

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097283.D
 Acq On : 2 Aug 2017 19:48
 Operator : SJ/JU
 Sample : I4543-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-073117-A

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-BF072517.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	5.051	535	538	549	rBV	142276	237454	2.21%	0.333%
2	5.334	582	586	592	rBV	340318	329254	3.06%	0.462%
3	5.692	642	647	652	rVB2	225021	356467	3.31%	0.500%
4	5.745	652	656	662	rBV2	111720	177770	1.65%	0.249%
5	5.892	673	681	686	rBV3	137854	248474	2.31%	0.348%
6	5.963	690	693	695	rVV3	328004	455196	4.23%	0.638%
7	5.992	695	698	704	rVB2	319698	455982	4.23%	0.639%
8	6.051	704	708	711	rBV	430010	434954	4.04%	0.610%
9	6.122	717	720	728	rVB2	241260	422856	3.93%	0.593%
10	6.187	728	731	734	rBV	169023	219975	2.04%	0.308%
11	6.228	735	738	743	rVV2	302654	370812	3.44%	0.520%
12	6.275	743	746	748	rVV	396232	349736	3.25%	0.490%
13	6.304	748	751	754	rVB	1817201	1554861	14.44%	2.180%
14	6.451	771	776	779	rVV2	824966	860543	7.99%	1.206%
15	6.481	779	781	784	rVV2	387755	350100	3.25%	0.491%
16	6.510	784	786	788	rVV	213665	193361	1.80%	0.271%
17	6.604	797	802	811	rVB5	470492	912912	8.48%	1.280%
18	6.710	816	820	823	rVV4	159833	249627	2.32%	0.350%
19	6.751	823	827	829	rVV2	382859	479558	4.45%	0.672%
20	6.781	829	832	835	rVV	654380	576939	5.36%	0.809%
21	6.810	835	837	840	rVV	486819	475656	4.42%	0.667%
22	6.857	840	845	851	rVB3	495849	723723	6.72%	1.015%
23	6.951	859	861	863	rVV	216042	170016	1.58%	0.238%
24	6.998	865	869	871	rVV3	324746	418133	3.88%	0.586%
25	7.022	871	873	875	rVV	249582	246004	2.28%	0.345%
26	7.045	875	877	879	rVV	171044	186887	1.74%	0.262%
27	7.075	879	882	885	rVV	2319365	2018635	18.75%	2.830%
28	7.110	885	888	892	rVB3	249670	302226	2.81%	0.424%
29	7.181	897	900	904	rVV3	246554	296617	2.75%	0.416%
30	7.234	904	909	911	rVB4	150503	174295	1.62%	0.244%
31	7.257	911	913	919	rVB	543605	514856	4.78%	0.722%
32	7.375	926	933	936	rBV4	434801	669928	6.22%	0.939%
33	7.404	936	938	942	rVV3	221993	309184	2.87%	0.433%
34	7.445	942	945	947	rVV2	393781	472023	4.38%	0.662%

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35	7.475	947	950	953	rVV4	650567	725147	6.73%	1.017%
36	7.510	953	956	961	rVB3	716022	787808	7.32%	1.104%
37	7.557	961	964	965	rBV	541772	506944	4.71%	0.711%
38	7.575	965	967	970	rVB2	409960	356248	3.31%	0.499%
39	7.704	984	989	991	rBV5	235172	366072	3.40%	0.513%
40	7.745	991	996	998	rVV2	2049653	2822454	26.21%	3.957%
41	7.786	998	1003	1007	rVV7	203583	461593	4.29%	0.647%
42	7.822	1007	1009	1012	rVV	574501	527846	4.90%	0.740%
43	7.934	1020	1028	1030	rBV3	243160	451658	4.19%	0.633%
44	8.039	1042	1046	1048	rVV5	292380	399578	3.71%	0.560%
45	8.069	1048	1051	1054	rVV3	263730	359612	3.34%	0.504%
46	8.104	1054	1057	1059	rVV	383795	329315	3.06%	0.462%
47	8.139	1059	1063	1067	rVV5	413335	480192	4.46%	0.673%
48	8.181	1067	1070	1077	rVV3	801038	889107	8.26%	1.246%
49	8.239	1077	1080	1084	rVB2	365622	299366	2.78%	0.420%
50	8.351	1094	1099	1103	rVV	1761550	1629336	15.13%	2.284%
51	8.398	1103	1107	1110	rVV2	265947	399321	3.71%	0.560%
52	8.445	1111	1115	1118	rVB3	250555	369765	3.43%	0.518%
53	8.557	1129	1134	1137	rBV3	356777	441981	4.10%	0.620%
54	8.628	1142	1146	1148	rVV2	332092	448312	4.16%	0.628%
55	8.651	1148	1150	1152	rVV2	386550	368335	3.42%	0.516%
56	8.681	1152	1155	1157	rVV2	345929	374072	3.47%	0.524%
57	8.710	1157	1160	1164	rVV	411571	443690	4.12%	0.622%
58	8.751	1164	1167	1169	rVV3	381929	360775	3.35%	0.506%
59	8.775	1169	1171	1174	rVV2	568497	483603	4.49%	0.678%
60	8.810	1174	1177	1181	rVB	282756	222507	2.07%	0.312%
61	8.910	1189	1194	1198	rBV	1382709	1344519	12.49%	1.885%
62	8.957	1199	1202	1205	rVV2	231612	292725	2.72%	0.410%
63	9.163	1234	1237	1239	rVV2	284450	359827	3.34%	0.504%
64	9.186	1239	1241	1243	rVV2	235746	208461	1.94%	0.292%
65	9.228	1243	1248	1250	rVV4	454322	739595	6.87%	1.037%
66	9.245	1250	1251	1256	rVV2	326610	347598	3.23%	0.487%
67	9.439	1280	1284	1286	rBV	912996	803700	7.46%	1.127%
68	9.475	1286	1290	1295	rVV2	1118903	1044443	9.70%	1.464%
69	9.757	1335	1338	1341	rVB	233552	224117	2.08%	0.314%
70	9.933	1362	1368	1371	rBV	732633	683795	6.35%	0.959%
71	10.151	1400	1405	1408	rBV	214471	263752	2.45%	0.370%

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72	10.263	1421	1424	1428	rVB3	186123	197526	1.83%	0.277%
73	10.404	1444	1448	1454	rBV	489936	615522	5.72%	0.863%
74	10.845	1520	1523	1526	rBV	490636	420894	3.91%	0.590%
75	10.874	1526	1528	1535	rVB	167923	187008	1.74%	0.262%
76	10.945	1537	1540	1543	rBV	851311	840867	7.81%	1.179%
77	10.969	1543	1544	1551	rVB	221280	195874	1.82%	0.275%
78	11.269	1592	1595	1598	rBV	319790	306615	2.85%	0.430%
79	11.374	1608	1613	1617	rVB	3947571	4376466	40.65%	6.135%
80	11.510	1633	1636	1642	rBV2	169680	221724	2.06%	0.311%
81	11.563	1642	1645	1656	rVB5	96433	183650	1.71%	0.257%
82	11.674	1661	1664	1672	rVB	302544	304338	2.83%	0.427%
83	12.069	1722	1731	1733	rVV	5067327	10767113	100.00%	15.094%
84	12.092	1733	1735	1740	rVV2	5206359	6068898	56.37%	8.508%
85	12.163	1743	1747	1750	rVV2	2663157	2551191	23.69%	3.576%
86	12.198	1750	1753	1754	rVV	481594	471131	4.38%	0.660%
87	12.221	1754	1757	1766	rVV	1027061	1232676	11.45%	1.728%
88	12.380	1780	1784	1790	rVB	276745	353523	3.28%	0.496%
89	12.786	1850	1853	1864	rVB3	263660	571487	5.31%	0.801%
90	12.880	1866	1869	1871	rBV	231285	214647	1.99%	0.301%
91	12.904	1871	1873	1877	rVV3	239786	258589	2.40%	0.363%
92	12.945	1877	1880	1885	rVB3	249215	259832	2.41%	0.364%
93	13.298	1936	1940	1944	rVB3	150997	193900	1.80%	0.272%
94	13.545	1979	1982	1983	rBV	191175	185723	1.72%	0.260%
95	13.568	1983	1986	1989	rVV2	632160	690022	6.41%	0.967%
96	14.068	2065	2071	2078	rBV3	175283	371576	3.45%	0.521%
97	14.363	2118	2121	2126	rBV	164725	170761	1.59%	0.239%
98	14.457	2132	2137	2141	rBV	408520	535090	4.97%	0.750%
99	14.915	2211	2215	2220	rBV	487277	574892	5.34%	0.806%
100	14.957	2220	2222	2229	rVV2	144356	179947	1.67%	0.252%

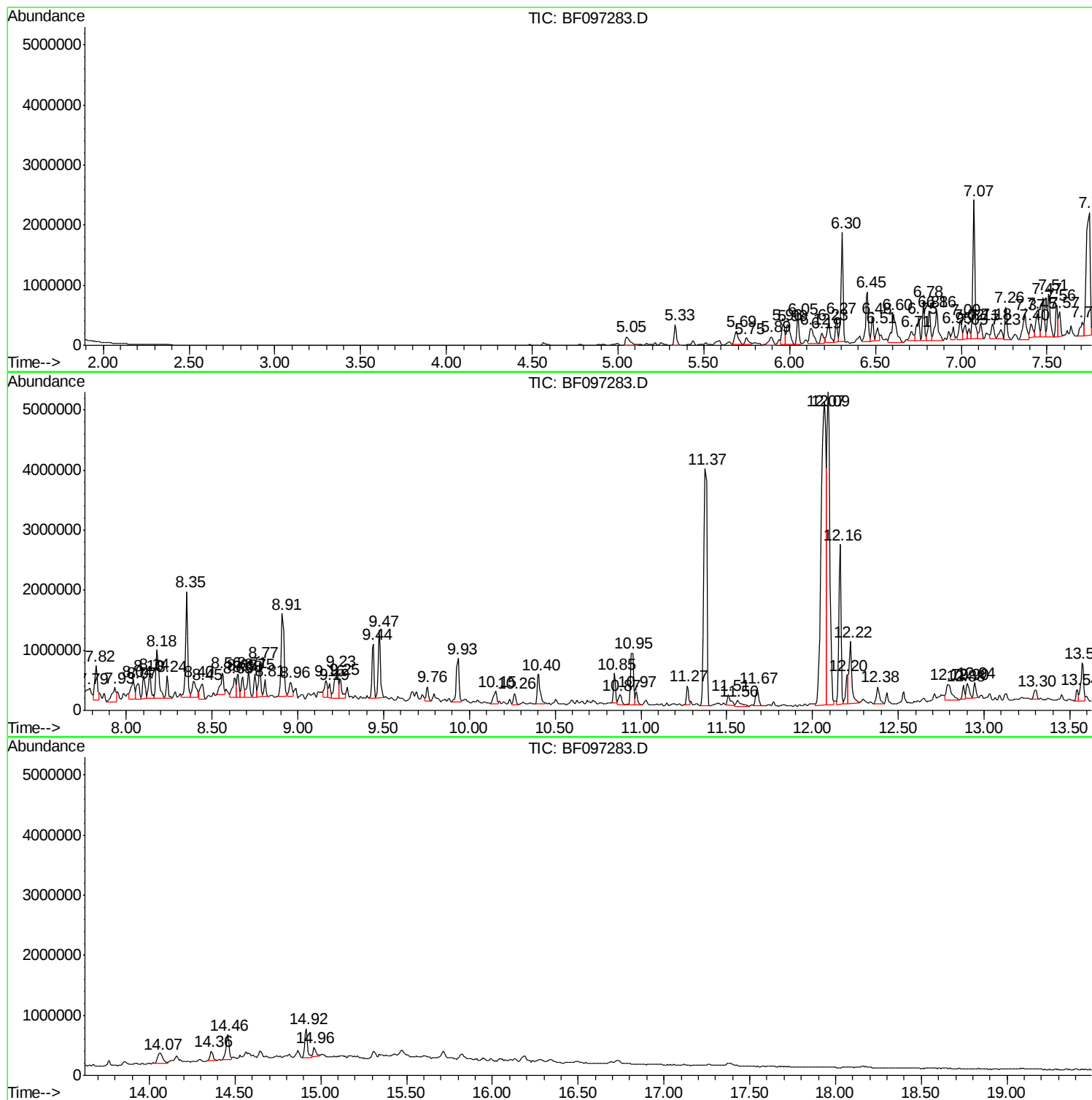
Sum of corrected areas: 71333665

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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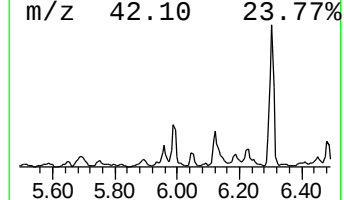
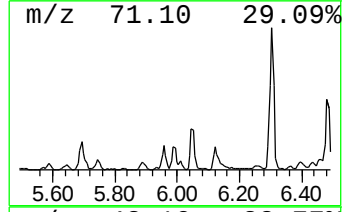
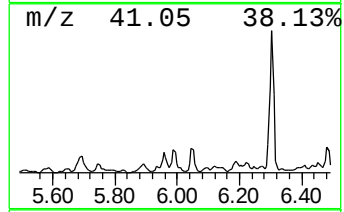
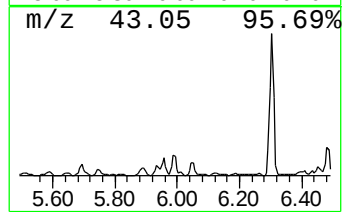
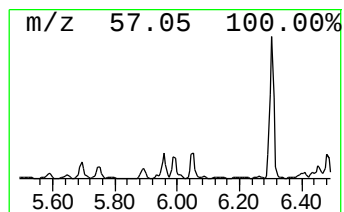
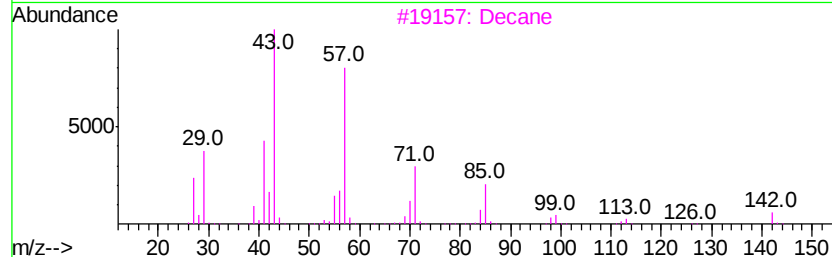
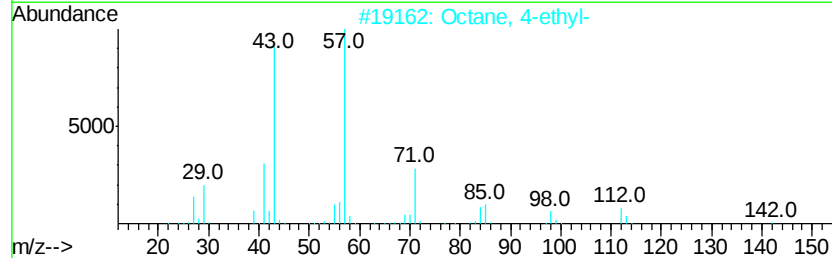
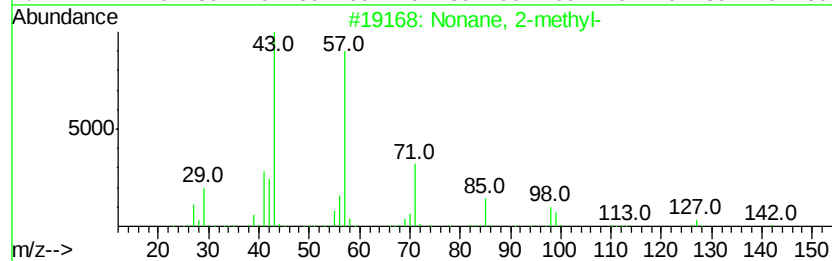
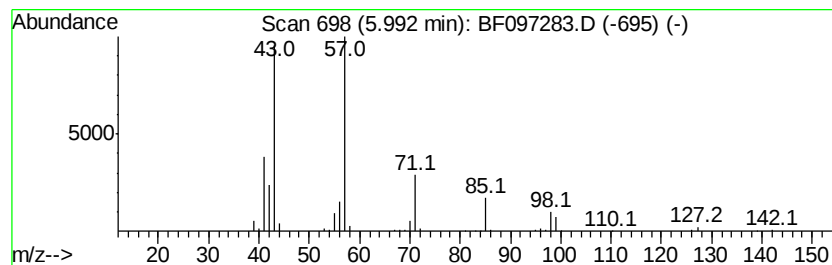
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Nonane, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	10.60 ng	455982	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2-methyl-	142	C10H22	000871-83-0	91
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	64
3		Decane	142	C10H22	000124-18-5	64
4		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	59
5		Octadecane, 6-methyl-	268	C19H40	010544-96-4	50



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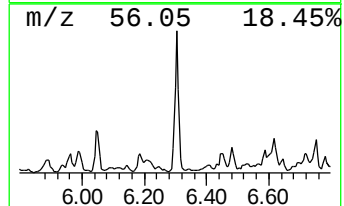
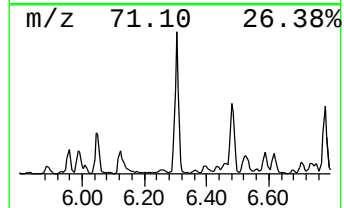
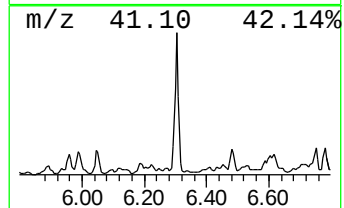
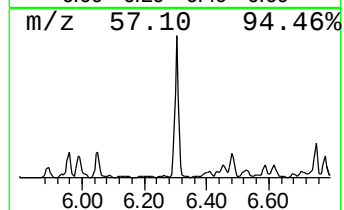
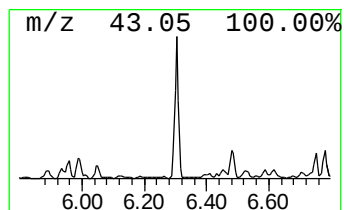
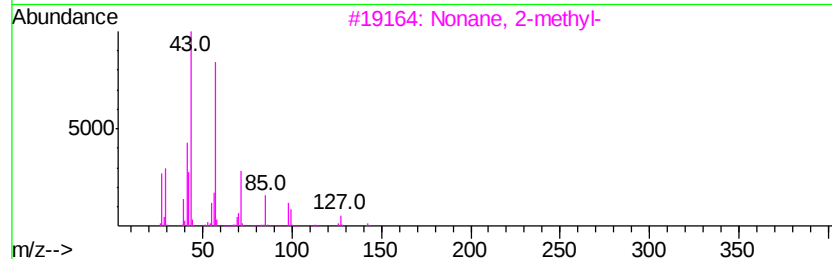
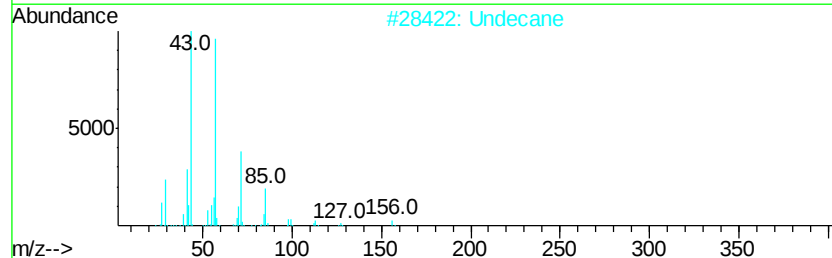
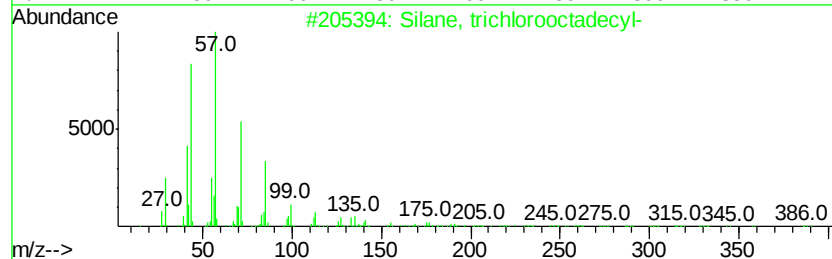
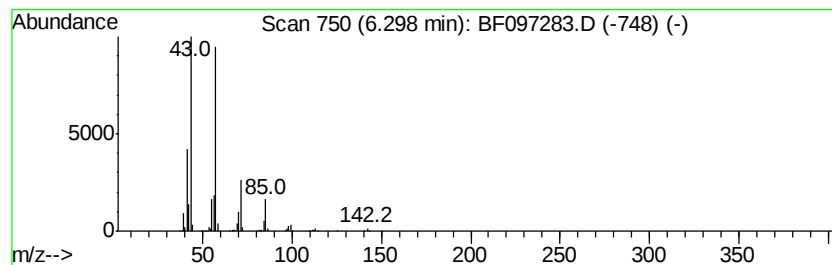
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Silane, trichlorooctadecyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	36.14 ng	1554860	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83
2		Undecane	156	C11H24	001120-21-4	83
3		Nonane, 2-methyl-	142	C10H22	000871-83-0	80
4		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78
5		Nonane	128	C9H20	000111-84-2	59



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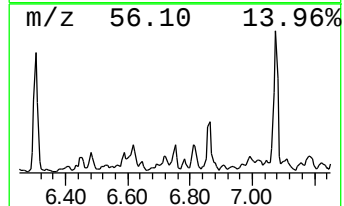
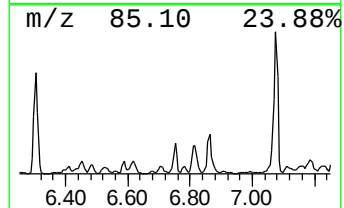
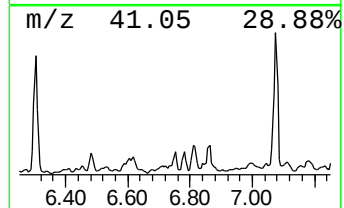
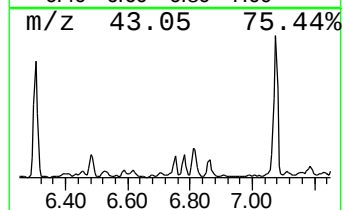
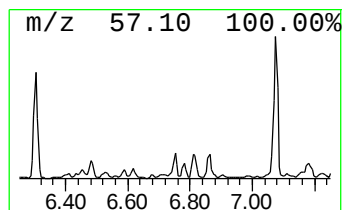
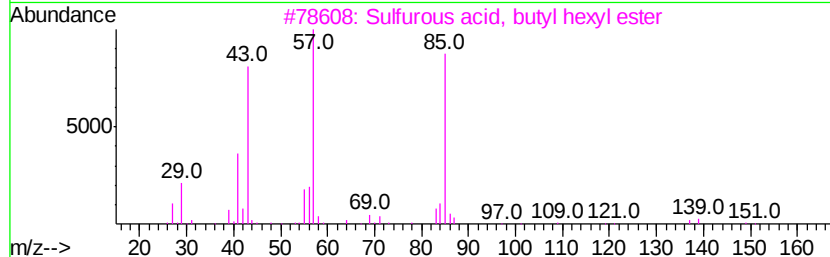
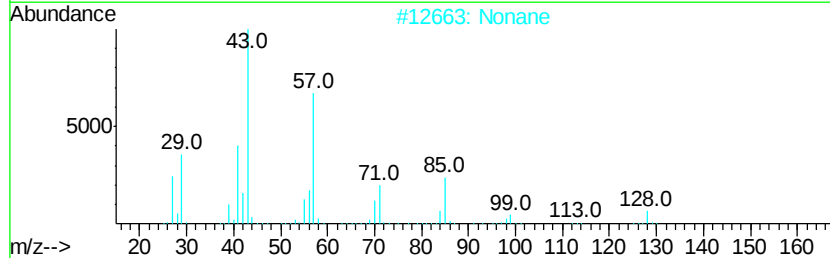
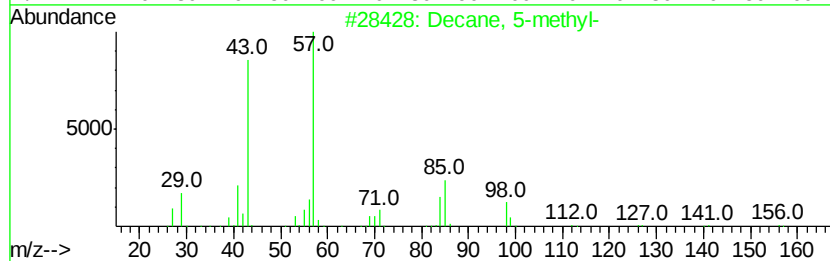
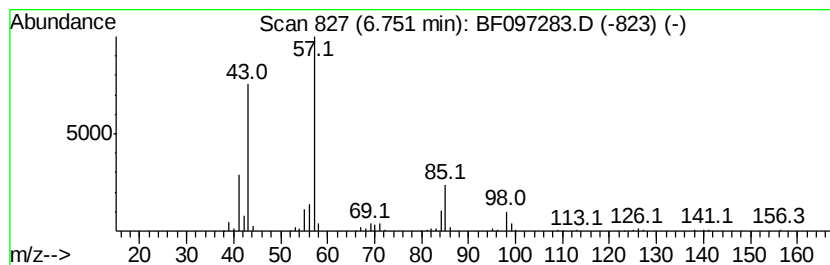
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Decane, 5-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	11.15 ng	479558	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	91
2		Nonane	128	C9H20	000111-84-2	59
3		Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	53
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
5		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
Operator : SJ/JU
Sample : I4543-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-05-073117-A

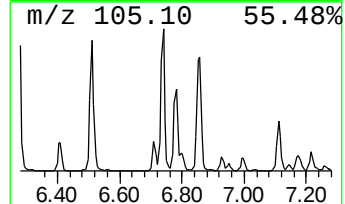
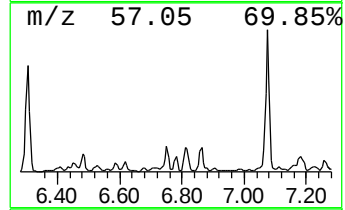
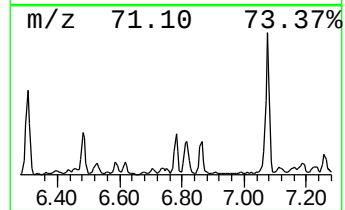
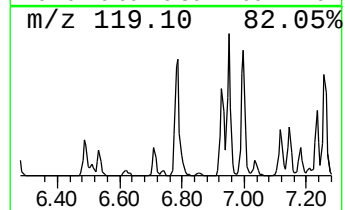
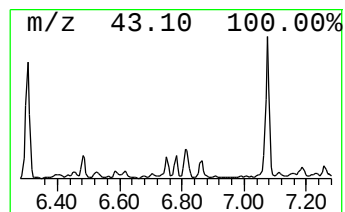
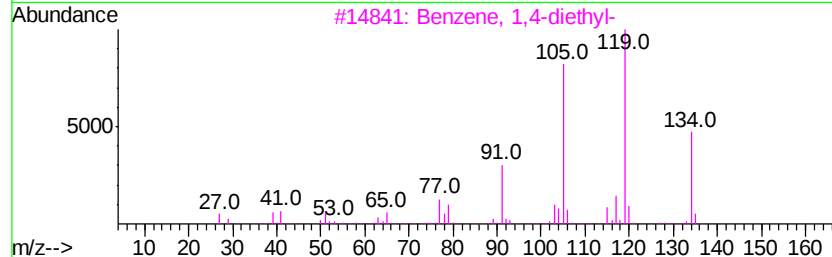
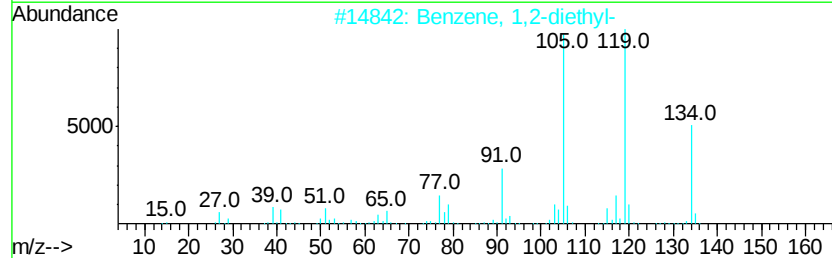
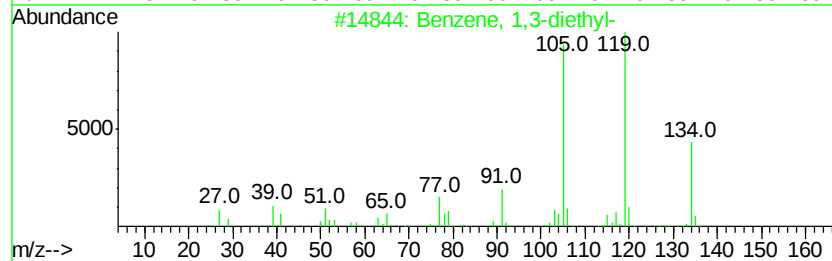
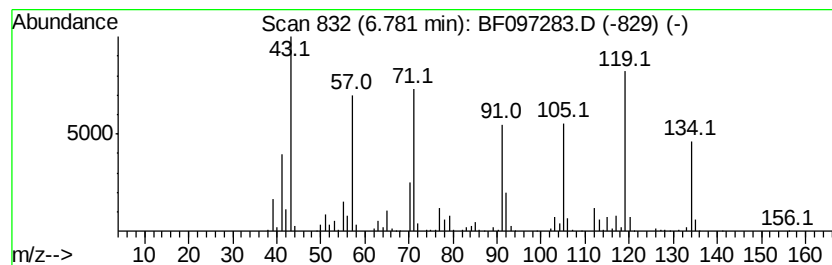
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	13.41 ng	576939	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64
4		p-Cymene	134	C10H14	000099-87-6	50
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
Operator : SJ/JU
Sample : I4543-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-073117-A

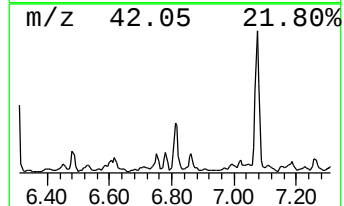
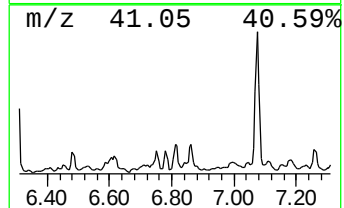
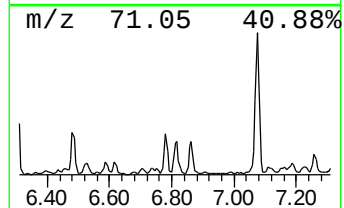
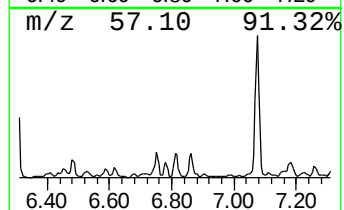
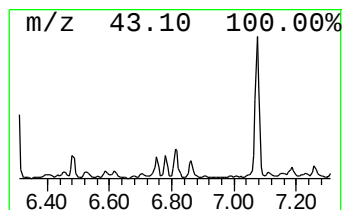
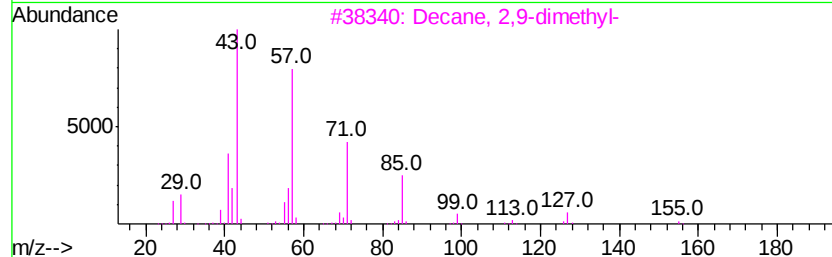
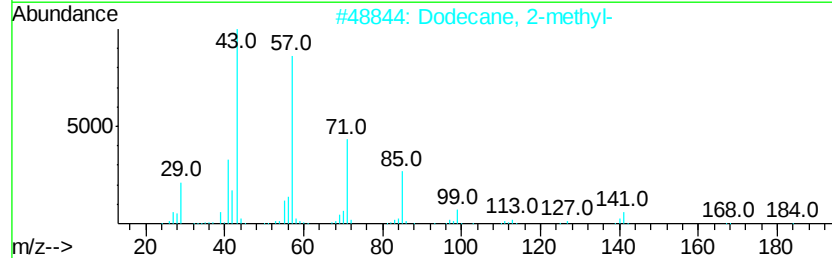
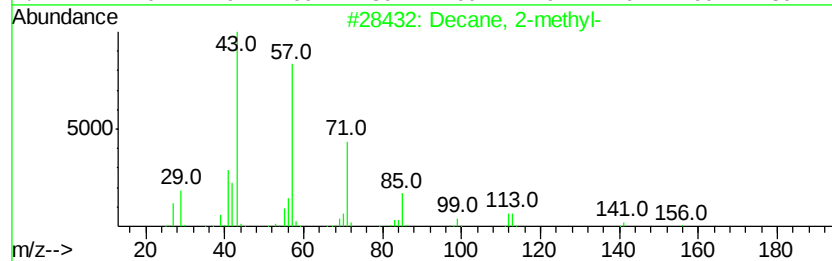
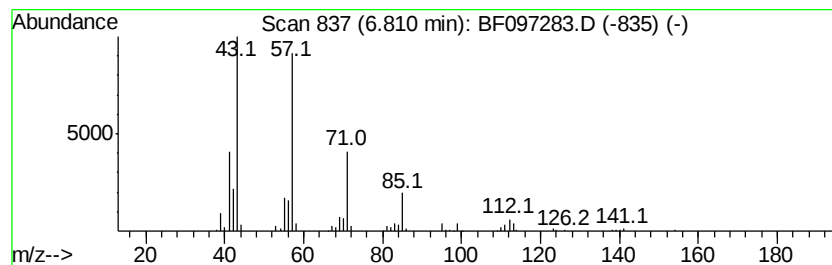
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	11.05 ng	475656	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	78
2		Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
3		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
4		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	64
5		Pentadecane	212	C15H32	000629-62-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
Operator : SJ/JU
Sample : I4543-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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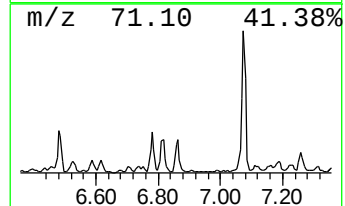
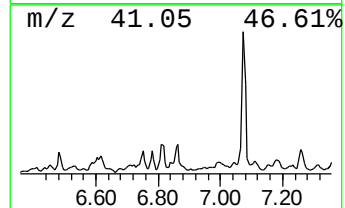
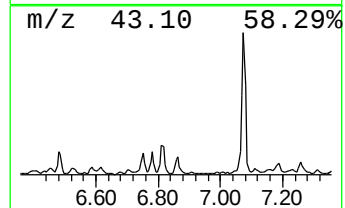
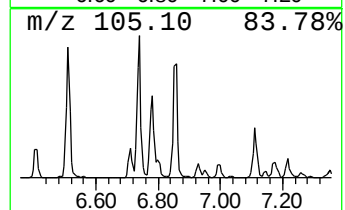
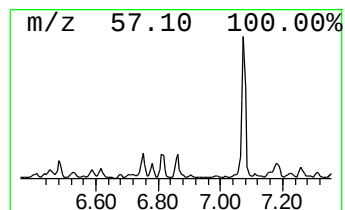
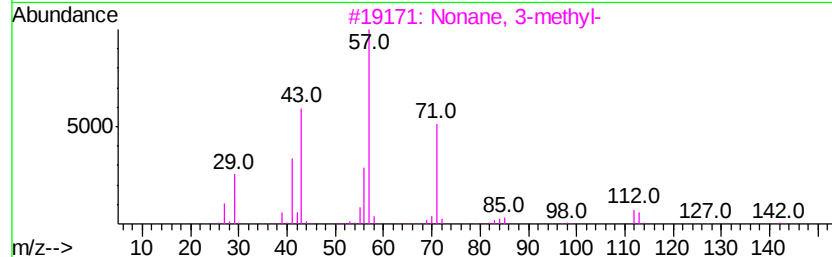
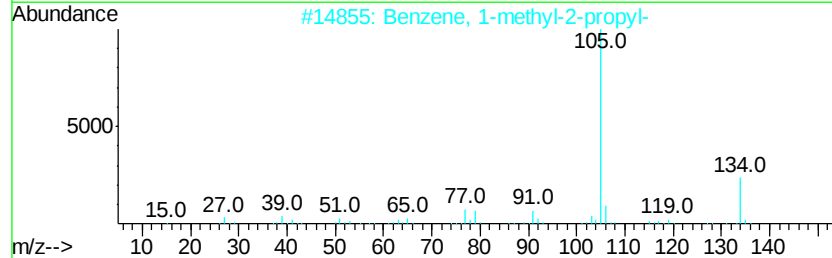
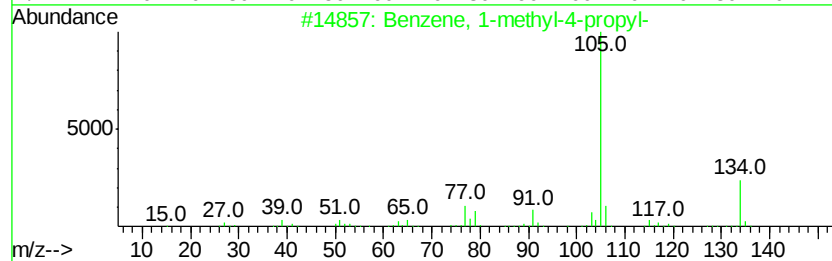
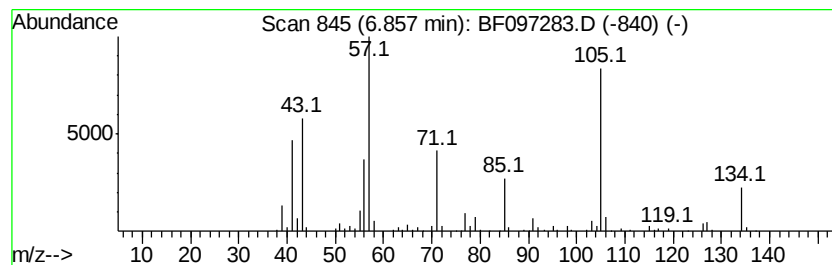
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1-methyl-4-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	16.82 ng	723723	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64
2		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	60
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	38
4		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38
5		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
Operator : SJ/JU
Sample : I4543-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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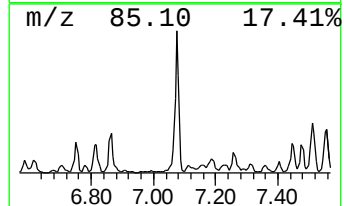
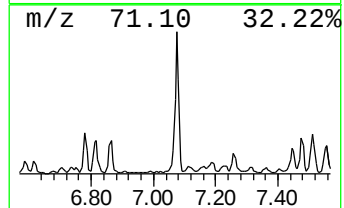
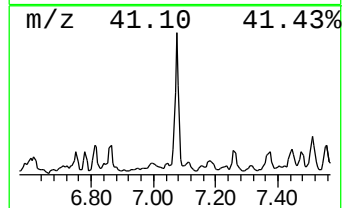
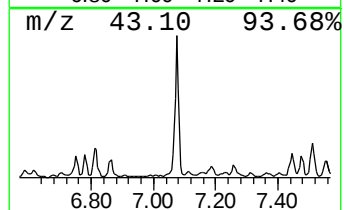
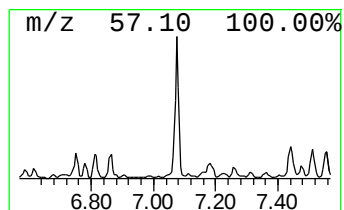
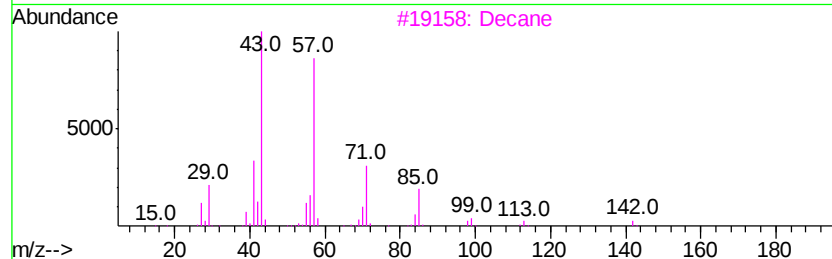
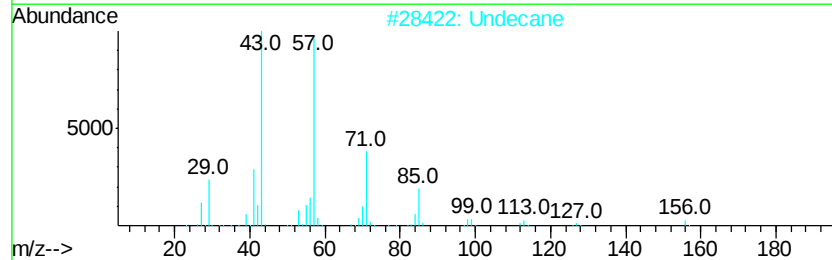
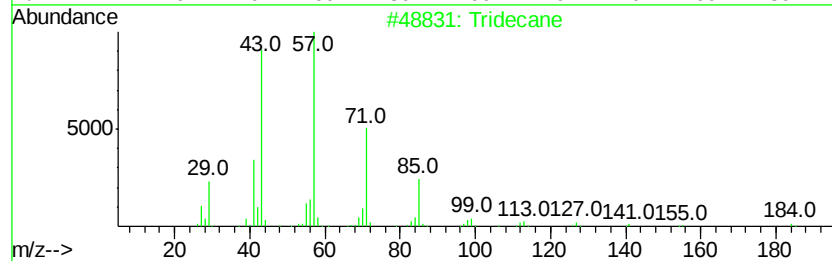
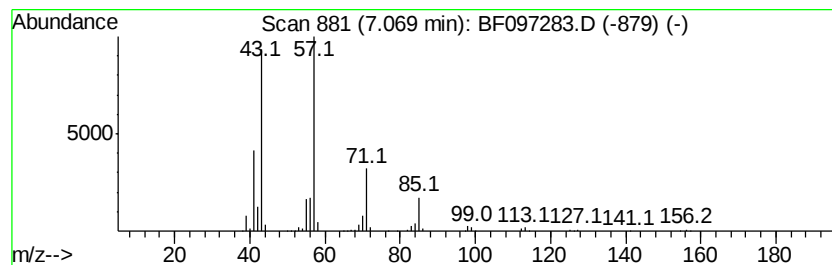
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	46.92 ng	2018640	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	83
2		Undecane	156	C11H24	001120-21-4	83
3		Decane	142	C10H22	000124-18-5	78
4		Tetradecane	198	C14H30	000629-59-4	78
5		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
Operator : SJ/JU
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ClientSampleId :
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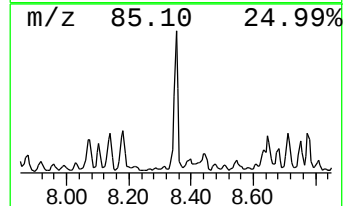
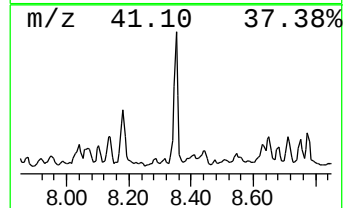
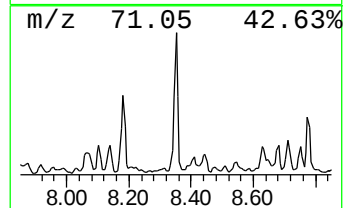
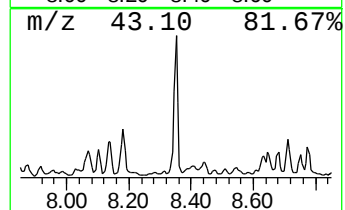
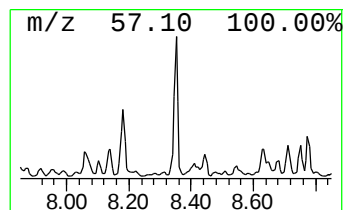
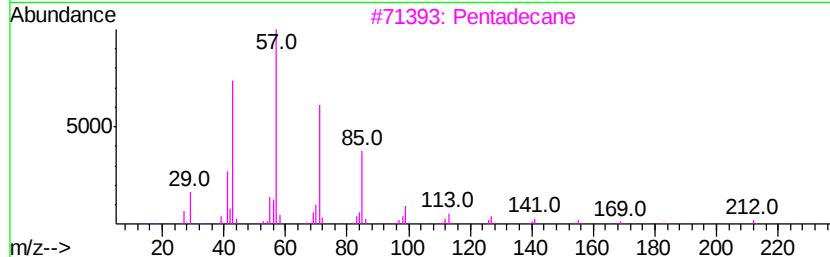
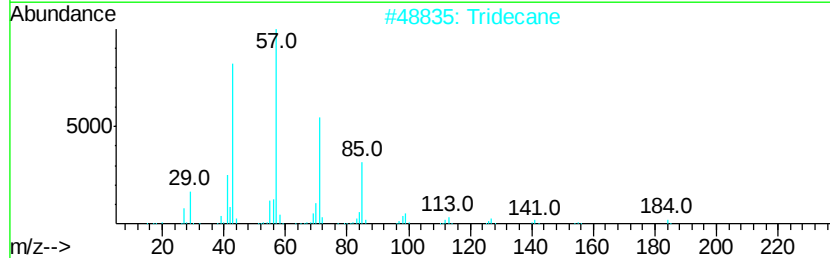
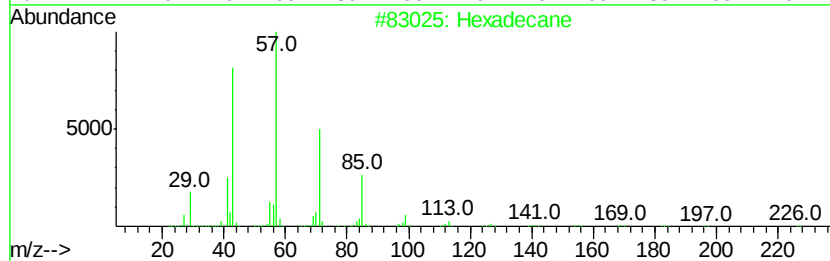
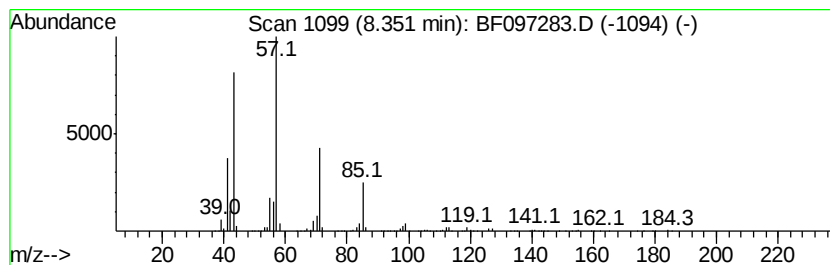
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	11.55 ng	1629340	Naphthalene-d8	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Tridecane	184	C13H28	000629-50-5	86
3		Pentadecane	212	C15H32	000629-62-9	78
4		Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	72
5		1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
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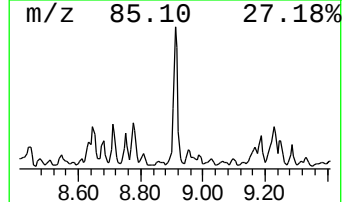
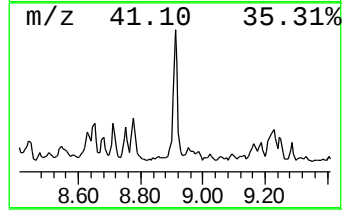
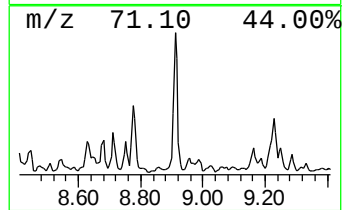
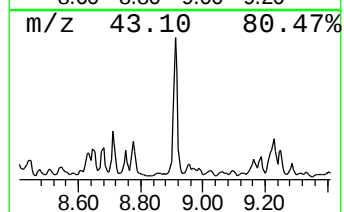
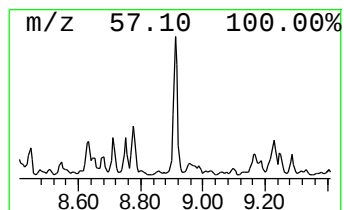
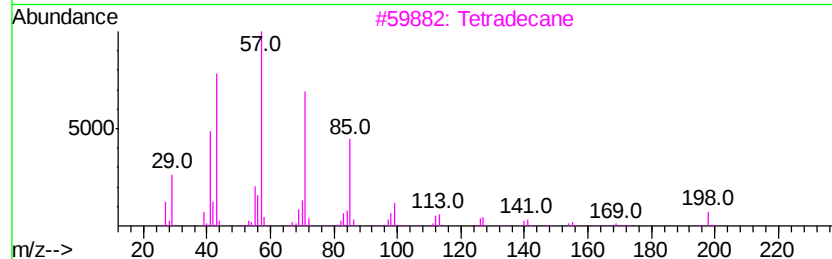
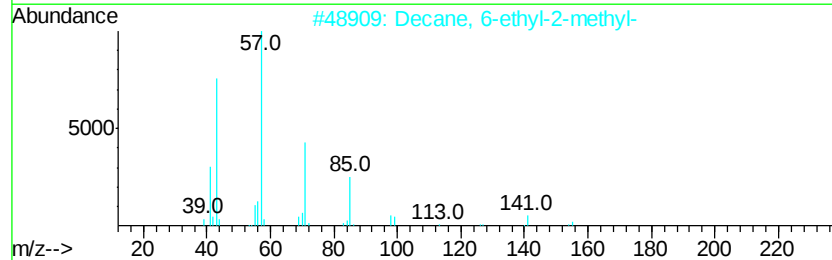
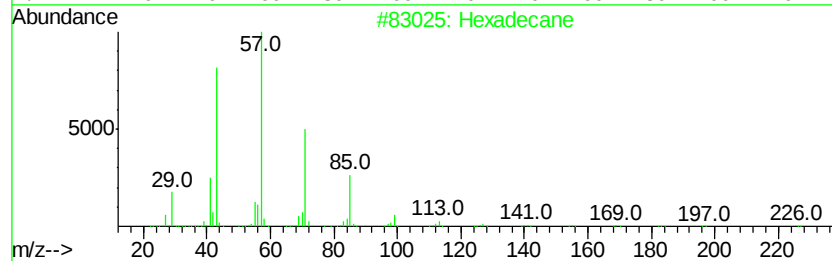
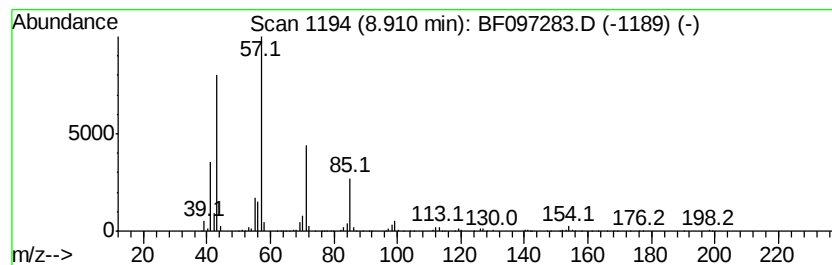
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Decane, 6-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	25.75 ng	1344520	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	83
3		Tetradecane	198	C14H30	000629-59-4	81
4		Pentadecane	212	C15H32	000629-62-9	80
5		Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
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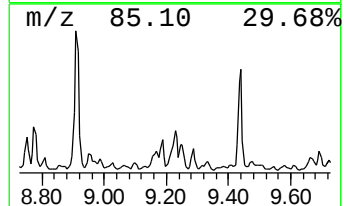
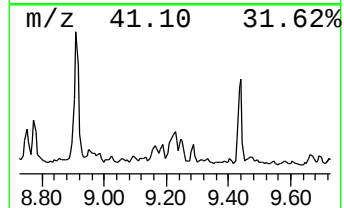
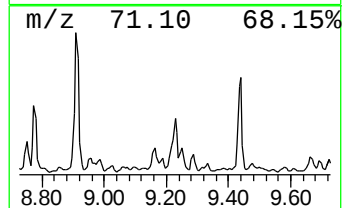
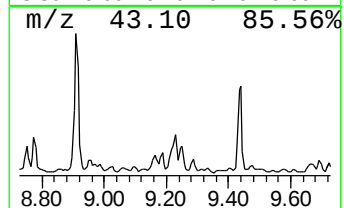
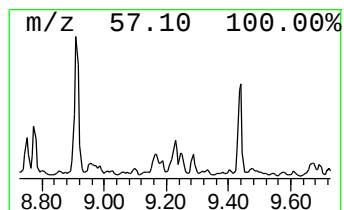
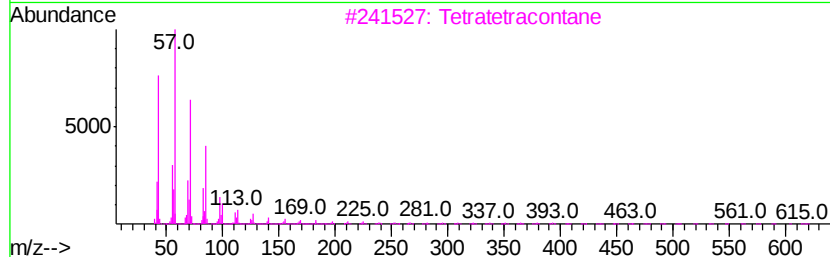
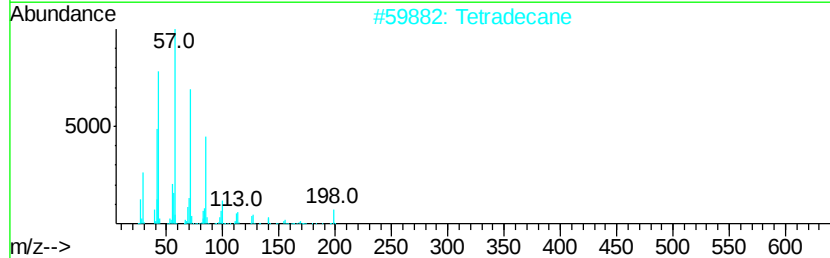
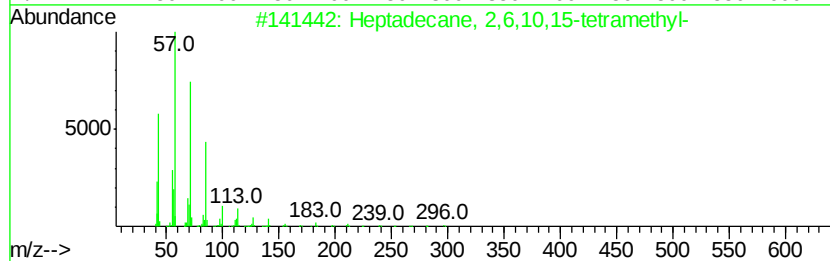
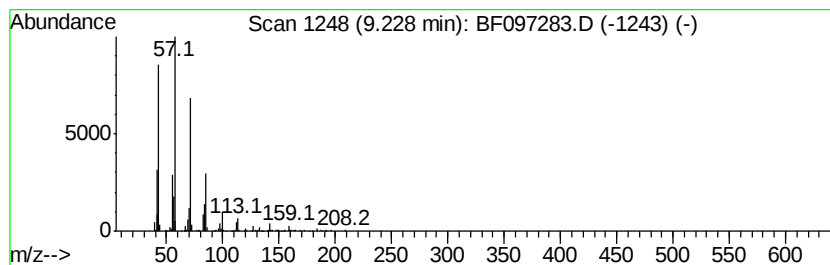
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptadecane, 2,6,10,15-tetr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	14.16 ng	739595	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2		Tetradecane	198	C14H30	000629-59-4	86
3		Tetratetracontane	619	C44H90	007098-22-8	78
4		Hexadecane	226	C16H34	000544-76-3	72
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
Operator : SJ/JU
Sample : I4543-01 10X
Misc :
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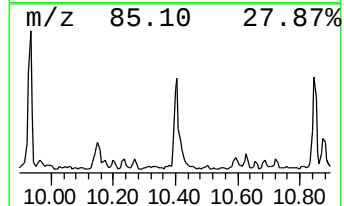
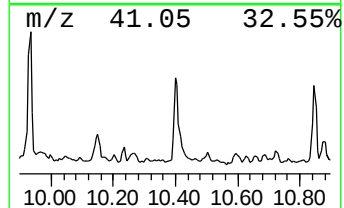
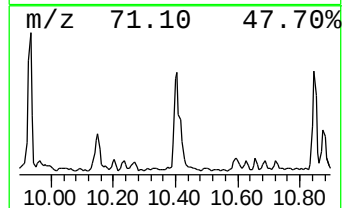
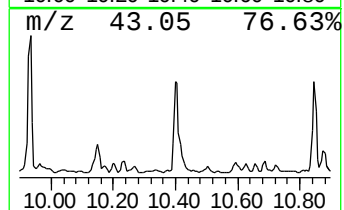
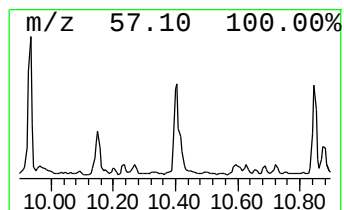
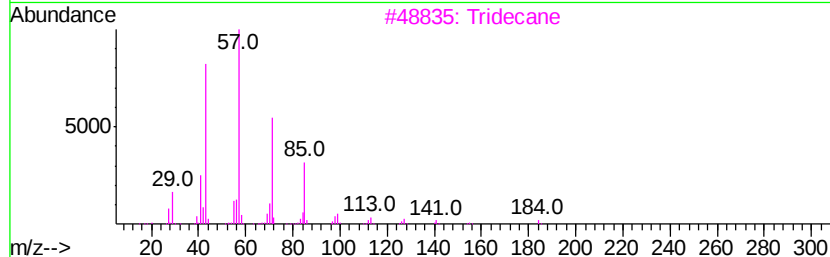
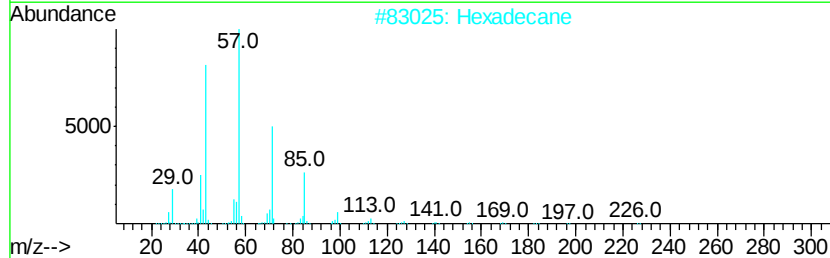
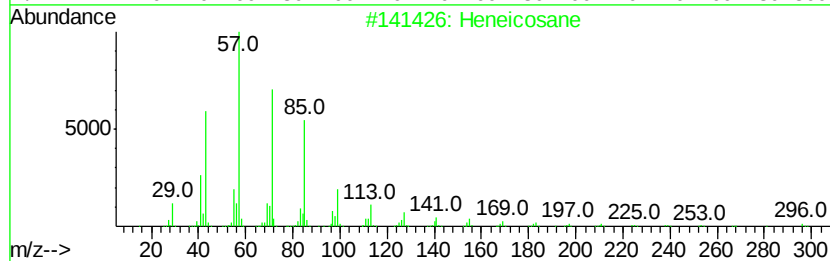
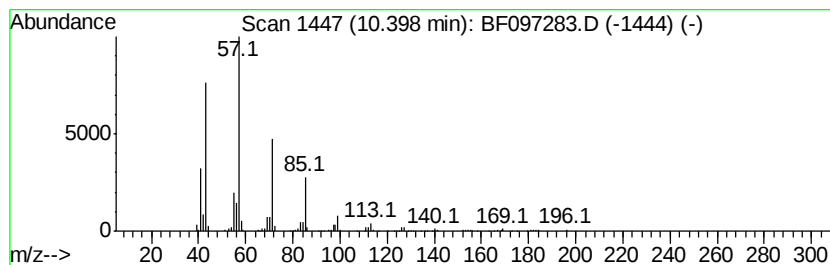
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.40	14.64 ng	615522	Phenanthrene-d10		10.95
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hexadecane	226	C16H34	000544-76-3	87
3	Tridecane	184	C13H28	000629-50-5	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Eicosane	282	C20H42	000112-95-8	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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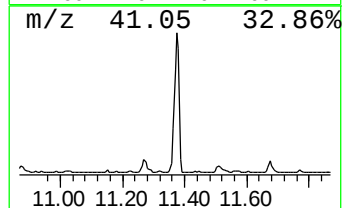
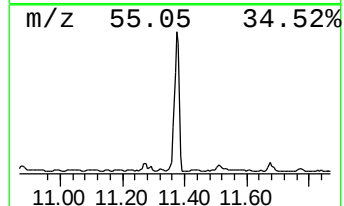
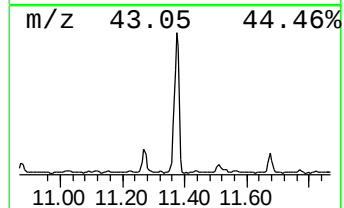
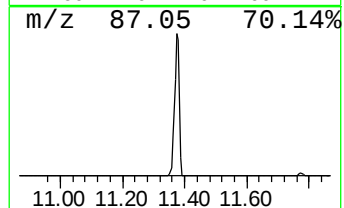
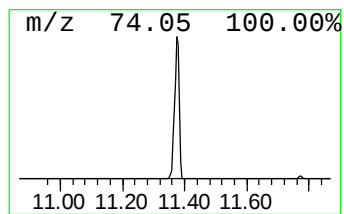
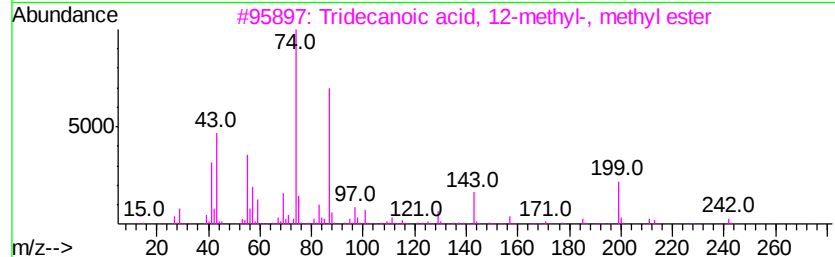
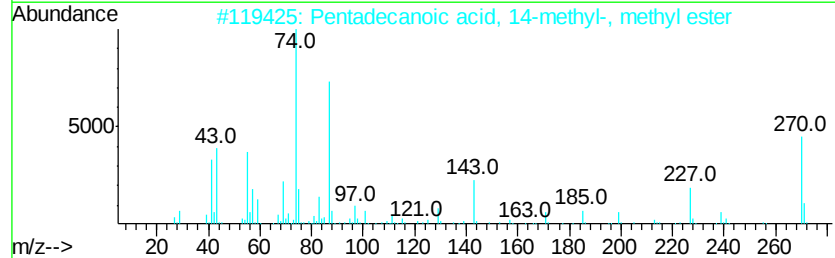
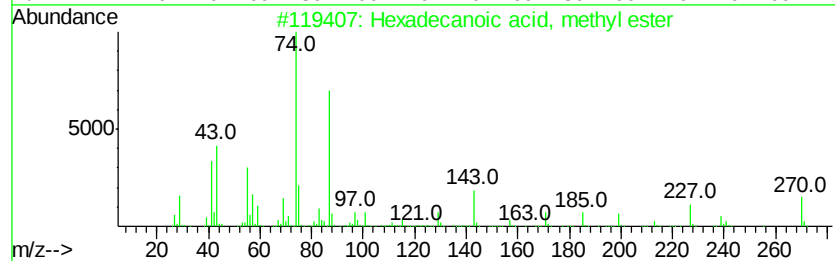
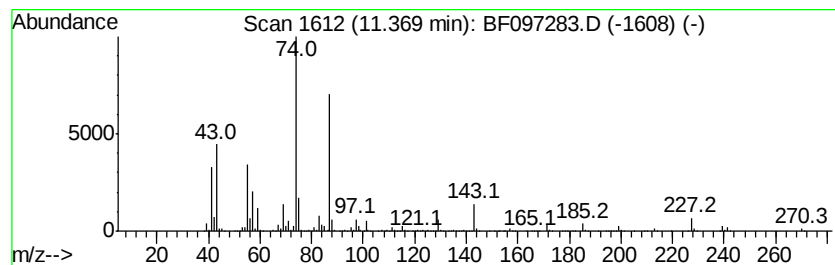
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	104.09 ng	4376470	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3		Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	90
4		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
5		Methyl tetradecanoate	242	C15H30O2	000124-10-7	90



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Sample : I4543-01 10X
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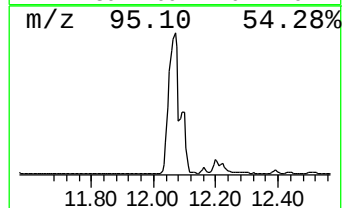
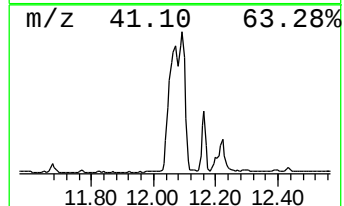
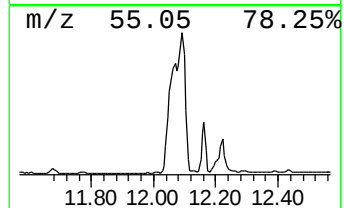
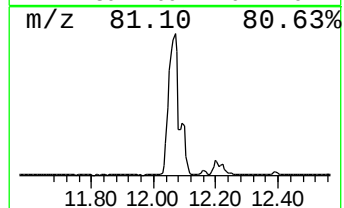
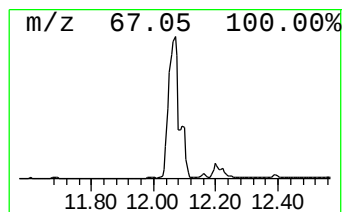
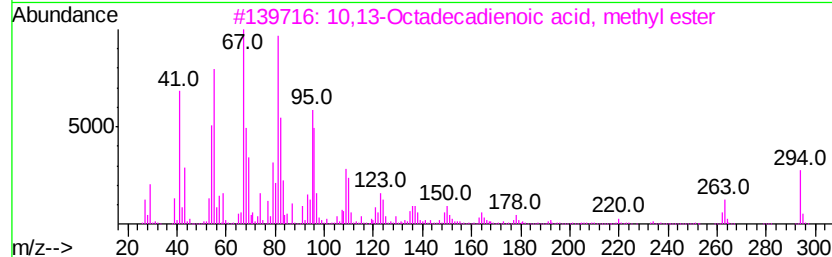
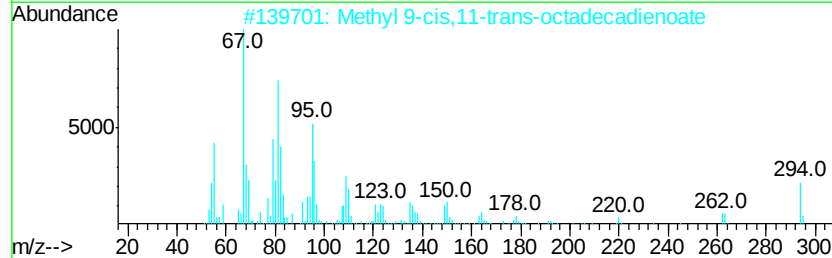
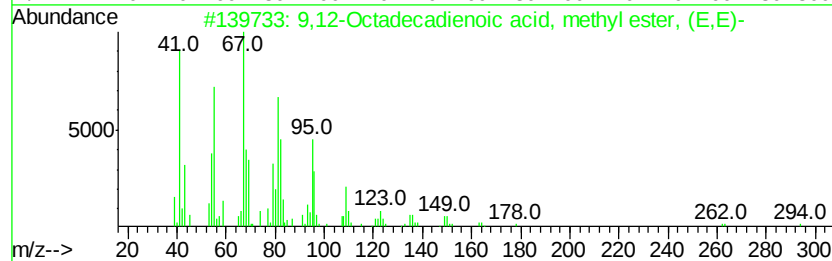
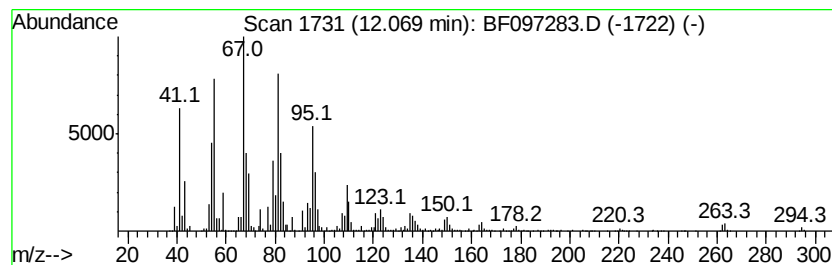
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.07	256.10 ng	10767100	Phenanthrene-d10	10.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99	
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99	
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99	
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99	
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99	



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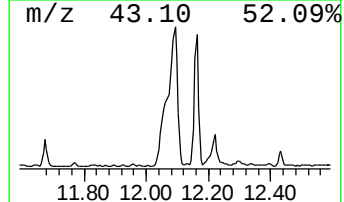
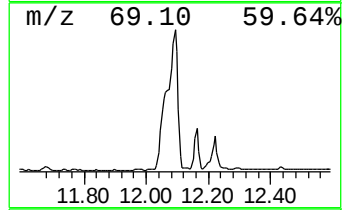
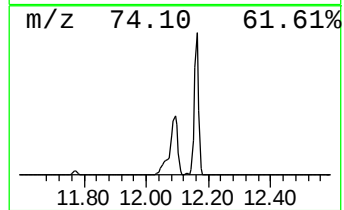
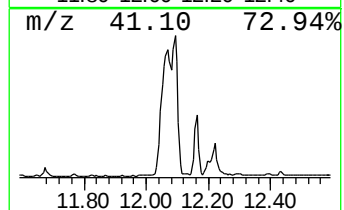
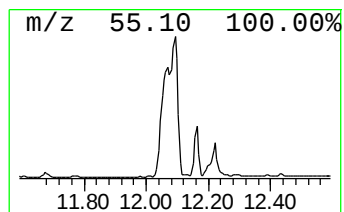
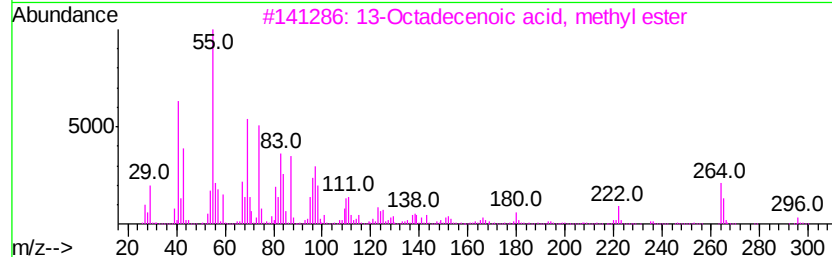
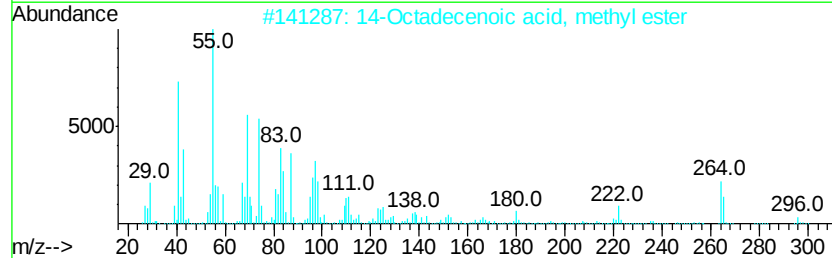
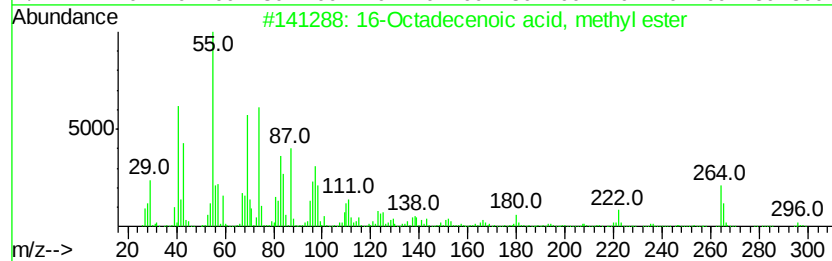
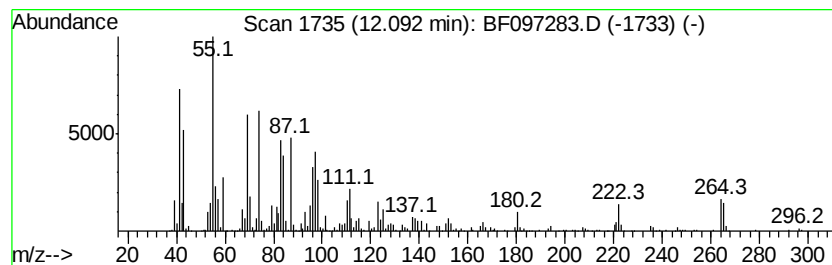
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 16-Octadecenoic acid, methyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	144.35 ng	6068900	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	93
3		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	93
4		9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
5		9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	91



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Misc :
ALS Vial : 14 Sample Multiplier: 1

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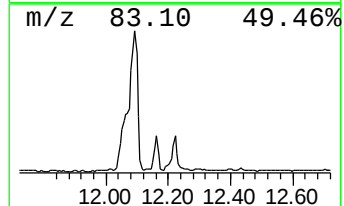
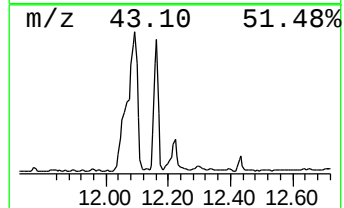
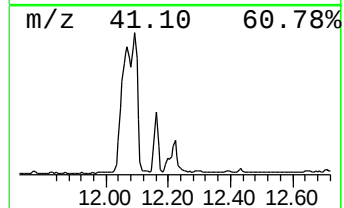
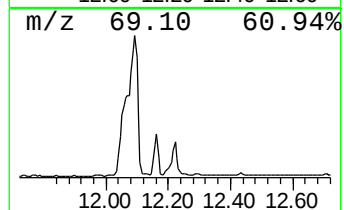
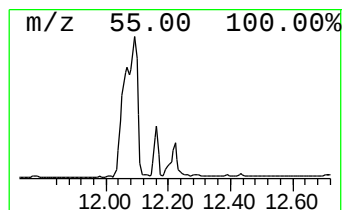
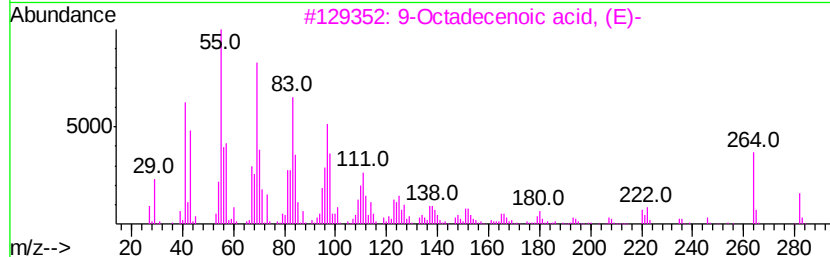
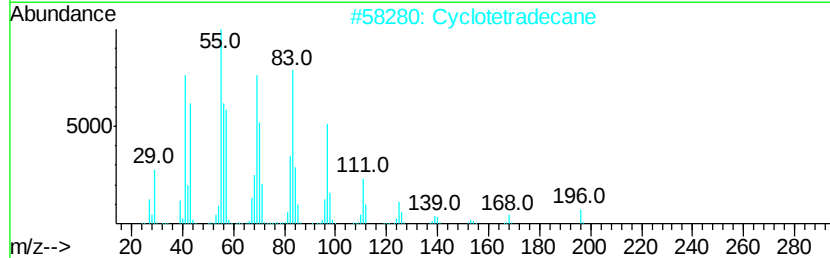
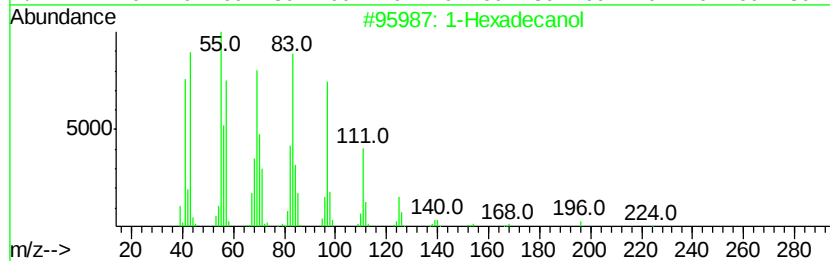
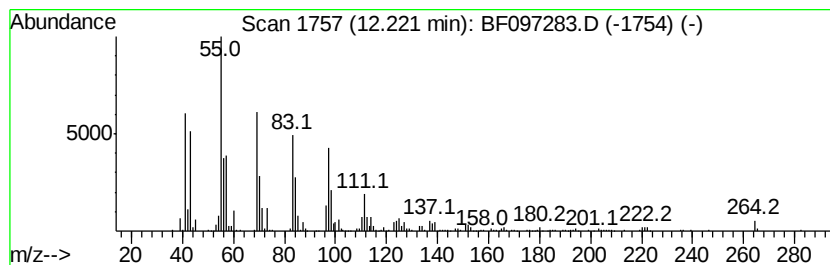
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1-Hexadecanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	29.32 ng	1232680	Phenanthrene-d10	10.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexadecanol	242	C16H34O	036653-82-4	53
2		Cyclotetradecane	196	C14H28	000295-17-0	47
3		9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	47
4		1-Dodecanesulfonyl chloride	268	C12H25ClO2S	010147-40-7	43
5		13-Tetradecenal	210	C14H26O	085896-31-7	41



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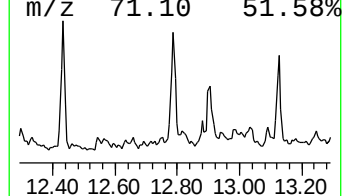
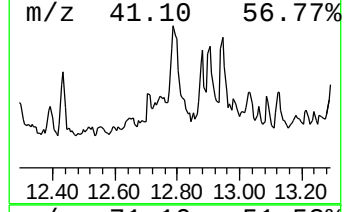
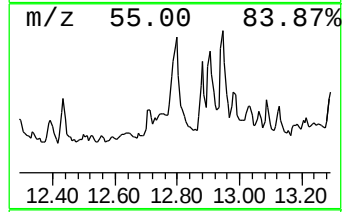
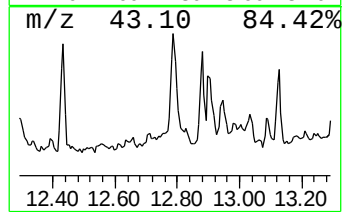
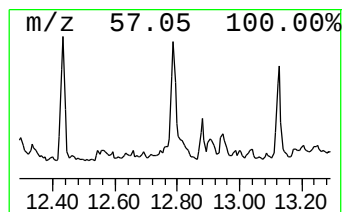
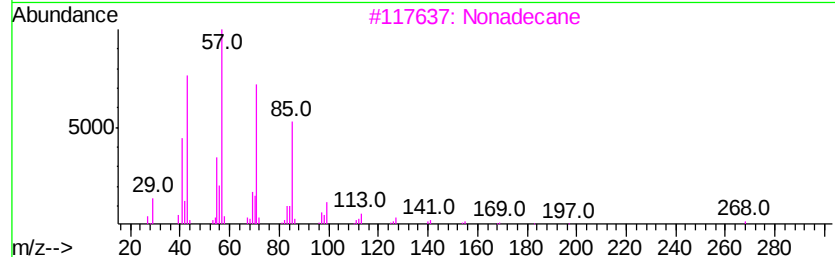
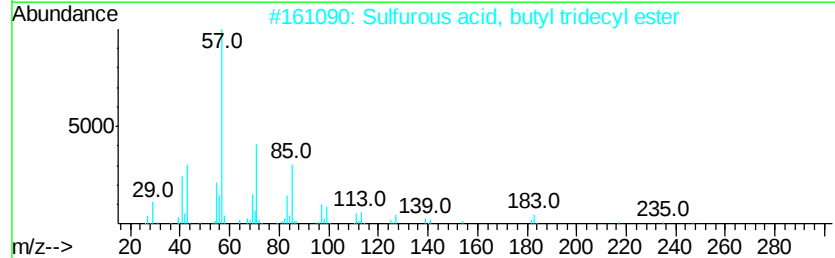
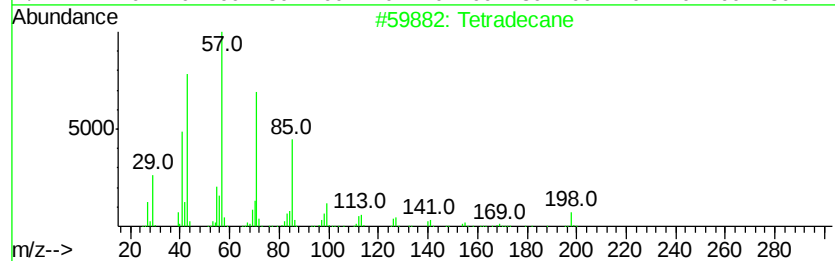
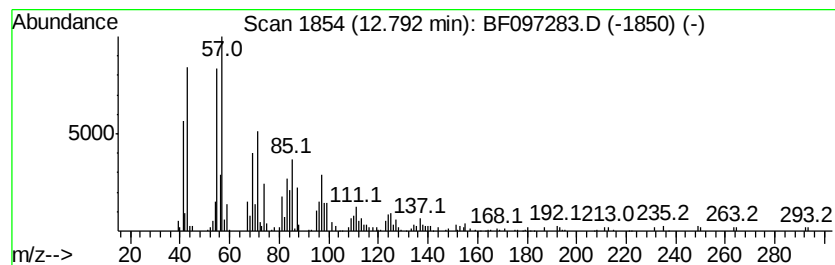
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	16.56 ng	571487	Chrysene-d12	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 95
2		Sulfurous acid, butyl tridecyl e...	320 C17H36O3S	1000309-18-0 86
3		Nonadecane	268 C19H40	000629-92-5 83
4		Octadecane	254 C18H38	000593-45-3 81
5		Hexadecane	226 C16H34	000544-76-3 80



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Sample : I4543-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-073117-A

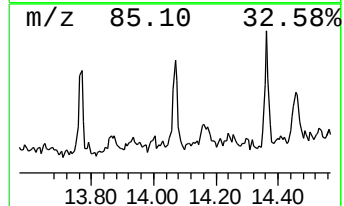
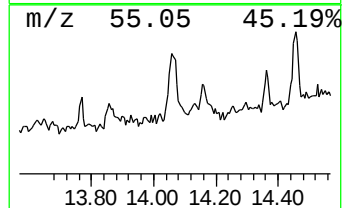
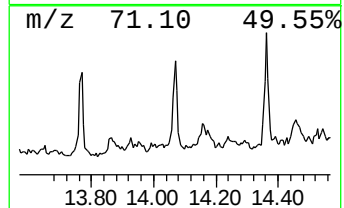
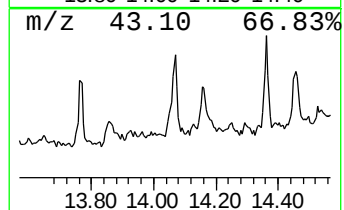
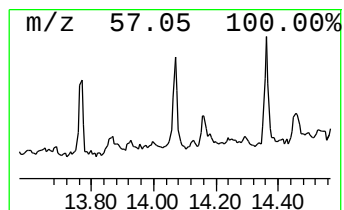
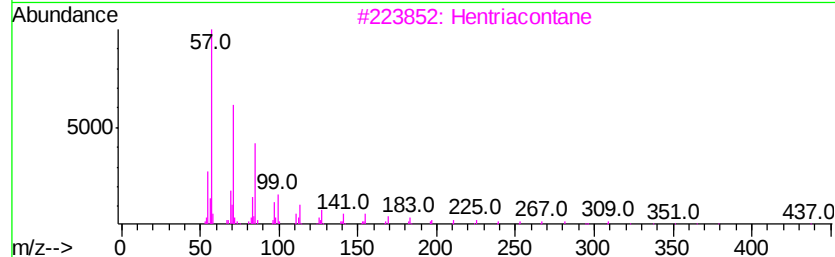
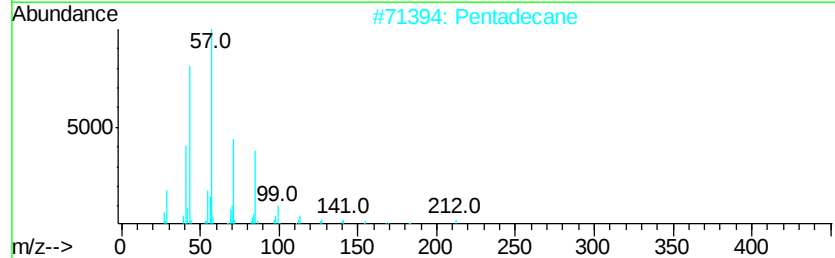
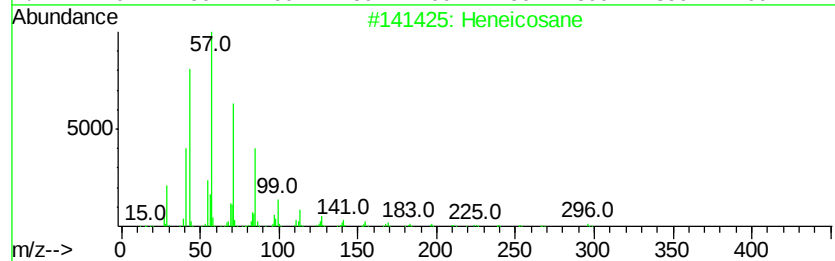
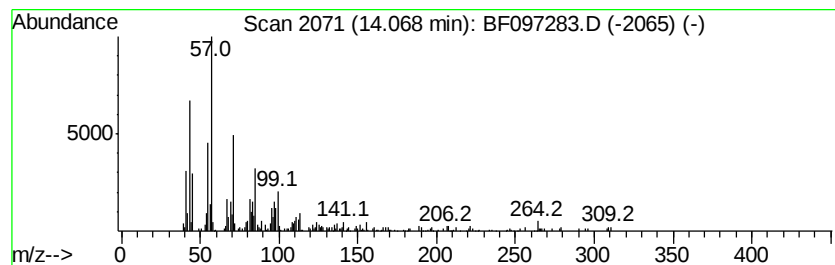
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hentriacontane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	10.77 ng	371576	Chrysene-d12	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Pentadecane	212	C15H32	000629-62-9	90
3		Hentriacontane	437	C31H64	000630-04-6	68
4		Octacosane	394	C28H58	000630-02-4	68
5		Eicosane, 2-methyl-	296	C21H44	001560-84-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097283.D
Acq On : 2 Aug 2017 19:48
Operator : SJ/JU
Sample : I4543-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-073117-A

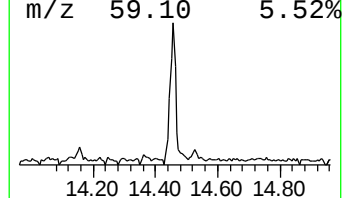
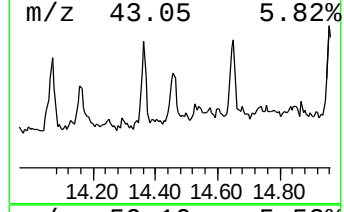
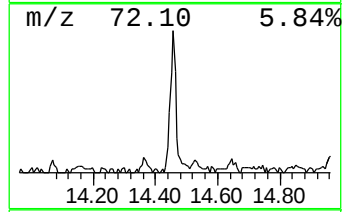
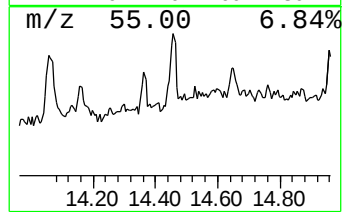
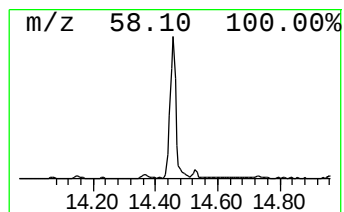
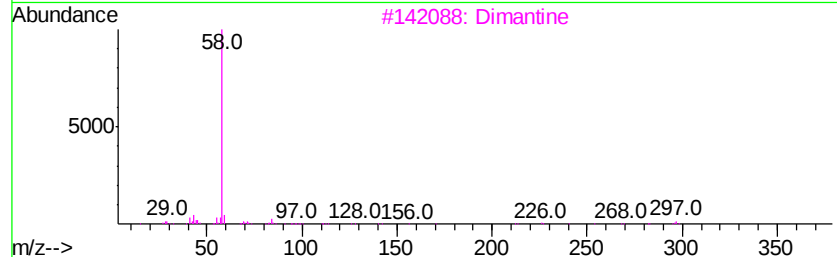
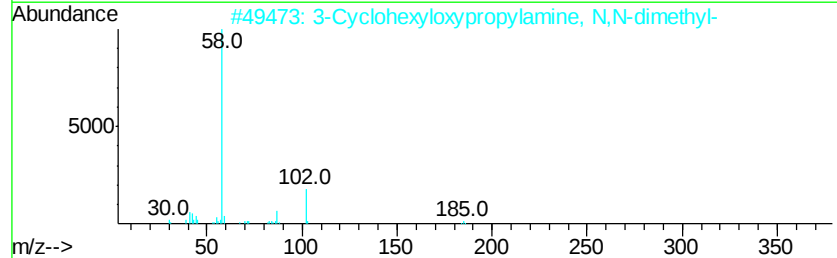
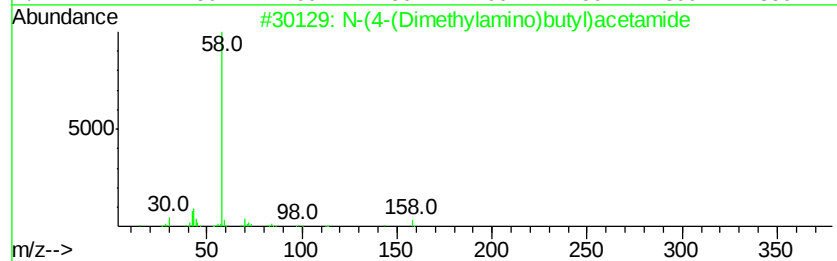
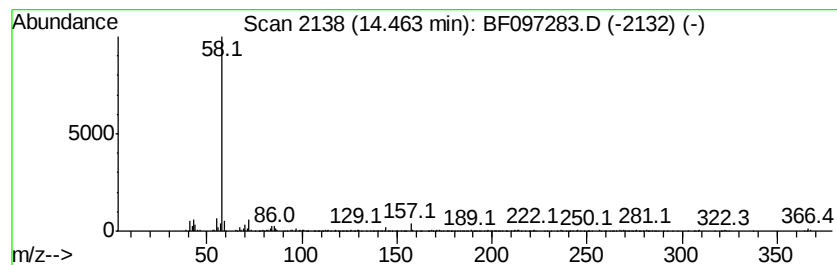
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 N-(4-(Dimethylamino)butyl)ac... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	18.62 ng	535090	Perylene-d12	14.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N-(4-(Dimethylamino)butyl)acetamide	158	C8H18N2O	1000378-76-2	72
2		3-Cyclohexyloxypropylamine, N,N-...	185	C11H23NO	071126-67-5	64
3		Dimantine	297	C20H43N	000124-28-7	64
4		3-(Dimethylamino)propyl isothioc...	144	C6H12N2S	027421-70-1	64
5		2-Butanone, 4-(dimethylamino)-3-...	129	C7H15NO	022104-62-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
 Data File : BF097283.D
 Acq On : 2 Aug 2017 19:48
 Operator : SJ/JU
 Sample : I4543-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-073117-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
Nonane, 2-methyl-	5.99	10.6	ng	455982	1	6.45	860543	20.0
Silane, trichloro...	6.30	36.1	ng	1554860	1	6.45	860543	20.0
Decane, 5-methyl-	6.75	11.2	ng	479558	1	6.45	860543	20.0
Benzene, 1,3-diet...	6.78	13.4	ng	576939	1	6.45	860543	20.0
Decane, 2-methyl-	6.81	11.1	ng	475656	1	6.45	860543	20.0
Benzene, 1-methyl...	6.86	16.8	ng	723723	1	6.45	860543	20.0
Tridecane	7.07	46.9	ng	2018640	1	6.45	860543	20.0
Hexadecane	8.35	11.6	ng	1629340	2	7.73	2822450	20.0
Decane, 6-ethyl-2...	8.91	25.8	ng	1344520	3	9.47	1044440	20.0
Heptadecane, 2,6,...	9.23	14.2	ng	739595	3	9.47	1044440	20.0
Heneicosane	10.40	14.6	ng	615522	4	10.95	840867	20.0
Hexadecanoic acid...	11.37	104.1	ng	4376470	4	10.95	840867	20.0
9,12-Octadecadien...	12.07	256.1	ng	10767100	4	10.95	840867	20.0
16-Octadecenoic a...	12.09	144.3	ng	6068900	4	10.95	840867	20.0
1-Hexadecanol	12.22	29.3	ng	1232680	4	10.95	840867	20.0
Tetradecane	12.79	16.6	ng	571487	5	13.57	690022	20.0
Hentriacontane	14.07	10.8	ng	371576	5	13.57	690022	20.0
N-(4-(Dimethylami...	14.46	18.6	ng	535090	6	14.92	574892	20.0