

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093396.D
 Acq On : 4 Mar 2017 10:16
 Operator : SJ/MA
 Sample : I2056-13 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12B-23

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.893	154	158	160	rBV	72829	145897	1.67%	0.070%
2	4.053	169	172	175	rBV2	42632	91462	1.05%	0.044%
3	4.270	188	191	196	rBV2	128216	237495	2.72%	0.114%
4	4.384	196	201	205	rVB	77845	135010	1.54%	0.065%
5	4.613	219	221	223	rBV	65635	99026	1.13%	0.047%
6	4.738	227	232	234	rBV	271290	361577	4.14%	0.173%
7	4.784	234	236	237	rVV	69894	104302	1.19%	0.050%
8	4.830	237	240	244	rVV2	280456	574057	6.57%	0.275%
9	4.899	244	246	251	rVV2	671781	1017730	11.64%	0.488%
10	4.967	251	252	254	rVV2	89367	124891	1.43%	0.060%
11	5.036	254	258	261	rVB	93226	205398	2.35%	0.098%
12	5.116	263	265	267	rBV	697899	874966	10.01%	0.419%
13	5.150	267	268	272	rVB3	79886	144489	1.65%	0.069%
14	5.299	278	281	283	rBV2	106522	212328	2.43%	0.102%
15	5.379	286	288	290	rBV	559100	806824	9.23%	0.387%
16	5.413	290	291	294	rVB	283526	283235	3.24%	0.136%
17	5.504	297	299	301	rBV2	619692	829854	9.50%	0.398%
18	5.550	301	303	305	rVB	635419	562622	6.44%	0.270%
19	5.596	305	307	311	rVB2	452307	737859	8.44%	0.354%
20	5.664	311	313	315	rBV	232944	230982	2.64%	0.111%
21	5.767	318	322	324	rBV2	799932	1211859	13.87%	0.581%
22	5.824	324	327	328	rBV2	459057	789311	9.03%	0.378%
23	5.847	328	329	331	rVB2	78505	93565	1.07%	0.045%
24	5.904	332	334	337	rVB2	1356131	1640213	18.77%	0.786%
25	5.961	337	339	341	rBV2	408269	741952	8.49%	0.356%
26	6.007	341	343	346	rBV	2755491	3489727	39.93%	1.673%
27	6.064	346	348	350	rBV	1391775	1353882	15.49%	0.649%
28	6.099	350	351	357	rVB4	491012	1400945	16.03%	0.672%
29	6.201	357	360	365	rBV2	1068893	2760178	31.58%	1.323%
30	6.270	365	366	367	rBV	1404075	1140518	13.05%	0.547%
31	6.293	367	368	373	rVB3	1394736	2365449	27.07%	1.134%
32	6.384	373	376	378	rBV3	438628	963738	11.03%	0.462%
33	6.441	378	381	382	rBV2	1082288	1780037	20.37%	0.853%
34	6.476	382	384	385	rVB	442673	527625	6.04%	0.253%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.510	385	387	390	rBV3	1210382	3076885	35.21%	1.475%
36	6.556	390	391	394	rVB2	1661803	1730416	19.80%	0.829%
37	6.636	394	398	399	rBV3	782596	1280558	14.65%	0.614%
38	6.682	399	402	403	rBV2	183852	388651	4.45%	0.186%
39	6.739	403	407	409	rBV2	1204601	2835531	32.44%	1.359%
40	6.796	409	412	414	rVB2	2843897	5696845	65.18%	2.731%
41	6.842	414	416	418	rBV	1122850	1501255	17.18%	0.720%
42	6.876	418	419	420	rBV	520288	547329	6.26%	0.262%
43	6.933	422	424	428	rVB3	2895834	4779251	54.68%	2.291%
44	7.070	428	436	437	rBV3	1684362	4813820	55.08%	2.307%
45	7.104	437	439	441	rBV2	627089	1183032	13.54%	0.567%
46	7.139	441	442	444	rVB2	480048	398714	4.56%	0.191%
47	7.184	444	446	447	rBV	1286537	1838756	21.04%	0.881%
48	7.264	451	453	454	rBV	556886	711283	8.14%	0.341%
49	7.333	454	459	460	rBV2	2272176	4444222	50.85%	2.130%
50	7.367	460	462	465	rVB3	1491153	2851059	32.62%	1.367%
51	7.436	465	468	470	rVB2	2365361	3658332	41.86%	1.754%
52	7.504	470	474	476	rBV2	1948932	4531217	51.85%	2.172%
53	7.550	476	478	479	rBV	996933	1597849	18.28%	0.766%
54	7.596	479	482	484	rVB3	2228775	4170861	47.72%	1.999%
55	7.630	484	485	488	rBV3	566611	1138367	13.03%	0.546%
56	7.710	488	492	495	rBV5	2052189	5792963	66.28%	2.777%
57	7.756	495	496	500	rVB3	933182	1310867	15.00%	0.628%
58	7.824	500	502	506	rVB4	2259467	4292077	49.11%	2.057%
59	7.905	506	509	511	rBV3	1673707	2402124	27.49%	1.151%
60	7.962	511	514	515	rBV2	1711125	3130409	35.82%	1.501%
61	8.019	517	519	521	rBV2	1301974	2675676	30.62%	1.283%
62	8.076	521	524	526	rVV3	1578436	2705065	30.95%	1.297%
63	8.145	528	530	537	rVB	3361418	8739660	100.00%	4.189%
64	8.247	537	539	540	rBV	1156400	2105286	24.09%	1.009%
65	8.282	540	542	544	rVB3	1924842	2160785	24.72%	1.036%
66	8.373	547	550	552	rVB4	2448713	3309193	37.86%	1.586%
67	8.430	552	555	557	rBV4	694711	1842631	21.08%	0.883%
68	8.465	557	558	560	rVB2	1115652	1107600	12.67%	0.531%
69	8.510	560	562	567	rBV4	4026242	7583889	86.78%	3.635%
70	8.590	567	569	570	rBV	1685522	1577716	18.05%	0.756%
71	8.625	570	572	573	rBV2	1900542	2475967	28.33%	1.187%

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72	8.739	581	582	583	rBV	959074	837772	9.59%	0.402%
73	8.773	583	585	588	rVB3	2098876	2534074	29.00%	1.215%
74	8.899	594	596	600	rVV3	1153871	2318404	26.53%	1.111%
75	8.990	603	604	606	rVB2	1944156	1913506	21.89%	0.917%
76	9.116	612	615	617	rBV2	3399158	5527619	63.25%	2.650%
77	9.230	623	625	628	rBV3	2279333	4879393	55.83%	2.339%
78	9.310	628	632	634	rVV4	964454	2735164	31.30%	1.311%
79	9.425	640	642	644	rVB3	1160670	1818719	20.81%	0.872%
80	9.470	644	646	647	rBV	998555	1357996	15.54%	0.651%
81	9.505	647	649	650	rVV	1386677	2081981	23.82%	0.998%
82	9.562	652	654	658	rVB	2605913	5446361	62.32%	2.611%
83	9.699	665	666	669	rBV3	1263959	2383273	27.27%	1.142%
84	9.745	669	670	672	rVB2	2007176	1547271	17.70%	0.742%
85	9.813	674	676	679	rVV4	1211714	2449032	28.02%	1.174%
86	9.950	686	688	690	rVB	1054564	1495982	17.12%	0.717%
87	9.996	690	692	693	rBV2	880479	1418914	16.24%	0.680%
88	10.030	693	695	699	rVV2	1516326	2725201	31.18%	1.306%
89	10.099	699	701	704	rVB4	1752485	2905989	33.25%	1.393%
90	10.156	704	706	708	rBV2	1395641	2162623	24.74%	1.037%
91	10.248	712	714	717	rBV3	1319381	2533596	28.99%	1.214%
92	10.499	733	736	738	rVB	2508715	4249928	48.63%	2.037%
93	10.533	738	739	742	rVB3	889034	1291515	14.78%	0.619%
94	10.762	756	759	762	rBV2	3368622	6070262	69.46%	2.910%
95	10.968	775	777	780	rVB4	1064649	1225278	14.02%	0.587%
96	11.219	797	799	802	rVB	2546441	4395495	50.29%	2.107%
97	11.573	828	830	831	rBV2	1117629	1325580	15.17%	0.635%
98	12.305	892	894	898	rVB	917868	1225090	14.02%	0.587%
99	16.351	1246	1248	1251	rVV3	581013	1246834	14.27%	0.598%
100	16.420	1252	1254	1259	rVB	1081566	2092256	23.94%	1.003%

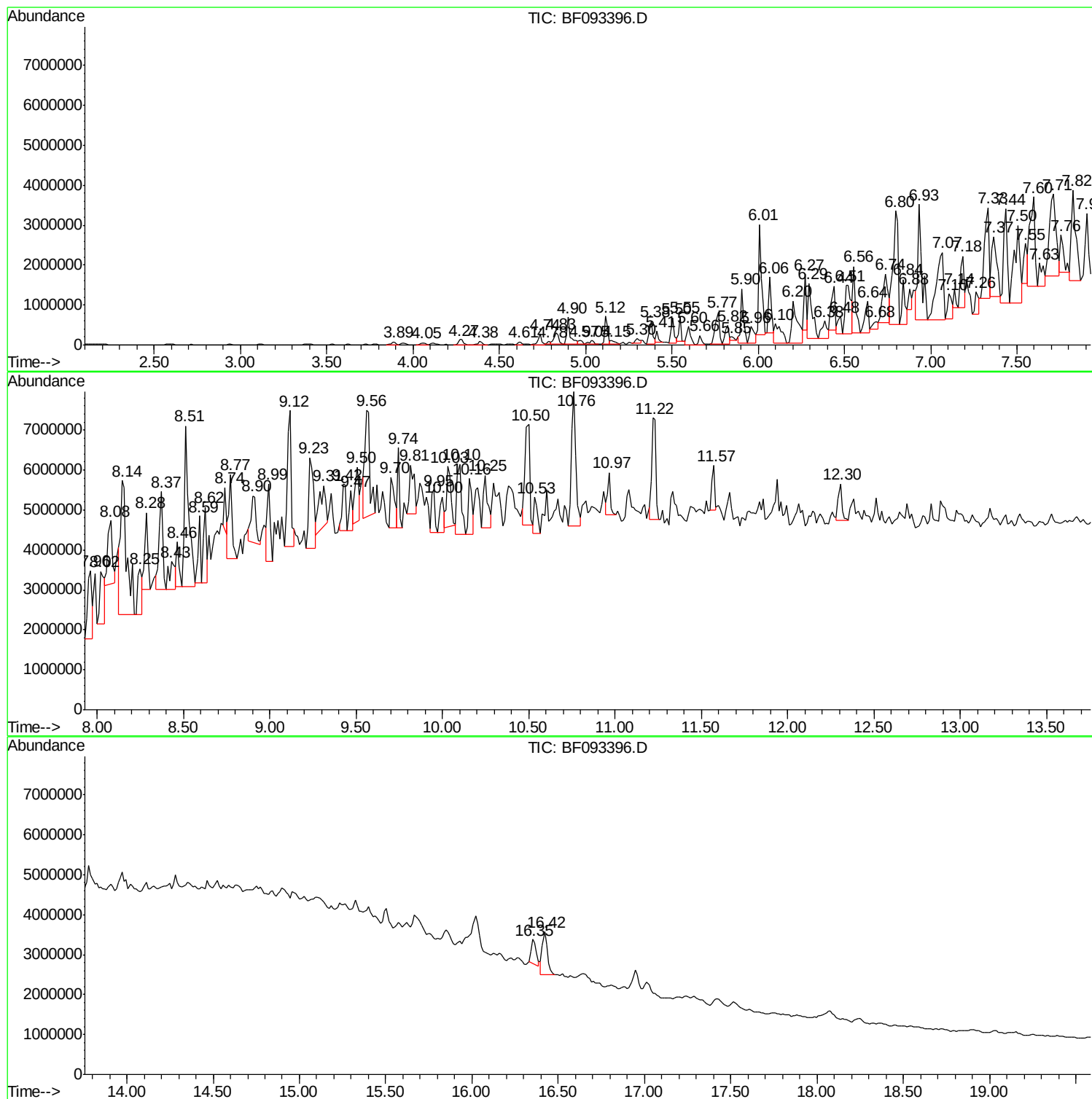
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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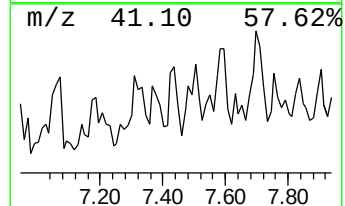
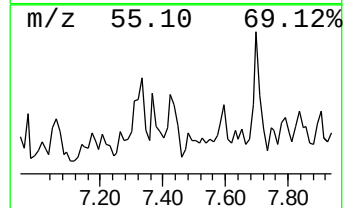
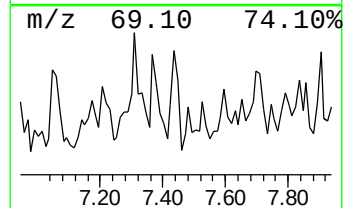
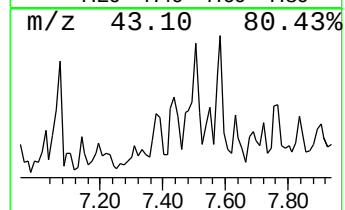
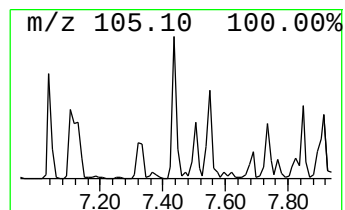
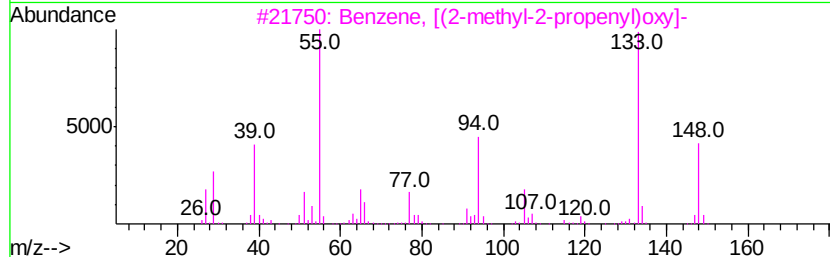
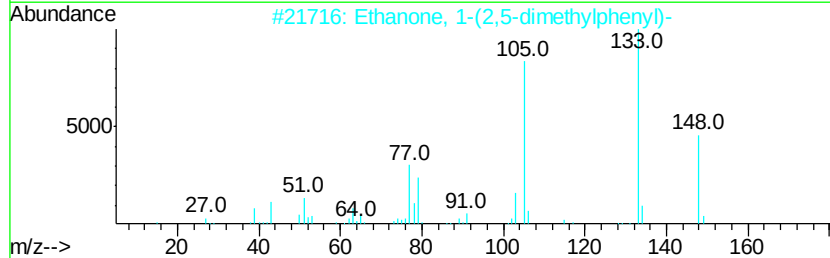
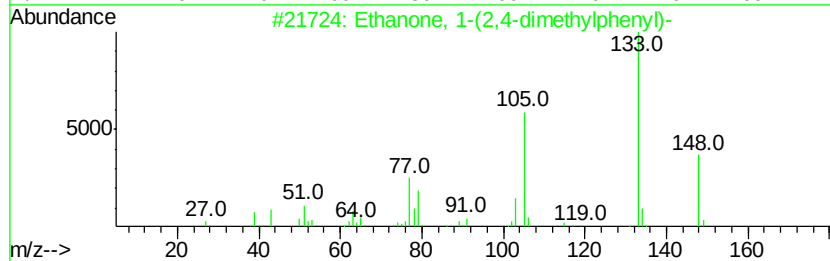
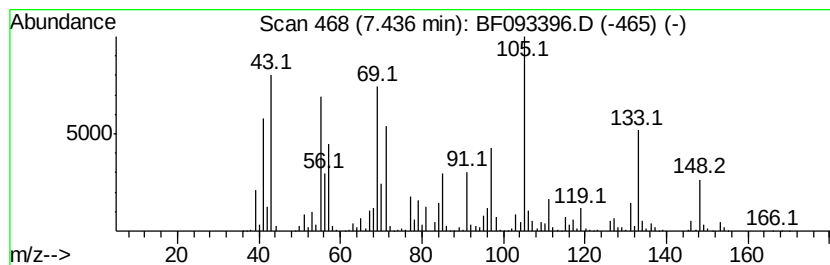
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.44 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	27.05 ng	3658330	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	25
2		Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	25
3		Benzene, [(2-methyl-2-propenyl)oxy]-	148	C10H12O	005820-22-4	25
4		2,6-Octadien-1-ol, 3,7-dimethyl-	154	C10H18O	000106-24-1	18
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	15



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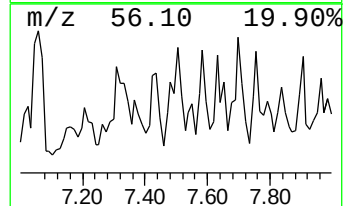
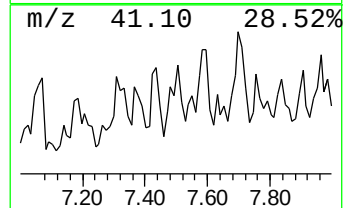
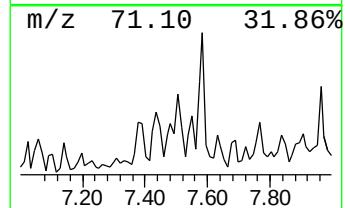
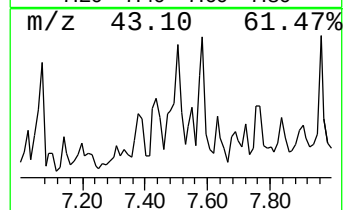
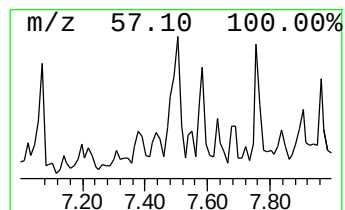
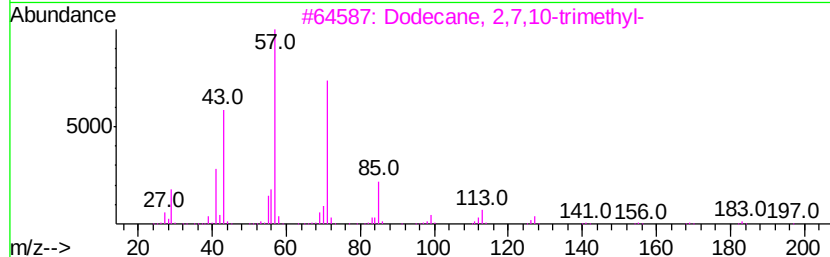
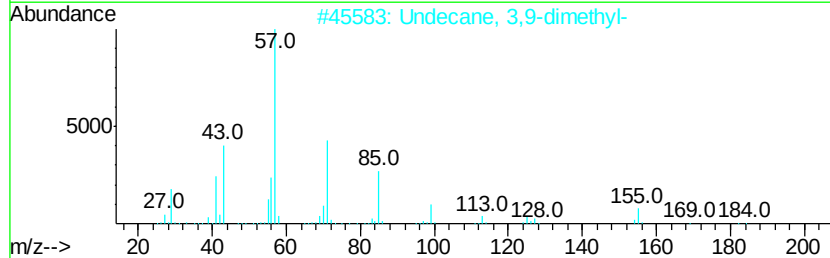
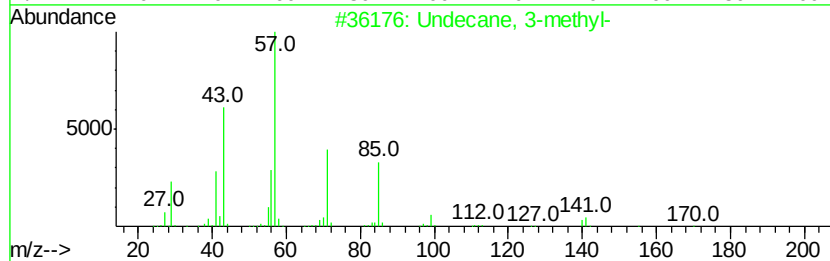
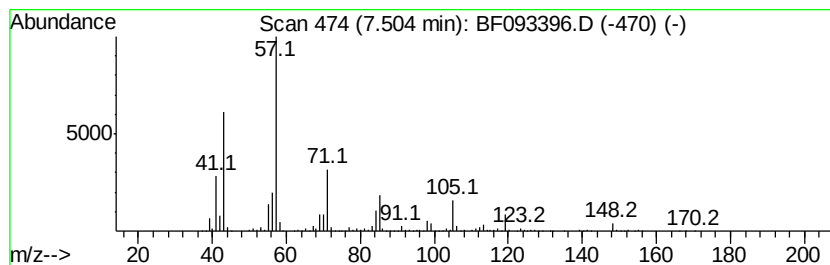
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Undecane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	33.50 ng	4531220	Napthalene-d8	8.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 3-methyl-	170 C12H26	001002-43-3	50
2	Undecane, 3,9-dimethyl-	184 C13H28	017301-31-4	50
3	Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0	47
4	Octane, 4-ethyl-	142 C10H22	015869-86-0	47
5	Decane	142 C10H22	000124-18-5	47



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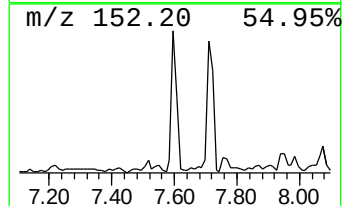
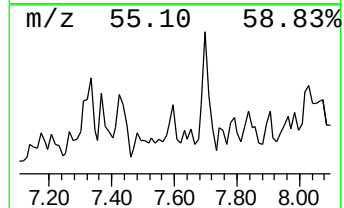
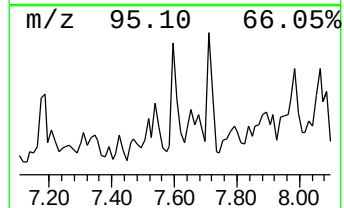
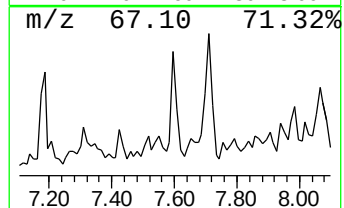
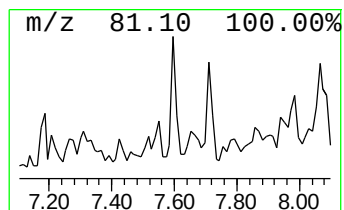
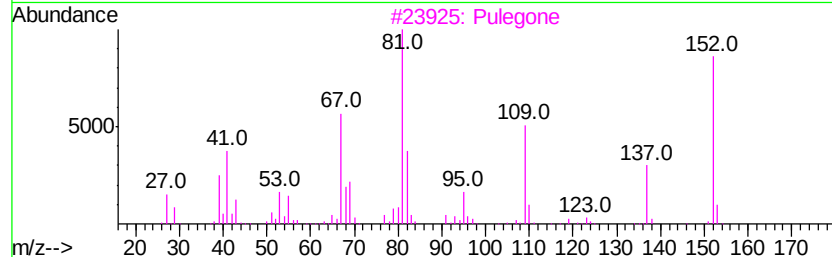
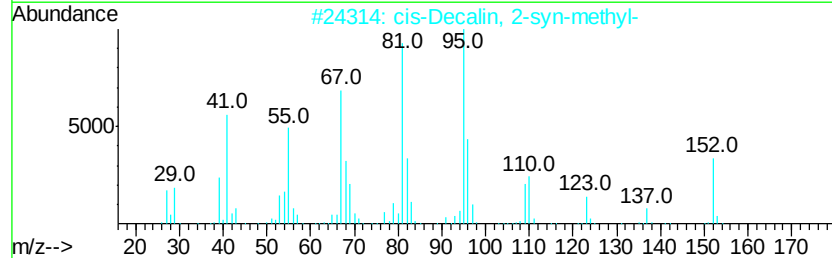
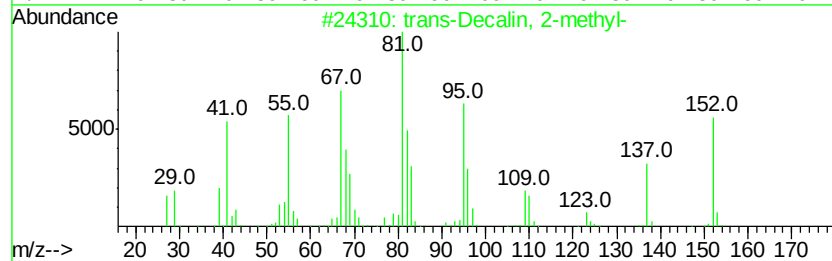
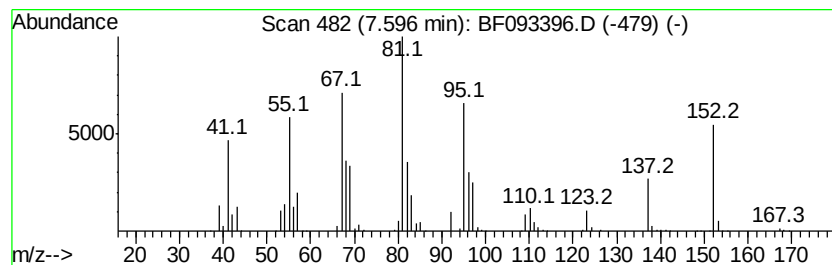
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Peak Number 3 trans-Decalin, 2-methyl- Concentration Rank 10

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7.60	30.84 ng	4170860	Naphthalene-d8	8.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	87
2	cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6	72
3	Pulegone	152 C10H16O	000089-82-7	53
4	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	53
5	Bicyclo[4.1.0]heptan-2-one, 3,5,...	152 C10H16O	029750-24-1	49



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ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
12B-23

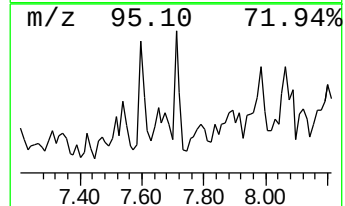
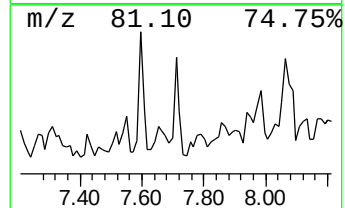
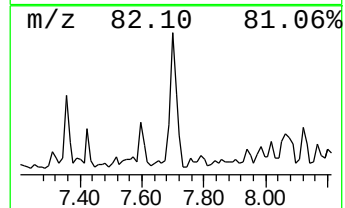
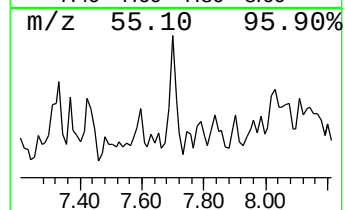
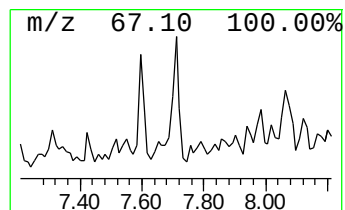
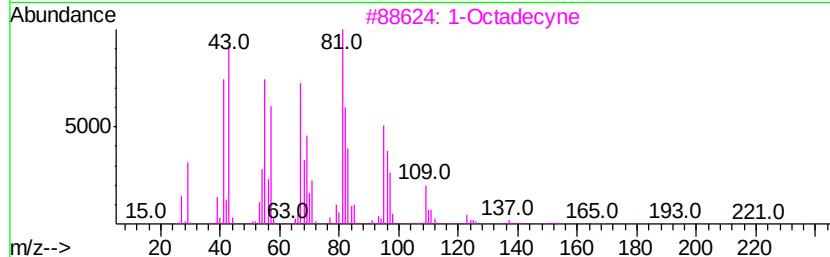
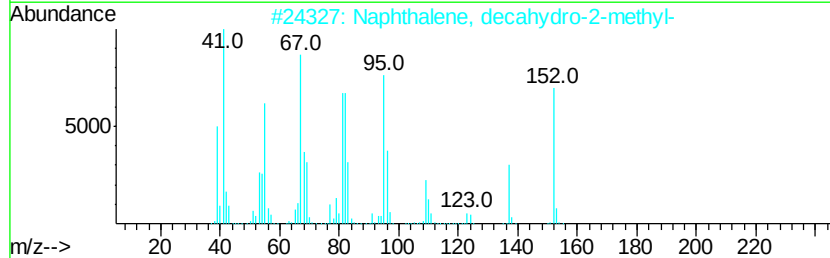
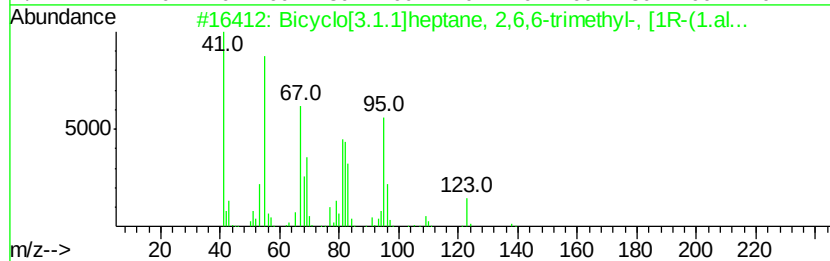
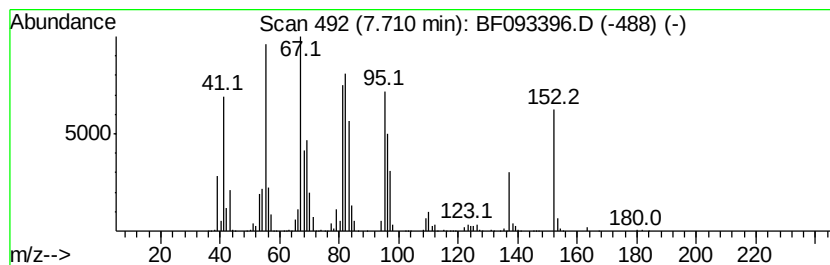
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	42.83 ng	5792960	Naphthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	72
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58
3		1-Octadecyne	250	C18H34	000629-89-0	58
4		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	58
5		Bicyclo[4.1.0]heptane, 2-methyl-	110	C8H14	041977-46-2	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
Operator : SJ/MA
Sample : I2056-13 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
12B-23

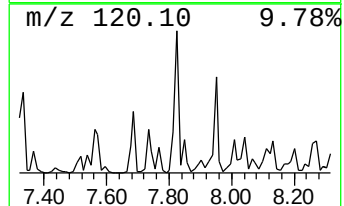
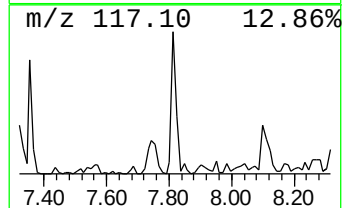
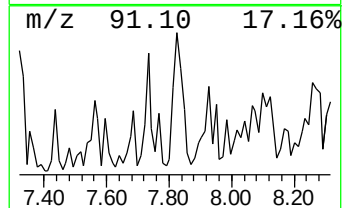
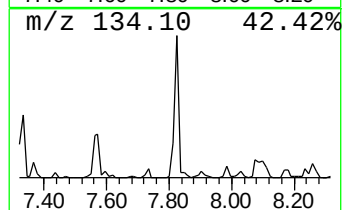
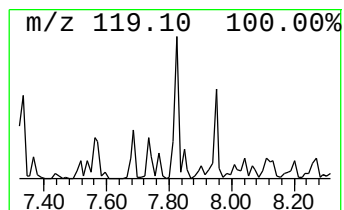
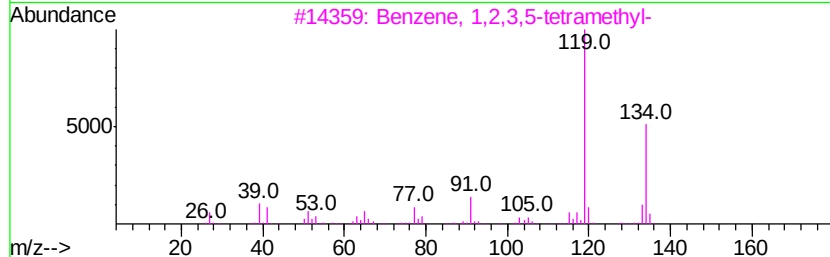
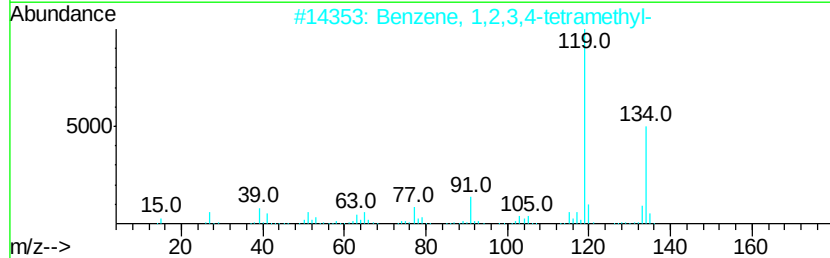
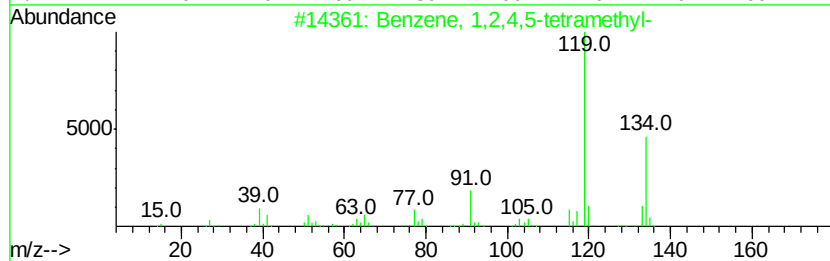
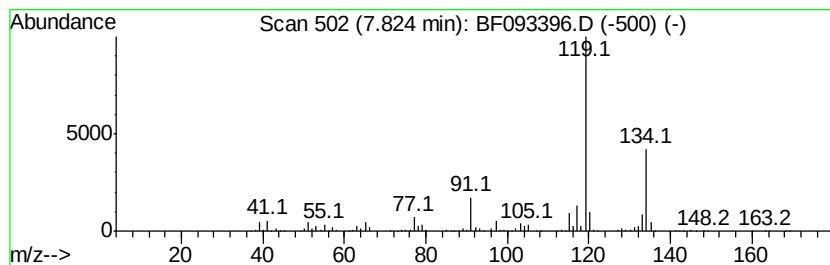
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	31.73 ng	4292080	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	93
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
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Instrument :
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ClientSampleId :
12B-23

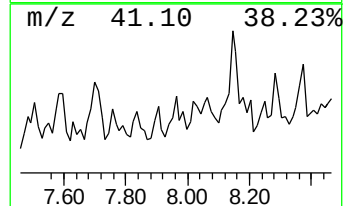
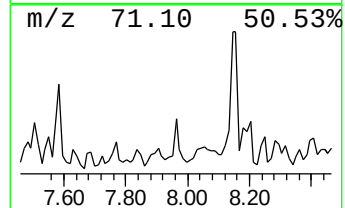
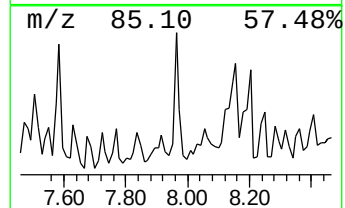
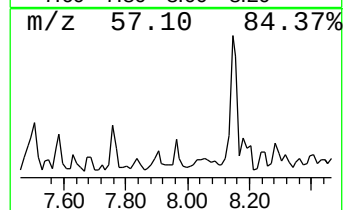
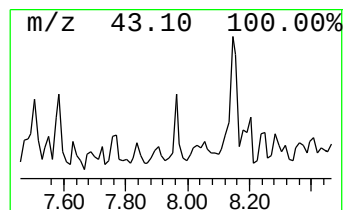
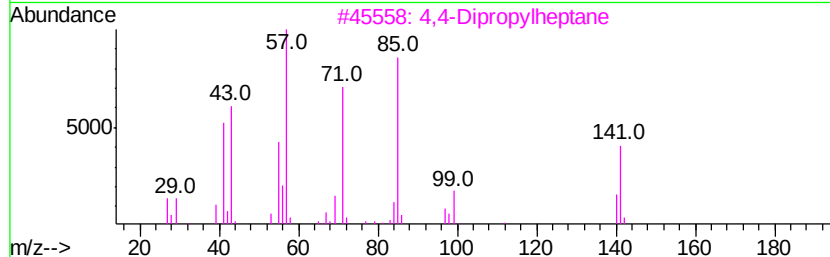
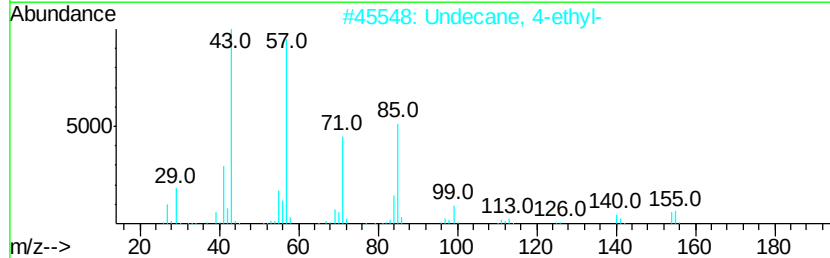
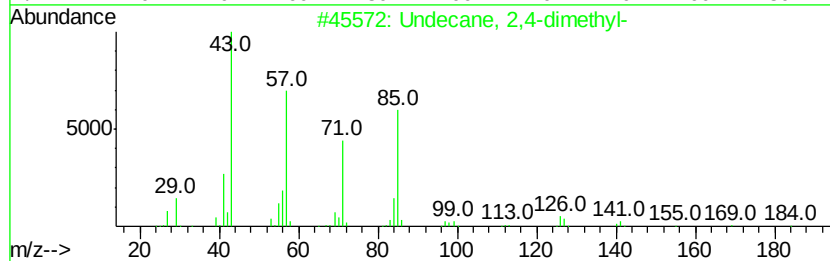
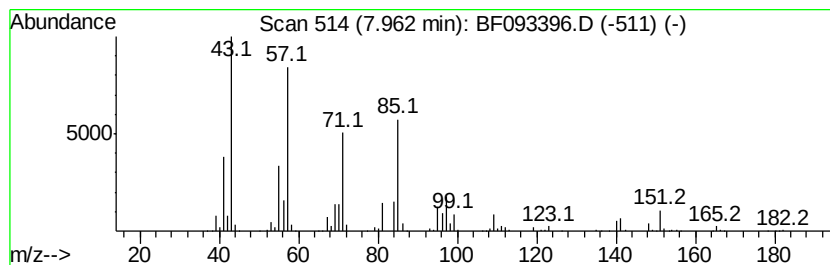
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Undecane, 2,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	23.14 ng	3130410	Napthalene-d8	8.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	53	
2	Undecane, 4-ethyl-	184	C13H28	017312-59-3	53	
3	4,4-Dipropylheptane	184	C13H28	017312-72-0	53	
4	Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	50	
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	47	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
Operator : SJ/MA
Sample : I2056-13 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

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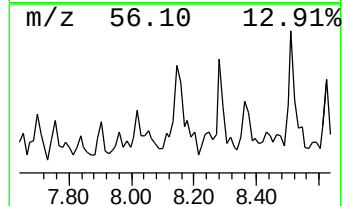
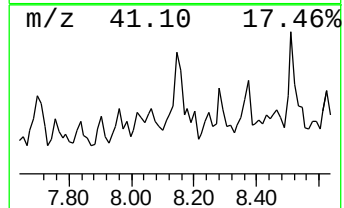
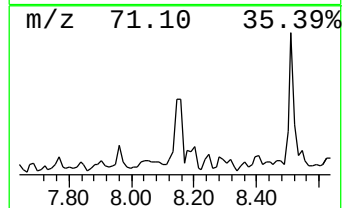
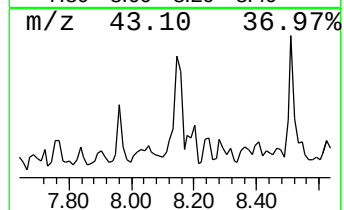
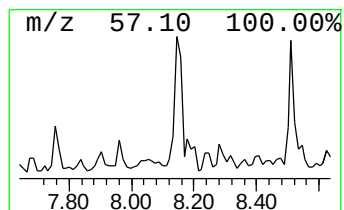
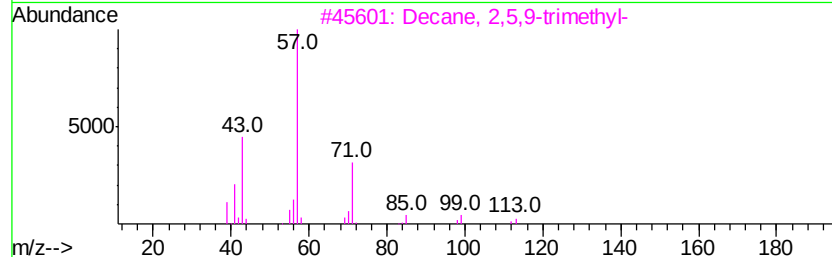
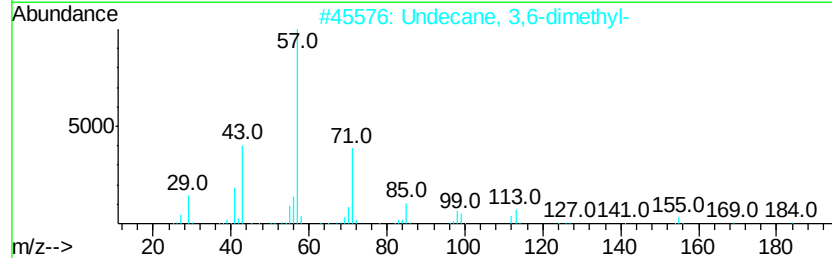
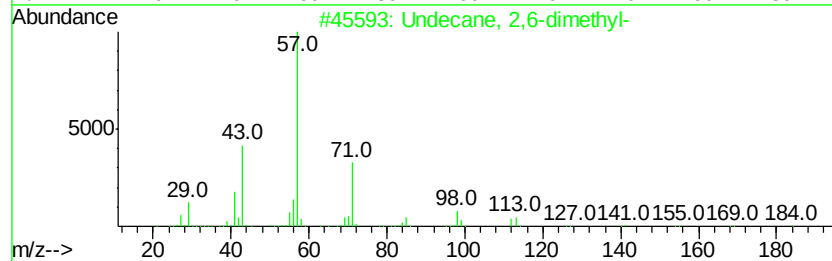
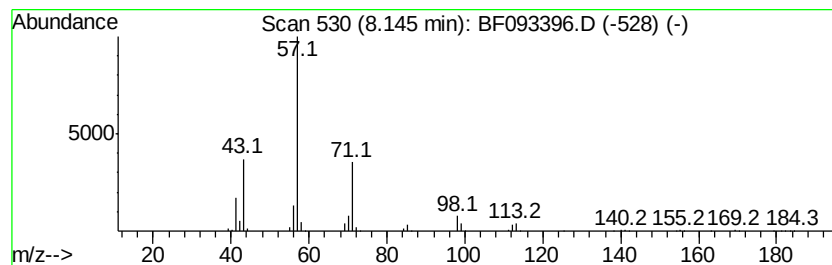
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Undecane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	64.62 ng	8739660	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	86
3		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	78
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	78
5		Nonane, 4-methyl-	142	C10H22	017301-94-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
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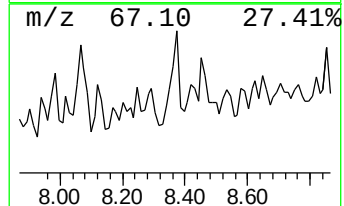
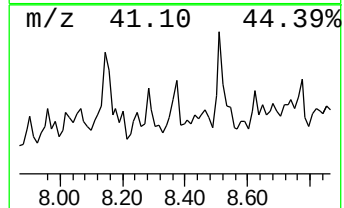
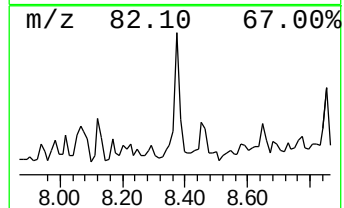
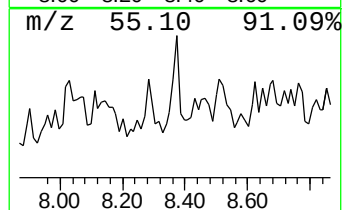
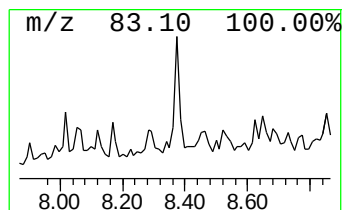
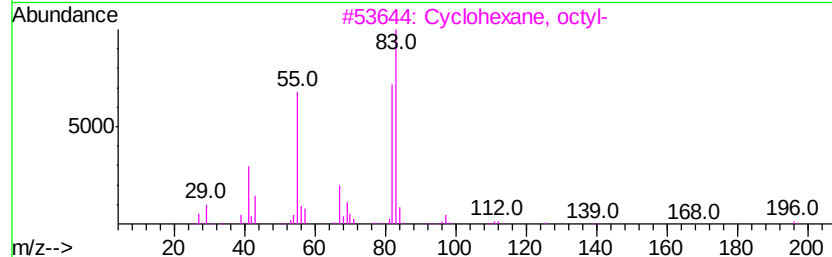
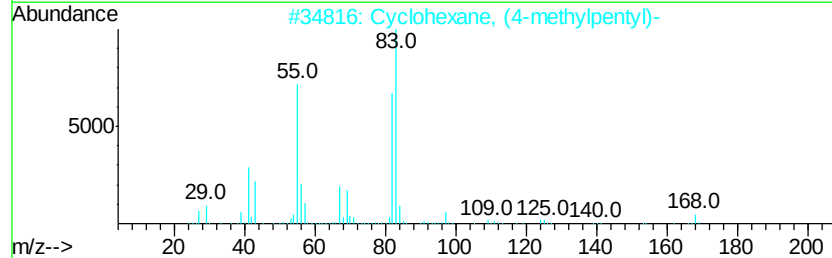
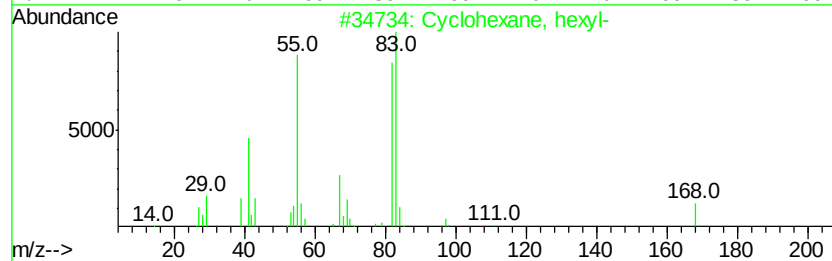
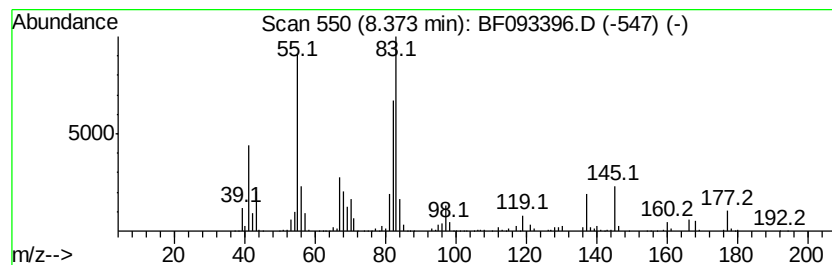
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexane, hexyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	24.47 ng	3309190	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	58
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	58
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	50
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
5		Heptylcyclohexane	182	C13H26	005617-41-4	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
Operator : SJ/MA
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Misc :
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ClientSampleId :
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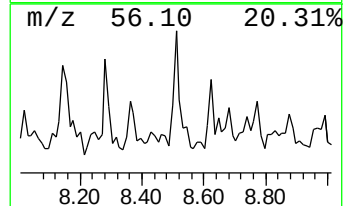
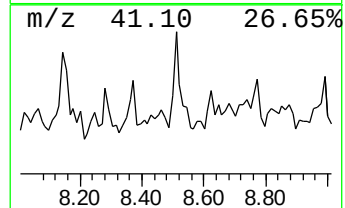
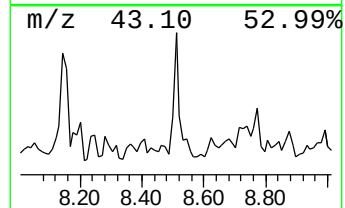
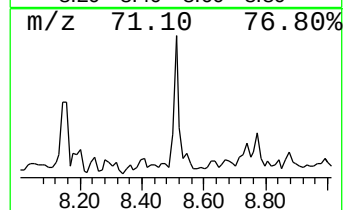
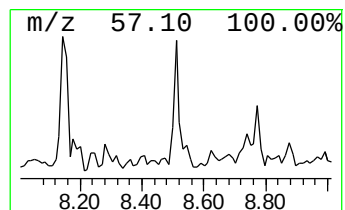
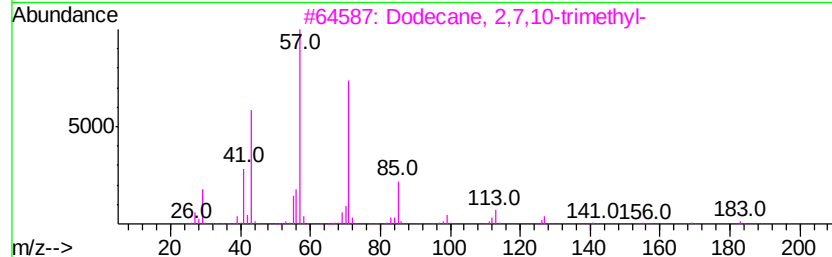
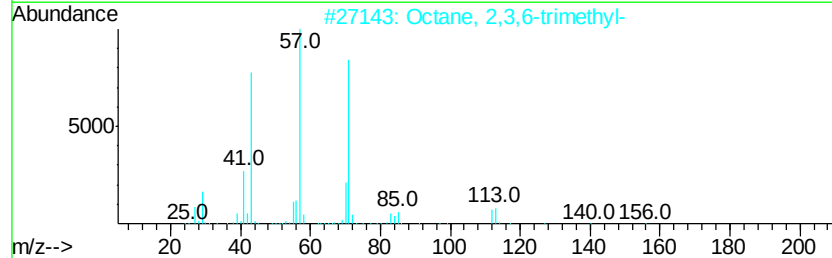
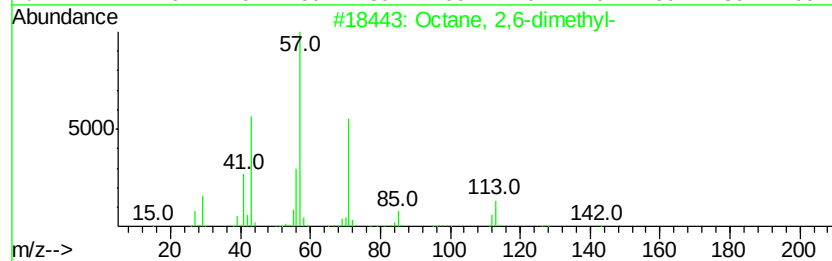
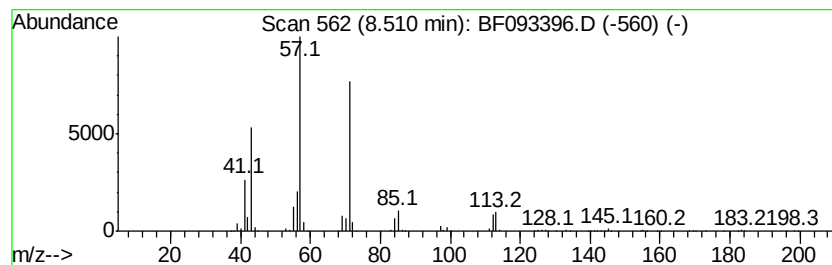
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	56.07 ng	7583890	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	78
4		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	72
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
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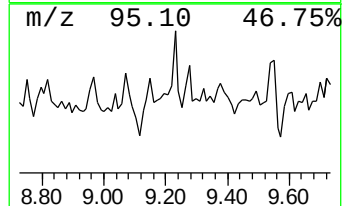
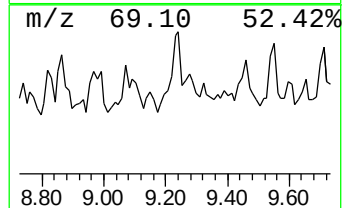
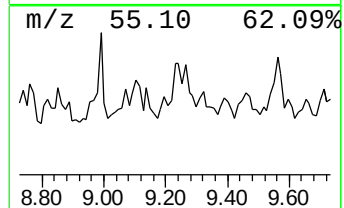
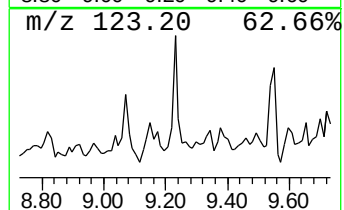
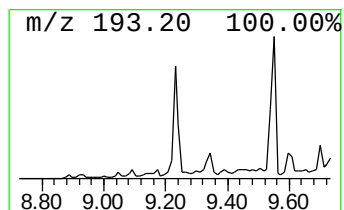
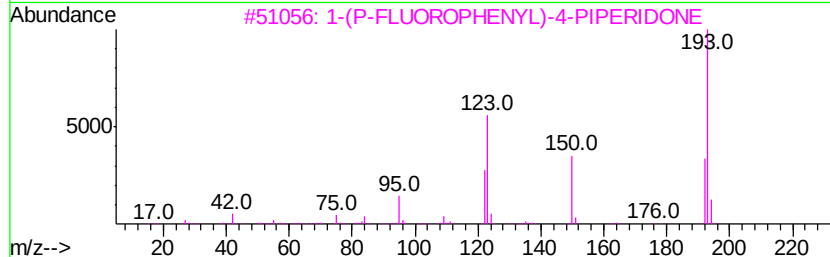
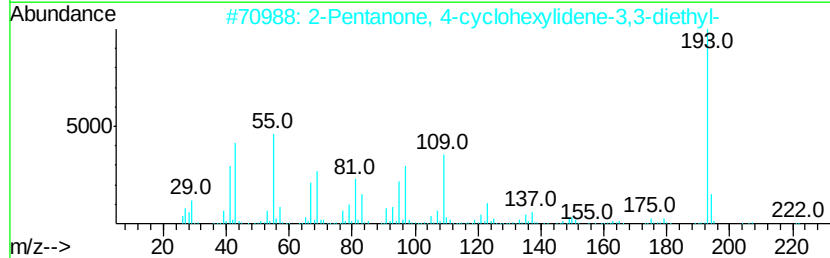
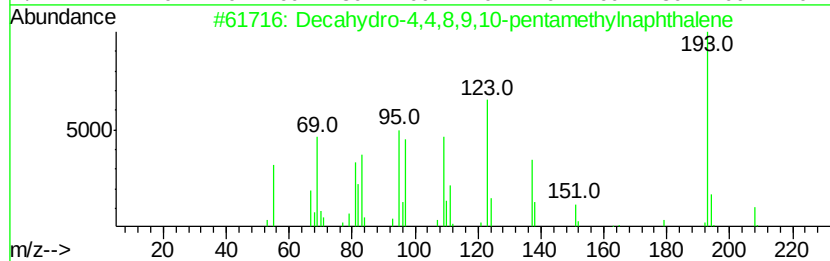
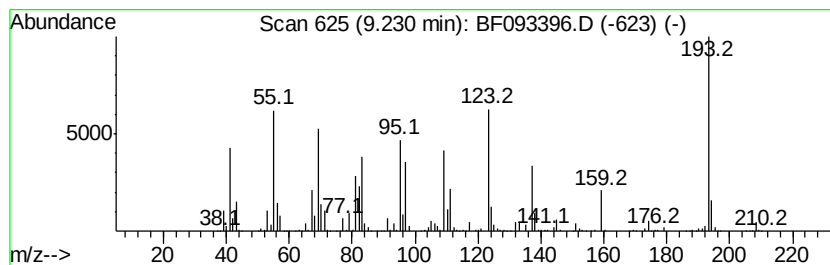
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Decahydro-4,4,8,9,10-pentam... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	39.85 ng	4879390	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208 C15H28	080655-44-3	86
2	2-Pentanone, 4-cyclohexylidene-3...	222 C15H26O	313253-65-5	47
3	1-(P-FLUOROPHENYL)-4-PIPERIDONE	193 C11H12FN0	1000238-56-7	38
4	Borinic acid, diethyl-, 3,3,5-tr...	208 C13H25B0	057387-76-5	38
5	Cyclohexane, 1-(cyclohexylmethyl...	208 C15H28	054934-92-8	15



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
Operator : SJ/MA
Sample : I2056-13 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
12B-23

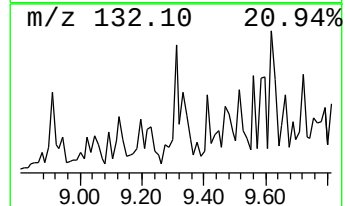
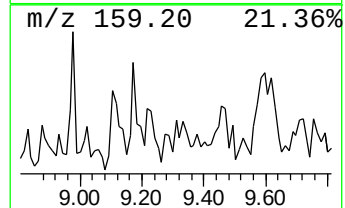
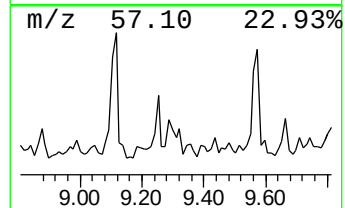
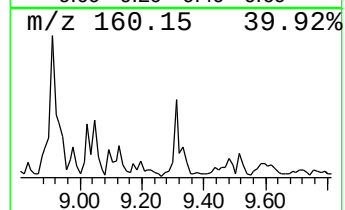
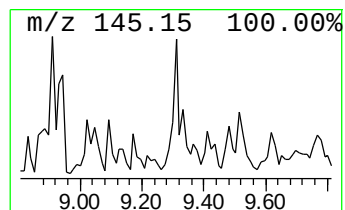
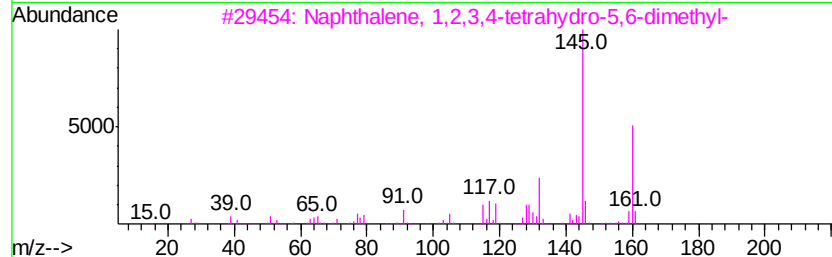
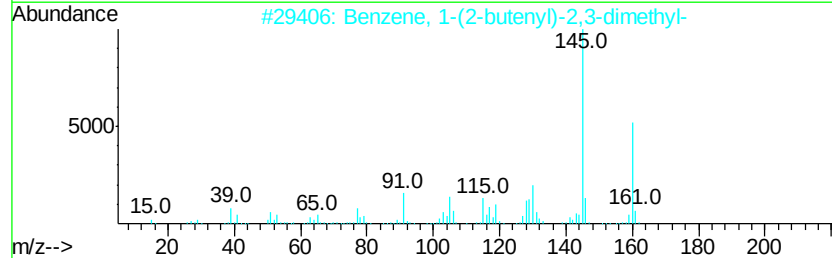
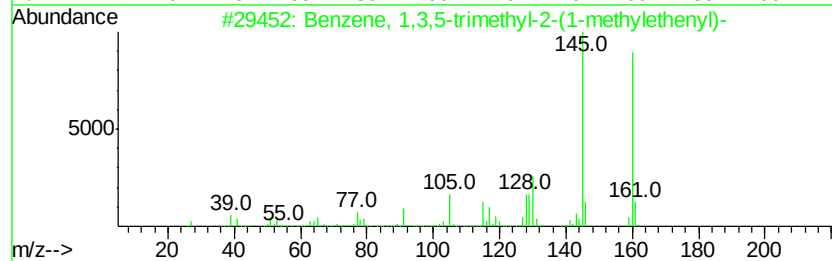
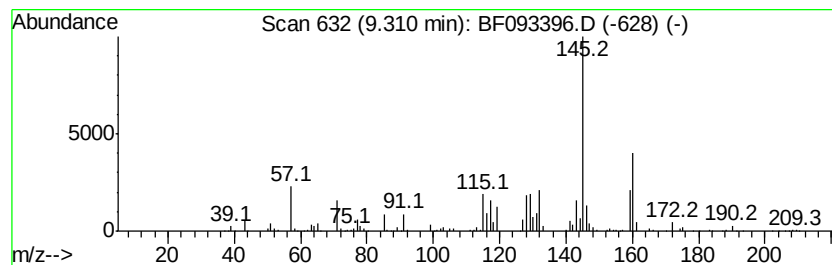
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	22.34 ng	2735160	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	89
2		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	89
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	87
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	83
5		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
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Operator : SJ/MA
Sample : I2056-13 5X
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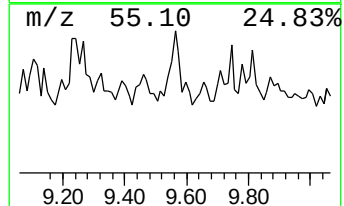
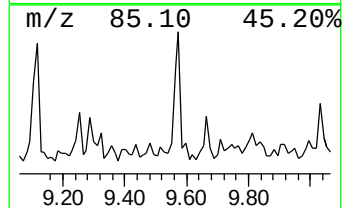
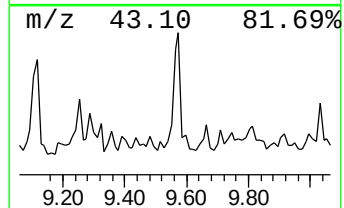
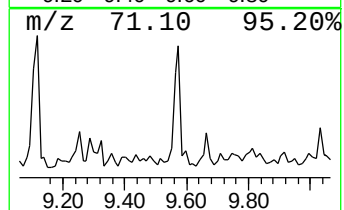
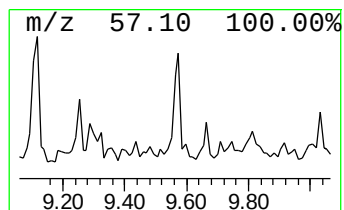
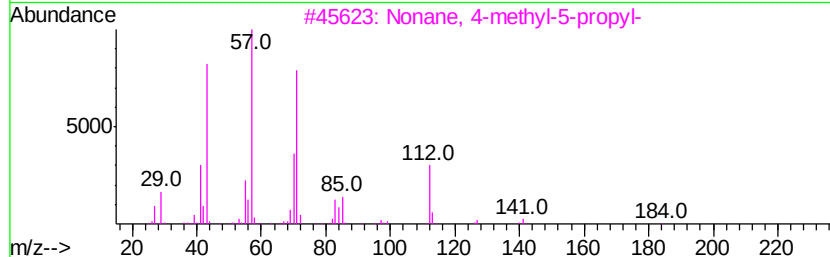
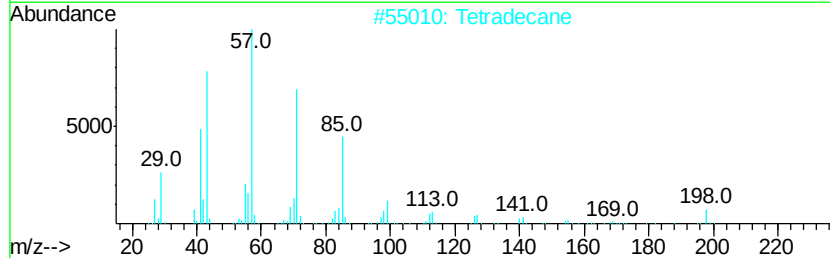
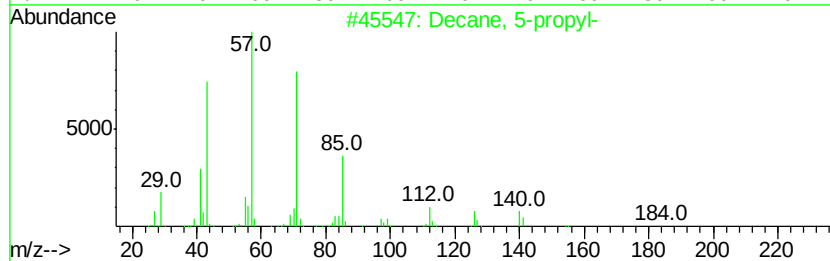
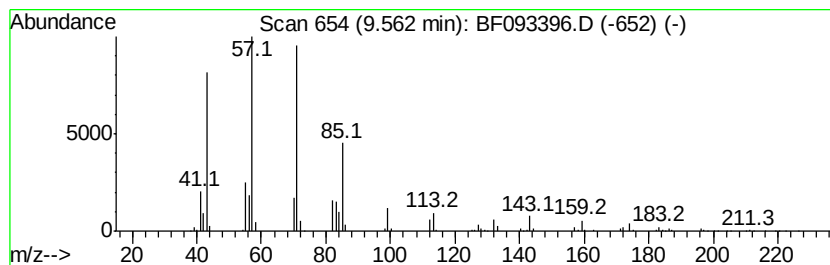
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Decane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	44.48 ng	5446360	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 5-propyl-	184 C13H28	017312-62-8	80
2	Tetradecane	198 C14H30	000629-59-4	78
3	Nonane, 4-methyl-5-propyl-	184 C13H28	062185-55-1	70
4	1,3-Dimethylcyclopentanol	114 C7H14O	019550-46-0	64
5	Tridecane	184 C13H28	000629-50-5	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
Operator : SJ/MA
Sample : I2056-13 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

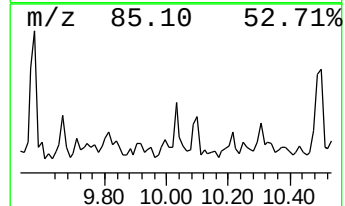
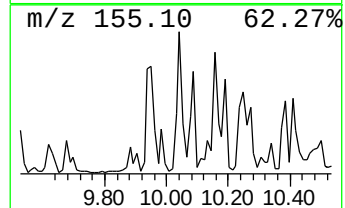
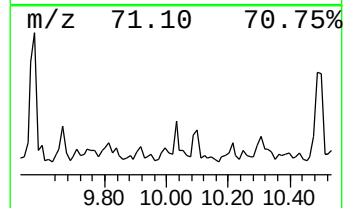
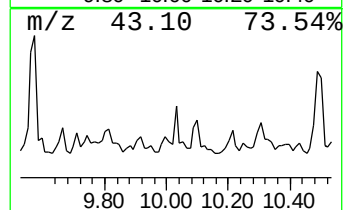
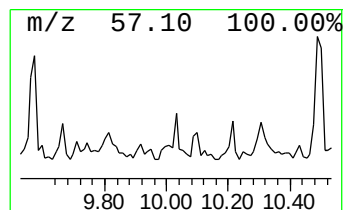
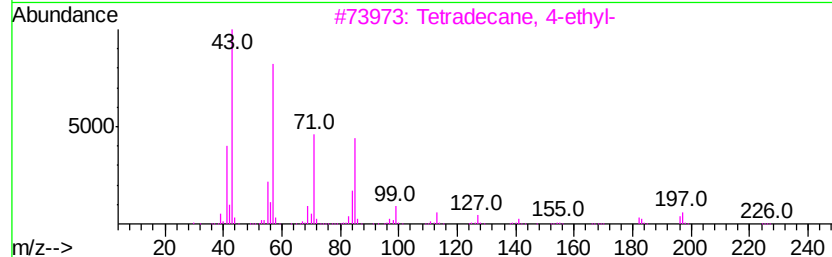
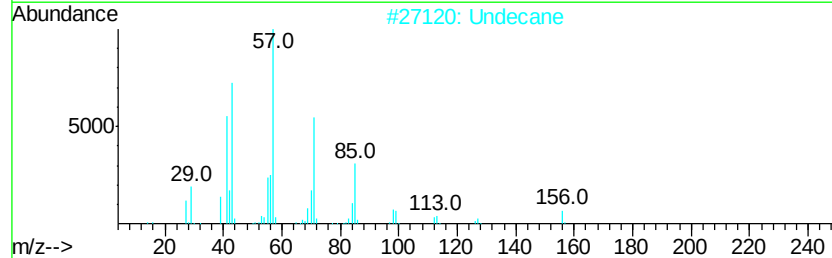
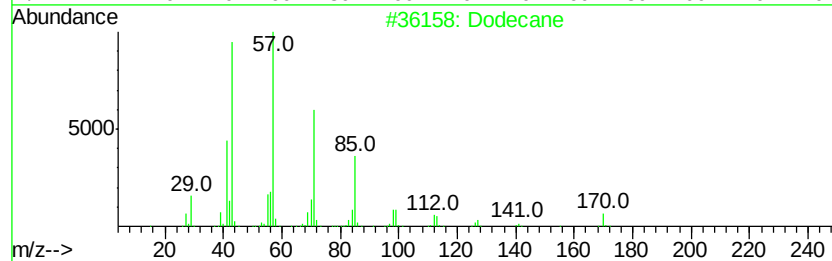
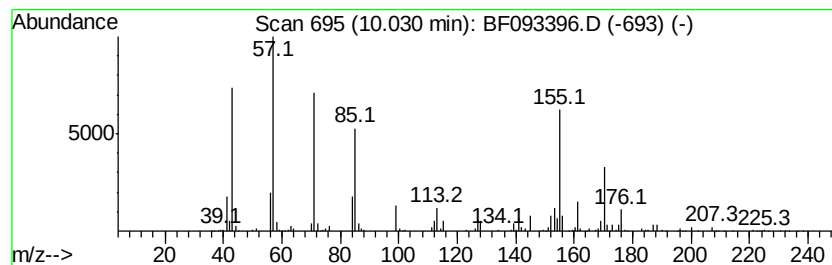
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dodecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	22.26 ng	2725200	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane		170 C12H26	000112-40-3 53
2	Undecane		156 C11H24	001120-21-4 50
3	Tetradecane, 4-ethyl-		226 C16H34	055045-14-2 50
4	Dodecane, 2-methyl-6-propyl-		226 C16H34	055045-08-4 46
5	Tetradecane, 2,6,10-trimethyl-		240 C17H36	014905-56-7 46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
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Operator : SJ/MA
Sample : I2056-13 5X
Misc :
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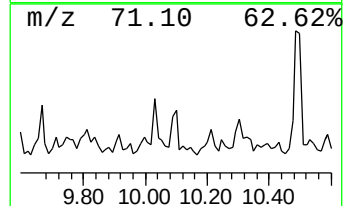
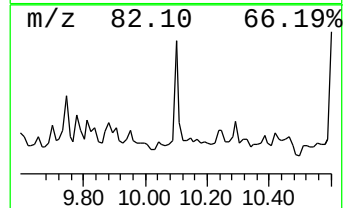
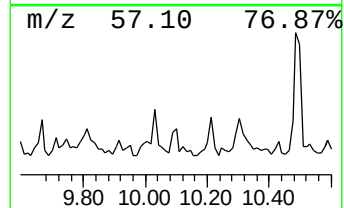
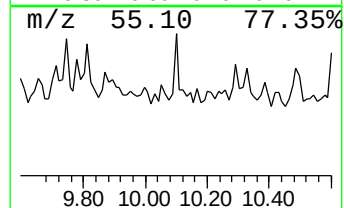
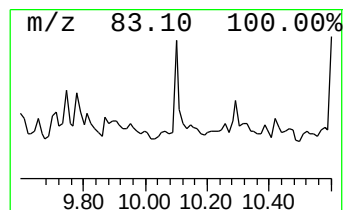
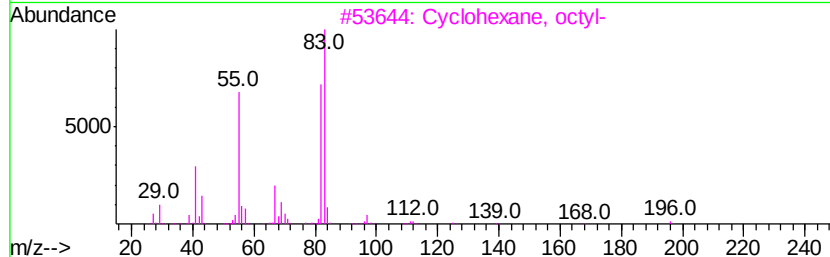
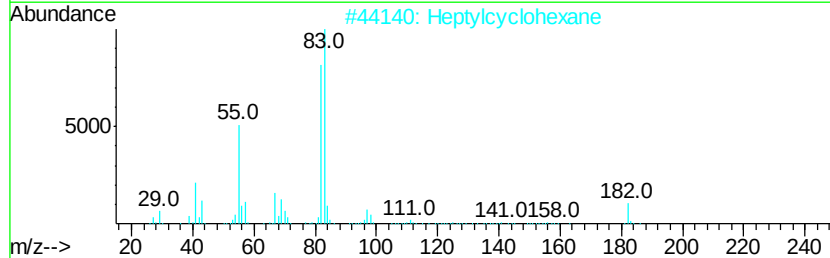
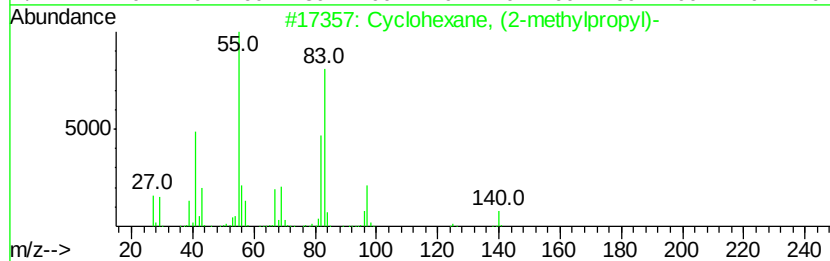
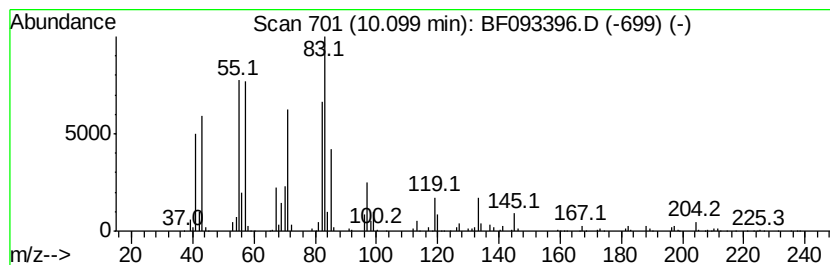
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.10 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	23.73 ng	2905990	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4 49
2		Heptylcyclohexane	182 C13H26	005617-41-4 45
3		Cyclohexane, octyl-	196 C14H28	001795-15-9 45
4		Nonadecane	268 C19H40	000629-92-5 38
5		Tetratetracontane	619 C44H90	007098-22-8 38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
Operator : SJ/MA
Sample : I2056-13 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

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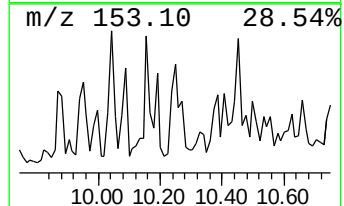
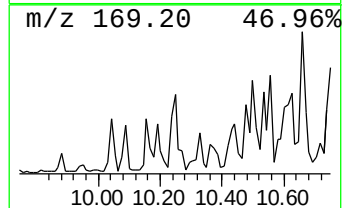
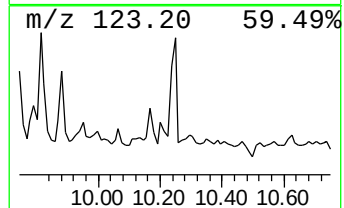
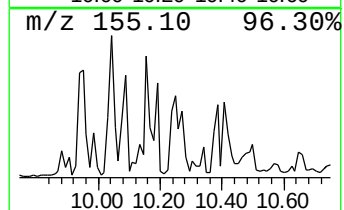
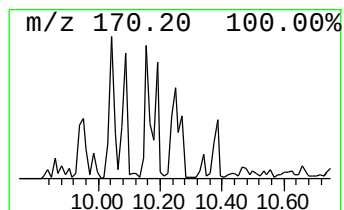
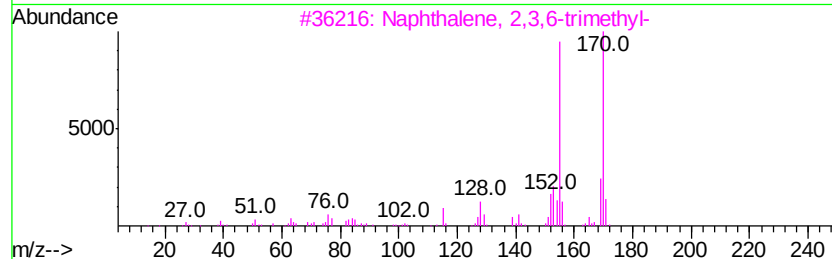
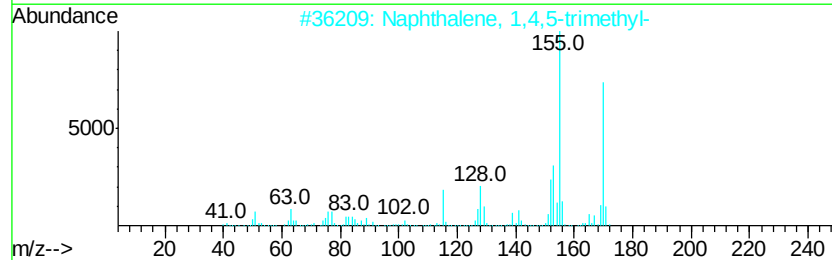
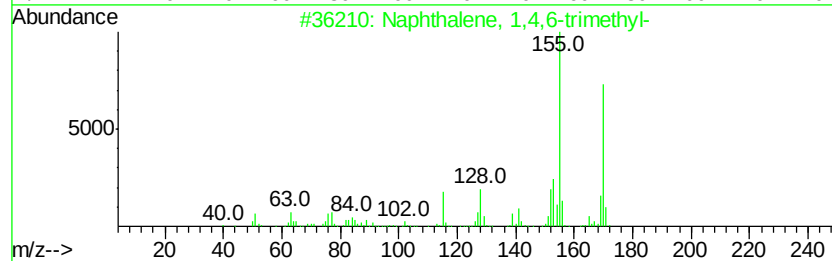
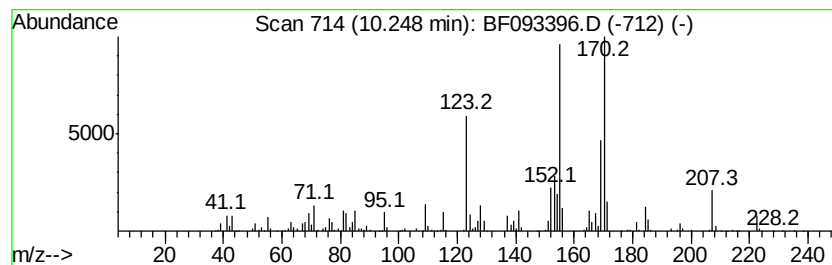
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	20.69 ng	2533600	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
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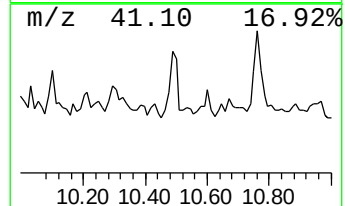
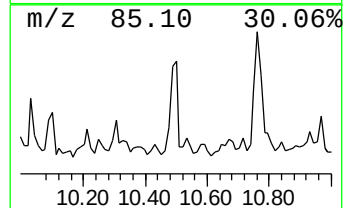
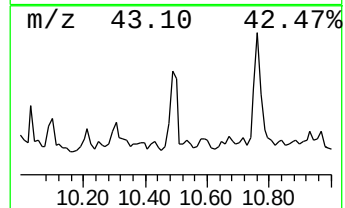
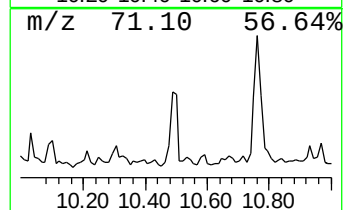
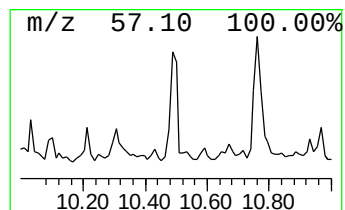
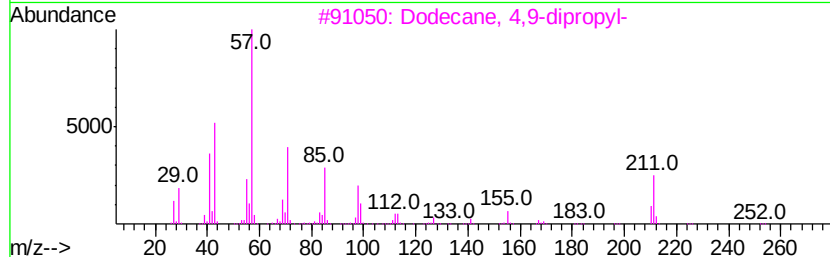
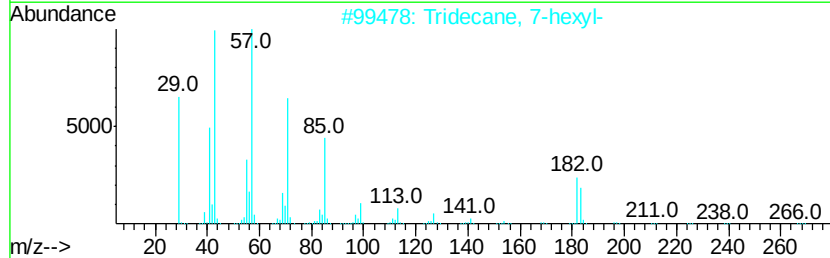
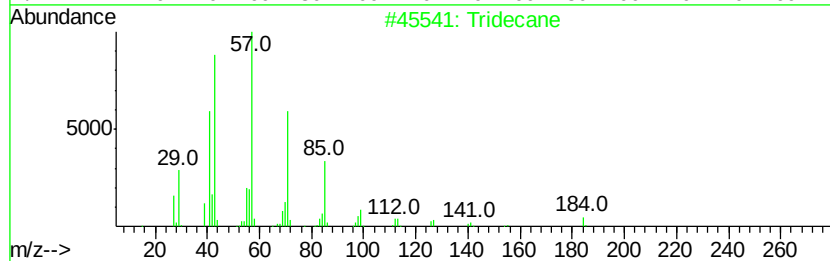
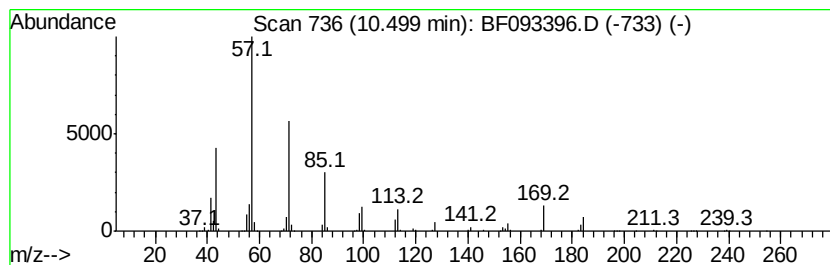
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	34.71 ng	4249930	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	83
2	Tridecane, 7-hexyl-	268 C19H40	007225-66-3	64
3	Dodecane, 4,9-dipropyl-	254 C18H38	003054-63-5	64
4	Nonacosane	408 C29H60	000630-03-5	59
5	Tetratetracontane	619 C44H90	007098-22-8	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
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Misc :
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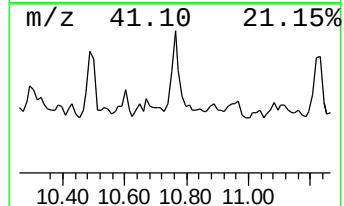
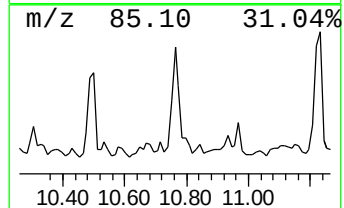
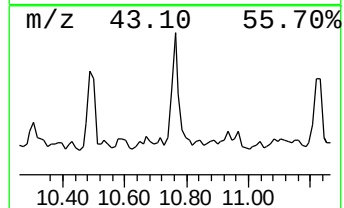
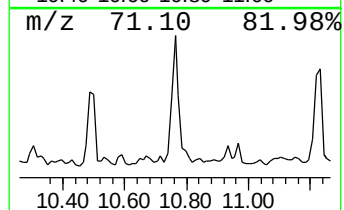
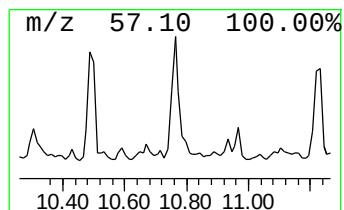
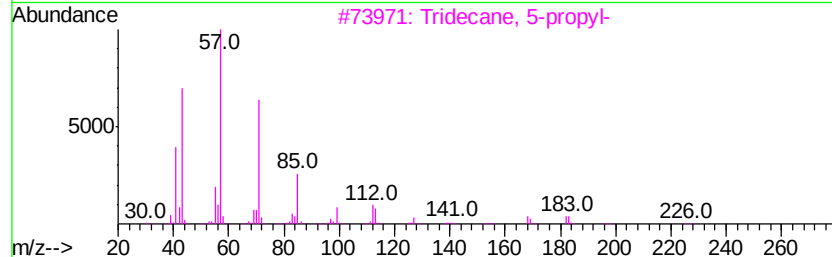
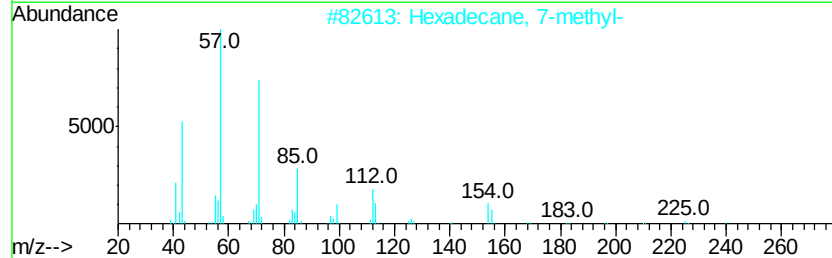
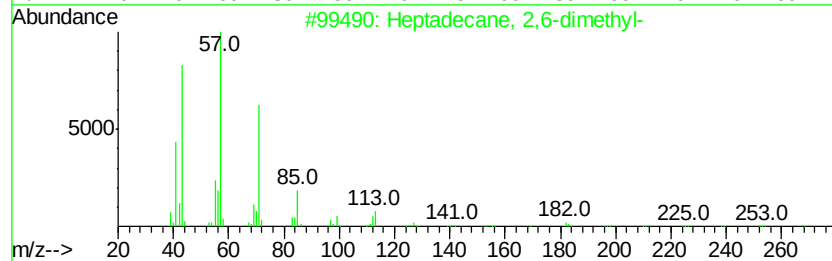
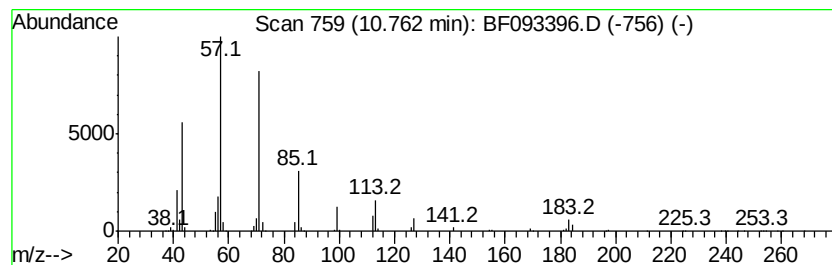
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	27.62 ng	6070260	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	87
2		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	78
3		Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
4		Heptacosane	380	C27H56	000593-49-7	78
5		Dodecane	170	C12H26	000112-40-3	78



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Acq On : 4 Mar 2017 10:16
Operator : SJ/MA
Sample : I2056-13 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

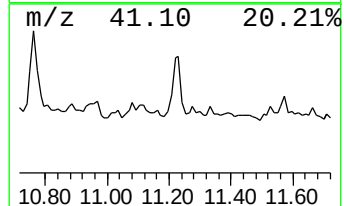
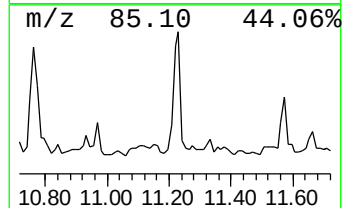
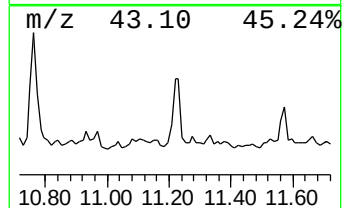
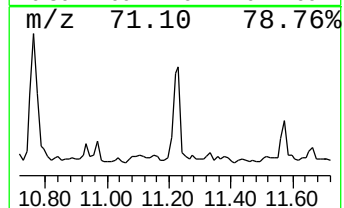
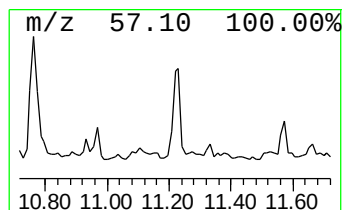
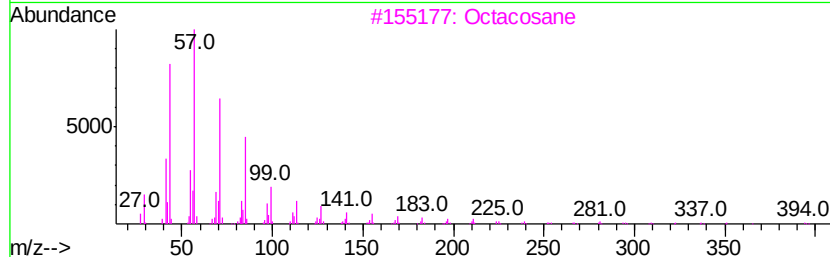
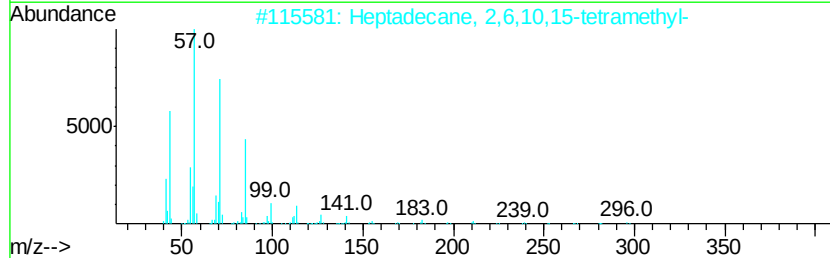
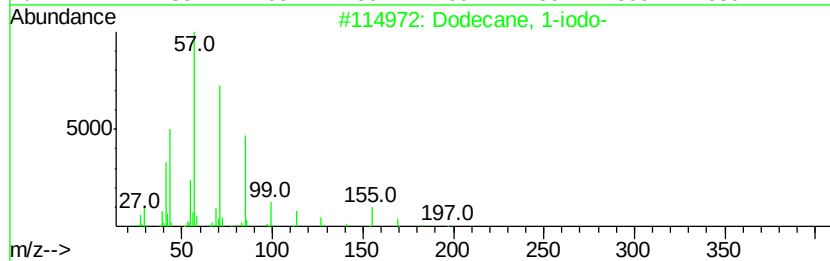
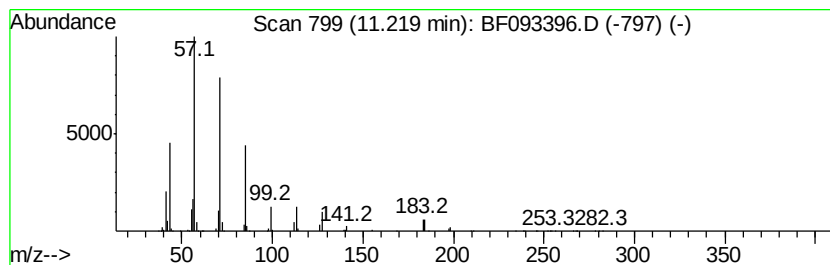
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dodecane, 1-iodo- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	20.00 ng	4395500	Phenanthrene-d10	11.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 1-iodo-	296 C12H25I	004292-19-7	78
2	Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6	78
3	Octacosane	394 C28H58	000630-02-4	72
4	Pentadecane	212 C15H32	000629-62-9	72
5	Nonane, 5-(2-methylpropyl)-	184 C13H28	062185-53-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093396.D
Acq On : 4 Mar 2017 10:16
Operator : SJ/MA
Sample : I2056-13 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

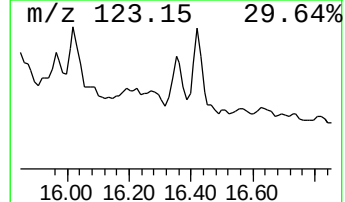
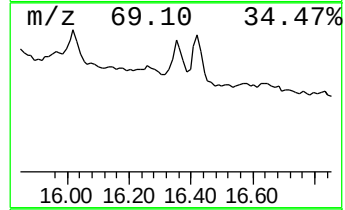
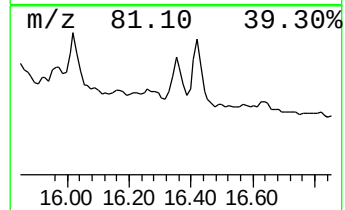
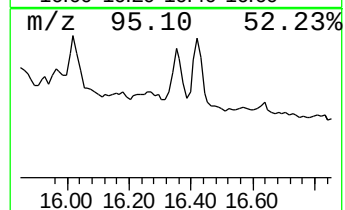
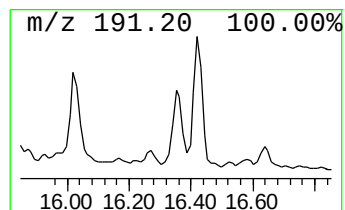
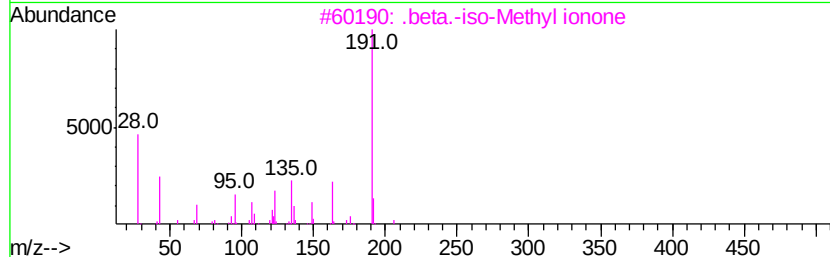
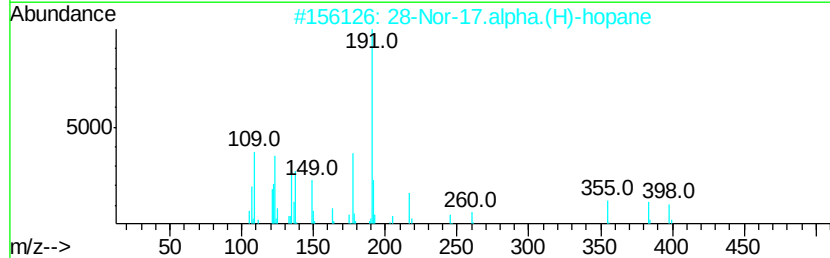
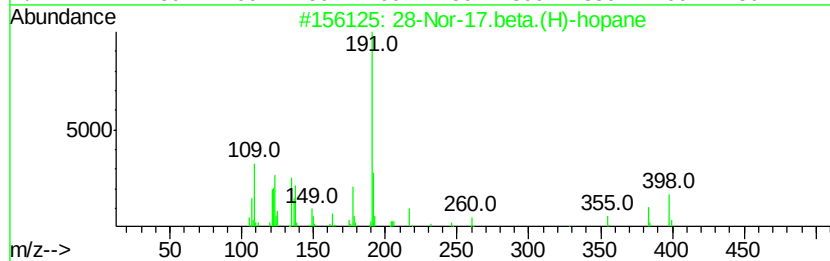
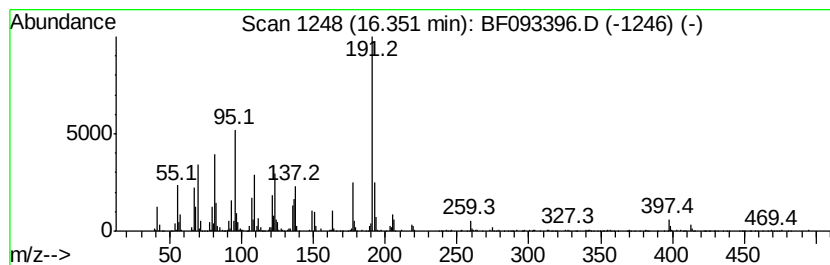
Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 28-Nor-17.beta.(H)-hopane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	20.00 ng	1246830	Perylene-d12	15.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		28-Nor-17.beta.(H)-hopane	398 C29H50	036728-72-0 78
2		28-Nor-17.alpha.(H)-hopane	398 C29H50	053584-60-4 56
3		.beta.-iso-Methyl ionone	206 C14H22O	1000285-40-2 50
4		2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4...)	234 C15H22O2	1000190-21-8 45
5		1-Cyclohexene, 1,3,3-trimethyl-2...	206 C14H22O	1000197-08-4 37



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 Sample : I2056-13 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12B-23

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.44	7.44	27.1	ng	3658330	2	8.08	2705070	20.0
Undecane, 3-methyl-	7.50	33.5	ng	4531220	2	8.08	2705070	20.0
trans-Decalin, 2-...	7.60	30.8	ng	4170860	2	8.08	2705070	20.0
Bicyclo[3.1.1]hept...	7.71	42.8	ng	5792960	2	8.08	2705070	20.0
Benzene, 1,2,4,5-...	7.82	31.7	ng	4292080	2	8.08	2705070	20.0
Undecane, 2,4-dim...	7.96	23.1	ng	3130410	2	8.08	2705070	20.0
Undecane, 2,6-dim...	8.14	64.6	ng	8739660	2	8.08	2705070	20.0
Cyclohexane, hexyl-	8.37	24.5	ng	3309190	2	8.08	2705070	20.0
Octane, 2,6-dimet...	8.51	56.1	ng	7583890	2	8.08	2705070	20.0
Decahydro-4,4,8,9...	9.23	39.9	ng	4879390	3	9.84	2449030	20.0
Benzene, 1,3,5-tr...	9.31	22.3	ng	2735160	3	9.84	2449030	20.0
Decane, 5-propyl-	9.56	44.5	ng	5446360	3	9.84	2449030	20.0
Dodecane	10.03	22.3	ng	2725200	3	9.84	2449030	20.0
unknown10.10	10.10	23.7	ng	2905990	3	9.84	2449030	20.0
Naphthalene, 1,4,...	10.25	20.7	ng	2533600	3	9.84	2449030	20.0
Tridecane	10.50	34.7	ng	4249930	3	9.84	2449030	20.0
Heptadecane, 2,6-...	10.76	27.6	ng	6070260	4	11.32	4395500	20.0
Dodecane, 1-iodo-	11.22	20.0	ng	4395500	4	11.32	4395500	20.0
28-Nor-17.beta.(H...	16.35	20.0	ng	1246830	6	15.40	1246830	20.0