

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099360.D
 Acq On : 11 Oct 2017 22:33
 Operator : SJ/JU
 Sample : I5766-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RS-FRACTANK

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-BF092317.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	2.134	4	8	15	rVB	165893	213095	4.49%	0.279%
2	2.269	28	31	49	rVB	108086	171485	3.62%	0.225%
3	4.322	377	380	386	rBV	104589	124521	2.63%	0.163%
4	5.075	505	508	515	rBV	181459	213968	4.51%	0.281%
5	5.446	568	571	574	rBV	158939	190074	4.01%	0.249%
6	5.475	574	576	585	rVB	1090211	1146055	24.17%	1.503%
7	5.651	602	606	610	rBV	317083	321715	6.78%	0.422%
8	5.734	611	620	624	rBV2	144216	272429	5.74%	0.357%
9	6.028	668	670	671	rVB	560403	383563	8.09%	0.503%
10	6.269	704	711	712	rBV2	155261	178390	3.76%	0.234%
11	6.375	722	729	732	rBV3	164573	321596	6.78%	0.422%
12	6.410	732	735	736	rBV2	129024	131698	2.78%	0.173%
13	6.463	742	744	746	rVB	319112	224719	4.74%	0.295%
14	6.498	747	750	757	rBV2	627704	720678	15.20%	0.945%
15	6.575	757	763	766	rBV	753697	772217	16.28%	1.013%
16	6.628	766	772	776	rBV	2063279	2629370	55.44%	3.448%
17	6.734	787	790	791	rBV	195420	179147	3.78%	0.235%
18	6.851	807	810	813	rVB3	1802310	2124339	44.79%	2.786%
19	6.922	817	822	825	rBV2	349453	289130	6.10%	0.379%
20	7.010	831	837	842	rBV	3313071	3747154	79.01%	4.913%
21	7.087	844	850	852	rVV	343139	635835	13.41%	0.834%
22	7.163	855	863	865	rVB2	543983	1185185	24.99%	1.554%
23	7.228	865	874	876	rBV2	429492	1005384	21.20%	1.318%
24	7.263	876	880	886	rVB2	540835	650978	13.73%	0.854%
25	7.334	886	892	894	rBV	435700	619859	13.07%	0.813%
26	7.410	899	905	909	rBV2	1850227	3786140	79.83%	4.965%
27	7.445	909	911	913	rVB	389437	292427	6.17%	0.383%
28	7.545	926	928	932	rVB	241091	241827	5.10%	0.317%
29	7.640	937	944	946	rBV4	234365	422435	8.91%	0.554%
30	7.669	946	949	950	rVB	276594	192320	4.06%	0.252%
31	7.710	953	956	959	rVB	353861	433057	9.13%	0.568%
32	7.757	959	964	967	rBV2	763385	927177	19.55%	1.216%
33	7.810	967	973	975	rVB3	705155	1019695	21.50%	1.337%
34	7.845	975	979	982	rVB3	536338	641219	13.52%	0.841%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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35	7.881	982	985	990	rVB	561877	503295	10.61%	0.660%
36	7.957	990	998	1000	rBV3	590727	973926	20.54%	1.277%
37	8.016	1003	1008	1010	rBV2	653854	1079942	22.77%	1.416%
38	8.057	1012	1015	1017	rBV	744112	801974	16.91%	1.052%
39	8.140	1025	1029	1034	rVB3	1607638	2298578	48.47%	3.014%
40	8.187	1034	1037	1041	rVB	1068473	1124999	23.72%	1.475%
41	8.222	1041	1043	1046	rVB2	244418	192365	4.06%	0.252%
42	8.281	1050	1053	1054	rBV	335333	280739	5.92%	0.368%
43	8.304	1054	1057	1060	rVB3	713783	899956	18.98%	1.180%
44	8.345	1060	1064	1065	rBV2	271892	272021	5.74%	0.357%
45	8.375	1065	1069	1070	rVB3	418417	452504	9.54%	0.593%
46	8.392	1070	1072	1076	rBV2	219476	156410	3.30%	0.205%
47	8.428	1076	1078	1081	rVB	555230	467839	9.86%	0.613%
48	8.510	1086	1092	1093	rBV2	1017412	1086932	22.92%	1.425%
49	8.534	1093	1096	1099	rVV2	573194	578308	12.19%	0.758%
50	8.563	1099	1101	1103	rVV2	309897	316140	6.67%	0.415%
51	8.634	1103	1113	1116	rVV	1525772	4742480	100.00%	6.219%
52	8.675	1116	1120	1121	rVV2	953935	1261770	26.61%	1.654%
53	8.692	1121	1123	1126	rVV3	1096584	1080418	22.78%	1.417%
54	8.734	1126	1130	1131	rVV2	869564	833640	17.58%	1.093%
55	8.751	1131	1133	1134	rVB	256396	150270	3.17%	0.197%
56	8.822	1143	1145	1147	rVB3	160856	134794	2.84%	0.177%
57	8.857	1147	1151	1154	rBV3	286242	417792	8.81%	0.548%
58	8.910	1154	1160	1162	rBV5	499106	1033481	21.79%	1.355%
59	8.975	1169	1171	1175	rBV4	200990	240397	5.07%	0.315%
60	9.063	1182	1186	1188	rVV2	509325	640240	13.50%	0.840%
61	9.098	1188	1192	1195	rVV4	503242	863867	18.22%	1.133%
62	9.151	1195	1201	1204	rVV4	1153775	2136878	45.06%	2.802%
63	9.216	1204	1212	1216	rVB2	2954720	4049710	85.39%	5.310%
64	9.257	1216	1219	1222	rVB	496460	451033	9.51%	0.591%
65	9.316	1226	1229	1231	rBV	362707	341518	7.20%	0.448%
66	9.339	1231	1233	1235	rBV2	148416	129483	2.73%	0.170%
67	9.375	1235	1239	1241	rBV	1500165	1602928	33.80%	2.102%
68	9.404	1242	1244	1249	rVV3	467986	398736	8.41%	0.523%
69	9.457	1249	1253	1255	rVB2	392298	437255	9.22%	0.573%
70	9.510	1259	1262	1264	rBV4	258009	256984	5.42%	0.337%
71	9.581	1270	1274	1276	rBV	968744	844685	17.81%	1.108%

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72	9.610	1276	1279	1280	rVV3	191840	207467	4.37%	0.272%
73	9.634	1281	1283	1286	rVB	263255	260677	5.50%	0.342%
74	9.763	1302	1305	1308	rBV2	494128	473784	9.99%	0.621%
75	9.892	1324	1327	1329	rBV	837291	696099	14.68%	0.913%
76	9.928	1329	1333	1335	rVV4	264732	298419	6.29%	0.391%
77	10.034	1348	1351	1352	rBV3	194414	202010	4.26%	0.265%
78	10.151	1364	1371	1374	rVB2	859405	1277484	26.94%	1.675%
79	10.204	1375	1380	1383	rVB3	356185	479865	10.12%	0.629%
80	10.439	1418	1420	1423	rVB	285297	236160	4.98%	0.310%
81	10.686	1459	1462	1465	rVB	999147	949706	20.03%	1.245%
82	10.722	1465	1468	1471	rBV4	165469	220765	4.66%	0.289%
83	10.775	1475	1477	1481	rBV3	188619	180828	3.81%	0.237%
84	10.816	1481	1484	1485	rBV	268554	234853	4.95%	0.308%
85	10.869	1489	1493	1495	rVB	502669	572875	12.08%	0.751%
86	10.939	1501	1505	1509	rBV2	394632	642862	13.56%	0.843%
87	10.980	1509	1512	1518	rVB	848866	910002	19.19%	1.193%
88	11.198	1543	1549	1551	rVB2	1156175	1631991	34.41%	2.140%
89	11.280	1560	1563	1567	rVB	680669	612667	12.92%	0.803%
90	11.380	1577	1580	1582	rBV	568491	458166	9.66%	0.601%
91	11.404	1582	1584	1587	rVB	246071	199797	4.21%	0.262%
92	11.622	1618	1621	1623	rBV2	465106	452274	9.54%	0.593%
93	11.710	1634	1636	1641	rBV2	292564	290805	6.13%	0.381%
94	11.922	1669	1672	1675	rBV	593120	542717	11.44%	0.712%
95	12.004	1683	1686	1690	rBV	694219	745879	15.73%	0.978%
96	12.216	1719	1722	1728	rVB	656469	616882	13.01%	0.809%
97	12.704	1803	1805	1811	rVB4	433829	443482	9.35%	0.582%
98	12.969	1846	1850	1855	rBV	1494790	1484319	31.30%	1.946%
99	14.027	2028	2030	2035	rVB	495400	419711	8.85%	0.550%
100	15.504	2277	2281	2288	rVB	440299	577980	12.19%	0.758%

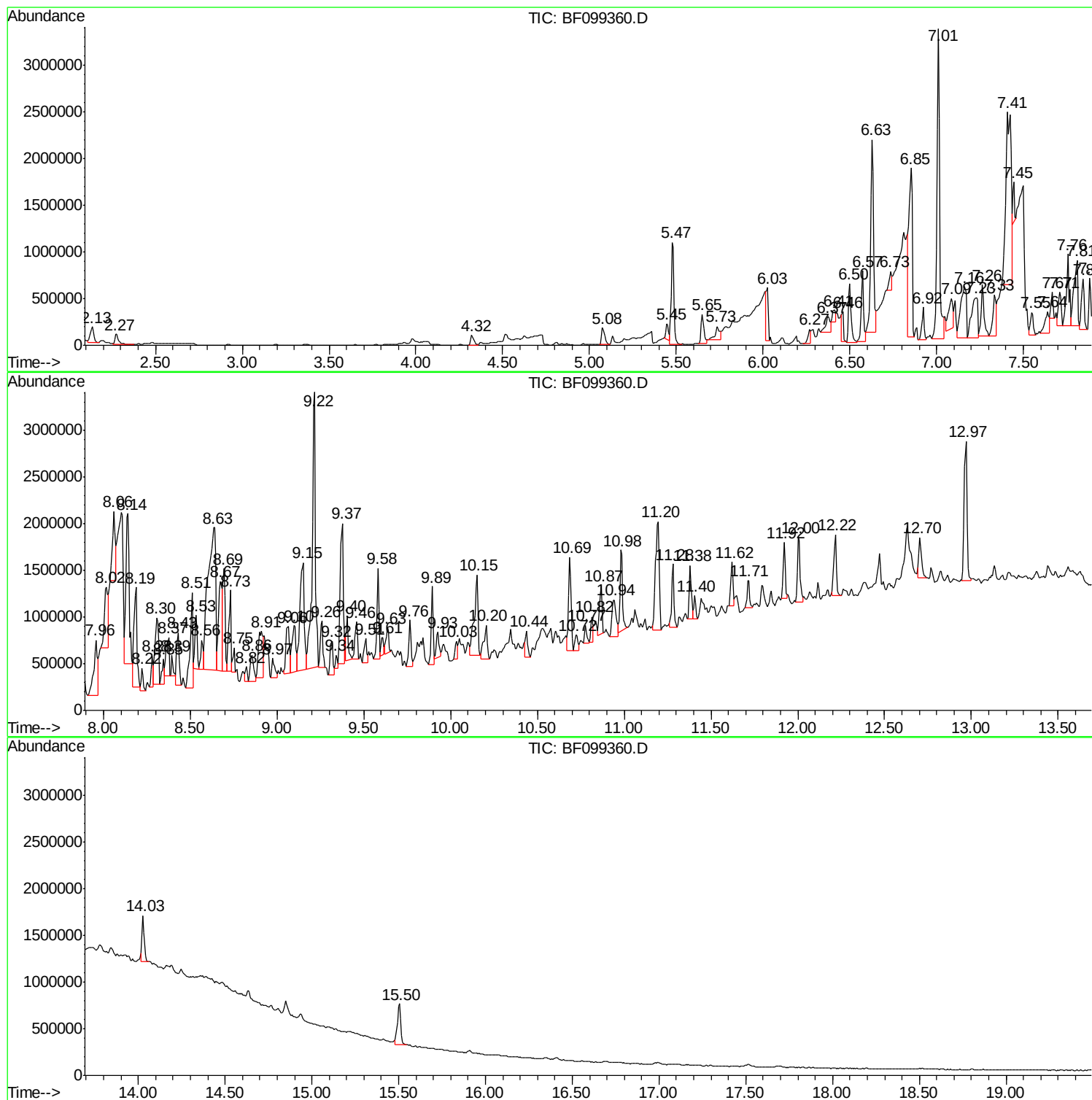
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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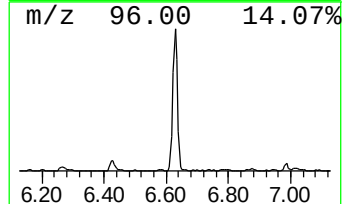
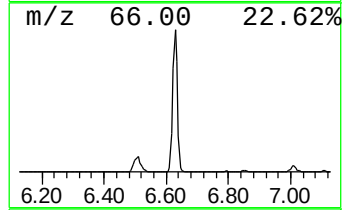
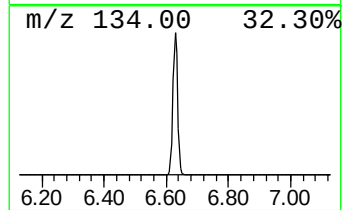
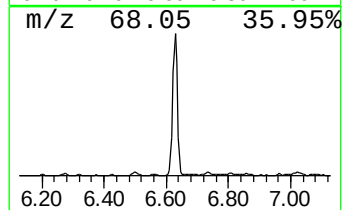
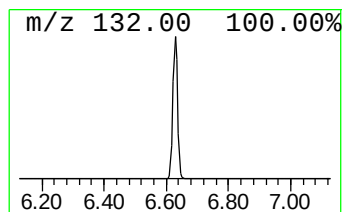
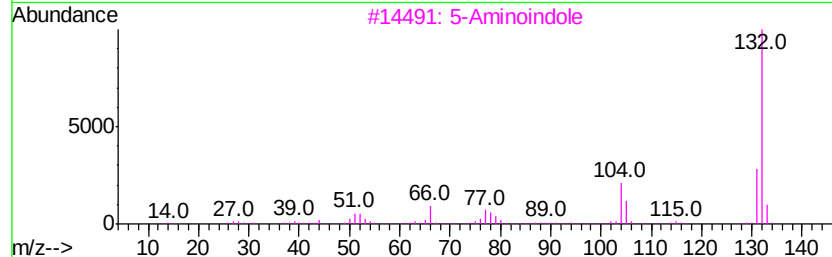
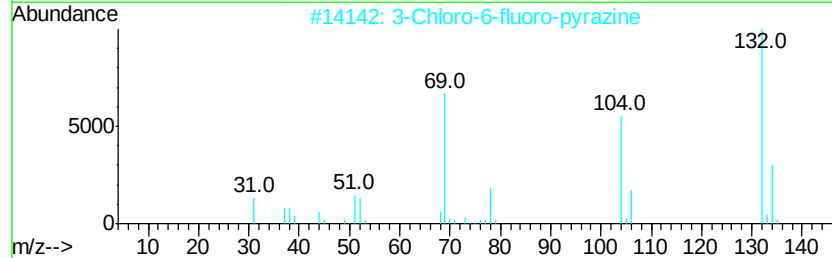
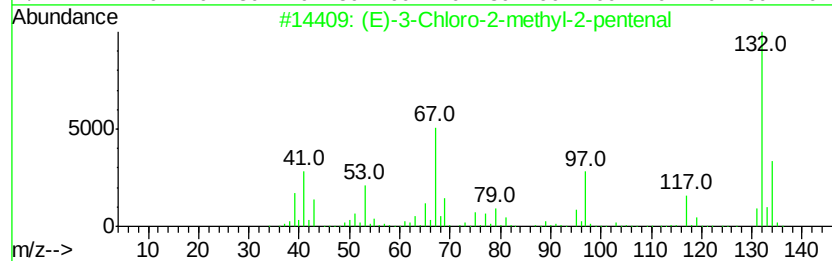
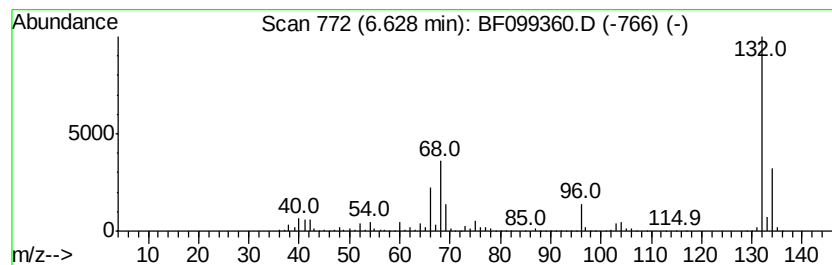
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.63 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	24.75 ng	2629370	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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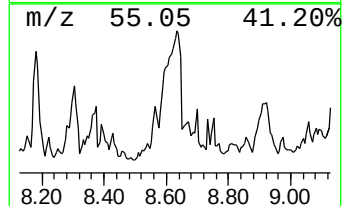
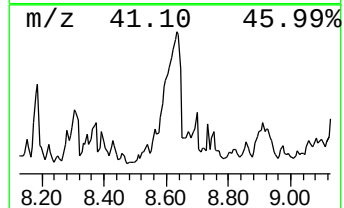
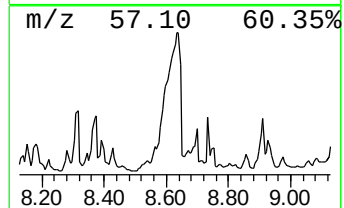
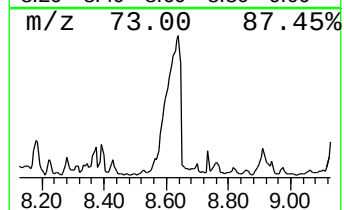
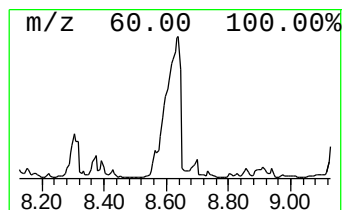
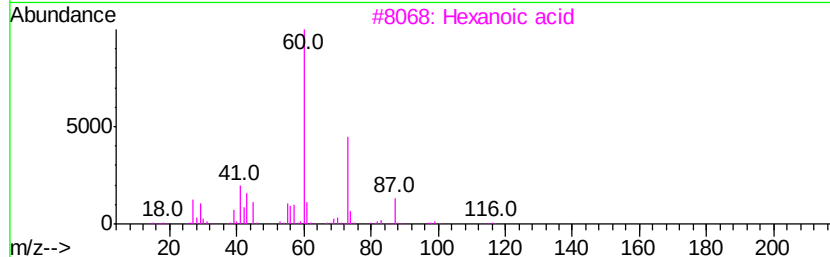
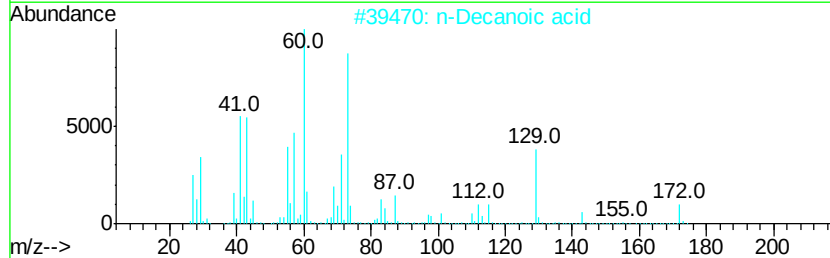
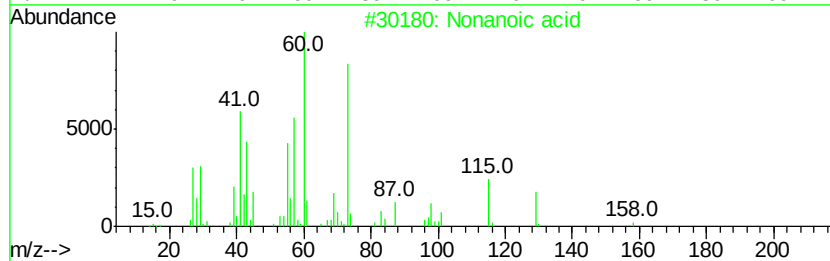
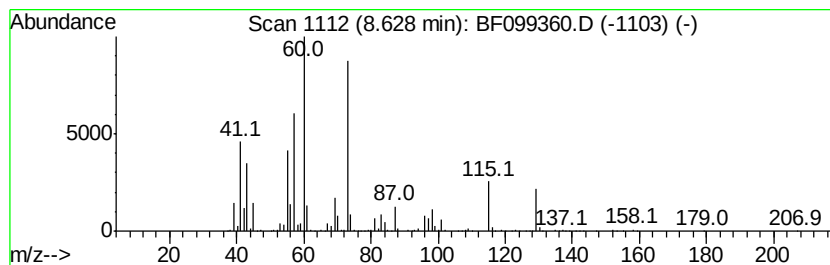
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Nonanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	41.26 ng	4742480	Napthalene-d8	8.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonanoic acid	158 C9H18O2	000112-05-0	86
2	n-Decanoic acid	172 C10H20O2	000334-48-5	72
3	Hexanoic acid	116 C6H12O2	000142-62-1	52
4	Octanoic acid, silver(1+) salt	250 C8H15AgO2	024927-67-1	50
5	Butanoic acid, 3-methyl-	102 C5H10O2	000503-74-2	43



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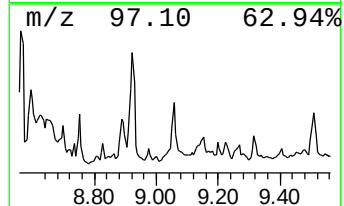
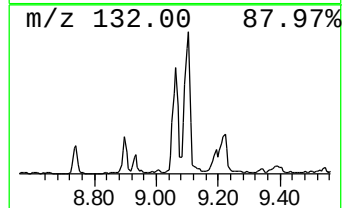
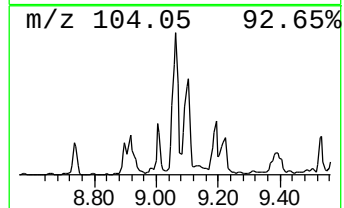
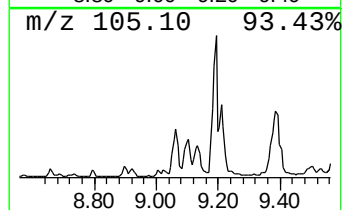
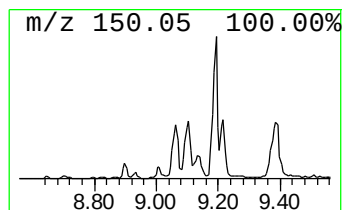
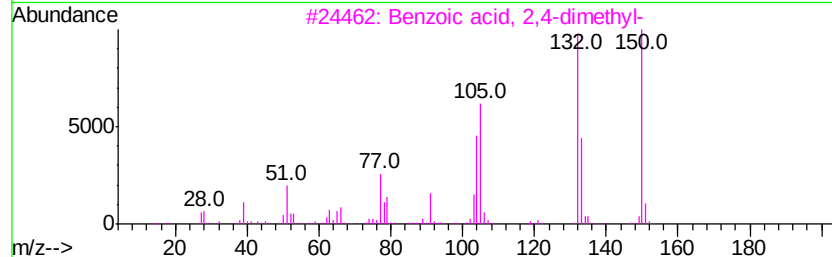
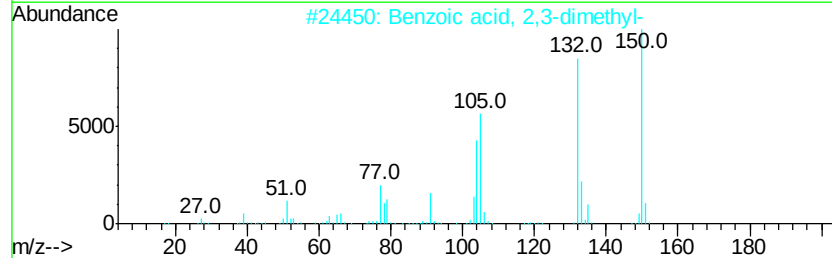
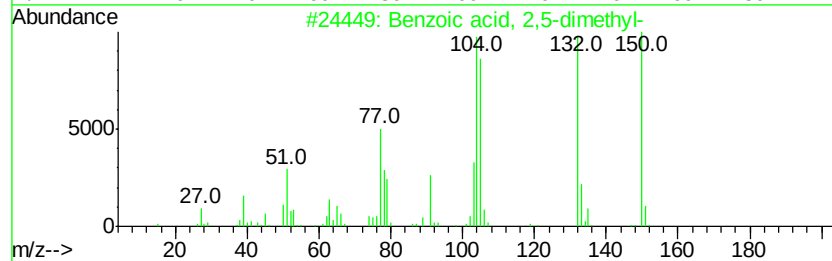
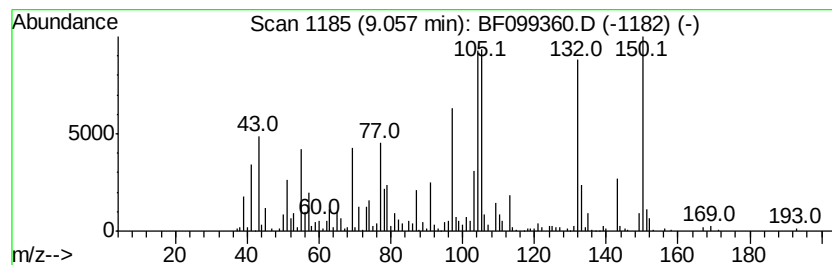
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Peak Number 3 Benzoic acid, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	18.40 ng	640240	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	98
2		Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	90
3		Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	64
4		Formic acid, 1-phenylethyl ester	150	C9H10O2	1000368-94-1	60
5		Benzoic acid, 2,6-dimethyl-	150	C9H10O2	000632-46-2	58



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Operator : SJ/JU
Sample : I5766-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

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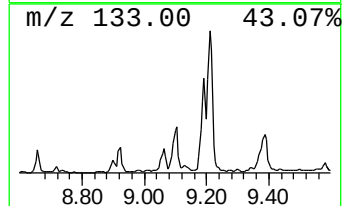
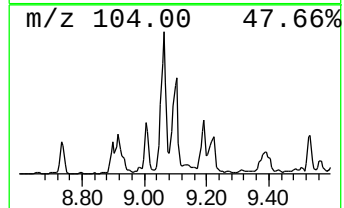
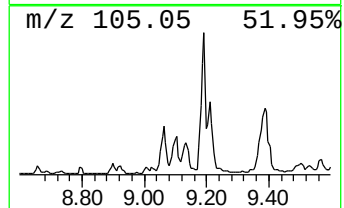
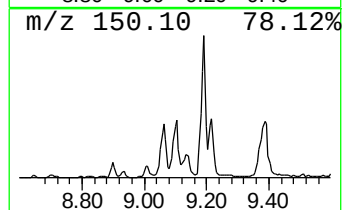
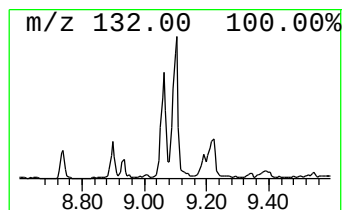
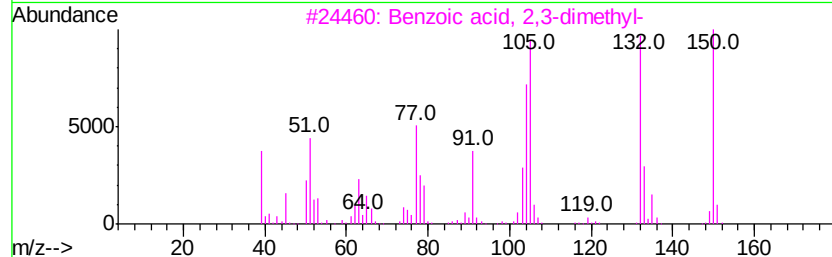
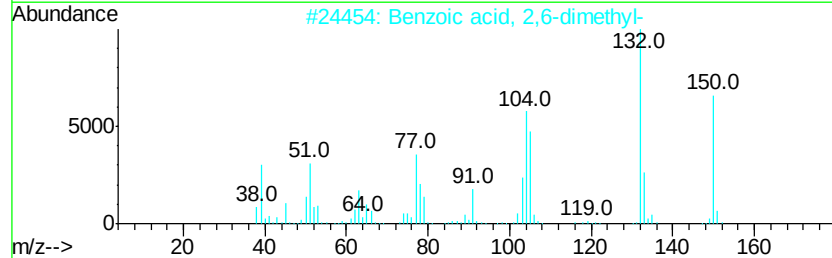
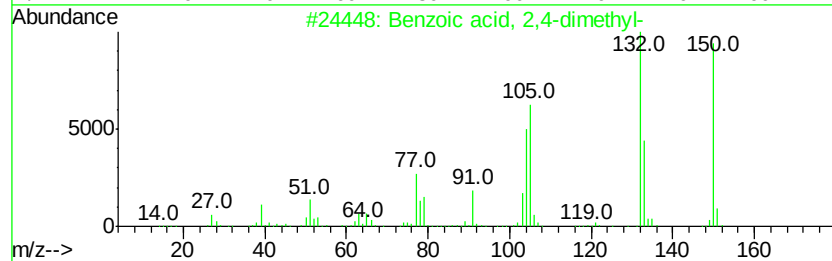
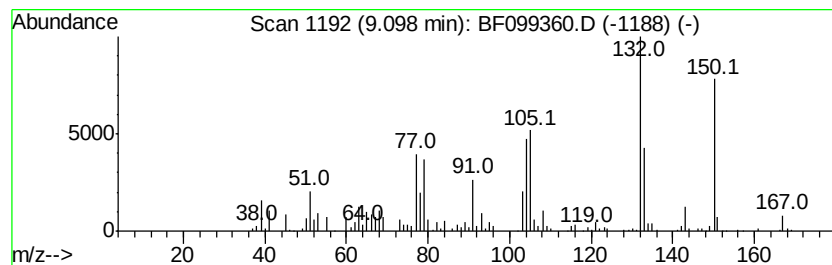
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzoic acid, 2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	24.82 ng	863867	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	95
2		Benzoic acid, 2,6-dimethyl-	150	C9H10O2	000632-46-2	90
3		Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	60
4		Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	58
5		o-Tolylacetic acid	150	C9H10O2	000644-36-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101117\
Data File : BF099360.D
Acq On : 11 Oct 2017 22:33
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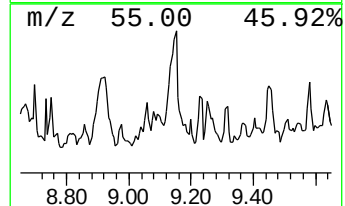
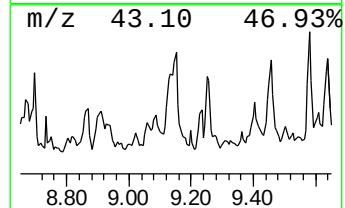
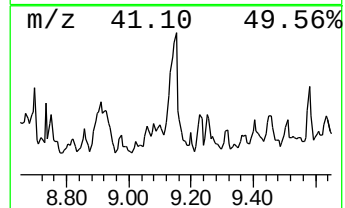
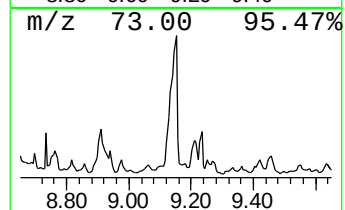
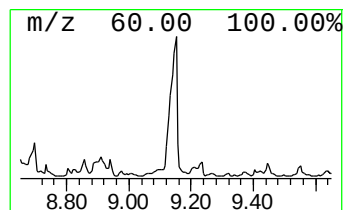
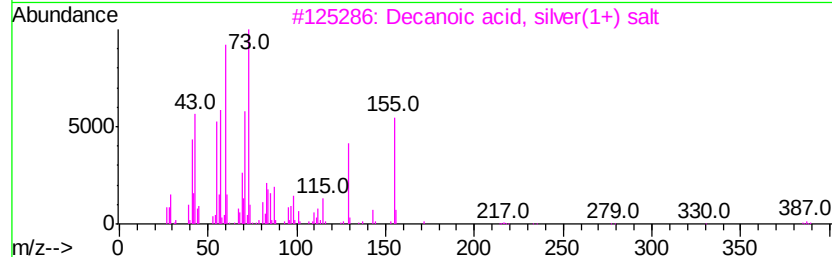
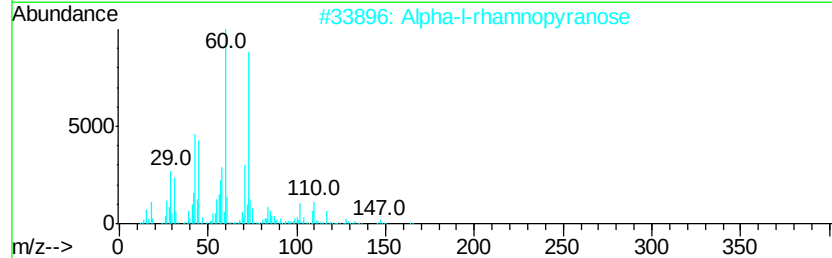
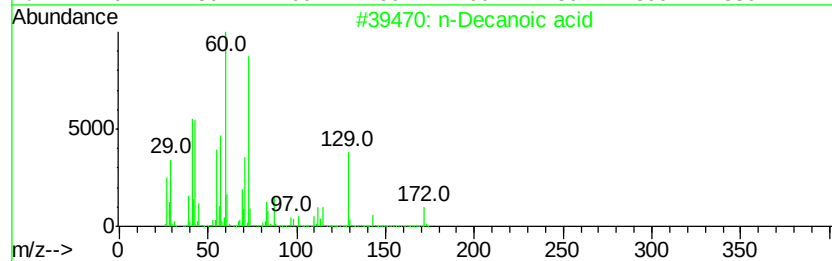
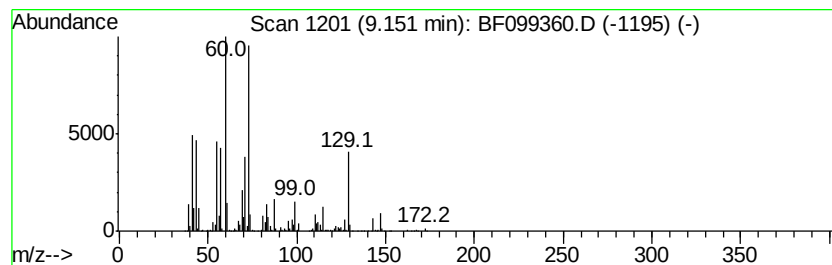
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Decanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	61.40 ng	2136880	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Decanoic acid	172	C10H20O2	000334-48-5	86
2		Alpha-l-rhamnopyranose	164	C6H12O5	035810-56-1	50
3		Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	42
4		Nonanoic acid	158	C9H18O2	000112-05-0	38
5		Heptanoic acid	130	C7H14O2	000111-14-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
Data File : BF099360.D
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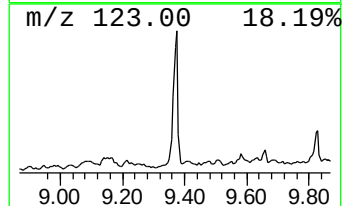
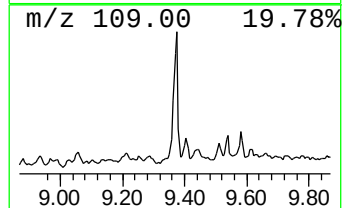
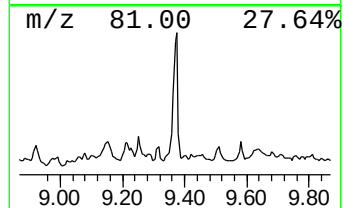
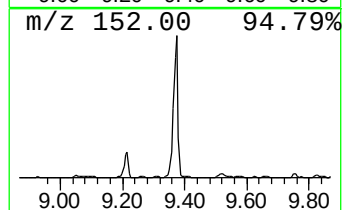
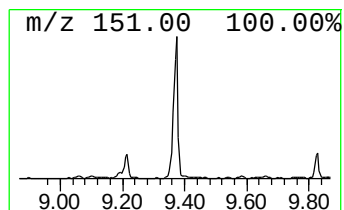
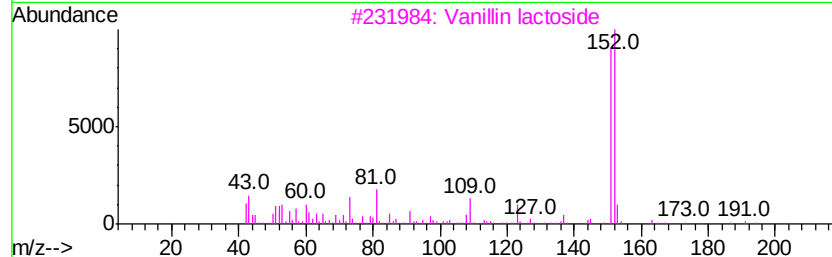
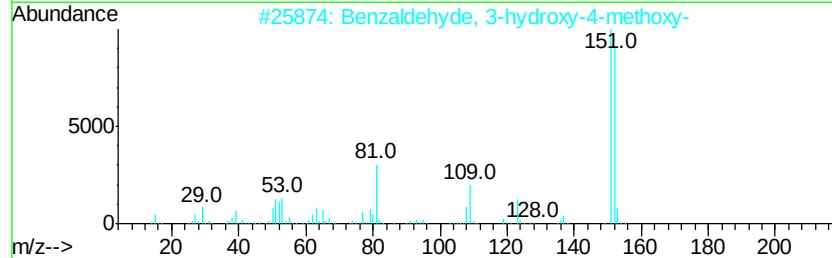
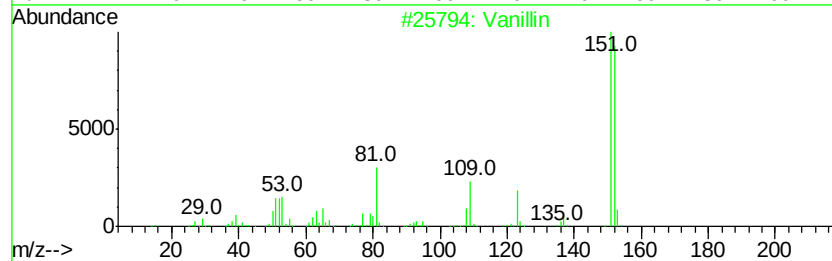
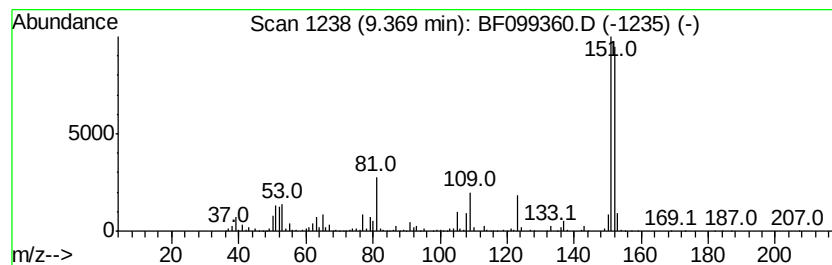
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Vanillin Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	46.05 ng	1602930	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Vanillin	152	C8H8O3	000121-33-5	97
2		Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	96
3		Vanillin lactoside	476	C20H28O13	1000129-94-7	64
4		Benzaldehyde, 2-hydroxy-4-methoxy-	152	C8H8O3	000673-22-3	64
5		4-Hydroxy-2-methoxybenaldehyde	152	C8H8O3	018278-34-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
Data File : BF099360.D
Acq On : 11 Oct 2017 22:33
Operator : SJ/JU
Sample : I5766-01
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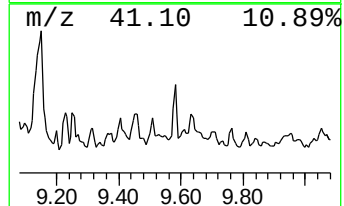
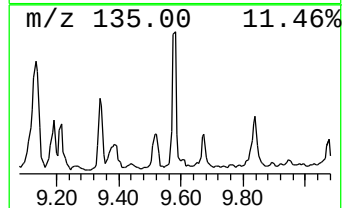
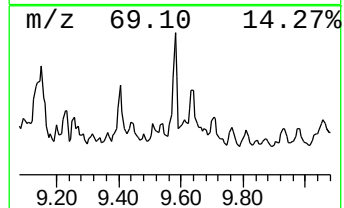
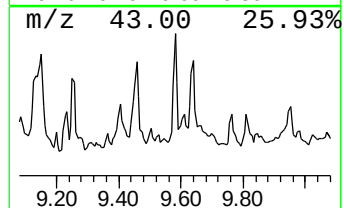
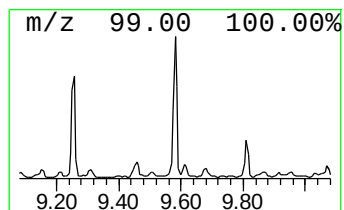
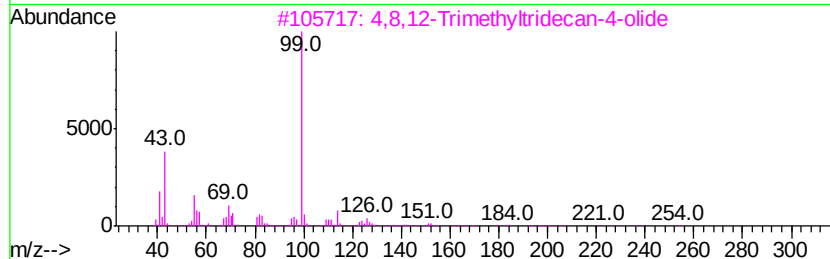
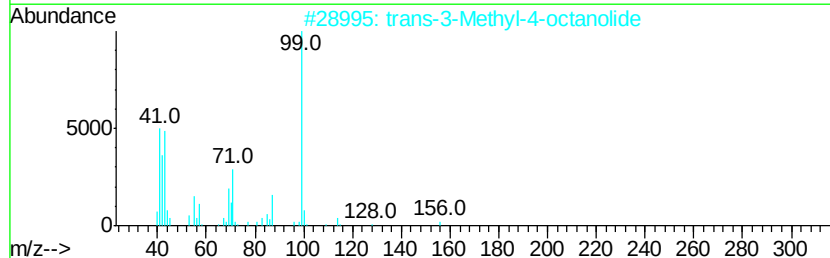
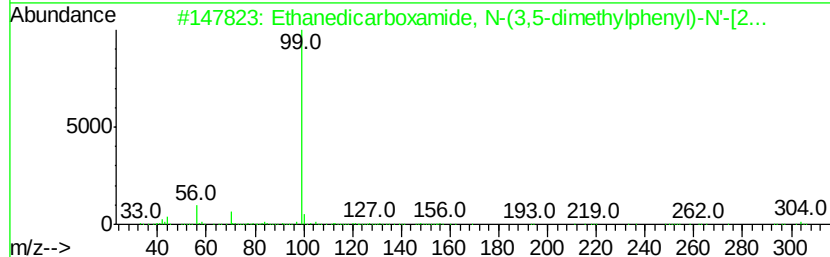
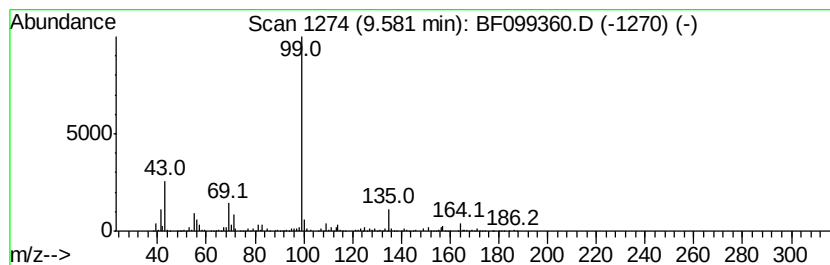
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Ethanedicarboxamide, N-(3,5... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.58	24.27 ng	844685	Acenaphthene-d10	9.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedicarboxamide, N-(3,5-dime...	304	C16H24N4O2	346596-53-0	53	
2	trans-3-Methyl-4-octanolide	156	C9H16O2	039638-67-0	50	
3	4,8,12-Trimethyltridecan-4-olide	254	C16H30O2	220904-24-5	50	
4	Succinimide	99	C4H5NO2	000123-56-8	50	
5	n-Heptyl methylphosphonofluoridate	196	C8H18FO2P	162085-82-7	50	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
Data File : BF099360.D
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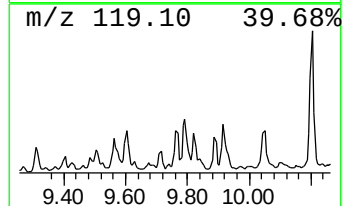
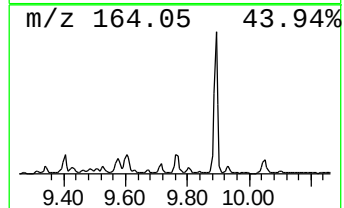
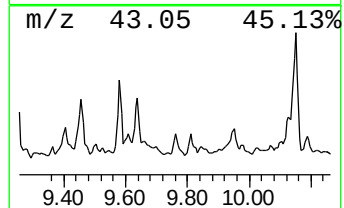
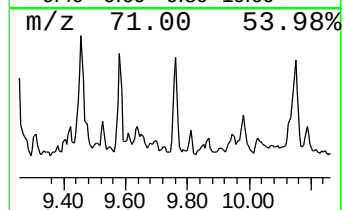
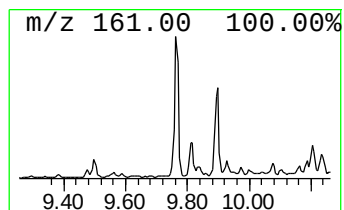
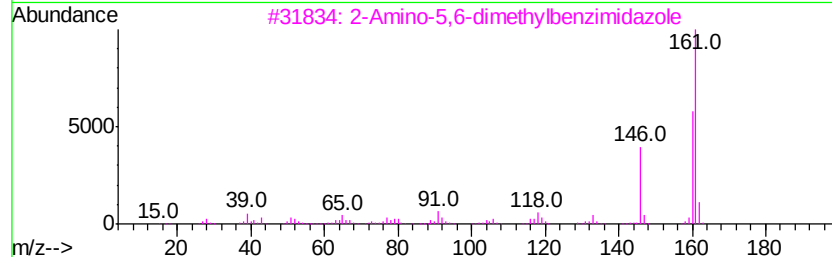
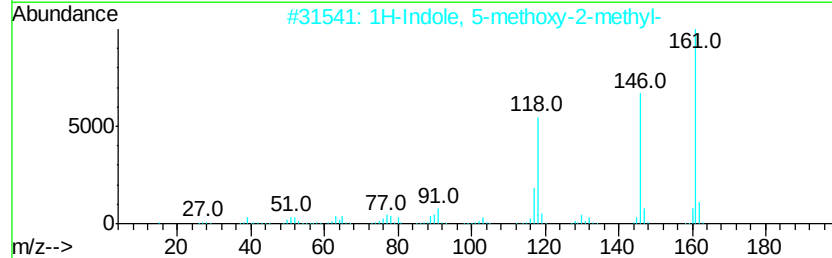
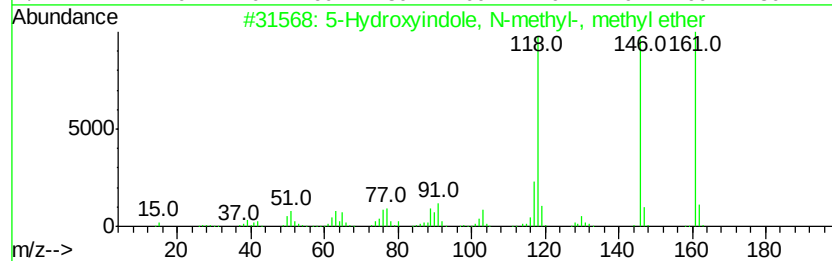
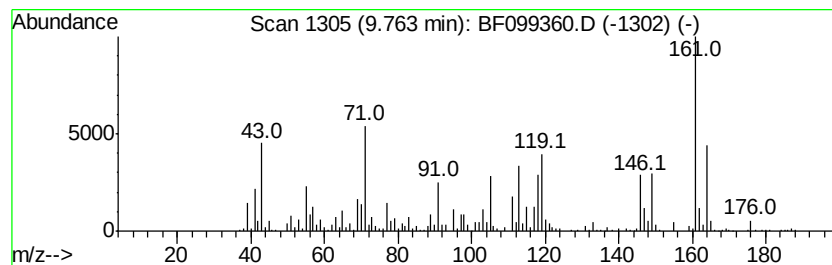
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown9.76 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	13.61 ng	473784	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Hydroxyindole, N-methyl-, meth...	161	C10H11NO	1000333-38-4	46
2		1H-Indole, 5-methoxy-2-methyl-	161	C10H11NO	001076-74-0	38
3		2-Amino-5,6-dimethylbenzimidazole	161	C9H11N3	029096-75-1	27
4		4-Butylbenzoic acid, 2-methylphe...	268	C18H20O2	1000293-58-3	22
5		4-Methoxy-1-methylindole	161	C10H11NO	007556-35-6	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
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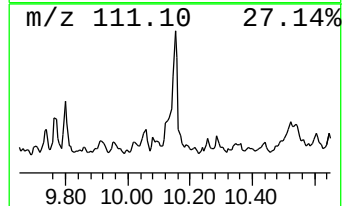
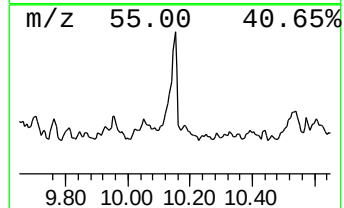
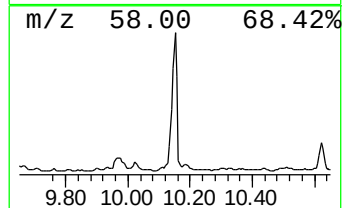
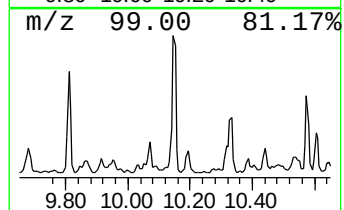
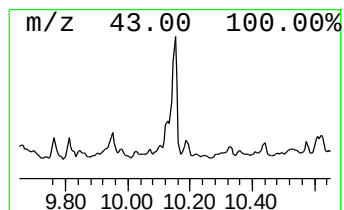
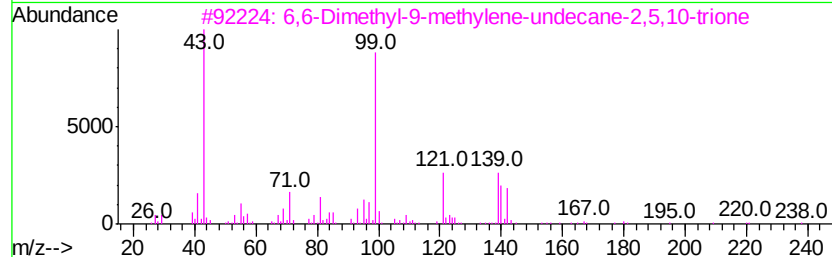
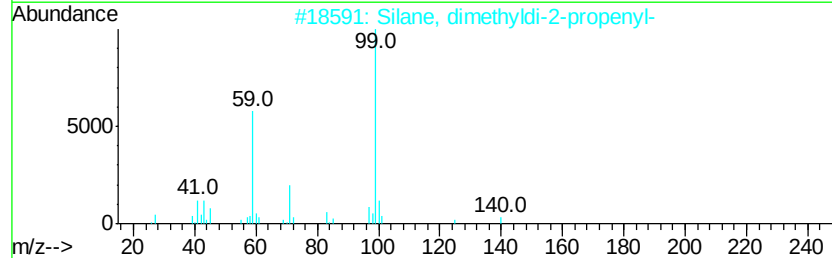
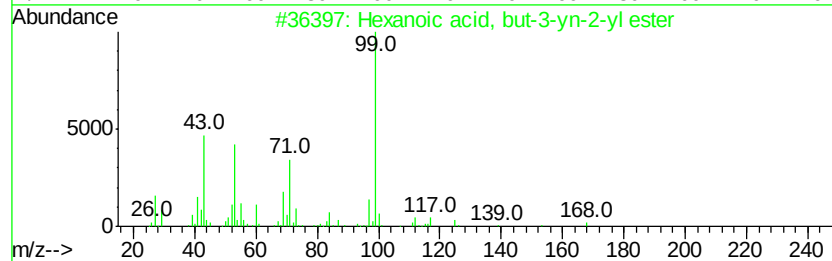
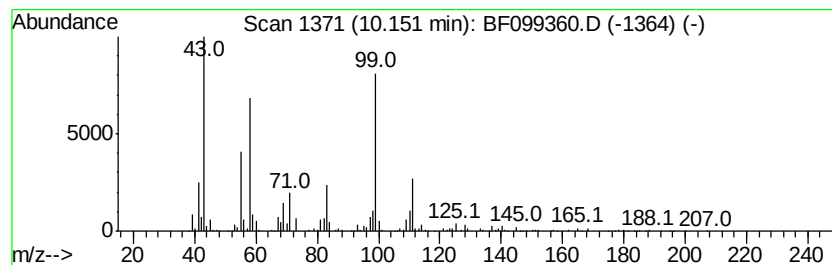
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown10.15 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	36.70 ng	1277480	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid, but-3-yn-2-yl ester	168	C10H16O2	1000299-35-1	45
2		Silane, dimethyldi-2-propenyl-	140	C8H16Si	001113-12-8	43
3		6,6-Dimethyl-9-methylene-undecan...	238	C14H22O3	070412-59-8	35
4		Hexanoic acid, 4-tridecyl ester	298	C19H38O2	1000279-29-3	32
5		Hexanoic acid, 4-hexadecyl ester	340	C22H44O2	1000282-83-8	32



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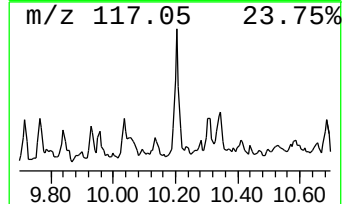
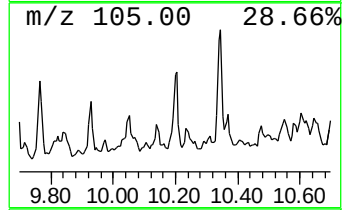
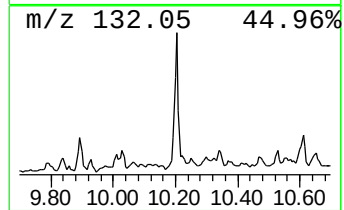
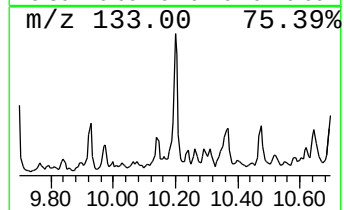
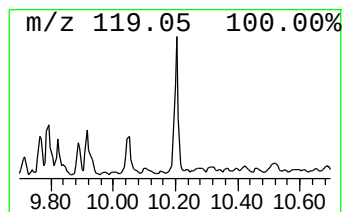
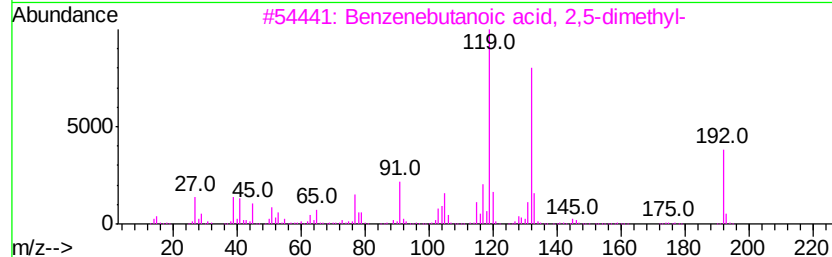
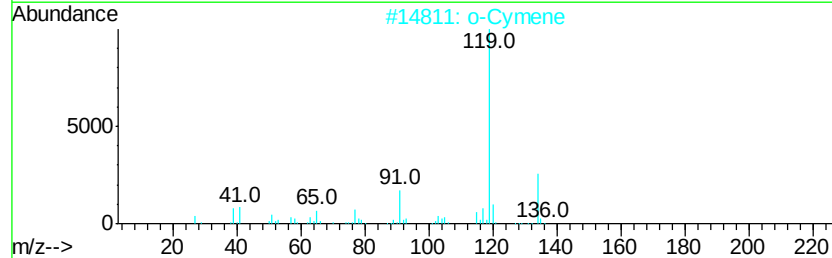
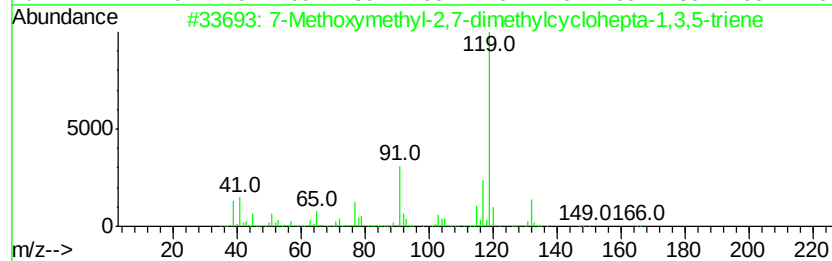
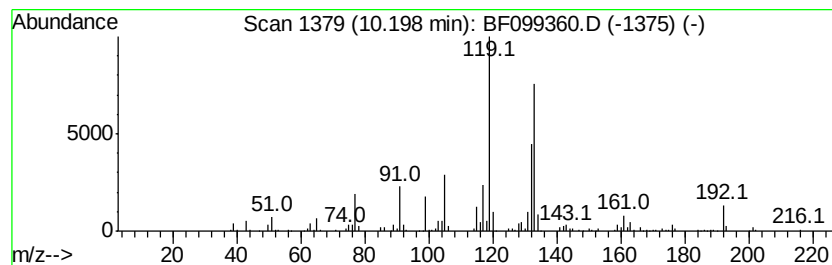
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 7-Methoxymethyl-2,7-dimethy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	13.79 ng	479865	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Methoxymethyl-2,7-dimethylcyclo...	164	C11H16O	073992-48-0	50
2		o-Cymene	134	C10H14	000527-84-4	42
3		Benzenebutanoic acid, 2,5-dimethyl-	192	C12H16O2	001453-06-1	42
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	38
5		p-Cymene	134	C10H14	000099-87-6	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
Data File : BF099360.D
Acq On : 11 Oct 2017 22:33
Operator : SJ/JU
Sample : I5766-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RS-FRACTANK

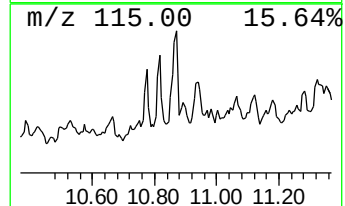
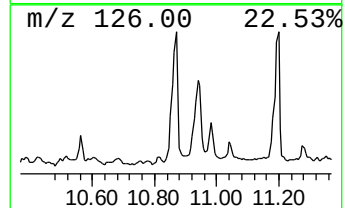
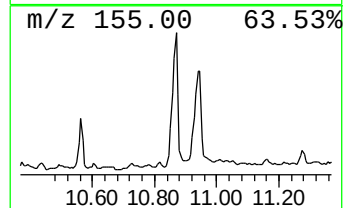
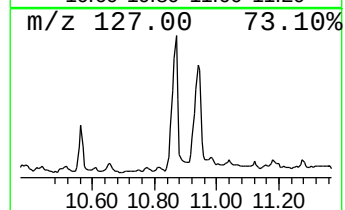
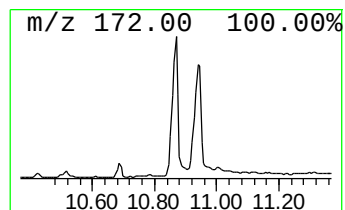
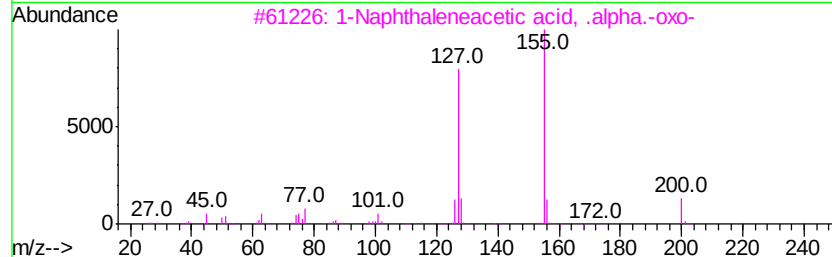
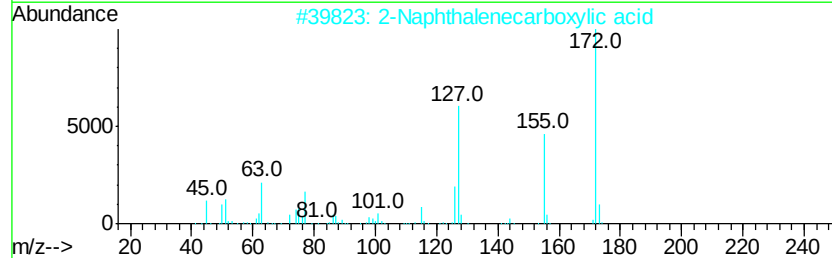
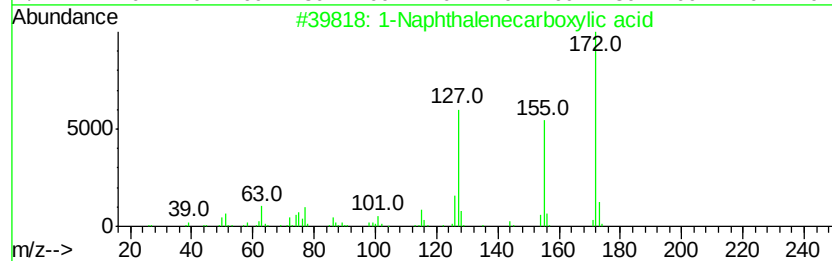
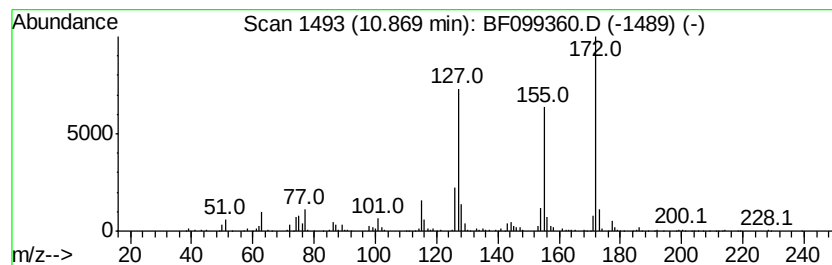
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1-Naphthalenecarboxylic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	25.01 ng	572875	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	97
2		2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	94
3		1-Naphthaleneacetic acid, .alpha...	200	C12H8O3	026153-26-4	89
4		2-Naphthalenecarboxylic acid, me...	186	C12H10O2	002459-25-8	46
5		.beta.-Naphthamide	171	C11H9NO	002243-82-5	46



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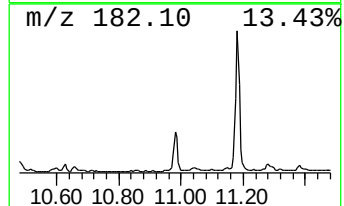
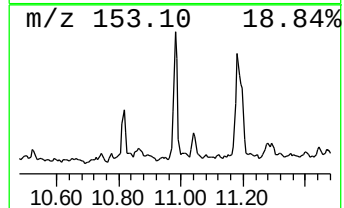
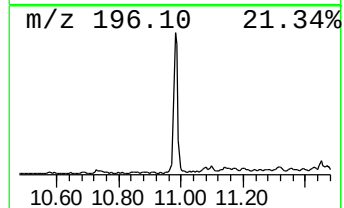
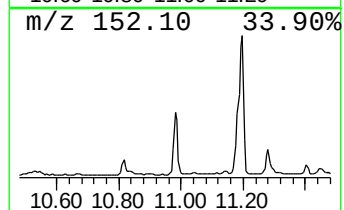
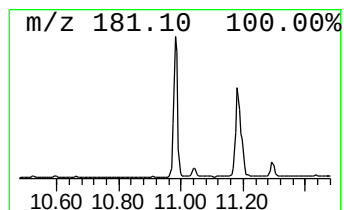
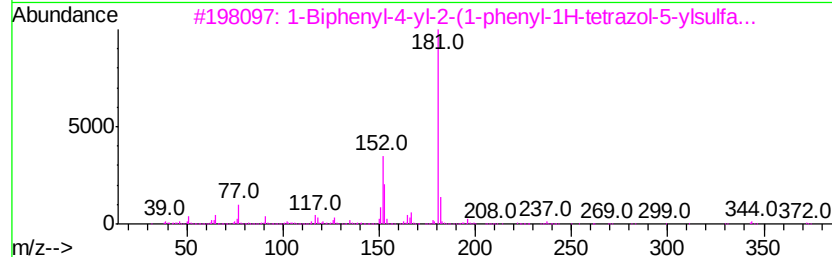
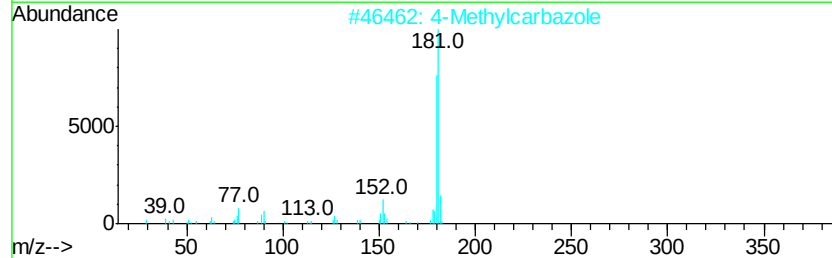
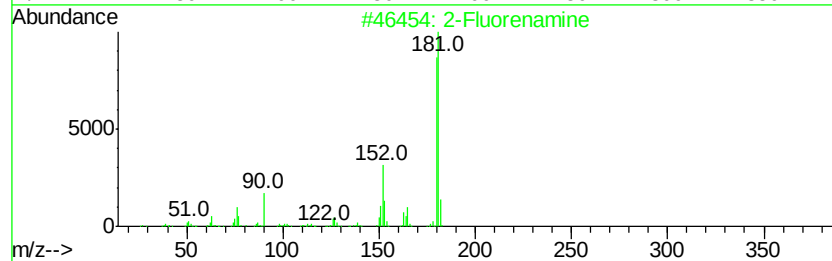
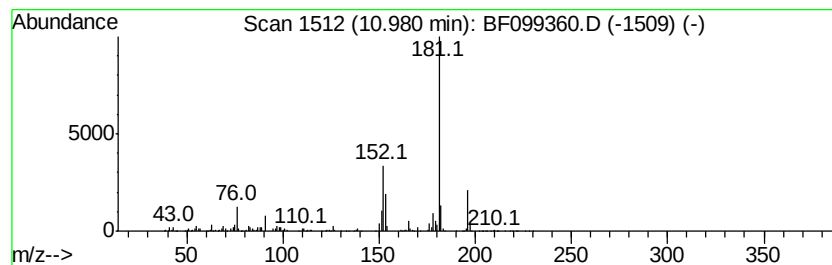
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 2-Fluorenamine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.98	39.72 ng	910002	Phenanthrene-d10		11.38
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluorenamine	181	C13H11N	000153-78-6	74
2	4-Methylcarbazole	181	C13H11N	003770-48-7	72
3	1-Biphenyl-4-yl-2-(1-phenyl-1H-t...	372	C21H16N4OS	1000300-31-5	59
4	Fluorene, 9-hydroxy-9-(trichloro...	298	C14H9Cl3O	1000152-14-8	59
5	Thiophene, 2,5-bis(1,1-dimethyle...	196	C12H20S	001689-77-6	58



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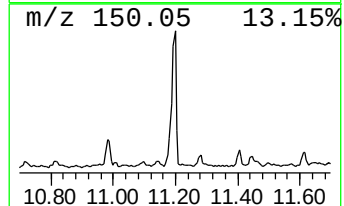
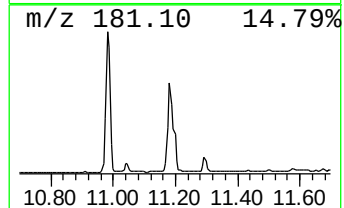
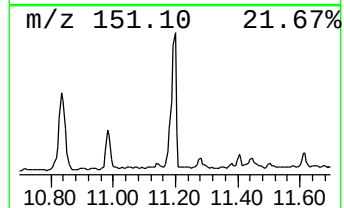
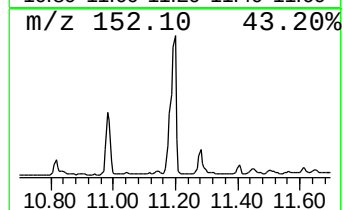
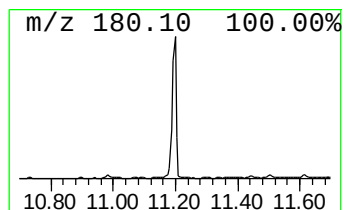
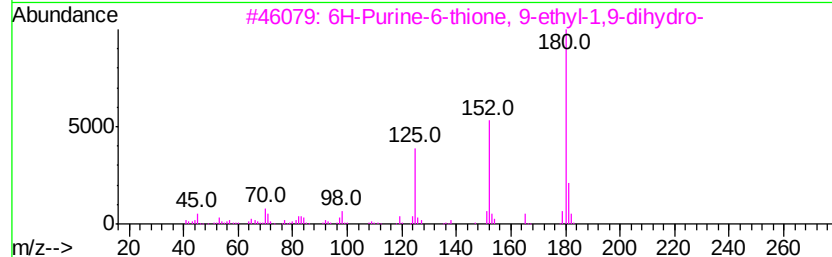
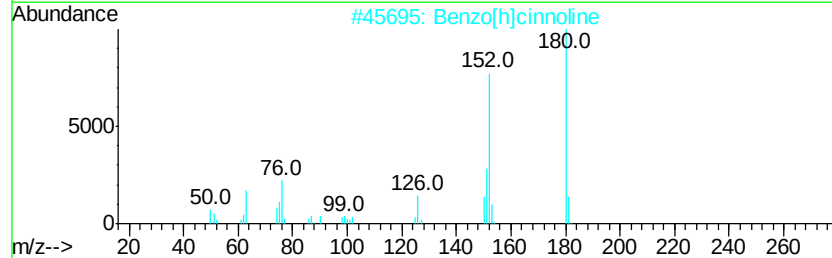
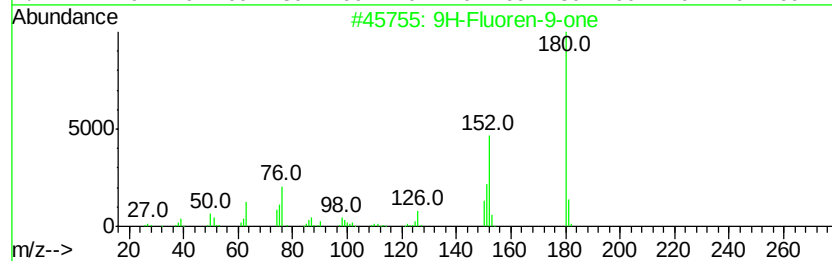
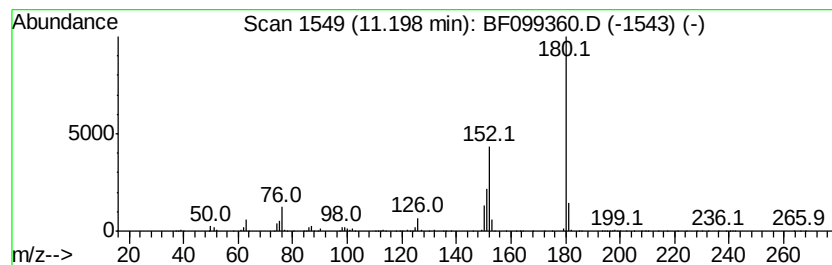
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 9H-Fluoren-9-one Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	71.24 ng	1631990	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3		6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	64
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
5		2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50



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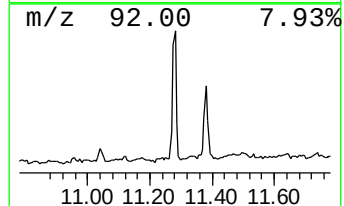
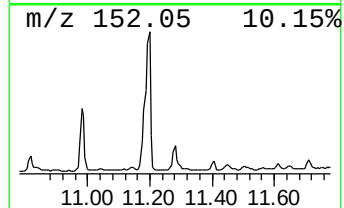
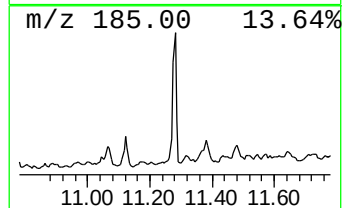
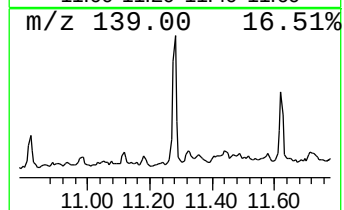
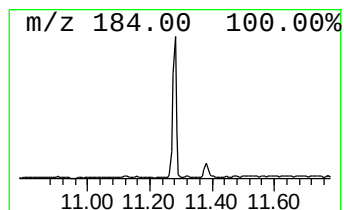
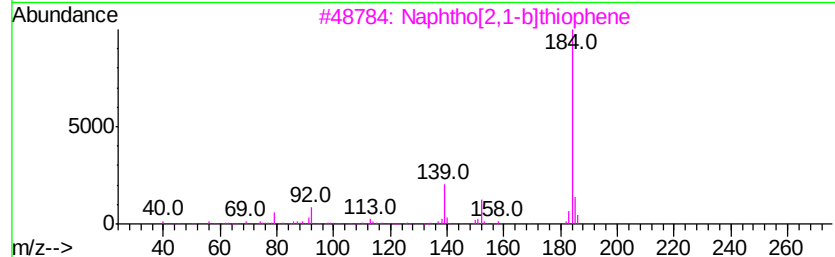
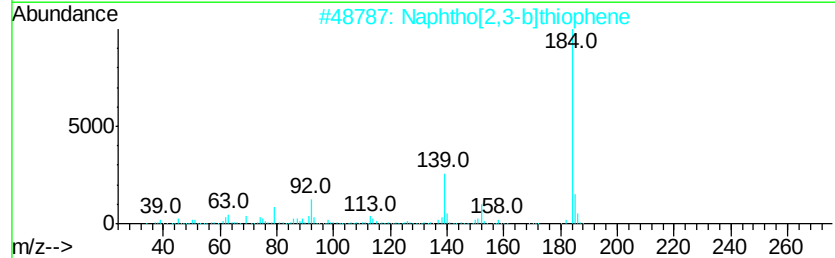
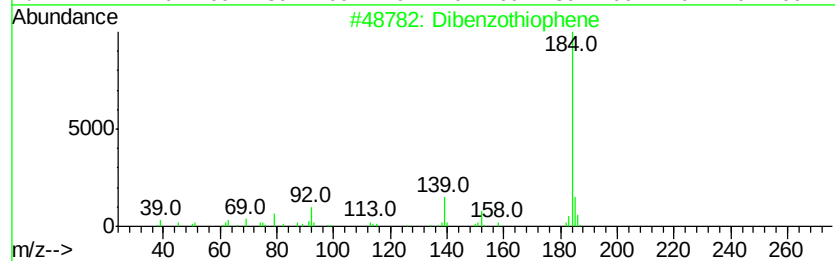
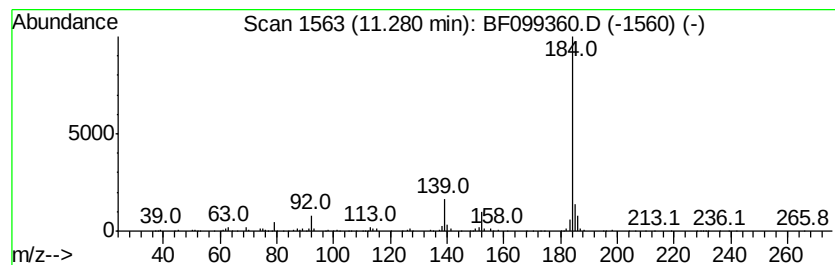
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	26.74 ng	612667	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91



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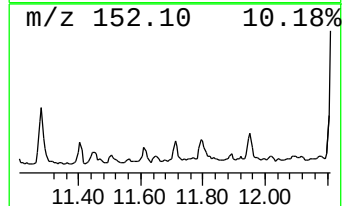
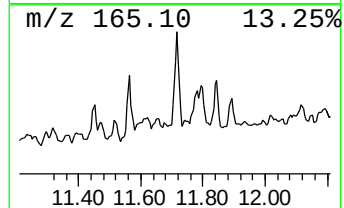
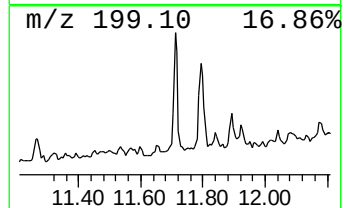
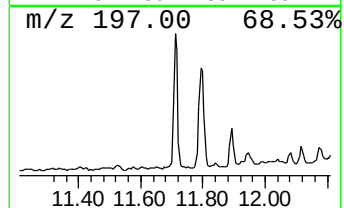
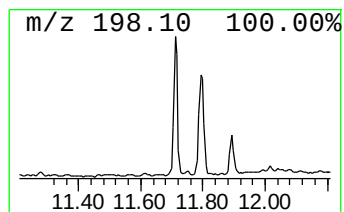
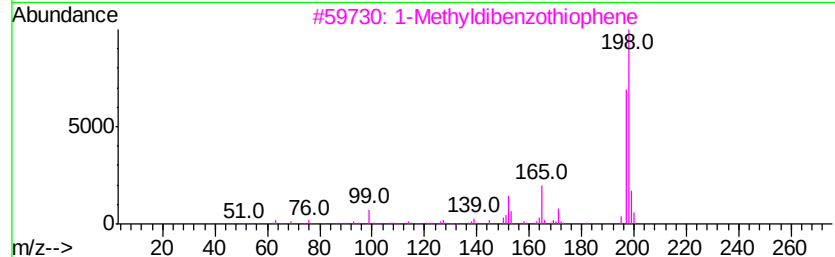
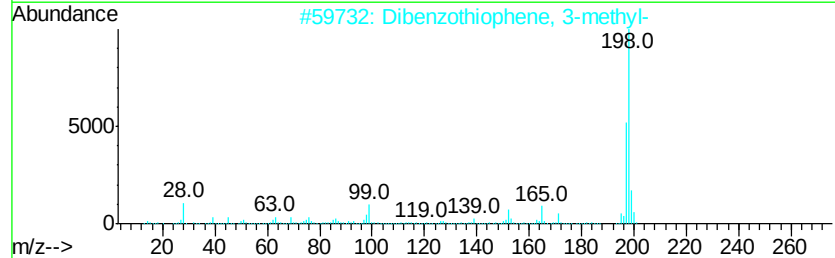
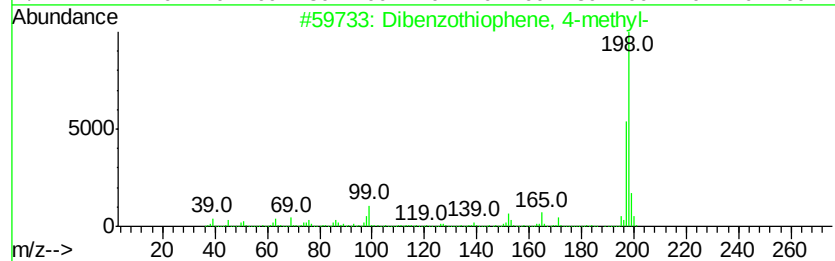
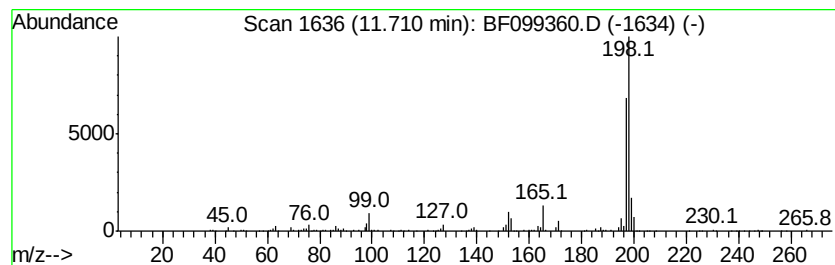
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	12.69 ng	290805	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
4		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
5		4,6,8-Trimethyl-1-azulenecarbal...	198	C14H14O	000832-62-2	80



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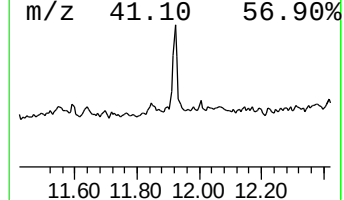
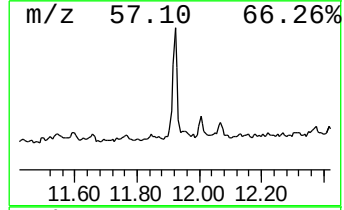
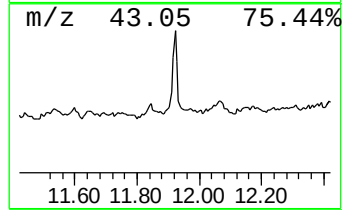
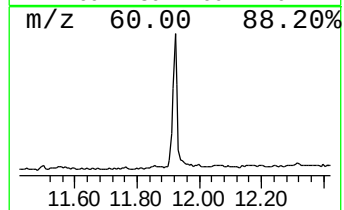
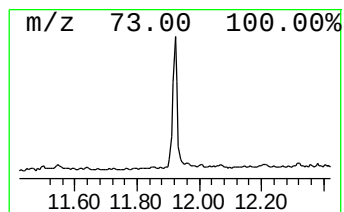
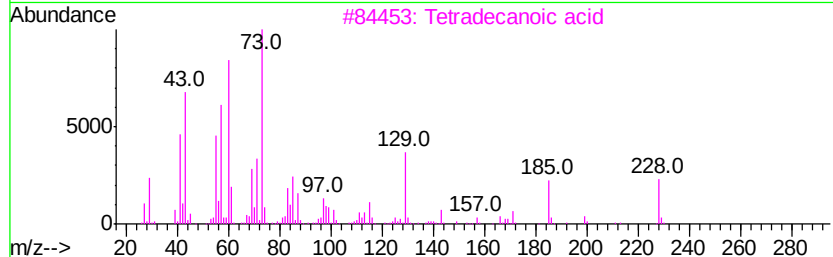
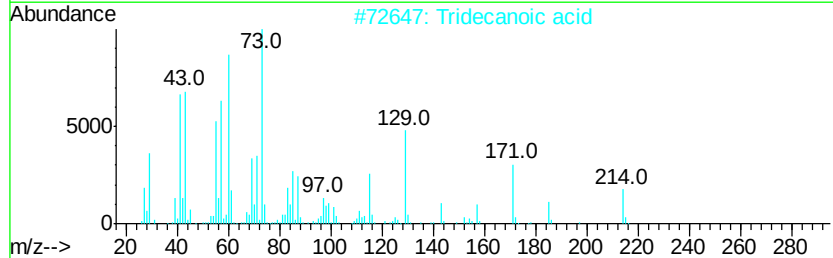
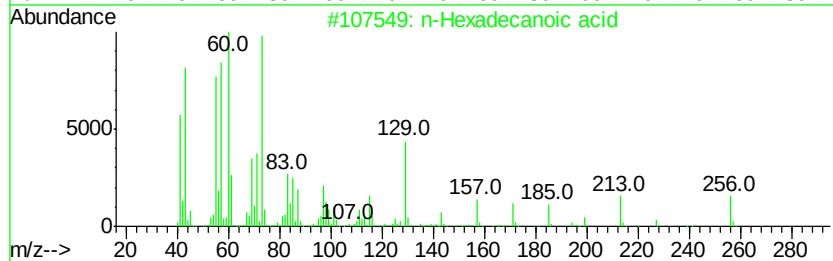
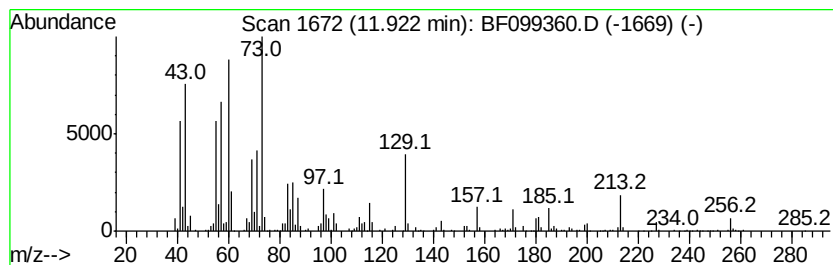
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 n-Hexadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.92	23.69 ng	542717	Phenanthrene-d10		11.38
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76



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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
RS-FRACTANK

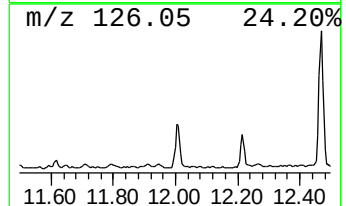
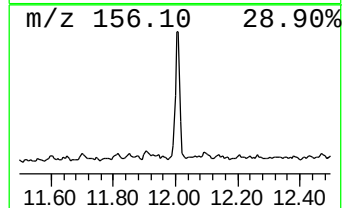
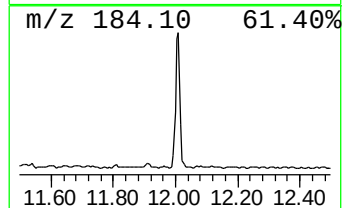
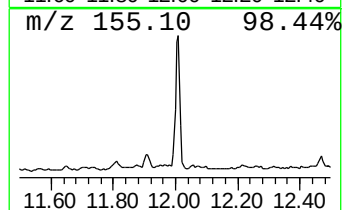
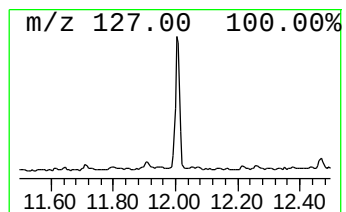
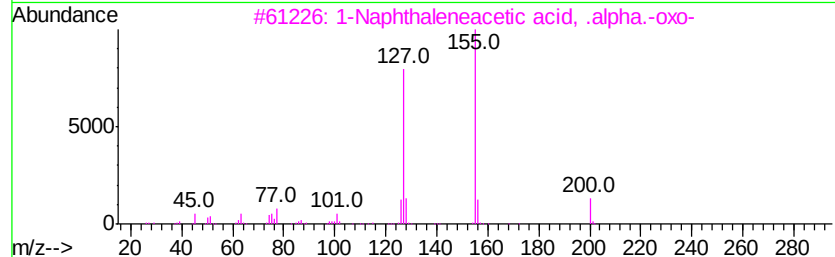
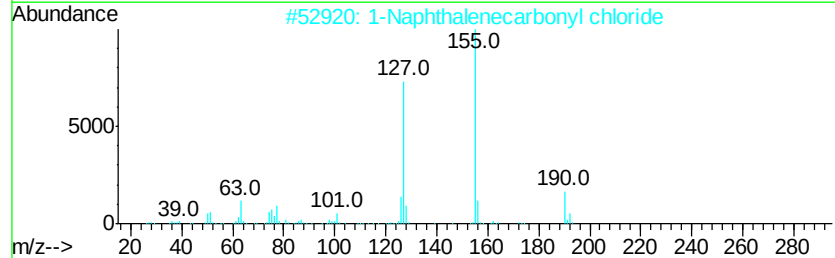
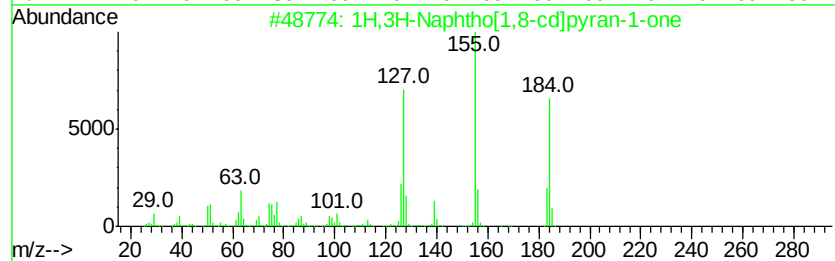
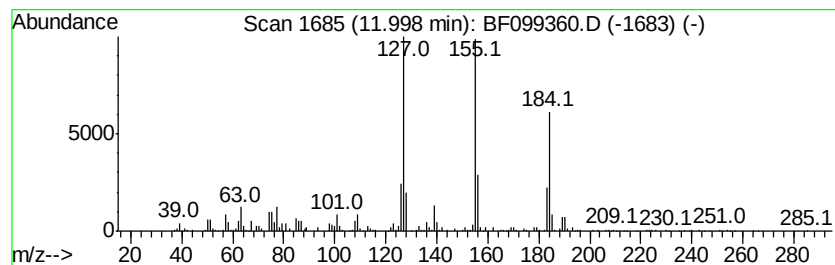
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 1H,3H-Naphtho[1,8-cd]pyran-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	32.56 ng	745879	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H,3H-Naphtho[1,8-cd]pyran-1-one	184	C12H8O2	000518-86-5	90
2		1-Naphthalenecarbonyl chloride	190	C11H7ClO	000879-18-5	64
3		1-Naphthaleneacetic acid, .alpha...	200	C12H8O3	026153-26-4	50
4		.beta.-Naphthamide	171	C11H9NO	002243-82-5	50
5		1-Naphthoic acid, 3-ethylphenyl ...	276	C19H16O2	1000355-69-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101117\
Data File : BF099360.D
Acq On : 11 Oct 2017 22:33
Operator : SJ/JU
Sample : I5766-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RS-FRACTANK

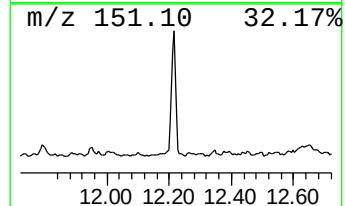
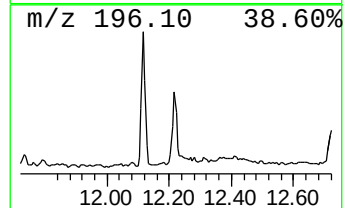
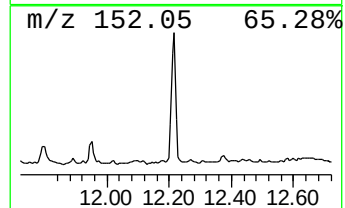
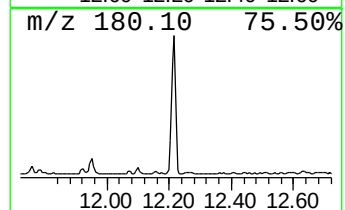
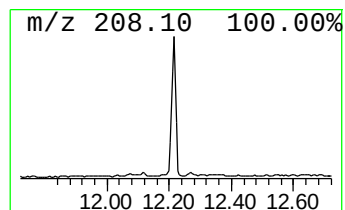
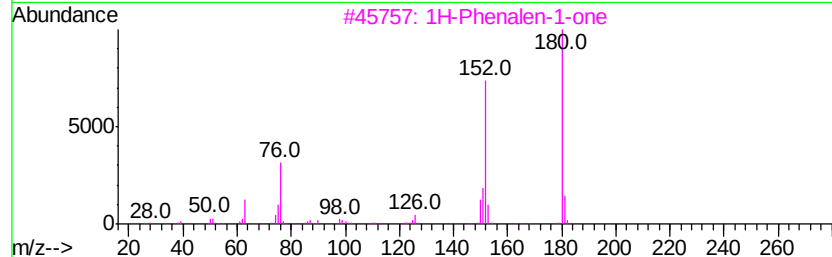
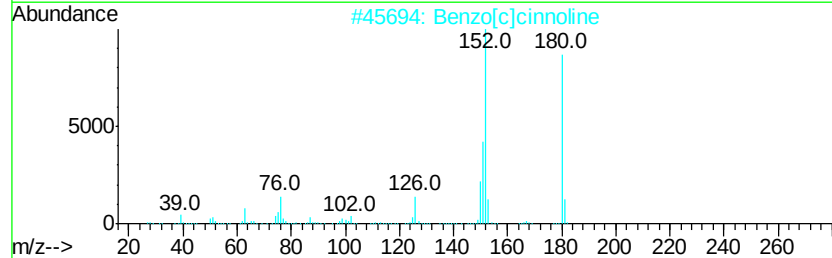
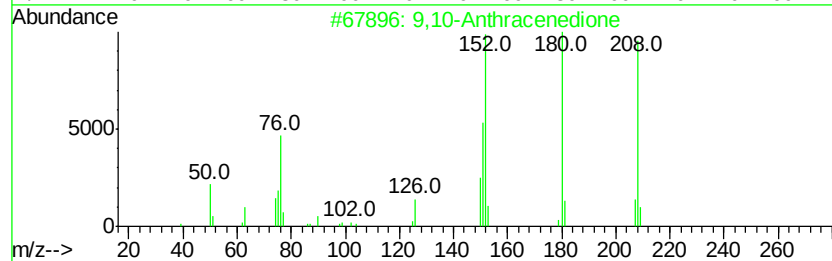
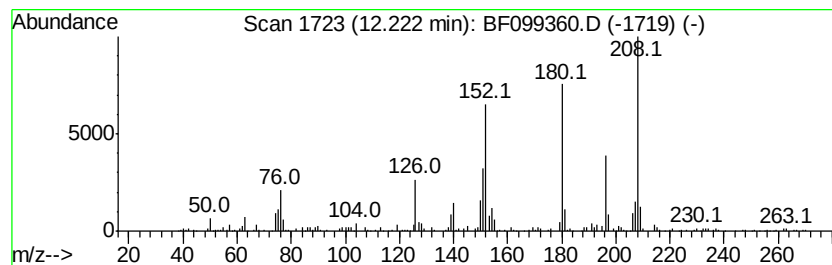
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	26.93 ng	616882	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
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Operator : SJ/JU
Sample : I5766-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RS-FRACTANK

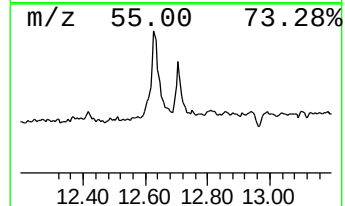
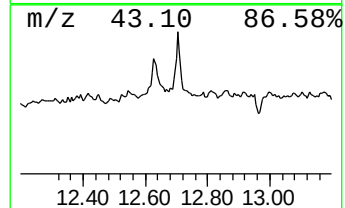
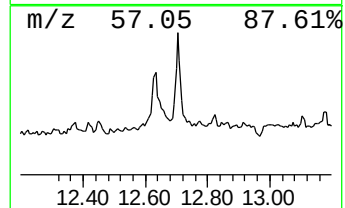
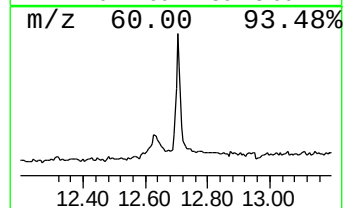
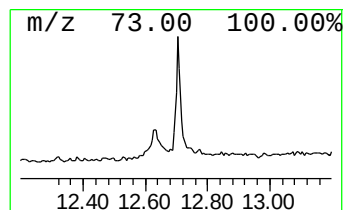
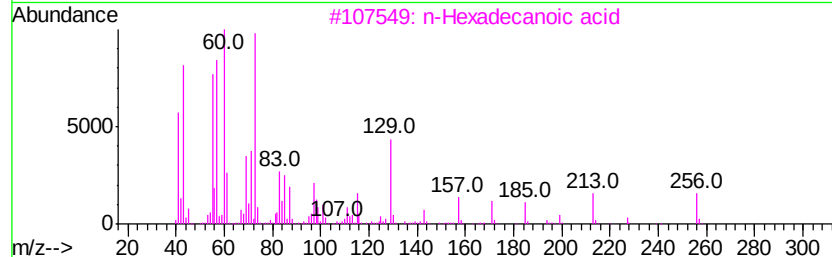
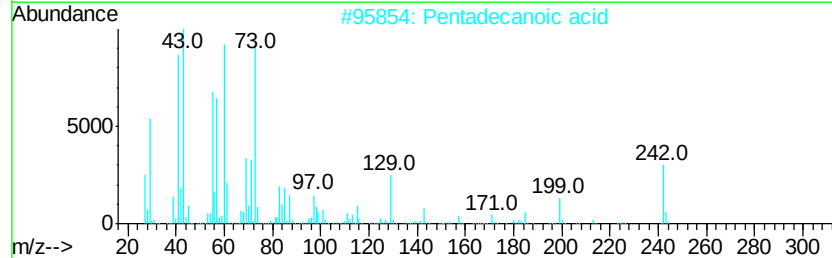
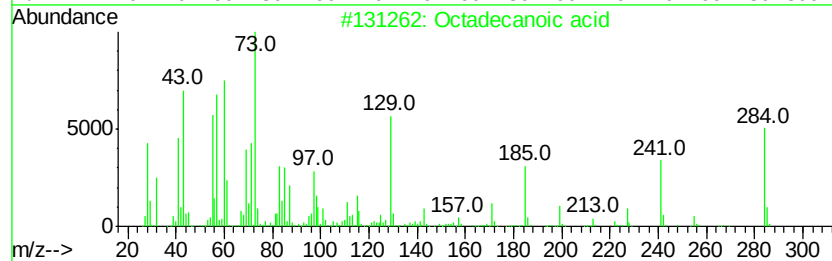
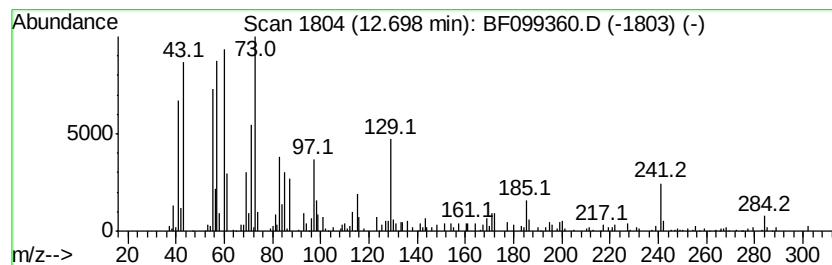
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	21.13 ng	443482	Chrysene-d12	14.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	96
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5			Undecane, 2-methyl-	170	C12H26	007045-71-8	25



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 Sample : I5766-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RS-FRACTANK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.63	6.63	24.8	ng	2629370	1	6.85	2124340	20.0
Nonanoic acid	8.63	41.3	ng	4742480	2	8.13	2298580	20.0
Benzoic acid, 2,5...	9.06	18.4	ng	640240	3	9.89	696099	20.0
Benzoic acid, 2,4...	9.10	24.8	ng	863867	3	9.89	696099	20.0
n-Decanoic acid	9.15	61.4	ng	2136880	3	9.89	696099	20.0
Vanillin	9.37	46.0	ng	1602930	3	9.89	696099	20.0
Ethanedicarboxami...	9.58	24.3	ng	844685	3	9.89	696099	20.0
unknown9.76	9.76	13.6	ng	473784	3	9.89	696099	20.0
unknown10.15	10.15	36.7	ng	1277480	3	9.89	696099	20.0
7-Methoxymethyl-2...	10.20	13.8	ng	479865	3	9.89	696099	20.0
1-Naphthalenecarb...	10.87	25.0	ng	572875	4	11.38	458166	20.0
2-Fluorenamine	10.98	39.7	ng	910002	4	11.38	458166	20.0
9H-Fluoren-9-one	11.20	71.2	ng	1631990	4	11.38	458166	20.0
Dibenzothiophene	11.28	26.7	ng	612667	4	11.38	458166	20.0
Dibenzothiophene,...	11.71	12.7	ng	290805	4	11.38	458166	20.0
n-Hexadecanoic acid	11.92	23.7	ng	542717	4	11.38	458166	20.0
1H,3H-Naphtho[1,8...	12.00	32.6	ng	745879	4	11.38	458166	20.0
9,10-Anthracenedione	12.22	26.9	ng	616882	4	11.38	458166	20.0
Octadecanoic acid	12.70	21.1	ng	443482	5	14.03	419711	20.0