

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079389.D
 Acq On : 20 May 2015 20:26
 Operator : TP/IZ
 Sample : G2303-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2DEPTH

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-BF043015.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	1.735	46	48	85	rVB	2800802	5307097	41.53%	1.609%
2	5.370	364	366	369	rBV	1173996	1381498	10.81%	0.419%
3	6.662	476	479	481	rVV	1512313	1590249	12.45%	0.482%
4	6.799	489	491	493	rVV	1725193	1699039	13.30%	0.515%
5	7.233	527	529	531	rBV	1387604	1977968	15.48%	0.600%
6	7.279	531	533	539	rVB2	1104132	1895843	14.84%	0.575%
7	7.496	550	552	554	rBV	1625380	1661358	13.00%	0.504%
8	7.587	557	560	564	rVB3	782795	1468157	11.49%	0.445%
9	7.759	572	575	576	rBV2	1201874	1349781	10.56%	0.409%
10	7.862	582	584	586	rBV	2790422	2930328	22.93%	0.889%
11	8.079	602	603	607	rVB	2248078	2339797	18.31%	0.709%
12	8.216	611	615	618	rBV3	1365042	2973066	23.27%	0.902%
13	8.273	618	620	622	rVB	1189780	1360798	10.65%	0.413%
14	8.353	625	627	629	rVB2	2539160	3124945	24.46%	0.948%
15	8.399	629	631	634	rVB3	2345556	2979564	23.32%	0.903%
16	8.456	634	636	639	rBV2	1826753	3690916	28.88%	1.119%
17	8.525	639	642	648	rVB2	702828	1564541	12.24%	0.474%
18	8.696	648	657	659	rBV3	4868518	12778192	100.00%	3.875%
19	8.787	663	665	669	rVB2	2308318	2735014	21.40%	0.829%
20	8.913	674	676	679	rBV3	1835525	2518054	19.71%	0.764%
21	9.028	683	686	687	rBV2	979061	1302058	10.19%	0.395%
22	9.050	687	688	690	rBV2	943836	1423399	11.14%	0.432%
23	9.096	690	692	694	rVB2	1365996	2277894	17.83%	0.691%
24	9.142	694	696	697	rBV	1832746	2695348	21.09%	0.817%
25	9.188	699	700	702	rVB2	1501917	1282481	10.04%	0.389%
26	9.233	702	704	708	rBV3	3060859	5486968	42.94%	1.664%
27	9.302	708	710	712	rBV	2761488	3330927	26.07%	1.010%
28	9.359	712	715	718	rVB4	737019	1866272	14.61%	0.566%
29	9.450	720	723	725	rBV	4824000	8449428	66.12%	2.562%
30	9.496	725	727	729	rVB	1966673	1903065	14.89%	0.577%
31	9.553	729	732	735	rVB3	2123326	4550221	35.61%	1.380%
32	9.679	739	743	744	rBV3	1809649	3844126	30.08%	1.166%
33	9.702	744	745	747	rVB2	2618910	2833253	22.17%	0.859%
34	9.736	747	748	750	rVB	1271917	1697201	13.28%	0.515%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
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35	9.805	750	754	757	rBV5	2043810	6865114	53.73%	2.082%
36	9.862	757	759	761	rVB3	1678461	2383220	18.65%	0.723%
37	9.908	761	763	764	rVB	2090102	2230073	17.45%	0.676%
38	9.953	764	767	768	rBV3	2129857	2736475	21.42%	0.830%
39	9.988	768	770	772	rVB2	2809590	2985311	23.36%	0.905%
40	10.045	774	775	778	rVB3	992118	1366404	10.69%	0.414%
41	10.171	783	786	787	rBV	4538051	6146294	48.10%	1.864%
42	10.205	787	789	791	rVB	1994233	1936638	15.16%	0.587%
43	10.239	791	792	795	rVB2	1256732	1774535	13.89%	0.538%
44	10.342	799	801	804	rBV	2974263	5446980	42.63%	1.652%
45	10.433	806	809	810	rBV2	2441840	3404584	26.64%	1.032%
46	10.468	810	812	814	rVV3	2471698	3062974	23.97%	0.929%
47	10.559	816	820	821	rBV3	3895650	7818243	61.18%	2.371%
48	10.685	828	831	832	rVB3	1315177	1992265	15.59%	0.604%
49	10.788	837	840	841	rBV3	772915	1709614	13.38%	0.518%
50	10.833	841	844	850	rBV4	4737046	11475906	89.81%	3.480%
51	10.993	856	858	861	rBV	2005950	3403074	26.63%	1.032%
52	11.119	865	869	870	rVV	2739454	5076366	39.73%	1.539%
53	11.165	870	873	876	rVV3	2139536	5382395	42.12%	1.632%
54	11.222	876	878	880	rVV3	2716142	3599627	28.17%	1.091%
55	11.256	880	881	883	rVV2	1958168	3107884	24.32%	0.942%
56	11.371	886	891	896	rBV6	1844689	6072374	47.52%	1.841%
57	11.462	896	899	900	rBV	4038776	7329337	57.36%	2.222%
58	11.576	907	909	910	rBV	1817258	2573115	20.14%	0.780%
59	11.725	917	922	923	rBV2	3292801	6400686	50.09%	1.941%
60	11.816	929	930	931	rBV	1662674	1956834	15.31%	0.593%
61	12.045	947	950	953	rBV2	3899402	10550883	82.57%	3.199%
62	12.274	967	970	972	rBV2	1484828	3758985	29.42%	1.140%
63	12.354	975	977	979	rBV2	1228527	1376276	10.77%	0.417%
64	12.388	979	980	983	rVV3	1298417	1874608	14.67%	0.568%
65	12.434	983	984	986	rVB2	1303072	1393775	10.91%	0.423%
66	12.605	996	999	1000	rBV	3998828	6472914	50.66%	1.963%
67	12.639	1000	1002	1004	rVB	3474841	4470626	34.99%	1.356%
68	12.765	1011	1013	1015	rBV3	1082245	1386984	10.85%	0.421%
69	12.811	1015	1017	1020	rBV2	1107961	2837269	22.20%	0.860%
70	12.971	1029	1031	1033	rBV	796260	1397478	10.94%	0.424%
71	13.062	1037	1039	1041	rVB	1493476	1796199	14.06%	0.545%

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Integration Parameters: rteint.p
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 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
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72	13.131	1042	1045	1047	rVV	4039638	6870238	53.77%	2.083%
73	13.177	1047	1049	1051	rVB2	873134	1255142	9.82%	0.381%
74	13.325	1059	1062	1063	rBV3	1791079	3089206	24.18%	0.937%
75	13.359	1063	1065	1068	rVV	1696438	2612355	20.44%	0.792%
76	13.439	1071	1072	1075	rVV2	1692867	2889950	22.62%	0.876%
77	13.485	1075	1076	1078	rVB	1078368	1272449	9.96%	0.386%
78	13.645	1086	1090	1092	rVB	3707762	6136133	48.02%	1.861%
79	13.817	1103	1105	1109	rBV2	705976	1387922	10.86%	0.421%
80	13.919	1112	1114	1115	rVV	840272	1361675	10.66%	0.413%
81	14.011	1118	1122	1123	rVV2	1440949	2988307	23.39%	0.906%
82	14.045	1123	1125	1127	rVV2	1110951	1366449	10.69%	0.414%
83	14.125	1127	1132	1137	rVB2	4806592	10485979	82.06%	3.180%
84	14.239	1140	1142	1144	rVB	1080584	1301868	10.19%	0.395%
85	14.319	1144	1149	1153	rBV4	1549857	4505848	35.26%	1.366%
86	14.411	1155	1157	1160	rBV3	896799	1302969	10.20%	0.395%
87	14.525	1165	1167	1169	rBV2	963412	1415571	11.08%	0.429%
88	14.582	1169	1172	1175	rVB2	3883617	5391337	42.19%	1.635%
89	14.685	1178	1181	1182	rBV2	1345016	1802719	14.11%	0.547%
90	15.028	1208	1211	1215	rVV2	3336887	4842839	37.90%	1.468%
91	15.451	1245	1248	1250	rVB	2795482	3181061	24.89%	0.965%
92	15.874	1282	1285	1287	rBV	1833852	2656942	20.79%	0.806%
93	15.977	1291	1294	1299	rVV5	670842	2406785	18.84%	0.730%
94	16.274	1318	1320	1324	rVB	1553174	2437094	19.07%	0.739%
95	16.685	1353	1356	1362	rVB	1373712	2420118	18.94%	0.734%
96	17.085	1388	1391	1393	rBV2	1042375	1405186	11.00%	0.426%
97	17.154	1394	1397	1401	rVB2	1609779	2968039	23.23%	0.900%
98	17.234	1401	1404	1406	rBV2	812685	1534745	12.01%	0.465%
99	17.485	1423	1426	1428	rBV	967183	1454396	11.38%	0.441%
100	17.886	1458	1461	1466	rVB	689350	1224070	9.58%	0.371%

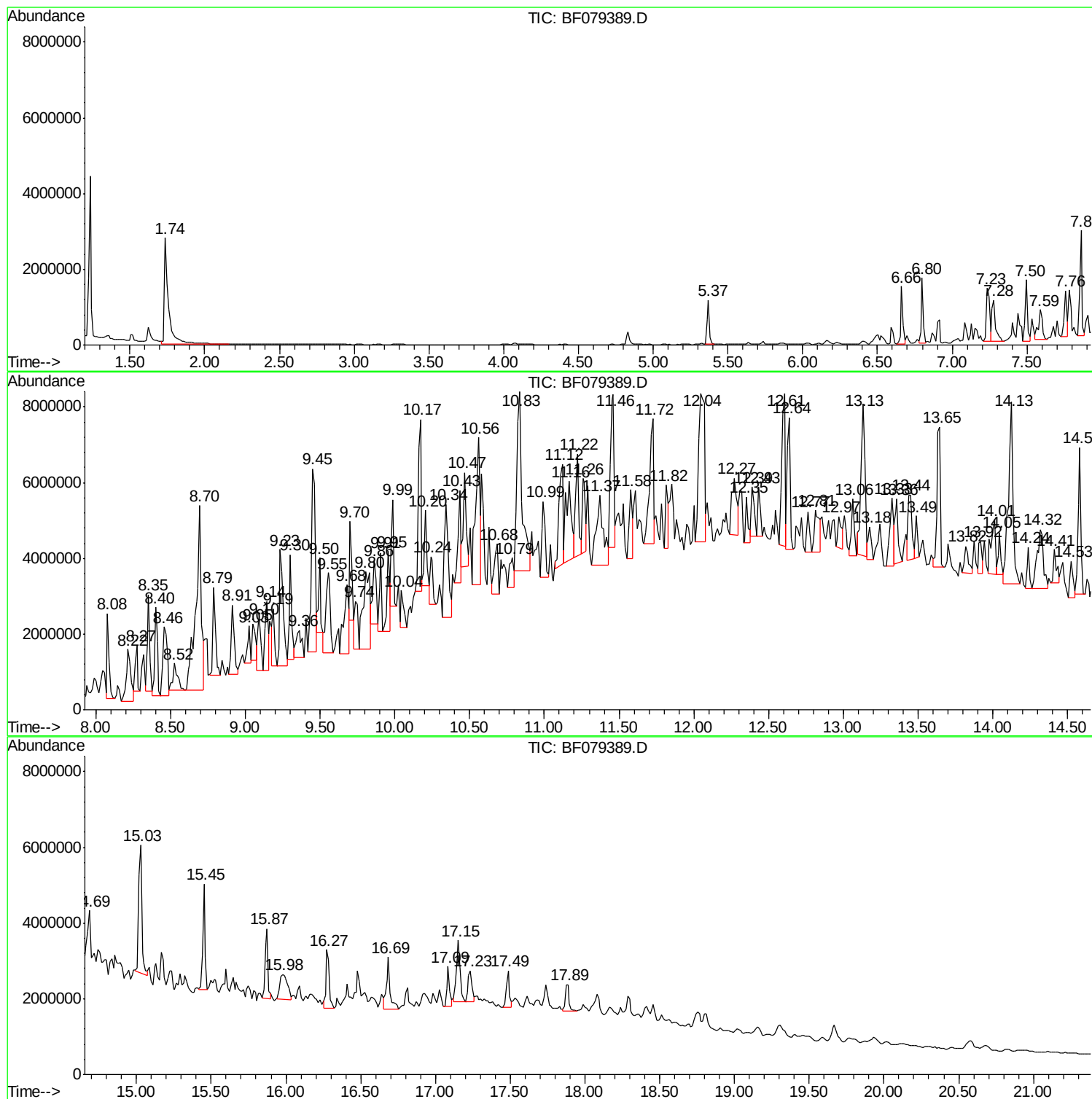
Sum of corrected areas: 329788557

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Instrument :
BNA_F
ClientSampled :
2DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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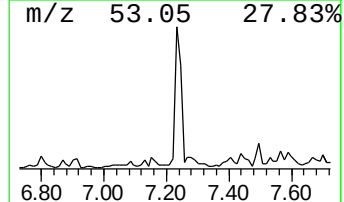
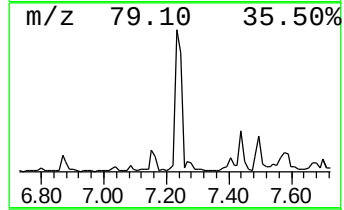
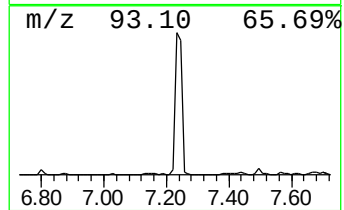
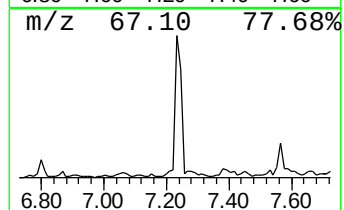
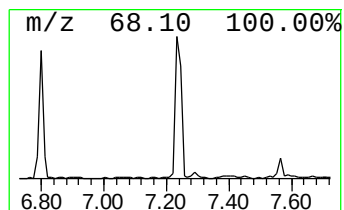
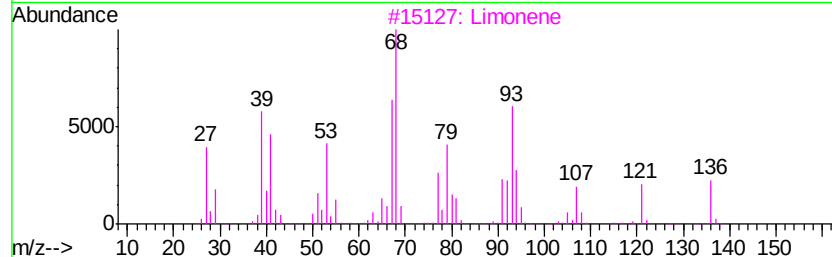
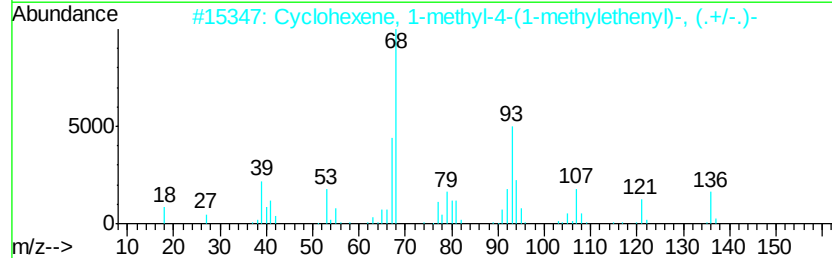
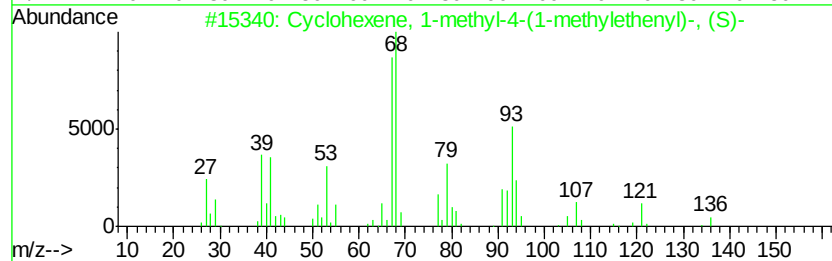
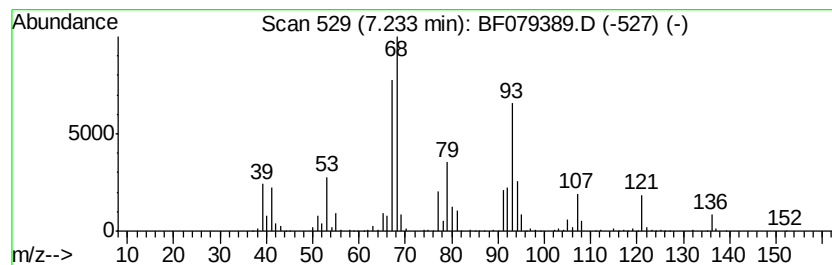
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	20.00 ng	1977970	1,4-Dichlorobenzene-d4	7.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-methyl-4-(1-methyl-4-(1-methylethenyl)-, (S)-	136	C10H16	005989-54-8	95
2		Cyclohexene, 1-methyl-4-(1-methyl-4-(1-methylethenyl)-, (S)-	136	C10H16	007705-14-8	94
3		Limonene	136	C10H16	000138-86-3	93
4		D-Limonene	136	C10H16	005989-27-5	93
5		Cyclohexene, 1-methyl-5-(1-methyl-4-(1-methylethenyl)-, (S)-	136	C10H16	013898-73-2	90



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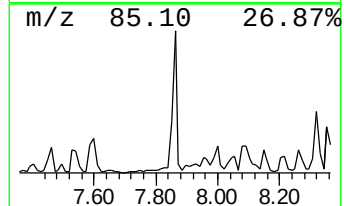
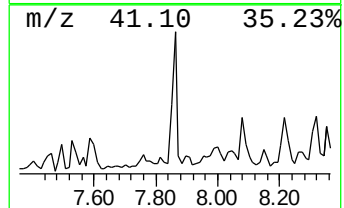
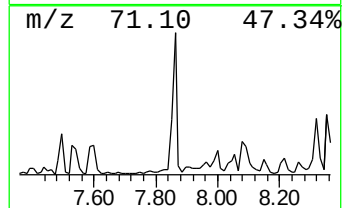
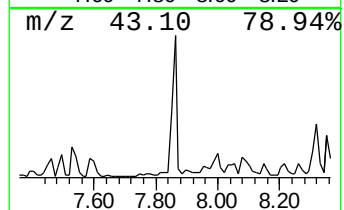
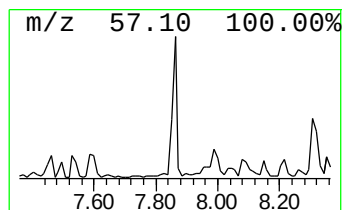
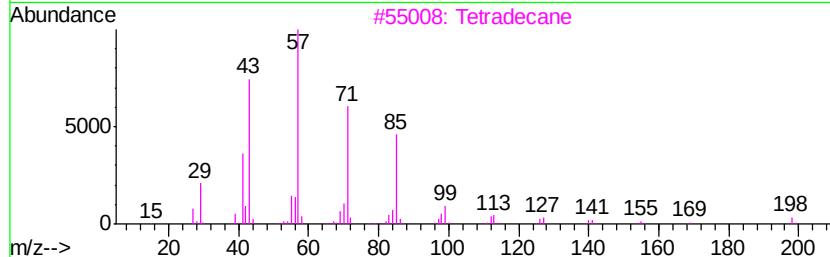
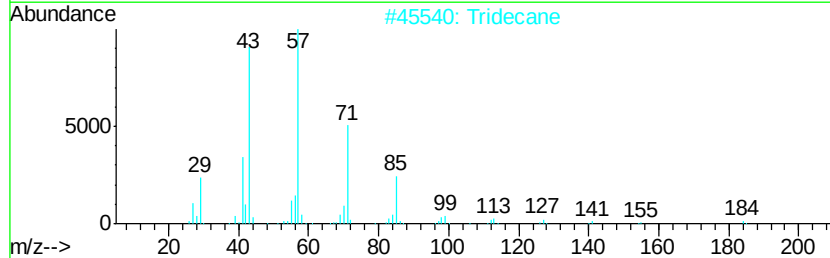
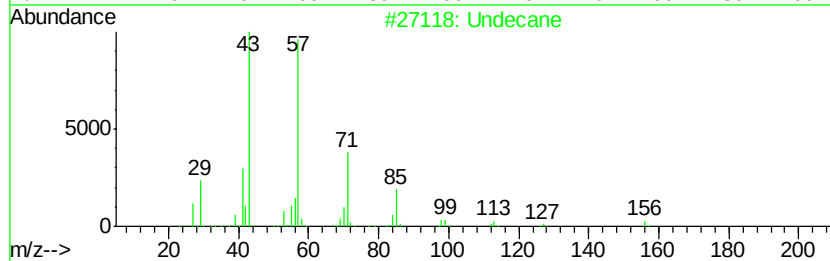
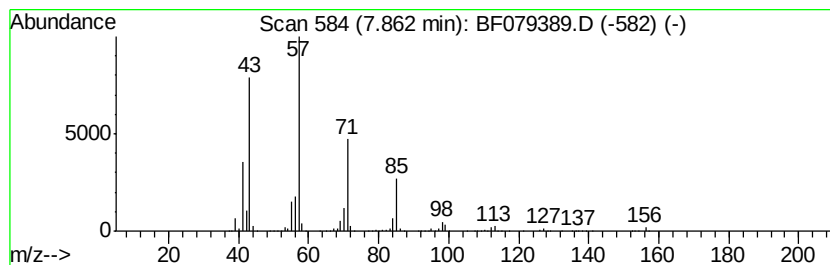
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Undecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	29.63 ng	2930330	1,4-Dichlorobenzene-d4	7.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	87
2	Tridecane		184	C13H28	000629-50-5	86
3	Tetradecane		198	C14H30	000629-59-4	83
4	Decane, 6-ethyl-2-methyl-		184	C13H28	062108-21-8	83
5	Decane, 2-methyl-		156	C11H24	006975-98-0	80



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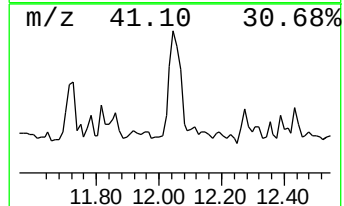
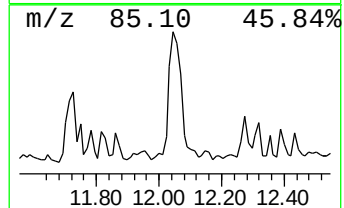
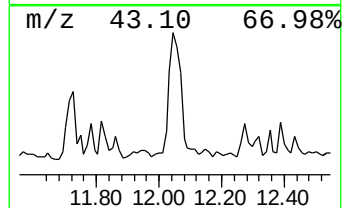
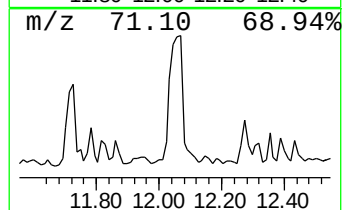
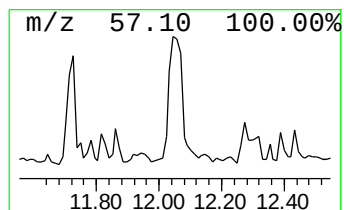
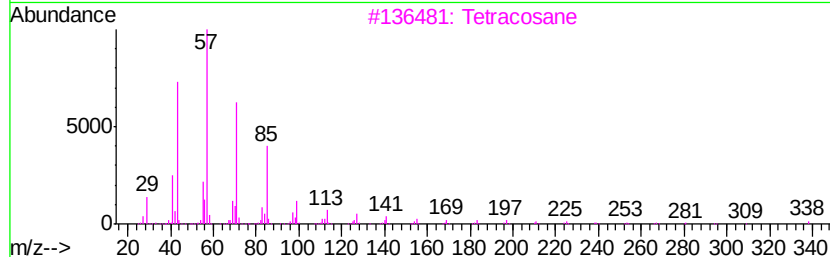
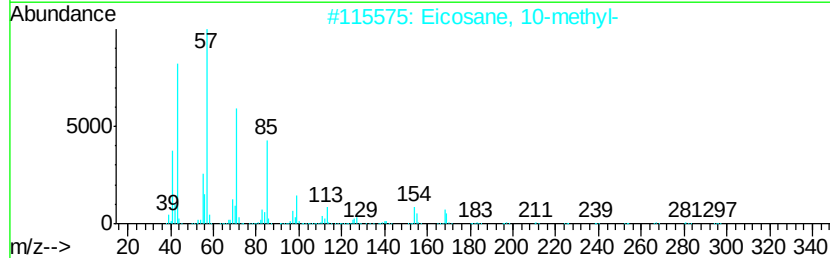
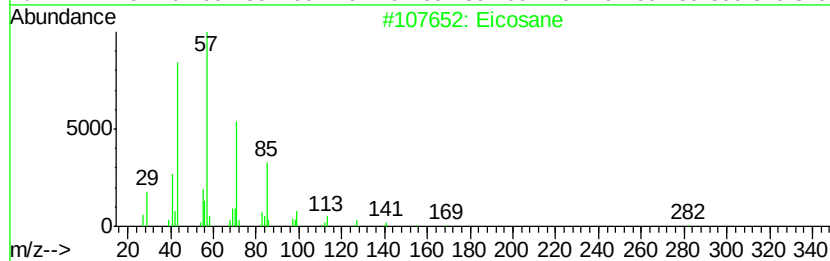
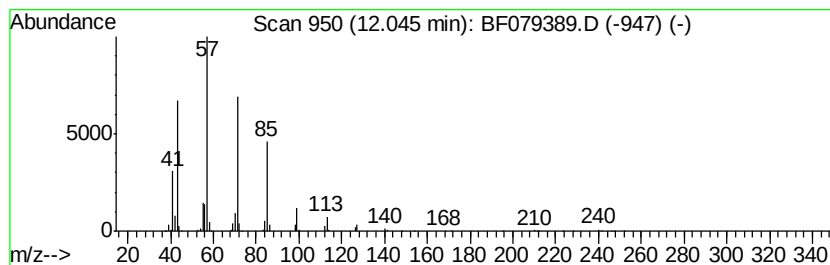
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Eicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	47.20 ng	10550900	Phenanthrene-d10	12.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	90
2	Eicosane, 10-methyl-		296	C21H44	054833-23-7	86
3	Tetracosane		338	C24H50	000646-31-1	83
4	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	83
5	Octacosane		394	C28H58	000630-02-4	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
Operator : TP/IZ
Sample : G2303-02
Misc :
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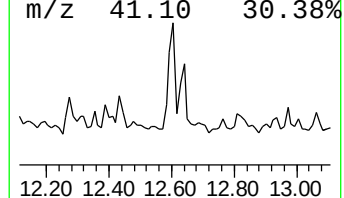
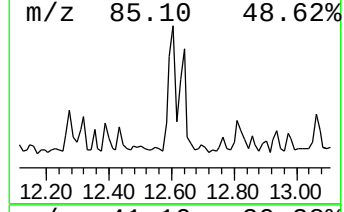
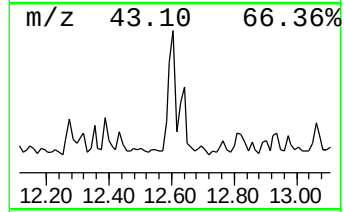
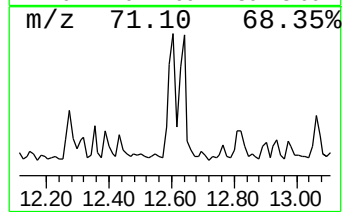
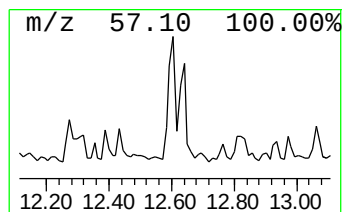
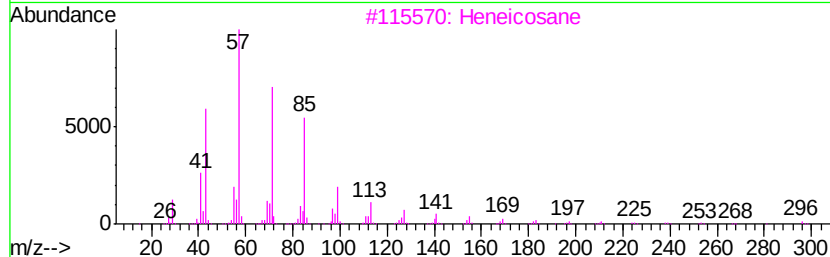
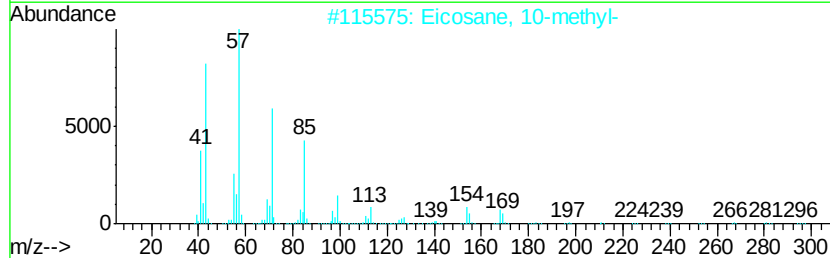
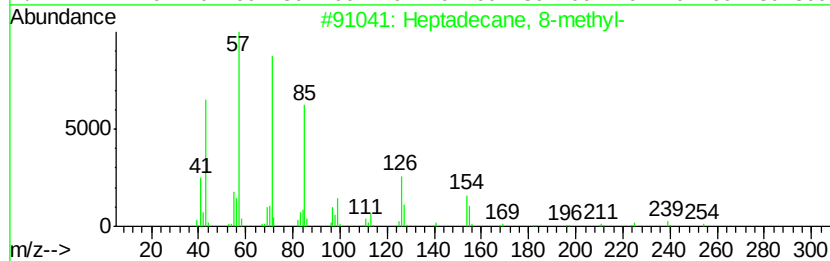
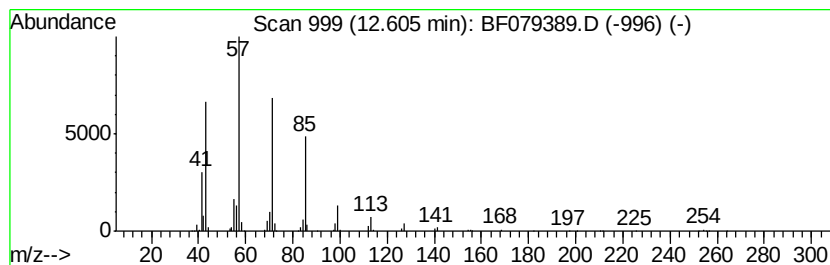
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptadecane, 8-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	28.96 ng	6472910	Phenanthrene-d10	12.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90	
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86	
3	Heneicosane	296	C21H44	000629-94-7	83	
4	Octacosane	394	C28H58	000630-02-4	83	
5	Decane, 3-methyl-	156	C11H24	013151-34-3	80	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079389.D
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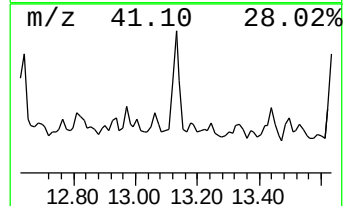
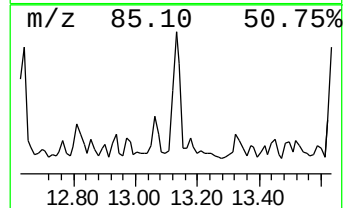
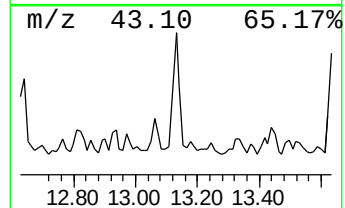
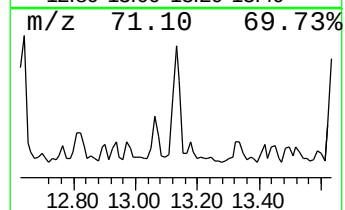
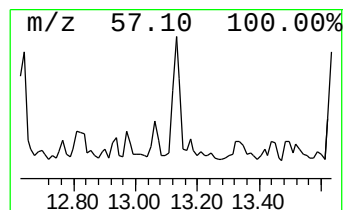
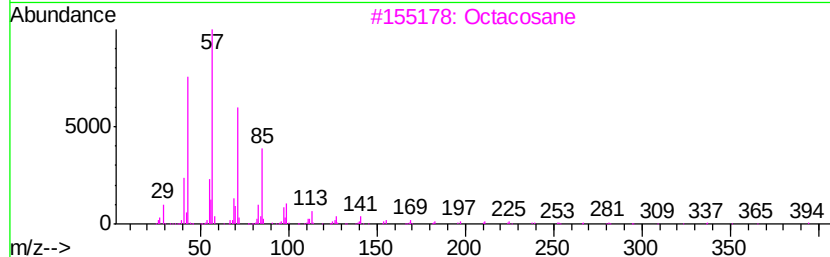
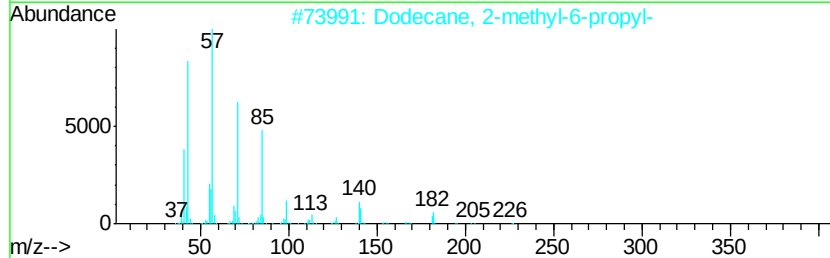
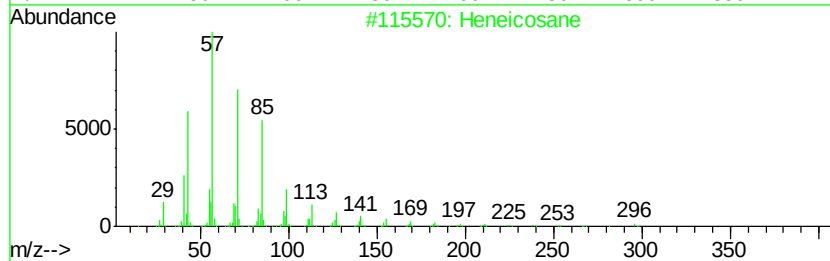
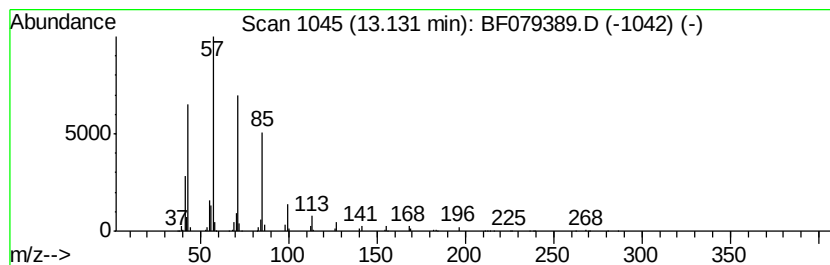
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	30.74 ng	6870240	Phenanthrene-d10	12.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	83
2	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	83
3	Octacosane		394	C28H58	000630-02-4	83
4	Eicosane		282	C20H42	000112-95-8	80
5	Pentadecane		212	C15H32	000629-62-9	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
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Misc :
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ClientSampleId :
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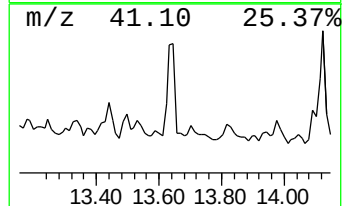
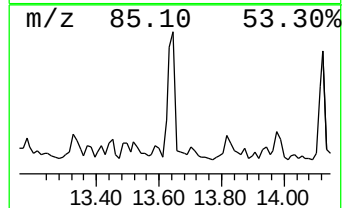
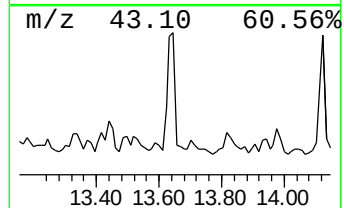
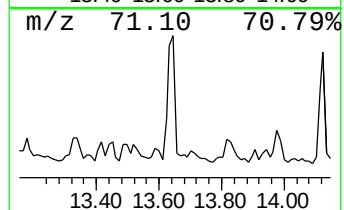
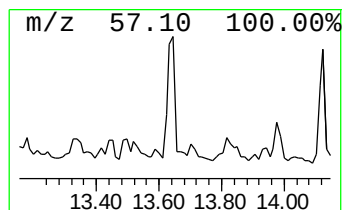
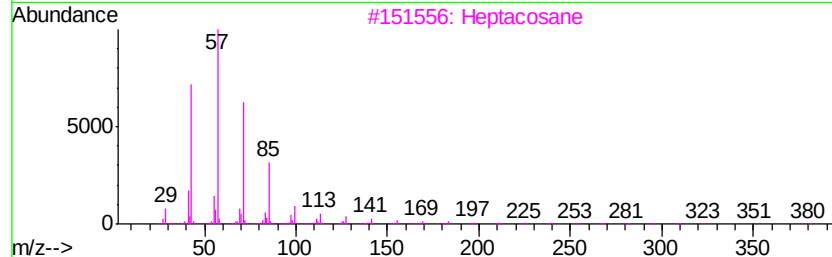
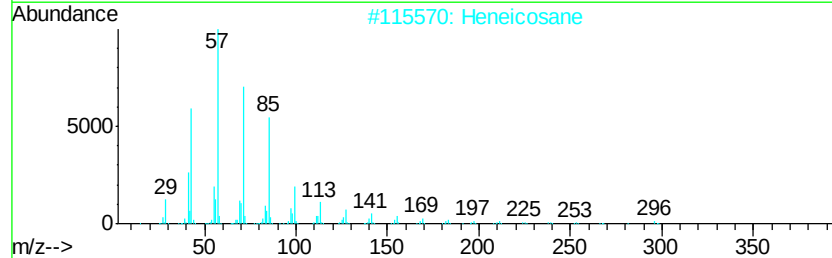
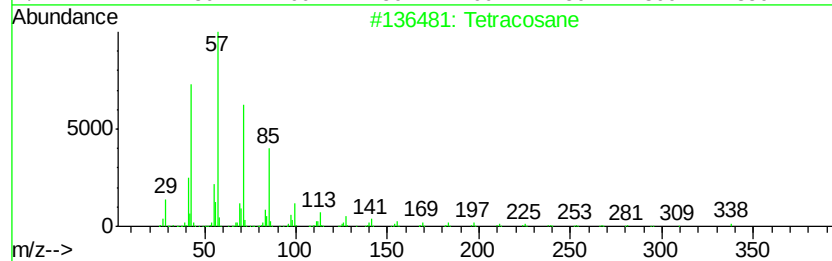
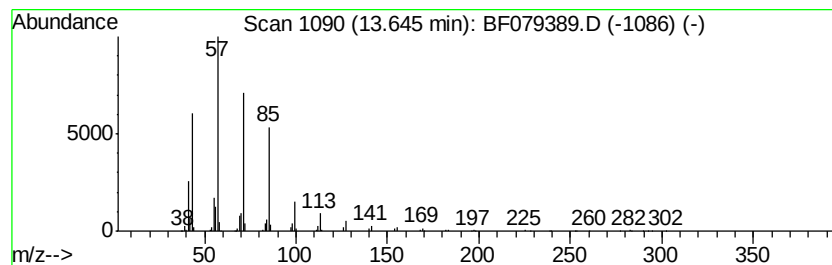
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	27.45 ng	6136130	Phenanthrene-d10	12.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosane	338	C24H50	000646-31-1	83
2		Heneicosane	296	C21H44	000629-94-7	83
3		Heptacosane	380	C27H56	000593-49-7	80
4		Eicosane	282	C20H42	000112-95-8	76
5		Nonadecane	268	C19H40	000629-92-5	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
Operator : TP/IZ
Sample : G2303-02
Misc :
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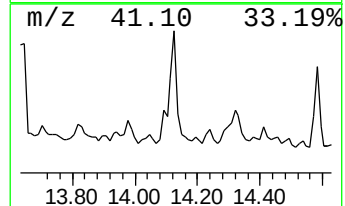
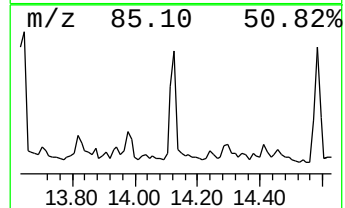
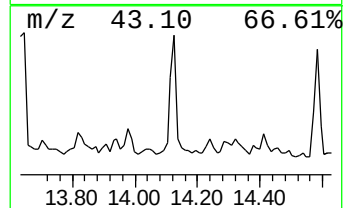
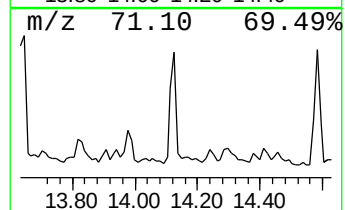
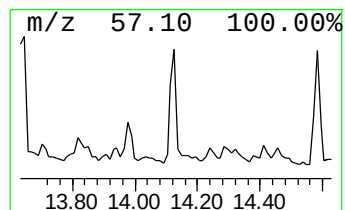
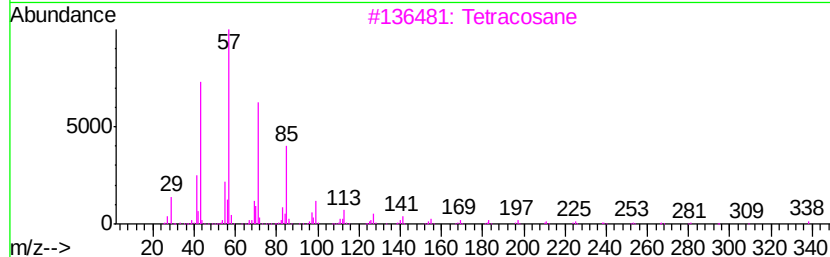
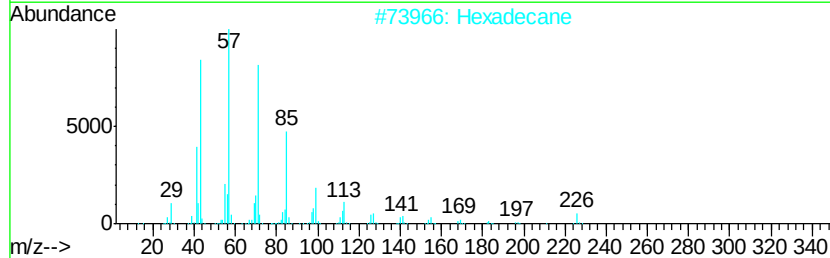
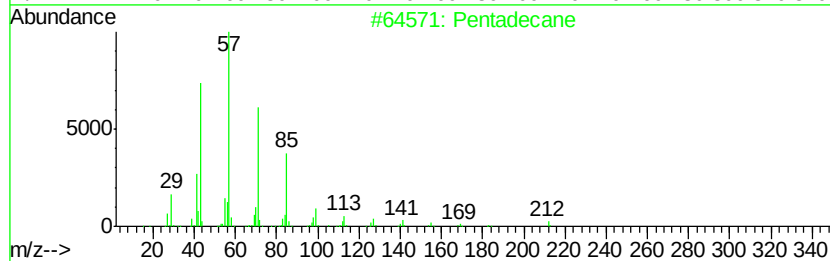
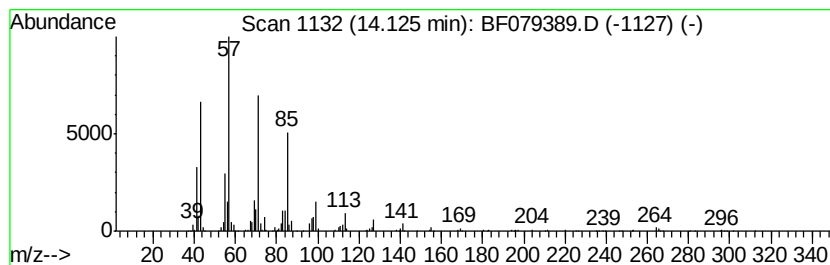
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	46.91 ng	10486000	Phenanthrene-d10	12.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	91
2	Hexadecane		226	C16H34	000544-76-3	91
3	Tetracosane		338	C24H50	000646-31-1	91
4	Octadecane		254	C18H38	000593-45-3	91
5	Heneicosane		296	C21H44	000629-94-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
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Sample : G2303-02
Misc :
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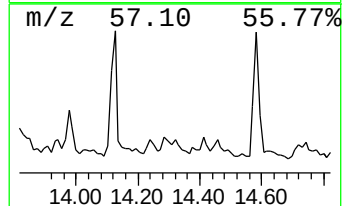
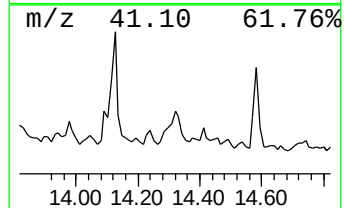
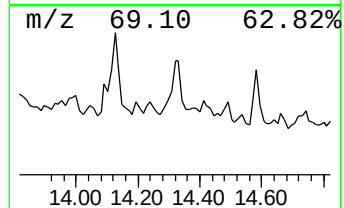
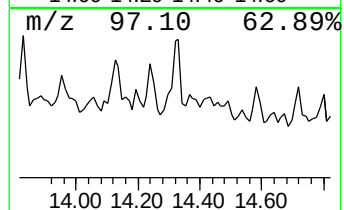
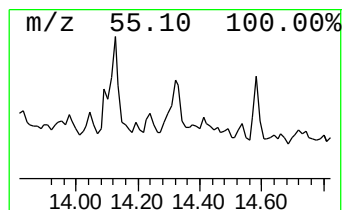
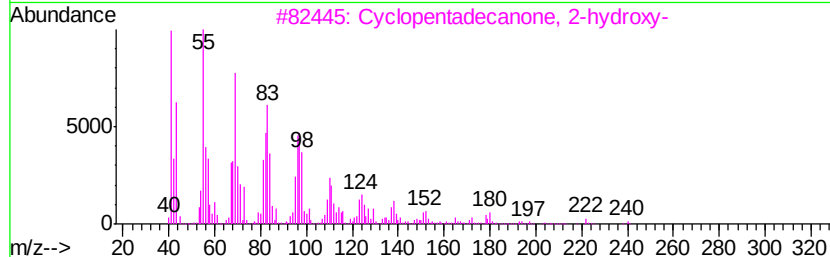
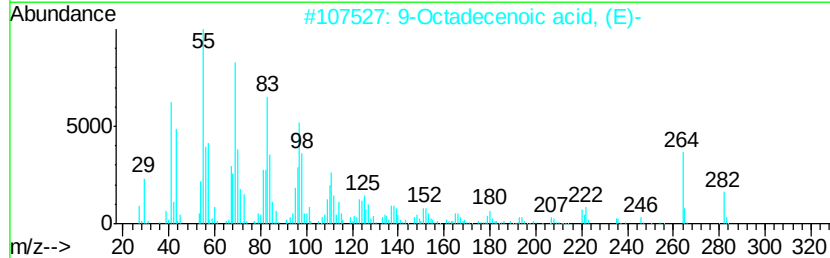
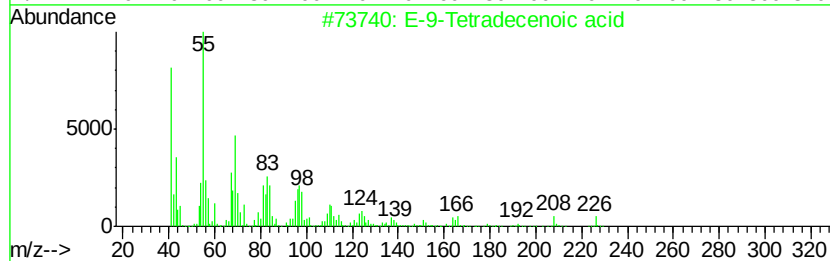
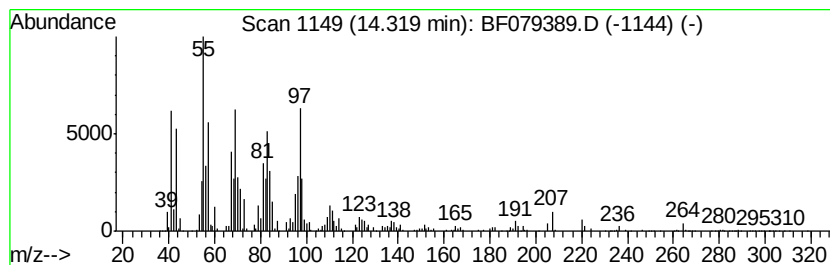
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 E-9-Tetradecenoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.32	20.16 ng	4505850	Phenanthrene-d10	12.69	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-9-Tetradecenoic acid	226	C14H26O2	1000131-35-8	58
2	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	50
3	Cyclopentadecanone, 2-hydroxy-	240	C15H28O2	004727-18-8	49
4	cis-Undec-4-enal	168	C11H20O	068820-32-6	49
5	7-Hexadecenoic acid, methyl este...	268	C17H32O2	056875-67-3	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
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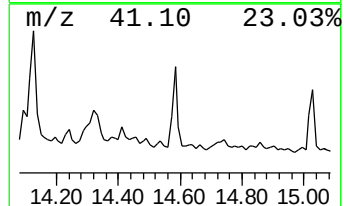
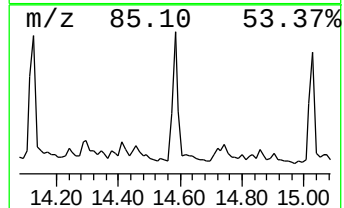
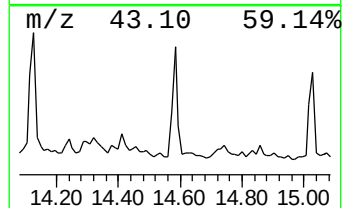
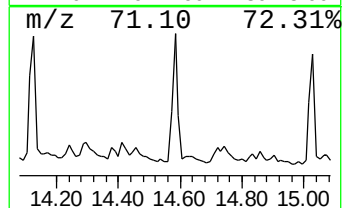
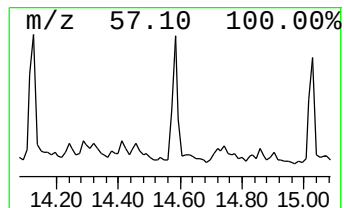
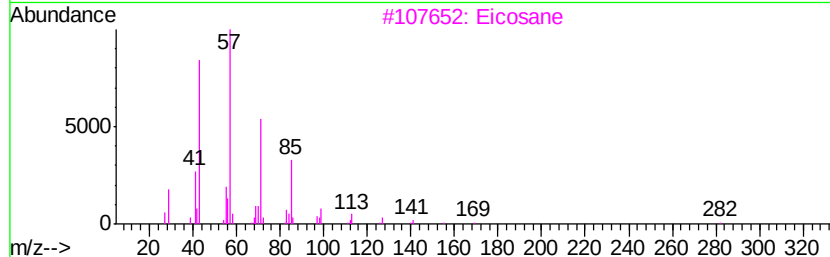
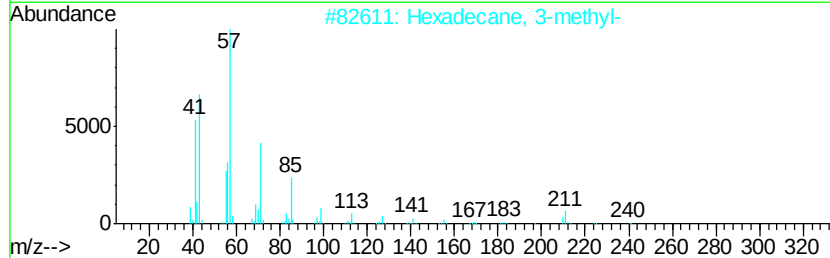
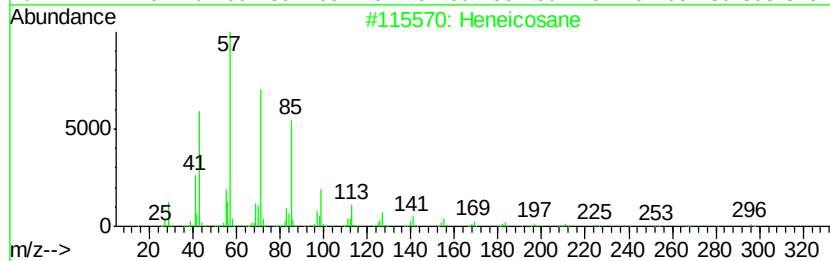
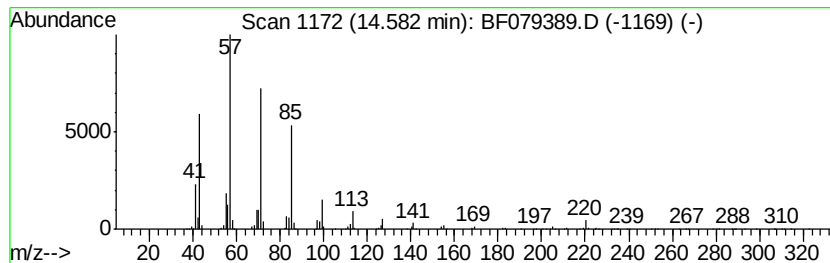
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.58	44.80 ng	5391340	Chrysene-d12	15.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	74
3	Eicosane	282	C20H42	000112-95-8	74
4	Heptacosane	380	C27H56	000593-49-7	72
5	Pentadecane	212	C15H32	000629-62-9	64



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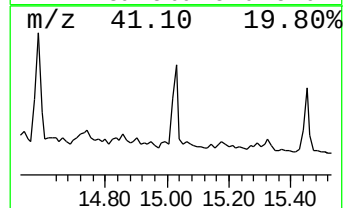
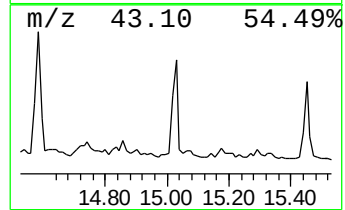
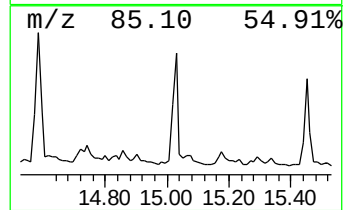
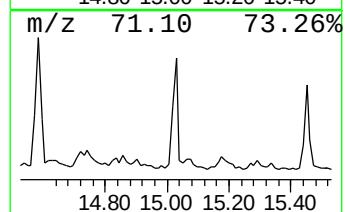
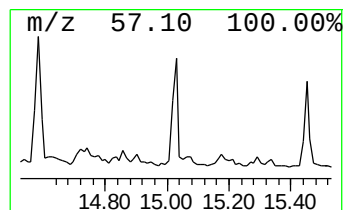
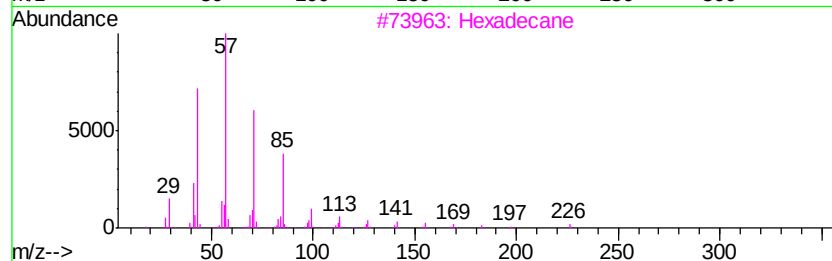
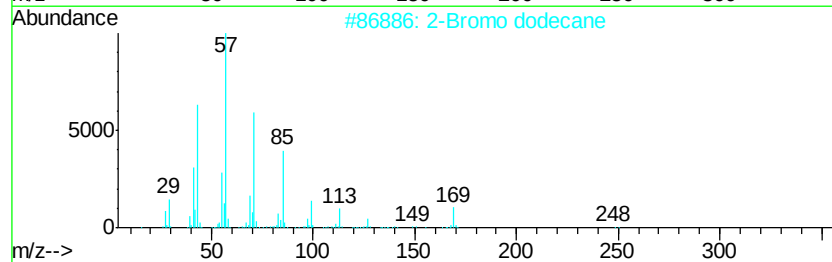
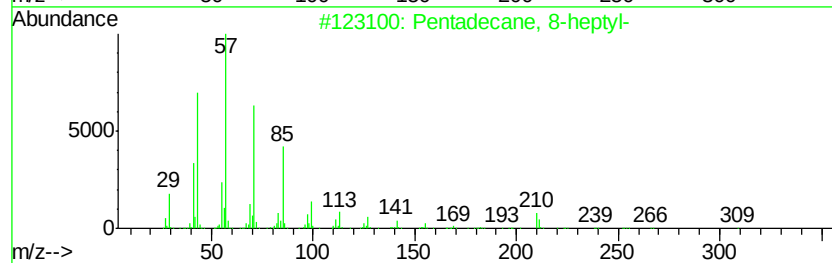
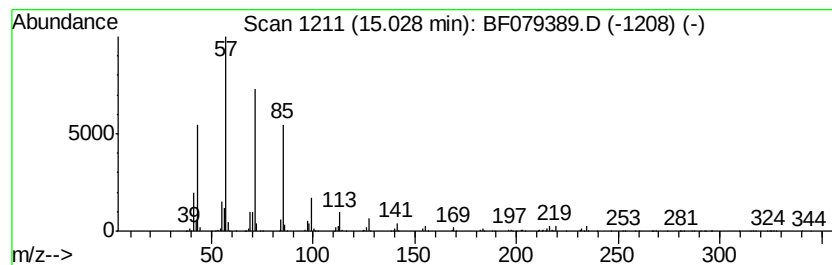
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Pentadecane, 8-heptyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	40.24 ng	4842840	Chrysene-d12	15.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	86
3		Hexadecane	226	C16H34	000544-76-3	80
4		Heptacosane	380	C27H56	000593-49-7	80
5		Pentadecane	212	C15H32	000629-62-9	80



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Sample : G2303-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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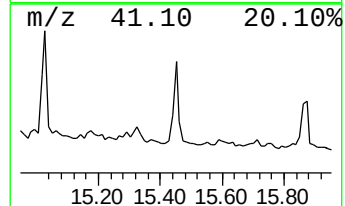
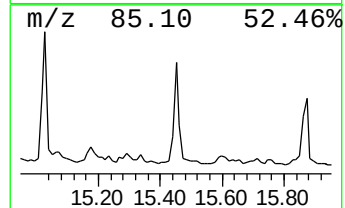
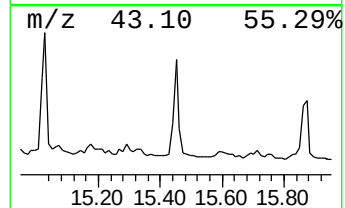
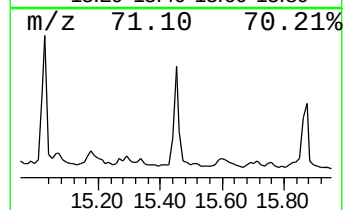
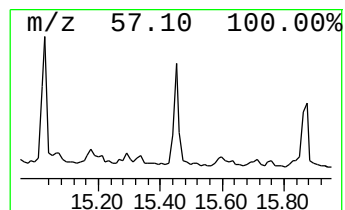
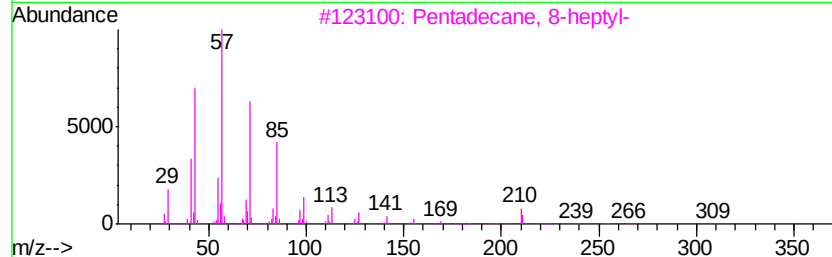
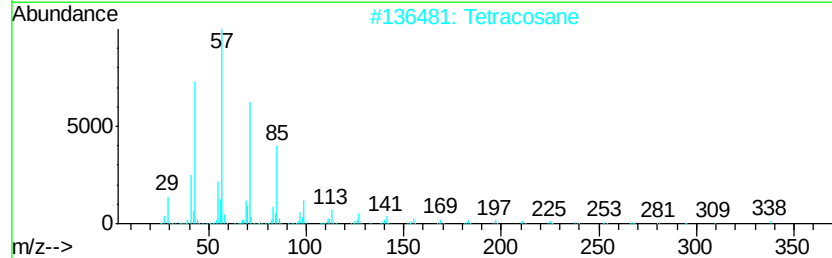
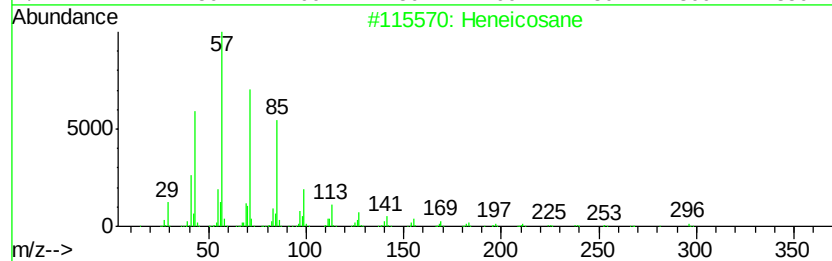
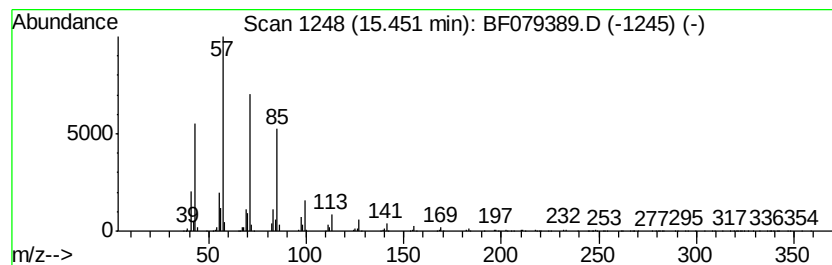
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown15.45 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	26.43 ng	3181060	Chrysene-d12	15.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Tetracosane	338	C24H50	000646-31-1	91
3		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
4		Octadecane	254	C18H38	000593-45-3	90
5		Nonacosane	408	C29H60	000630-03-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
Operator : TP/IZ
Sample : G2303-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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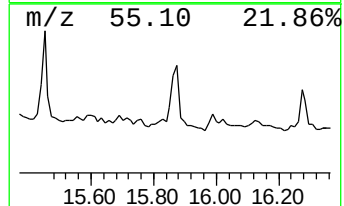
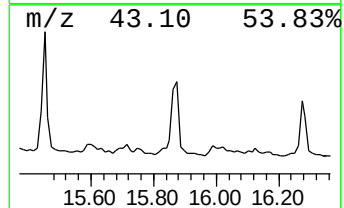
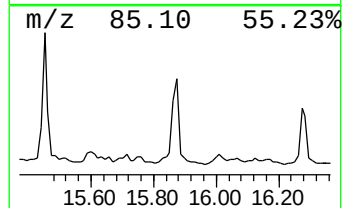
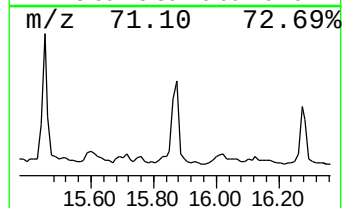
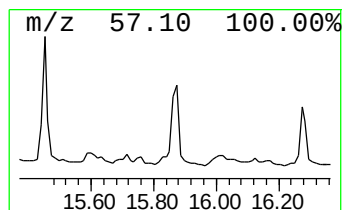
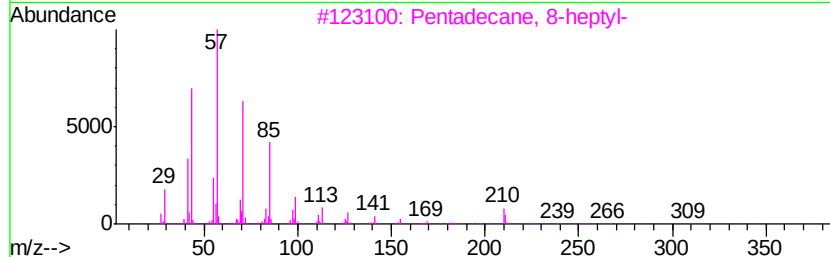
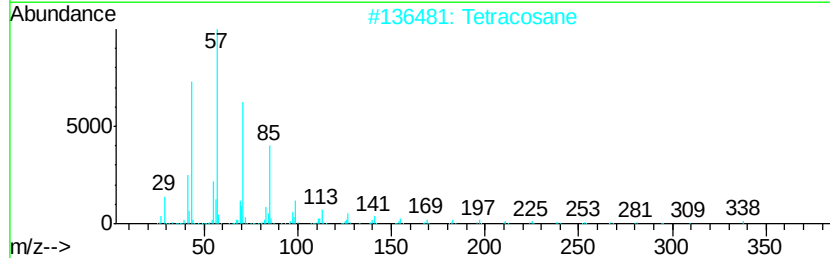
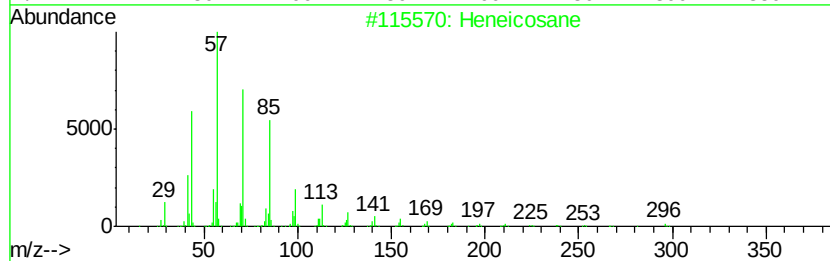
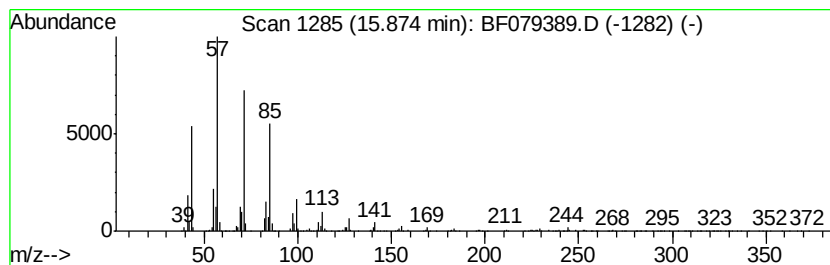
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tridecane, 7-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	22.08 ng	2656940	Chrysene-d12	15.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Tetracosane	338	C24H50	000646-31-1	91
3		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
4		Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
5		Tridecane, 7-propyl-	226	C16H34	055045-09-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
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Sample : G2303-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2DEPTH

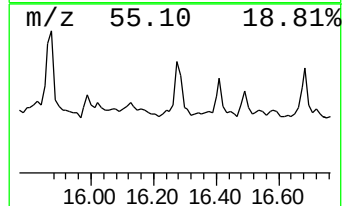
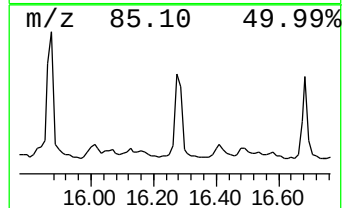
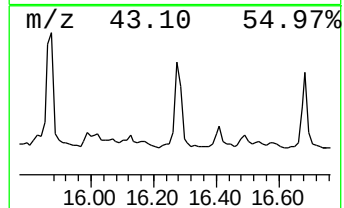
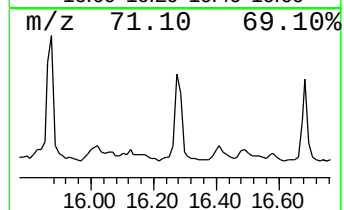
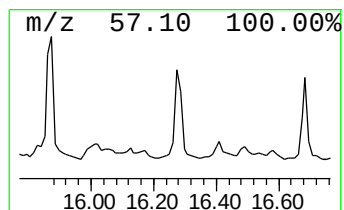
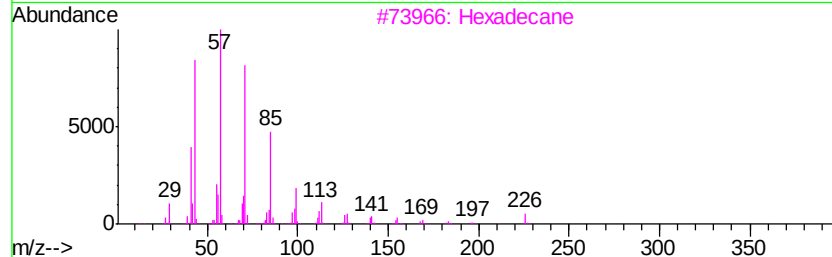
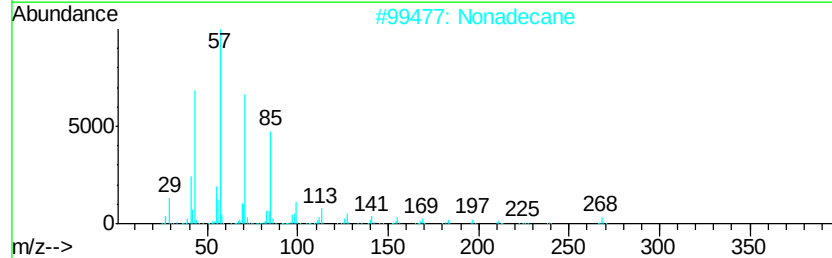
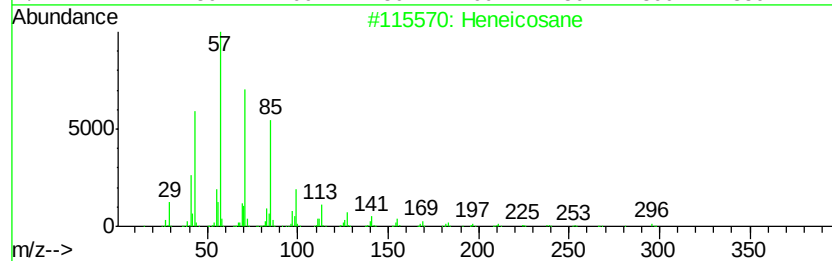
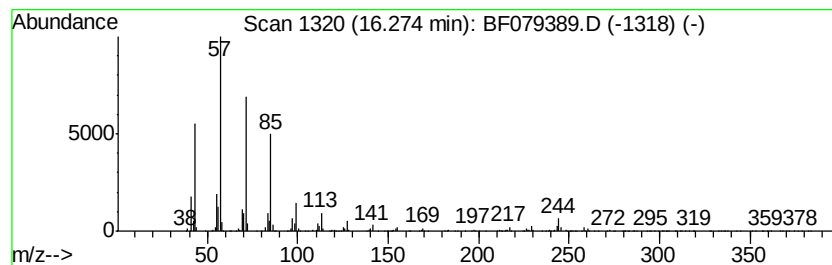
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	20.25 ng	2437090	Chrysene-d12	15.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	87
2		Nonadecane	268	C19H40	000629-92-5	87
3		Hexadecane	226	C16H34	000544-76-3	86
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5		2-Bromo dodecane	248	C12H25Br	013187-99-0	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
Operator : TP/IZ
Sample : G2303-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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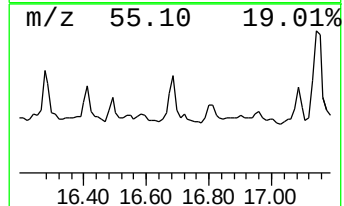
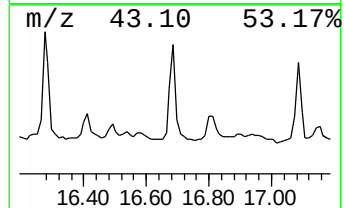
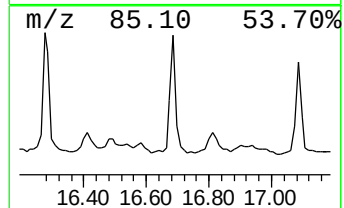
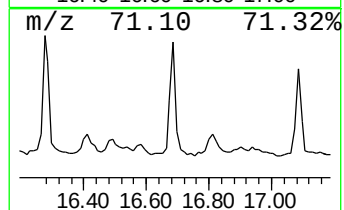
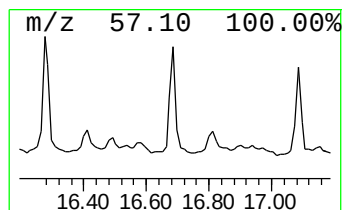
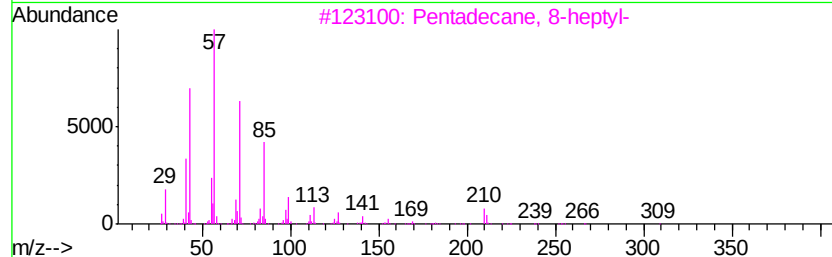
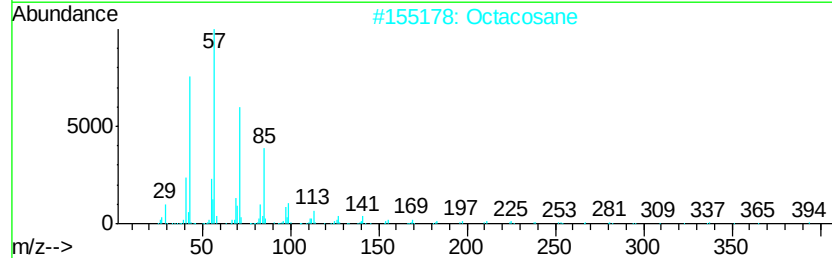
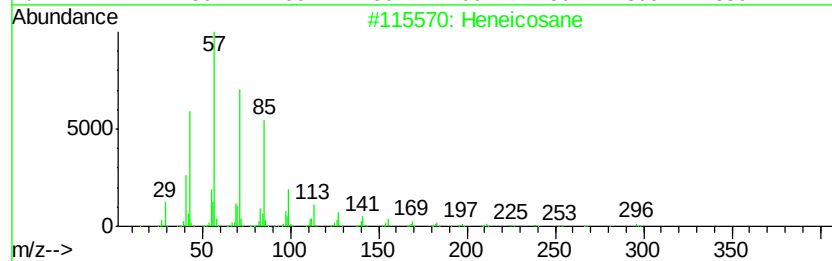
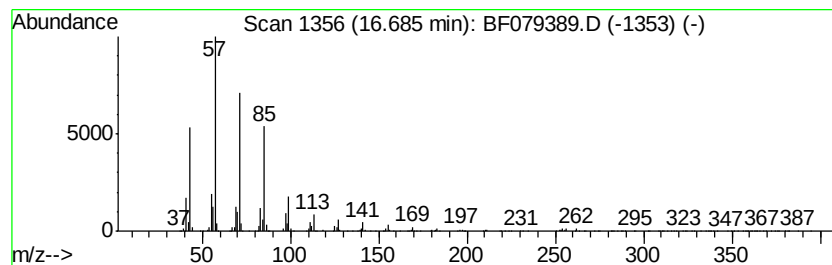
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown16.69 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	20.11 ng	2420120	Chrysene-d12	15.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Octacosane	394	C28H58	000630-02-4	91
3		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
4		Nonacosane	408	C29H60	000630-03-5	90
5		Pentadecane	212	C15H32	000629-62-9	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
Operator : TP/IZ
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Misc :
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Instrument :
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ClientSampleId :
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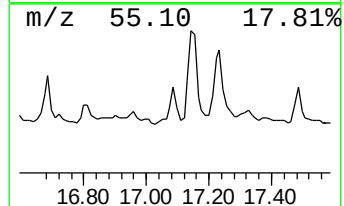
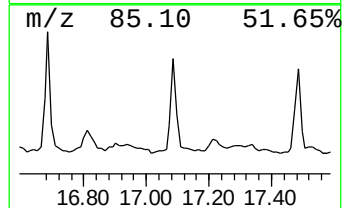
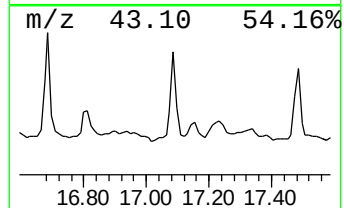
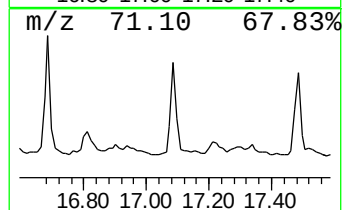
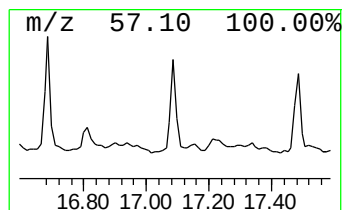
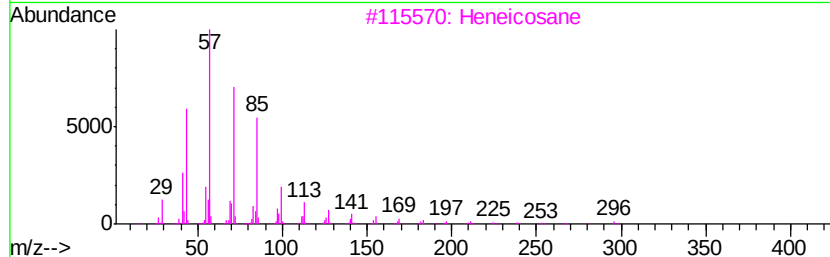
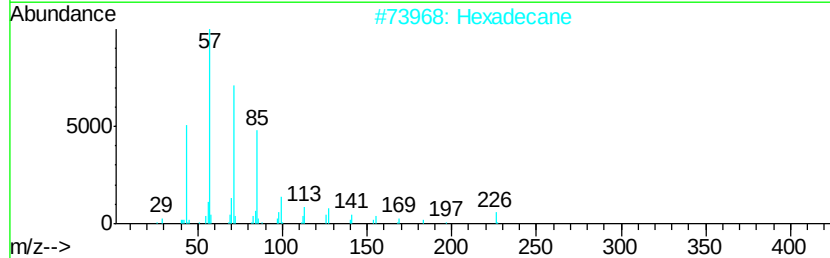
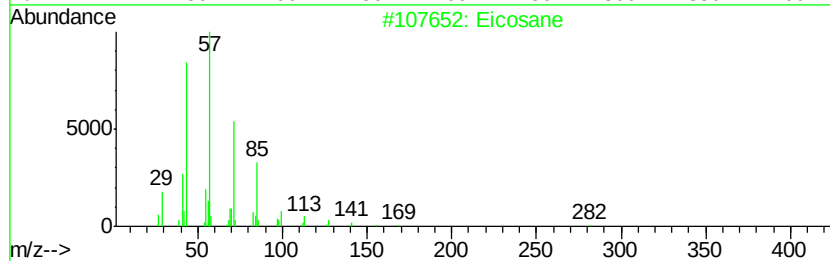
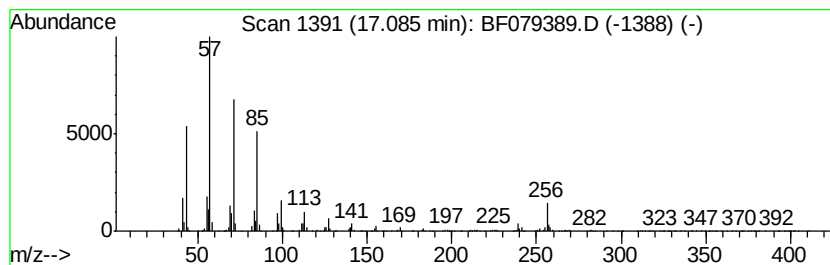
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tridecane, 6-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	22.96 ng	1405190	Perylene-d12	17.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	96
2		Hexadecane	226	C16H34	000544-76-3	90
3		Heneicosane	296	C21H44	000629-94-7	87
4		Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
Operator : TP/IZ
Sample : G2303-02
Misc :
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Instrument :
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ClientSampleId :
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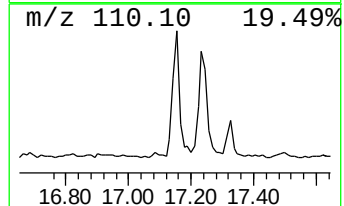
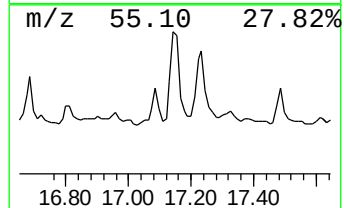
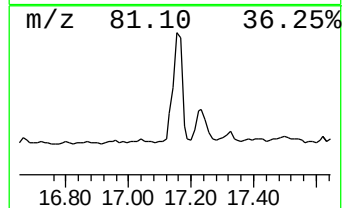
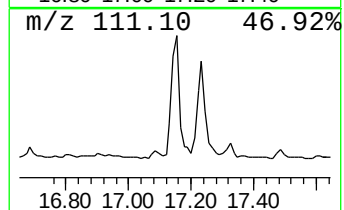
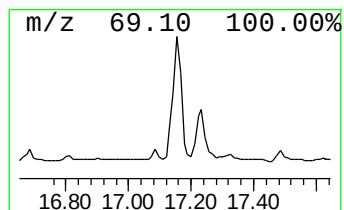
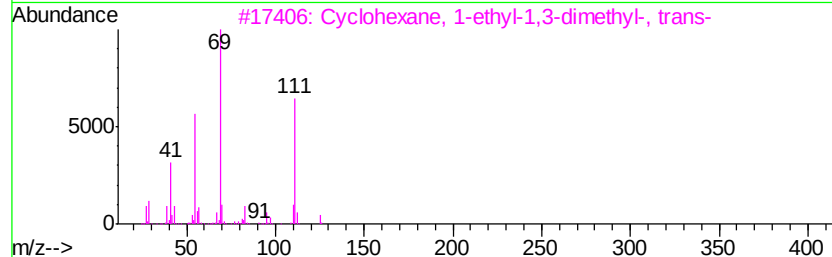
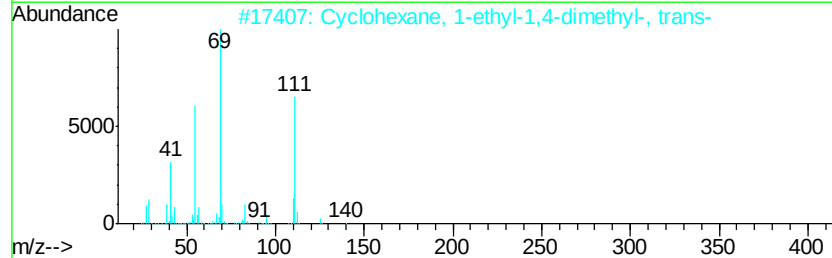
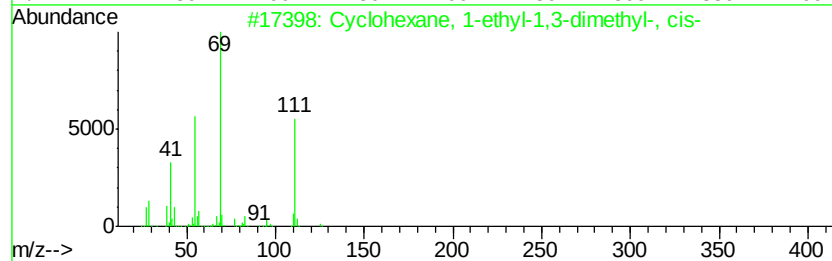
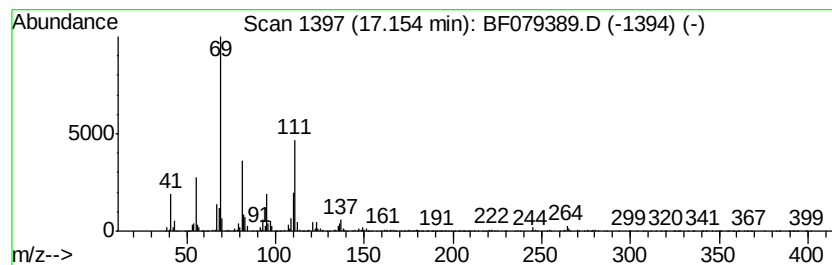
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclohexane, 1-ethyl-1,3-di... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	48.49 ng	2968040	Perylene-d12	17.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	59
2		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	59
3		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	59
4		Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	56
5		1,1'-Bicyclooctyl	222	C16H30	006708-17-4	56



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
Operator : TP/IZ
Sample : G2303-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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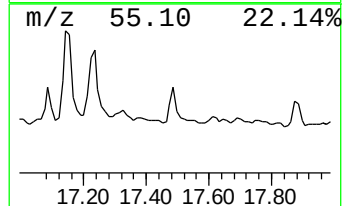
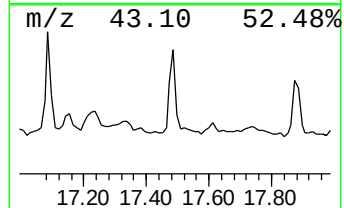
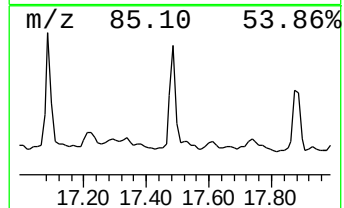
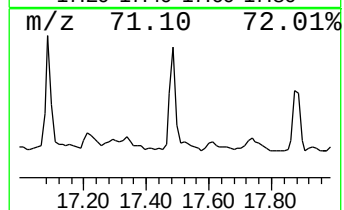
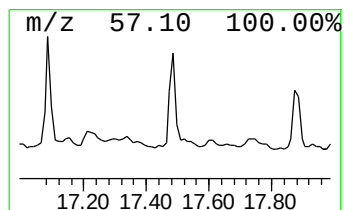
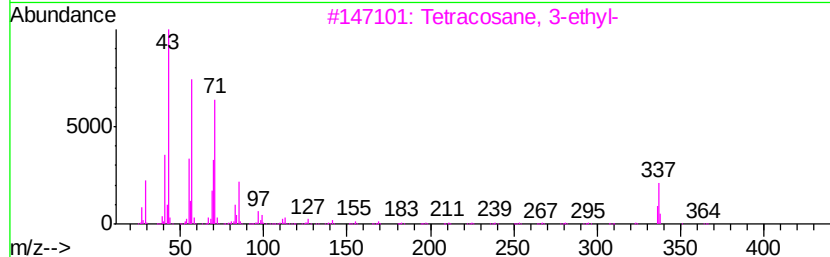
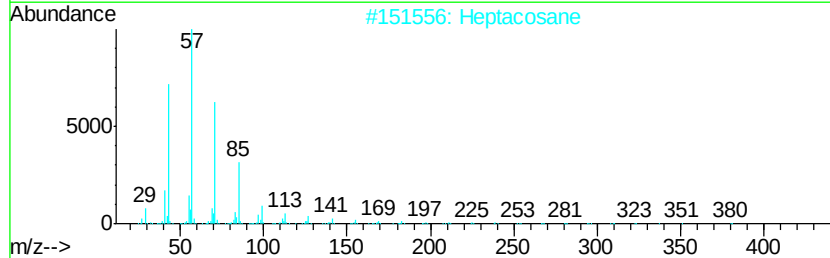
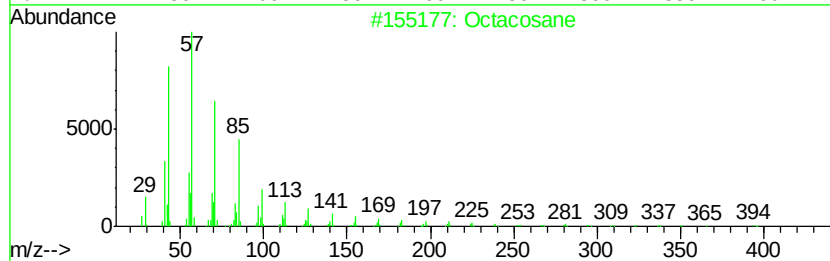
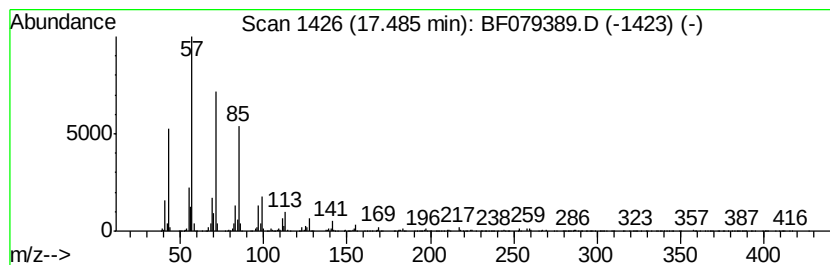
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Octacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	23.76 ng	1454400	Perylene-d12	17.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	97
2		Heptacosane	380	C27H56	000593-49-7	94
3		Tetracosane, 3-ethyl-	366	C26H54	055282-17-2	93
4		Eicosane, 9-octyl-	394	C28H58	013475-77-9	91
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079389.D
Acq On : 20 May 2015 20:26
Operator : TP/IZ
Sample : G2303-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2DEPTH

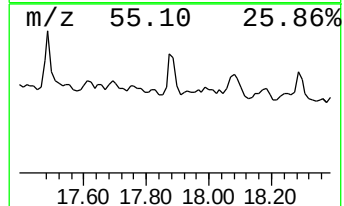
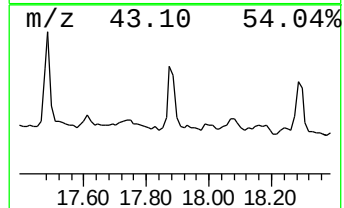
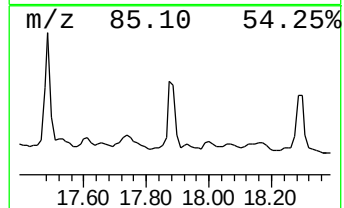
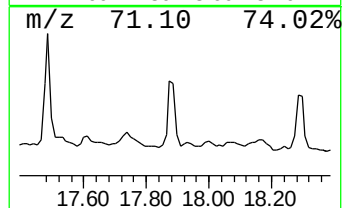
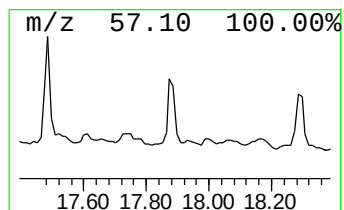
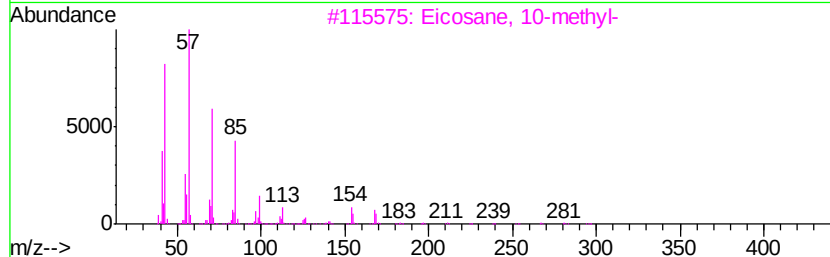
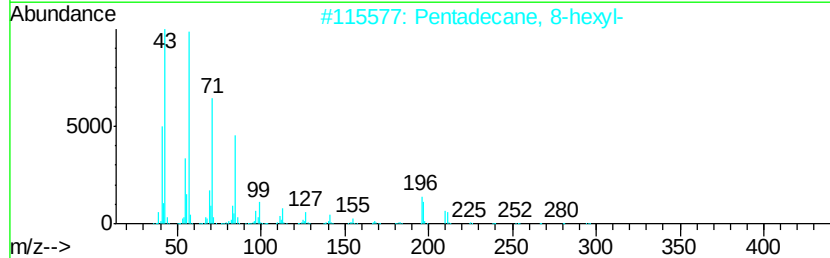
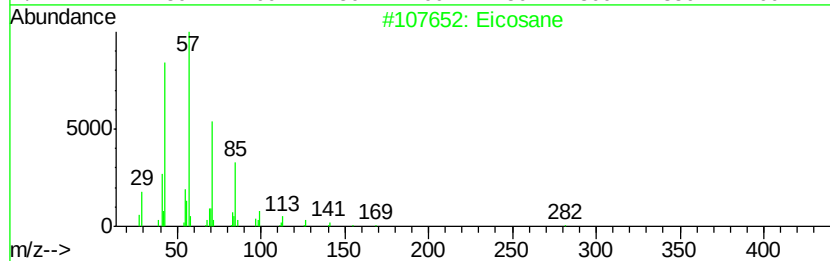
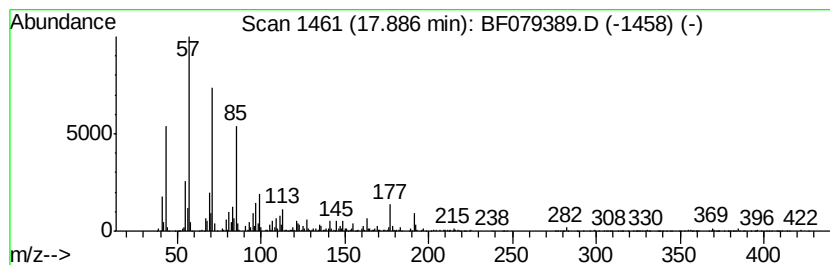
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Eicosane, 10-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	20.00 ng	1224070	Perylene-d12	17.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	95
2		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
3		Eicosane, 10-methyl-	296	C21H44	054833-23-7	87
4		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	83
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
 Data File : BF079389.D
 Acq On : 20 May 2015 20:26
 Operator : TP/IZ
 Sample : G2303-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2DEPTH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexene, 1-me...	7.23	20.0	ng	1977970	1	7.08	1977970	20.0
Undecane	7.86	29.6	ng	2930330	1	7.08	1977970	20.0
Eicosane	12.05	47.2	ng	10550900	4	12.69	4470630	20.0
Heptadecane, 8-me...	12.61	29.0	ng	6472910	4	12.69	4470630	20.0
Heneicosane	13.13	30.7	ng	6870240	4	12.69	4470630	20.0
Tetracosane	13.65	27.4	ng	6136130	4	12.69	4470630	20.0
Pentadecane	14.13	46.9	ng	10486000	4	12.69	4470630	20.0
E-9-Tetradecenoic...	14.32	20.2	ng	4505850	4	12.69	4470630	20.0
Hexadecane, 3-met...	14.58	44.8	ng	5391340	5	15.98	2406790	20.0
Pentadecane, 8-he...	15.03	40.2	ng	4842840	5	15.98	2406790	20.0
unknown15.45	15.45	26.4	ng	3181060	5	15.98	2406790	20.0
Tridecane, 7-propyl-	15.87	22.1	ng	2656940	5	15.98	2406790	20.0
Nonadecane	16.27	20.3	ng	2437090	5	15.98	2406790	20.0
unknown16.69	16.69	20.1	ng	2420120	5	15.98	2406790	20.0
Tridecane, 6-propyl-	17.09	23.0	ng	1405190	6	17.74	1224070	20.0
Cyclohexane, 1-et...	17.15	48.5	ng	2968040	6	17.74	1224070	20.0
Octacosane	17.49	23.8	ng	1454400	6	17.74	1224070	20.0
Eicosane, 10-methyl-	17.89	20.0	ng	1224070	6	17.74	1224070	20.0