

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093237.D
 Acq On : 28 Feb 2017 6:17
 Operator : SJ/MA
 Sample : I1997-03 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASE

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	4.967	250	252	261	rVB	592790	693695	4.94%	0.368%
2	5.413	290	291	294	rBV	1266628	1781497	12.70%	0.944%
3	6.464	381	383	386	rBV	1349635	1867118	13.31%	0.989%
4	6.590	391	394	396	rVV	2125974	1892567	13.49%	1.003%
5	6.819	411	414	416	rBV	1021651	892106	6.36%	0.473%
6	6.979	425	428	430	rBV	1049666	1423490	10.14%	0.754%
7	7.253	450	452	458	rVB	533926	651850	4.65%	0.345%
8	7.390	462	464	466	rBV	959785	1100572	7.84%	0.583%
9	8.110	524	527	531	rVB2	847908	1673293	11.92%	0.887%
10	8.819	587	589	591	rVV	467136	404388	2.88%	0.214%
11	8.922	595	598	599	rVB	226067	312843	2.23%	0.166%
12	9.185	618	621	623	rVB	1634196	1791725	12.77%	0.950%
13	9.299	623	631	633	rBV	751861	863273	6.15%	0.457%
14	9.448	641	644	646	rBV	232372	297796	2.12%	0.158%
15	9.516	648	650	651	rBV	485669	471497	3.36%	0.250%
16	9.585	654	656	657	rVB	378846	429983	3.06%	0.228%
17	9.630	657	660	665	rBV	192711	363768	2.59%	0.193%
18	9.722	665	668	670	rVV	326747	316244	2.25%	0.168%
19	9.859	676	680	681	rBV	1131120	1179940	8.41%	0.625%
20	9.893	681	683	685	rVB	2519776	2186268	15.58%	1.159%
21	9.973	688	690	692	rVB2	363725	400582	2.85%	0.212%
22	10.019	692	694	696	rBV2	236353	283861	2.02%	0.150%
23	10.065	696	698	700	rBV	1050124	1029392	7.34%	0.546%
24	10.099	700	701	706	rVB	259469	291037	2.07%	0.154%
25	10.179	706	708	709	rBV	220342	259903	1.85%	0.138%
26	10.282	713	717	719	rBV3	197355	462482	3.30%	0.245%
27	10.408	726	728	731	rBV	2038627	1823508	12.99%	0.966%
28	10.488	731	735	737	rBV2	463977	1186929	8.46%	0.629%
29	10.568	739	742	744	rVB2	477323	708617	5.05%	0.376%
30	10.648	744	749	751	rBV2	1256180	1633236	11.64%	0.866%
31	10.773	757	760	762	rBV3	264870	342628	2.44%	0.182%
32	10.956	772	776	777	rBV	728276	951366	6.78%	0.504%
33	10.979	777	778	780	rVB2	274670	329259	2.35%	0.174%
34	11.036	780	783	785	rVB2	395956	485255	3.46%	0.257%

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35	11.082	785	787	788	rBV2	284719	460156	3.28%	0.244%
36	11.105	788	789	792	rVB	403457	351535	2.51%	0.186%
37	11.196	795	797	799	rBV2	495714	778555	5.55%	0.413%
38	11.242	799	801	804	rVB	1165135	1176740	8.39%	0.624%
39	11.391	808	814	816	rBV	6206250	11081987	78.97%	5.873%
40	11.436	816	818	819	rVB	4031727	3716191	26.48%	1.969%
41	11.459	819	820	823	rVB	600770	616801	4.40%	0.327%
42	11.505	823	824	827	rVB2	201975	269605	1.92%	0.143%
43	11.585	827	831	834	rBV2	1089496	2032158	14.48%	1.077%
44	11.642	834	836	837	rBV	479455	394397	2.81%	0.209%
45	11.676	837	839	842	rVB3	348405	533253	3.80%	0.283%
46	11.768	845	847	848	rBV	309812	433583	3.09%	0.230%
47	11.859	852	855	856	rBV	2246322	2691179	19.18%	1.426%
48	11.894	856	858	860	rVB	1916011	2451961	17.47%	1.299%
49	11.939	860	862	863	rBV	1449889	1620975	11.55%	0.859%
50	11.974	863	865	869	rBV2	2957035	5154591	36.73%	2.732%
51	12.156	879	881	882	rBV	1128525	939482	6.69%	0.498%
52	12.305	892	894	896	rVB	705988	763638	5.44%	0.405%
53	12.339	896	897	902	rVB	1004292	1643956	11.71%	0.871%
54	12.419	902	904	905	rBV	1551368	1920971	13.69%	1.018%
55	12.454	905	907	910	rVB2	1243393	2290605	16.32%	1.214%
56	12.511	910	912	915	rVB2	733758	1324678	9.44%	0.702%
57	12.602	915	920	922	rBV	5459445	11322552	80.69%	6.000%
58	12.648	923	924	926	rVB2	567416	564766	4.02%	0.299%
59	12.728	929	931	934	rBV	804432	1348861	9.61%	0.715%
60	12.831	934	940	942	rBV3	5172965	14033011	100.00%	7.437%
61	12.945	946	950	951	rBV3	1385462	2348238	16.73%	1.244%
62	12.979	951	953	955	rVB	956491	1202407	8.57%	0.637%
63	13.037	955	958	959	rBV2	1361734	2459209	17.52%	1.303%
64	13.139	963	967	970	rBV	2531117	4951784	35.29%	2.624%
65	13.208	970	973	974	rBV	2462877	2509315	17.88%	1.330%
66	13.242	974	976	980	rVV2	1641872	2542115	18.12%	1.347%
67	13.334	982	984	985	rBV	1195965	1268374	9.04%	0.672%
68	13.368	985	987	988	rVB	1202416	1133318	8.08%	0.601%
69	13.505	996	999	1001	rBV3	729209	1334107	9.51%	0.707%
70	13.619	1007	1009	1010	rBV2	579567	833430	5.94%	0.442%
71	13.654	1010	1012	1015	rVV3	710705	1149959	8.19%	0.609%

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72	13.757	1019	1021	1022	rVV	1239877	1671547	11.91%	0.886%
73	13.814	1024	1026	1033	rVB4	1298769	3283531	23.40%	1.740%
74	14.008	1039	1043	1045	rBV	3685852	9385108	66.88%	4.974%
75	14.054	1045	1047	1050	rVB	3864610	5272378	37.57%	2.794%
76	14.122	1051	1053	1055	rVB	1329883	1177573	8.39%	0.624%
77	14.237	1061	1063	1068	rVB3	734347	1456054	10.38%	0.772%
78	14.362	1072	1074	1075	rBV2	409693	690753	4.92%	0.366%
79	14.397	1075	1077	1079	rVV	1421593	1922599	13.70%	1.019%
80	14.431	1079	1080	1081	rVB	787025	554807	3.95%	0.294%
81	14.591	1092	1094	1095	rVB2	493943	613046	4.37%	0.325%
82	14.717	1103	1105	1108	rBV2	384893	878398	6.26%	0.466%
83	14.888	1118	1120	1122	rBV	429243	654891	4.67%	0.347%
84	15.060	1130	1135	1138	rBV	2983480	8903752	63.45%	4.719%
85	15.151	1141	1143	1145	rVB	1136630	1319556	9.40%	0.699%
86	15.345	1156	1160	1162	rBV	2066402	3686685	26.27%	1.954%
87	15.414	1162	1166	1168	rVV	2895625	5253965	37.44%	2.784%
88	15.460	1168	1170	1171	rVV	277085	438846	3.13%	0.233%
89	15.494	1171	1173	1175	rVB2	1427572	1992295	14.20%	1.056%
90	15.620	1182	1184	1185	rBV	370822	553376	3.94%	0.293%
91	15.985	1214	1216	1221	rVB2	364859	751134	5.35%	0.398%
92	16.671	1274	1276	1278	rBV	206134	367187	2.62%	0.195%
93	16.888	1290	1295	1297	rVB	1545965	3864237	27.54%	2.048%
94	16.934	1297	1299	1301	rVB	171185	255048	1.82%	0.135%
95	17.026	1304	1307	1310	rBV	486163	1029293	7.33%	0.545%
96	17.094	1310	1313	1316	rBV2	318719	610967	4.35%	0.324%
97	17.323	1328	1333	1338	rVB	1293473	3584803	25.55%	1.900%
98	17.540	1348	1352	1358	rVB	721796	2062467	14.70%	1.093%
99	17.883	1378	1382	1392	rVB5	618119	2659387	18.95%	1.409%
100	19.460	1516	1520	1527	rVB	399099	1370953	9.77%	0.727%

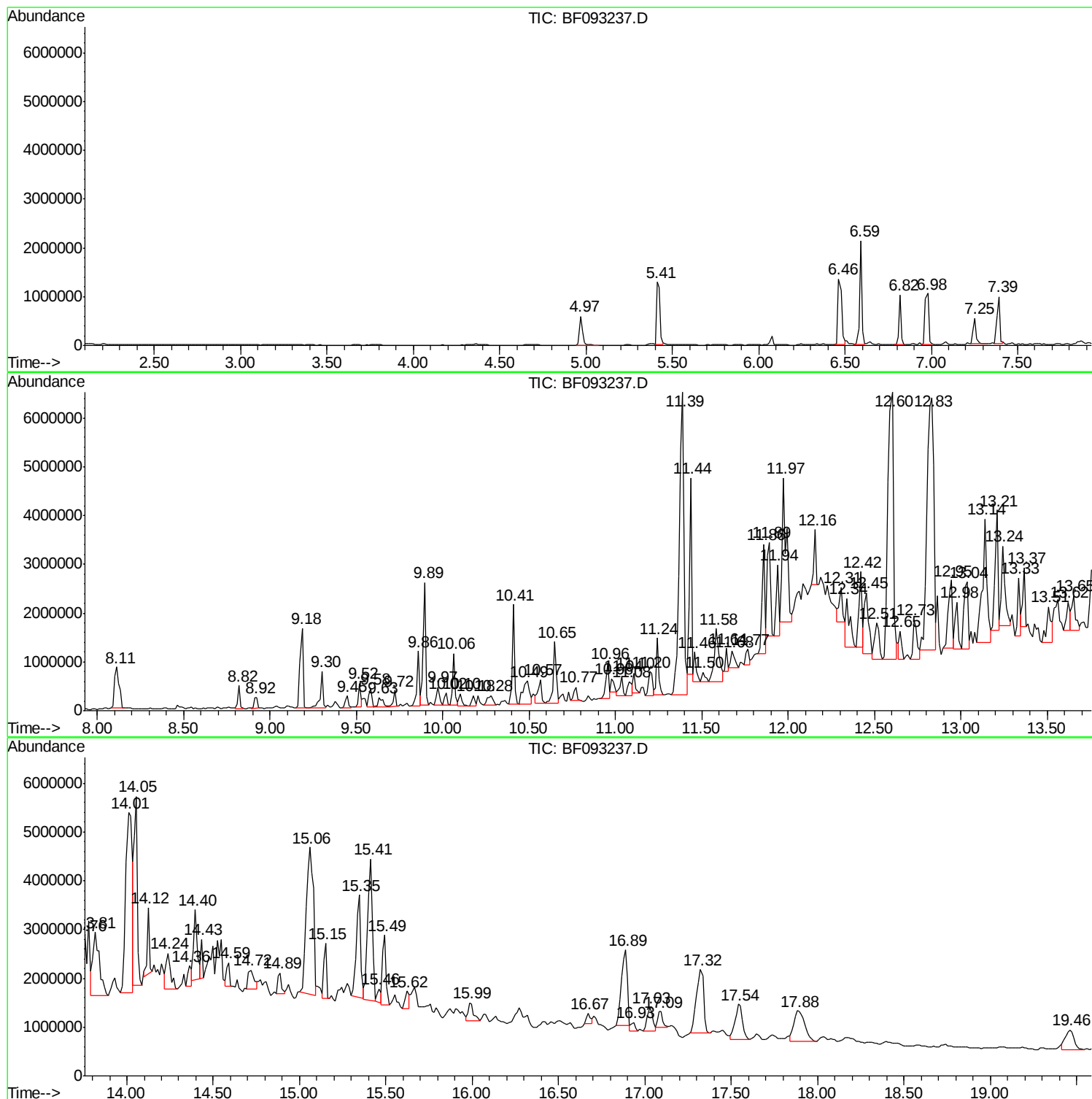
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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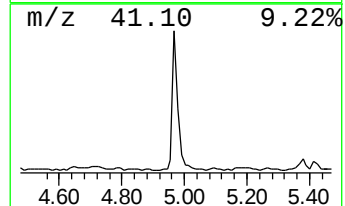
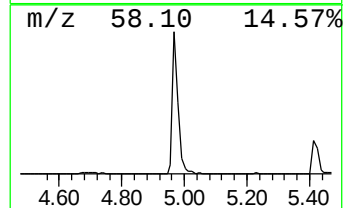
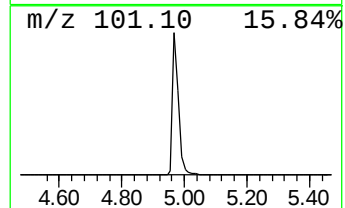
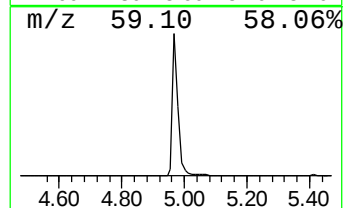
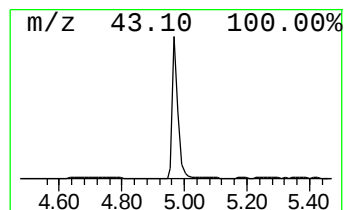
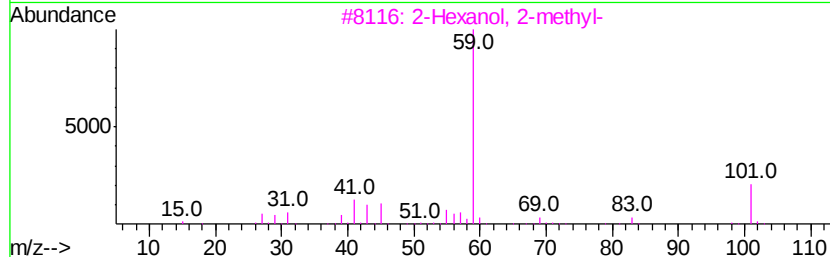
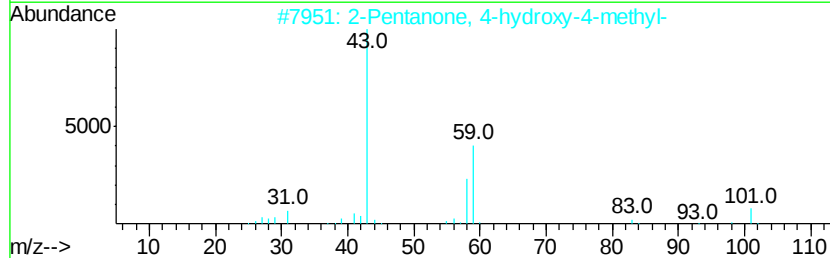
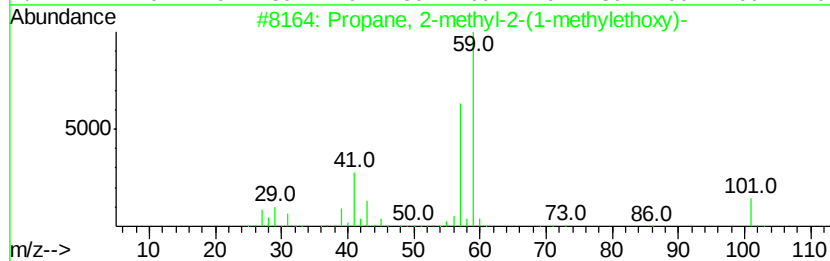
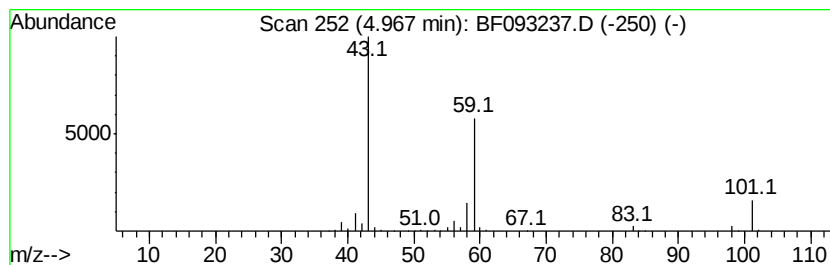
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 2-methyl-2-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	15.55 ng	693695	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
2		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32



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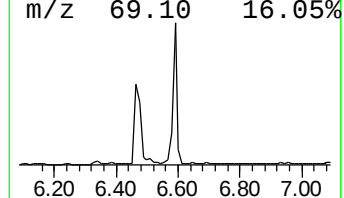
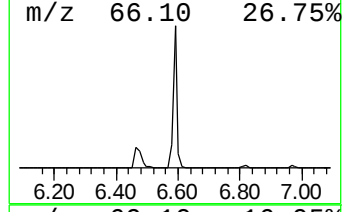
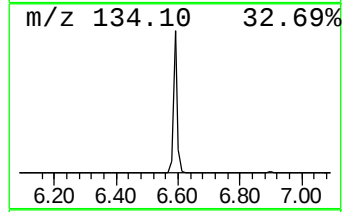
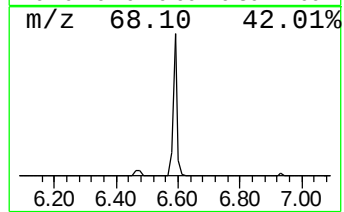
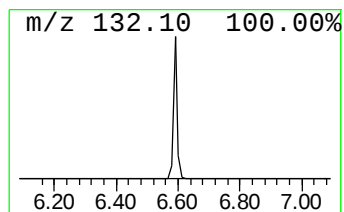
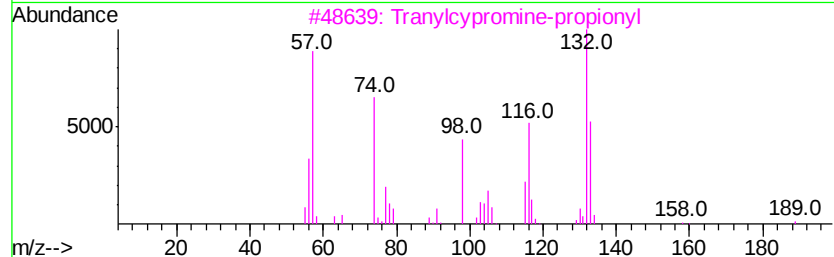
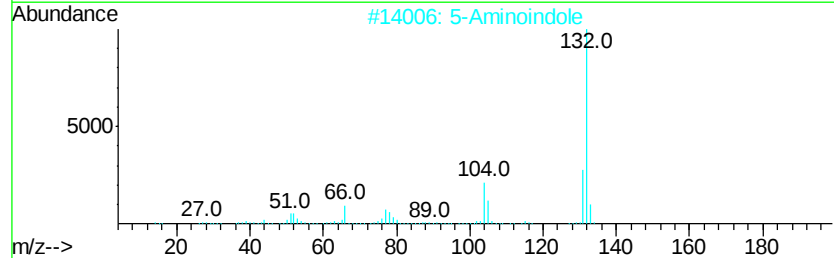
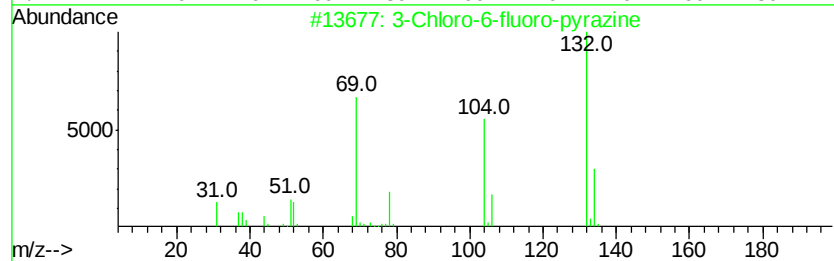
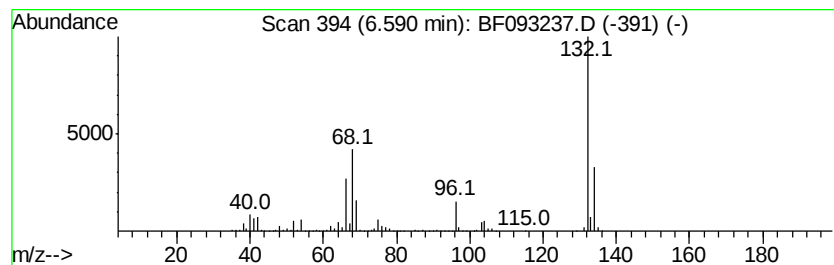
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.59 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	42.43 ng	1892570	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		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



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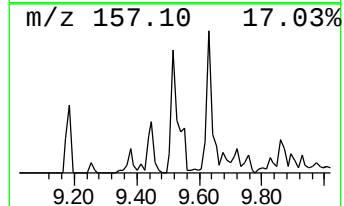
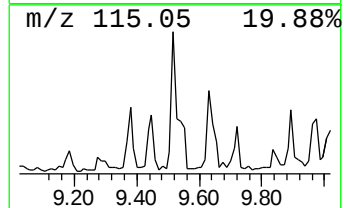
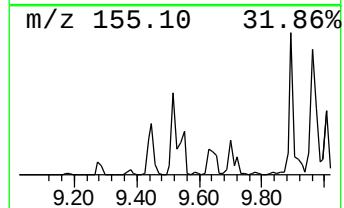
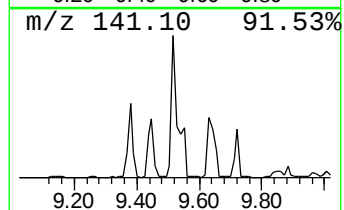
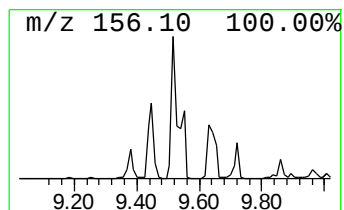
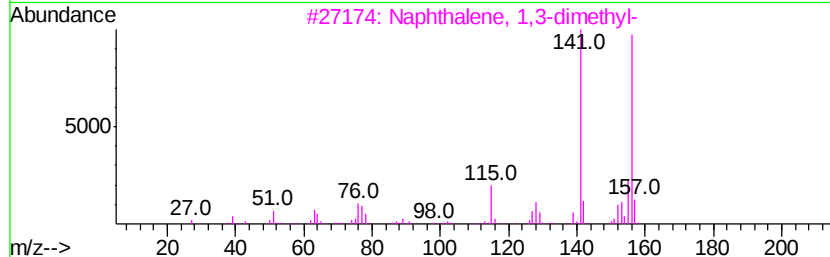
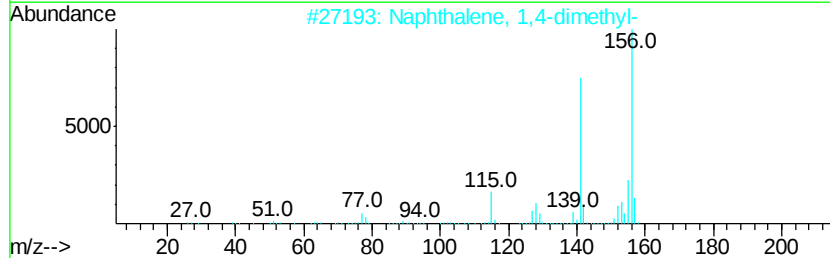
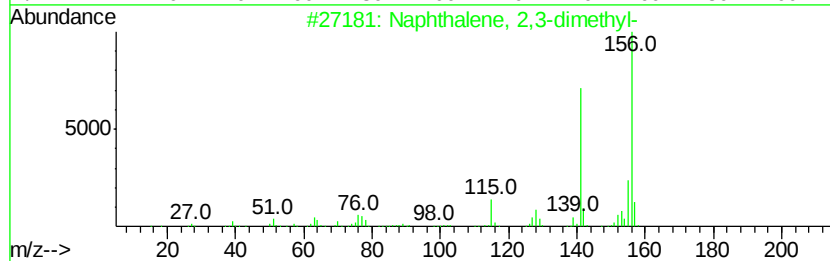
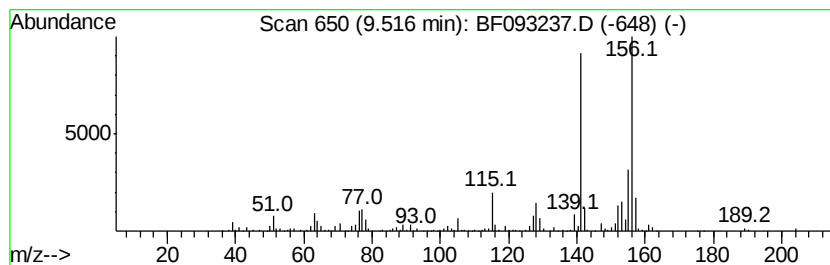
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	7.99 ng	471497	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093237.D
Acq On : 28 Feb 2017 6:17
Operator : SJ/MA
Sample : I1997-03 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-W6-BASE

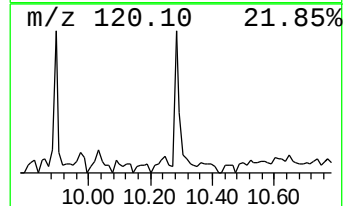
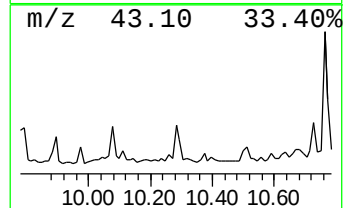
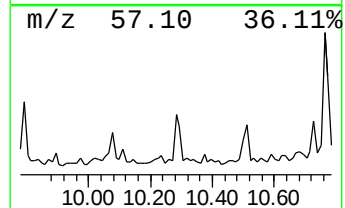
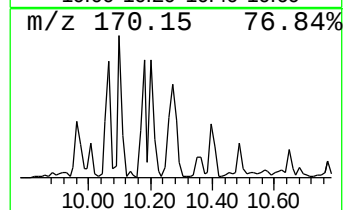
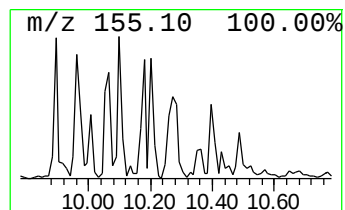
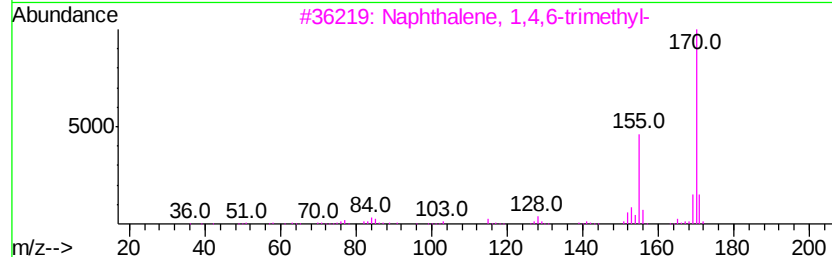
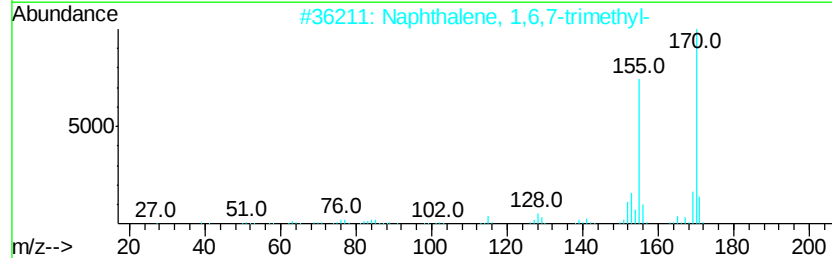
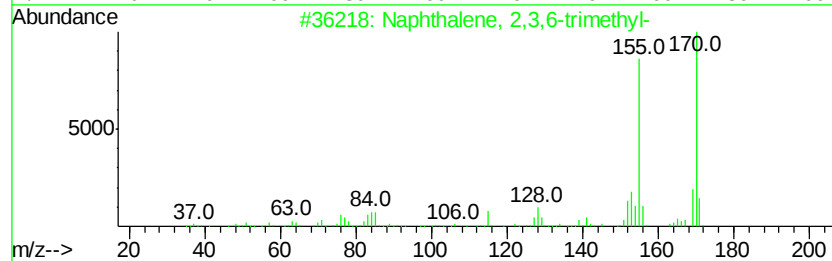
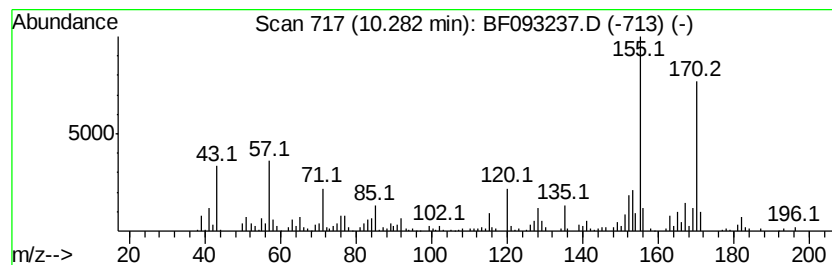
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	7.84 ng	462482	Acenaphthene-d10	9.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
4			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	86
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093237.D
Acq On : 28 Feb 2017 6:17
Operator : SJ/MA
Sample : I1997-03 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

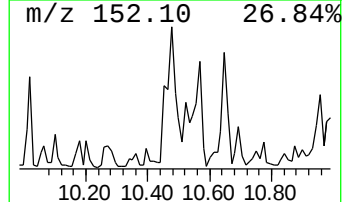
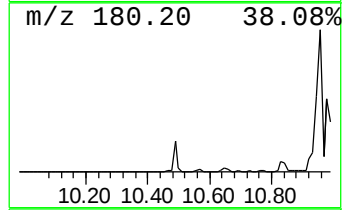
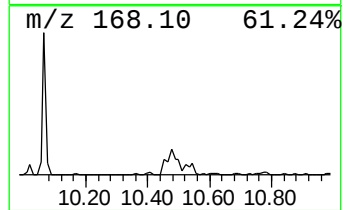
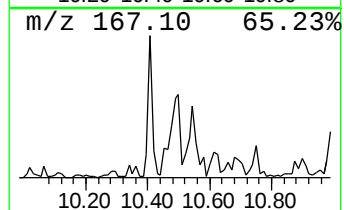
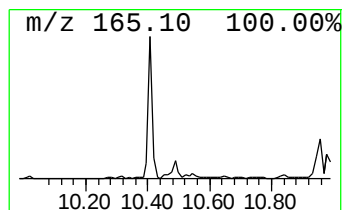
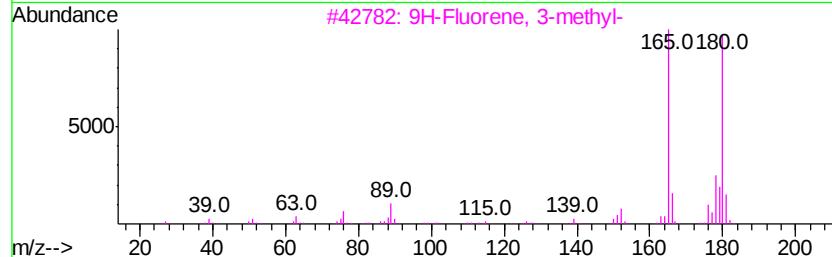
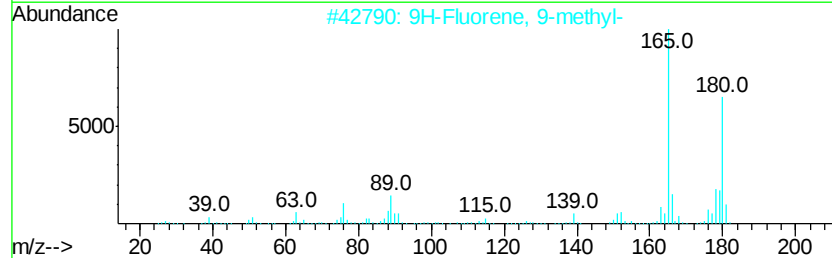
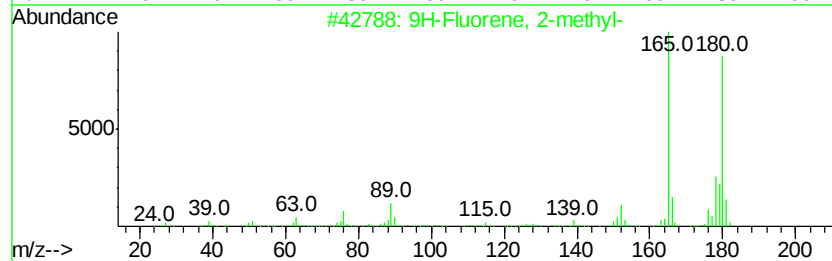
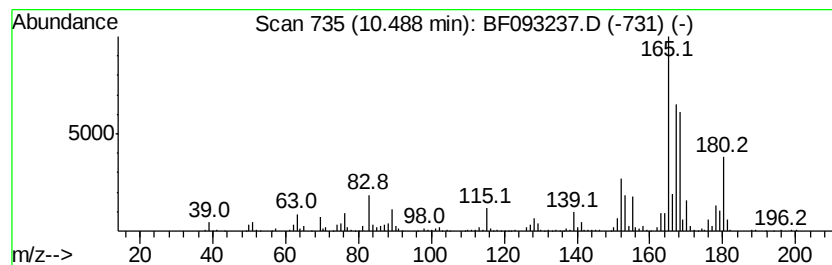
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown10.49 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.49	20.12 ng	1186930	Acenaphthene-d10	9.86	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	49
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	49
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	47
4	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	46
5	Silane, trimethyl(4-methylphenoxy)-	180	C10H16OSi	017902-32-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093237.D
Acq On : 28 Feb 2017 6:17
Operator : SJ/MA
Sample : I1997-03 2X
Misc :
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Instrument :
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ClientSampleId :
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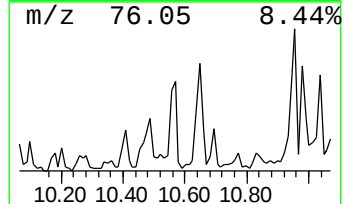
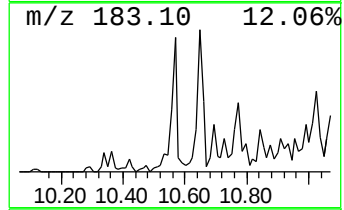
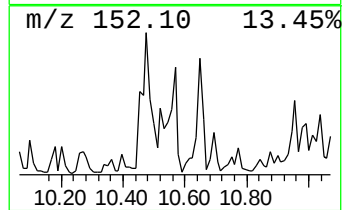
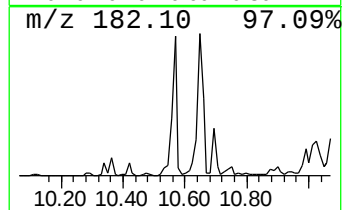
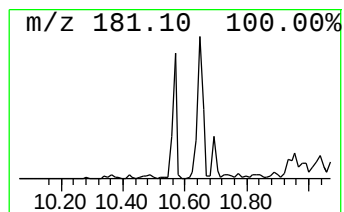
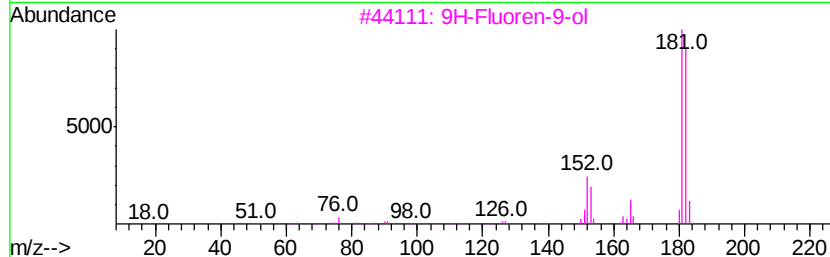
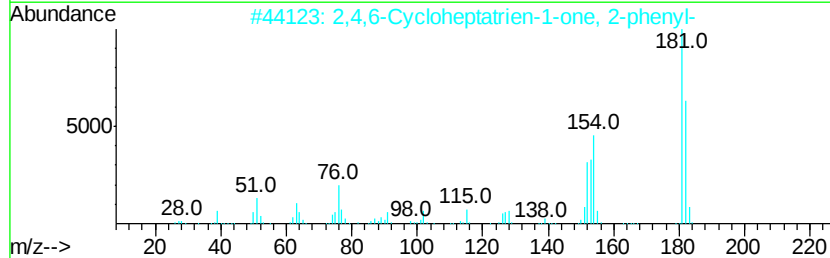
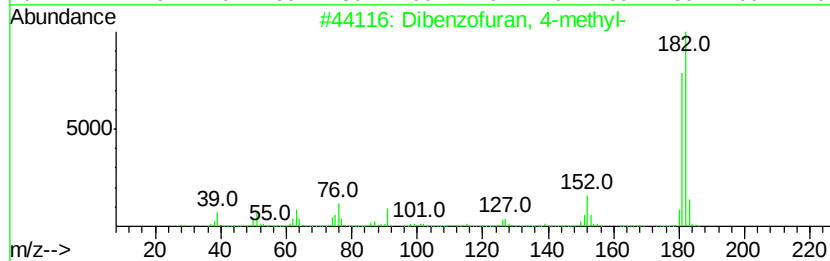
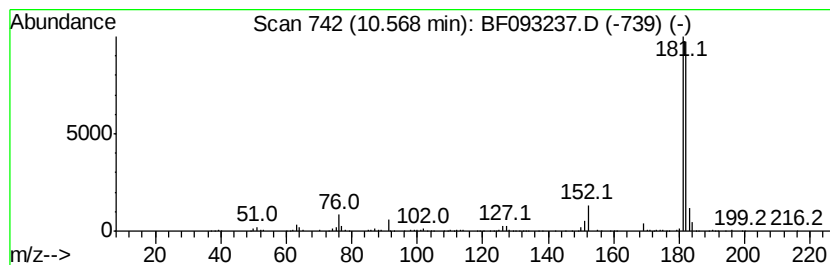
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	12.01 ng	708617	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4		3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	56
5		Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	56



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093237.D
Acq On : 28 Feb 2017 6:17
Operator : SJ/MA
Sample : I1997-03 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

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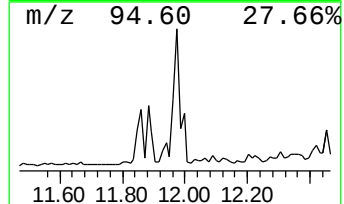
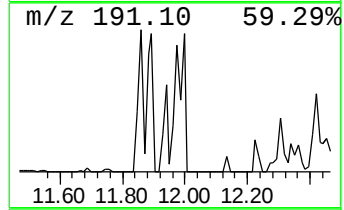
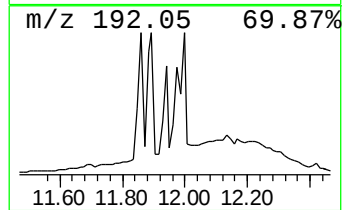
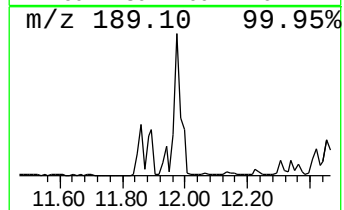
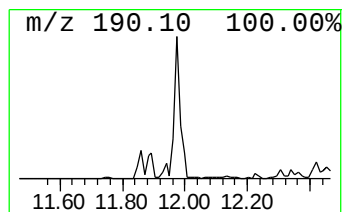
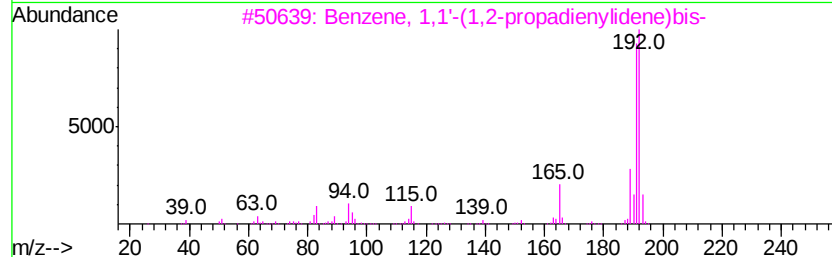
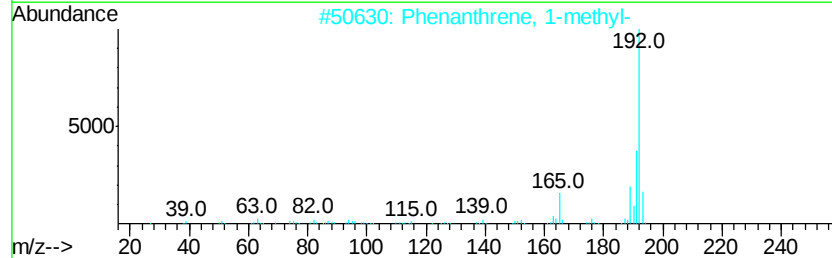
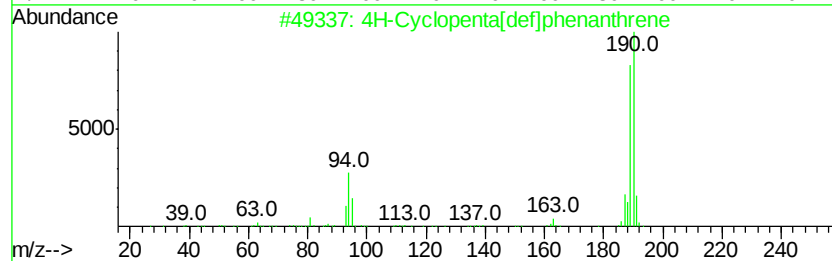
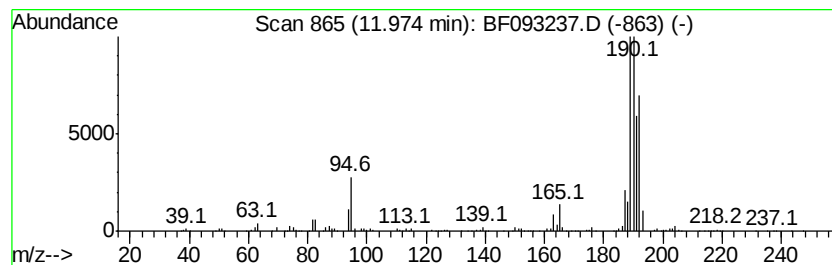
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	9.30 ng	5154590	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
3		Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093237.D
Acq On : 28 Feb 2017 6:17
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Sample : I1997-03 2X
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ALS Vial : 26 Sample Multiplier: 1

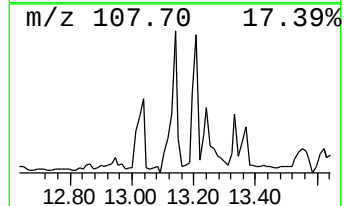
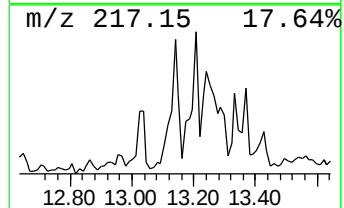
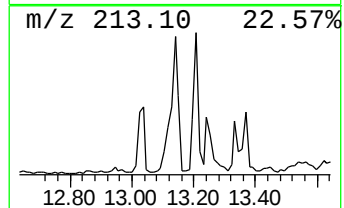
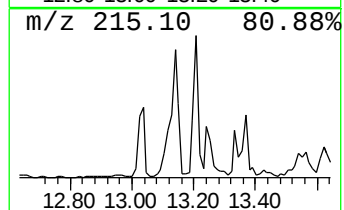
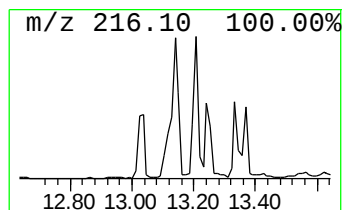
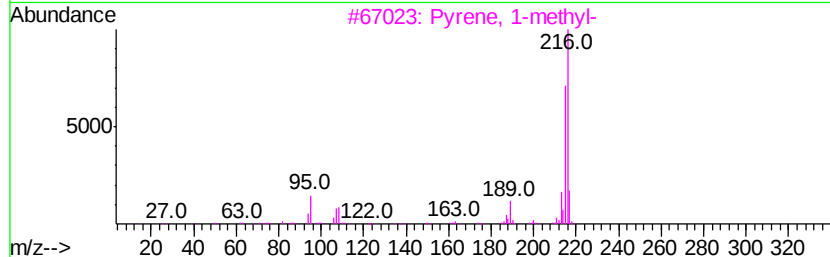
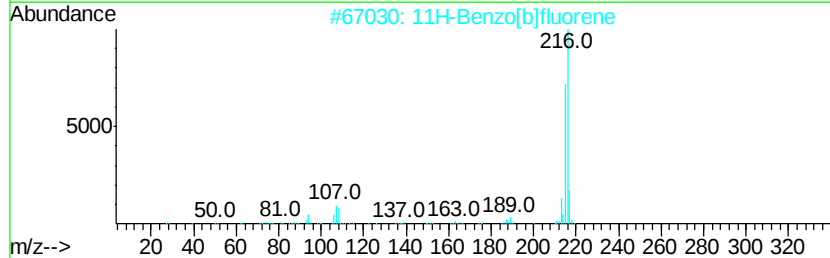
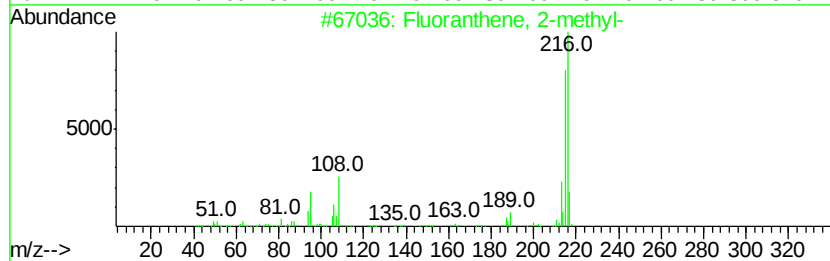
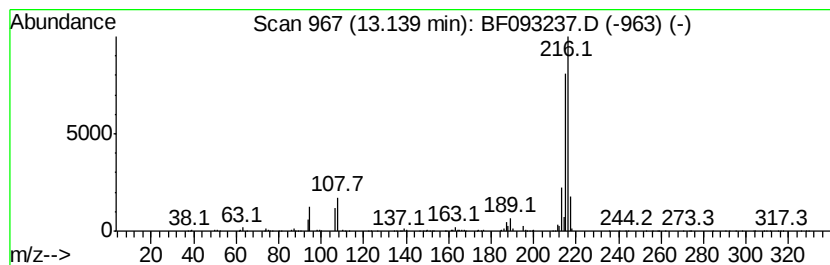
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	10.55 ng	4951780	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 95
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 93
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 93
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093237.D
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-W6-BASE

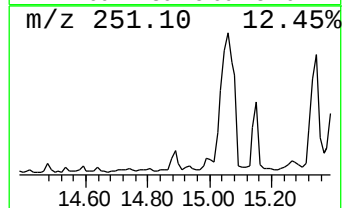
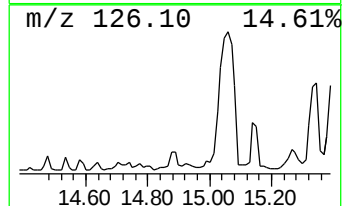
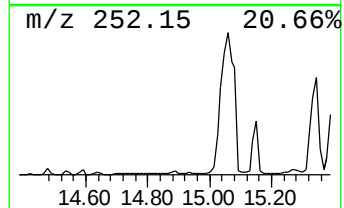
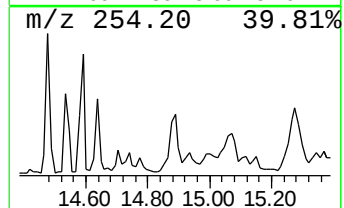
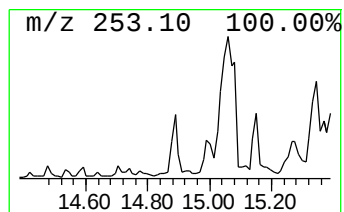
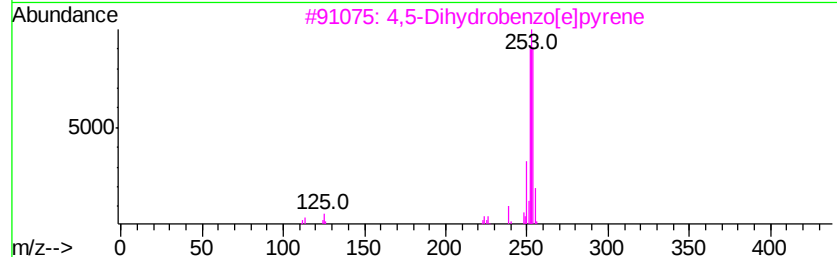
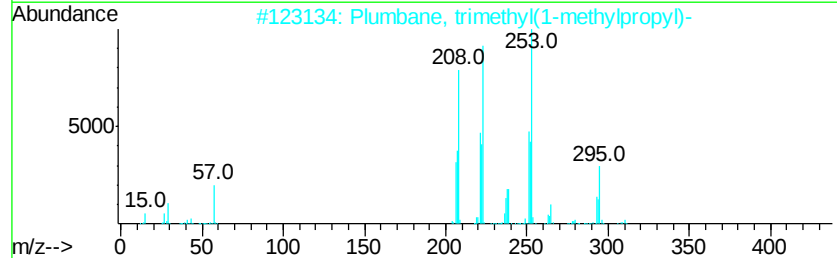
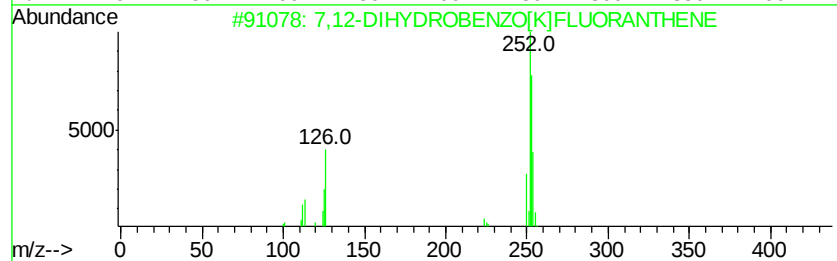
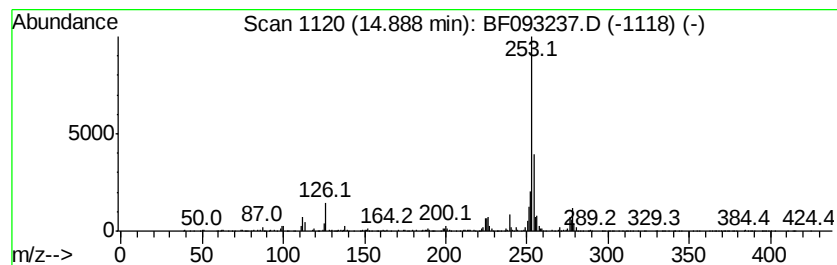
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown14.89 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	29.85 ng	654891	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	53
2		Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	47
3		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	35
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	35
5		4,6'-Biazuleny1	254	C20H14	094154-49-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
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Operator : SJ/MA
Sample : I1997-03 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-W6-BASE

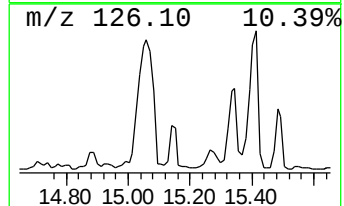
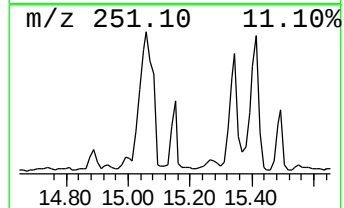
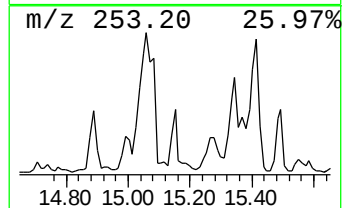
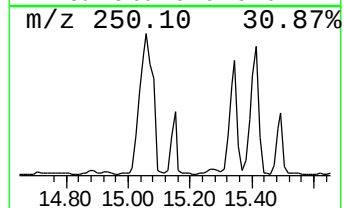
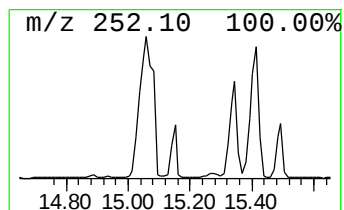
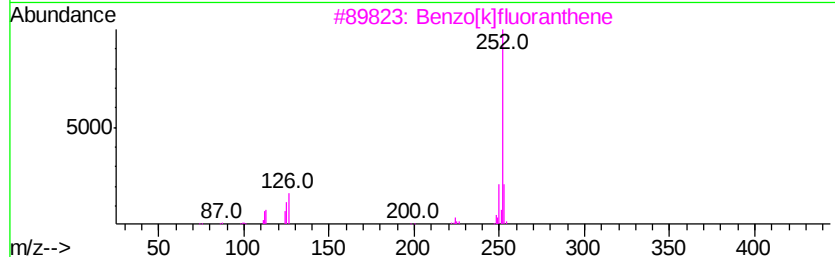
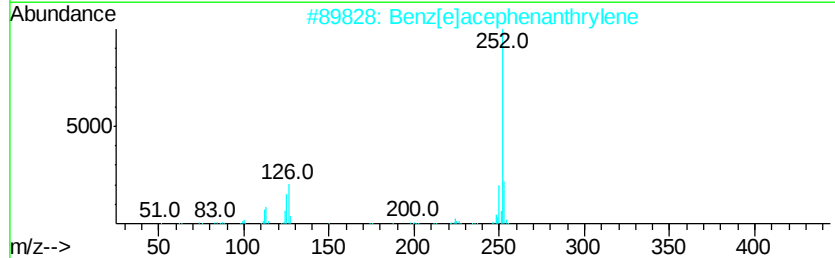
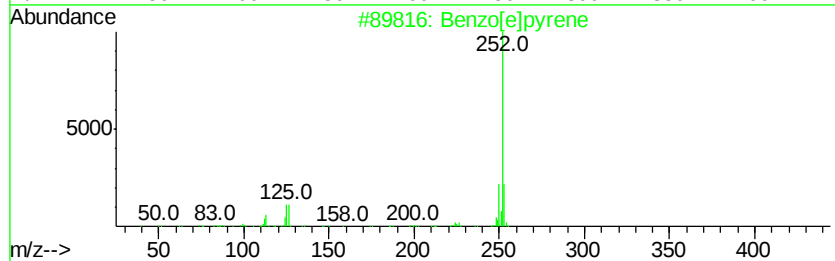
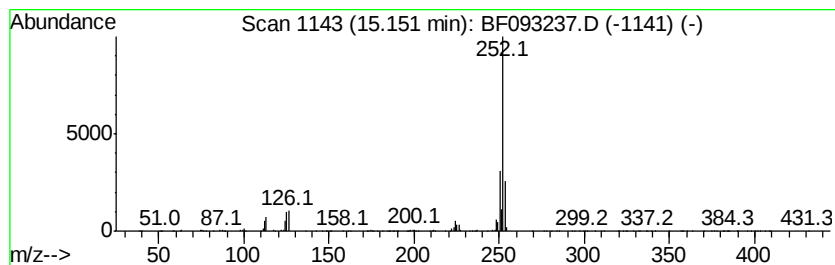
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	60.14 ng	1319560	Perylene-d12	15.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]bpvrene	252	C20H12	000192-97-2	93
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4		Benzo[a]bpvrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093237.D
Acq On : 28 Feb 2017 6:17
Operator : SJ/MA
Sample : I1997-03 2X
Misc :
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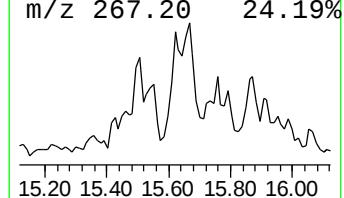
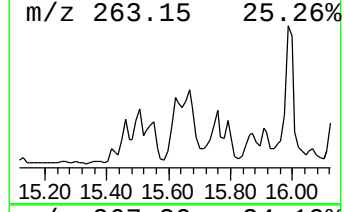
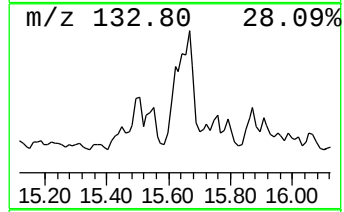
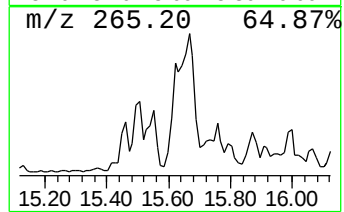
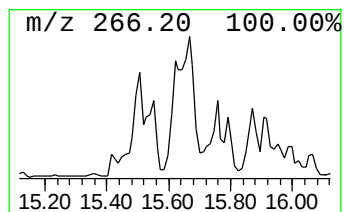
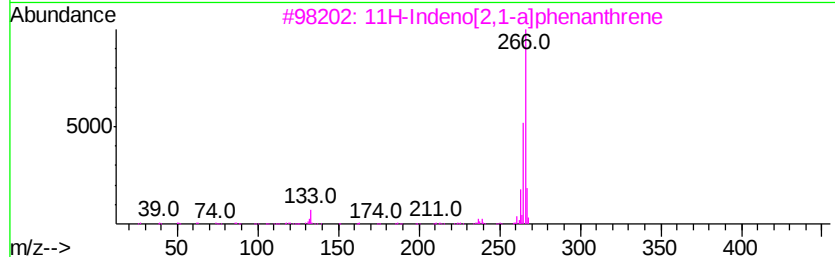
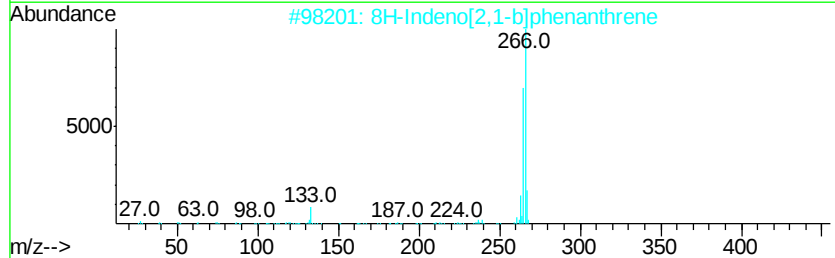
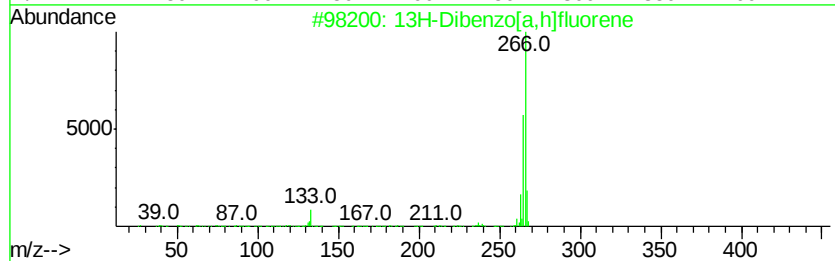
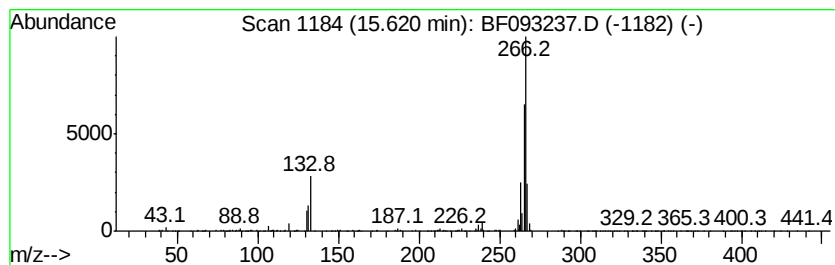
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 13H-Dibenzo[a,h]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.62	25.22 ng	553376	Perylene-d12	15.46		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	93
2		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	76
3		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	70
4		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	53
5		Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	52



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Sample : I1997-03 2X
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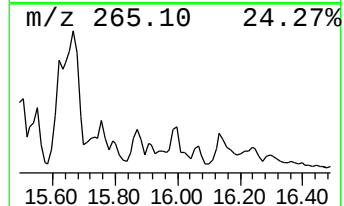
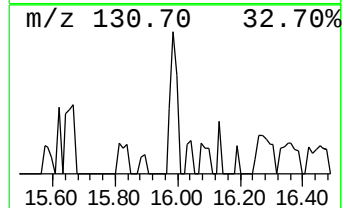
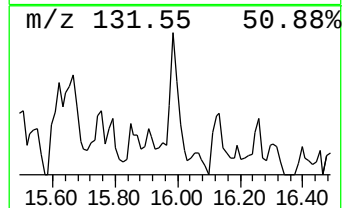
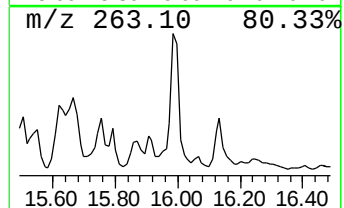
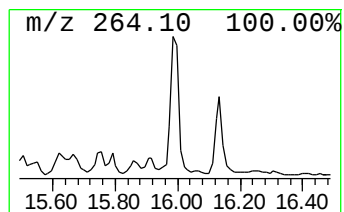
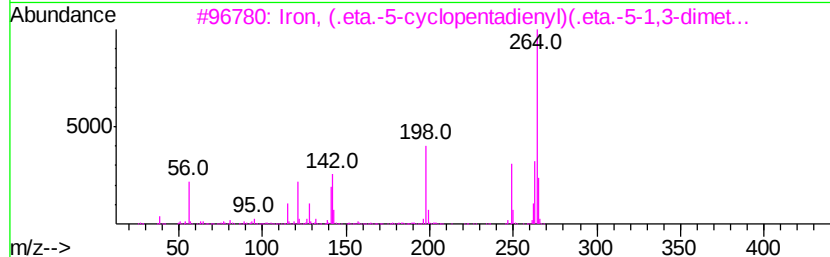
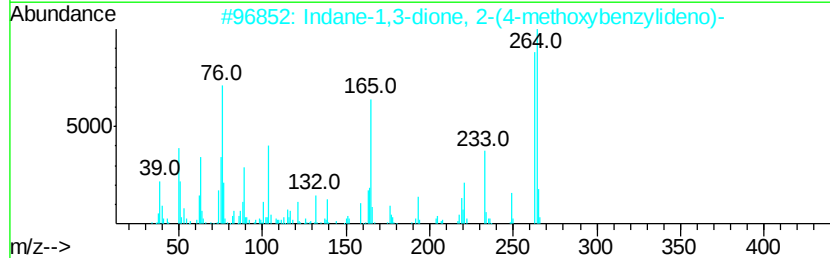
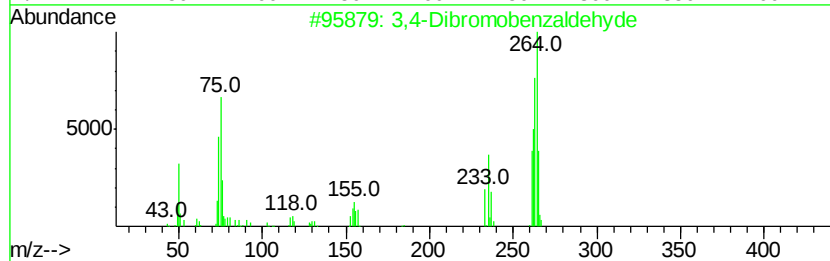
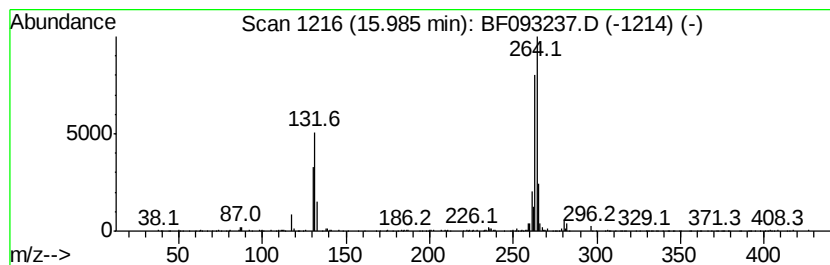
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 3,4-Dibromobenzaldehyde Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.			
15.99	34.23 ng	751134	Perylene-d12	15.46			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	52
2			Indane-1,3-dione, 2-(4-methoxybenzylidene)-	264	C17H12O3	007421-76-3	43
3			Iron, (.eta.-5-cyclopentadienyl)(.eta.-5-1,3-dimethyl-2-imidazolidinylidene)-	264	C16H16Fe	1000155-06-6	35
4			Tricyclo[10.2.2.2(5,8)]octadeca-	264	C20H24	024777-38-6	27
5			7-Carbomethoxy-5,8-dimethoxy-1-tetralone	264	C14H16O5	122136-07-6	18



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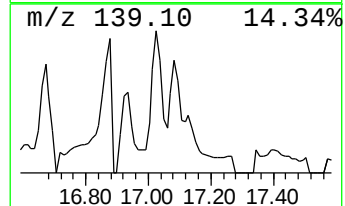
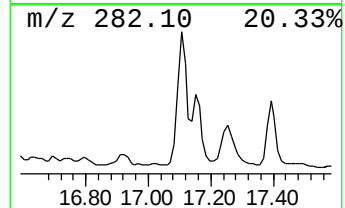
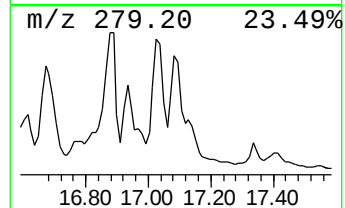
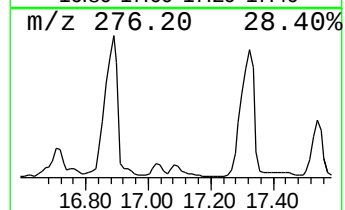
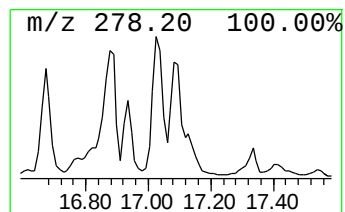
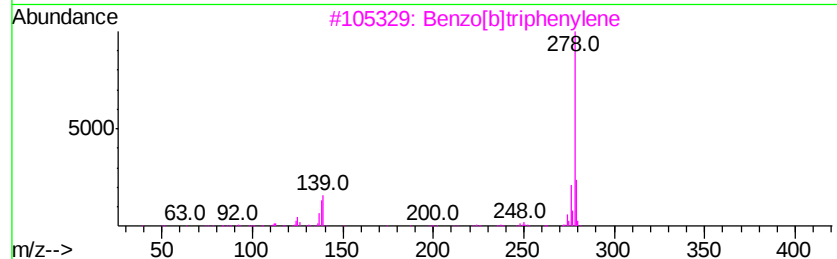
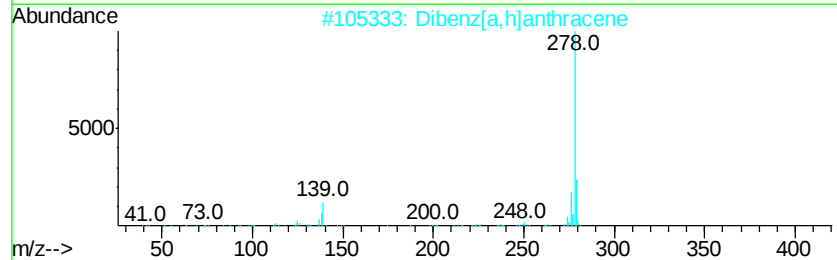
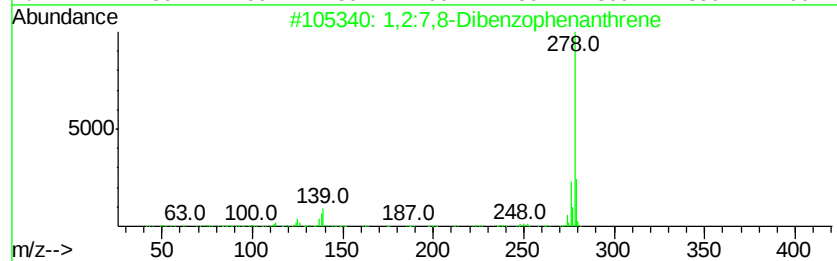
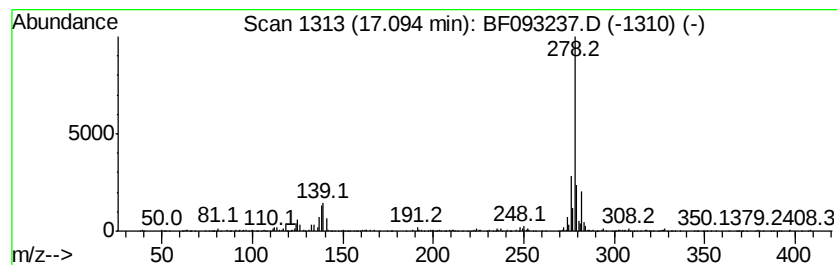
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,2:7,8-Dibenzophenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	27.84 ng	610967	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	99
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4		Pentaphene	278	C22H14	000222-93-5	95
5		Benzo[b]chrysene	278	C22H14	000214-17-5	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
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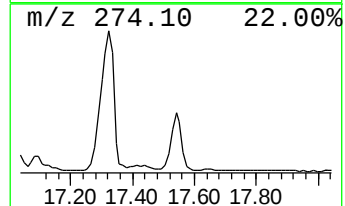
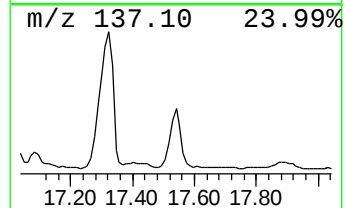
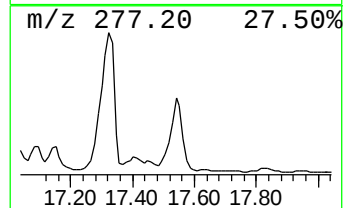
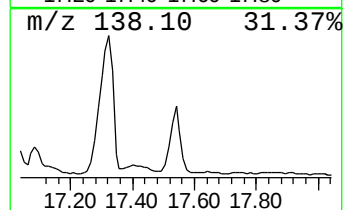
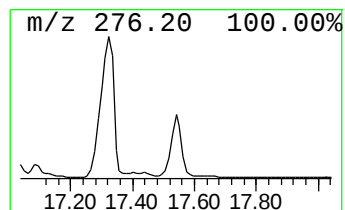
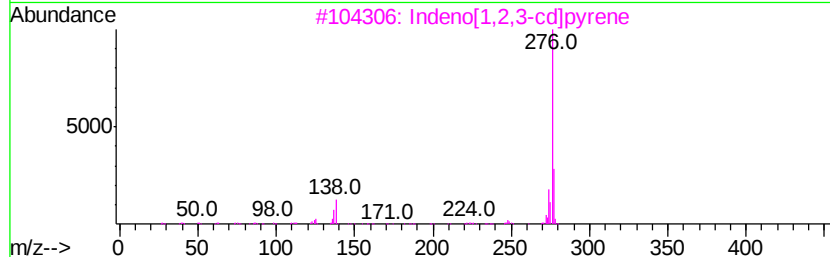
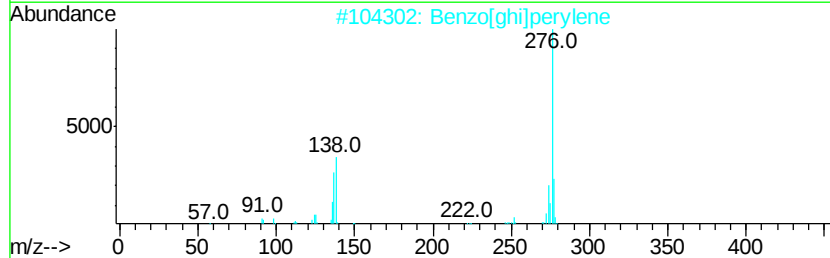
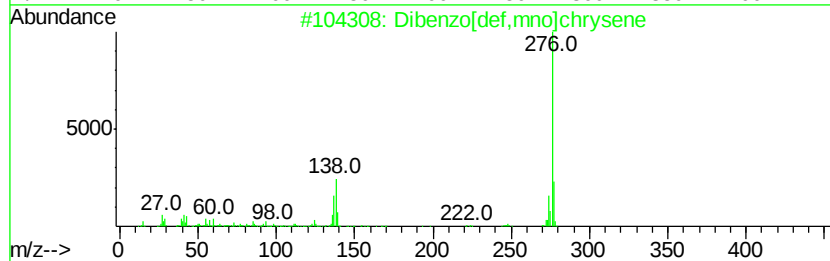
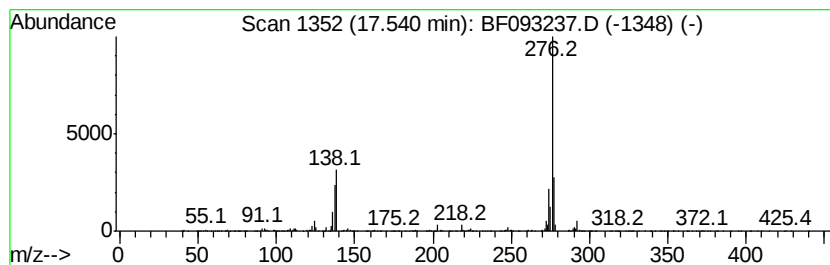
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	94.00 ng	2062470	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5		1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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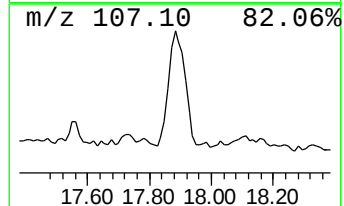
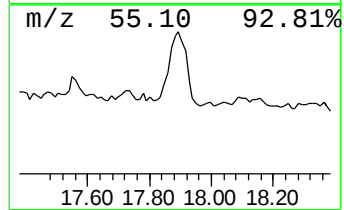
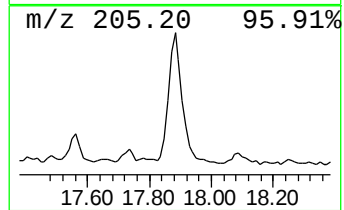
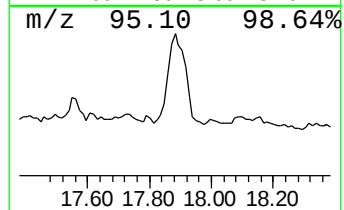
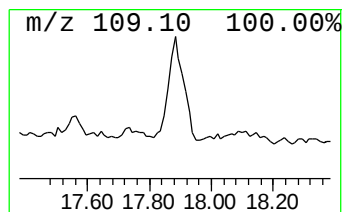
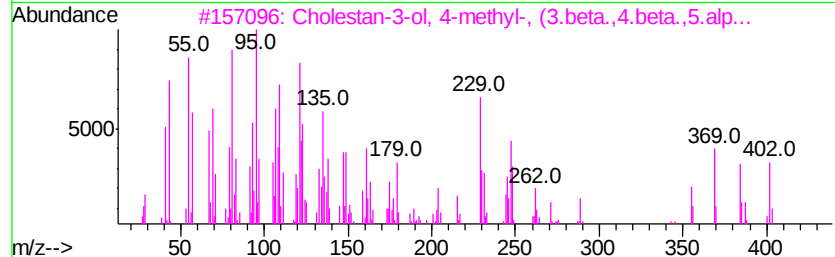
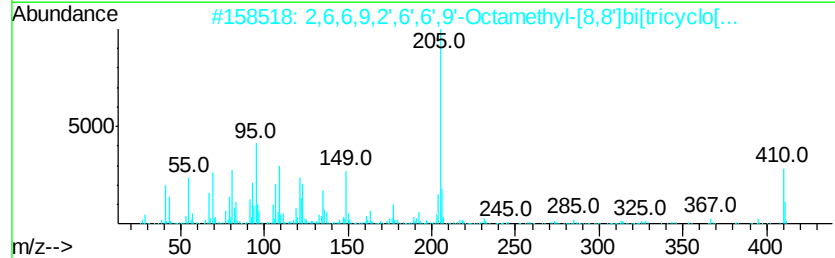
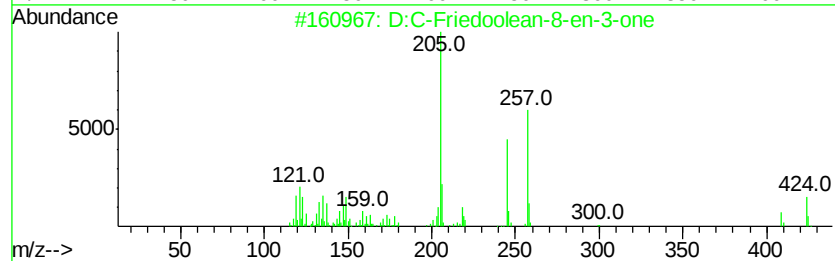
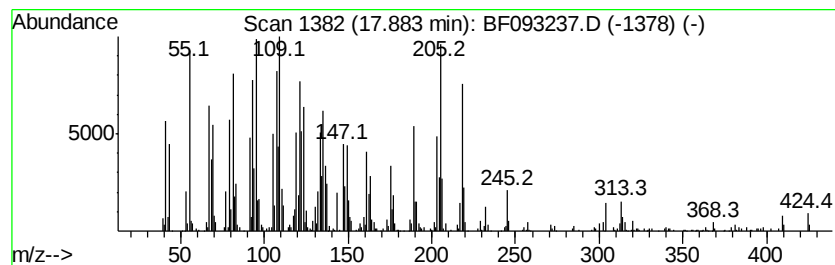
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 D:C-Friedoolean-8-en-3-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	121.20 ng	2659390	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	50
2		2,6,6,9,2',6',6',9'-Octamethyl-[...]	410	C30H50	1000189-48-2	47
3		Cholestan-3-ol, 4-methyl-, (3.beta.,4.beta.,5.alpha.)	402	C28H50O	000984-86-1	38
4		2,2,6-Trimethyl-1-(2-methyl-cyclopropyl)-	218	C15H22O	1000188-72-8	38
5		1-(2-Pyridyl)piperazine	163	C9H13N3	034803-66-2	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
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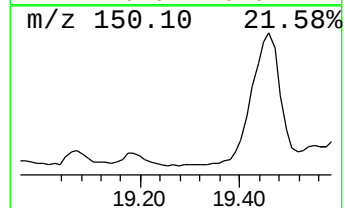
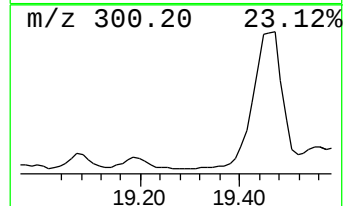
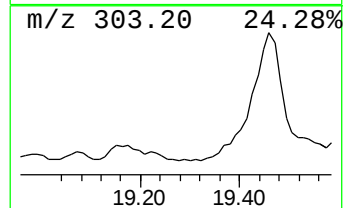
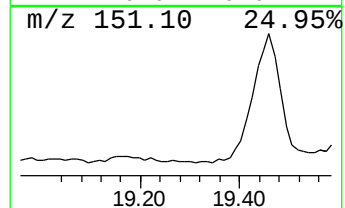
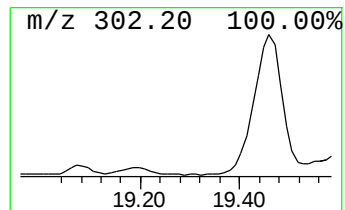
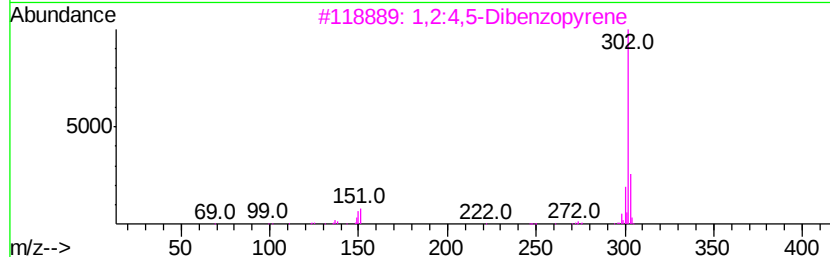
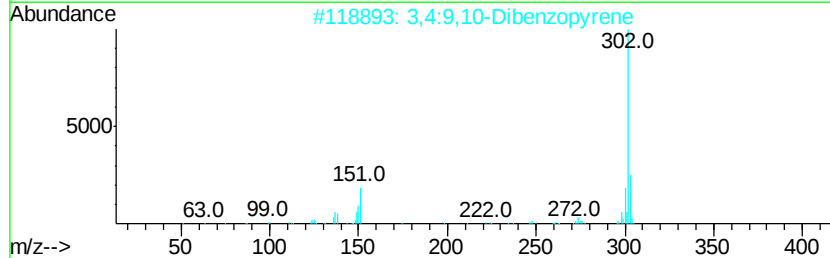
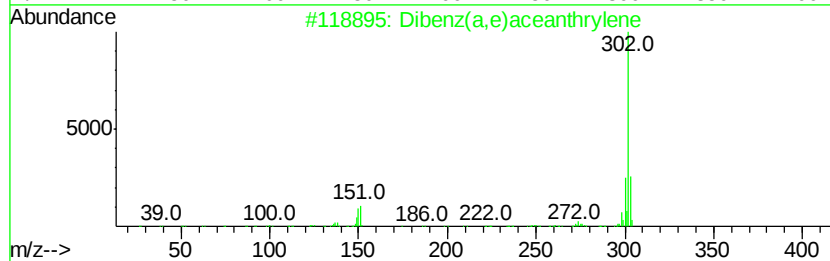
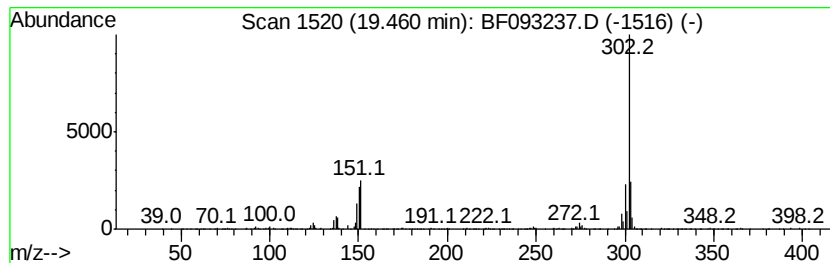
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	62.48 ng	1370950	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
2		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	87



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Instrument :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Propane, 2-methyl...	4.97	15.6	ng	693695	1	6.82	892106	20.0
unknown6.59	6.59	42.4	ng	1892570	1	6.82	892106	20.0
Naphthalene, 2,3-...	9.52	8.0	ng	471497	3	9.86	1179940	20.0
Naphthalene, 2,3,...	10.28	7.8	ng	462482	3	9.86	1179940	20.0
unknown10.49	10.49	20.1	ng	1186930	3	9.86	1179940	20.0
Dibenzofuran, 4-m...	10.57	12.0	ng	708617	3	9.86	1179940	20.0
4H-Cyclopenta[def...	11.97	9.3	ng	5154590	4	11.36	11082000	20.0
Fluoranthene, 2-m...	13.14	10.6	ng	4951780	5	14.02	9385110	20.0
unknown14.89	14.89	29.9	ng	654891	6	15.46	438846	20.0
Benzo[e]pyrene	15.15	60.1	ng	1319560	6	15.46	438846	20.0
13H-Dibenzo[a,h]f...	15.62	25.2	ng	553376	6	15.46	438846	20.0
3,4-Dibromobenzal...	15.99	34.2	ng	751134	6	15.46	438846	20.0
1,2:7,8-Dibenzoph...	17.09	27.8	ng	610967	6	15.46	438846	20.0
Dibenzo[def,mno]c...	17.54	94.0	ng	2062470	6	15.46	438846	20.0
D:C-Friedoolean-8...	17.88	121.2	ng	2659390	6	15.46	438846	20.0
Dibenz(a,e)aceant...	19.46	62.5	ng	1370950	6	15.46	438846	20.0