

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
 Data File : BF098661.D
 Acq On : 20 Sep 2017 15:45
 Operator : SJ/JU
 Sample : I5281-09 100X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.851	637	640	646	rVB	230932	259842	7.32%	0.388%
2	6.045	667	673	676	rBV2	245042	310399	8.74%	0.463%
3	6.134	684	688	690	rBV	132959	137050	3.86%	0.205%
4	6.163	691	693	698	rVB	134604	141182	3.98%	0.211%
5	6.351	721	725	729	rBV2	333606	432386	12.18%	0.645%
6	6.469	740	745	747	rBV3	149302	201353	5.67%	0.301%
7	6.545	756	758	762	rVV3	133087	195260	5.50%	0.291%
8	6.587	762	765	767	rVV4	127546	142072	4.00%	0.212%
9	6.616	767	770	776	rVB2	683203	802879	22.61%	1.199%
10	6.675	776	780	784	rBV3	227197	321521	9.06%	0.480%
11	6.740	788	791	793	rVV	407651	377631	10.64%	0.564%
12	6.763	793	795	799	rVV2	684263	653963	18.42%	0.976%
13	6.798	799	801	803	rVB	212299	167382	4.71%	0.250%
14	6.828	803	806	807	rBV2	177049	148643	4.19%	0.222%
15	6.851	807	810	812	rVV3	213571	210535	5.93%	0.314%
16	6.887	812	816	821	rVB5	231529	340868	9.60%	0.509%
17	6.969	825	830	834	rBV3	277969	414257	11.67%	0.618%
18	7.010	834	837	839	rBV	439437	410926	11.57%	0.613%
19	7.157	855	862	866	rBV	861167	1177672	33.17%	1.758%
20	7.198	866	869	872	rBV	681222	673085	18.96%	1.005%
21	7.251	875	878	879	rBV2	403427	374609	10.55%	0.559%
22	7.269	879	881	885	rVB3	604051	654282	18.43%	0.977%
23	7.316	885	889	890	rBV	381858	421617	11.88%	0.629%
24	7.422	901	907	911	rVB3	1014714	1272142	35.83%	1.899%
25	7.463	911	914	919	rBV	337985	340085	9.58%	0.508%
26	7.522	919	924	929	rVV3	1464277	2540921	71.57%	3.793%
27	7.610	937	939	943	rVB2	434155	449355	12.66%	0.671%
28	7.669	943	949	951	rBV2	510319	753489	21.22%	1.125%
29	7.728	955	959	963	rBV	664598	861913	24.28%	1.287%
30	7.769	963	966	968	rBV4	196527	277308	7.81%	0.414%
31	7.810	971	973	975	rVB3	352698	275426	7.76%	0.411%
32	7.863	975	982	984	rBV2	1109406	1690211	47.61%	2.523%
33	7.904	984	989	992	rVV	1680388	2453085	69.09%	3.662%
34	7.934	992	994	996	rVV	662055	752923	21.21%	1.124%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.951	996	997	999	rVV2	801283	732945	20.64%	1.094%
36	7.975	999	1001	1004	rVV	929093	874005	24.62%	1.305%
37	8.004	1004	1006	1013	rVB6	490125	1022924	28.81%	1.527%
38	8.069	1013	1017	1019	rBV	459545	559833	15.77%	0.836%
39	8.110	1022	1024	1027	rVV3	369065	389362	10.97%	0.581%
40	8.139	1027	1029	1032	rVB3	451172	407452	11.48%	0.608%
41	8.198	1033	1039	1042	rBV3	1607436	2179189	61.38%	3.253%
42	8.234	1042	1045	1047	rVV2	383792	459800	12.95%	0.686%
43	8.257	1047	1049	1052	rVB4	380835	340881	9.60%	0.509%
44	8.298	1052	1056	1058	rBV3	606815	647640	18.24%	0.967%
45	8.339	1058	1063	1067	rVV	2917291	3550321	100.00%	5.300%
46	8.404	1071	1074	1077	rVB5	228766	282687	7.96%	0.422%
47	8.445	1077	1081	1083	rBV3	465631	559697	15.76%	0.836%
48	8.469	1083	1085	1087	rVV2	343123	314740	8.87%	0.470%
49	8.498	1087	1090	1094	rVV3	780637	1068032	30.08%	1.594%
50	8.539	1095	1097	1099	rVV3	692263	787948	22.19%	1.176%
51	8.563	1099	1101	1103	rVV	793279	827898	23.32%	1.236%
52	8.598	1104	1107	1110	rVB2	1211527	1479065	41.66%	2.208%
53	8.628	1110	1112	1113	rBV2	231619	180217	5.08%	0.269%
54	8.698	1122	1124	1126	rBV2	303006	334443	9.42%	0.499%
55	8.763	1133	1135	1137	rVB	405010	258129	7.27%	0.385%
56	8.786	1137	1139	1141	rBV2	348953	319220	8.99%	0.477%
57	8.816	1141	1144	1147	rVB	1816267	1641369	46.23%	2.450%
58	8.845	1147	1149	1152	rBV3	276500	387405	10.91%	0.578%
59	8.875	1152	1154	1158	rVB2	531146	469307	13.22%	0.701%
60	8.934	1158	1164	1167	rBV	2204408	2127034	59.91%	3.175%
61	9.081	1187	1189	1191	rVB2	592853	473652	13.34%	0.707%
62	9.110	1191	1194	1195	rBV2	195613	199189	5.61%	0.297%
63	9.128	1195	1197	1199	rVV2	296673	225564	6.35%	0.337%
64	9.181	1204	1206	1209	rVB2	407955	389413	10.97%	0.581%
65	9.228	1211	1214	1217	rBV3	230908	283377	7.98%	0.423%
66	9.257	1217	1219	1221	rVB	395693	304946	8.59%	0.455%
67	9.292	1222	1225	1226	rBV3	223871	226661	6.38%	0.338%
68	9.339	1231	1233	1235	rBV3	187913	142321	4.01%	0.212%
69	9.386	1238	1241	1244	rVV	2892937	2507250	70.62%	3.743%
70	9.416	1244	1246	1248	rVB2	472273	385929	10.87%	0.576%
71	9.439	1248	1250	1253	rVB4	135989	132356	3.73%	0.198%

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72	9.475	1253	1256	1257	rBV2	286809	255340	7.19%	0.381%
73	9.563	1268	1271	1274	rVB2	441741	406174	11.44%	0.606%
74	9.604	1274	1278	1281	rBV4	191827	399940	11.26%	0.597%
75	9.633	1281	1283	1284	rVV	626754	483725	13.62%	0.722%
76	9.657	1284	1287	1290	rVB2	987669	931716	26.24%	1.391%
77	9.698	1292	1294	1296	rVV	333558	231627	6.52%	0.346%
78	9.769	1303	1306	1308	rVB	466156	403697	11.37%	0.603%
79	9.816	1311	1314	1317	rBV3	297165	396474	11.17%	0.592%
80	9.857	1318	1321	1327	rVB3	623427	795175	22.40%	1.187%
81	9.916	1328	1331	1337	rVB4	774546	905389	25.50%	1.352%
82	9.975	1338	1341	1345	rBV2	347443	465849	13.12%	0.695%
83	10.080	1356	1359	1361	rBV2	273278	313506	8.83%	0.468%
84	10.104	1361	1363	1366	rVV3	239852	296005	8.34%	0.442%
85	10.145	1368	1370	1375	rVB2	463461	605162	17.05%	0.903%
86	10.186	1375	1377	1379	rBV	218902	210239	5.92%	0.314%
87	10.210	1379	1381	1385	rVB3	398494	483700	13.62%	0.722%
88	10.257	1387	1389	1392	rVB3	310939	294183	8.29%	0.439%
89	10.316	1395	1399	1402	rVB	2656563	2472560	69.64%	3.691%
90	10.580	1439	1444	1448	rBV	2989520	3294512	92.79%	4.918%
91	10.710	1463	1466	1469	rBV3	193321	274552	7.73%	0.410%
92	11.045	1519	1523	1526	rVB	1731251	1822689	51.34%	2.721%
93	11.092	1529	1531	1534	rBV2	148972	183248	5.16%	0.274%
94	11.139	1537	1539	1544	rBV2	627883	657649	18.52%	0.982%
95	11.386	1578	1581	1585	rVB	545122	535366	15.08%	0.799%
96	11.757	1642	1644	1652	rVB4	210528	357285	10.06%	0.533%
97	11.898	1666	1668	1672	rVB	131997	151391	4.26%	0.226%
98	12.122	1703	1706	1712	rVV2	102967	143348	4.04%	0.214%
99	13.768	1983	1986	1994	rBV	515988	490716	13.82%	0.733%
100	15.168	2219	2224	2230	rBV	530755	617226	17.39%	0.921%

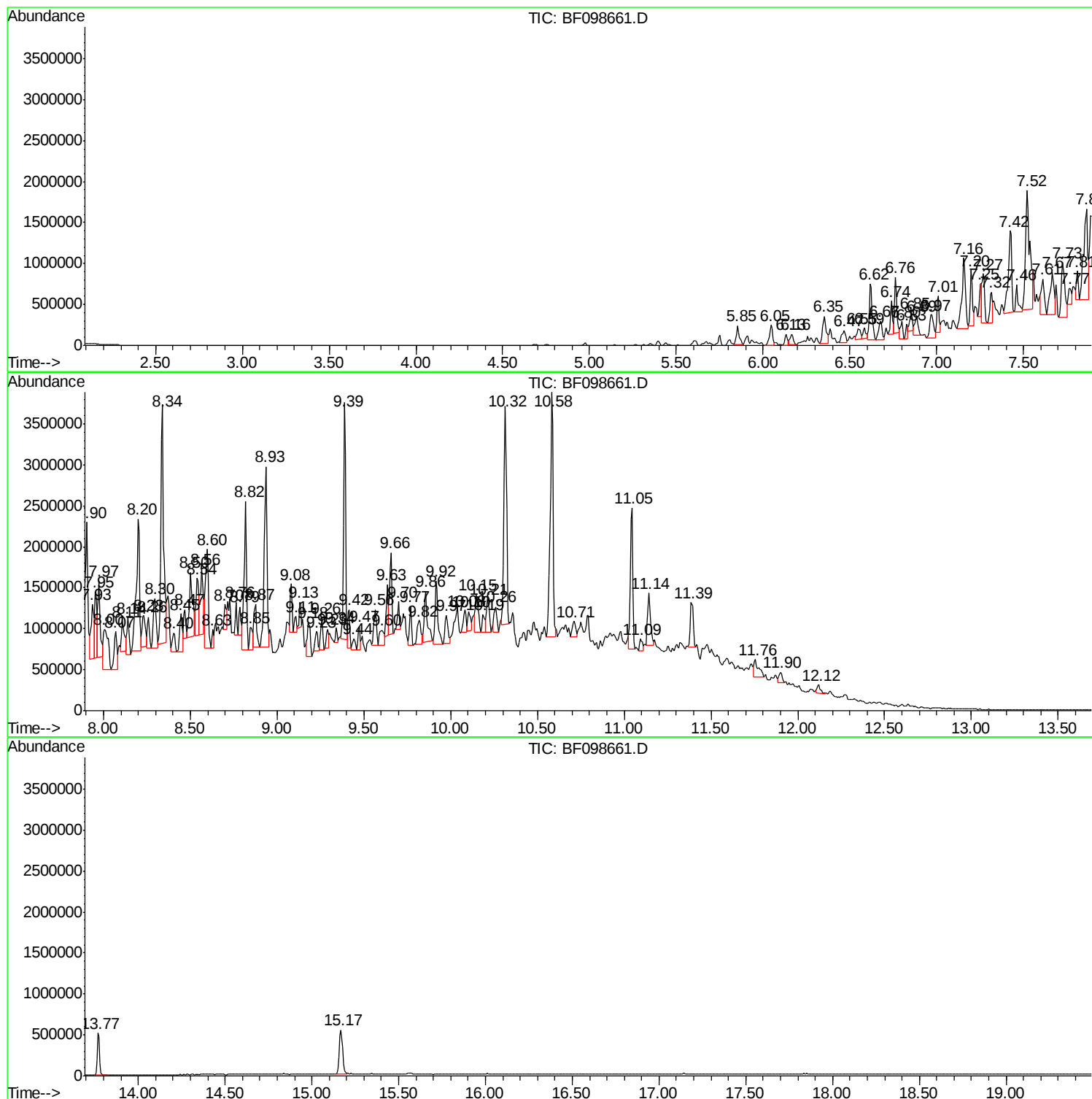
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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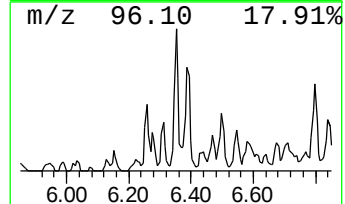
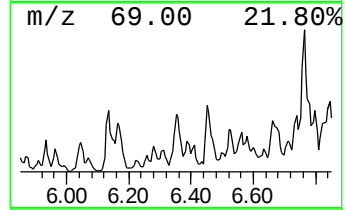
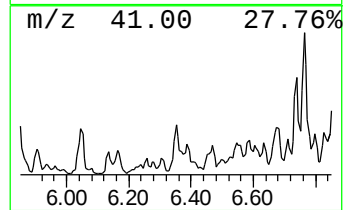
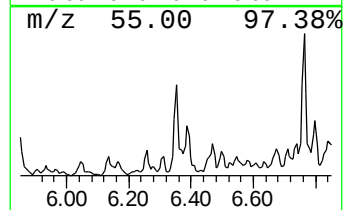
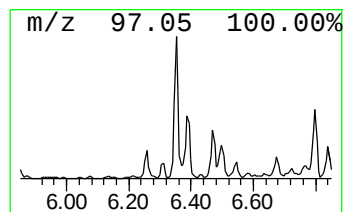
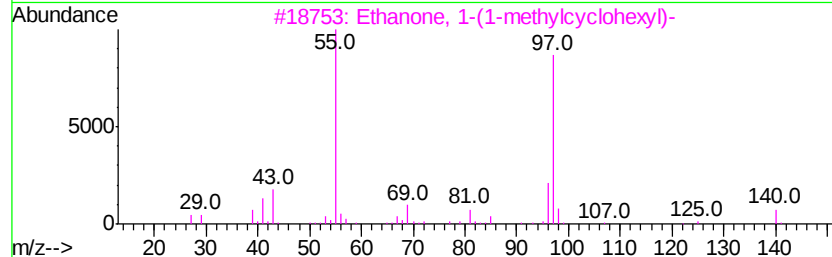
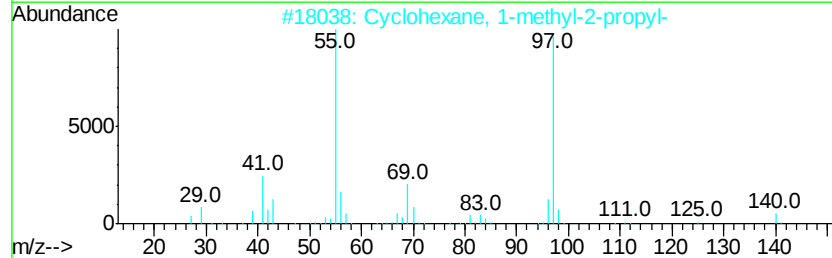
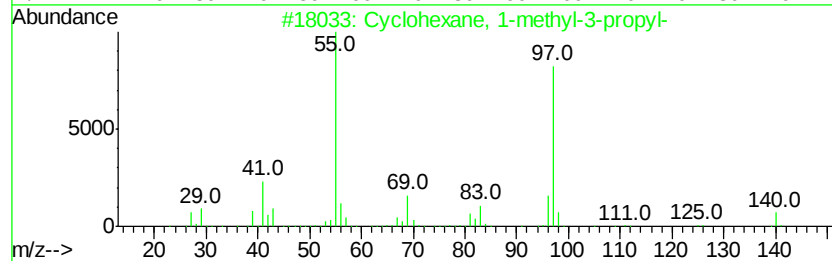
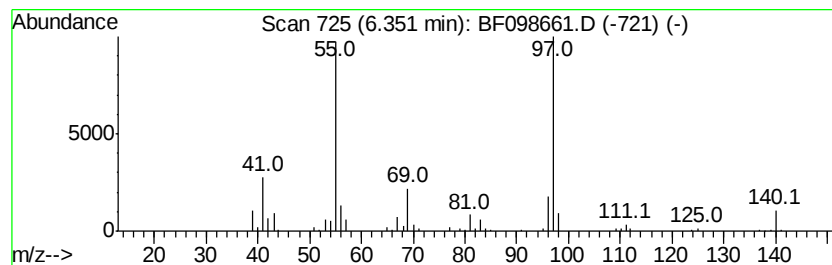
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, 1-methyl-3-pro... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	10.77 ng	432386	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	90
2		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	87
3		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	87
4		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	006069-98-3	80
5		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	001678-82-6	80



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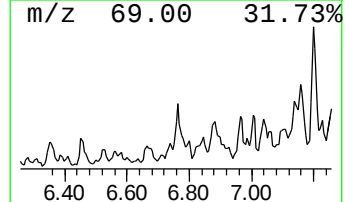
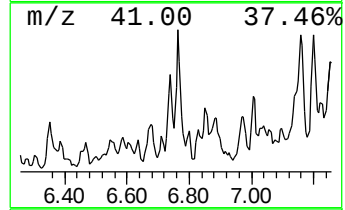
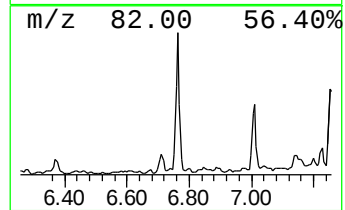
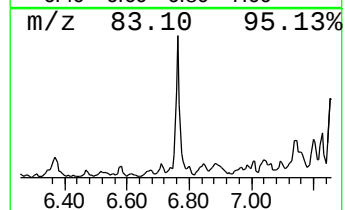
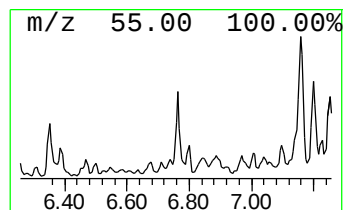
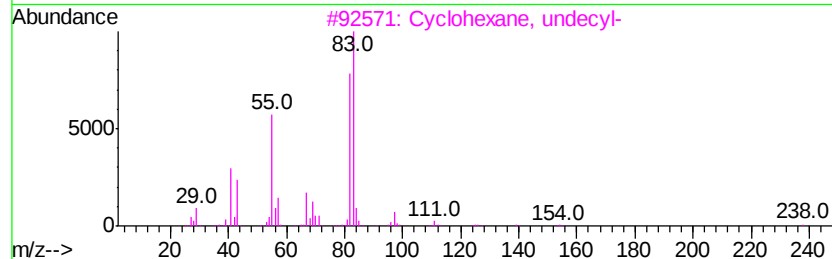
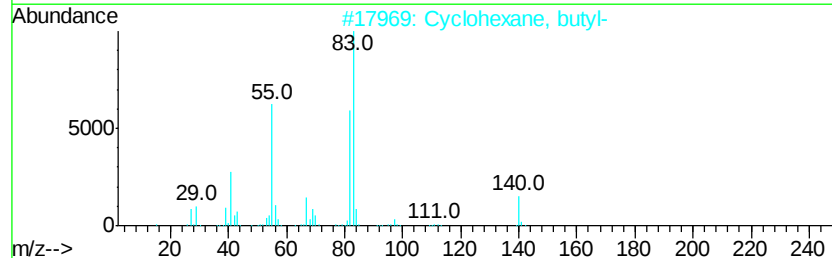
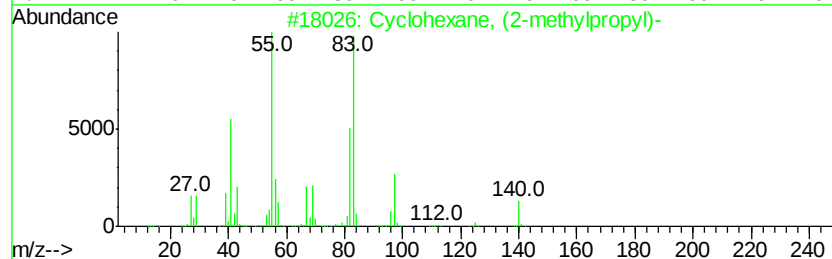
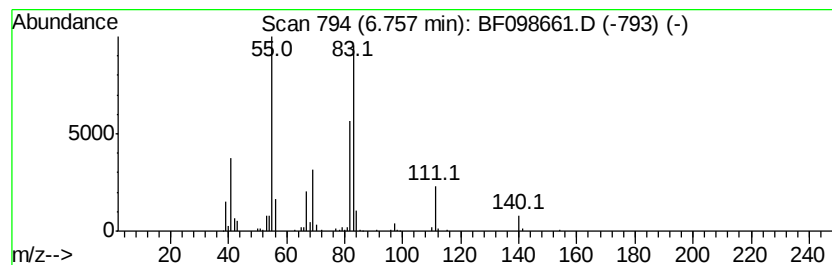
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, (2-methylpropyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	16.29 ng	653963	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	83
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	74
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
5		Oxalic acid, cyclohexyl tetradec...	368	C22H40O4	1000309-31-5	47



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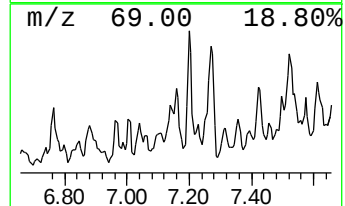
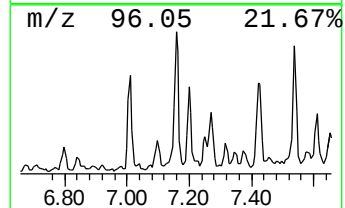
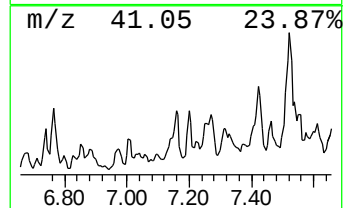
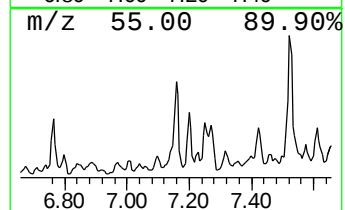
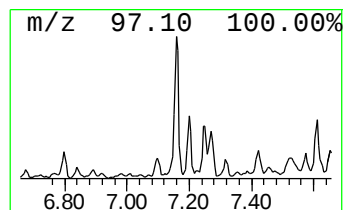
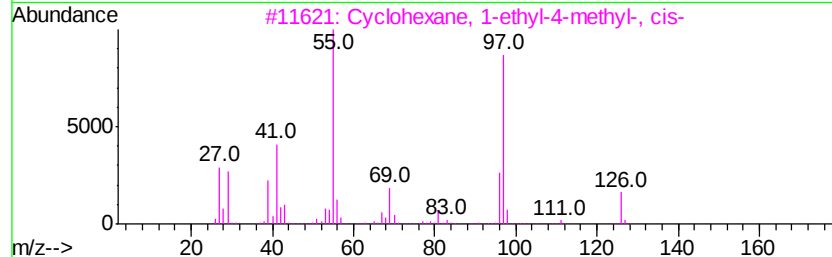
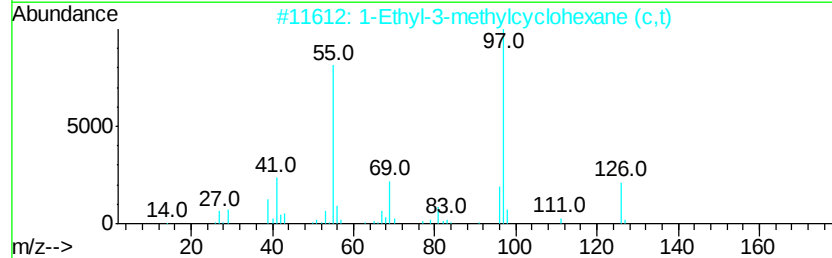
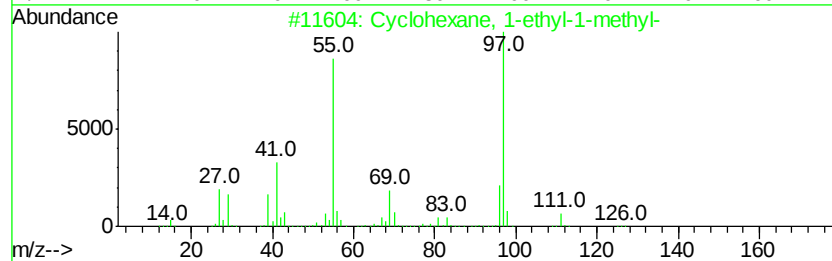
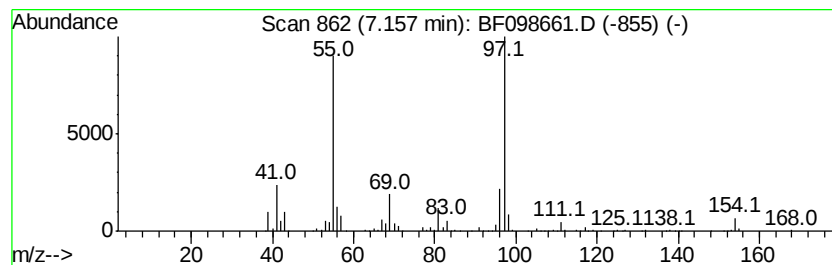
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	29.34 ng	1177670	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	87
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
5		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

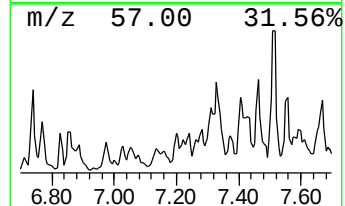
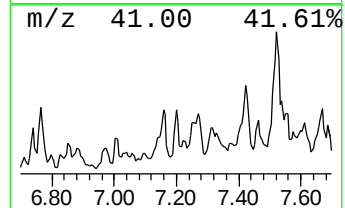
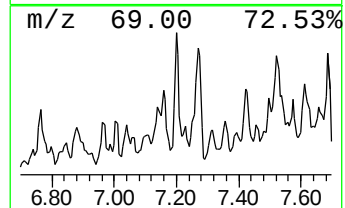
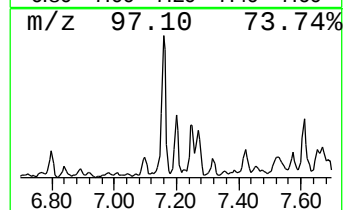
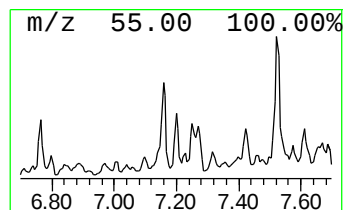
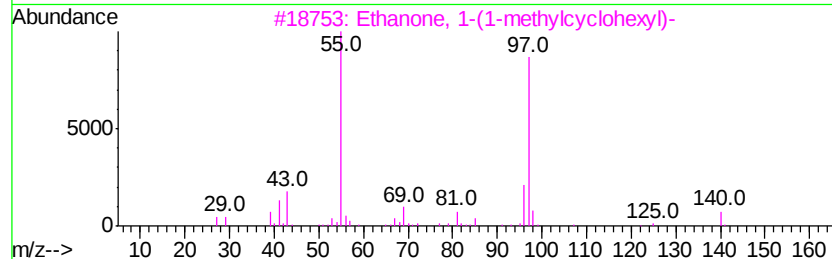
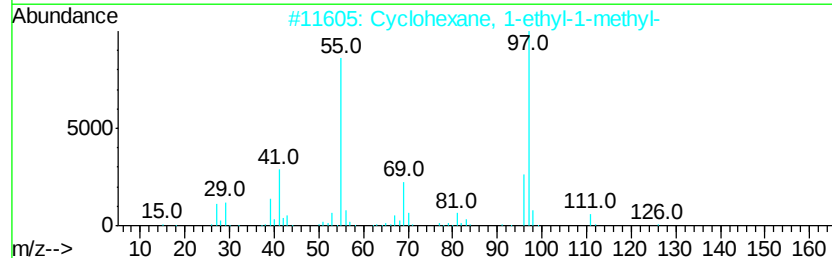
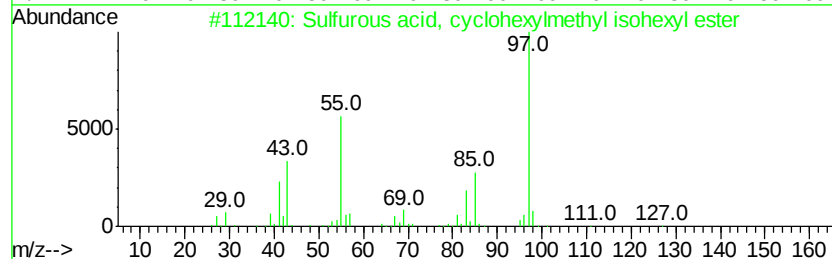
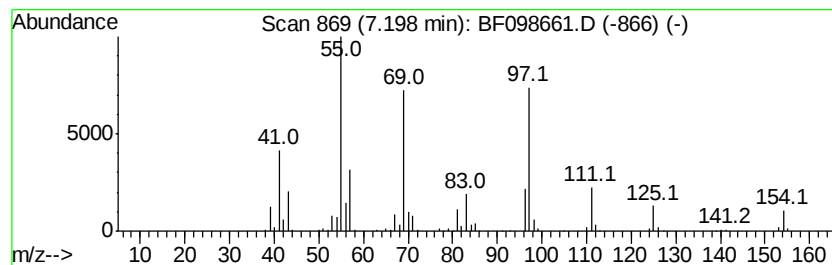
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Sulfurous acid, cyclohexylm... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	16.77 ng	673085	1,4-Dichlorobenzene-d4	6.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfurous acid, cvclohexylmethvl...	262	C13H26O3S	1000309-21-5	53
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53
3		Ethanone, 1-(1-methylcvclohexyl)-	140	C9H16O	002890-62-2	53
4		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	50
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
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Acq On : 20 Sep 2017 15:45
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Sample : I5281-09 100X
Misc :
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Instrument :
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ClientSampleId :
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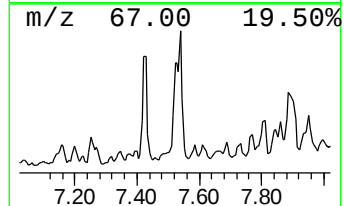
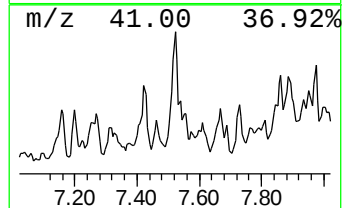
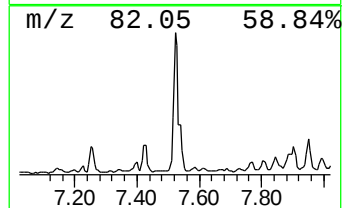
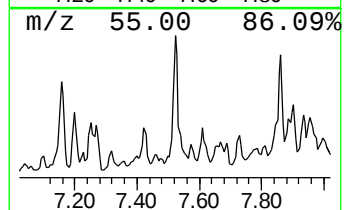
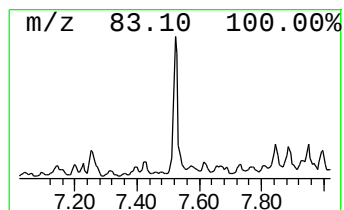
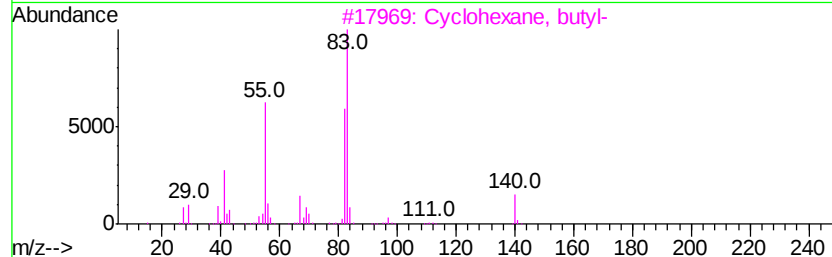
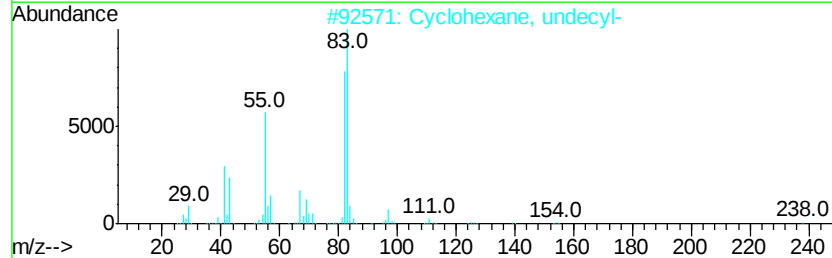
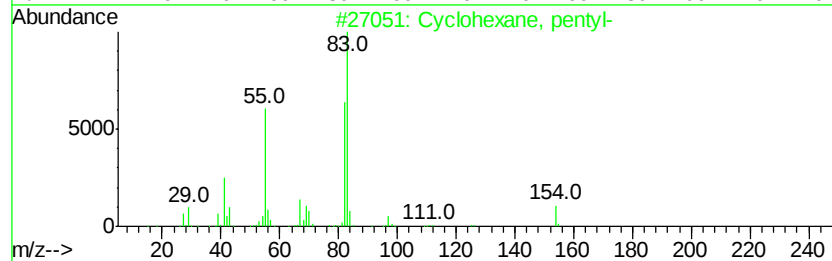
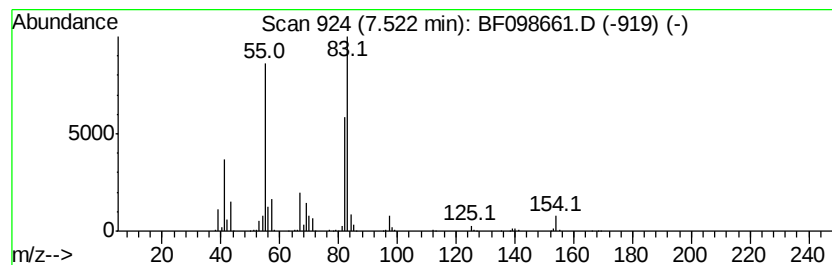
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, pentyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	20.72 ng	2540920	Napthalene-d8	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
2		Cyclohexane, undecyl-	238	C17H34	054105-66-7	86
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	86
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	78
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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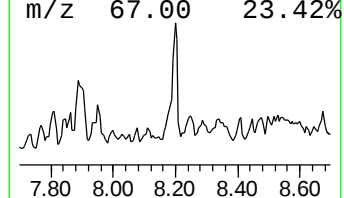
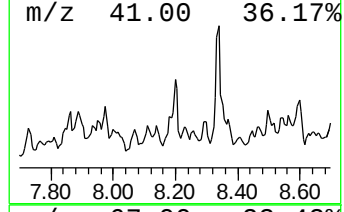
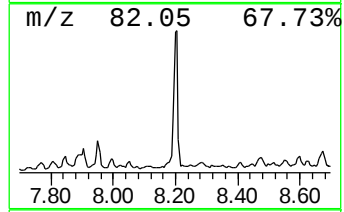
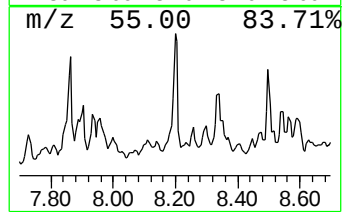
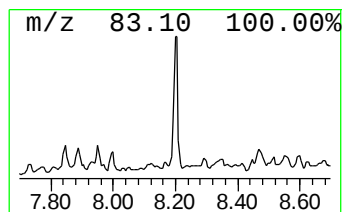
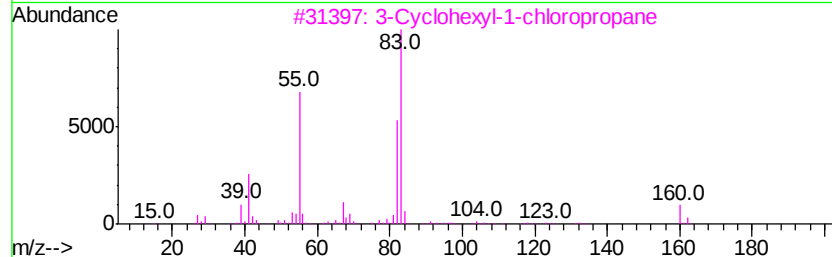
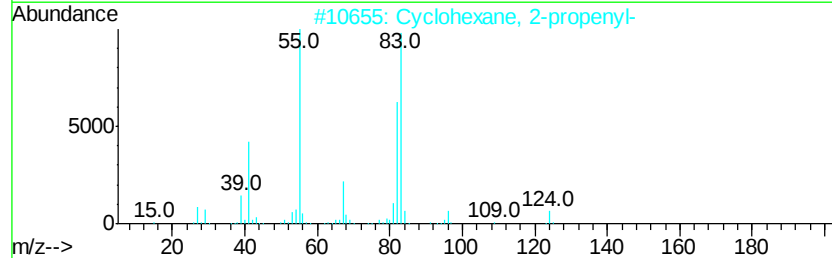
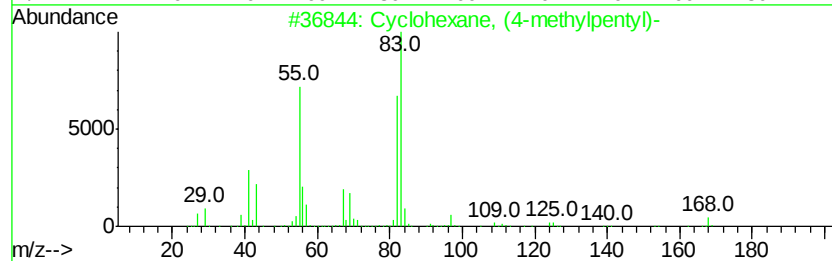
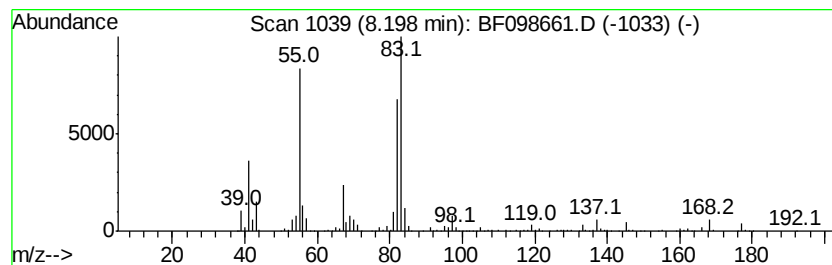
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclohexane, (4-methylpentyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	17.77 ng	2179190	Napthalene-d8	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	78
2		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	72
3		3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	72
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

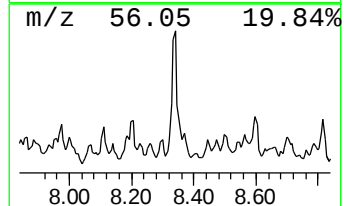
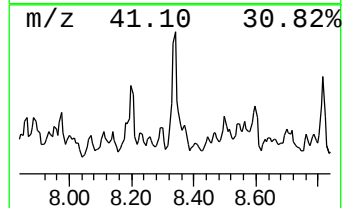
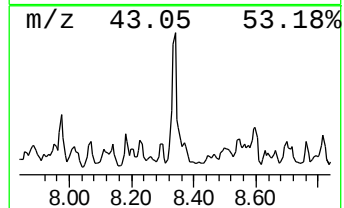
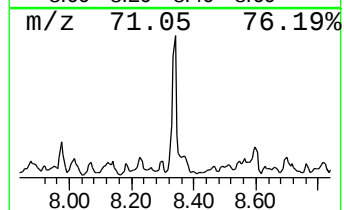
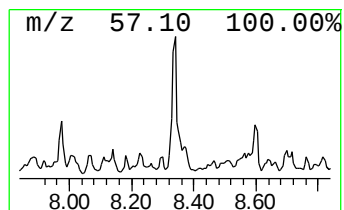
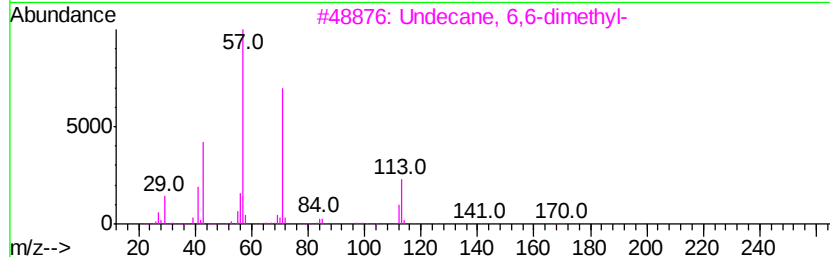
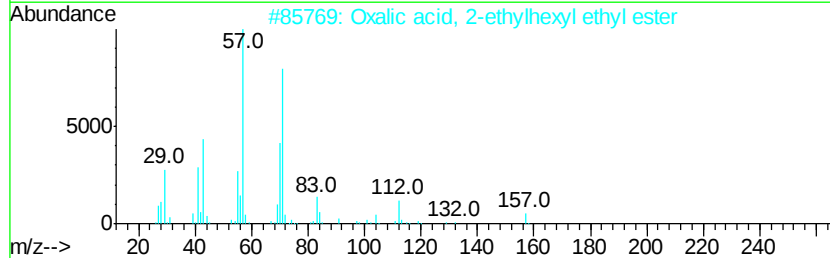
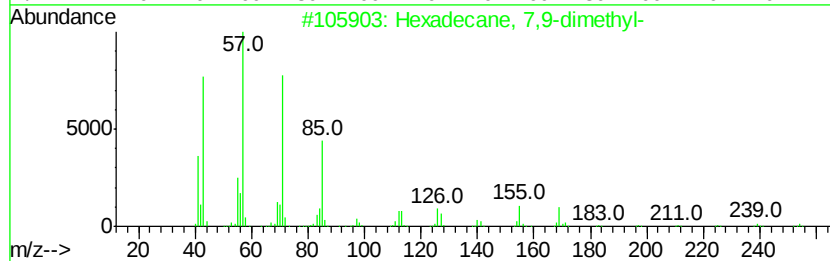
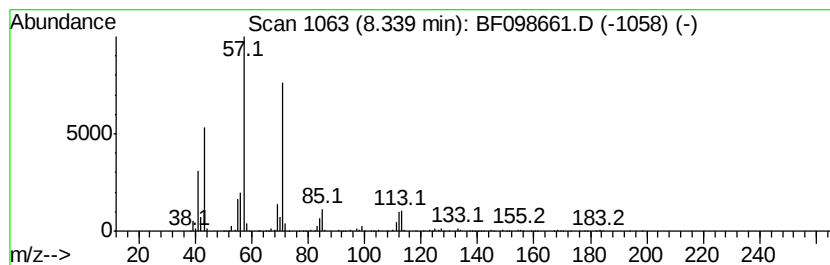
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane, 7,9-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	28.95 ng	3550320	Naphthalene-d8	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	72
2		Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72
3		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
4		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5		Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

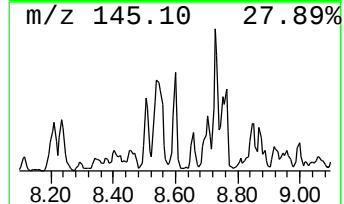
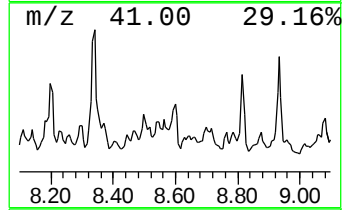
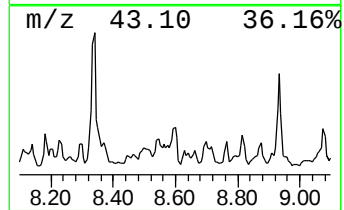
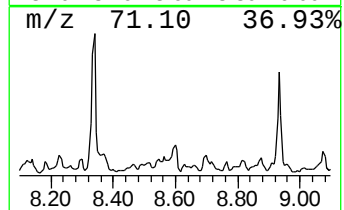
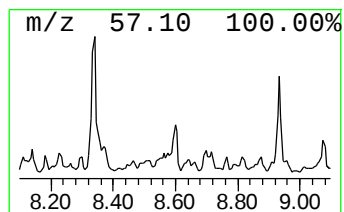
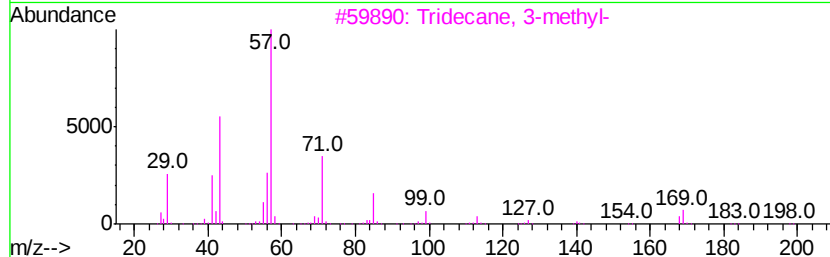
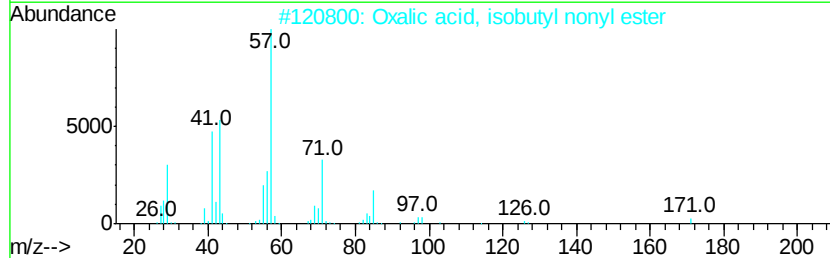
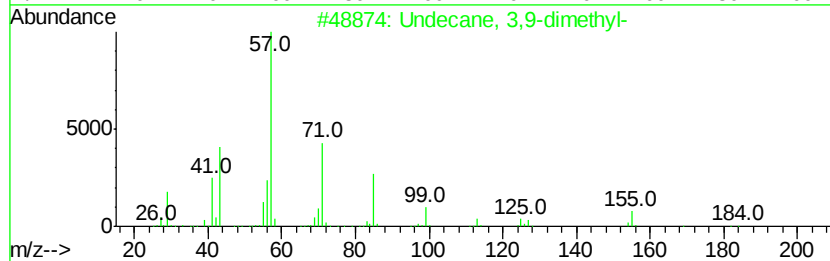
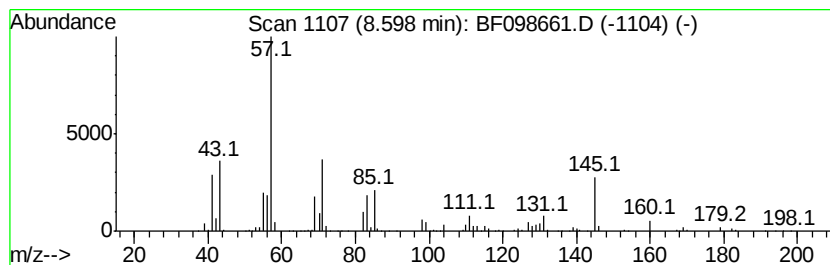
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown8.60 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	12.06 ng	1479070	Naphthalene-d8	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	47
2		Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	43
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38
5		Decane, 3-methyl-	156	C11H24	013151-34-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2

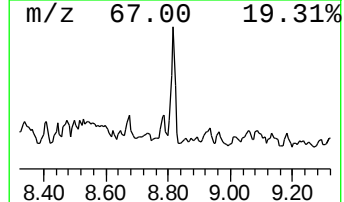
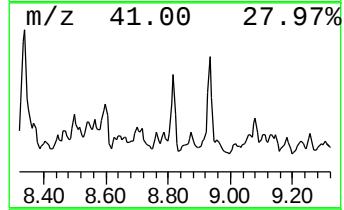
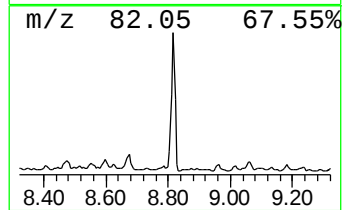
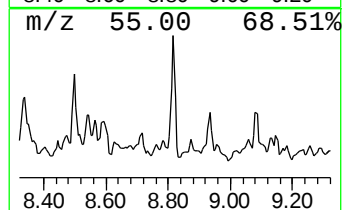
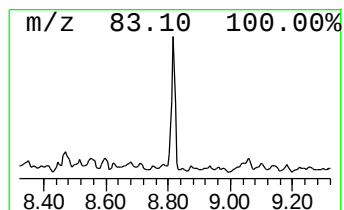
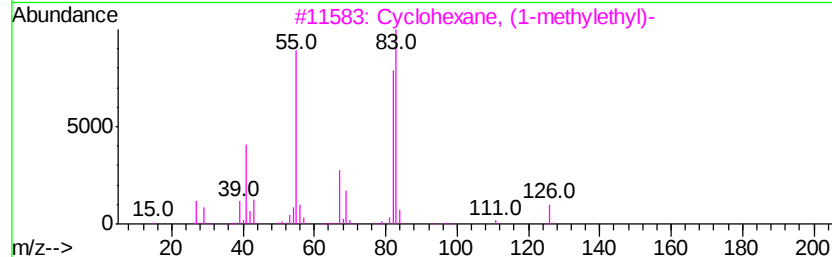
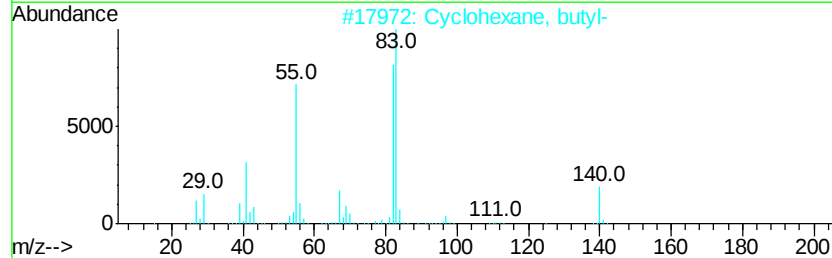
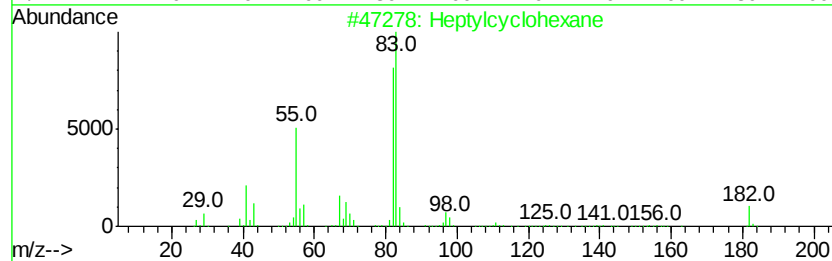
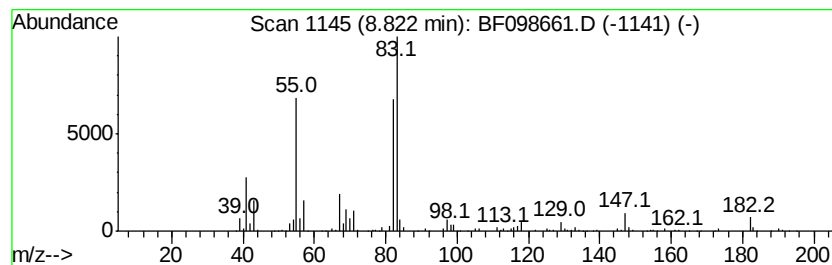
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heptylcyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	35.23 ng	1641370	Acenaphthene-d10	9.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptylcyclohexane	182	C13H26	005617-41-4	91
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	86
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	86
4		Cyclohexane, undecyl-	238	C17H34	054105-66-7	86
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

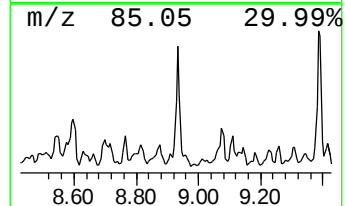
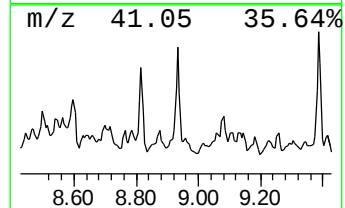
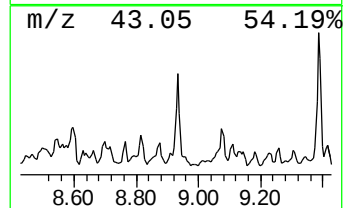
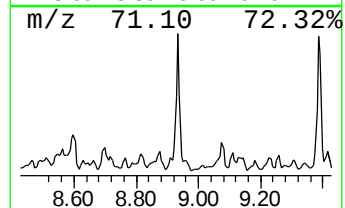
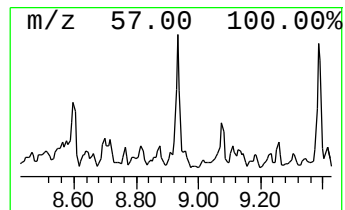
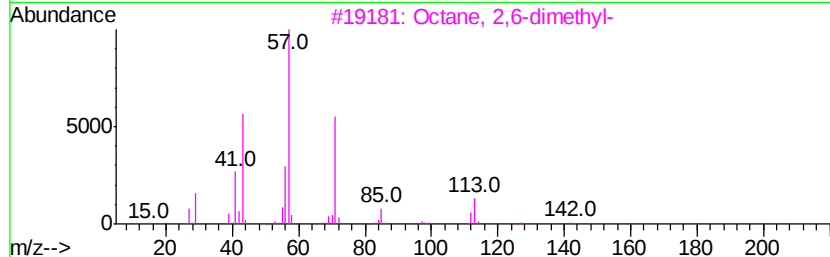
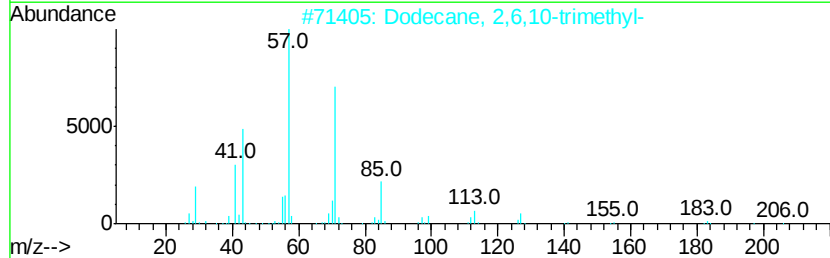
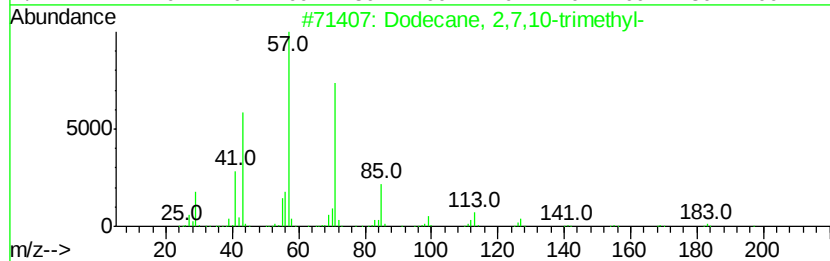
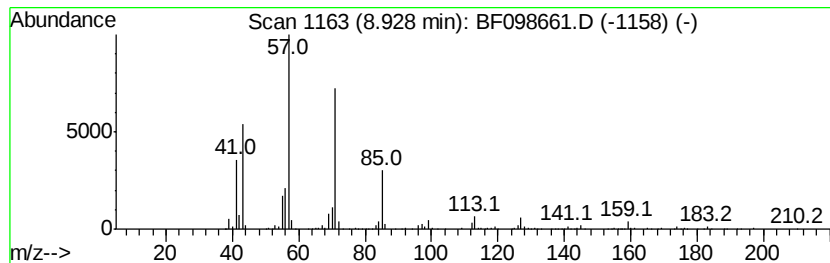
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dodecane, 2,7,10-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	45.66 ng	2127030	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

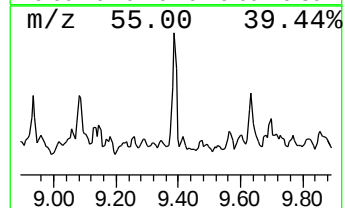
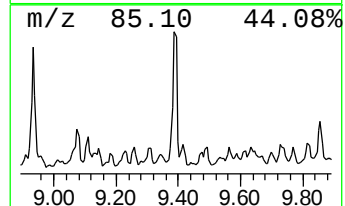
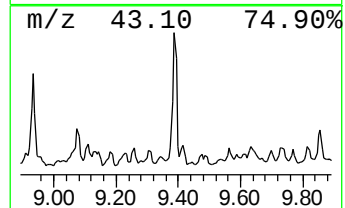
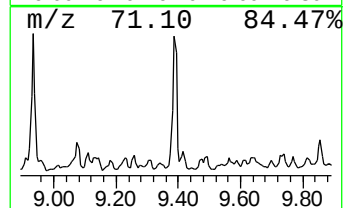
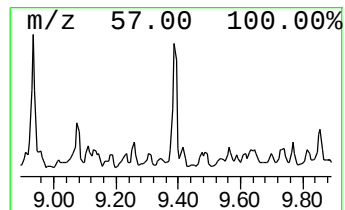
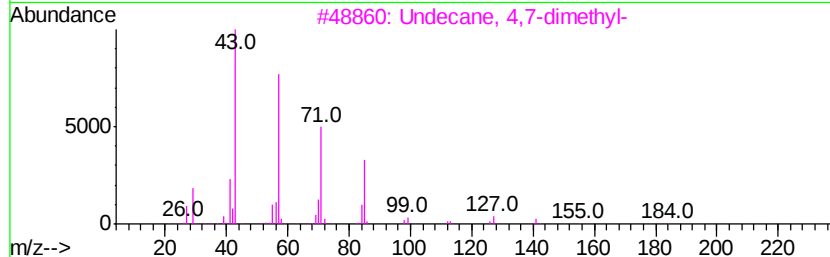
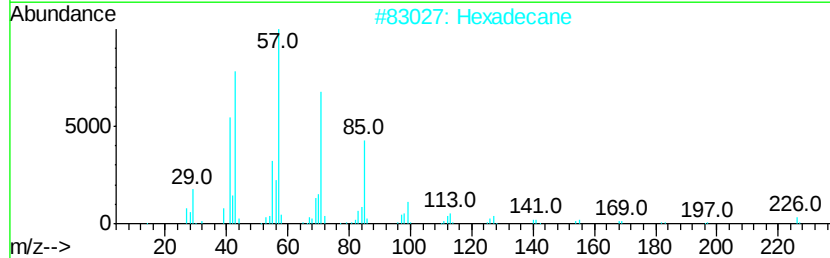
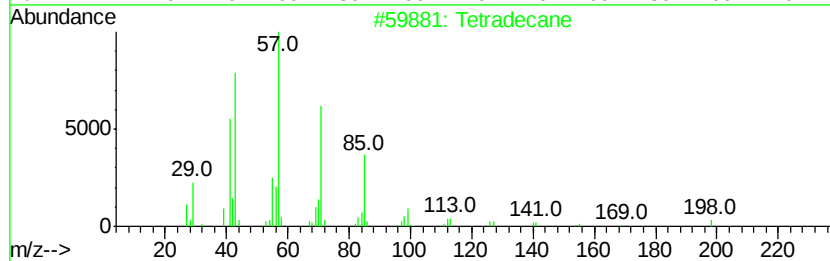
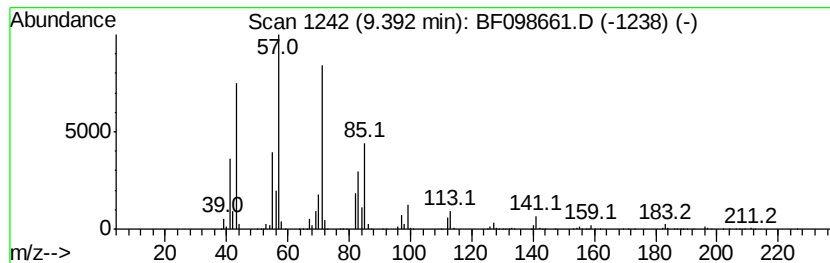
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tetradecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	53.82 ng	2507250	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	64
2		Hexadecane	226	C16H34	000544-76-3	64
3		Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	53
4		Decane	142	C10H22	000124-18-5	53
5		Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

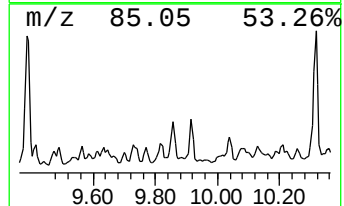
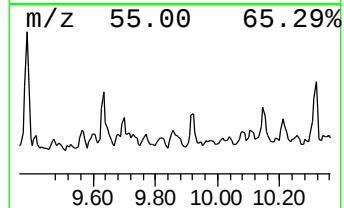
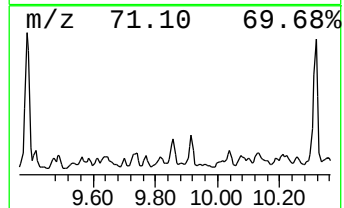
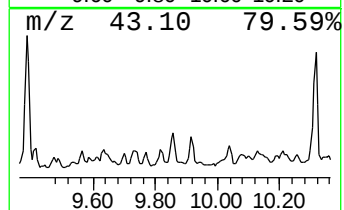
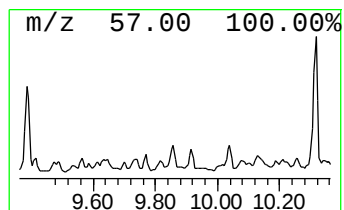
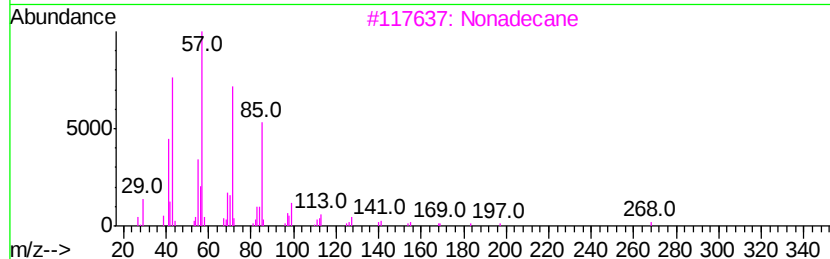
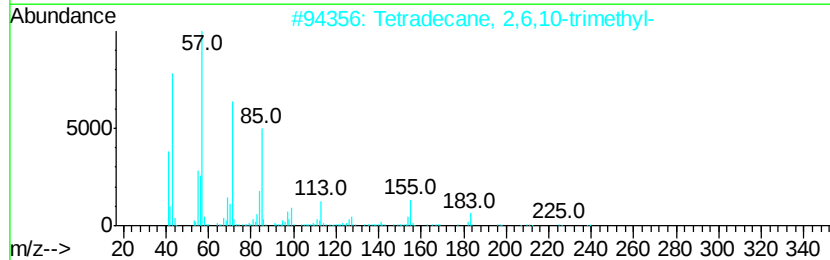
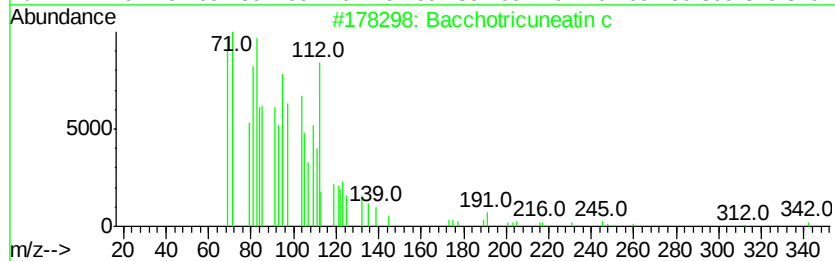
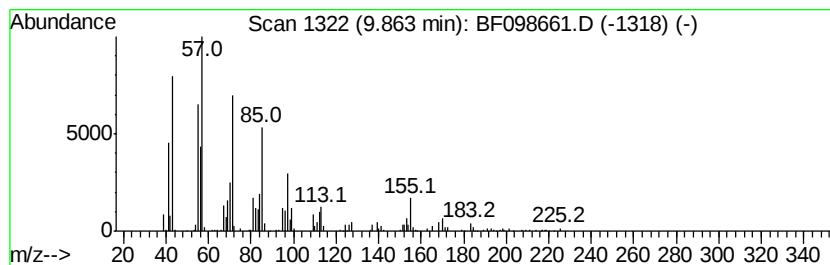
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Bacchotricuneatin c Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	17.07 ng	795175	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	98
2		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
3		Nonadecane	268	C19H40	000629-92-5	86
4		Undecane, 2-methyl-	170	C12H26	007045-71-8	86
5		Dodecane	170	C12H26	000112-40-3	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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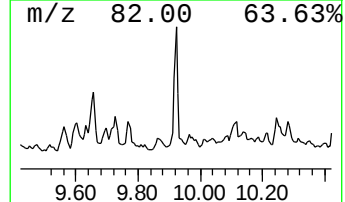
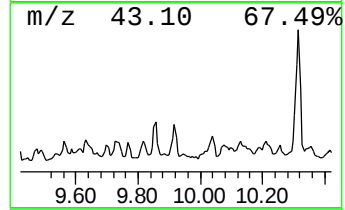
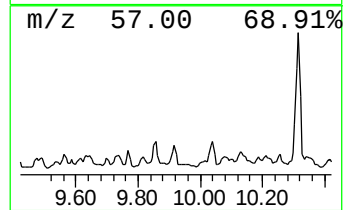
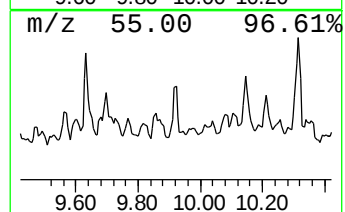
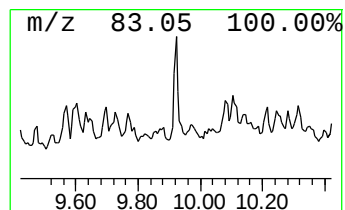
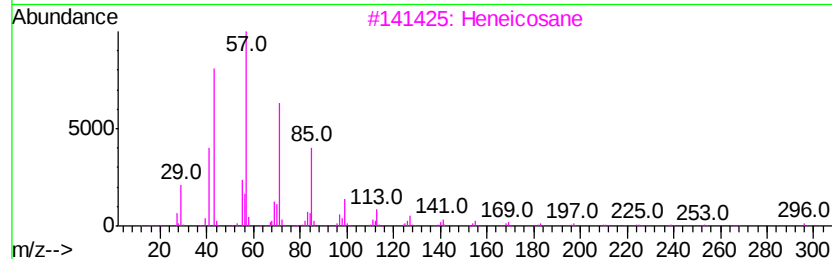
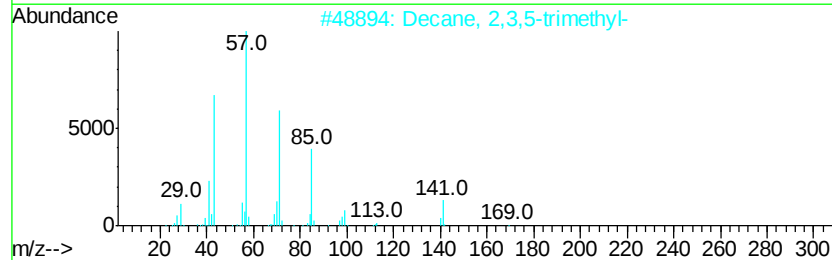
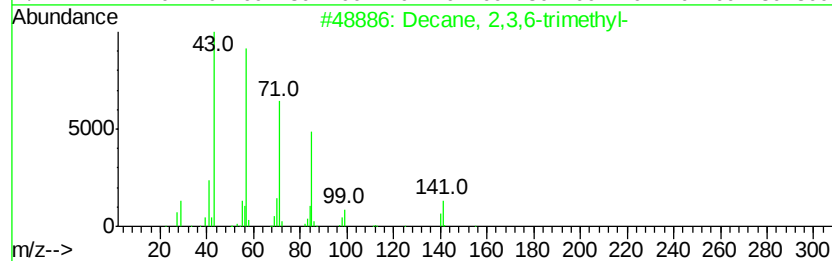
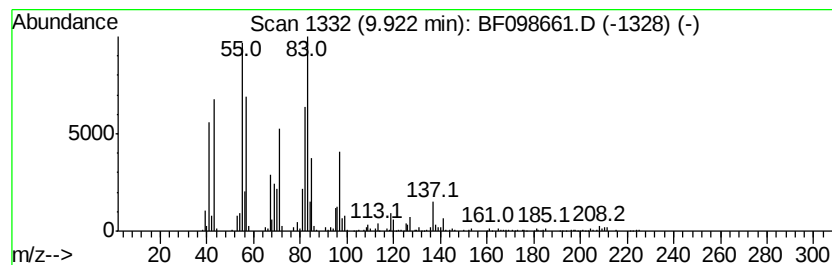
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Decane, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	19.43 ng	905389	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	52
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	52
3		Heneicosane	296	C21H44	000629-94-7	52
4		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	49
5		Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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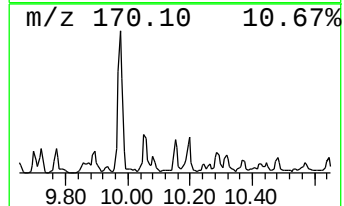
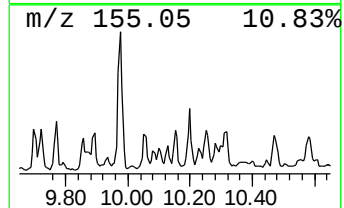
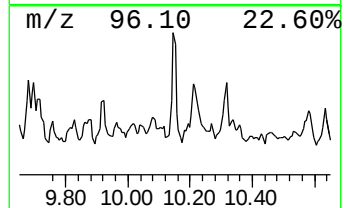
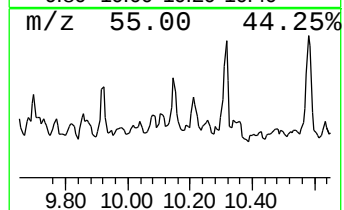
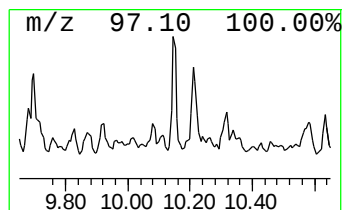
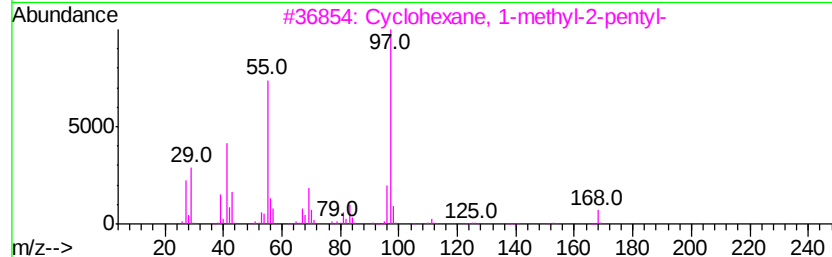
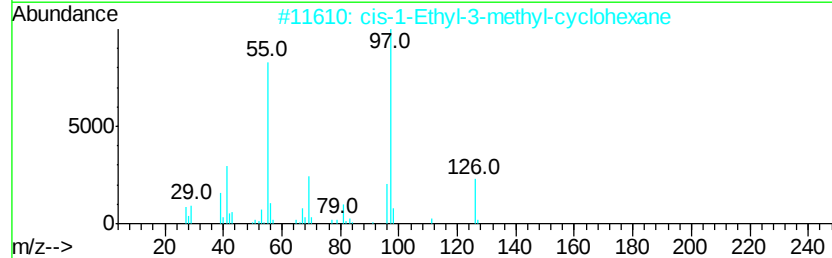
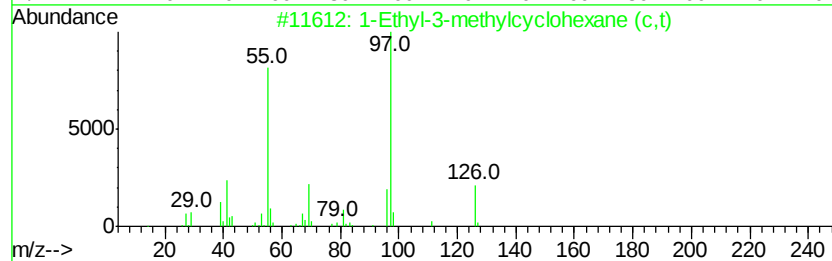
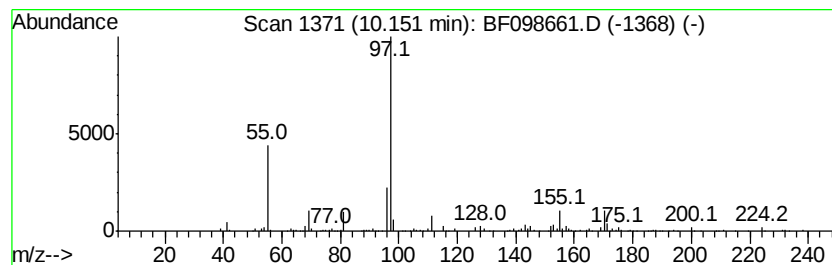
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Ethyl-3-methylcyclohexane... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	12.99 ng	605162	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	78
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	78
3		Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	78
4		2-Hexenoic acid, 4-methylphenyl ...	204	C13H16O2	069687-91-8	64
5		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

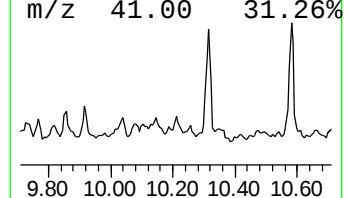
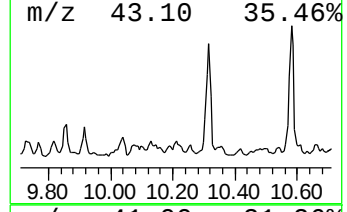
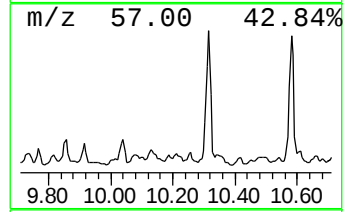
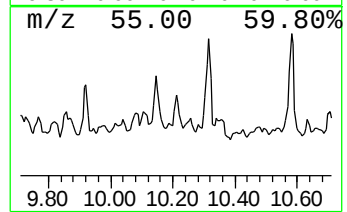
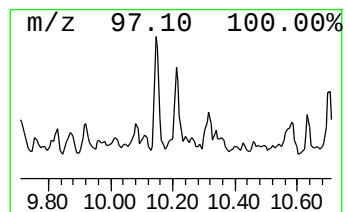
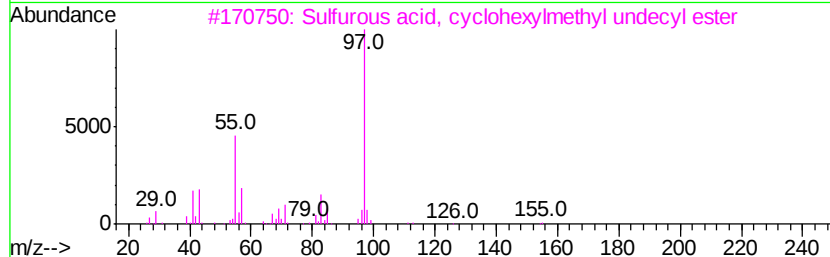
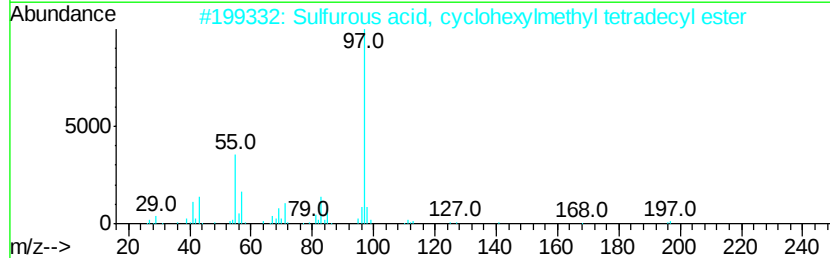
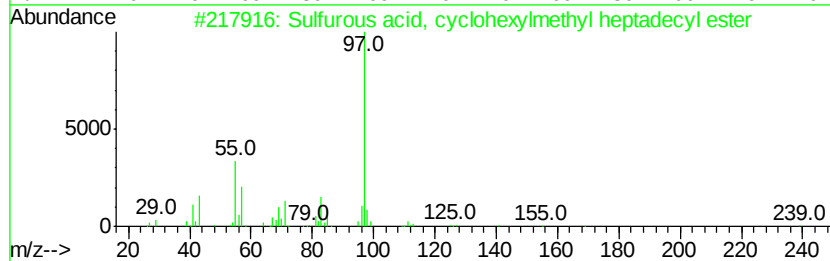
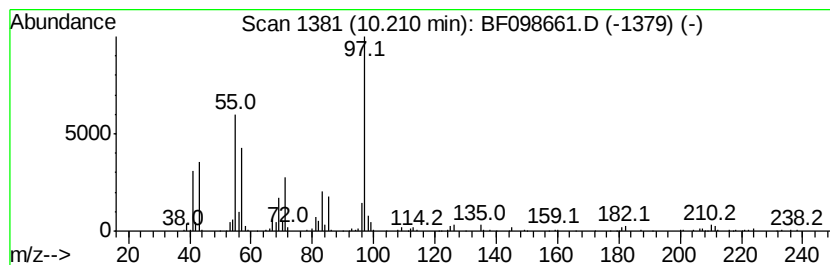
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Sulfurous acid, cyclohexylm... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	10.38 ng	483700	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethvl...	416	C24H48O3S	1000309-22-5	86
2		Sulfurous acid, cvclohexylmethvl...	374	C21H42O3S	1000309-22-2	80
3		Sulfurous acid, cvclohexylmethvl...	332	C18H36O3S	1000309-21-9	80
4		Sulfurous acid, cvclohexylmethvl...	430	C25H50O3S	1000309-22-6	80
5		Sulfurous acid, cyclohexylmethvl...	402	C23H46O3S	1000309-22-4	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

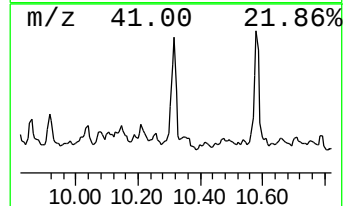
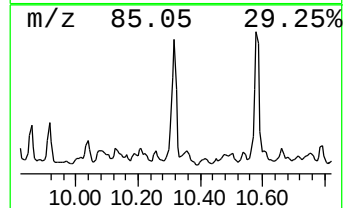
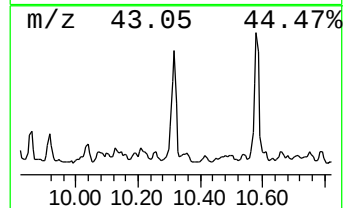
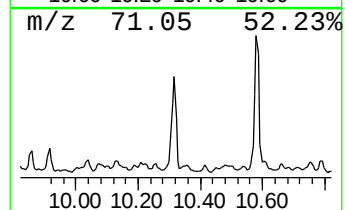
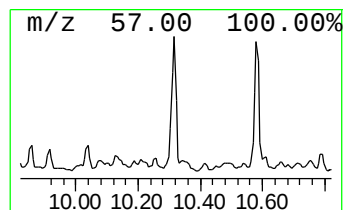
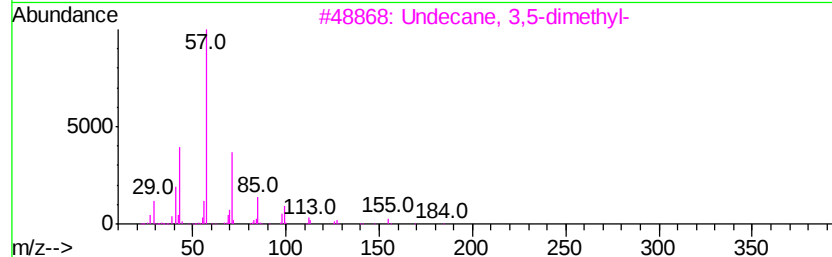
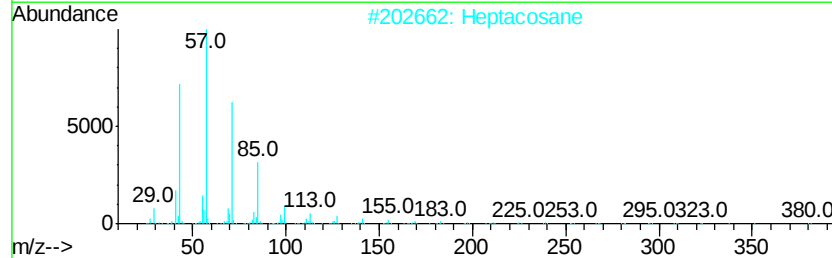
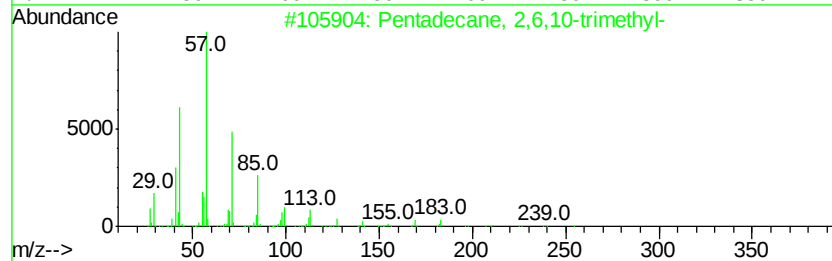
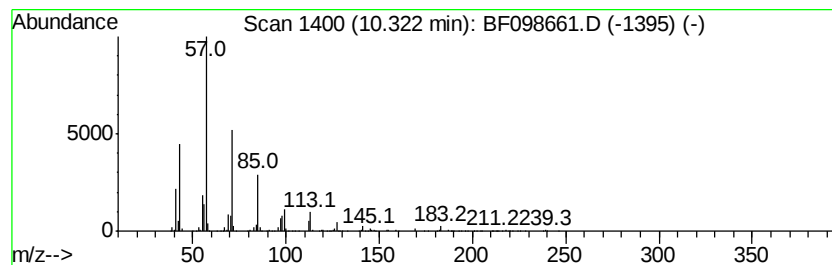
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pentadecane, 2,6,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	53.08 ng	2472560	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2		Heptacosane	380	C27H56	000593-49-7	83
3		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	81
4		Heneicosane	296	C21H44	000629-94-7	80
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
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Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

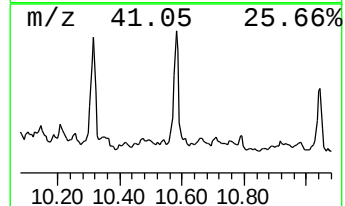
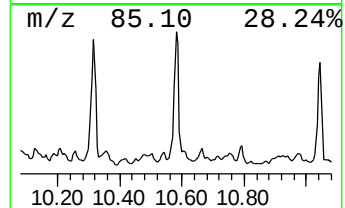
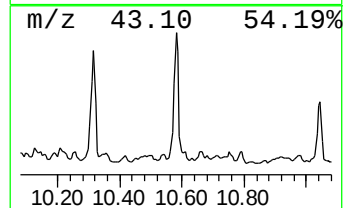
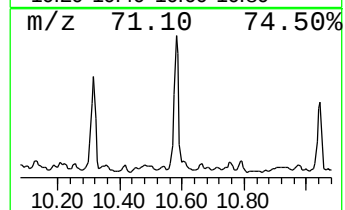
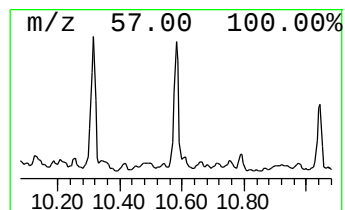
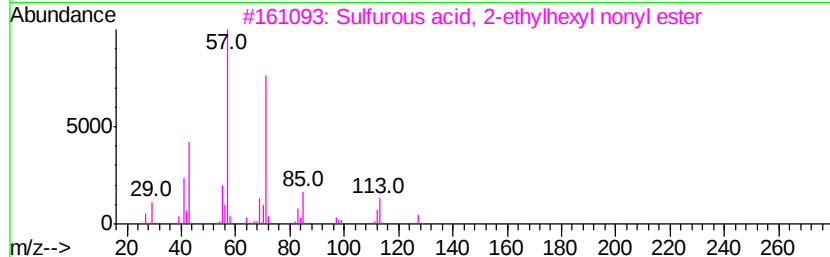
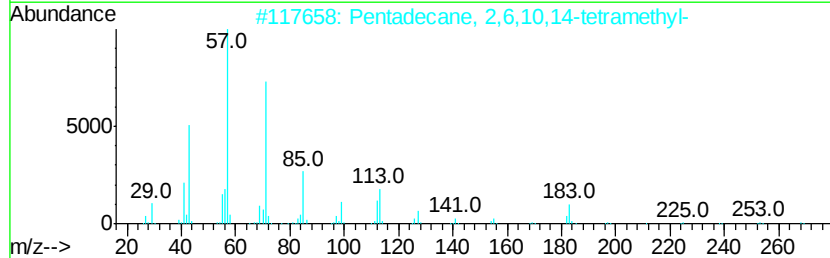
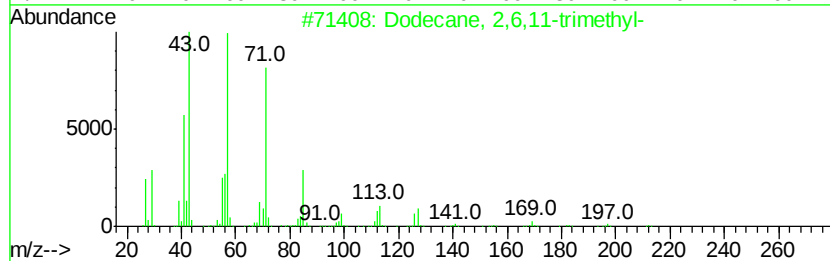
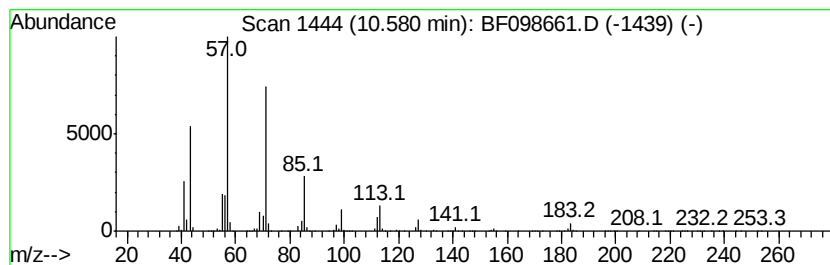
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Dodecane, 2,6,11-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	100.19 ng	3294510	Phenanthrene-d10	11.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
3		Sulfurous acid, 2-ethylhexyl nonyl...	320	C17H36O3S	1000309-19-2	80
4		5,5-Dibutylnonane	240	C17H36	006008-17-9	78
5		Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

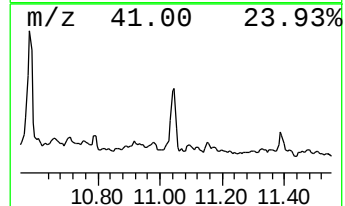
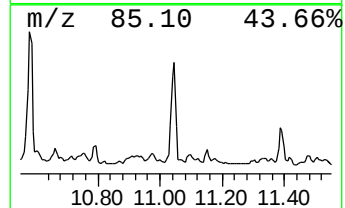
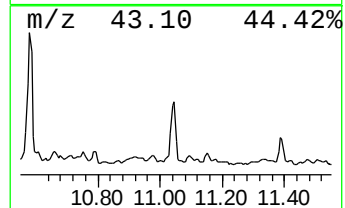
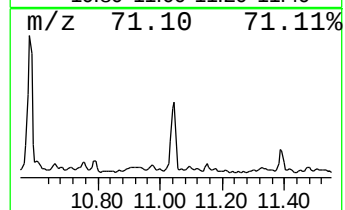
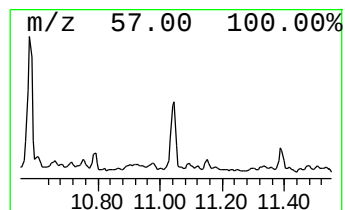
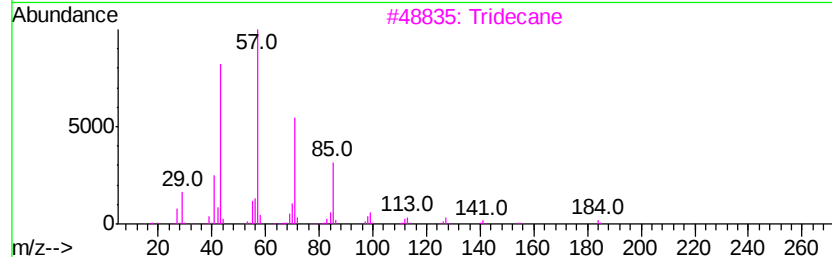
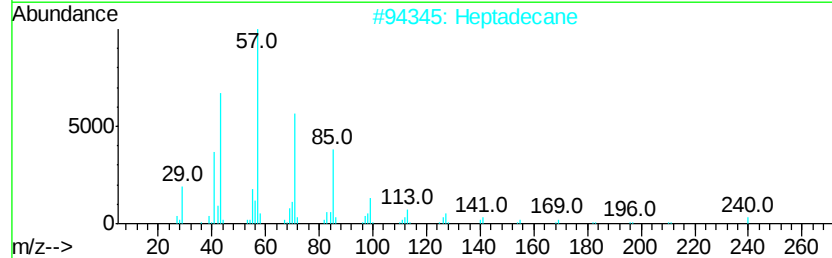
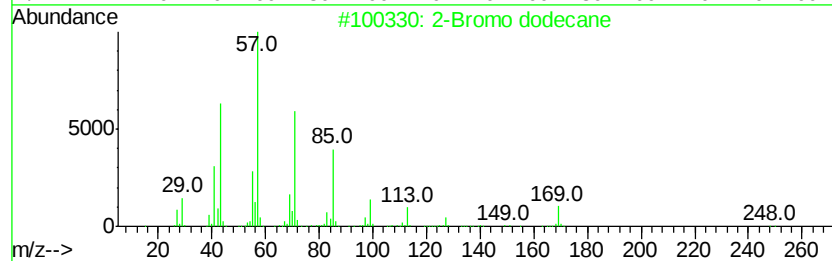
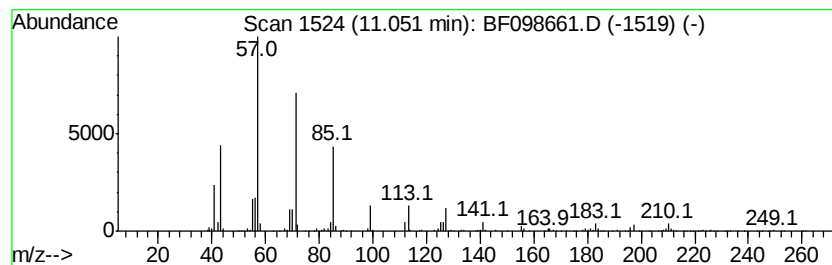
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2-Bromo dodecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	55.43 ng	1822690	Phenanthrene-d10	11.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Bromo dodecane	248	C12H25Br	013187-99-0	90
2		Heptadecane	240	C17H36	000629-78-7	90
3		Tridecane	184	C13H28	000629-50-5	86
4		Eicosane	282	C20H42	000112-95-8	86
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

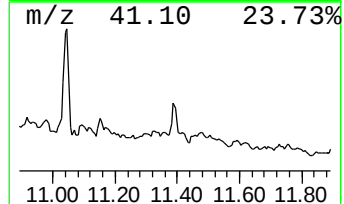
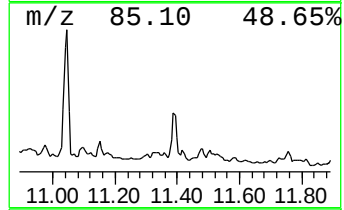
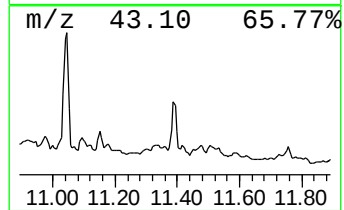
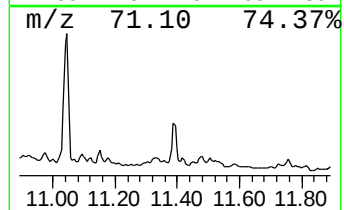
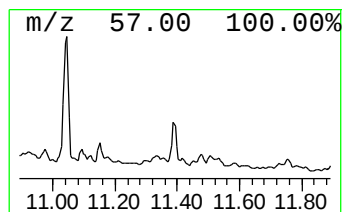
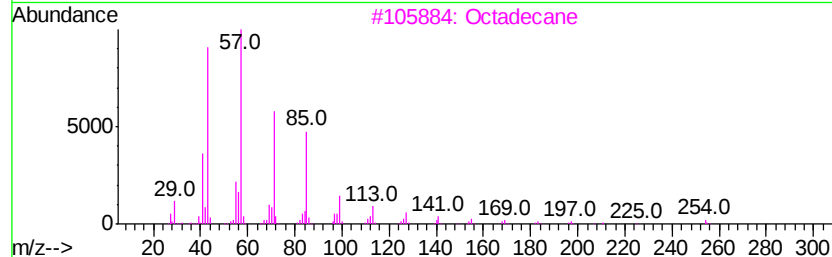
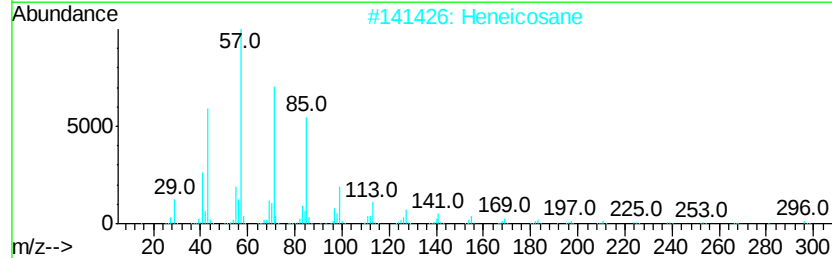
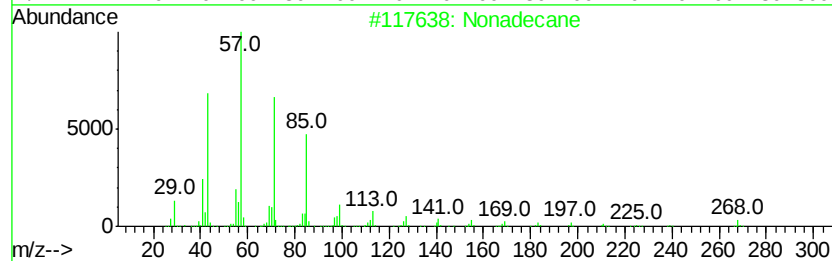
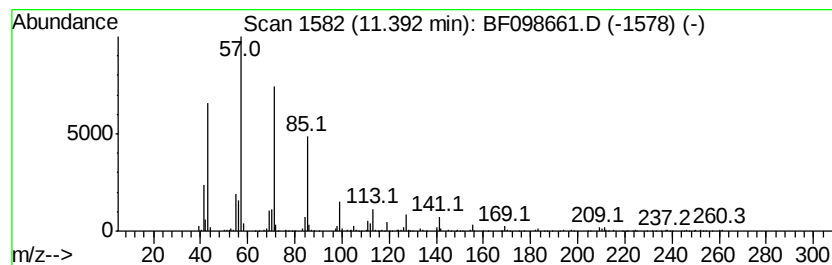
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	16.28 ng	535366	Phenanthrene-d10	11.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	91
2		Heneicosane	296	C21H44	000629-94-7	90
3		Octadecane	254	C18H38	000593-45-3	90
4		Heptacosane	380	C27H56	000593-49-7	90
5		Tetracosane	338	C24H50	000646-31-1	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098661.D
Acq On : 20 Sep 2017 15:45
Operator : SJ/JU
Sample : I5281-09 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2

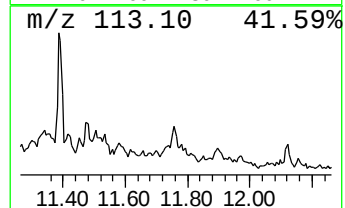
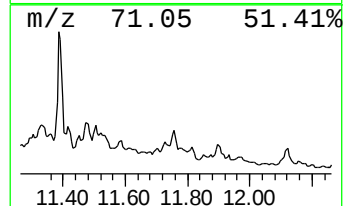
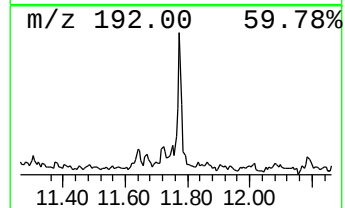
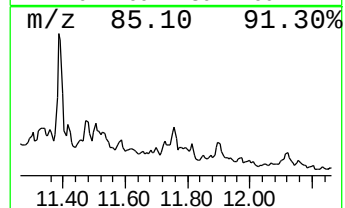
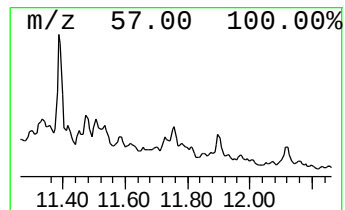
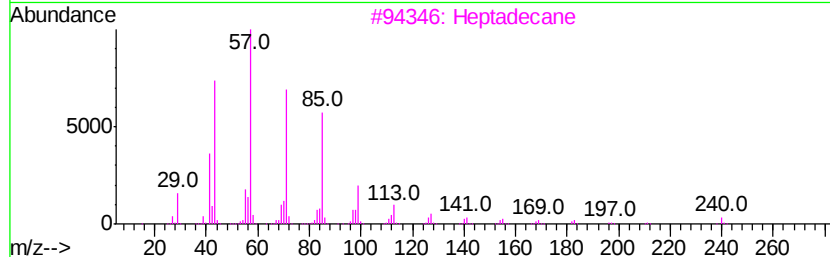
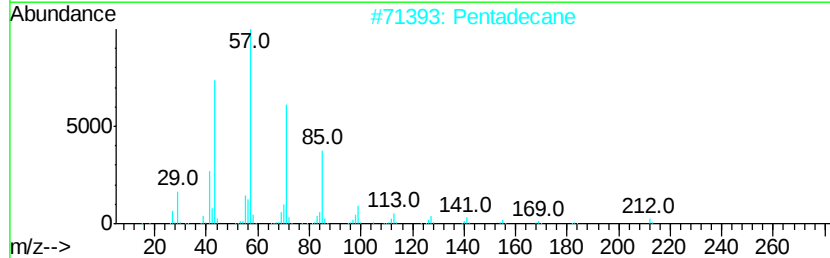
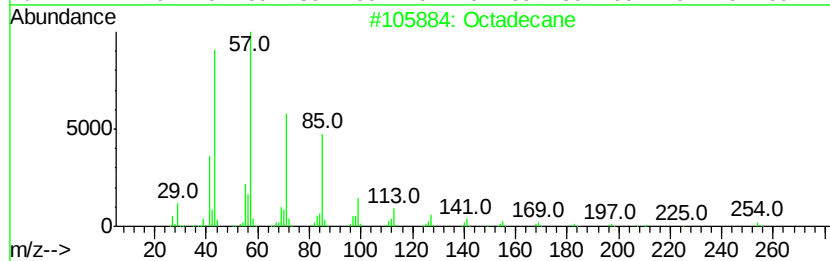
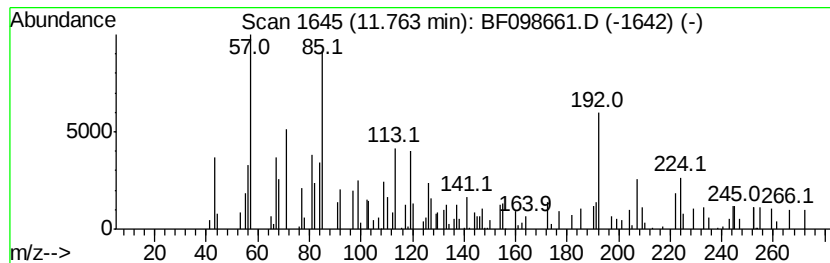
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	10.87 ng	357285	Phenanthrene-d10	11.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	76
2		Pentadecane	212	C15H32	000629-62-9	68
3		Heptadecane	240	C17H36	000629-78-7	64
4		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	64
5		Sulfurous acid, butyl octadecyl ...	390	C22H46O3S	1000309-18-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
 Data File : BF098661.D
 Acq On : 20 Sep 2017 15:45
 Operator : SJ/JU
 Sample : I5281-09 100X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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
Cyclohexane, 1-me...	6.35	10.8	ng	432386	1	6.62	802879	20.0
Cyclohexane, (2-m...	6.76	16.3	ng	653963	1	6.62	802879	20.0
Cyclohexane, 1-et...	7.16	29.3	ng	1177670	1	6.62	802879	20.0
Sulfurous acid, c...	7.20	16.8	ng	673085	1	6.62	802879	20.0
Cyclohexane, pentyl-	7.52	20.7	ng	2540920	2	7.90	2453090	20.0
Cyclohexane, (4-m...	8.20	17.8	ng	2179190	2	7.90	2453090	20.0
Hexadecane, 7,9-d...	8.34	28.9	ng	3550320	2	7.90	2453090	20.0
unknown8.60	8.60	12.1	ng	1479070	2	7.90	2453090	20.0
Heptylcyclohexane	8.82	35.2	ng	1641370	3	9.66	931716	20.0
Dodecane, 2,7,10-...	8.93	45.7	ng	2127030	3	9.66	931716	20.0
Tetradecane	9.39	53.8	ng	2507250	3	9.66	931716	20.0
Bacchotricuneatin c	9.86	17.1	ng	795175	3	9.66	931716	20.0
Decane, 2,3,6-tri...	9.92	19.4	ng	905389	3	9.66	931716	20.0
1-Ethyl-3-methylc...	10.15	13.0	ng	605162	3	9.66	931716	20.0
Sulfurous acid, c...	10.21	10.4	ng	483700	3	9.66	931716	20.0
Pentadecane, 2,6,...	10.32	53.1	ng	2472560	3	9.66	931716	20.0
Dodecane, 2,6,11-...	10.58	100.2	ng	3294510	4	11.14	657649	20.0
2-Bromo dodecane	11.05	55.4	ng	1822690	4	11.14	657649	20.0
Nonadecane	11.39	16.3	ng	535366	4	11.14	657649	20.0
Octadecane	11.76	10.9	ng	357285	4	11.14	657649	20.0