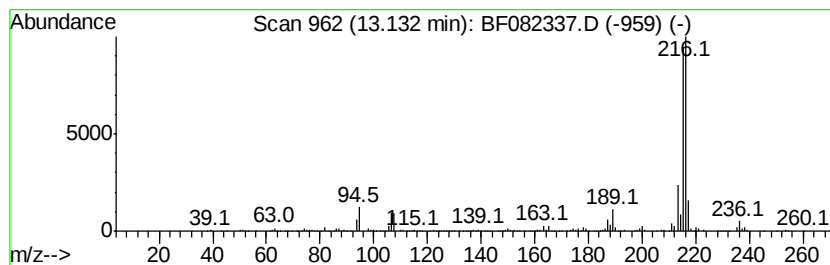
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	9.78 ng	2770990	Chrysene-d12	14.18

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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ClientSampleId :
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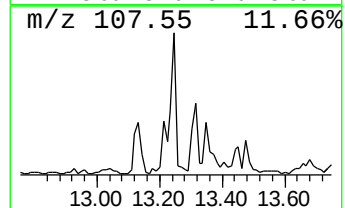
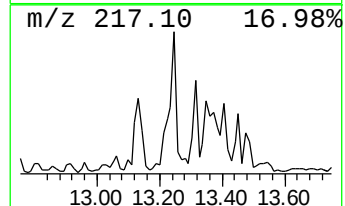
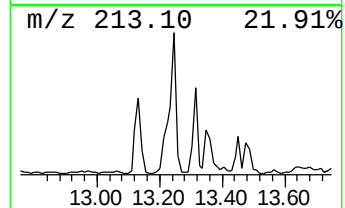
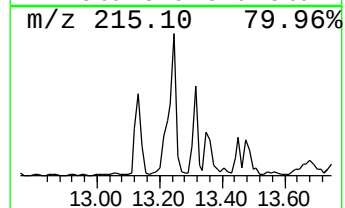
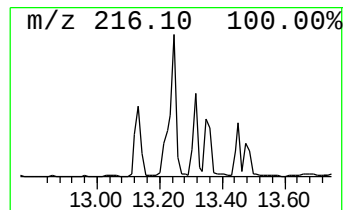
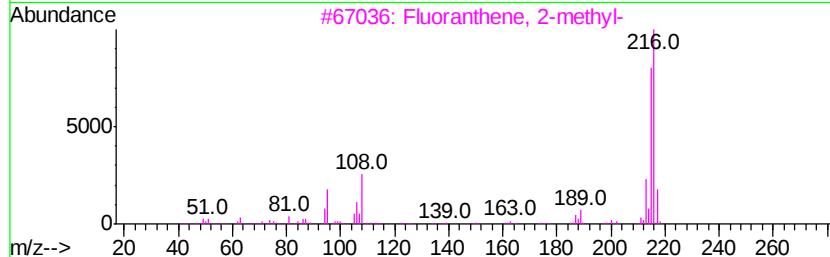
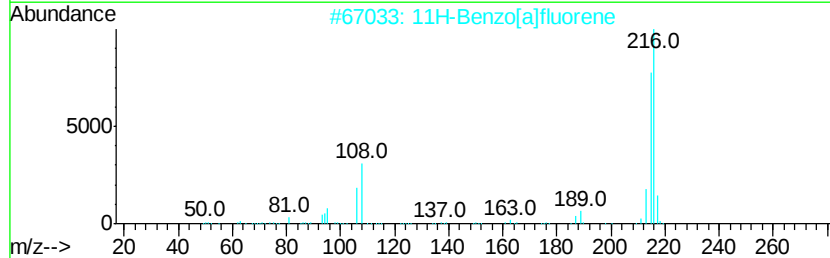
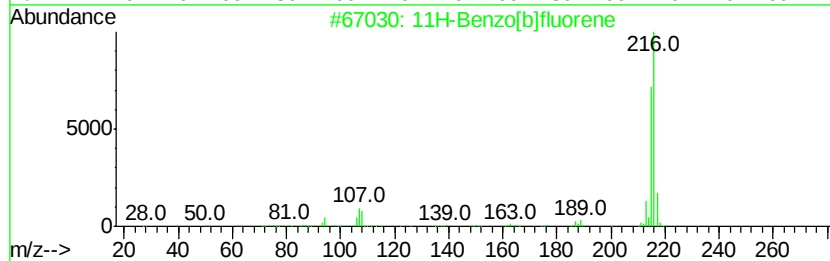
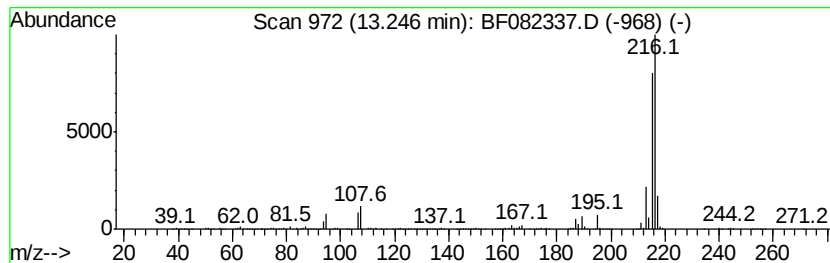
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	13.91 ng	3940760	Chrysene-d12	14.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082337.D
Acq On : 16 Oct 2015 20:41
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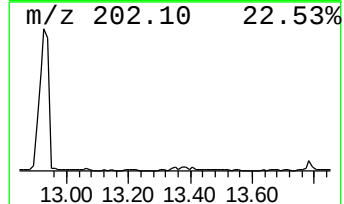
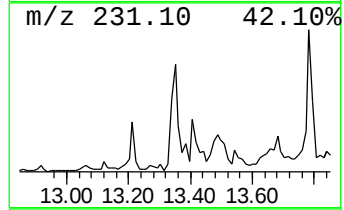
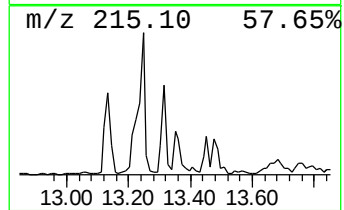
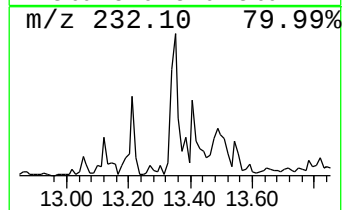
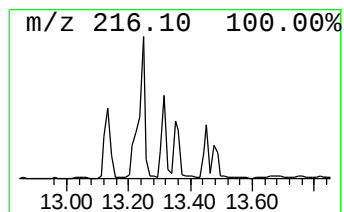
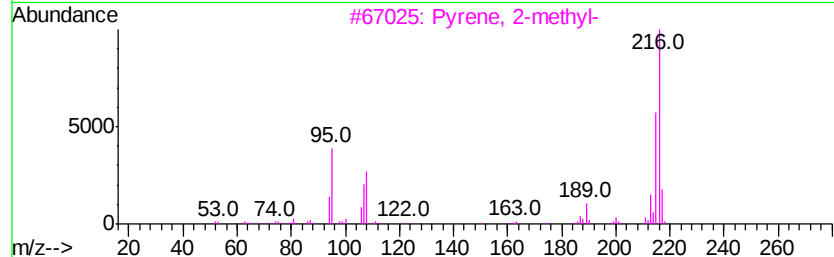
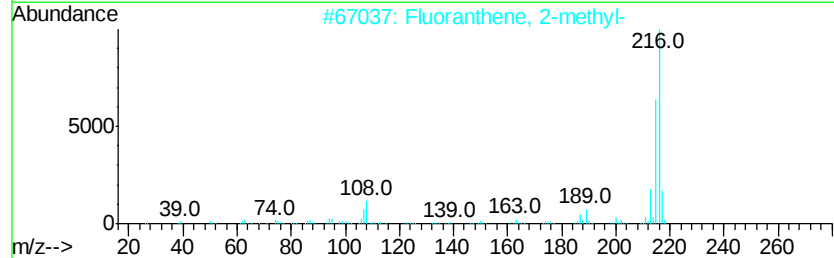
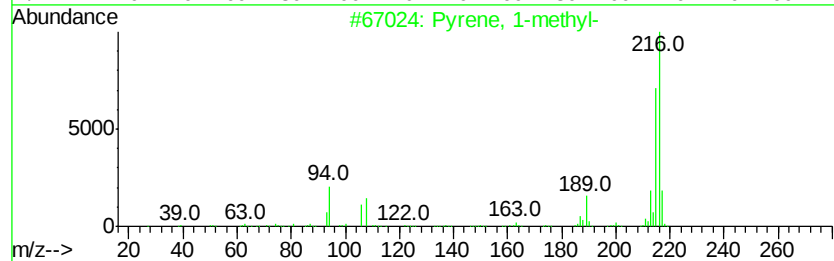
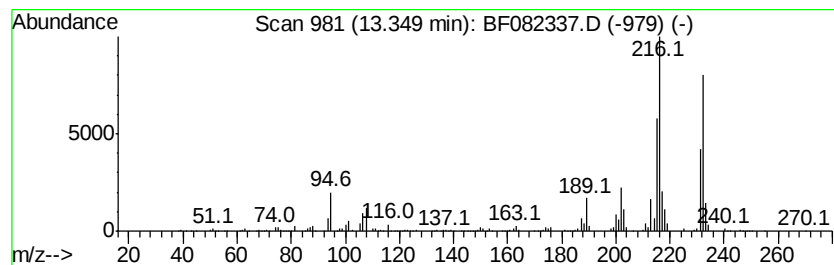
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	11.66 ng	3302620	Chrysene-d12	14.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	42
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	41



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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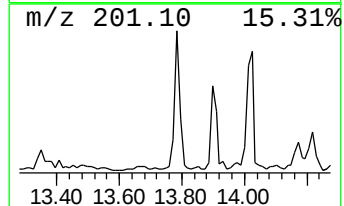
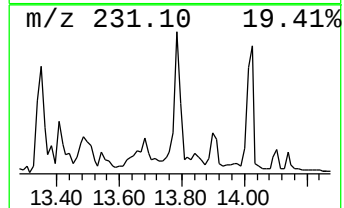
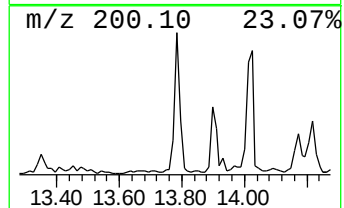
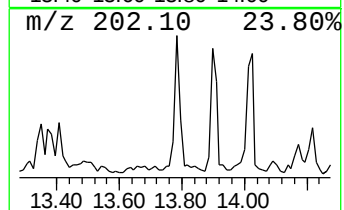
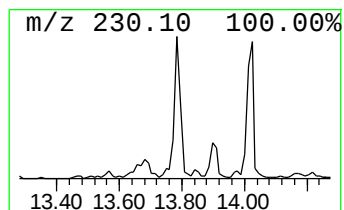
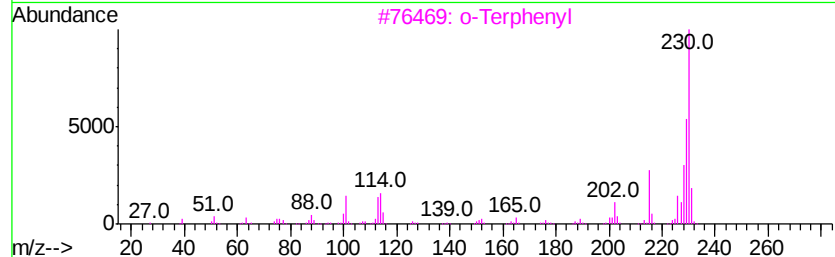
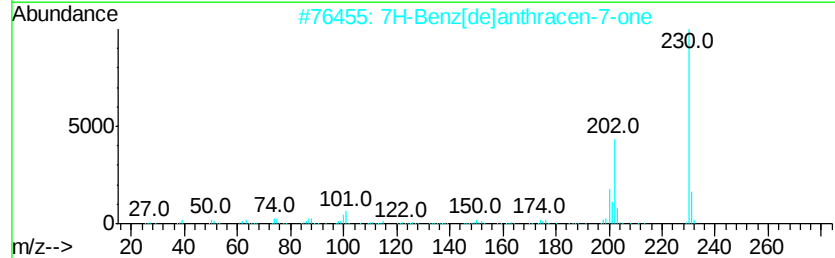
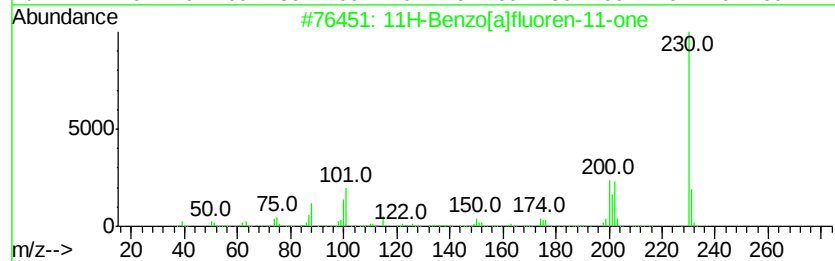
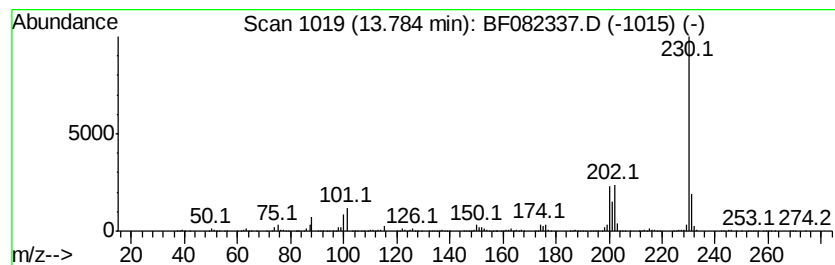
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	10.49 ng	2972840	Chrysene-d12	14.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		o-Terphenyl	230	C18H14	000084-15-1	64
4		4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	53
5		p-Terphenyl	230	C18H14	000092-94-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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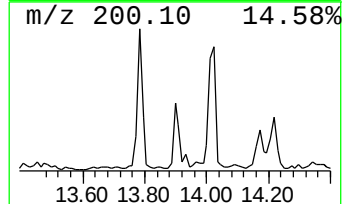
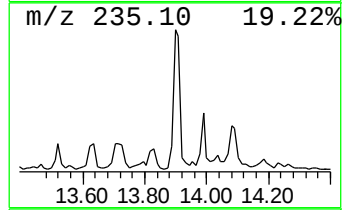
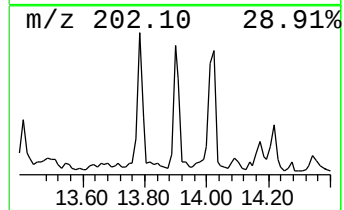
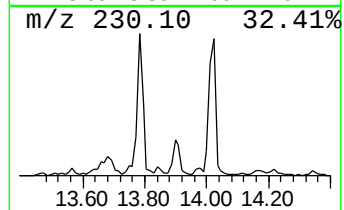
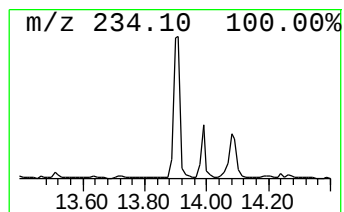
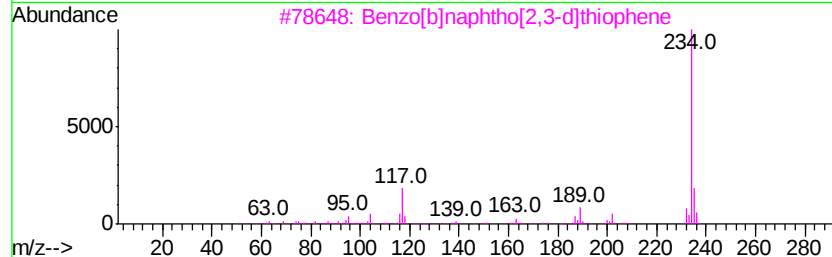
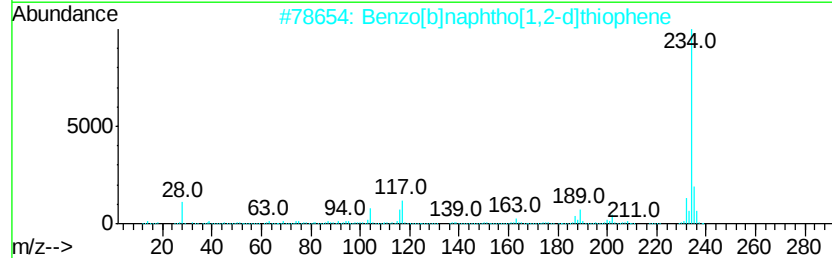
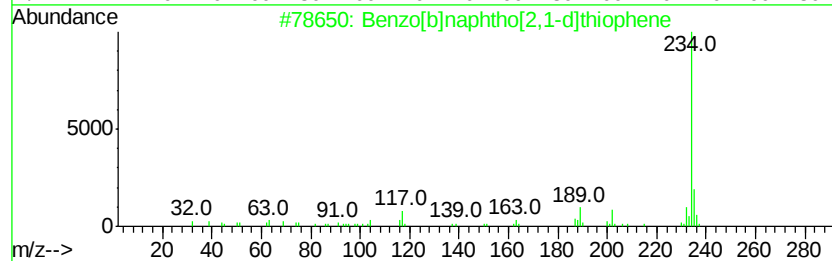
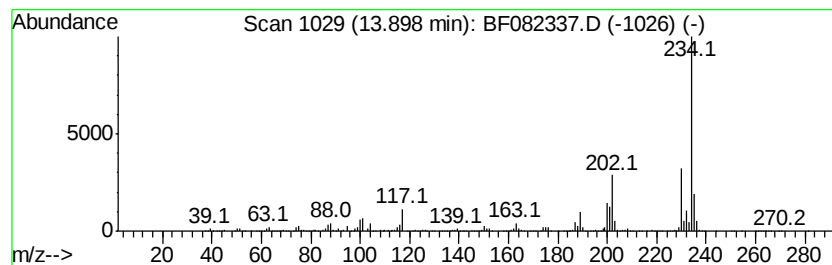
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	15.13 ng	4288540	Chrysene-d12	14.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
4		2-Amino-6-t-butyl-3-cvano-4,5,6,...	234	C13H18N2S	042159-76-2	46
5		Anthra[1,9a,9-cd;5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
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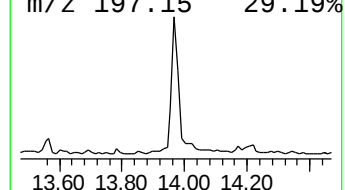
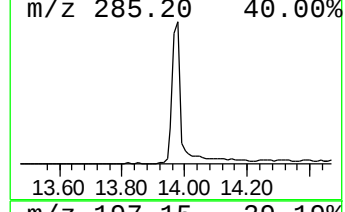
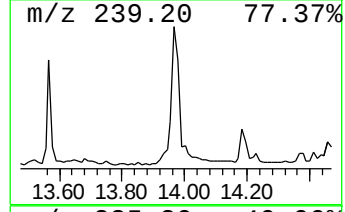
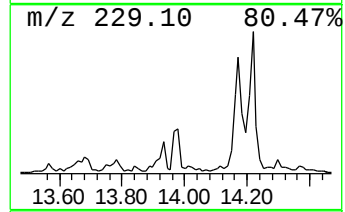
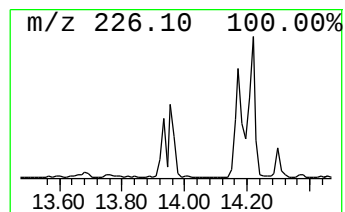
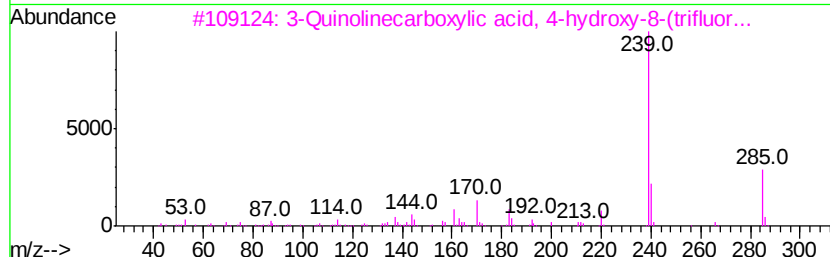
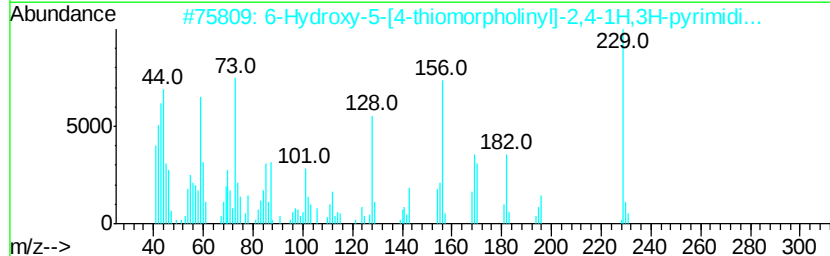
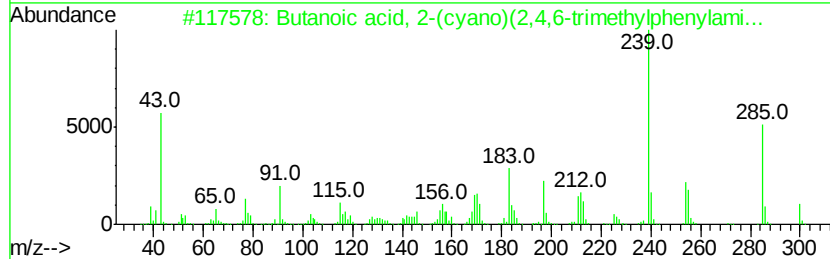
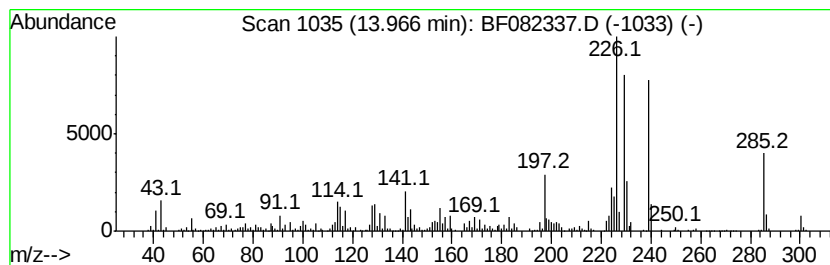
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown13.97 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	8.08 ng	2291000	Chrysene-d12	14.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	30
2		6-Hydroxy-5-[4-thiomorpholinyl]-...	229	C8H11N3O3S	1000212-11-4	25
3		3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3N03	023851-84-5	22
4		Benz[clacridine	229	C17H11N	000225-51-4	15
5		7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	11



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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ALS Vial : 19 Sample Multiplier: 1

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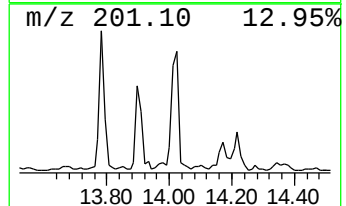
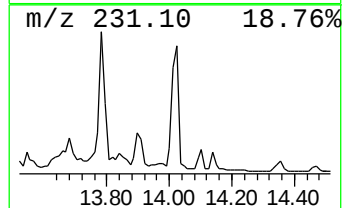
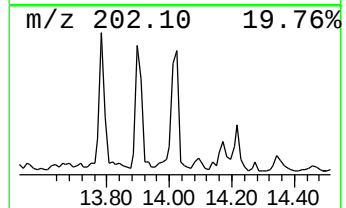
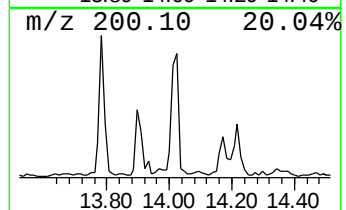
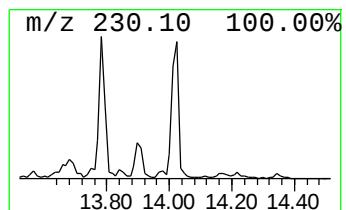
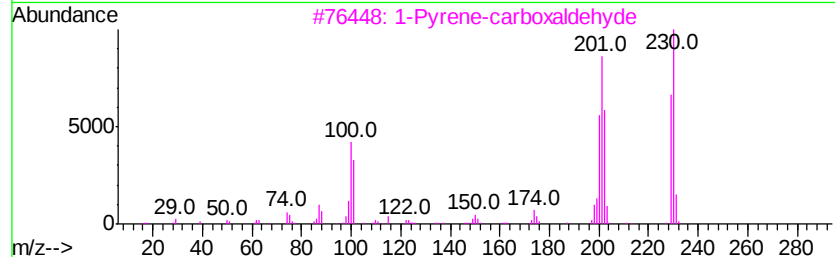
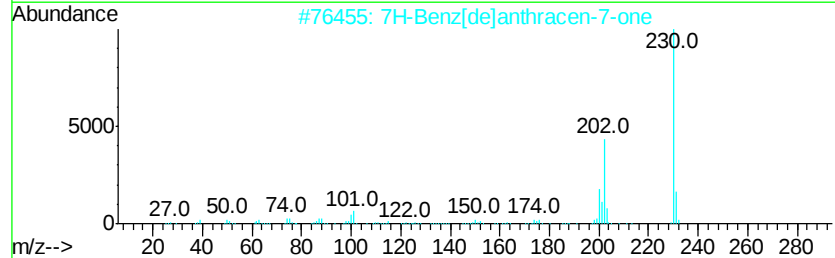
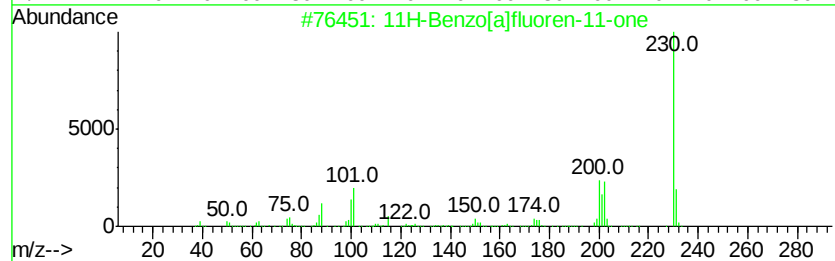
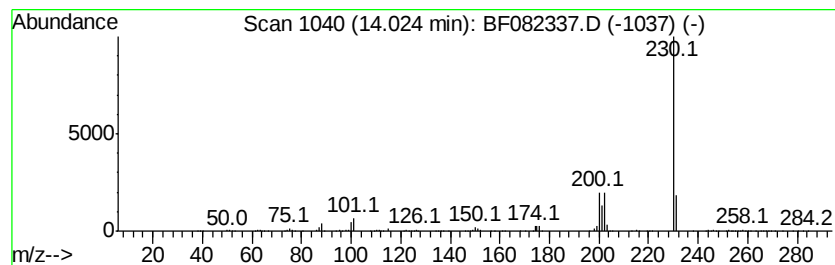
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	11.65 ng	3300360	Chrysene-d12	14.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3		1-Pvrene-carboxaldehyde	230	C17H10O	003029-19-4	72
4		4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
5		o-Terphenyl	230	C18H14	000084-15-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082337.D
Acq On : 16 Oct 2015 20:41
Operator : UM/IZ
Sample : G4046-02 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

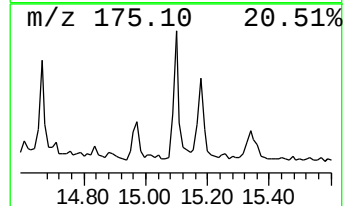
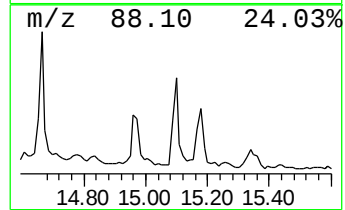
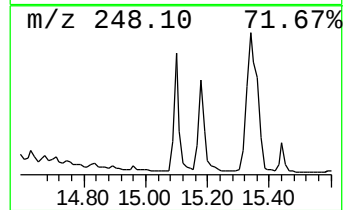
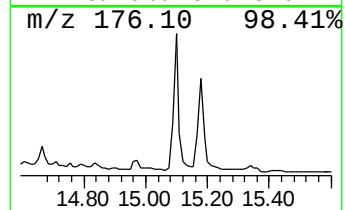
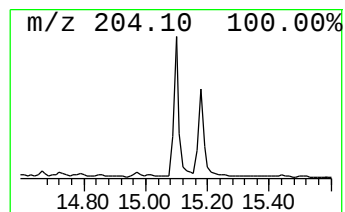
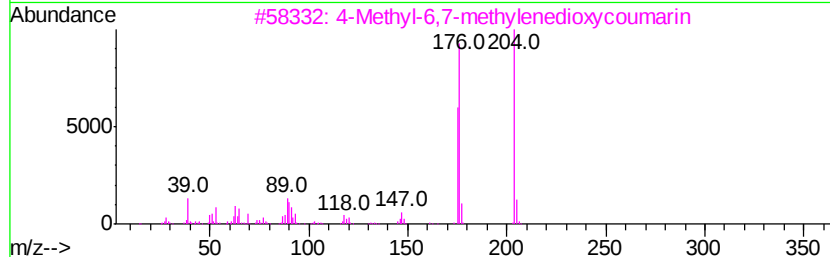
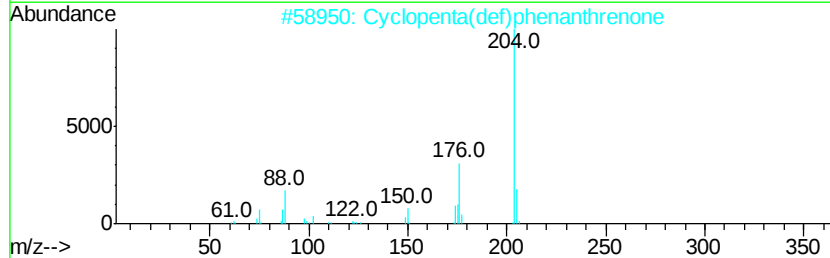
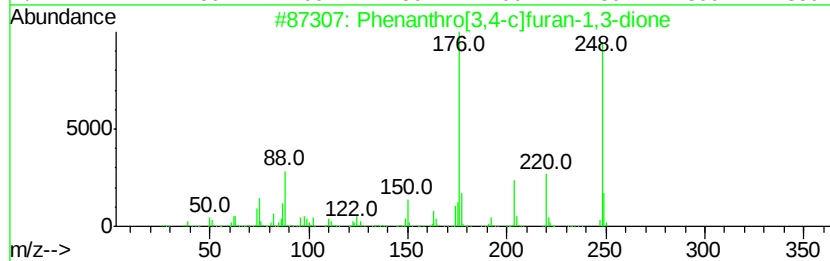
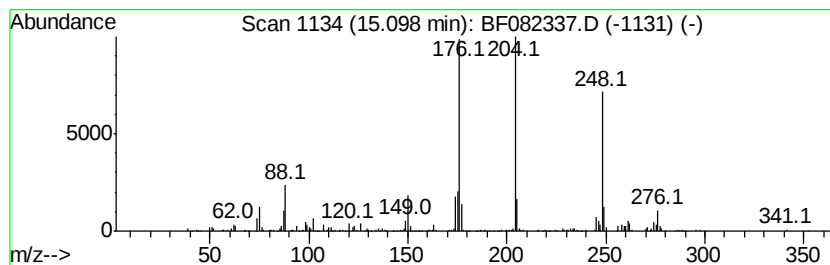
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	12.48 ng	369281	Perylene-d12	15.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	60
2		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
3		4-Methyl-6,7-methylenedioxy coumarin	204	C11H8O4	015071-04-2	38
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	27
5		9-Amino-6-fluorolepidine	176	C10H9FN2	064993-16-4	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082337.D
Acq On : 16 Oct 2015 20:41
Operator : UM/IZ
Sample : G4046-02 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

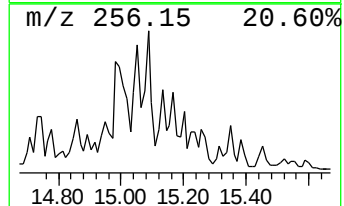
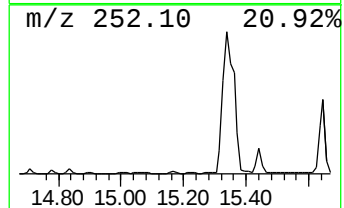
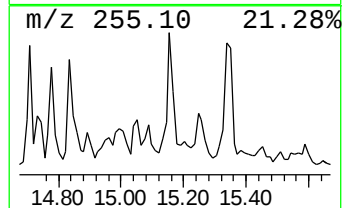
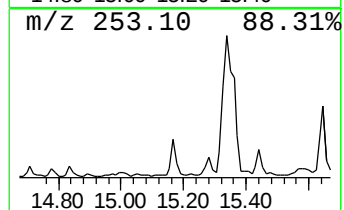
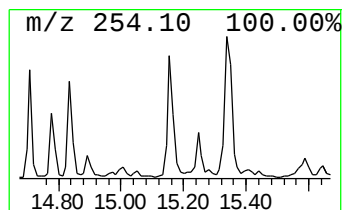
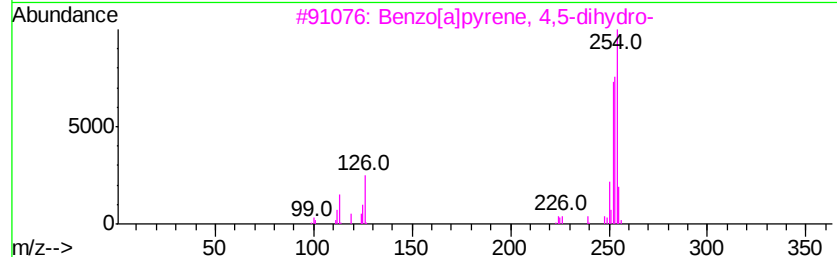
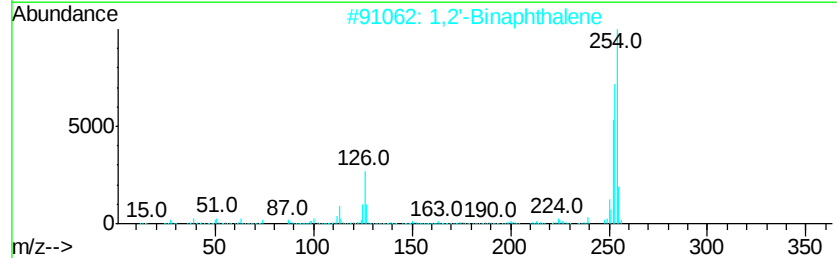
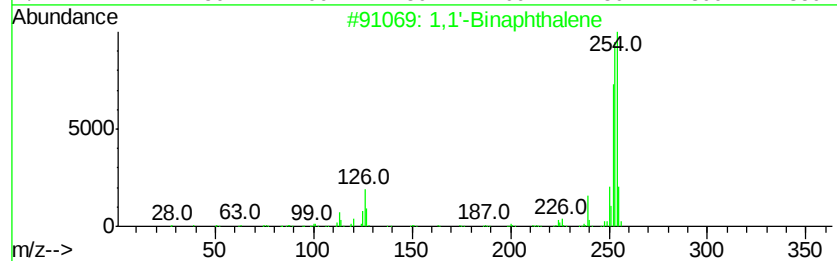
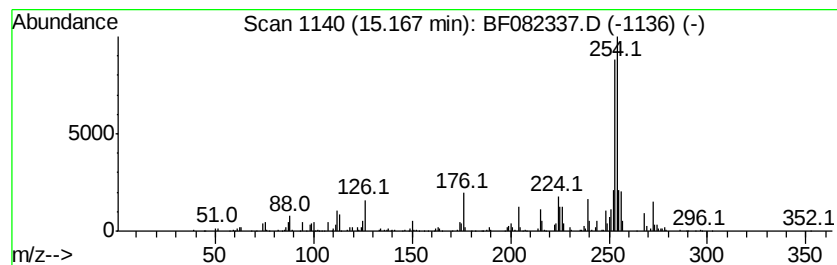
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,1'-Binaphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	24.25 ng	717227	Perylene-d12	15.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
2		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
3		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
4		1H-Indene, 1,1'-(1,2-ethanedivli...	254	C20H14	072088-04-1	62
5		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
 Data File : BF082337.D
 Acq On : 16 Oct 2015 20:41
 Operator : UM/IZ
 Sample : G4046-02 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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
Naphthalene, 1-me...	9.02	11.7	ng	359960	2	8.21	614266	20.0
Naphthalene, 1,7-...	9.54	12.2	ng	554698	3	9.95	911686	20.0
Naphthalene, 1,6-...	9.61	13.2	ng	601280	3	9.95	911686	20.0
Naphthalene, 2,3-...	9.73	9.0	ng	412011	3	9.95	911686	20.0
1-Isopropenylnaph...	10.11	10.7	ng	486785	3	9.95	911686	20.0
3,3'-Dimethylbiph...	10.46	10.3	ng	469230	3	9.95	911686	20.0
Benzene, [1-(2,4-...	10.57	25.2	ng	1148840	3	9.95	911686	20.0
Diphenylmethane	10.59	13.8	ng	626873	3	9.95	911686	20.0
2,4,6-Cycloheptat...	10.66	42.7	ng	1947930	3	9.95	911686	20.0
9,10-Anthracenedi...	12.82	9.9	ng	2796130	5	14.18	5667320	20.0
Fluoranthene, 2-m...	13.13	9.8	ng	2770990	5	14.18	5667320	20.0
11H-Benzo[b]fluorene	13.25	13.9	ng	3940760	5	14.18	5667320	20.0
Pyrene, 1-methyl-	13.35	11.7	ng	3302620	5	14.18	5667320	20.0
11H-Benzo[a]fluor...	13.78	10.5	ng	2972840	5	14.18	5667320	20.0
Benzo[b]naphtho[2...	13.90	15.1	ng	4288540	5	14.18	5667320	20.0
unknown13.97	13.97	8.1	ng	2291000	5	14.18	5667320	20.0
7H-Benz[de]anthra...	14.02	11.7	ng	3300360	5	14.18	5667320	20.0
Phenanthro[3,4-c]...	15.10	12.5	ng	369281	6	15.77	591607	20.0
1,1'-Binaphthalene	15.17	24.3	ng	717227	6	15.77	591607	20.0