

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093234.D
 Acq On : 28 Feb 2017 4:54
 Operator : SJ/MA
 Sample : I1973-12 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-2

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-BF013017.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	5.413	289	291	301	rBV	659949	709798	3.50%	0.283%
2	6.464	381	383	391	rBV	779203	847940	4.18%	0.339%
3	6.590	391	394	396	rBV	890768	777999	3.83%	0.311%
4	6.819	411	414	416	rBV	1140894	987045	4.86%	0.394%
5	6.967	425	427	432	rBV	512000	678984	3.34%	0.271%
6	8.133	524	529	531	rVV2	5166650	6341324	31.23%	2.532%
7	8.819	586	589	592	rBV	3343456	2955407	14.56%	1.180%
8	8.922	595	598	600	rVB	2721489	2724184	13.42%	1.088%
9	9.173	619	620	623	rVB	594886	821016	4.04%	0.328%
10	9.276	627	629	632	rVB	872094	1025911	5.05%	0.410%
11	9.379	634	638	641	rVB	583348	857551	4.22%	0.342%
12	9.447	641	644	646	rBV	1350958	1897331	9.35%	0.758%
13	9.516	648	650	652	rVV	1895077	2668443	13.14%	1.066%
14	9.550	652	653	654	rVV	1115848	777980	3.83%	0.311%
15	9.630	658	660	663	rVB	804064	1287756	6.34%	0.514%
16	9.722	663	668	670	rVB2	575864	690248	3.40%	0.276%
17	9.859	676	680	681	rBV2	1328080	1927748	9.50%	0.770%
18	9.893	681	683	685	rVV	4169361	4199214	20.68%	1.677%
19	10.019	691	694	696	rBV2	375635	544629	2.68%	0.217%
20	10.065	696	698	700	rVV	3524844	4138892	20.39%	1.653%
21	10.099	700	701	706	rVB	799032	811178	4.00%	0.324%
22	10.179	706	708	709	rBV2	657515	763410	3.76%	0.305%
23	10.202	709	710	713	rVB	689052	646793	3.19%	0.258%
24	10.270	713	716	719	rBV2	509500	1131257	5.57%	0.452%
25	10.419	725	729	731	rBV	3807891	5556852	27.37%	2.219%
26	10.476	731	734	737	rBV3	763475	2066155	10.18%	0.825%
27	10.568	740	742	744	rVB	1758552	1825477	8.99%	0.729%
28	10.648	744	749	751	rBV	2176970	2960314	14.58%	1.182%
29	10.693	751	753	755	rVB2	563146	619209	3.05%	0.247%
30	10.773	755	760	763	rBV5	560607	877145	4.32%	0.350%
31	10.956	772	776	777	rBV2	1434039	1853569	9.13%	0.740%
32	11.036	780	783	785	rVB2	458516	531158	2.62%	0.212%
33	11.105	785	789	792	rBV2	806869	1796875	8.85%	0.718%
34	11.162	792	794	796	rVB	1198090	1343498	6.62%	0.537%

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35	11.196	796	797	799	rBV	706645	913050	4.50%	0.365%
36	11.242	799	801	805	rVB	2342173	2719224	13.39%	1.086%
37	11.402	808	815	817	rBV	6868985	20302758	100.00%	8.108%
38	11.448	817	819	821	rVV	6042105	7156508	35.25%	2.858%
39	11.585	828	831	835	rBV2	2320199	3863512	19.03%	1.543%
40	11.642	835	836	838	rVV	803615	644760	3.18%	0.257%
41	11.688	838	840	842	rVB2	652753	894284	4.40%	0.357%
42	11.859	852	855	856	rBV	2426685	3382027	16.66%	1.351%
43	11.882	856	857	859	rVB	3313109	3490462	17.19%	1.394%
44	11.928	859	861	863	rBV	1639822	2205229	10.86%	0.881%
45	11.973	863	865	869	rVB2	3983455	6513693	32.08%	2.601%
46	12.031	869	870	872	rBV2	503672	778467	3.83%	0.311%
47	12.145	878	880	882	rVV	2282611	2054830	10.12%	0.821%
48	12.191	882	884	885	rVB	988126	1033308	5.09%	0.413%
49	12.293	891	893	894	rBV	773394	692895	3.41%	0.277%
50	12.328	894	896	897	rVV	720284	616883	3.04%	0.246%
51	12.408	900	903	904	rBV	1187126	1828624	9.01%	0.730%
52	12.442	904	906	909	rVV2	992801	1689138	8.32%	0.675%
53	12.511	909	912	914	rVB2	703633	1390022	6.85%	0.555%
54	12.602	914	920	922	rBV	6243439	16291132	80.24%	6.506%
55	12.636	922	923	925	rVB	739869	636883	3.14%	0.254%
56	12.716	928	930	933	rBV	1246068	1656344	8.16%	0.661%
57	12.831	935	940	941	rVV2	6036104	15052459	74.14%	6.011%
58	12.854	941	942	944	rVB2	1201554	1017970	5.01%	0.407%
59	12.922	945	948	950	rBV2	1431822	2124613	10.46%	0.848%
60	12.956	950	951	953	rVB	1074801	1115981	5.50%	0.446%
61	13.014	953	956	958	rBV2	1363078	2687761	13.24%	1.073%
62	13.128	962	966	968	rBV	2479950	3784172	18.64%	1.511%
63	13.196	970	972	973	rVV	1716421	1743402	8.59%	0.696%
64	13.231	973	975	978	rVV	1817729	2463420	12.13%	0.984%
65	13.322	981	983	984	rBV	944982	814375	4.01%	0.325%
66	13.356	984	986	990	rVB2	1003090	1546160	7.62%	0.617%
67	13.436	990	993	995	rVB2	448309	636165	3.13%	0.254%
68	13.551	997	1003	1006	rBV6	548182	2197209	10.82%	0.877%
69	13.642	1009	1011	1013	rVV	1345762	1460585	7.19%	0.583%
70	13.768	1017	1022	1023	rBV2	1661804	3491360	17.20%	1.394%
71	13.802	1023	1025	1028	rVV3	1319367	2567499	12.65%	1.025%

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72	13.859	1028	1030	1032	rVB	1214072	1480807	7.29%	0.591%
73	13.917	1032	1035	1038	rBV	422164	809593	3.99%	0.323%
74	13.997	1038	1042	1044	rBV2	4321691	10660498	52.51%	4.257%
75	14.042	1044	1046	1049	rVV	4776557	6348781	31.27%	2.535%
76	14.111	1050	1052	1054	rVV	1582988	1551450	7.64%	0.620%
77	14.168	1054	1057	1058	rVV3	371887	871739	4.29%	0.348%
78	14.191	1058	1059	1060	rVV	746901	693420	3.42%	0.277%
79	14.225	1060	1062	1064	rVV2	938573	1342758	6.61%	0.536%
80	14.351	1071	1073	1074	rBV	526265	736819	3.63%	0.294%
81	14.385	1074	1076	1077	rVV	1693088	1685333	8.30%	0.673%
82	14.419	1077	1079	1080	rVV2	805090	816421	4.02%	0.326%
83	14.465	1080	1083	1086	rVV3	474157	1338594	6.59%	0.535%
84	14.511	1086	1087	1090	rVV2	742967	1187981	5.85%	0.474%
85	14.579	1090	1093	1095	rVB2	431635	694619	3.42%	0.277%
86	14.705	1101	1104	1107	rBV3	427635	928039	4.57%	0.371%
87	14.865	1117	1118	1120	rBV	482783	657236	3.24%	0.262%
88	15.048	1129	1134	1139	rBV2	3322683	9970178	49.11%	3.982%
89	15.128	1139	1141	1143	rVB	1070146	1295579	6.38%	0.517%
90	15.220	1146	1149	1151	rBV2	317866	798043	3.93%	0.319%
91	15.265	1151	1153	1155	rVV3	369258	676688	3.33%	0.270%
92	15.322	1155	1158	1161	rVV	2165583	3965949	19.53%	1.584%
93	15.391	1161	1164	1166	rVV	3069050	5363143	26.42%	2.142%
94	15.471	1166	1171	1174	rVV3	1533634	2948606	14.52%	1.178%
95	16.648	1271	1274	1276	rBV2	256652	524557	2.58%	0.209%
96	16.854	1287	1292	1295	rBV	1483147	3557817	17.52%	1.421%
97	17.003	1301	1305	1308	rBV	459225	1048120	5.16%	0.419%
98	17.288	1325	1330	1335	rVB	1229945	2972340	14.64%	1.187%
99	17.505	1345	1349	1355	rVB2	476906	1270187	6.26%	0.507%
100	19.426	1511	1517	1522	rVB2	309507	1114053	5.49%	0.445%

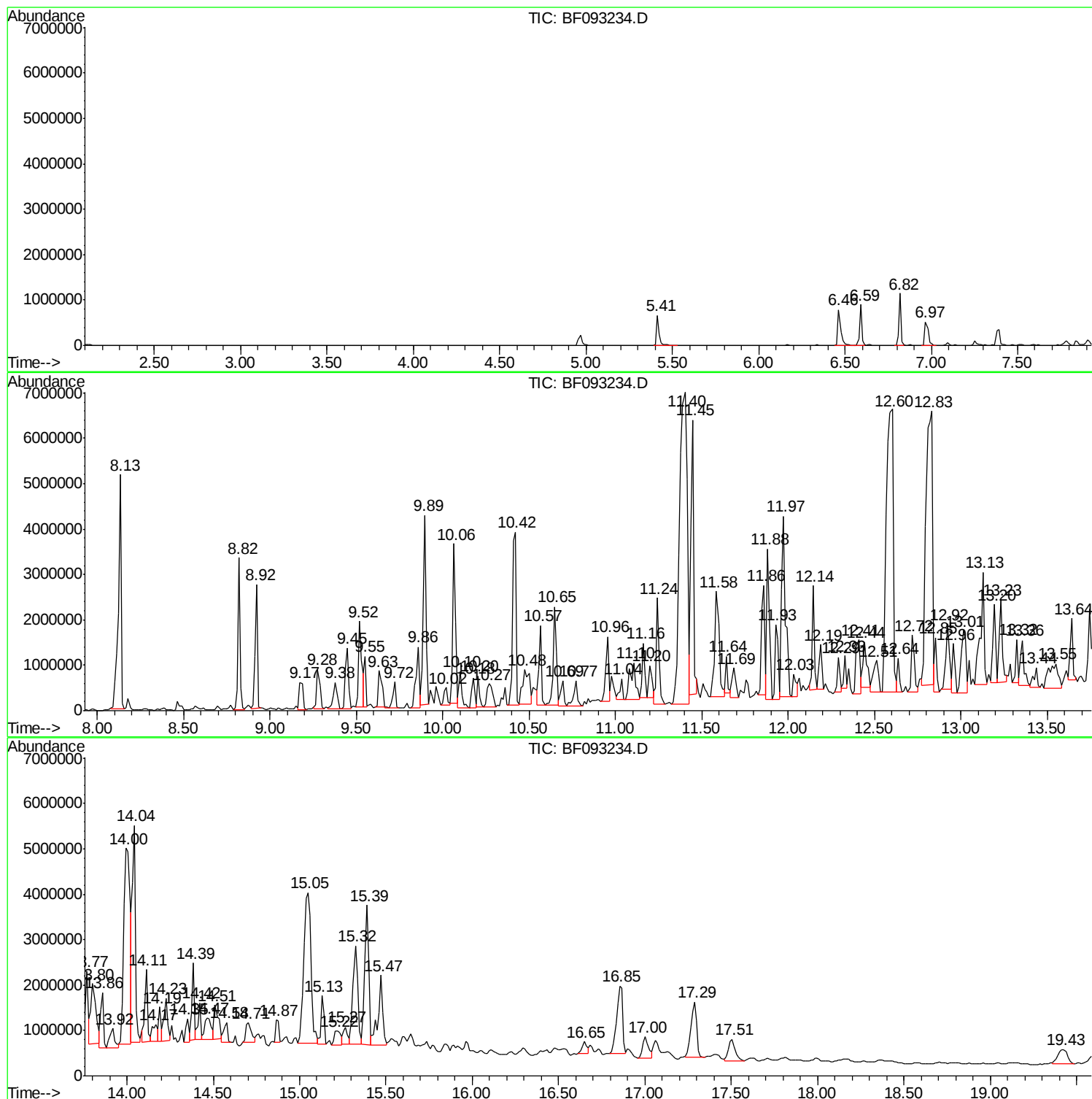
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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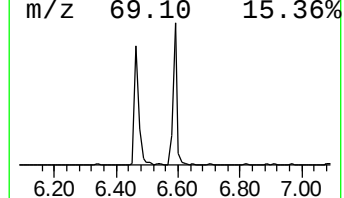
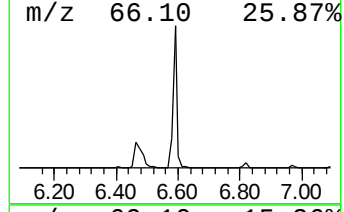
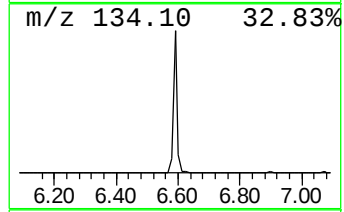
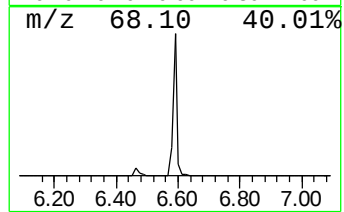
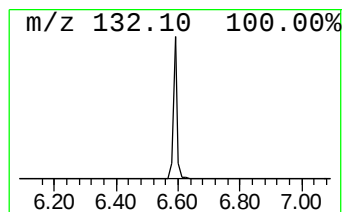
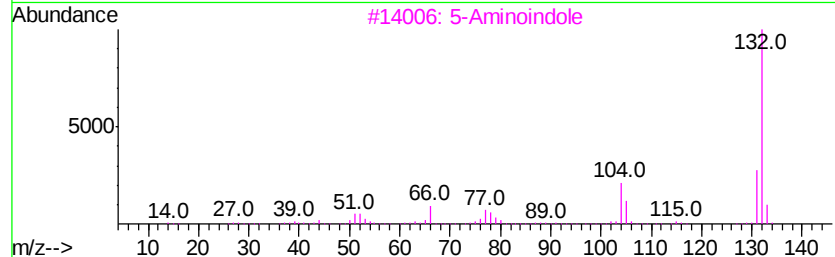
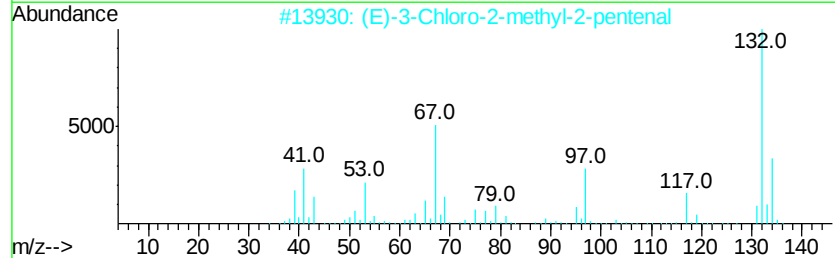
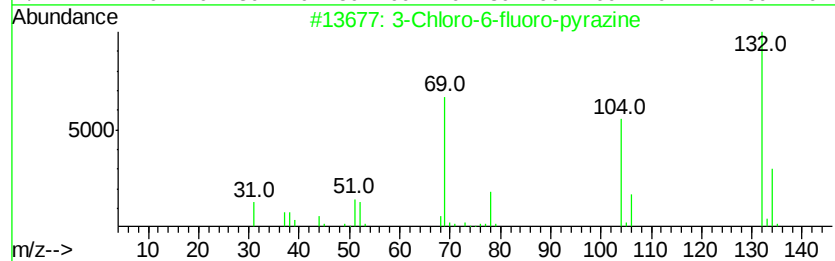
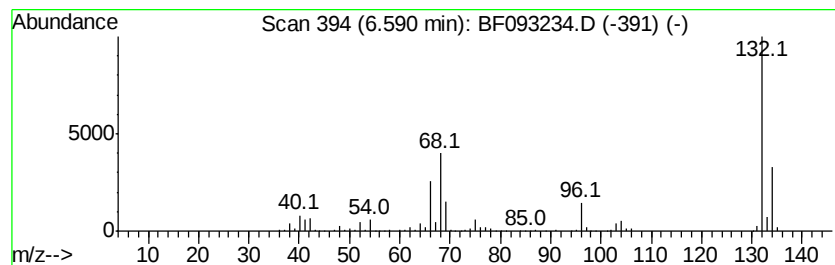
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	15.76 ng	777999	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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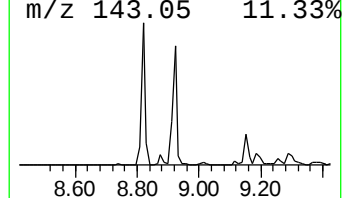
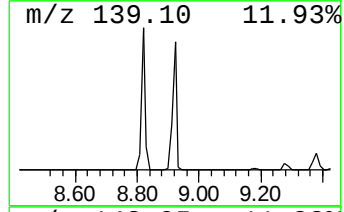
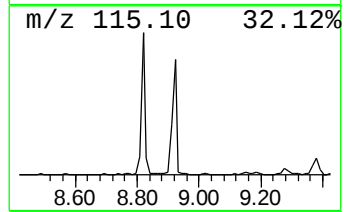
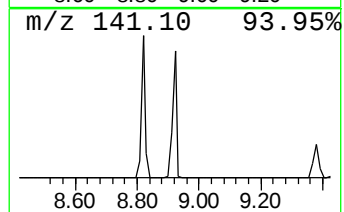
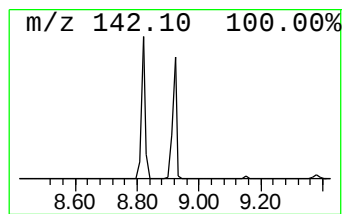
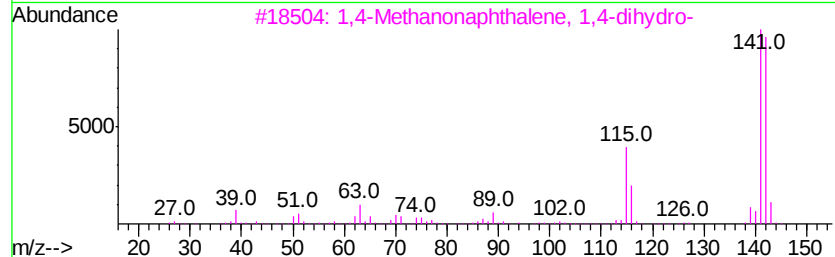
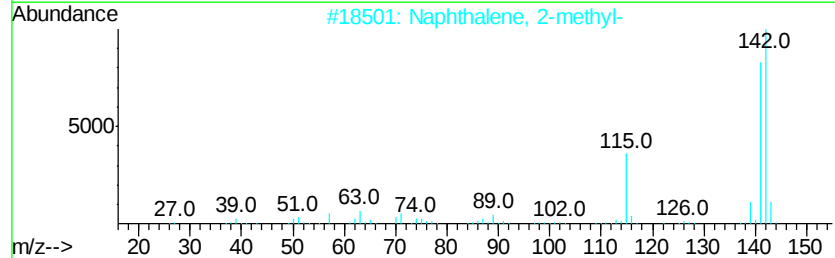
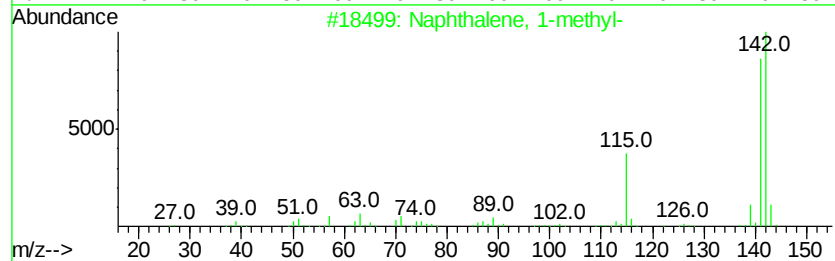
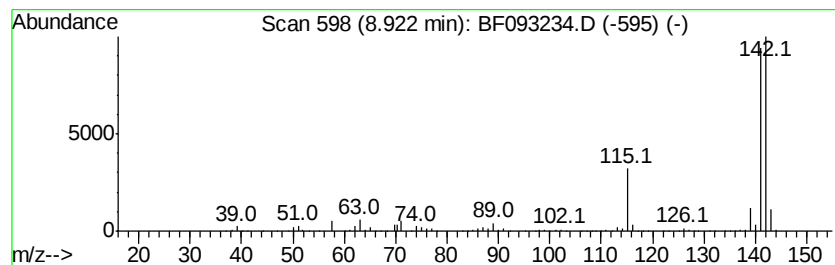
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.92	8.59 ng	2724180	Naphthalene-d8	8.11		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



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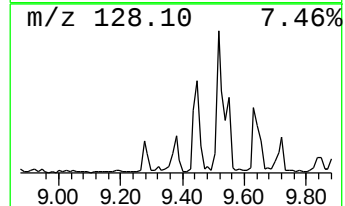
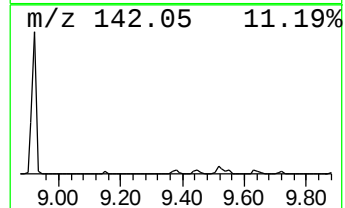
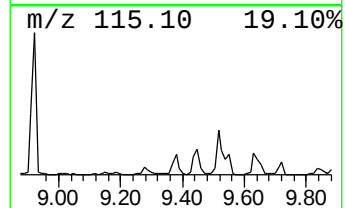
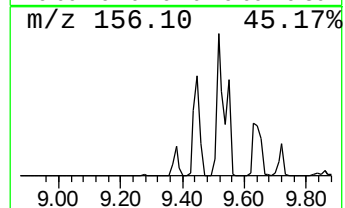
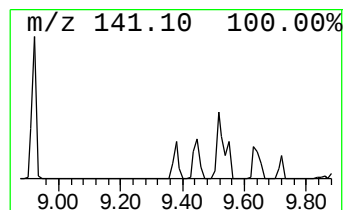
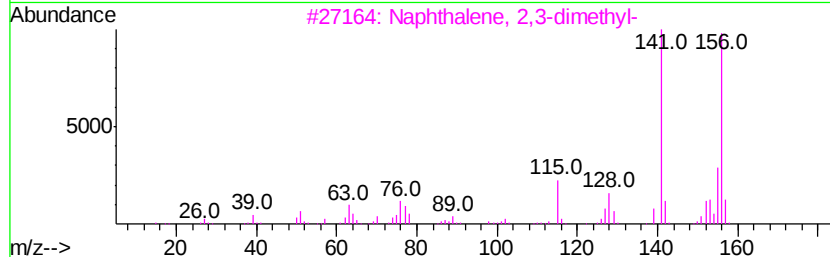
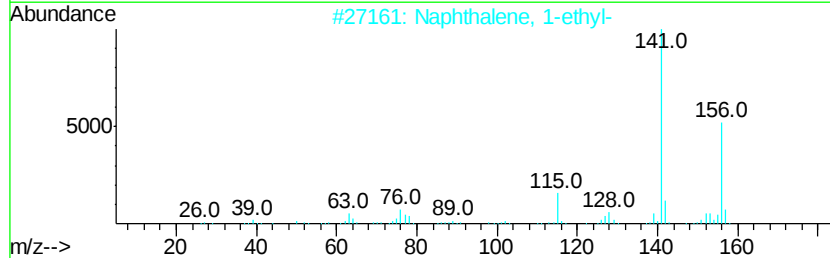
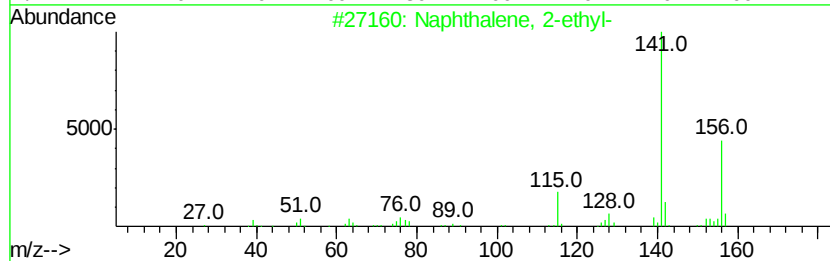
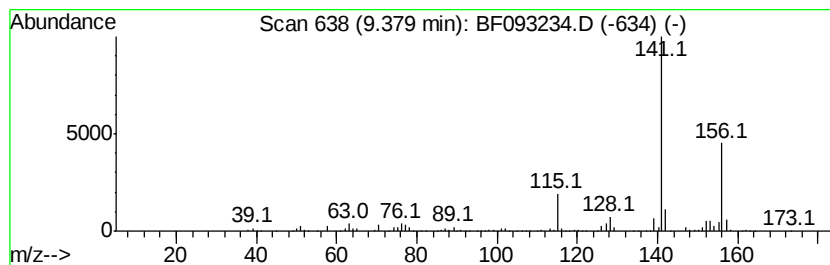
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	8.90 ng	857551	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 97
2		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 78
4		2-Thiophenecarboxylic acid, 5-et...	156 C7H8O2S	023229-72-3 72
5		Naphthalene, 1-propyl-	170 C13H14	002765-18-6 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
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Operator : SJ/MA
Sample : I1973-12 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

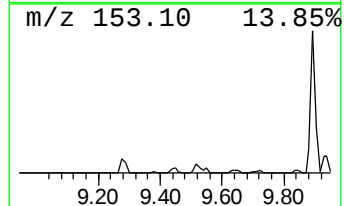
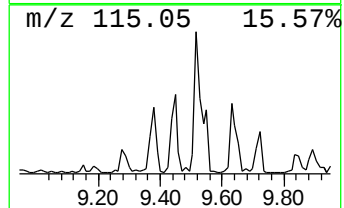
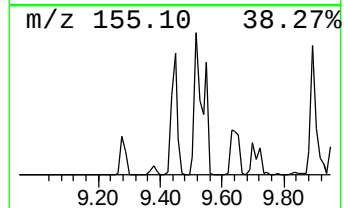
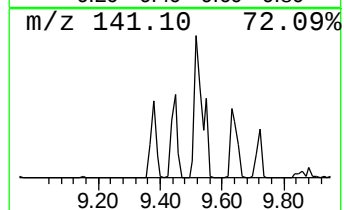
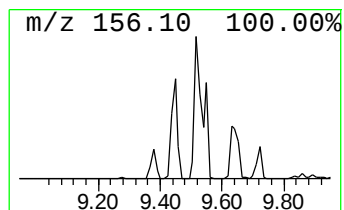
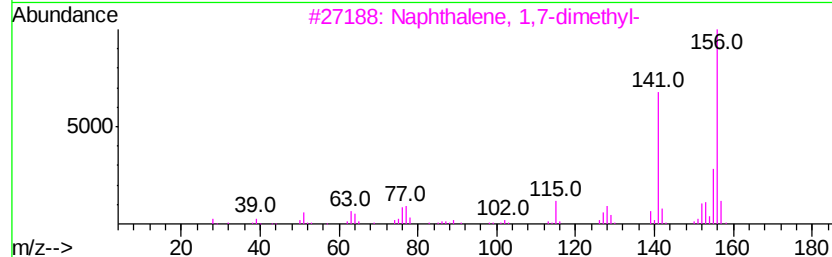
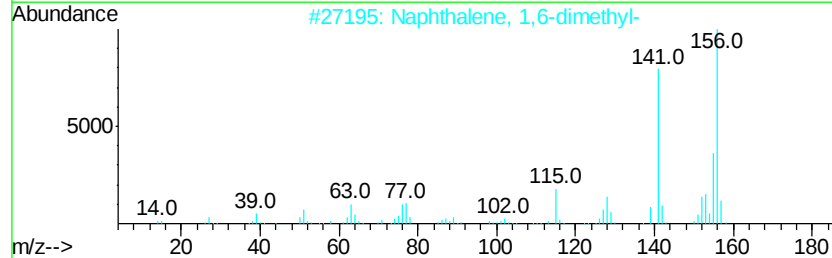
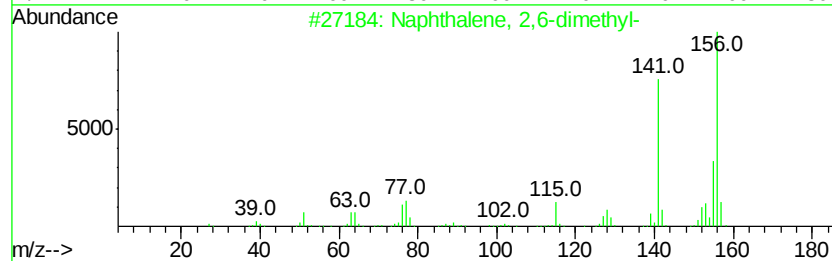
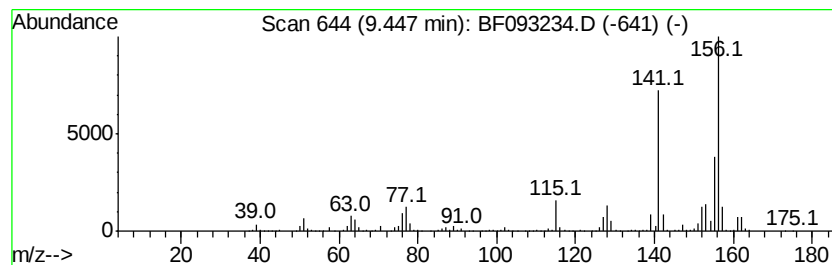
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	19.68 ng	1897330	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 98
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
4		Naphthalene, 1,2-dimethyl-	156 C12H12	000573-98-8 96
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093234.D
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Sample : I1973-12 5X
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ClientSampleId :
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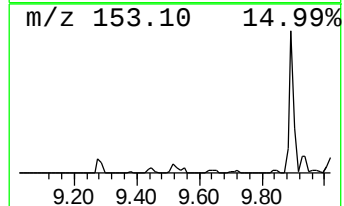
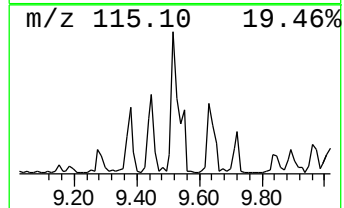
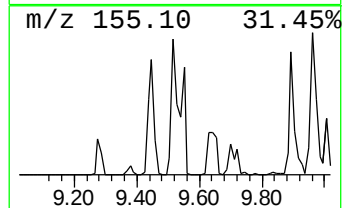
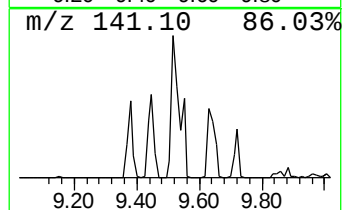
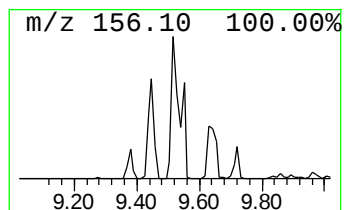
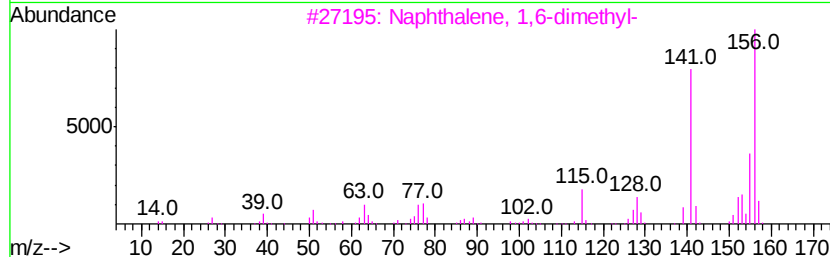
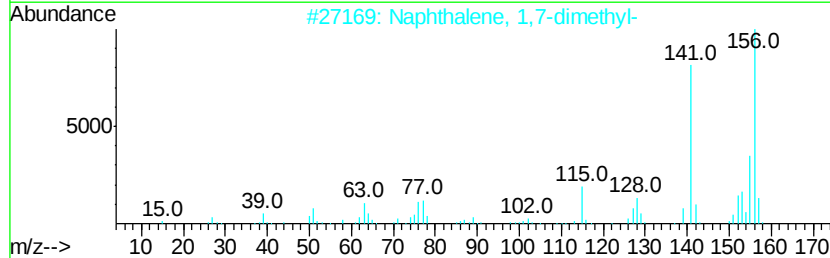
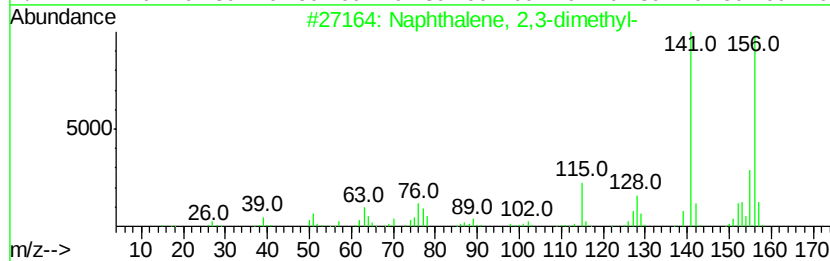
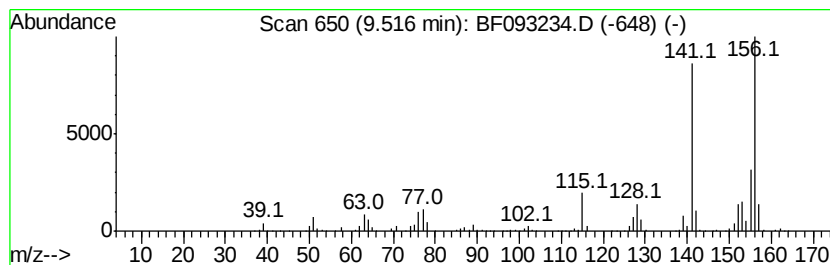
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	27.68 ng	2668440	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093234.D
Acq On : 28 Feb 2017 4:54
Operator : SJ/MA
Sample : I1973-12 5X
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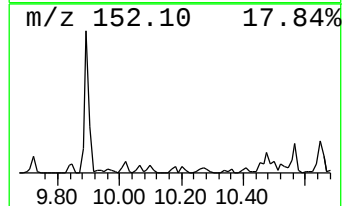
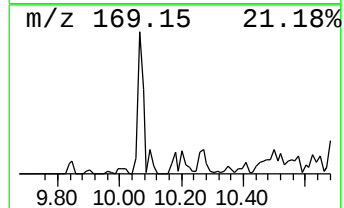
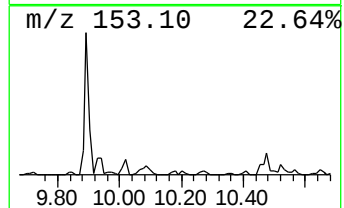
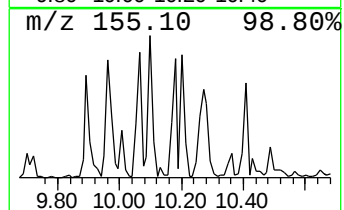
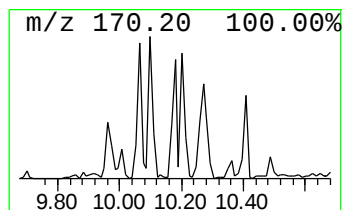
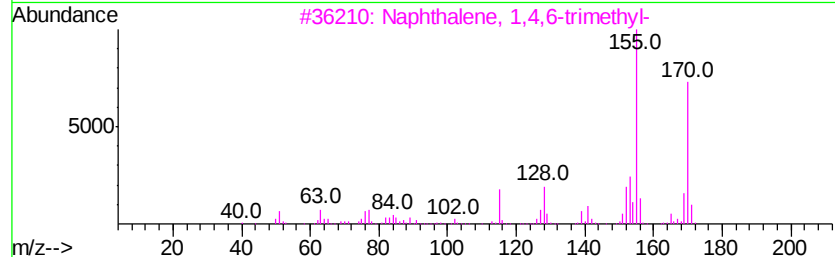
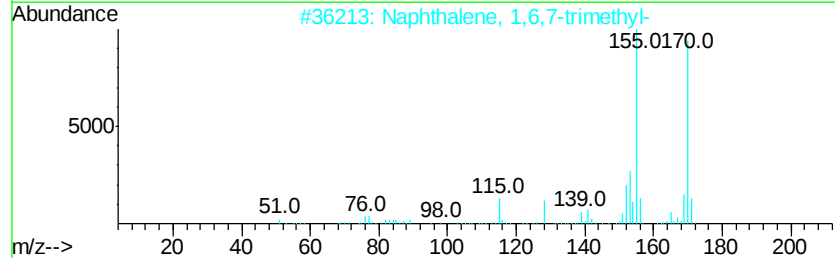
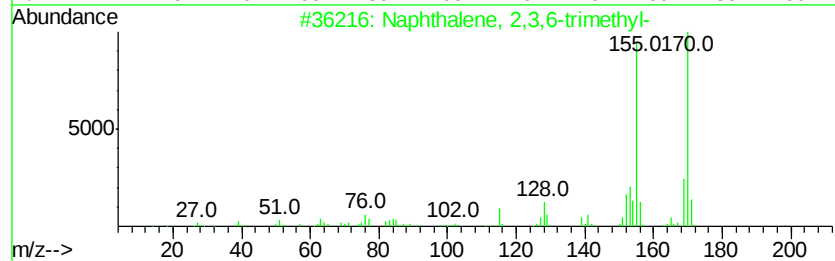
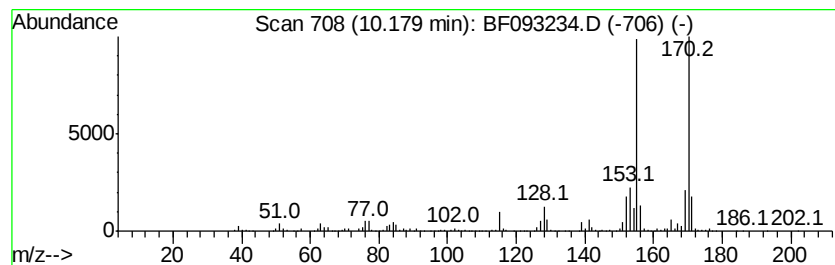
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.18	7.92 ng	763410	Acenaphthene-d10		9.86	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093234.D
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Operator : SJ/MA
Sample : I1973-12 5X
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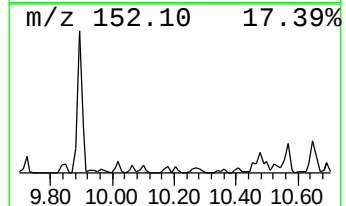
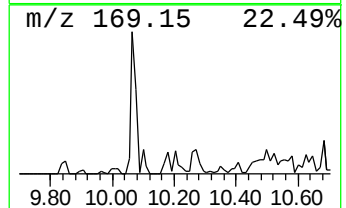
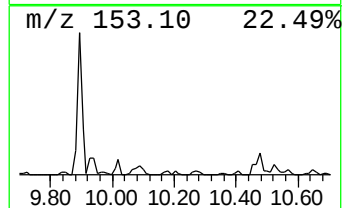
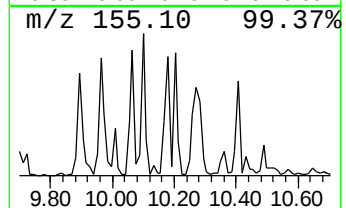
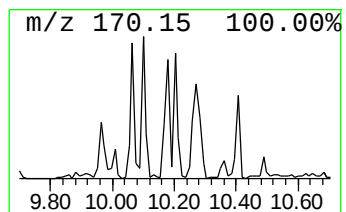
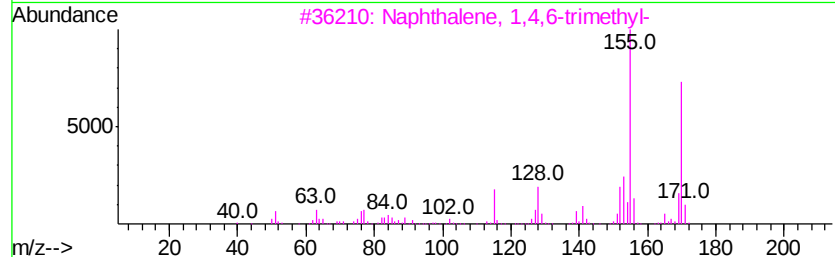
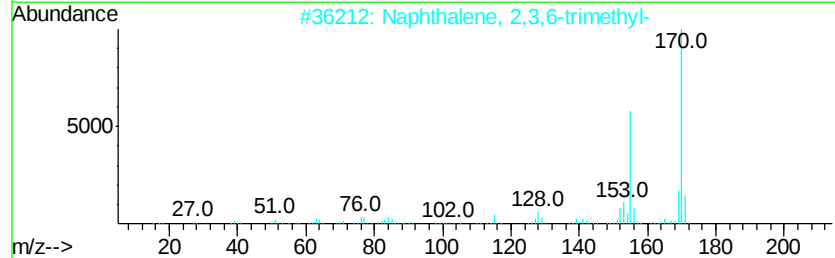
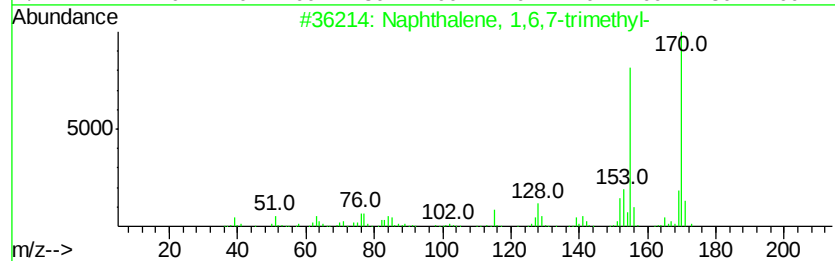
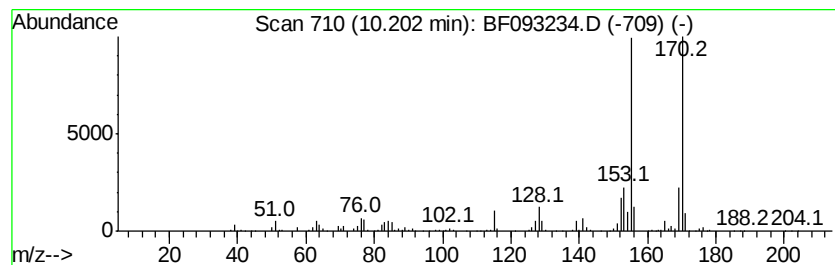
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.20	6.71 ng	646793	Acenaphthene-d10		9.86	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene,	2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene,	1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene,	1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	3-(2-Methyl-propenyl)-1H-indene		170	C13H14	1000187-78-5	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093234.D
Acq On : 28 Feb 2017 4:54
Operator : SJ/MA
Sample : I1973-12 5X
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Instrument :
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ClientSampleId :
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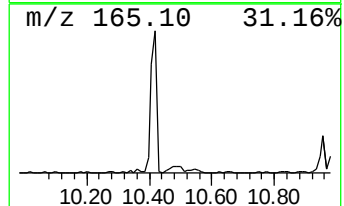
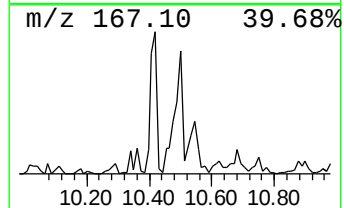
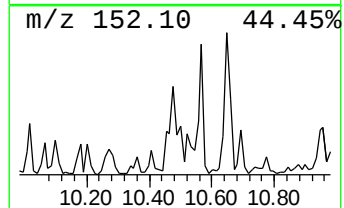
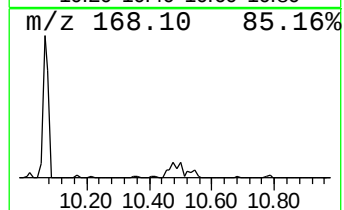
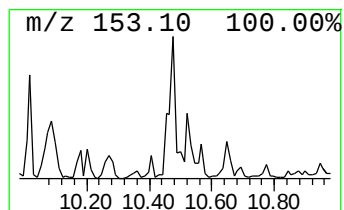
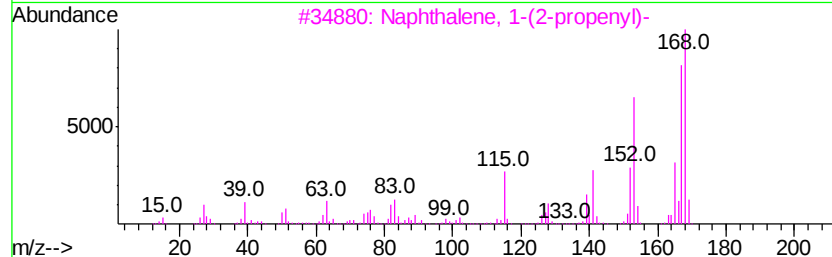
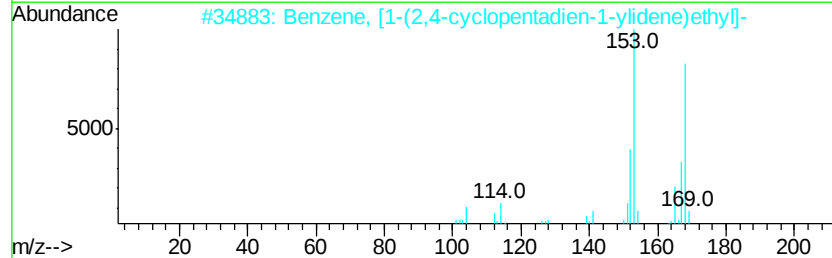
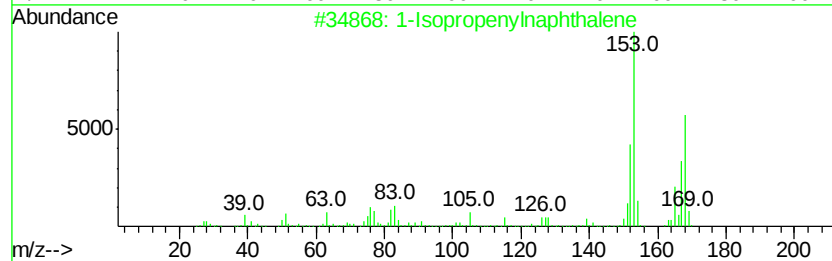
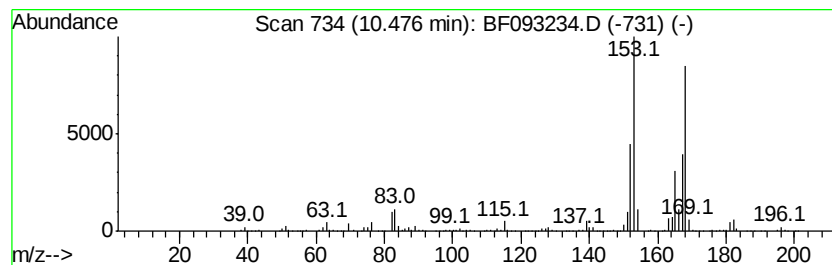
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Isopropenylnaphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	21.44 ng	2066160	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47
5		Ethanone, 1-(2,3,4-trihydroxyph...	168	C8H8O4	000528-21-2	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093234.D
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Sample : I1973-12 5X
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ALS Vial : 23 Sample Multiplier: 1

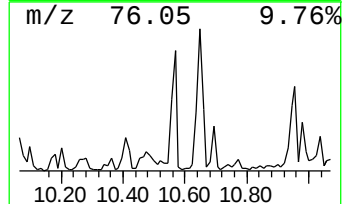
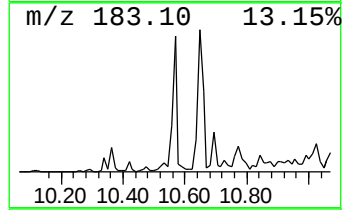
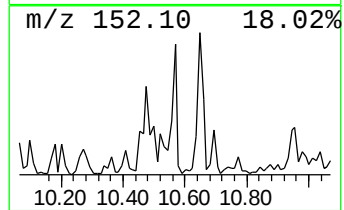
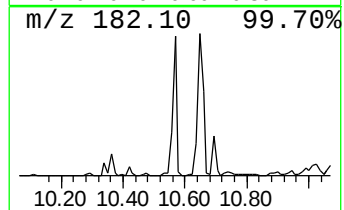
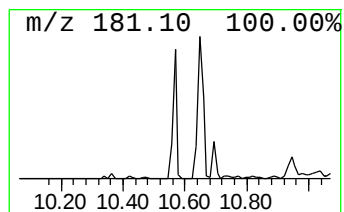
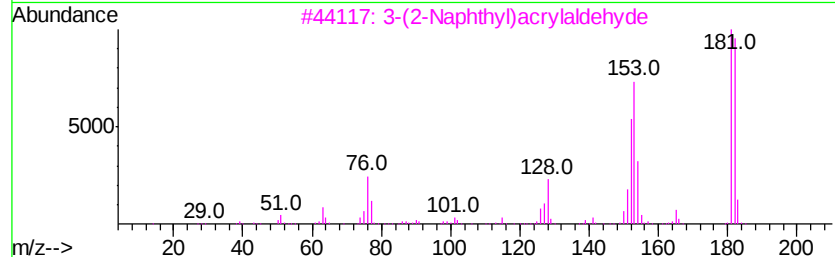
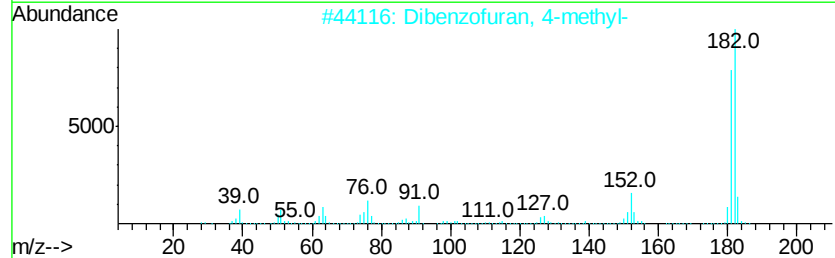
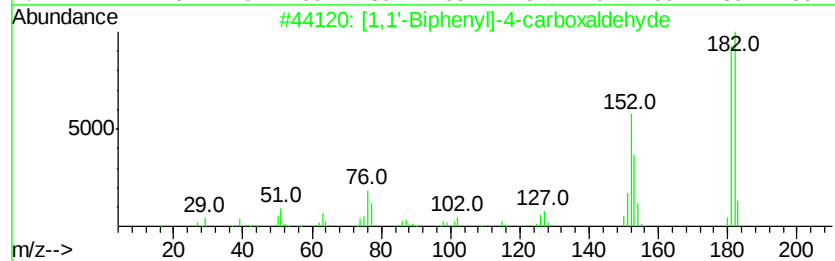
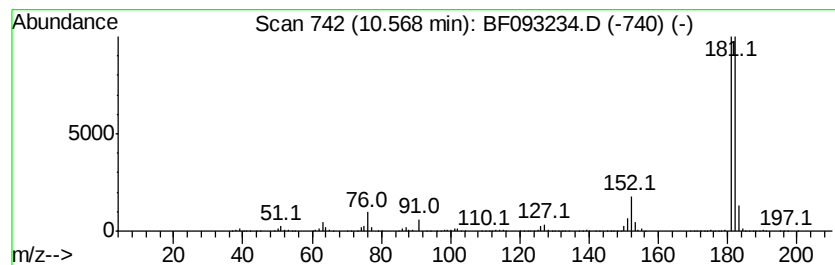
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.57	18.94 ng	1825480	Acenaphthene-d10	9.86	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093234.D
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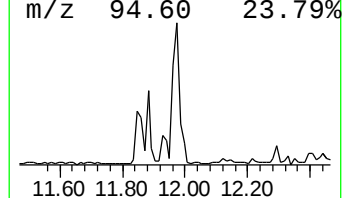
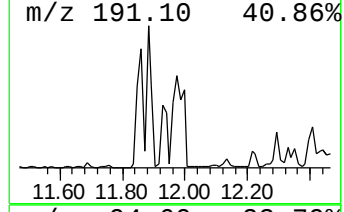
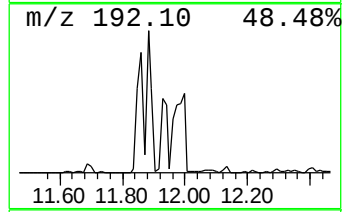
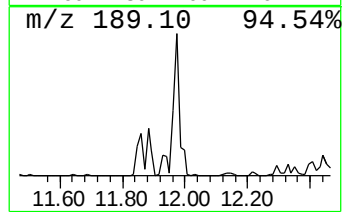
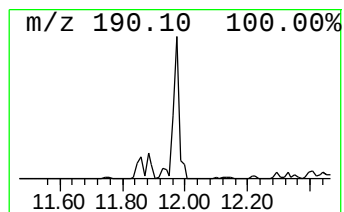
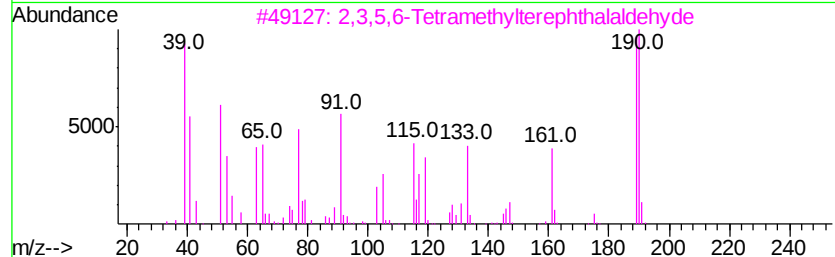
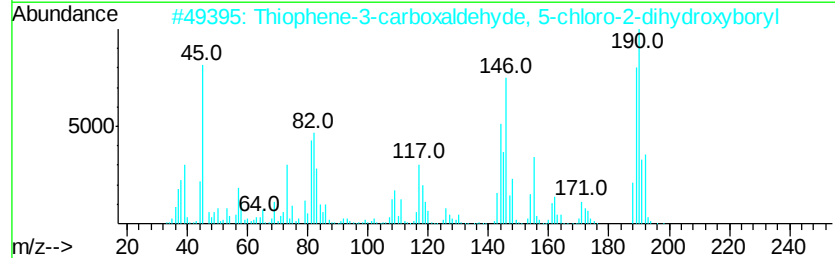
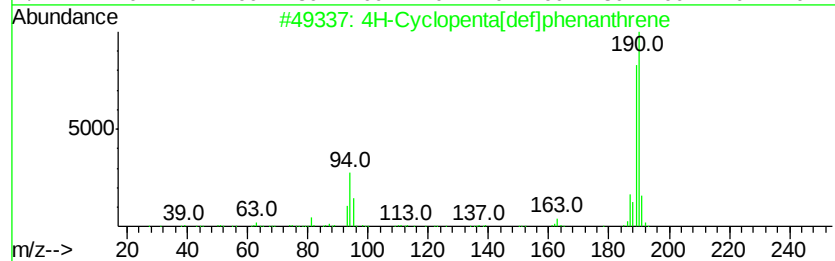
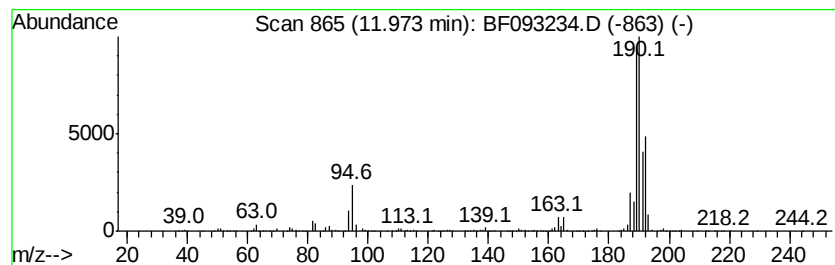
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	6.42 ng	6513690	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093234.D
Acq On : 28 Feb 2017 4:54
Operator : SJ/MA
Sample : I1973-12 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-2

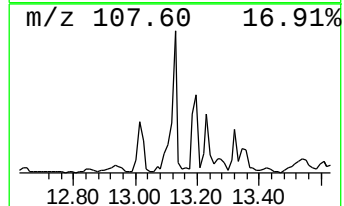
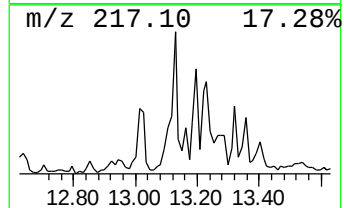
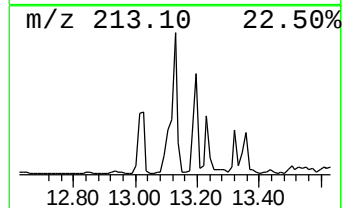
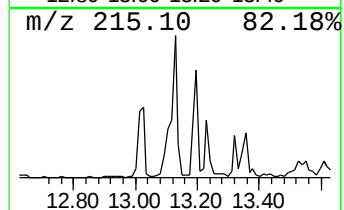
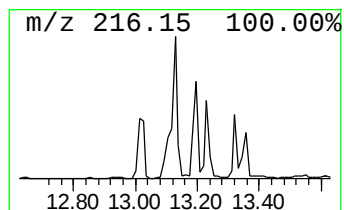
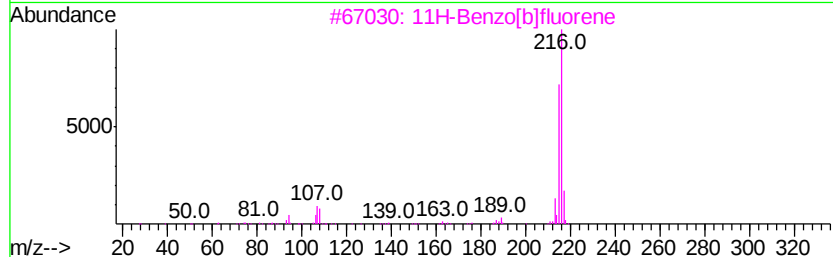
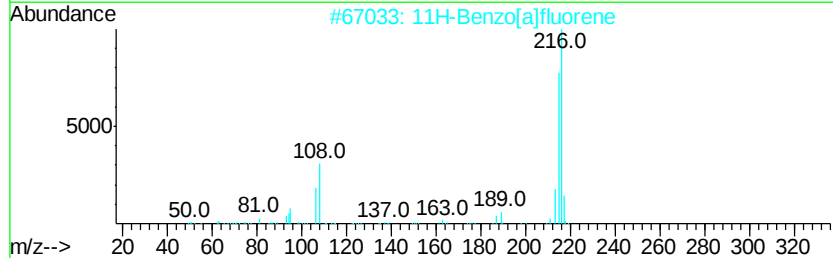
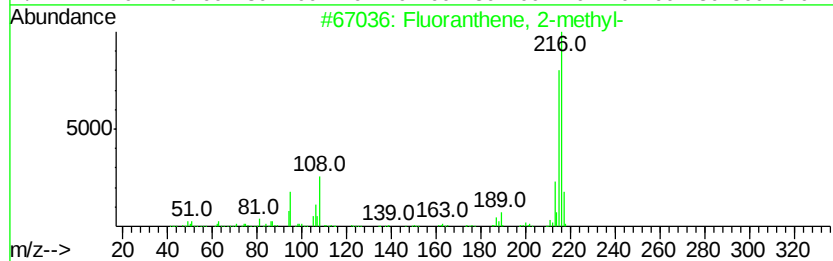
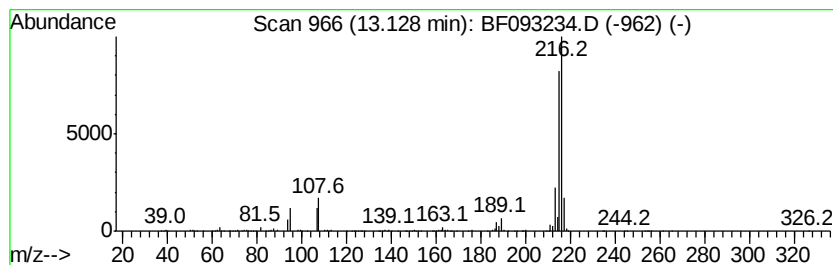
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	7.10 ng	3784170	Chrysene-d12	14.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
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Instrument :
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ClientSampleId :
E2-B1-B2-BASE-2

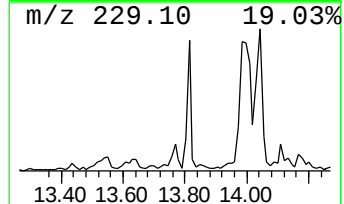
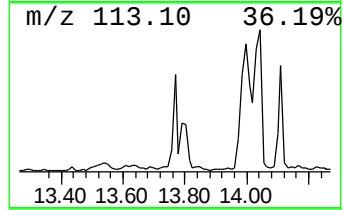
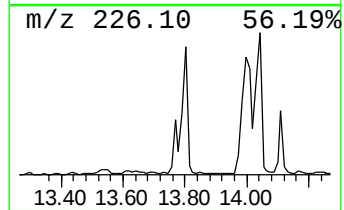
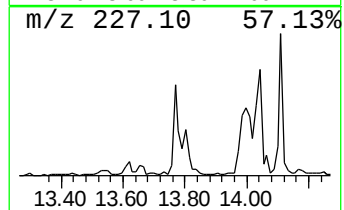
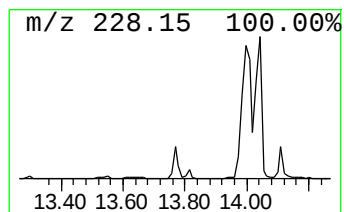
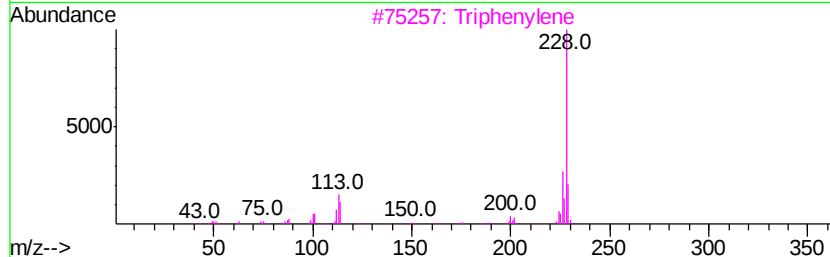
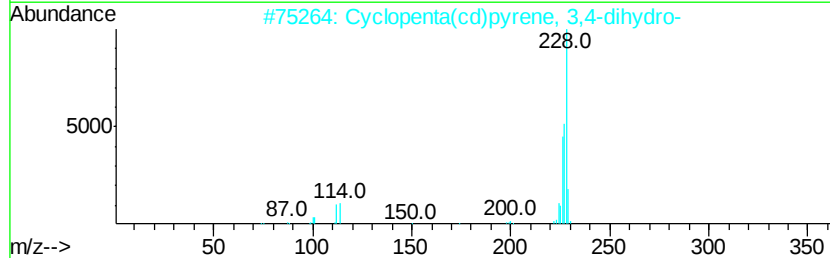
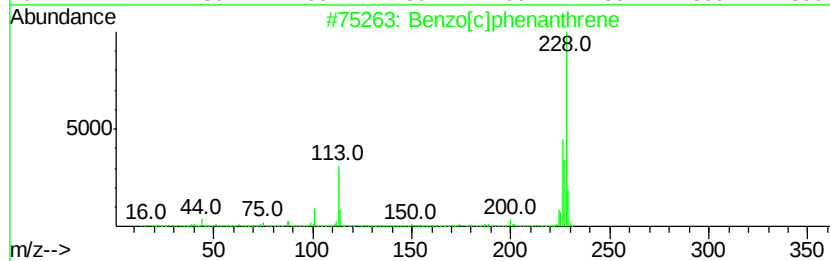
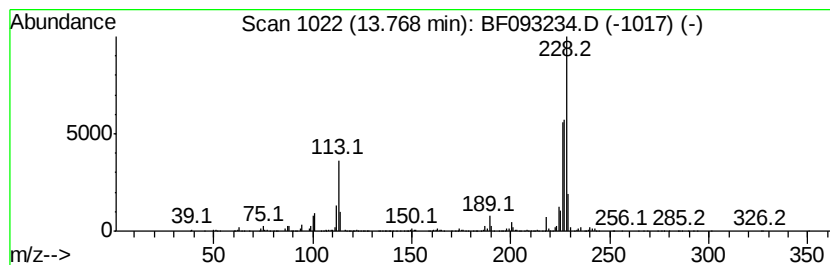
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[c]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	6.55 ng	3491360	Chrysene-d12	14.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	96
2		Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	96
3		Triphenylene	228	C18H12	000217-59-4	90
4		Benz[a]anthracene	228	C18H12	000056-55-3	87
5		Chrysene	228	C18H12	000218-01-9	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093234.D
Acq On : 28 Feb 2017 4:54
Operator : SJ/MA
Sample : I1973-12 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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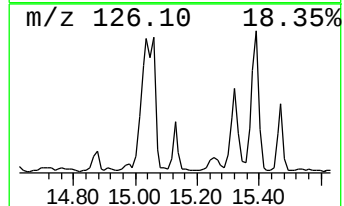
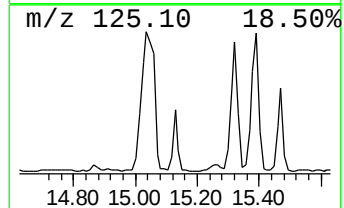
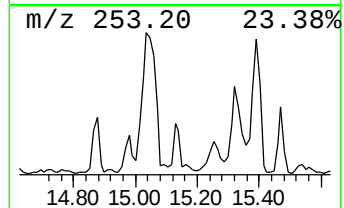
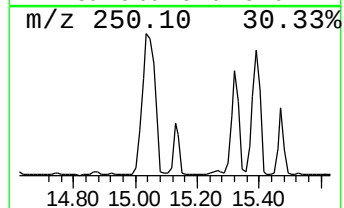
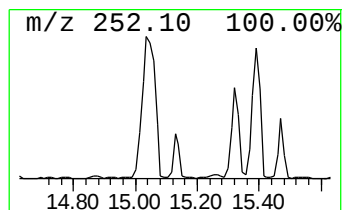
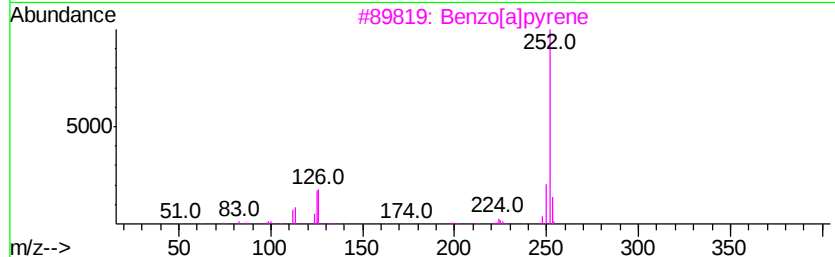
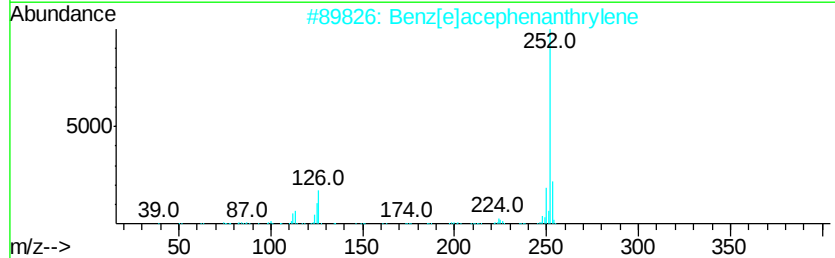
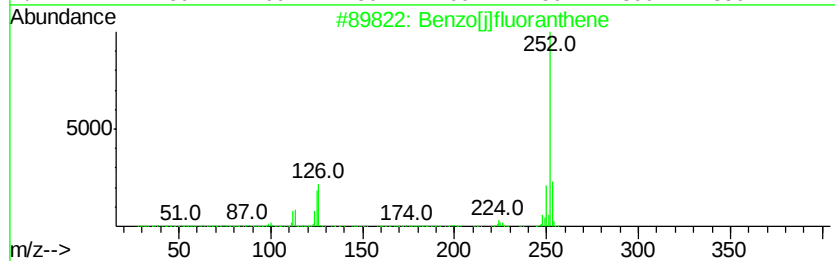
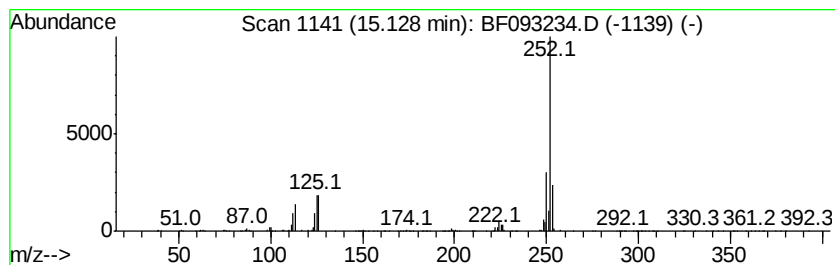
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[j]fluoranthene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	8.79 ng	1295580	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[il]fluoranthene	252	C20H12	000205-82-3	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	94
4		Benzo[e]pyrene	252	C20H12	000192-97-2	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



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Misc :
ALS Vial : 23 Sample Multiplier: 1

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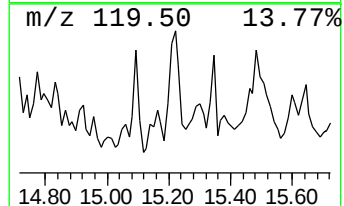
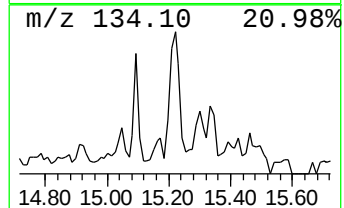
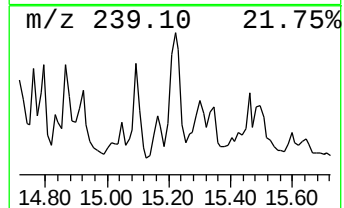
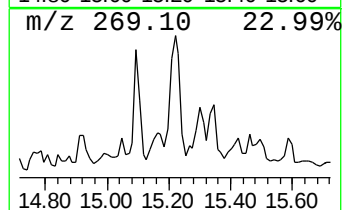
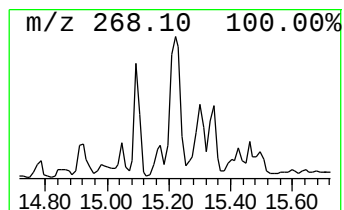
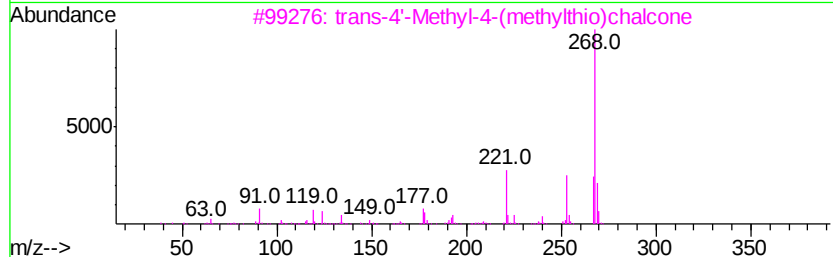
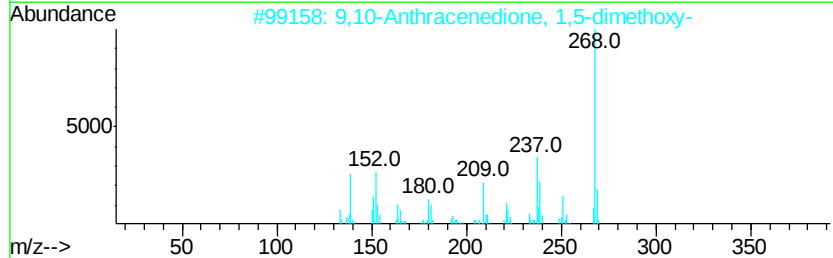
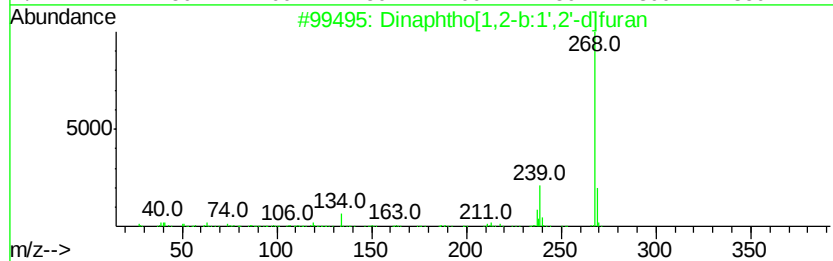
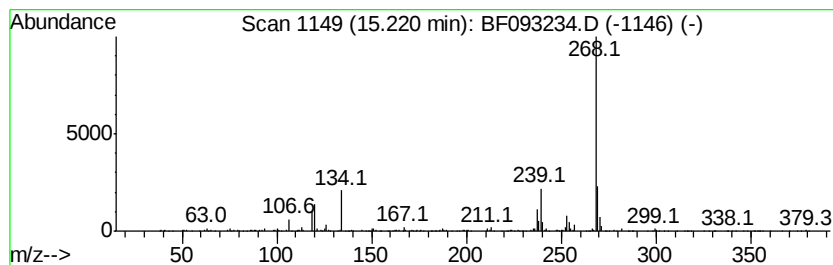
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	5.41 ng	798043	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
3		trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	53
4		9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	53
5		trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093234.D
Acq On : 28 Feb 2017 4:54
Operator : SJ/MA
Sample : I1973-12 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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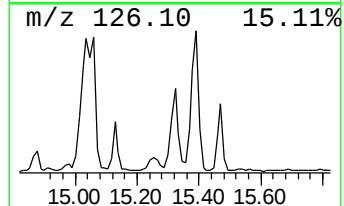
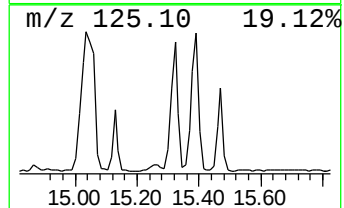
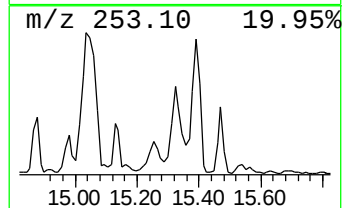
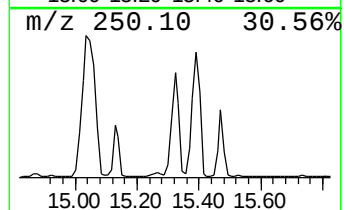
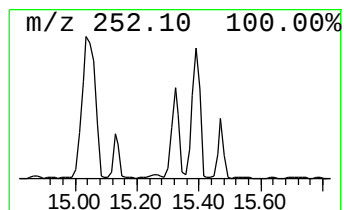
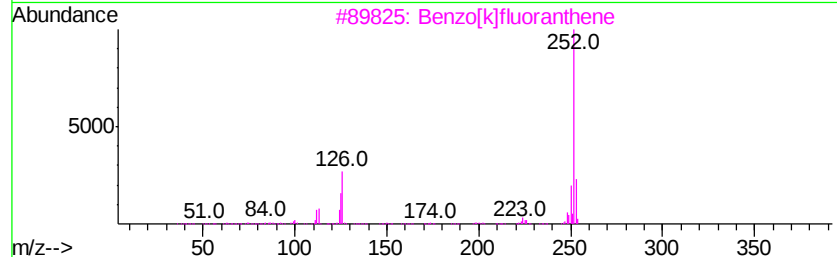
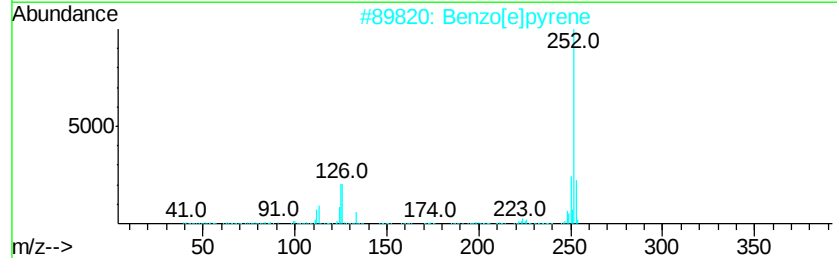
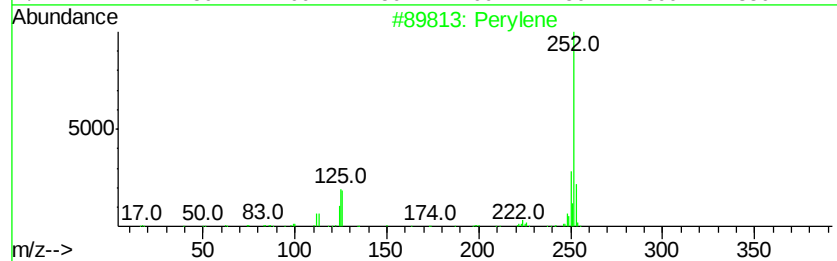
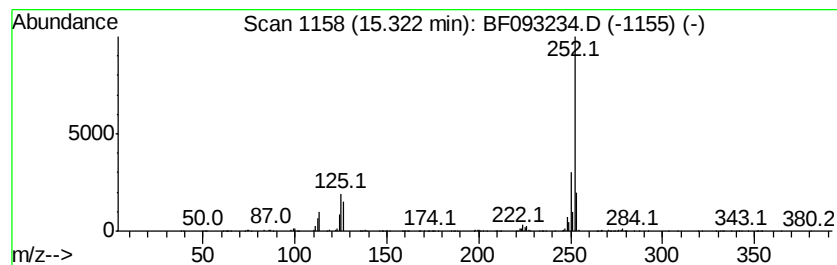
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	26.90 ng	3965950	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	95
2		Benzo[e]pyrene	252	C20H12	000192-97-2	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



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Misc :
ALS Vial : 23 Sample Multiplier: 1

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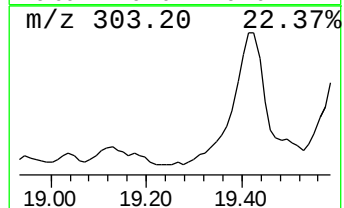
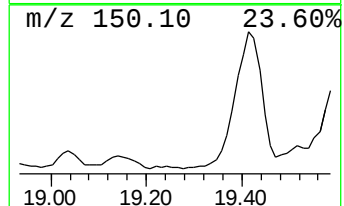
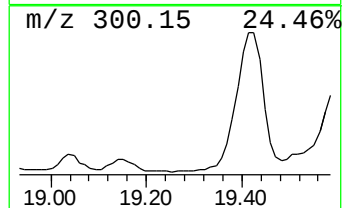
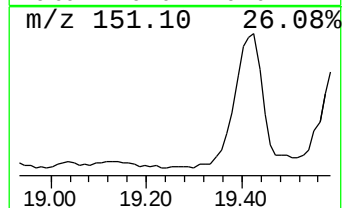
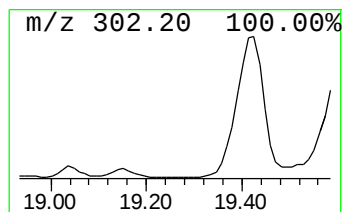
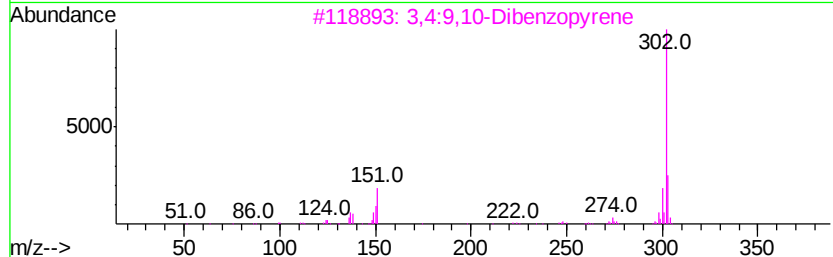
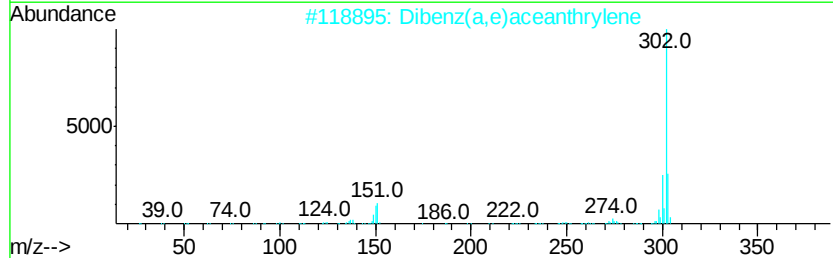
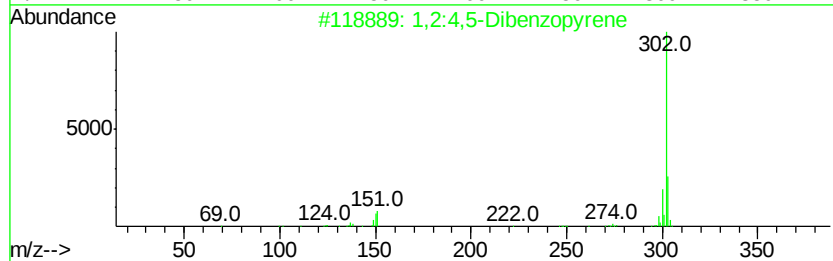
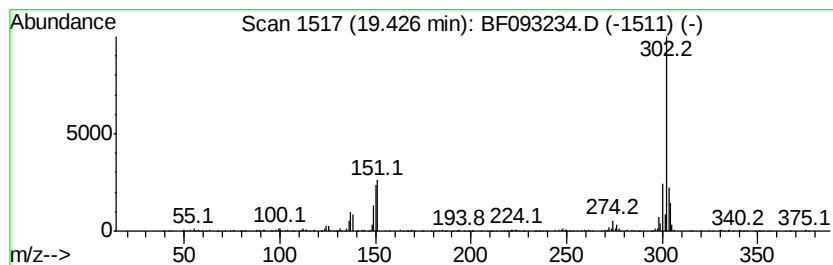
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	7.56 ng	1114050	Perylene-d12	15.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
2			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	97
4			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
5			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	64



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 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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					#	RT	Resp	Conc
unknown6.59	6.59	15.8	ng	777999	1	6.82	987045	20.0
Naphthalene, 1-me...	8.92	8.6	ng	2724180	2	8.11	6341320	20.0
Naphthalene, 2-et...	9.38	8.9	ng	857551	3	9.86	1927750	20.0
Naphthalene, 2,6-...	9.45	19.7	ng	1897330	3	9.86	1927750	20.0
Naphthalene, 2,3-...	9.52	27.7	ng	2668440	3	9.86	1927750	20.0
Naphthalene, 2,3,...	10.18	7.9	ng	763410	3	9.86	1927750	20.0
Naphthalene, 1,6,...	10.20	6.7	ng	646793	3	9.86	1927750	20.0
1-Isopropenylnaph...	10.48	21.4	ng	2066160	3	9.86	1927750	20.0
[1,1'-Biphenyl]-4...	10.57	18.9	ng	1825480	3	9.86	1927750	20.0
4H-Cyclopenta[def...	11.97	6.4	ng	6513690	4	11.36	20302800	20.0
Fluoranthene, 2-m...	13.13	7.1	ng	3784170	5	14.01	10660500	20.0
Benzo[c]phenanthrene	13.77	6.5	ng	3491360	5	14.01	10660500	20.0
Benzo[j]fluoranthene	15.13	8.8	ng	1295580	6	15.44	2948610	20.0
Dinaphtho[1,2-b:1...	15.22	5.4	ng	798043	6	15.44	2948610	20.0
Perylene	15.32	26.9	ng	3965950	6	15.44	2948610	20.0
1,2:4,5-Dibenzopy...	19.43	7.6	ng	1114050	6	15.44	2948610	20.0