

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083893.D
 Acq On : 18 Dec 2015 3:24
 Operator : UM/SJ
 Sample : G4680-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K212-(8-10)

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_F\METHODS\8270-BF121815.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	3.253	95	102	105	rBV	245694	655205	7.82%	0.318%
2	3.424	115	117	121	rVV	445983	783879	9.36%	0.380%
3	5.333	282	284	286	rVV	864914	1085535	12.96%	0.526%
4	5.482	295	297	299	rVB	946948	1344942	16.05%	0.652%
5	5.710	313	317	325	rBV	2826319	5818578	69.45%	2.822%
6	6.407	373	378	379	rBV2	907273	1372964	16.39%	0.666%
7	6.430	379	380	383	rVB	635500	635089	7.58%	0.308%
8	6.522	385	388	390	rVB	1017375	1350363	16.12%	0.655%
9	6.567	390	392	393	rBV	970368	1066358	12.73%	0.517%
10	6.602	393	395	397	rVB	611489	894193	10.67%	0.434%
11	6.647	397	399	402	rVB	1497013	1470674	17.55%	0.713%
12	6.739	402	407	408	rBV2	4395484	8378669	100.00%	4.064%
13	6.773	408	410	412	rVB	3379951	3616115	43.16%	1.754%
14	7.036	431	433	434	rBV	1407767	1290481	15.40%	0.626%
15	7.059	434	435	437	rVB	766842	782418	9.34%	0.379%
16	7.150	437	443	446	rBV2	2593547	3901235	46.56%	1.892%
17	7.207	446	448	449	rBV	872966	955343	11.40%	0.463%
18	7.356	459	461	462	rBV	420778	709277	8.47%	0.344%
19	7.390	462	464	466	rBV2	657761	945744	11.29%	0.459%
20	7.425	466	467	468	rVV	1579352	1504468	17.96%	0.730%
21	7.516	472	475	477	rBV	2144522	4004281	47.79%	1.942%
22	7.550	477	478	481	rVB2	1541082	1734588	20.70%	0.841%
23	7.653	485	487	488	rBV2	915192	1071044	12.78%	0.519%
24	7.687	488	490	492	rVB2	841975	1163904	13.89%	0.564%
25	7.756	492	496	500	rBV2	3218408	6962950	83.10%	3.377%
26	7.928	506	511	513	rBV3	2352003	4615474	55.09%	2.239%
27	7.985	513	516	519	rVB	2326595	4198534	50.11%	2.036%
28	8.042	519	521	523	rBV2	805185	965034	11.52%	0.468%
29	8.156	530	531	533	rBV2	623599	826932	9.87%	0.401%
30	8.190	533	534	535	rBV	850895	642383	7.67%	0.312%
31	8.362	544	549	550	rBV5	430438	1210816	14.45%	0.587%
32	8.396	550	552	555	rVV	2956735	4375999	52.23%	2.122%
33	8.465	555	558	560	rVV	3521772	5432386	64.84%	2.635%
34	8.556	565	566	568	rVV	663511	1057765	12.62%	0.513%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.602	568	570	571 rVV	1302990	1577929	18.83%	0.765%
36	8.636	571	573	575 rVV2	1122371	1780156	21.25%	0.863%
37	8.682	575	577	579 rVV	1657368	1808771	21.59%	0.877%
38	8.739	579	582	583 rVV2	447546	964531	11.51%	0.468%
39	8.762	583	584	586 rVV2	603069	1058241	12.63%	0.513%
40	8.830	588	590	592 rVV3	902432	1658178	19.79%	0.804%
41	8.888	592	595	597 rVB2	2463570	3169281	37.83%	1.537%
42	8.945	597	600	602 rBV	1096165	1919621	22.91%	0.931%
43	8.990	602	604	608 rVV	2801384	3928025	46.88%	1.905%
44	9.082	608	612	614 rVV3	1067117	2562616	30.59%	1.243%
45	9.173	618	620	621 rVV	1459938	1762478	21.04%	0.855%
46	9.208	621	623	624 rVV	1576368	2044473	24.40%	0.992%
47	9.242	624	626	629 rVV2	1391442	2418978	28.87%	1.173%
48	9.345	631	635	636 rVV3	737562	1616215	19.29%	0.784%
49	9.402	636	640	643 rVV3	1024000	2811625	33.56%	1.364%
50	9.448	643	644	647 rVV2	1016491	1686577	20.13%	0.818%
51	9.528	647	651	652 rVV3	1987886	3455891	41.25%	1.676%
52	9.551	652	653	654 rVV	914951	983792	11.74%	0.477%
53	9.596	654	657	658 rVV	2914642	3998212	47.72%	1.939%
54	9.653	660	662	664 rVV3	2110913	4079714	48.69%	1.979%
55	9.711	666	667	669 rVV	1557924	1949095	23.26%	0.945%
56	9.791	672	674	676 rVV	1573615	2104447	25.12%	1.021%
57	9.836	676	678	680 rVV2	613680	1226862	14.64%	0.595%
58	9.905	683	684	687 rVV3	972191	2030693	24.24%	0.985%
59	9.962	687	689	694 rVV6	760758	2184088	26.07%	1.059%
60	10.042	694	696	698 rVV	868758	1324569	15.81%	0.642%
61	10.076	698	699	700 rVV	526399	629550	7.51%	0.305%
62	10.133	702	704	706 rVV	1519000	2069831	24.70%	1.004%
63	10.179	706	708	712 rVB3	1478638	2111999	25.21%	1.024%
64	10.248	712	714	716 rBV2	1292686	2436830	29.08%	1.182%
65	10.339	720	722	725 rVV4	1056628	2310344	27.57%	1.121%
66	10.431	728	730	732 rVV3	793883	1177224	14.05%	0.571%
67	10.476	732	734	737 rVV3	1002715	1900405	22.68%	0.922%
68	10.545	737	740	741 rVV3	560260	1121039	13.38%	0.544%
69	10.591	742	744	746 rVV	2031117	2104354	25.12%	1.021%
70	10.636	746	748	752 rVV4	517879	1267803	15.13%	0.615%
71	10.716	753	755	757 rVB3	763093	1051919	12.55%	0.510%

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72	10.865	764	768	770	rBV2	2343972	3793071	45.27%	1.840%
73	11.025	780	782	783	rBV	527281	776170	9.26%	0.376%
74	11.059	783	785	788	rVB3	798856	956692	11.42%	0.464%
75	11.322	806	808	809	rBV2	1505106	1773348	21.17%	0.860%
76	11.448	816	819	822	rVB	1759374	2245944	26.81%	1.089%
77	11.539	824	827	830	rBV	1768457	2423854	28.93%	1.176%
78	11.665	835	838	841	rBV	2456689	3602750	43.00%	1.747%
79	11.722	841	843	844	rVB	1301157	1285558	15.34%	0.623%
80	11.779	844	848	850	rVB2	1618884	2576426	30.75%	1.250%
81	11.836	850	853	855	rVB	2068293	2517269	30.04%	1.221%
82	11.939	859	862	866	rBV4	2295101	6837188	81.60%	3.316%
83	12.054	869	872	875	rBV3	1414454	3572061	42.63%	1.732%
84	12.202	883	885	890	rBV2	998830	2520461	30.08%	1.222%
85	12.671	923	926	927	rBV2	1224588	1357654	16.20%	0.658%
86	12.888	943	945	948	rBV2	1489306	2479044	29.59%	1.202%
87	12.934	948	949	951	rVB	652603	735548	8.78%	0.357%
88	13.014	952	956	957	rVV2	992815	1622437	19.36%	0.787%
89	13.094	961	963	967	rBV4	771923	1572221	18.76%	0.763%
90	13.208	969	973	974	rVB	759573	1533885	18.31%	0.744%
91	13.311	980	982	988	rVB	877536	1299077	15.50%	0.630%
92	13.402	988	990	991	rBV	707324	735112	8.77%	0.357%
93	14.065	1045	1048	1049	rBV	1243060	1975109	23.57%	0.958%
94	14.100	1049	1051	1055	rVB	1296846	1964799	23.45%	0.953%
95	14.454	1080	1082	1084	rBV	564652	876910	10.47%	0.425%
96	15.105	1137	1139	1145	rVB	591714	1270401	15.16%	0.616%
97	15.403	1162	1165	1167	rVB	377450	619437	7.39%	0.300%
98	15.460	1168	1170	1173	rVB2	526529	687669	8.21%	0.334%
99	16.180	1231	1233	1238	rVB	284873	629988	7.52%	0.306%
100	16.603	1268	1270	1280	rVB2	372676	834118	9.96%	0.405%

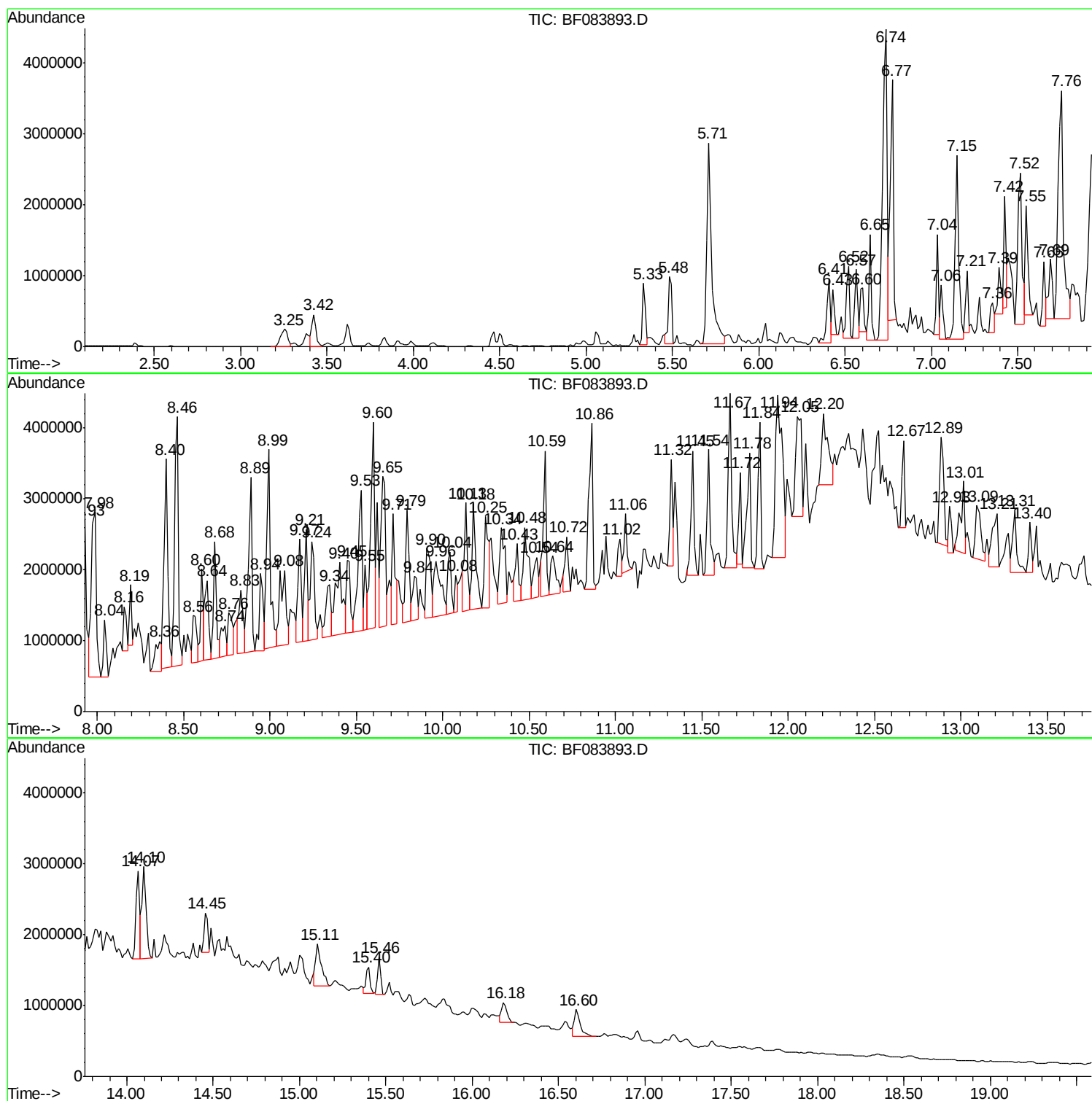
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Instrument :
BNA_F
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K212-(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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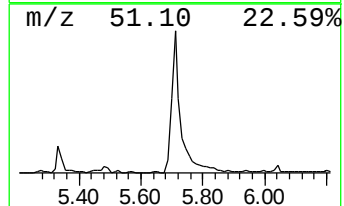
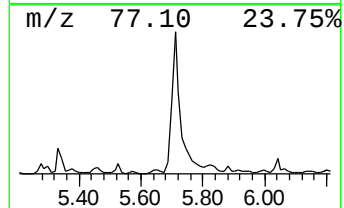
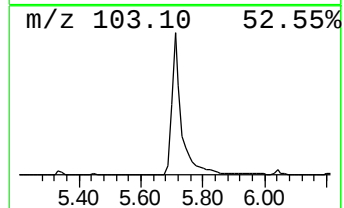
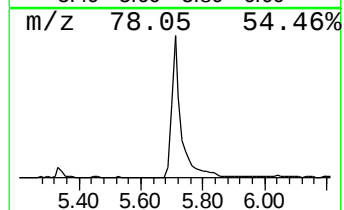
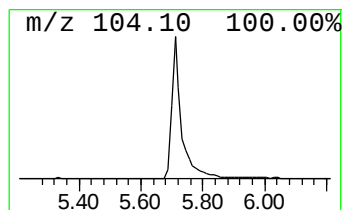
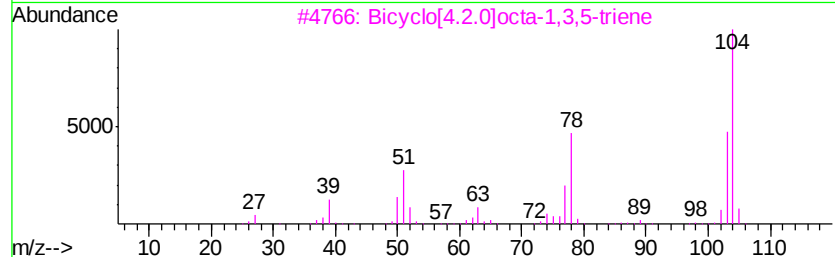
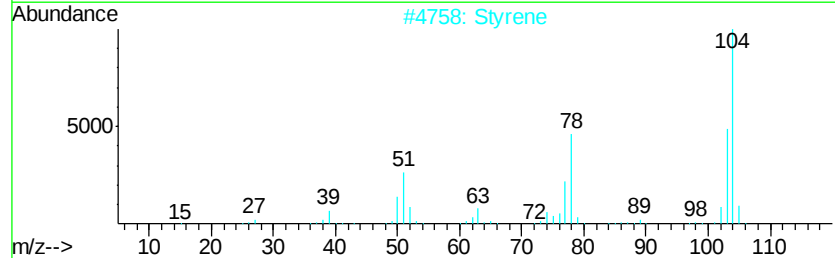
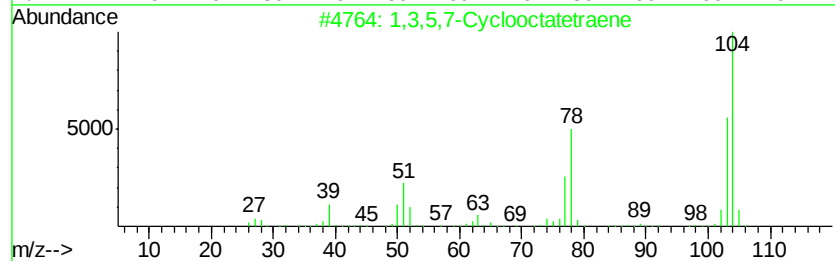
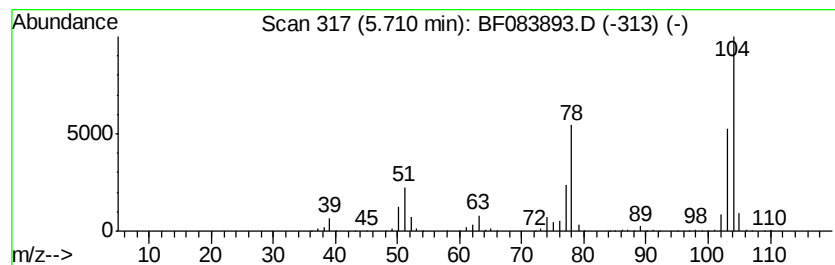
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 1,3,5,7-Cyclooctatetraene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	32.18 ng	5818580	1,4-Dichlorobenzene-d4	6.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	97
2			Styrene	104	C8H8	000100-42-5	96
3			Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
4			Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	72
5			2-Pyridinecarbonitrile	104	C6H4N2	000100-70-9	47



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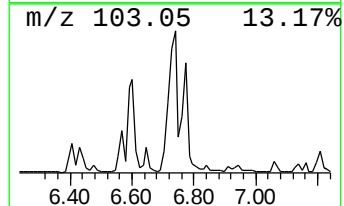
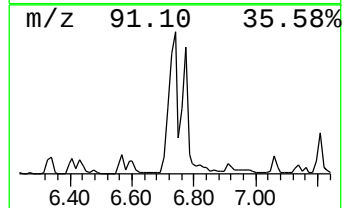
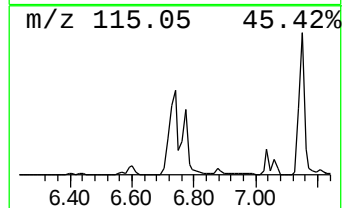
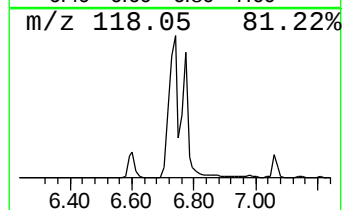
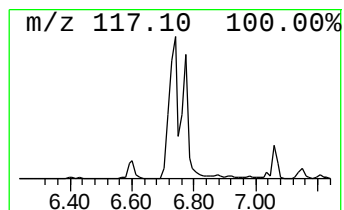
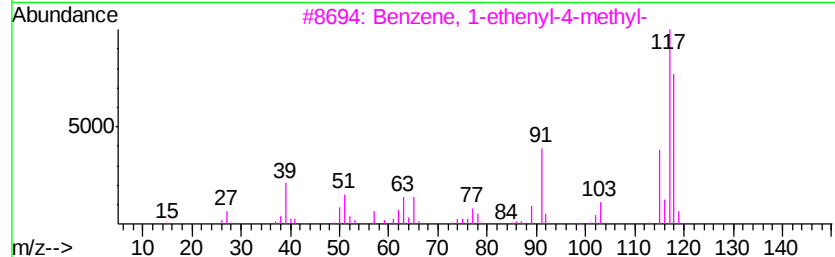
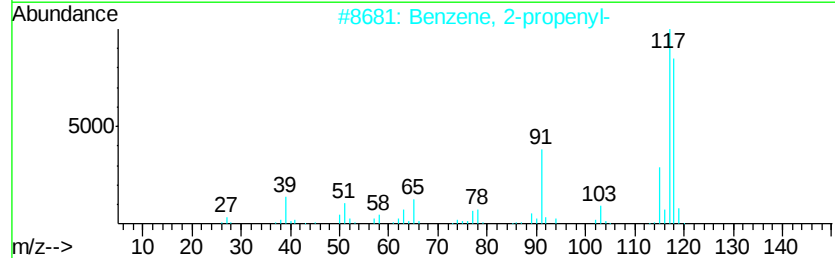
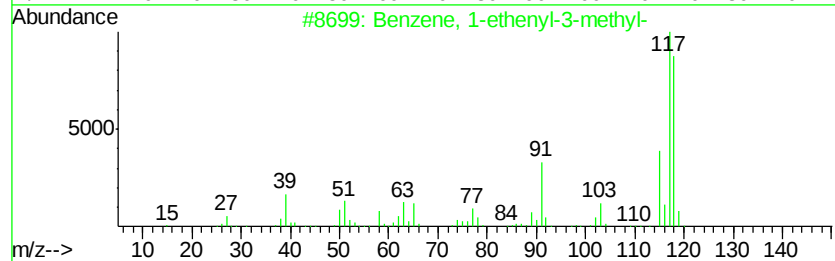
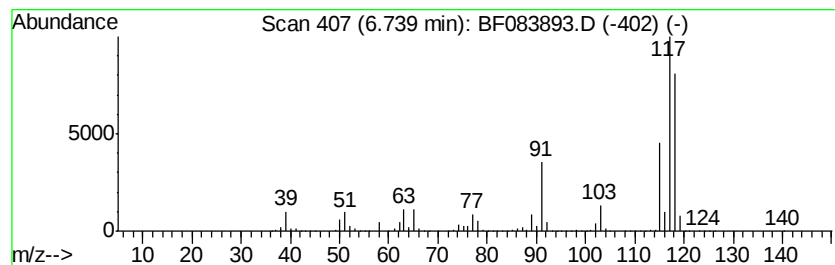
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	46.34 ng	8378670	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
3		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	93



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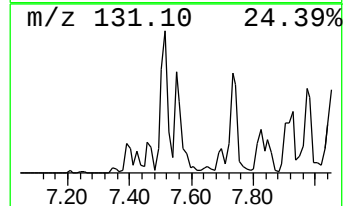
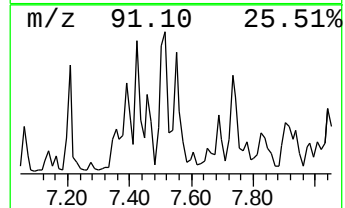
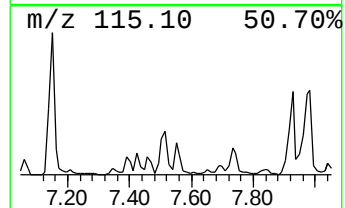
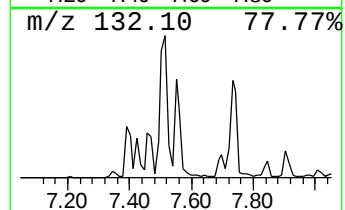
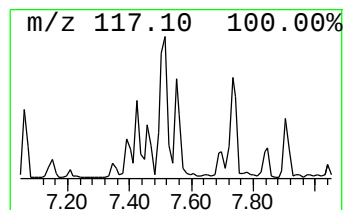
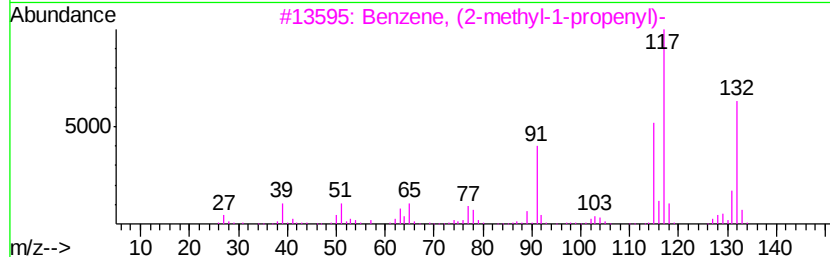
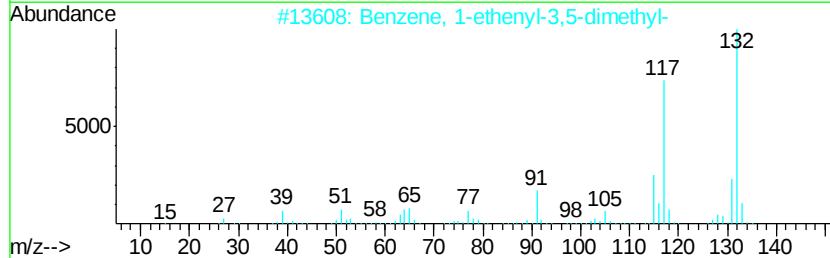
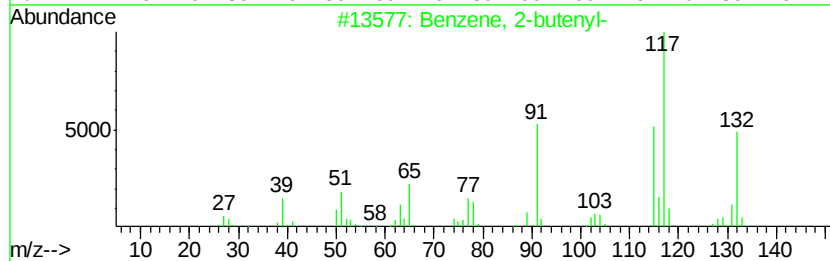
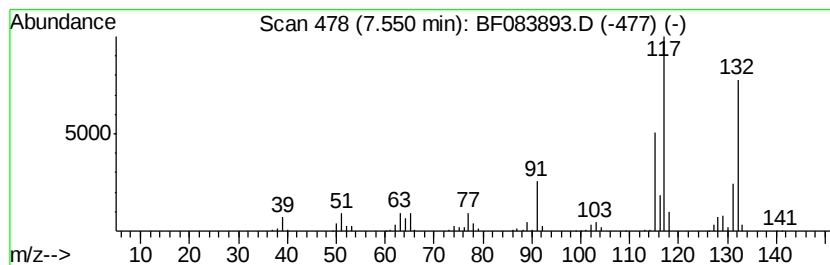
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 2-butenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	41.95 ng	1734590	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
2		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
5		2,4-Dimethylstyrene	132	C10H12	002234-20-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
Operator : UM/SJ
Sample : G4680-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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BNA_F
ClientSampleId :
K212-(8-10)

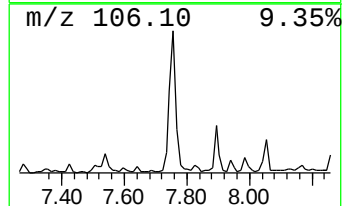
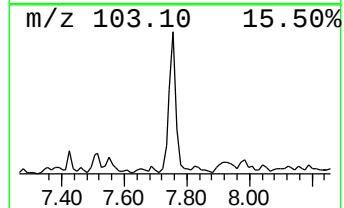
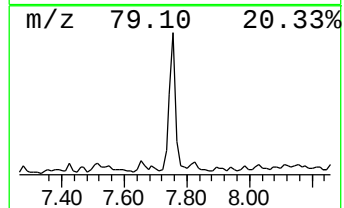
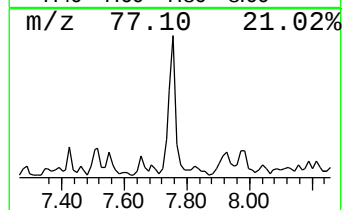
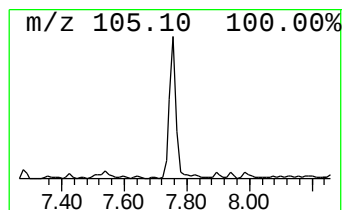
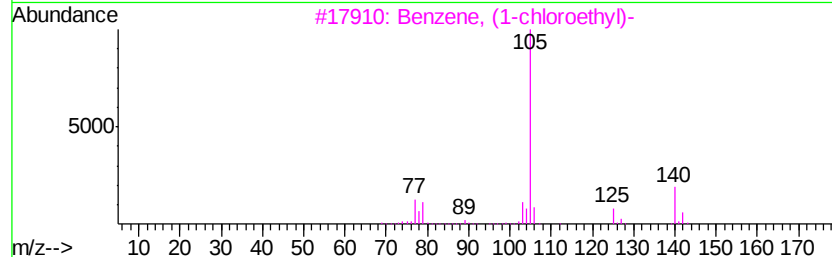
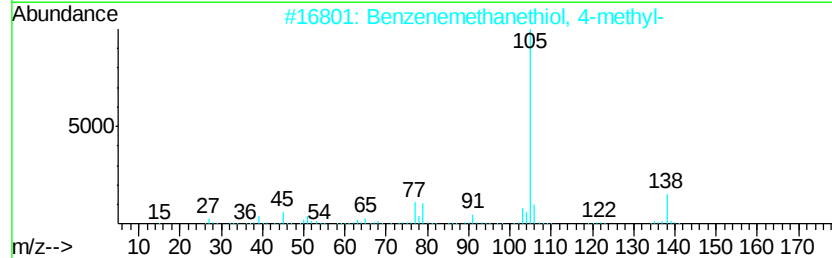
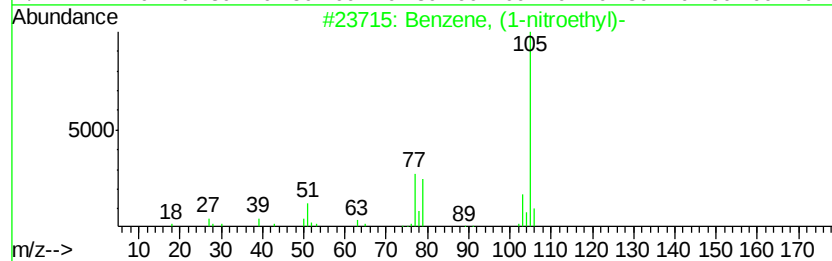
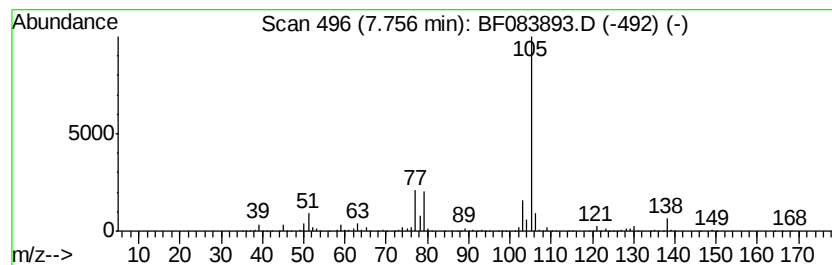
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, (1-nitroethyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	168.40 ng	6962950	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	86
2		Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	83
3		Benzene, (1-chloroethyl)-	140	C8H9Cl	000672-65-1	78
4		1,3,5-Cycloheptatriene, 7,7-dime...	120	C9H12	007557-11-1	72
5		3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
Operator : UM/SJ
Sample : G4680-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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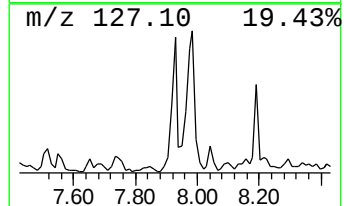
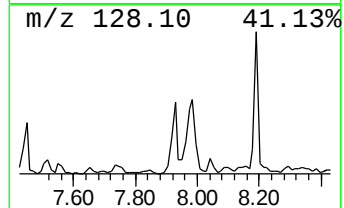
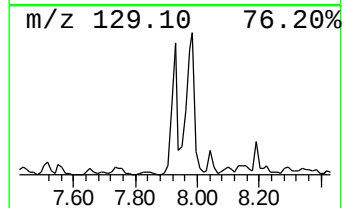
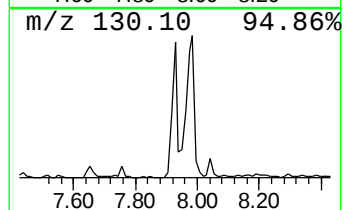
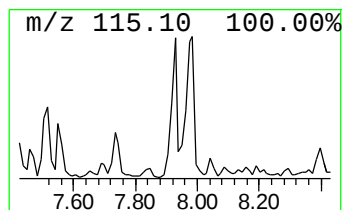
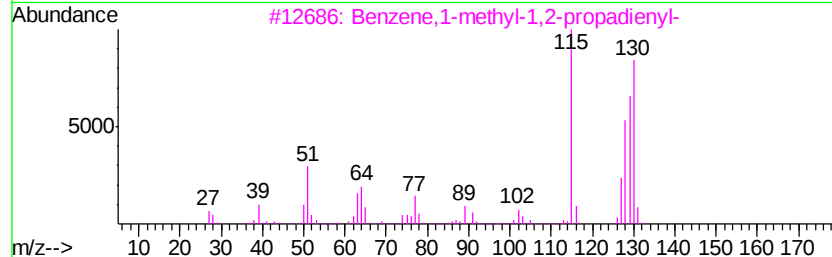
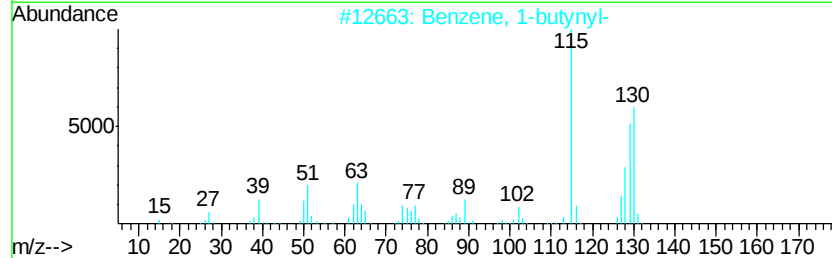
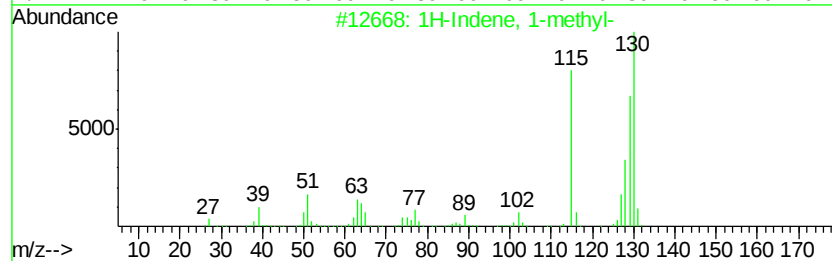
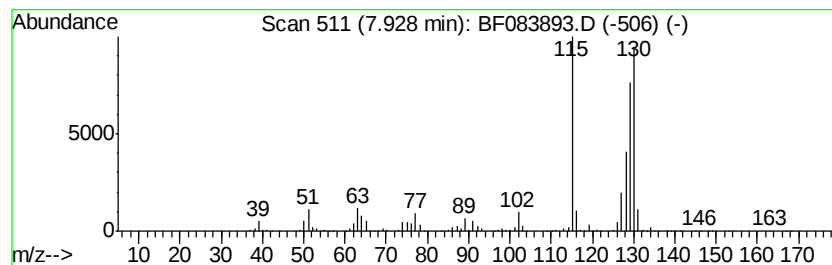
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1H-Indene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	111.63 ng	4615470	Naphthalene-d8	8.17

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
2		Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
3		Benzene, 1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4		2-Methylindene	130	C10H10	002177-47-1	91
5		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
Operator : UM/SJ
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Misc :
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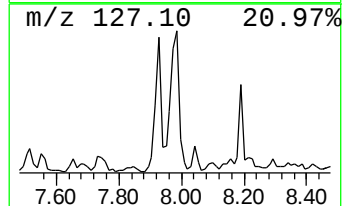
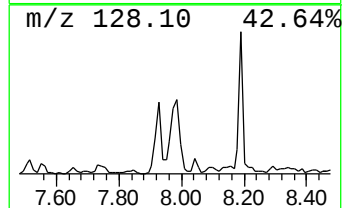
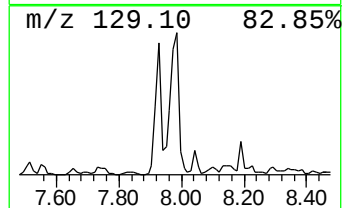
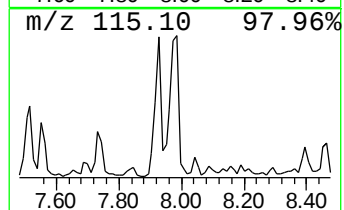
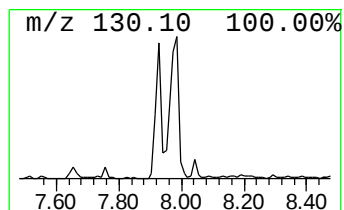
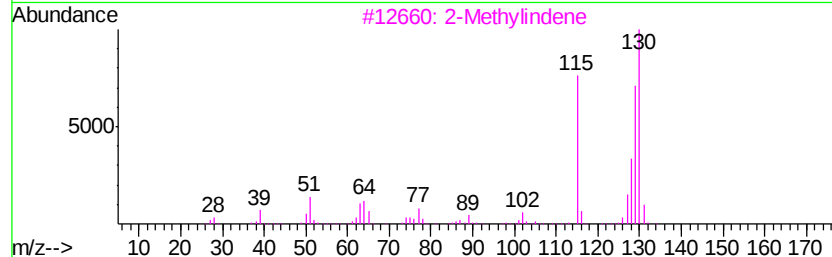
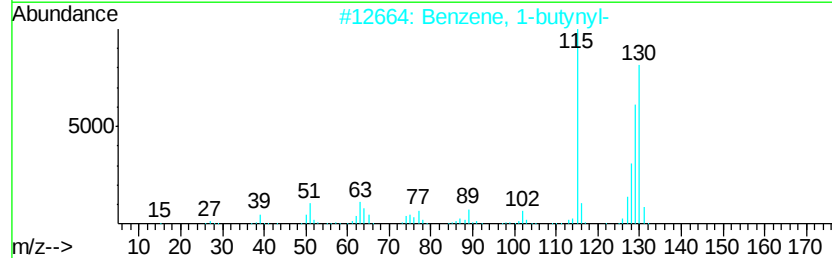
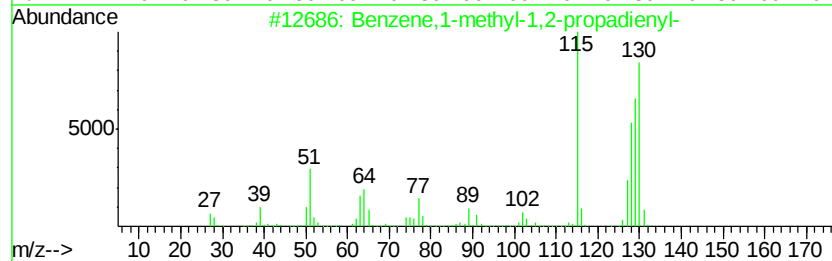
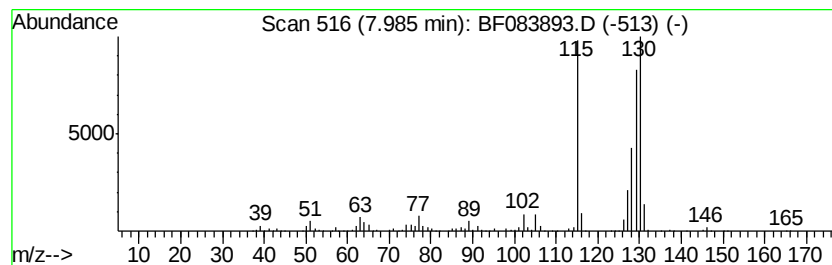
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene,1-methyl-1,2-propad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	101.55 ng	4198530	Napthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
2		Benzene, 1-butynyl-	130	C10H10	000622-76-4	91
3		2-Methylindene	130	C10H10	002177-47-1	91
4		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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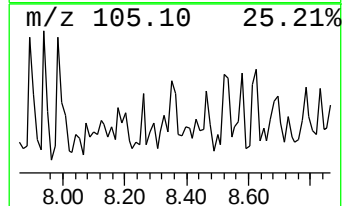
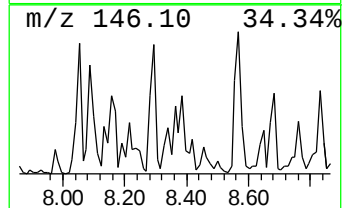
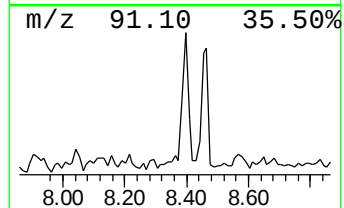
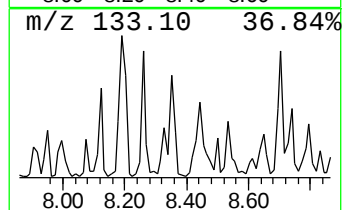
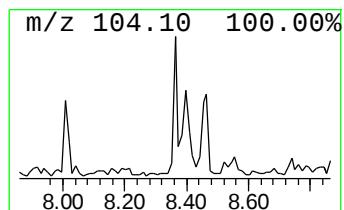
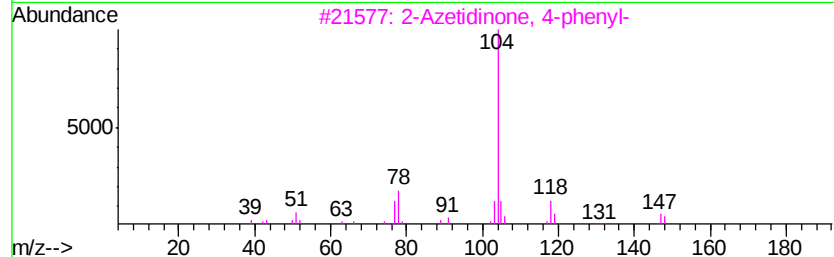
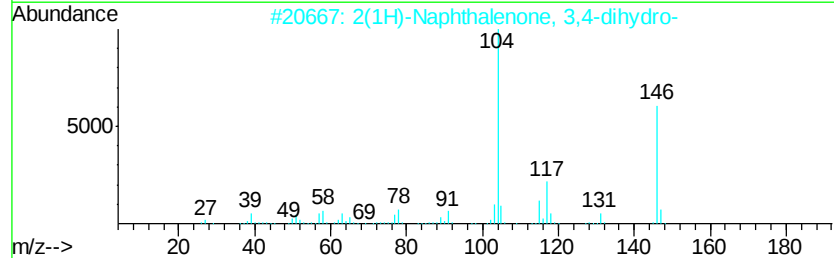
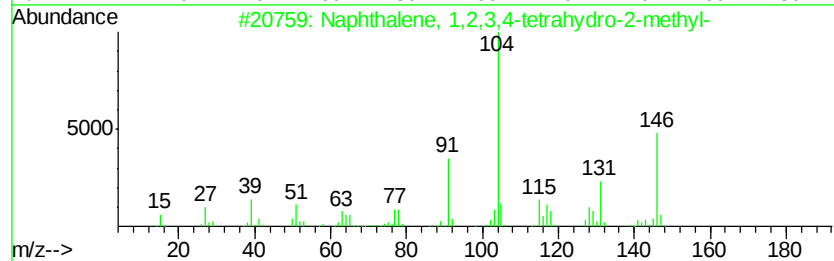
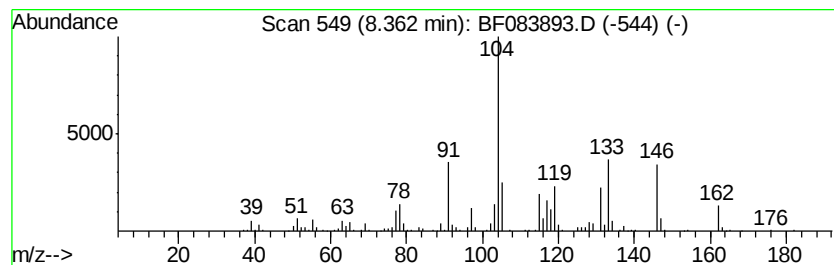
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	29.28 ng	1210820	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	62
2		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	46
3		2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	38
4		Benzeneethanol, .alpha.,.alpha.-...	162	C11H14O	025982-72-3	38
5		p-Toluylic acid, 2-phenylethyl e...	240	C16H16O2	203587-50-2	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
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Misc :
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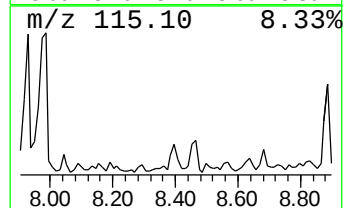
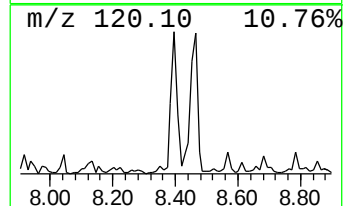
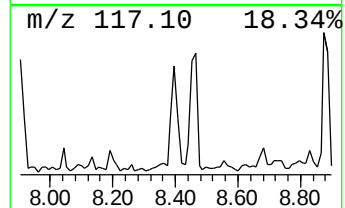
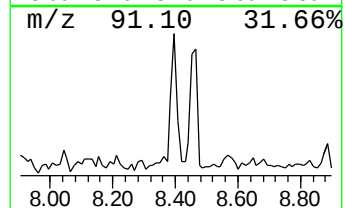
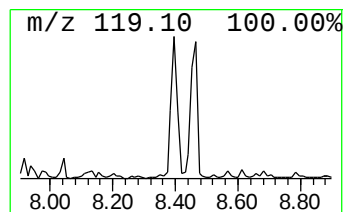
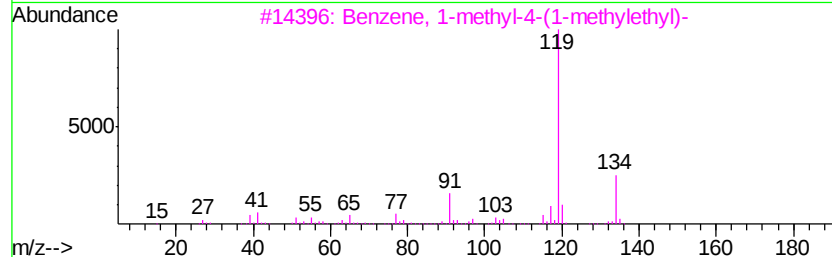
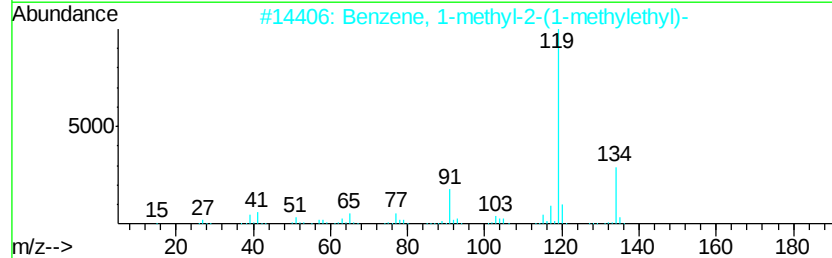
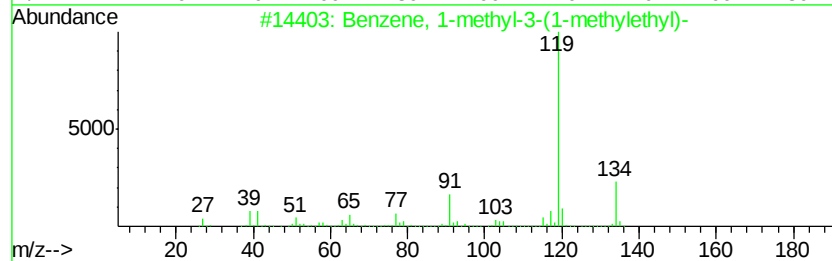
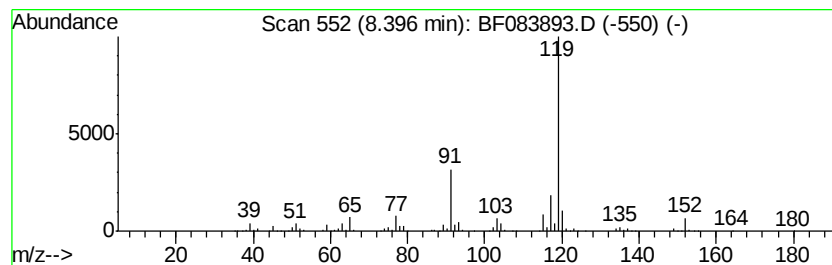
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	105.84 ng	4376000	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	87
3		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	86
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	80
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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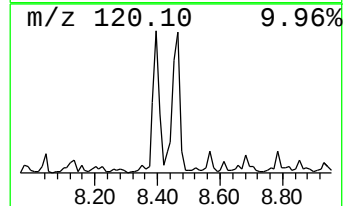
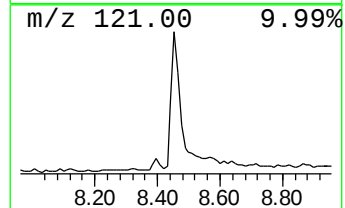
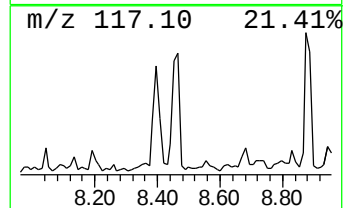
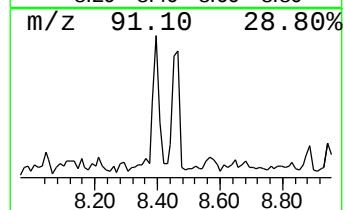
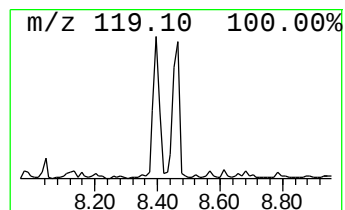
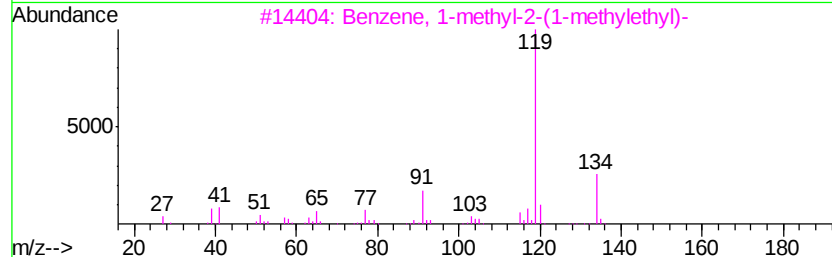
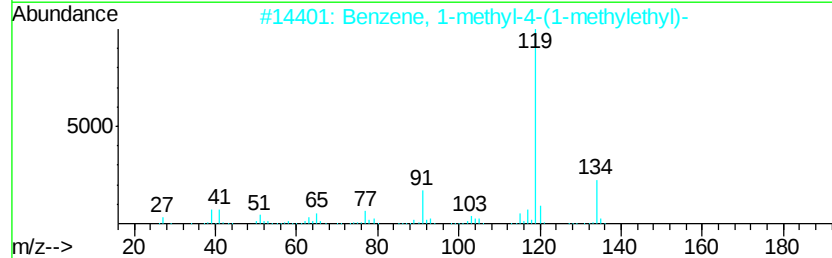
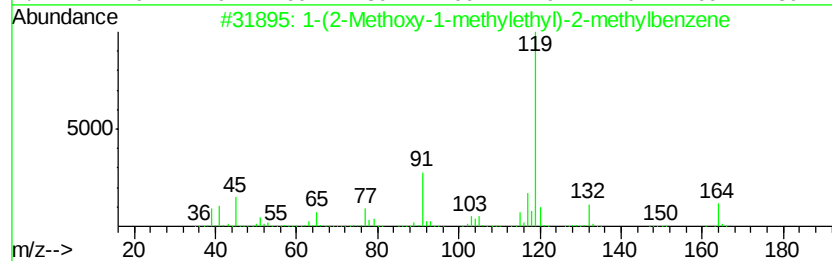
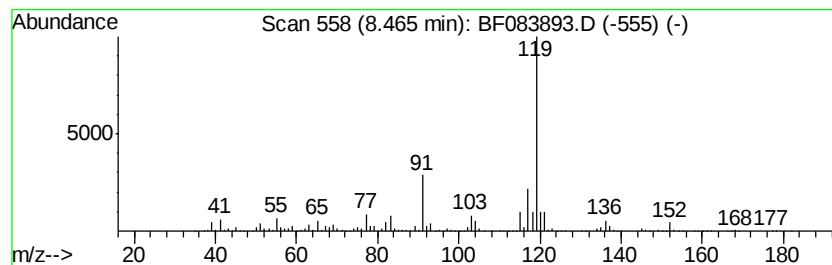
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1-(2-Methoxy-1-methylethyl)... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	131.39 ng	5432390	Napthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-(2-Methoxy-1-methylethyl)-2-me...	164	C11H16O	1000210-02-1	72
2		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	70
3		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	70
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	62
5		3,4-Dimethylbenzyl isothiocyanate	177	C10H11NS	206559-59-3	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
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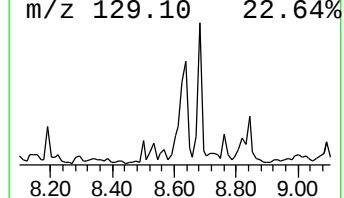
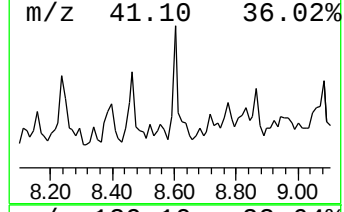
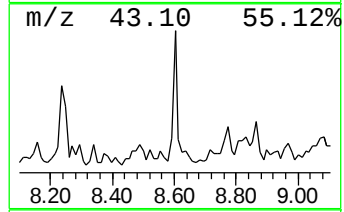
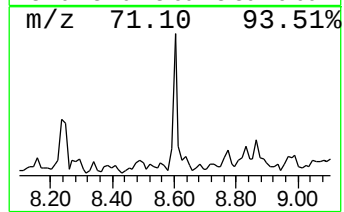
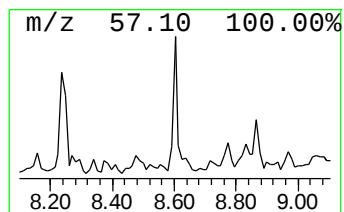
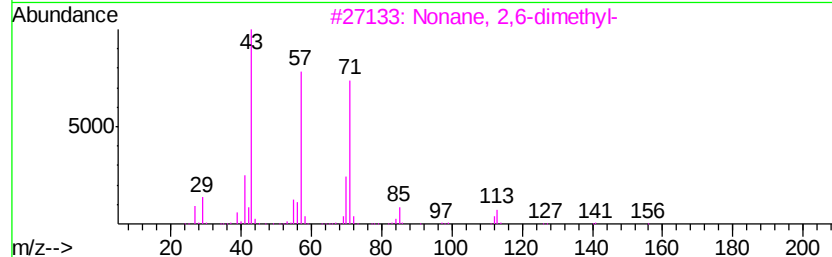
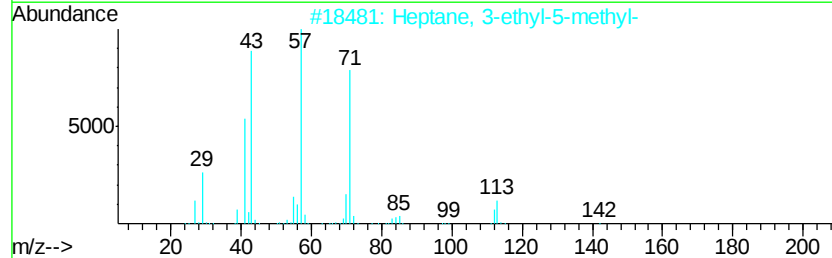
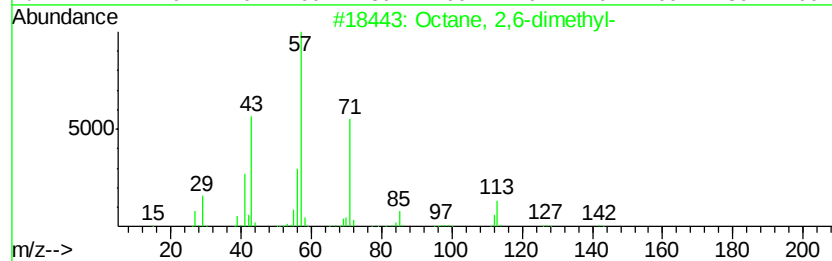
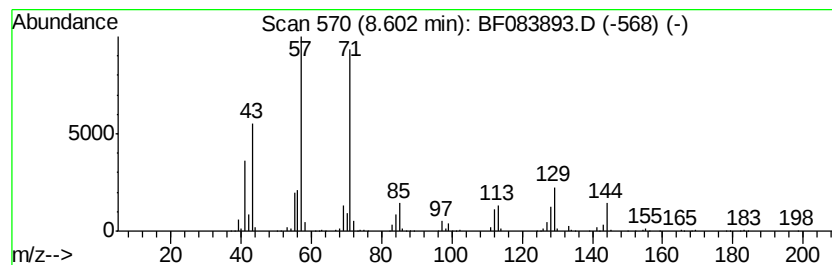
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	38.16 ng	1577930	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	53
3		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	53
4		Octane, 2-bromo-	192	C8H17Br	000557-35-7	47
5		3-Hexanone, 4-ethyl-	128	C8H16O	006137-12-8	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
Operator : UM/SJ
Sample : G4680-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
K212-(8-10)

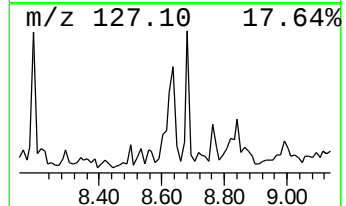
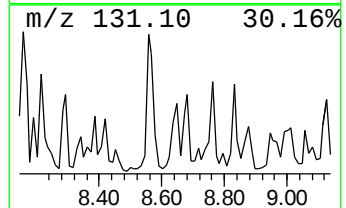
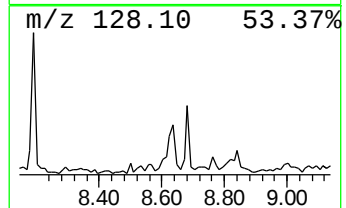
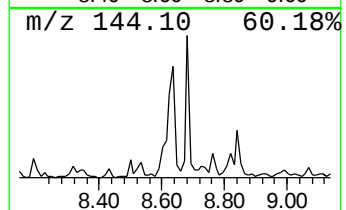
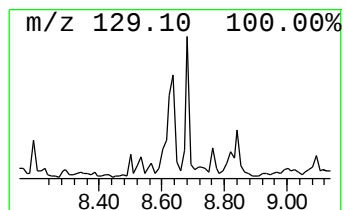
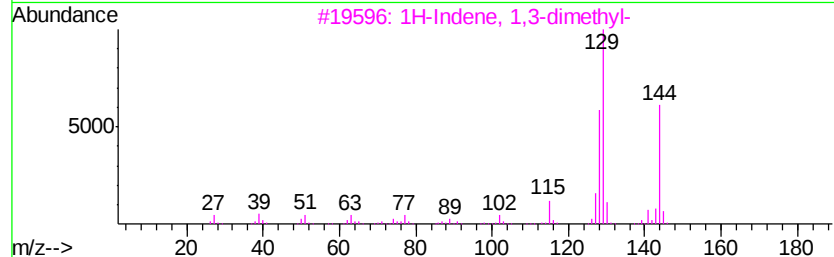
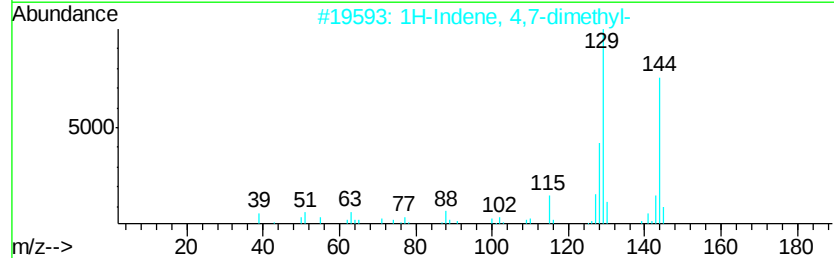
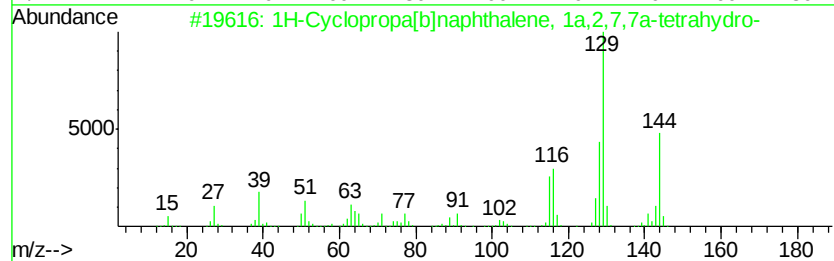
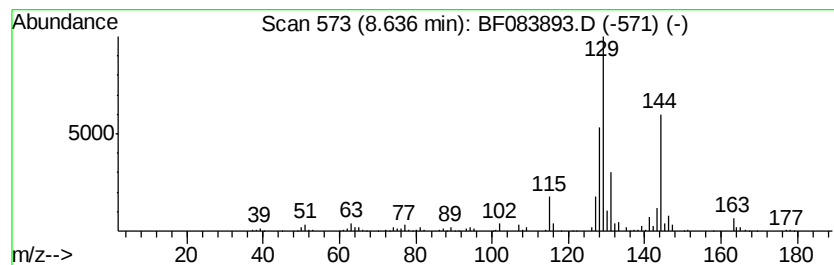
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Cyclopropa[b]naphthalene... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	43.05 ng	1780160	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	87
2		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	87
3		1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	83
4		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	76
5		Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
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Misc :
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ClientSampleId :
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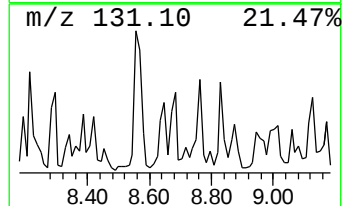
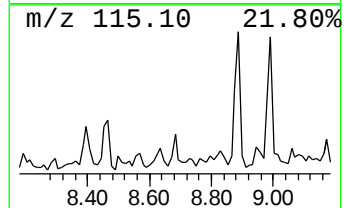
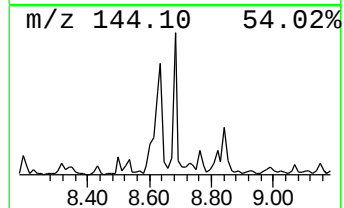
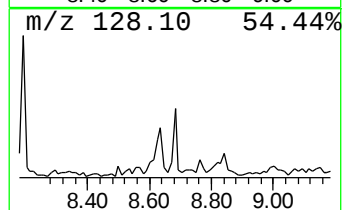
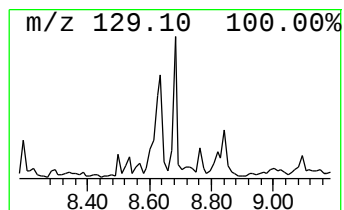
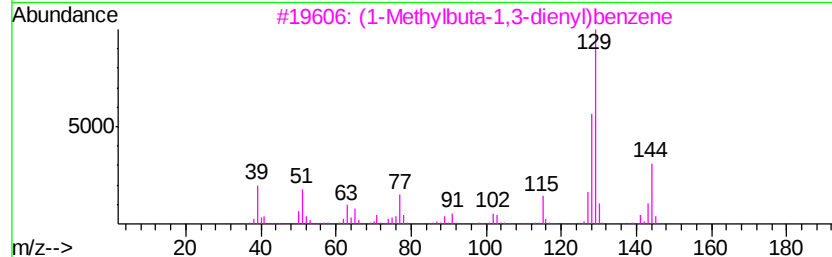
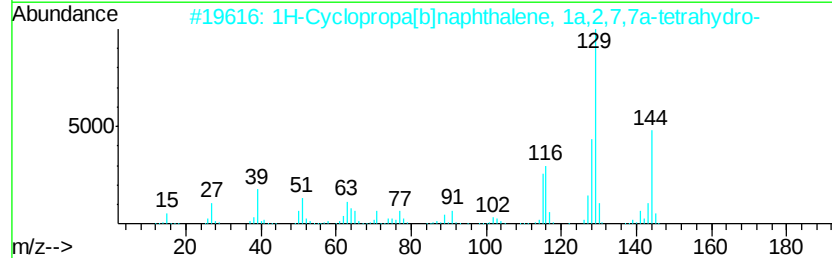
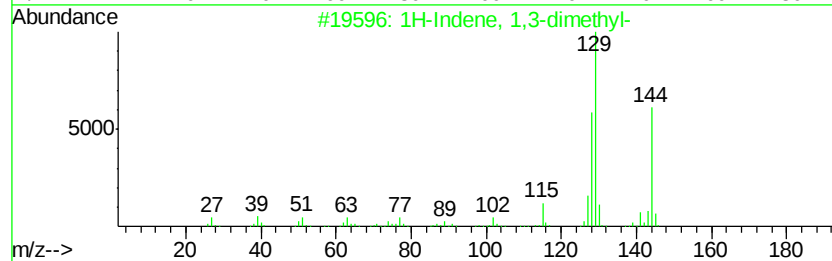
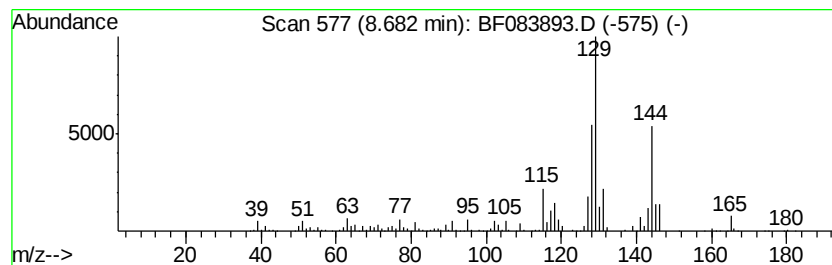
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Indene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	43.75 ng	1808770	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	90
2		1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	90
3		(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	81
4		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	81
5		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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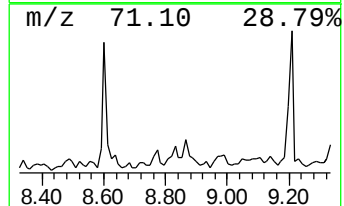
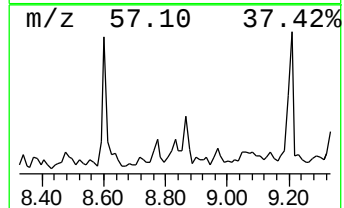
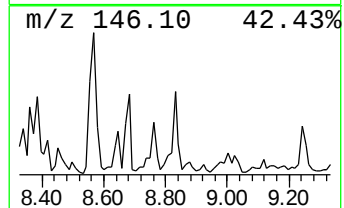
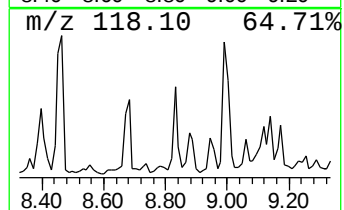
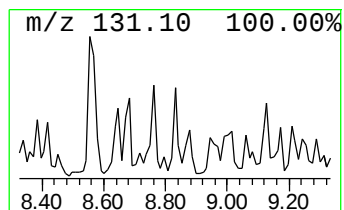
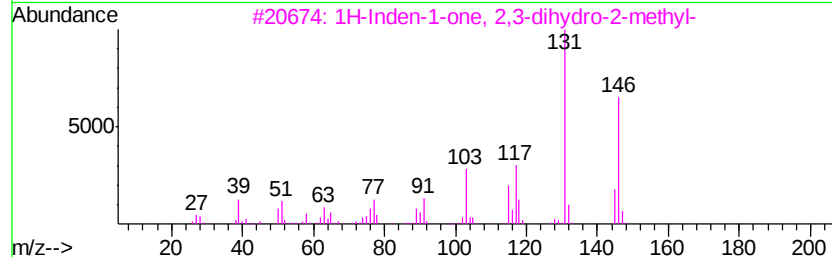
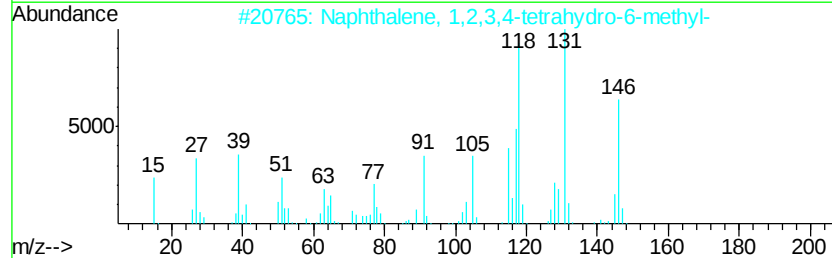
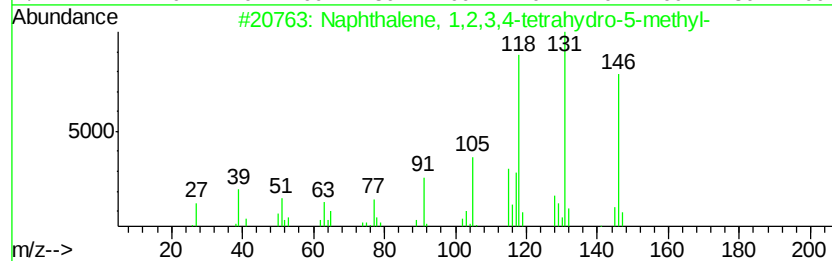
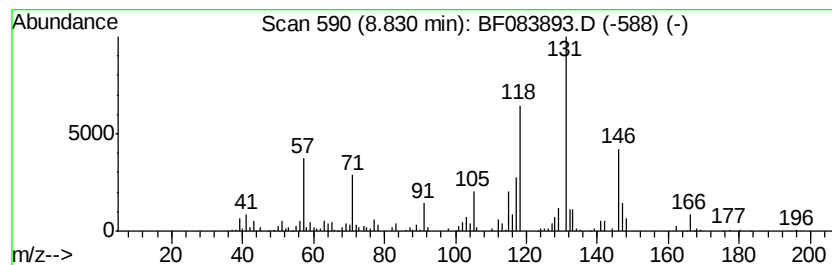
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,2,3,4-tetra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	40.10 ng	1658180	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	76
3		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	70
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
5		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
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Misc :
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ClientSampleId :
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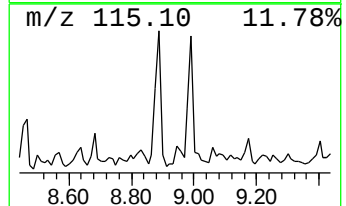
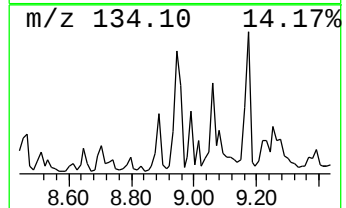
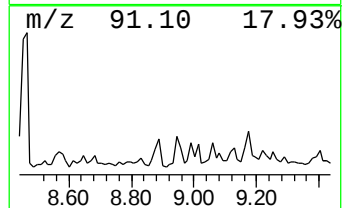
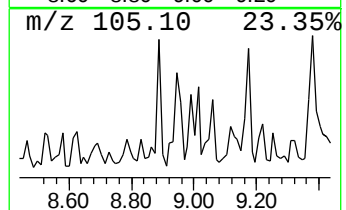
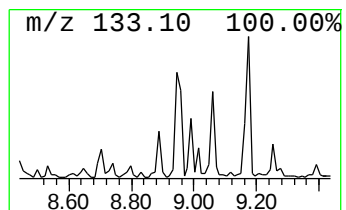
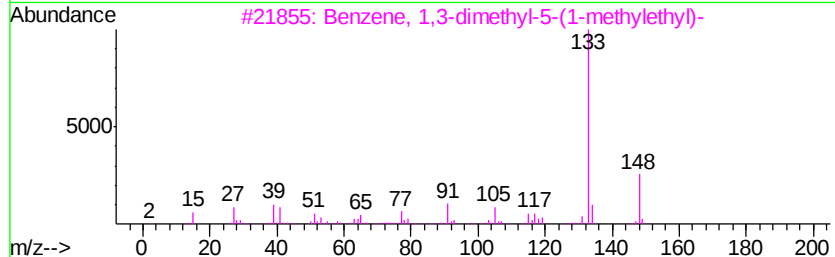
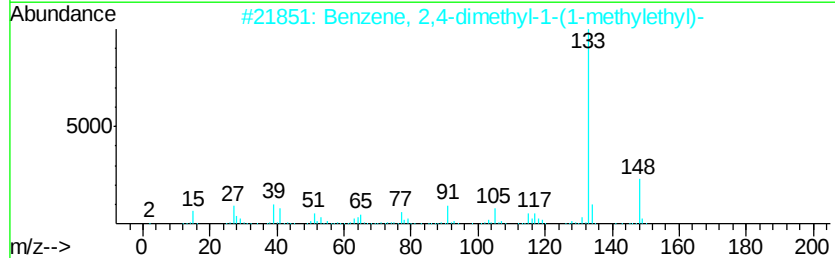
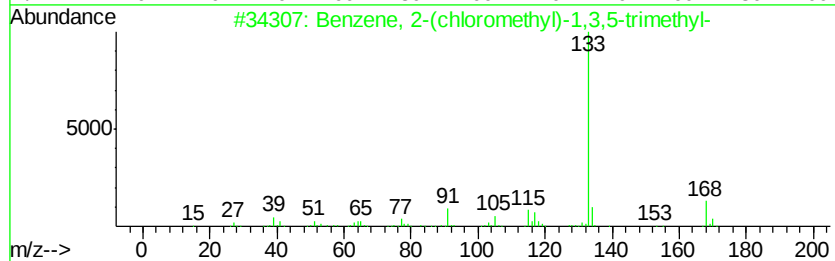
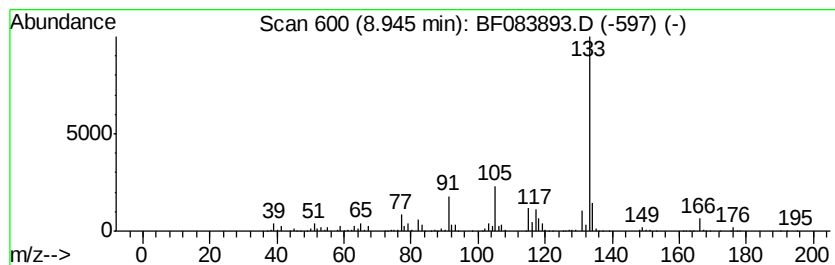
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 2-(chloromethyl)-1... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	46.43 ng	1919620	Naphthalene-d8	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-(chloromethyl)-1,3,5-...	168	C10H13Cl	001585-16-6	83
2		Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	72
3		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
4		Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	64
5		4-tert-Butyltoluene	148	C11H16	000098-51-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
K212-(8-10)

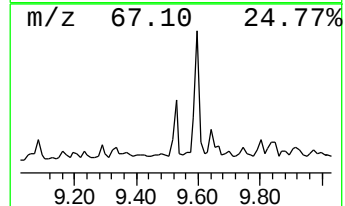
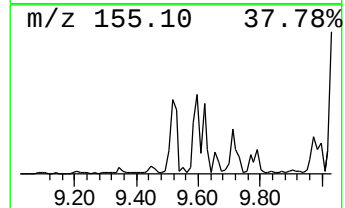
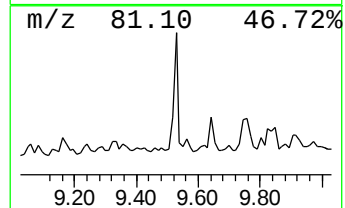
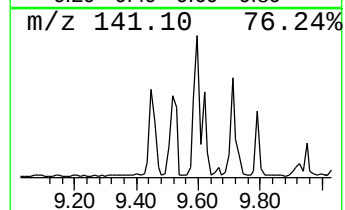
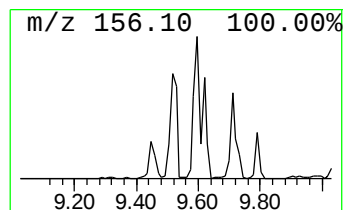
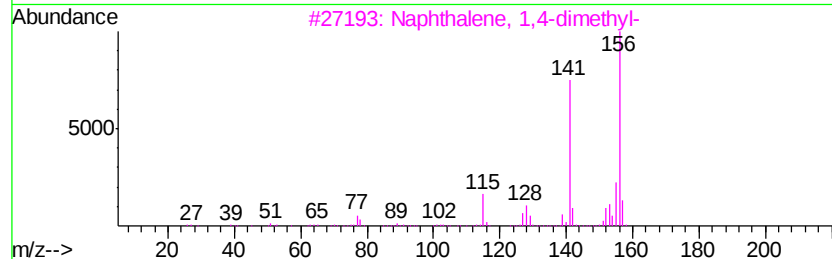
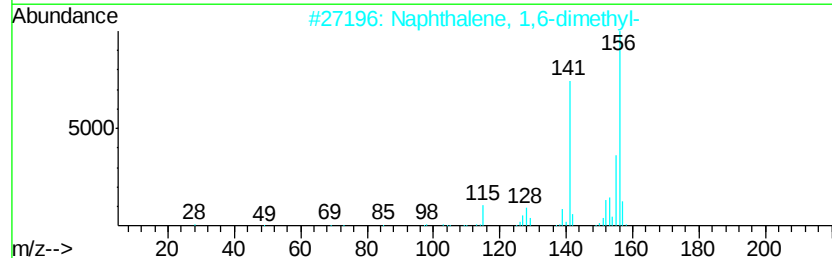
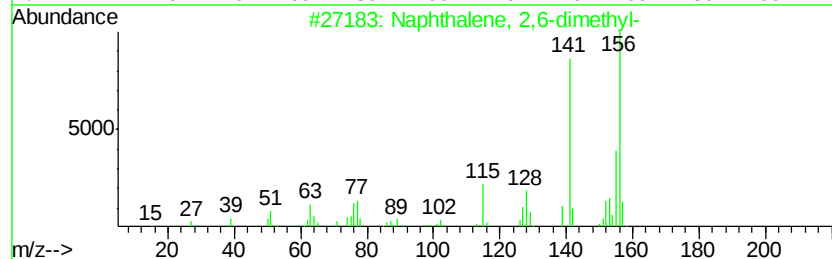
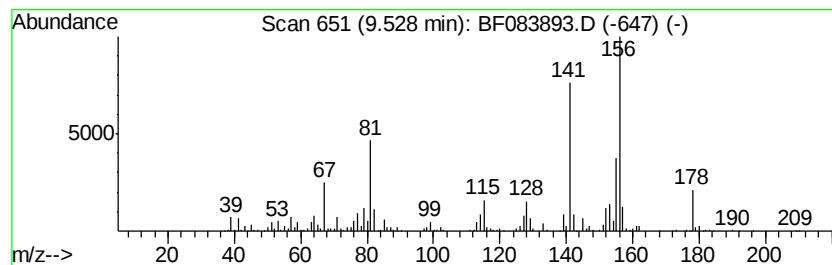
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	34.04 ng	3455890	Acenaphthene-d10	9.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Acq On : 18 Dec 2015 3:24
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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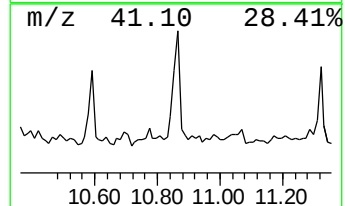
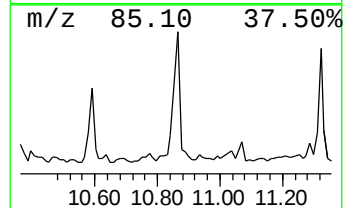
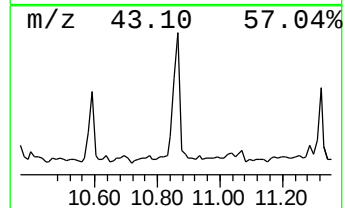
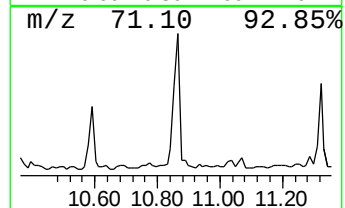
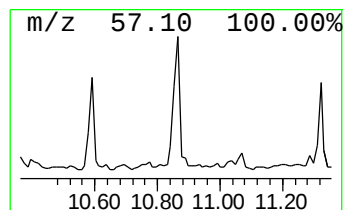
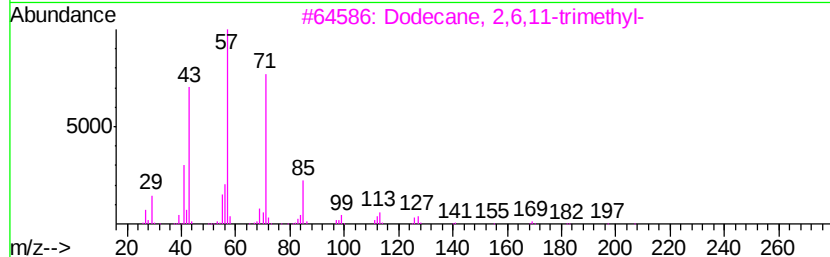
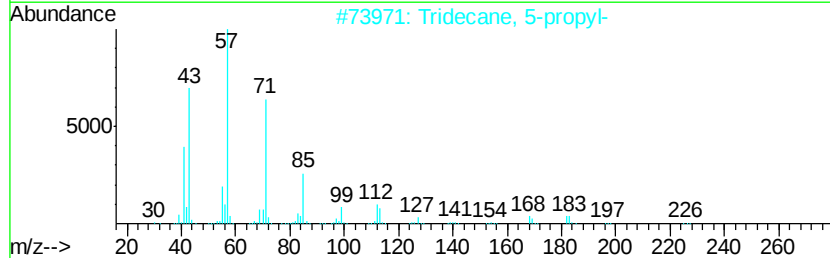
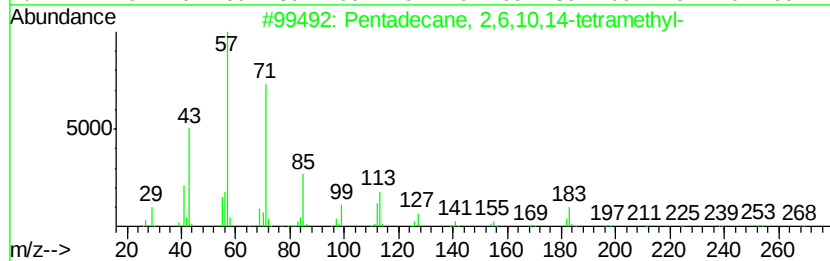
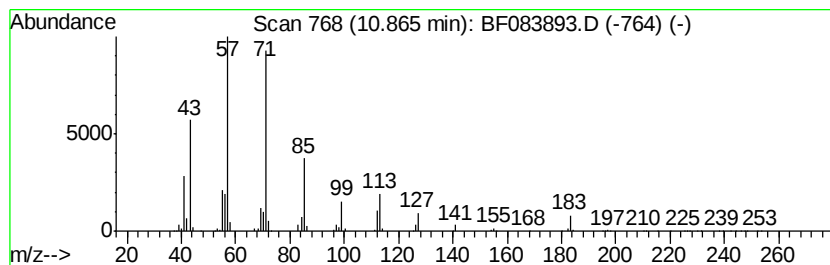
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pentadecane, 2,6,10,14-tetr... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	33.78 ng	3793070	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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Sample : G4680-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleID :
K212-(8-10)

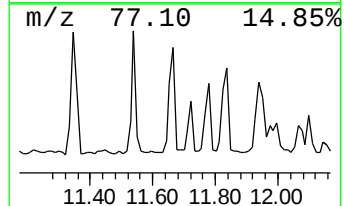
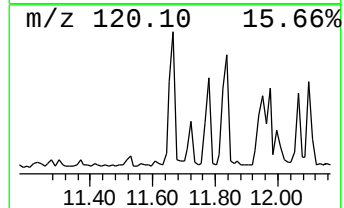
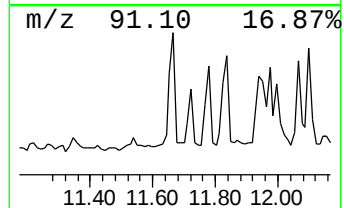
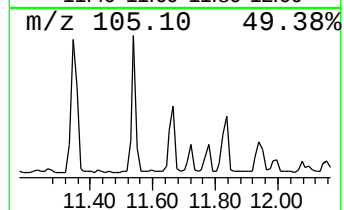
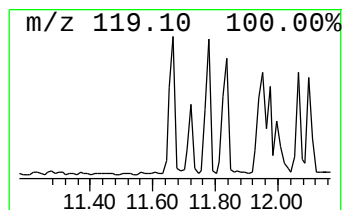
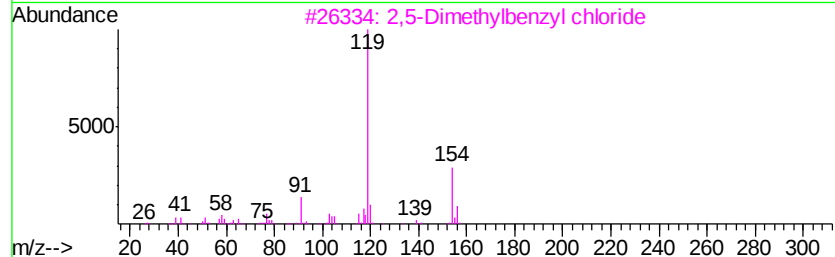
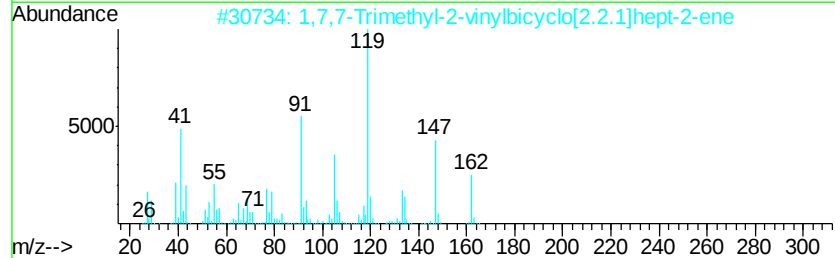
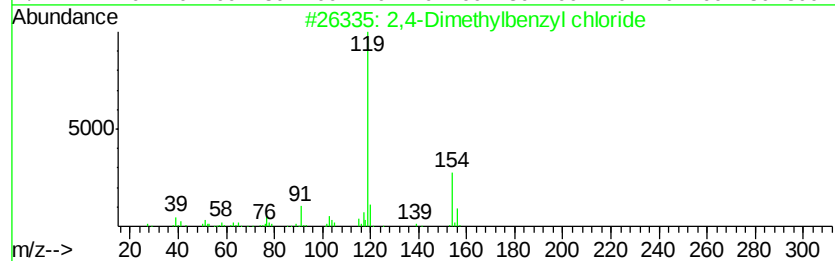
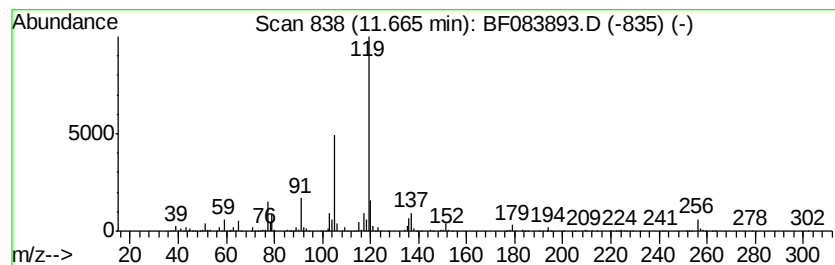
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2,4-Dimethylbenzyl chloride Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	32.08 ng	3602750	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	64
2		1,7,7-Trimethyl-2-vinylbicyclo[2...]	162	C12H18	130930-56-2	64
3		2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	59
4		1-Chloromethyl-3,5-dimethylbenzene	154	C9H11Cl	002745-54-2	59
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
Operator : UM/SJ
Sample : G4680-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K212-(8-10)

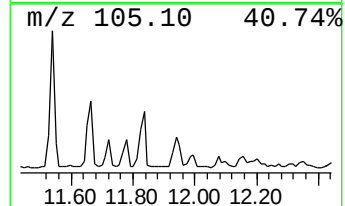
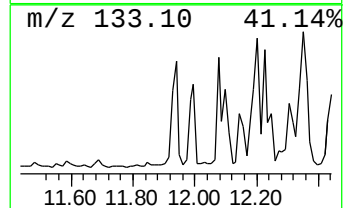
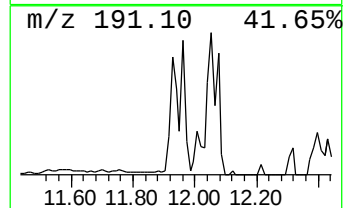
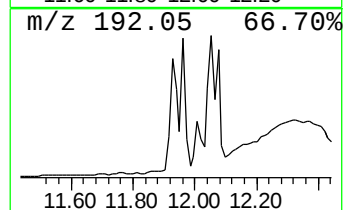
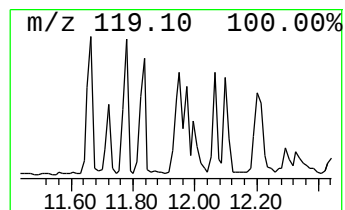
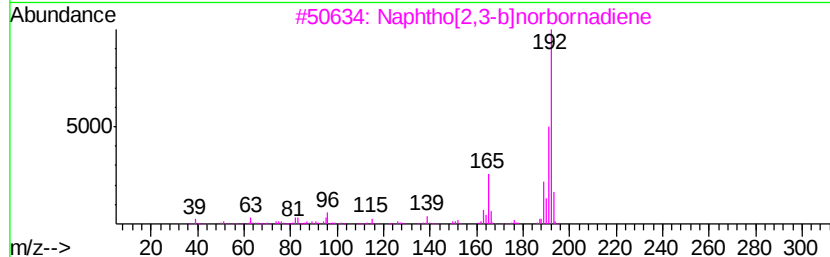
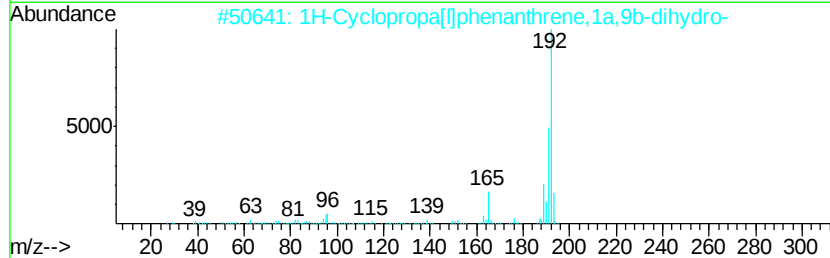
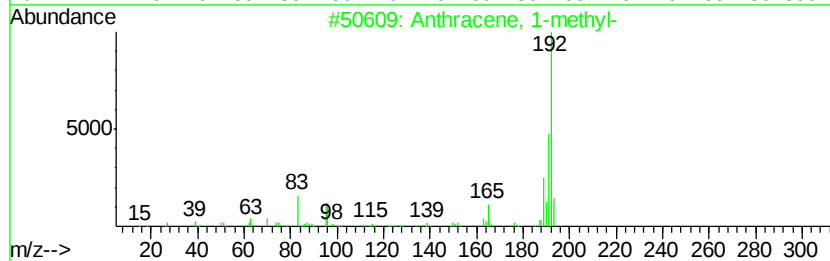
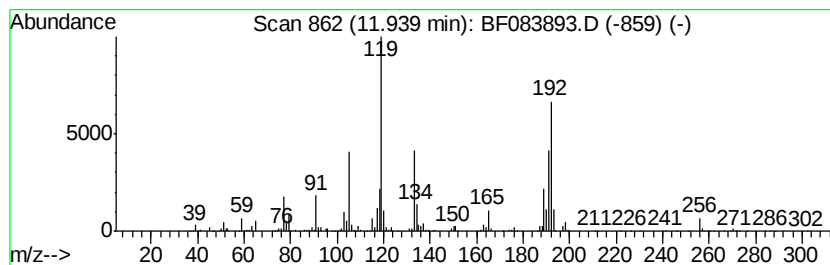
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	60.88 ng	6837190	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	42
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	42
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083893.D
Acq On : 18 Dec 2015 3:24
Operator : UM/SJ
Sample : G4680-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K212-(8-10)

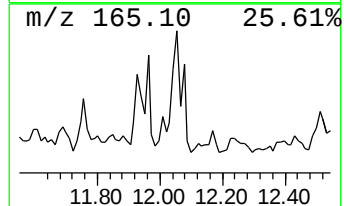
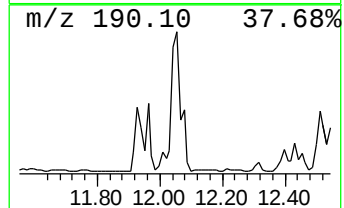
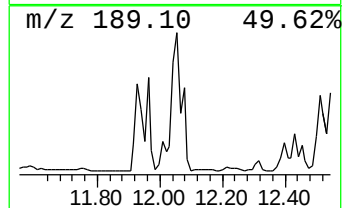
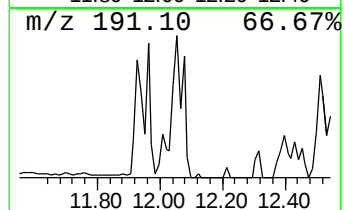
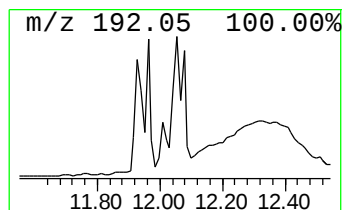
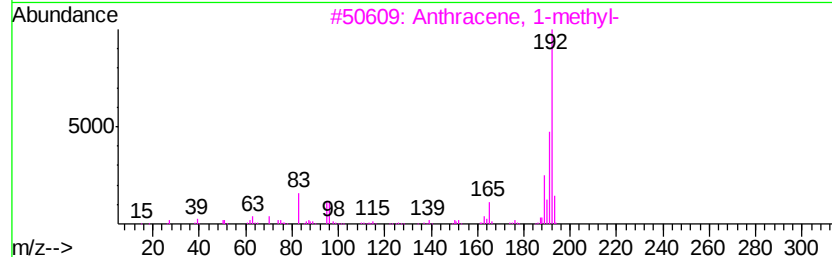
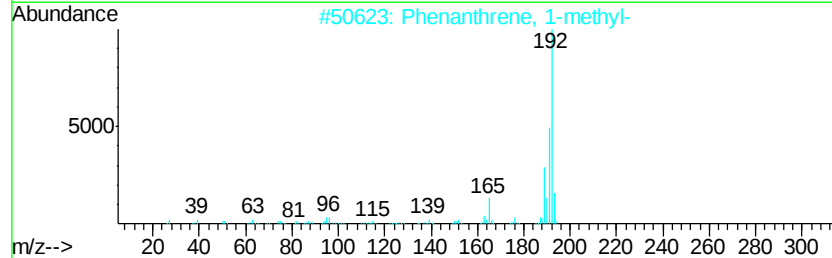
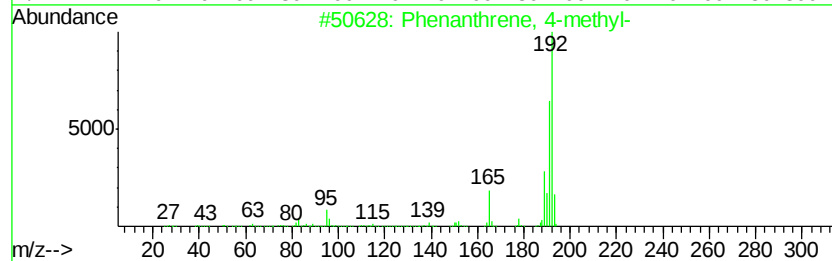
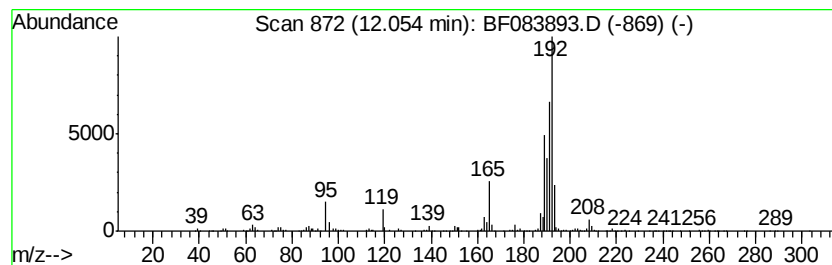
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	31.81 ng	3572060	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083893.D
 Acq On : 18 Dec 2015 3:24
 Operator : UM/SJ
 Sample : G4680-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K212-(8-10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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
1,3,5,7-Cycloocta...	5.71	32.2	ng	5818580	1	6.88	3616120	20.0
Benzene, 1-etheny...	6.74	46.3	ng	8378670	1	6.88	3616120	20.0
Benzene, 2-butenyl-	7.55	42.0	ng	1734590	2	8.17	826932	20.0
Benzene, (1-nitro...	7.76	168.4	ng	6962950	2	8.17	826932	20.0
1H-Indene, 1-methyl-	7.93	111.6	ng	4615470	2	8.17	826932	20.0
Benzene, 1-methyl-...	7.98	101.6	ng	4198530	2	8.17	826932	20.0
Naphthalene, 1,2,...	8.36	29.3	ng	1210820	2	8.17	826932	20.0
Benzene, 1-methyl...	8.40	105.8	ng	4376000	2	8.17	826932	20.0
1-(2-Methoxy-1-me...	8.46	131.4	ng	5432390	2	8.17	826932	20.0
Octane, 2,6-dimet...	8.60	38.2	ng	1577930	2	8.17	826932	20.0
1H-Cyclopropa[b]n...	8.64	43.0	ng	1780160	2	8.17	826932	20.0
1H-Indene, 1,3-di...	8.68	43.8	ng	1808770	2	8.17	826932	20.0
Naphthalene, 1,2,...	8.83	40.1	ng	1658180	2	8.17	826932	20.0
Benzene, 2-(chlor...	8.94	46.4	ng	1919620	2	8.17	826932	20.0
Naphthalene, 2,6-...	9.53	34.0	ng	3455890	3	9.93	2030690	20.0
Pentadecane, 2,6,...	10.86	33.8	ng	3793070	4	11.41	2245940	20.0
2,4-Dimethylbenzy...	11.67	32.1	ng	3602750	4	11.41	2245940	20.0
Anthracene, 1-met...	11.94	60.9	ng	6837190	4	11.41	2245940	20.0
Phenanthrene, 4-m...	12.05	31.8	ng	3572060	4	11.41	2245940	20.0