

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
 Data File : BF091929.D
 Acq On : 23 Dec 2016 17:44
 Operator : UM/SJ
 Sample : H6068-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5

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-BF122116.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	4.910	243	247	256	rBV	1862356	2764707	34.66%	1.733%
2	5.378	285	288	291	rBV	3934874	5246751	65.78%	3.289%
3	5.733	316	319	321	rVB2	62850	98508	1.24%	0.062%
4	5.881	329	332	334	rVB	101788	139029	1.74%	0.087%
5	5.927	334	336	339	rBV3	50261	103643	1.30%	0.065%
6	5.973	339	340	344	rBV2	171480	276653	3.47%	0.173%
7	6.030	344	345	347	rBV	140253	198853	2.49%	0.125%
8	6.064	347	348	354	rVB4	67071	185832	2.33%	0.116%
9	6.167	354	357	362	rBV2	151058	263344	3.30%	0.165%
10	6.259	362	365	367	rBV	282938	342502	4.29%	0.215%
11	6.430	377	380	382	rVB	4334988	5206004	65.27%	3.263%
12	6.476	382	384	386	rBV3	140135	251662	3.16%	0.158%
13	6.521	386	388	391	rVB	4345036	5516436	69.16%	3.458%
14	6.590	391	394	396	rVB2	126120	169854	2.13%	0.106%
15	6.681	399	402	403	rBV2	83446	158351	1.99%	0.099%
16	6.739	403	407	411	rVB2	1430483	2075995	26.03%	1.301%
17	6.796	411	412	414	rBV	192036	289360	3.63%	0.181%
18	6.841	414	416	417	rBV2	146725	226536	2.84%	0.142%
19	6.864	417	418	419	rBV	127250	104531	1.31%	0.066%
20	6.899	419	421	423	rBV	4256538	4310476	54.04%	2.702%
21	7.013	425	431	433	rVB3	451108	993137	12.45%	0.622%
22	7.093	436	438	440	rBV3	152370	315422	3.95%	0.198%
23	7.127	440	441	443	rBV	313428	434931	5.45%	0.273%
24	7.219	447	449	450	rBV	120184	153942	1.93%	0.096%
25	7.310	450	457	459	rBV	3277964	5005214	62.75%	3.137%
26	7.390	461	464	466	rVB2	691425	1052098	13.19%	0.659%
27	7.459	466	470	472	rBV2	507799	1199513	15.04%	0.752%
28	7.504	472	474	475	rBV	189056	312998	3.92%	0.196%
29	7.550	475	478	480	rVB2	913988	1529447	19.18%	0.959%
30	7.607	480	483	484	rBV2	315250	601269	7.54%	0.377%
31	7.664	484	488	490	rBV3	1074311	1680789	21.07%	1.054%
32	7.744	490	495	496	rBV4	221894	591034	7.41%	0.370%
33	7.790	497	499	502	rVB3	452906	754460	9.46%	0.473%
34	7.859	502	505	507	rBV3	773424	1192797	14.95%	0.748%

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35	7.916	507	510	513	rBV3	854805	1923425	24.11%	1.206%
36	7.984	513	516	517	rBV2	536301	1126569	14.12%	0.706%
37	8.030	517	520	521	rVB	1763234	2366809	29.67%	1.483%
38	8.099	521	526	530	rBV2	1894593	3444537	43.19%	2.159%
39	8.202	532	535	536	rBV	963450	1570426	19.69%	0.984%
40	8.236	536	538	540	rVB2	1588908	1543751	19.35%	0.968%
41	8.316	542	545	547	rBV3	1186257	2113772	26.50%	1.325%
42	8.384	550	551	552	rBV	538207	461630	5.79%	0.289%
43	8.419	552	554	555	rVB2	528586	591300	7.41%	0.371%
44	8.464	555	558	562	rVB2	4036212	5337416	66.92%	3.345%
45	8.533	562	564	566	rBV2	724826	851655	10.68%	0.534%
46	8.579	566	568	571	rBV2	1141986	2076262	26.03%	1.301%
47	8.636	571	573	575	rVV2	573236	1240899	15.56%	0.778%
48	8.693	575	578	579	rVV3	992276	2169285	27.20%	1.360%
49	8.727	579	581	583	rVB	1879141	2235363	28.03%	1.401%
50	8.796	583	587	588	rBV4	541660	1463128	18.34%	0.917%
51	8.830	588	590	594	rVB3	753877	1553091	19.47%	0.973%
52	8.910	595	597	598	rBV2	732471	841016	10.54%	0.527%
53	8.944	598	600	602	rVB2	880129	1114366	13.97%	0.698%
54	9.059	608	610	612	rBV	3643521	5303599	66.49%	3.324%
55	9.105	612	614	616	rVB	3493868	4761103	59.69%	2.984%
56	9.150	616	618	619	rBV	368199	476996	5.98%	0.299%
57	9.196	619	622	624	rBV3	2073972	3973931	49.82%	2.491%
58	9.242	624	626	628	rVV2	1314777	2586634	32.43%	1.621%
59	9.310	630	632	634	rBV2	998088	1128124	14.14%	0.707%
60	9.447	642	644	645	rVB2	844250	859690	10.78%	0.539%
61	9.516	647	650	656	rVB4	4418480	7768116	97.39%	4.869%
62	9.665	660	663	664	rBV3	713257	880935	11.04%	0.552%
63	9.699	664	666	667	rBV	1487870	1453412	18.22%	0.911%
64	9.722	667	668	670	rBV	811472	1192079	14.95%	0.747%
65	9.779	670	673	675	rVV4	1710925	2955753	37.06%	1.853%
66	9.825	675	677	678	rVV2	510464	527380	6.61%	0.331%
67	9.893	682	683	685	rVB	1360767	1513988	18.98%	0.949%
68	9.950	685	688	689	rBV2	898821	1698542	21.30%	1.065%
69	9.985	689	691	694	rVB2	1753492	1820834	22.83%	1.141%
70	10.053	695	697	700	rVB3	1609208	2075552	26.02%	1.301%
71	10.099	700	701	703	rBV2	757830	1226642	15.38%	0.769%

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72	10.350	719	723	724	rBV4	1025060	2364158	29.64%	1.482%
73	10.453	728	732	733	rBV	3835042	6324736	79.29%	3.964%
74	10.488	733	735	737	rVB2	700187	898170	11.26%	0.563%
75	10.579	741	743	744	rVB	2179127	2000655	25.08%	1.254%
76	10.716	752	755	758	rBV	5964060	7976218	100.00%	4.999%
77	11.173	793	795	798	rVB	4812132	5836853	73.18%	3.658%
78	11.265	801	803	806	rBV3	1394531	2126013	26.65%	1.333%
79	11.516	823	825	827	rVB	1230980	1440294	18.06%	0.903%
80	11.562	827	829	831	rVB2	433625	417593	5.24%	0.262%
81	12.248	887	889	892	rVB2	725321	1123518	14.09%	0.704%
82	12.396	901	902	904	rBV	235153	239119	3.00%	0.150%
83	12.465	906	908	909	rBV2	253652	310449	3.89%	0.195%
84	12.728	929	931	932	rVB	257352	266595	3.34%	0.167%
85	12.842	939	941	944	rVB	3772491	5057084	63.40%	3.170%
86	13.745	1017	1020	1025	rVB	231417	440875	5.53%	0.276%
87	13.882	1030	1032	1035	rBV	1164912	1489946	18.68%	0.934%
88	14.888	1118	1120	1125	rVB	48057	92296	1.16%	0.058%
89	15.277	1151	1154	1157	rBV	850102	1164031	14.59%	0.730%

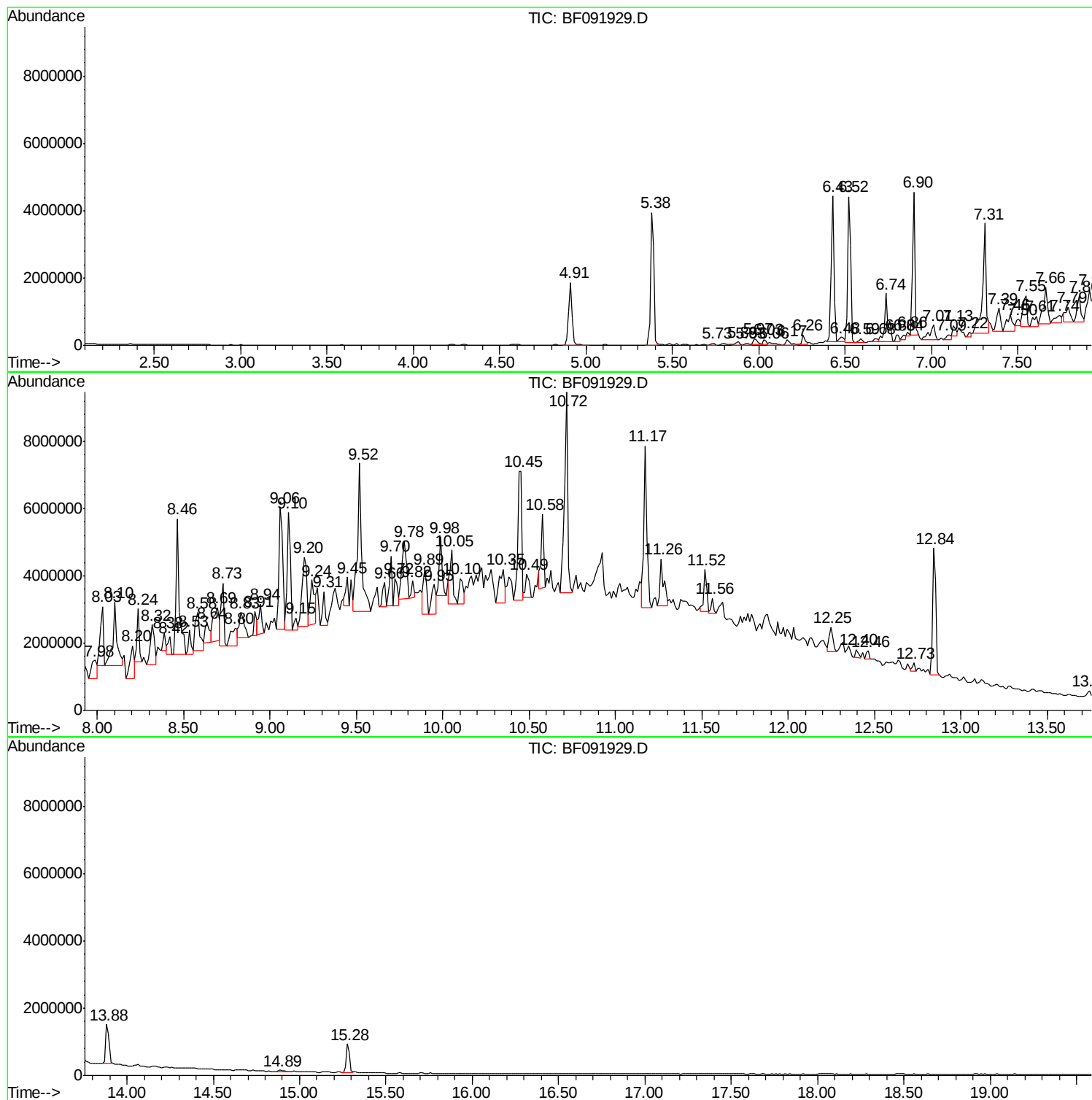
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BNA_F
ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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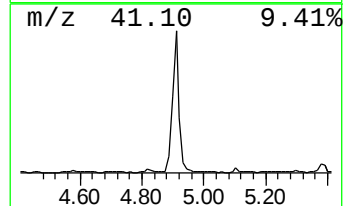
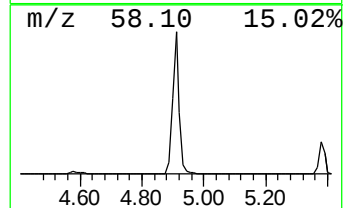
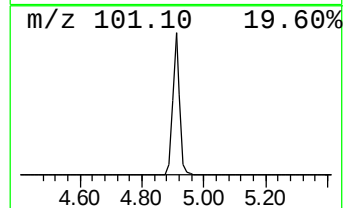
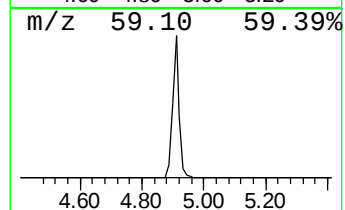
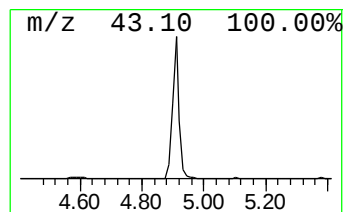
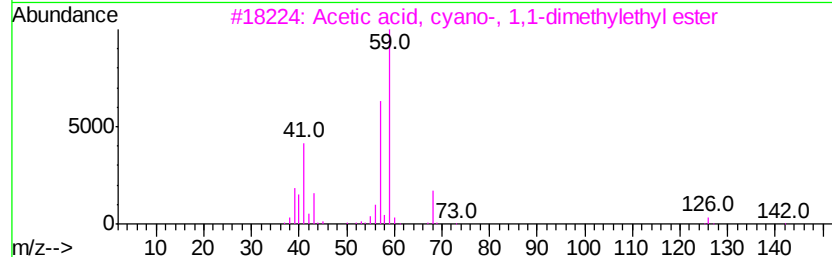
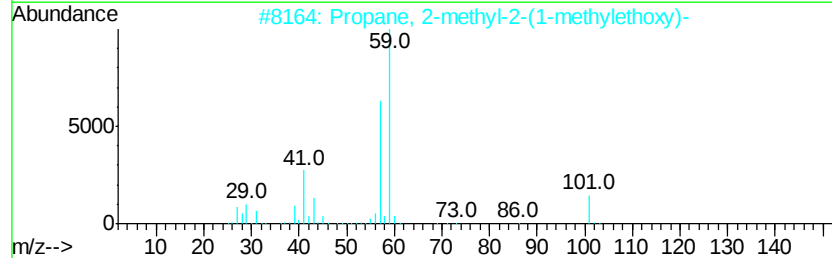
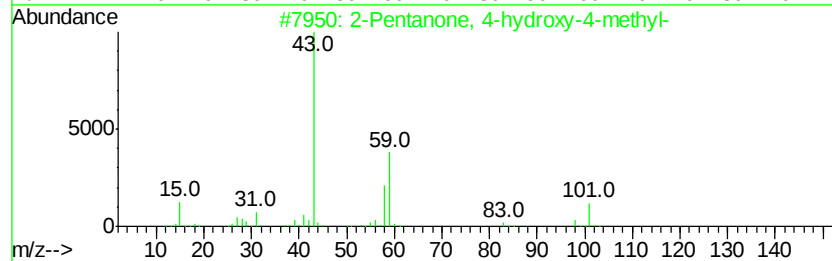
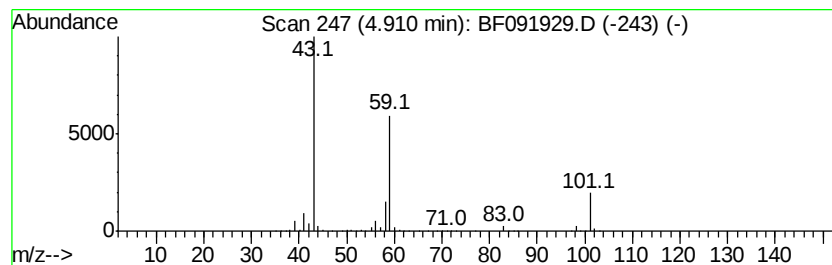
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	26.64 ng	2764710	1,4-Dichlorobenzene-d4	6.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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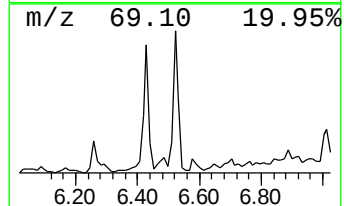
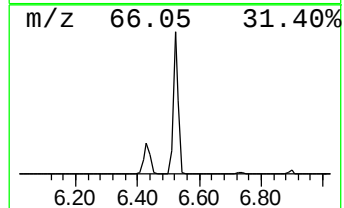
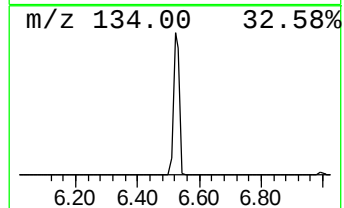
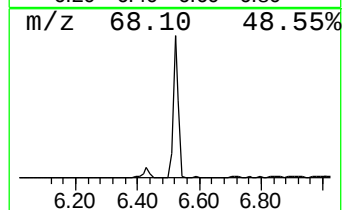
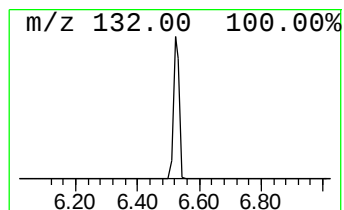
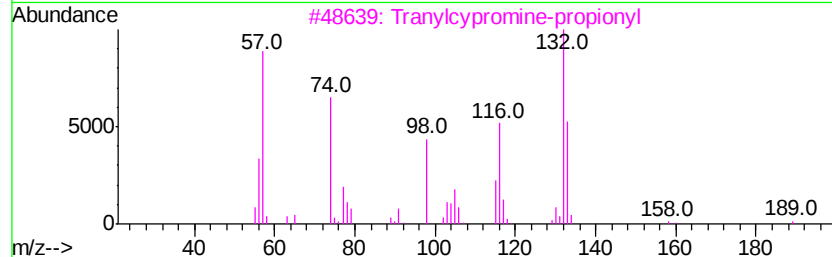
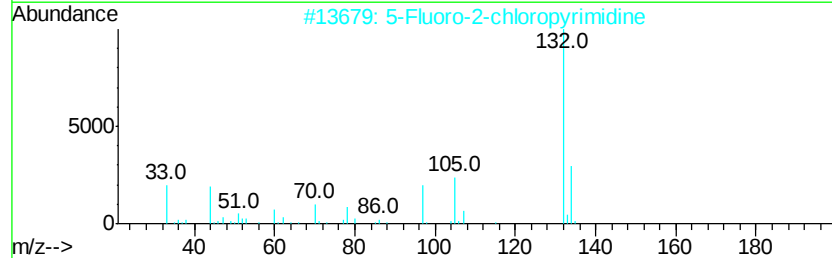
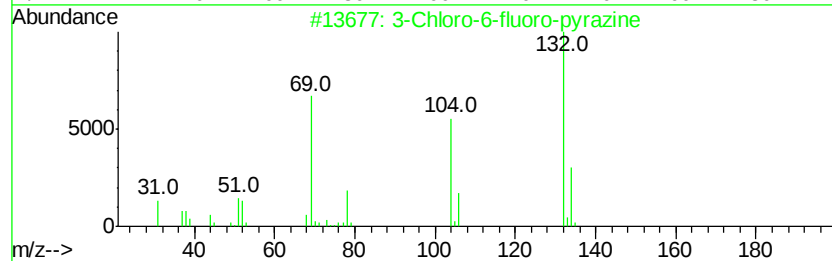
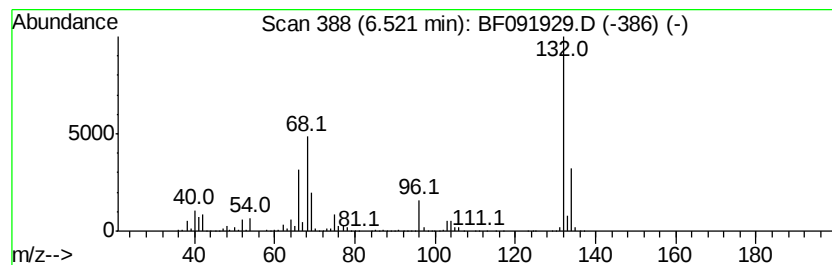
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.52 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	53.15 ng	5516440	1,4-Dichlorobenzene-d4	6.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9



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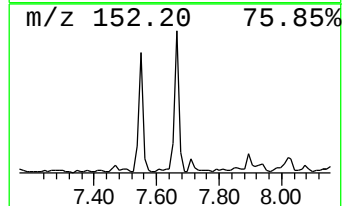
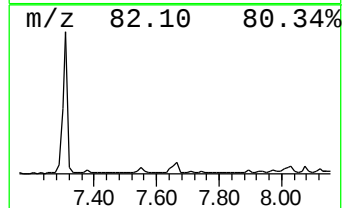
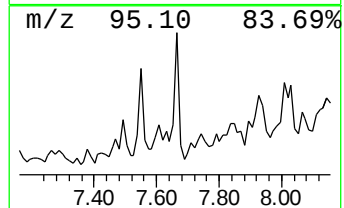
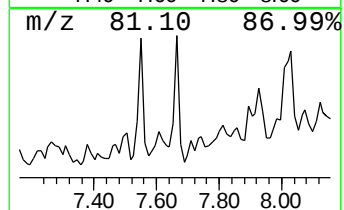
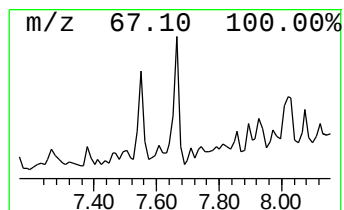
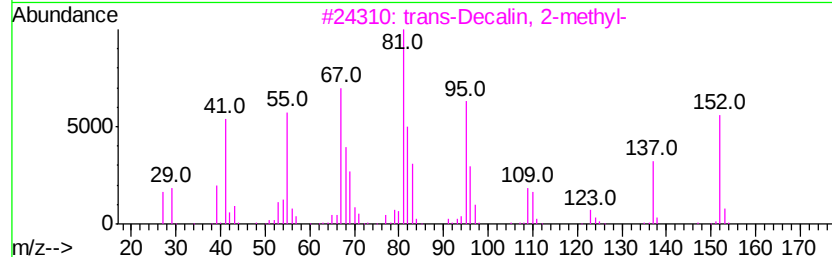
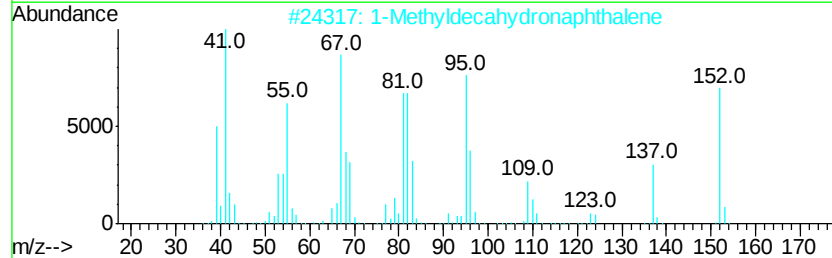
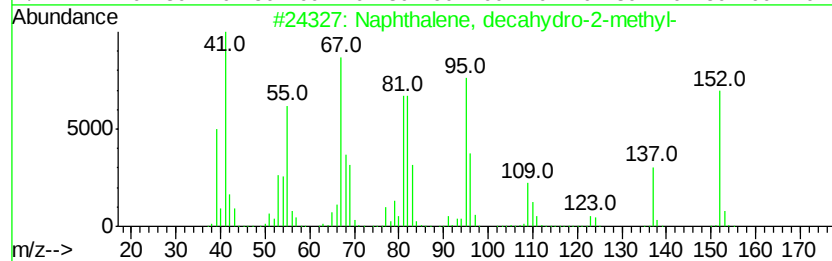
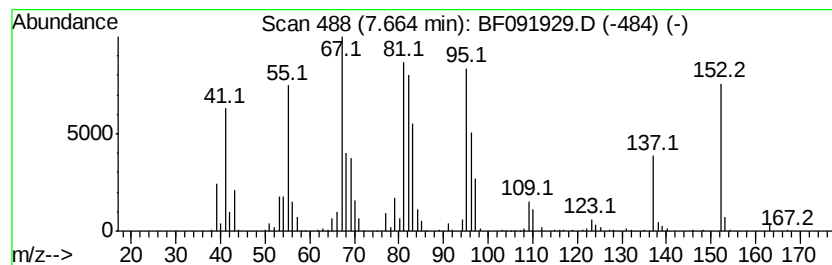
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, decahydro-2-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	14.20 ng	1680790	Naphthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	90
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
4		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5		Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	52



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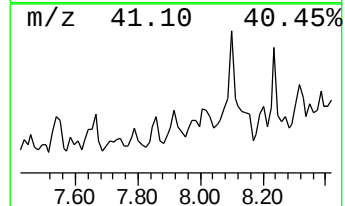
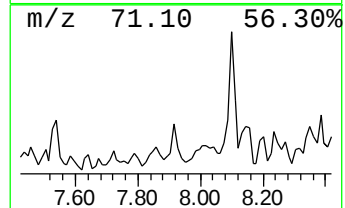
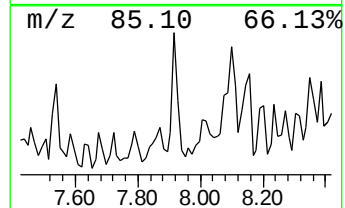
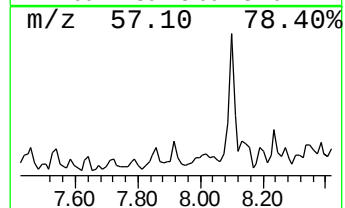
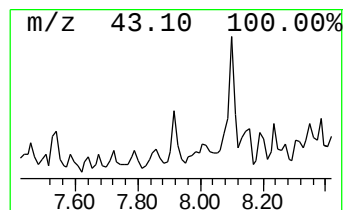
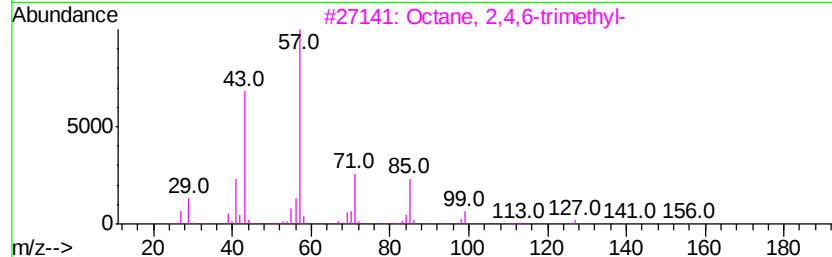
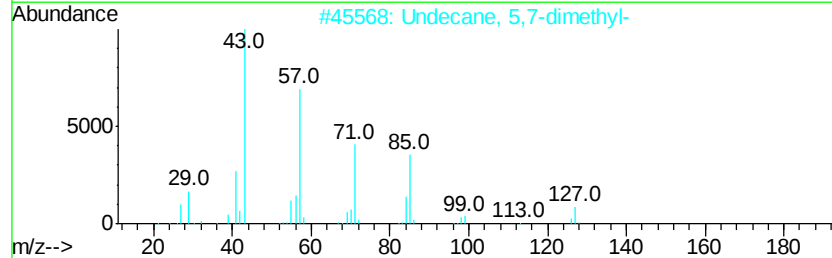
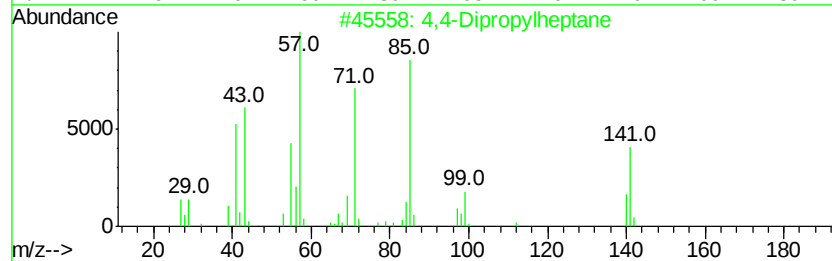
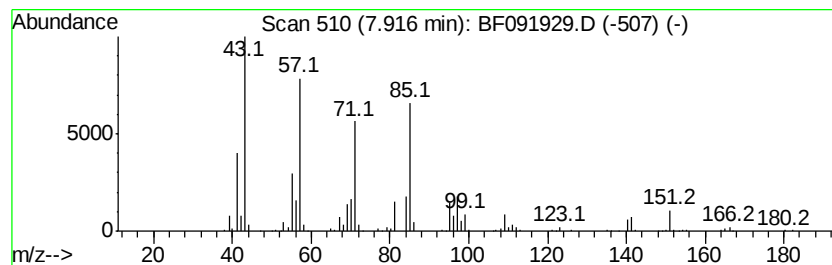
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4,4-Dipropylheptane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	16.25 ng	1923430	Naphthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4-Dipropylheptane	184	C13H28	017312-72-0	59
2		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	53
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53
4		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53
5		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

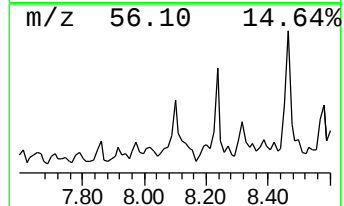
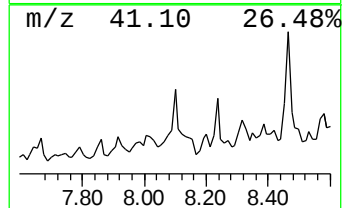
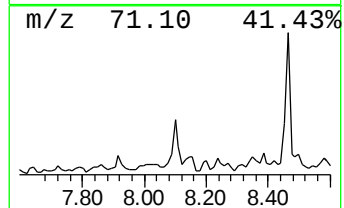
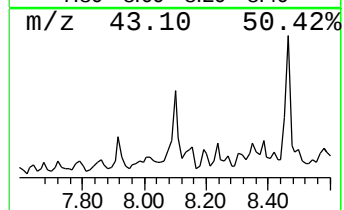
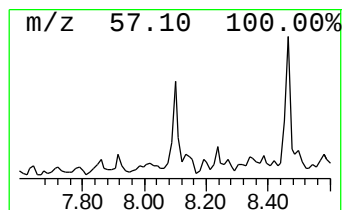
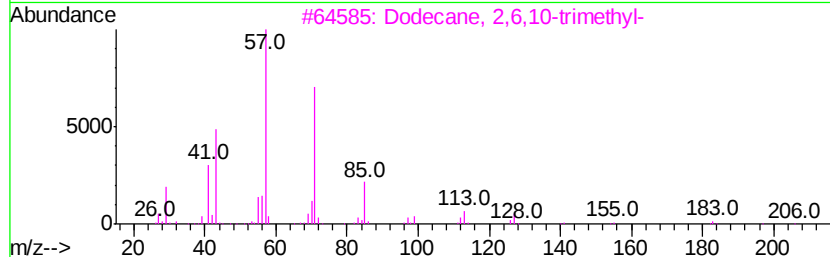
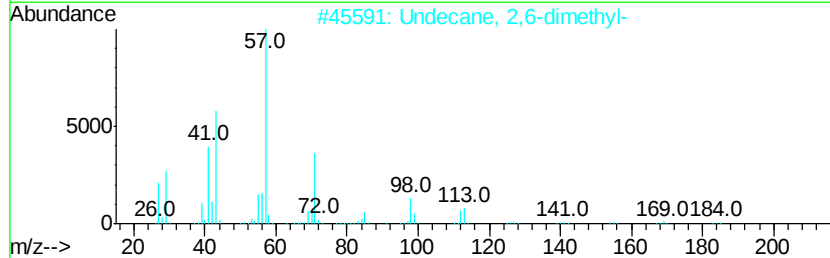
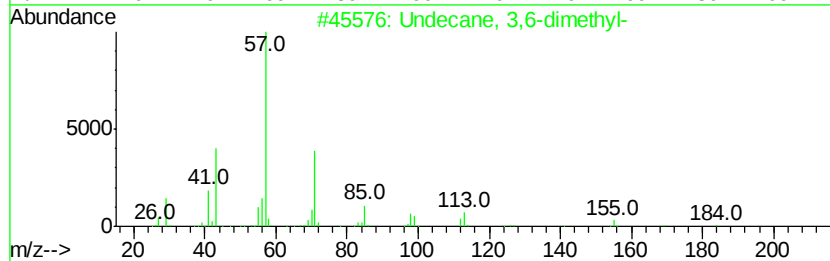
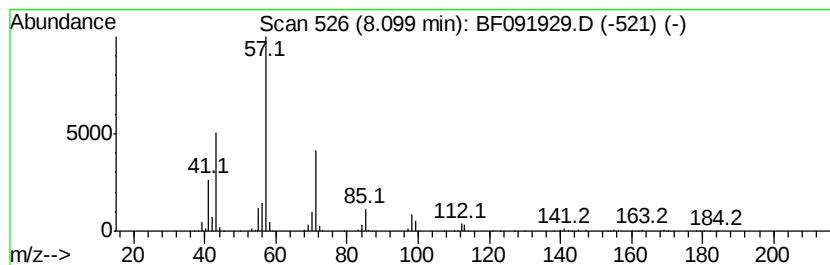
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Undecane, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	29.11 ng	3444540	Napthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	86
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	78
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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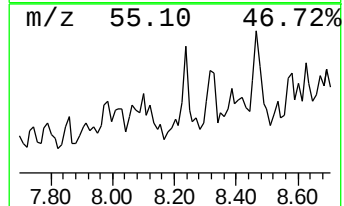
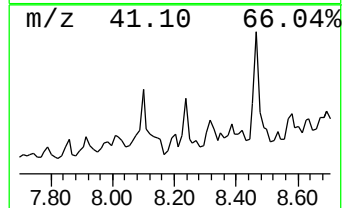
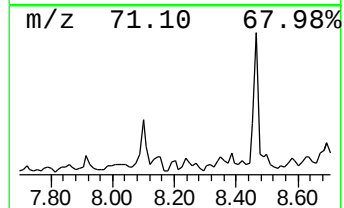
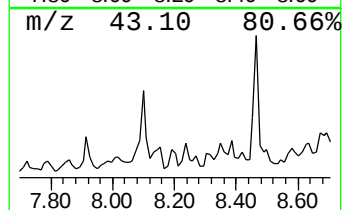
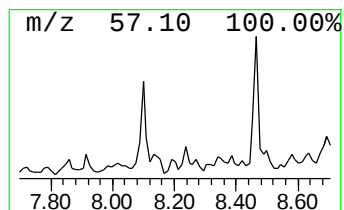
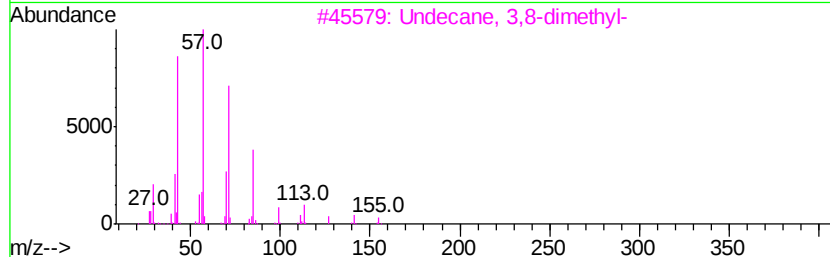
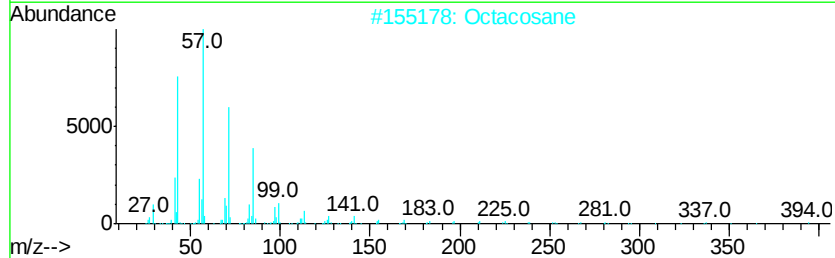
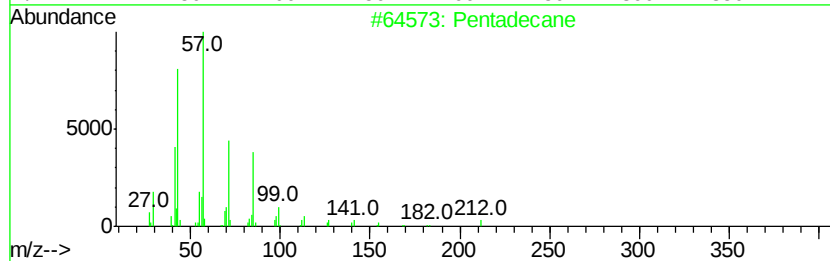
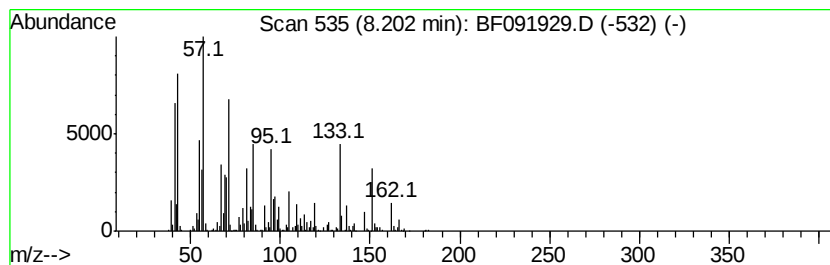
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown8.20 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	13.27 ng	1570430	Naphthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	25
2		Octacosane	394	C28H58	000630-02-4	25
3		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	25
4		Nonadecane	268	C19H40	000629-92-5	25
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

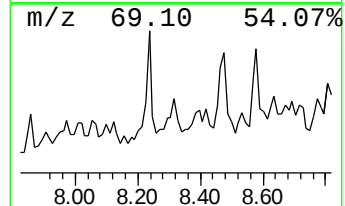
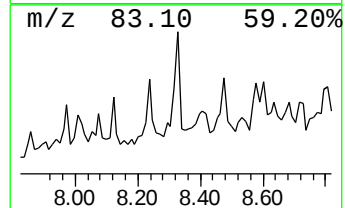
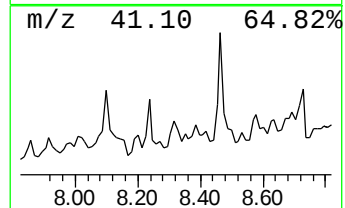
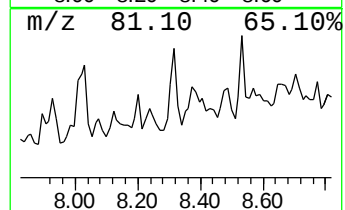
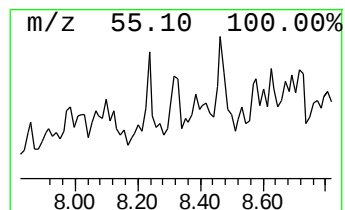
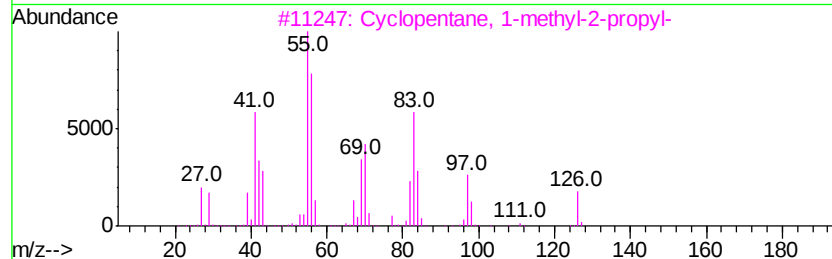
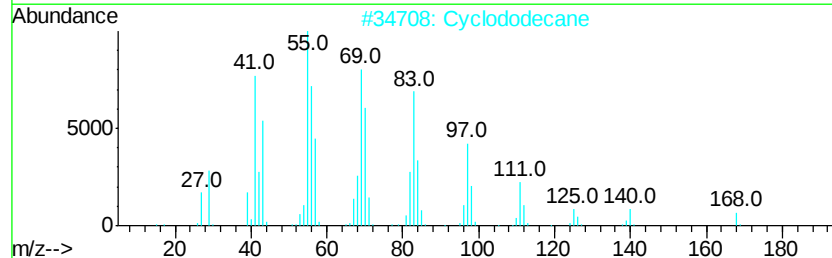
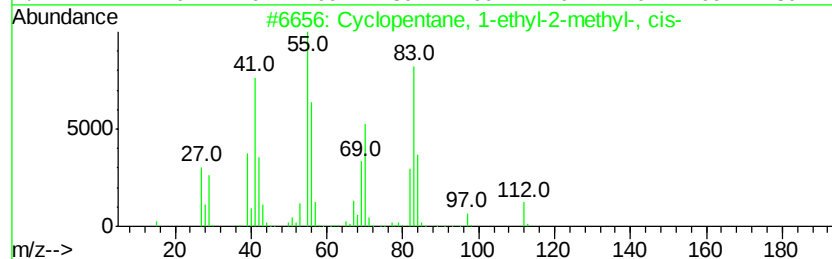
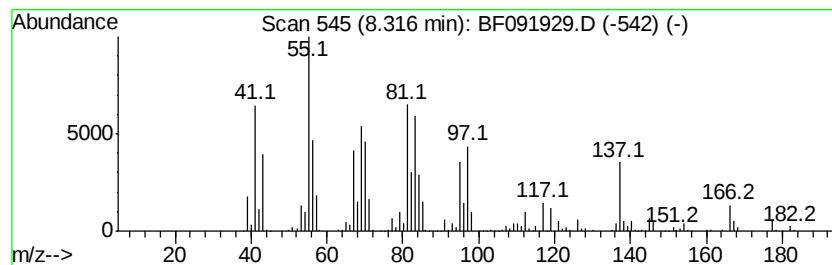
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopentane, 1-ethyl-2-met... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	17.86 ng	2113770	Naphthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-2-methyl-, ...	112	C8H16	000930-89-2	70
2		Cyclododecane	168	C12H24	000294-62-2	58
3		Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	49
4		4-Tridecene, (Z)-	182	C13H26	041446-54-2	46
5		5-Eicosene, (E)-	280	C20H40	074685-30-6	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
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Acq On : 23 Dec 2016 17:44
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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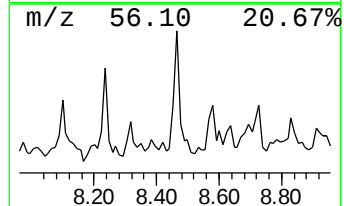
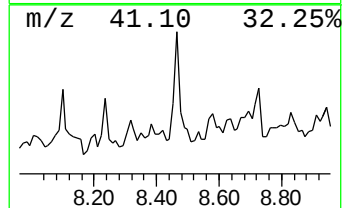
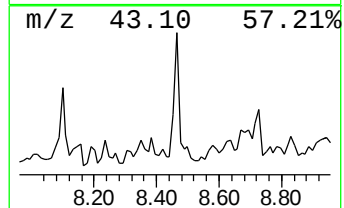
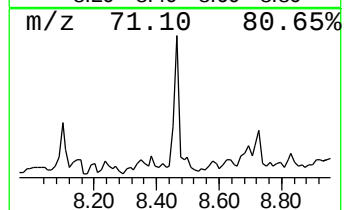
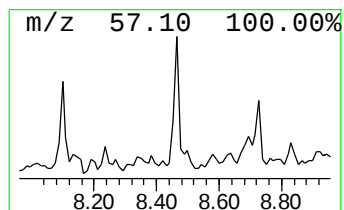
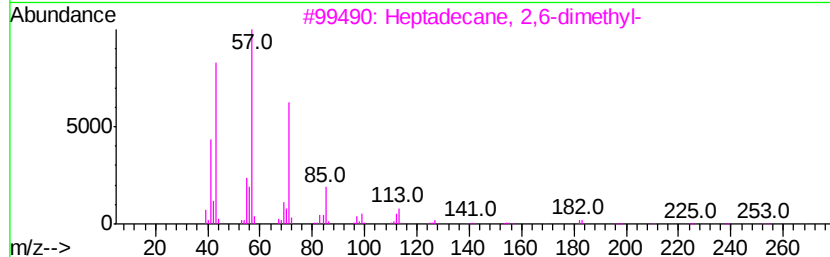
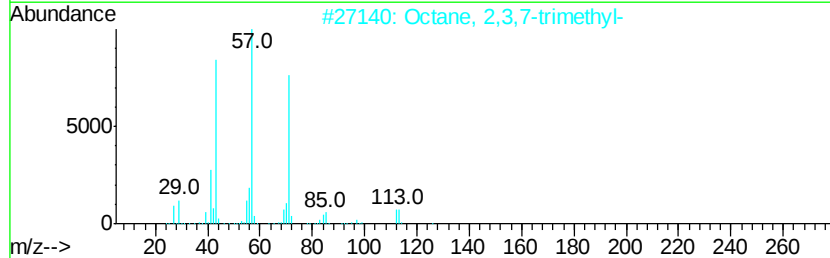
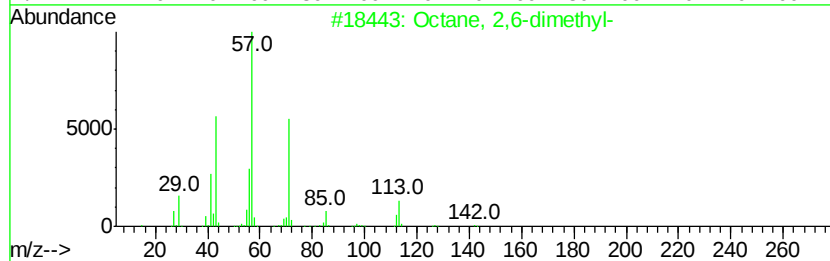
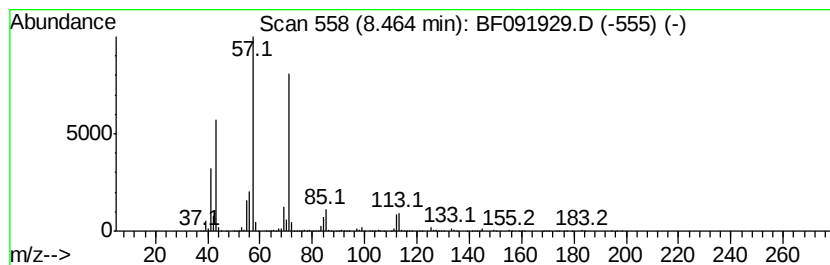
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	45.10 ng	5337420	Naphthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	83
3		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	78
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
5		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
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Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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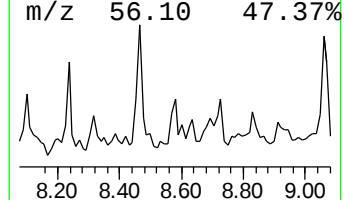
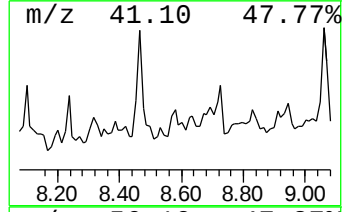
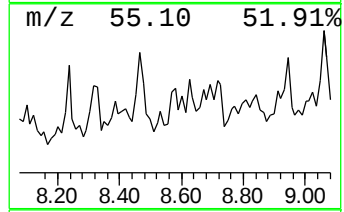
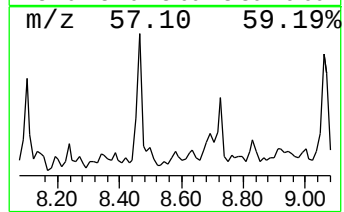
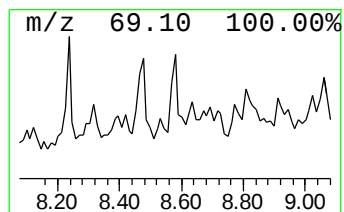
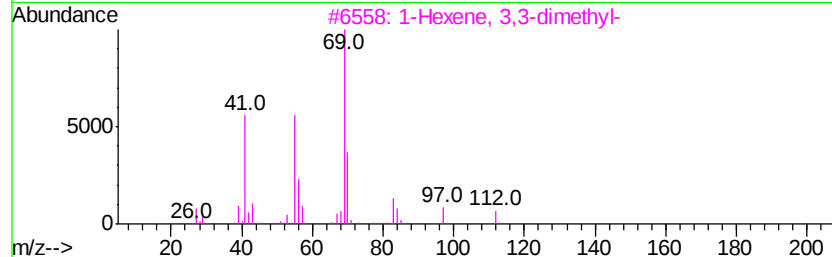
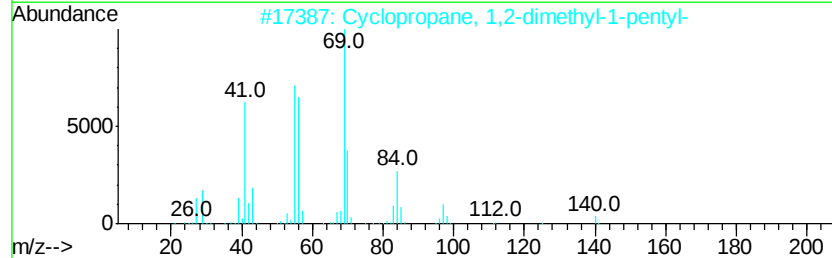
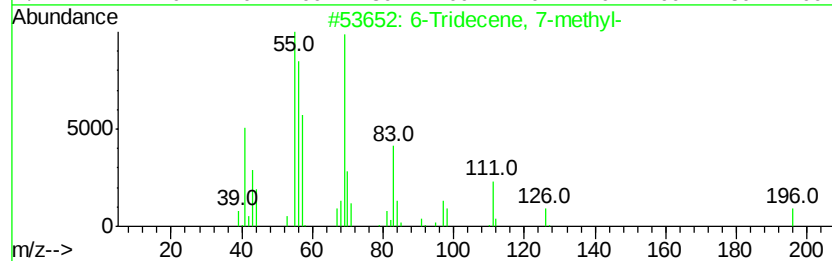
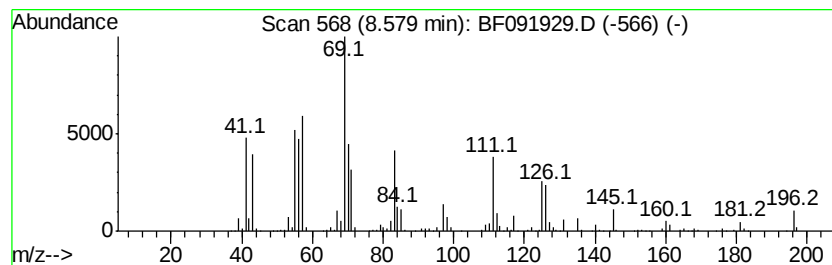
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 6-Tridecene, 7-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	17.54 ng	2076260	Naphthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	72
2		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	55
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
4		Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	46
5		5-Tetradecene, (E)-	196	C14H28	041446-66-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
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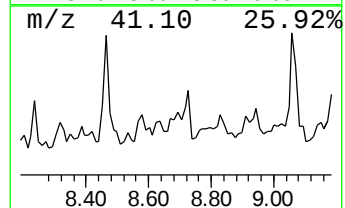
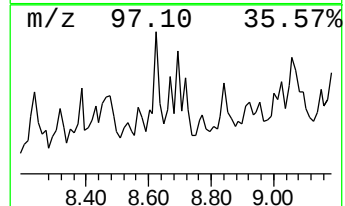
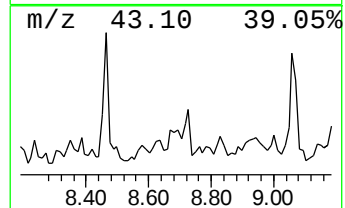
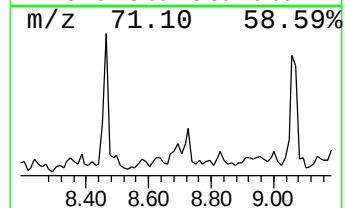
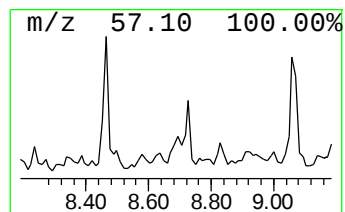
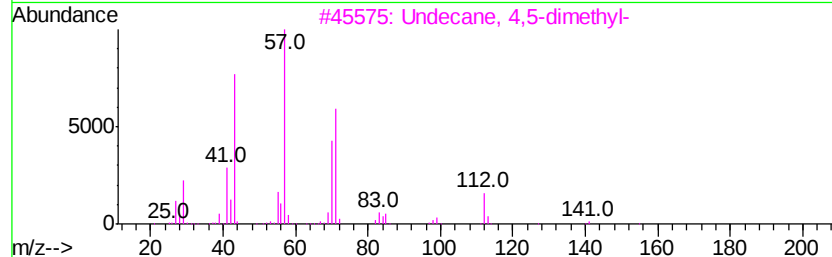
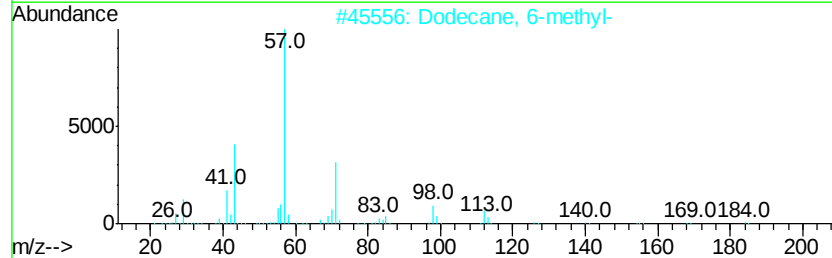
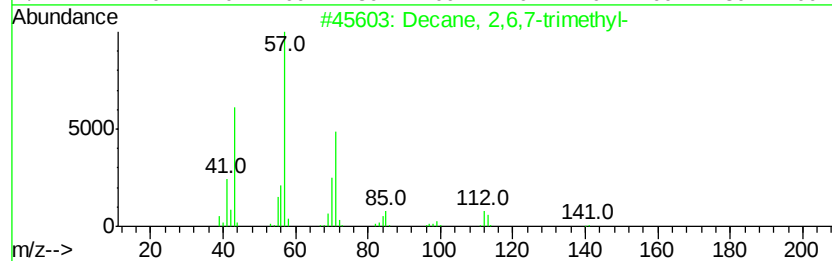
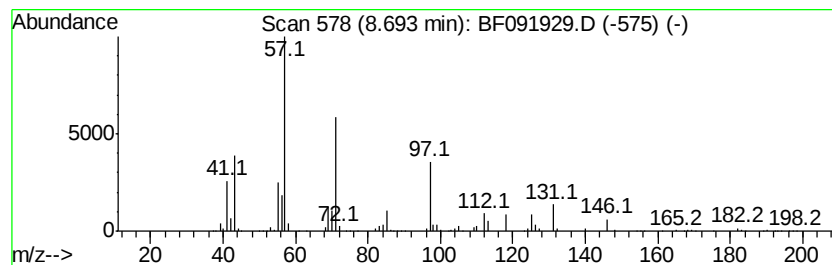
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Decane, 2,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.69	18.33 ng	2169290	Napthalene-d8	8.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	50
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	50
3	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	47
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
5	Heptacosane	380	C27H56	000593-49-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

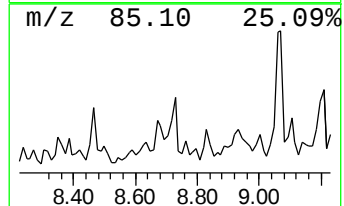
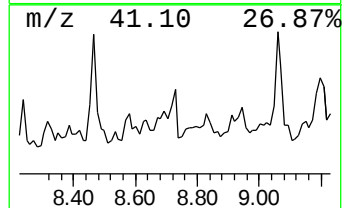
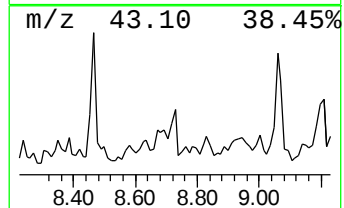
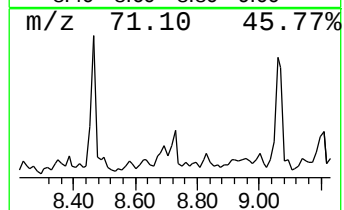
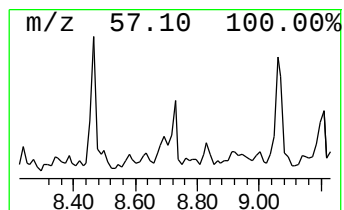
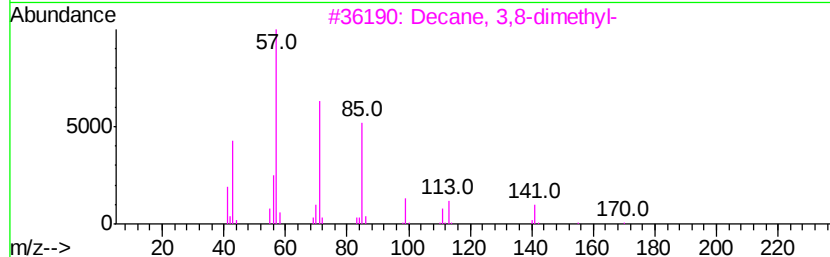
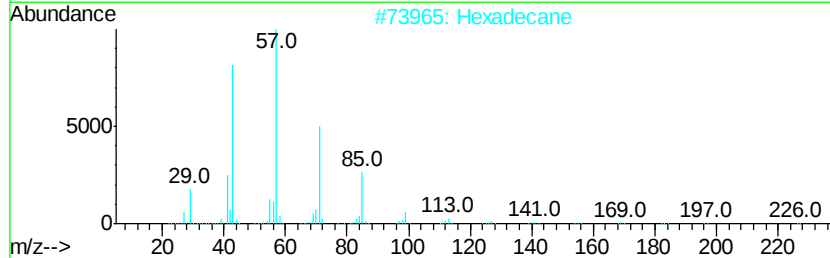
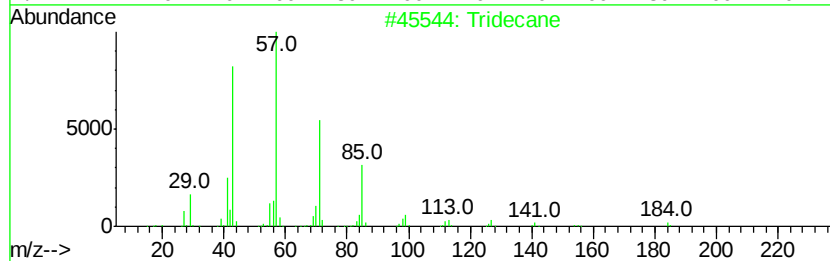
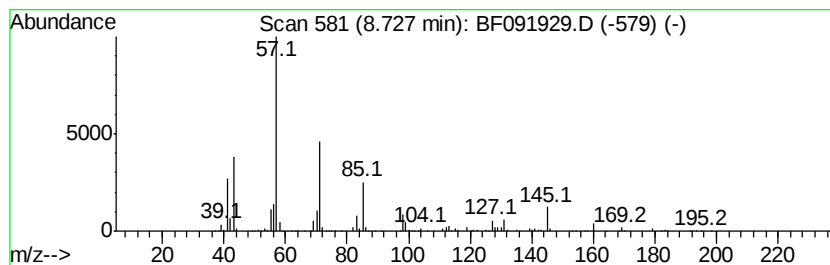
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	18.89 ng	2235360	Napthalene-d8	8.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	64
2	Hexadecane	226 C16H34	000544-76-3	64
3	Decane, 3,8-dimethyl-	170 C12H26	017312-55-9	64
4	Decane, 6-ethyl-2-methyl-	184 C13H28	062108-21-8	64
5	Undecane, 4,6-dimethyl-	184 C13H28	017312-82-2	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
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Acq On : 23 Dec 2016 17:44
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Sample : H6068-05
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ALS Vial : 14 Sample Multiplier: 1

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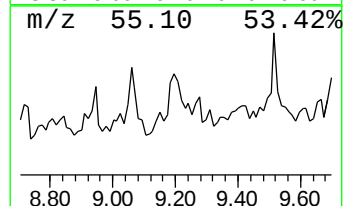
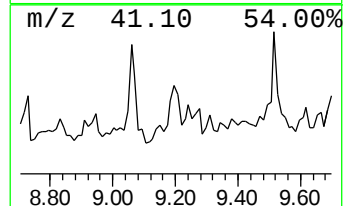
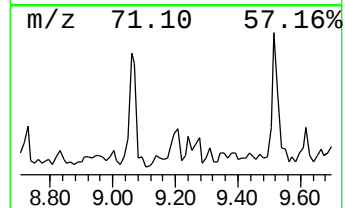
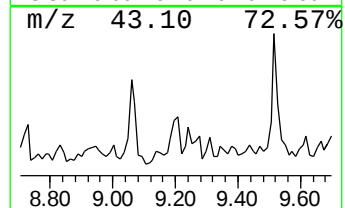
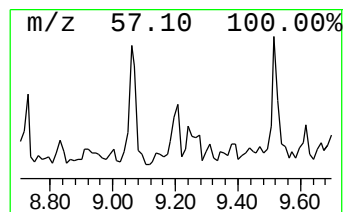
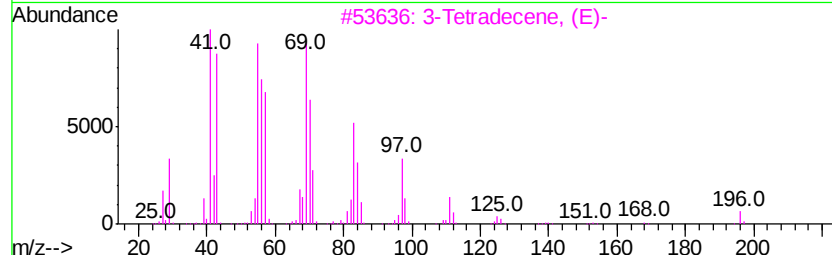
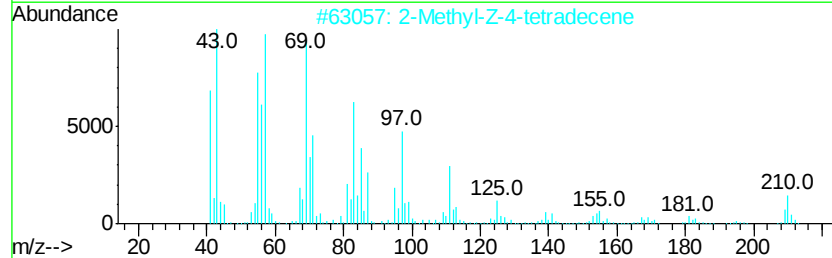
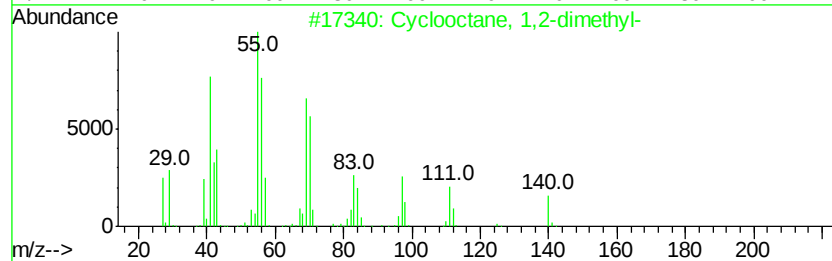
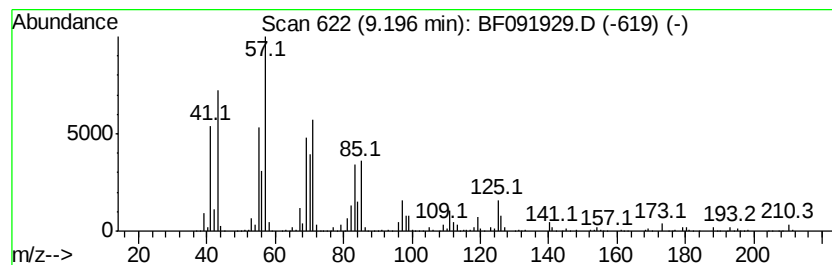
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown6.20 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	26.89 ng	3973930	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	46
2		2-Methyl-Z-4-tetradecene	210	C15H30	1000130-78-3	46
3		3-Tetradecene, (E)-	196	C14H28	041446-68-8	46
4		1-Pentadecene	210	C15H30	013360-61-7	45
5		4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-5

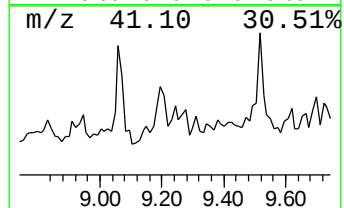
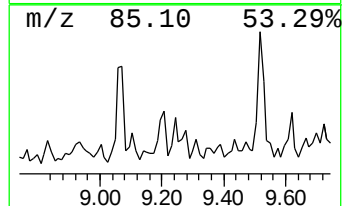
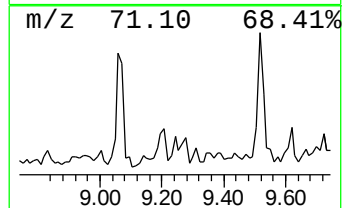
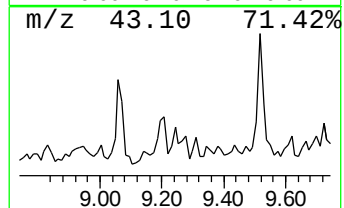
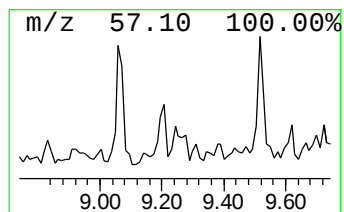
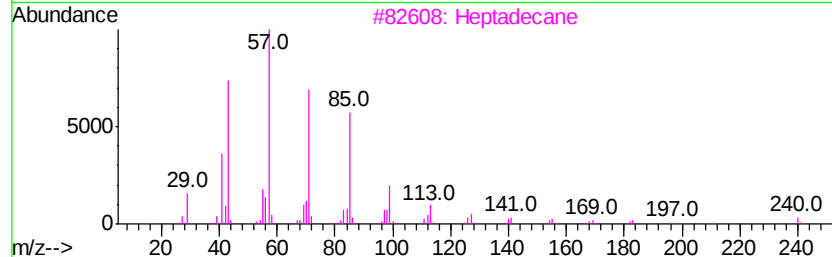
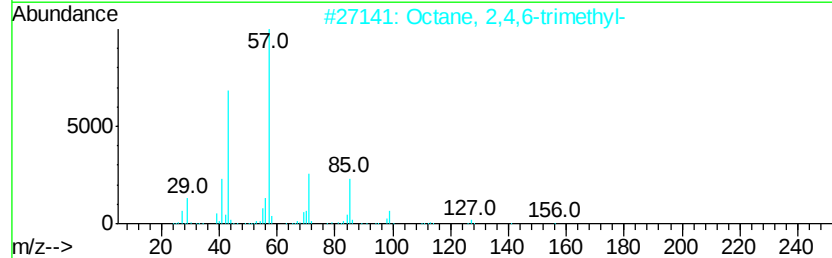
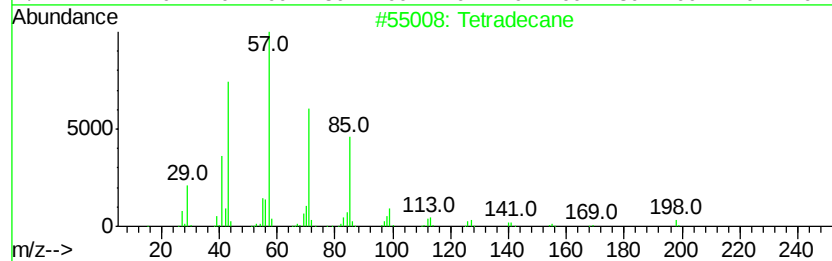
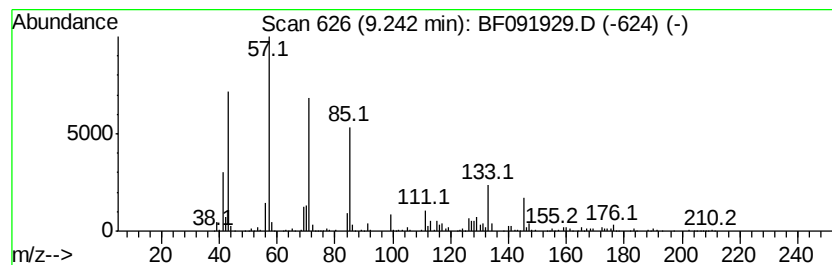
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	17.50 ng	2586630	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	52
2		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
3		Heptadecane	240	C17H36	000629-78-7	50
4		Eicosane	282	C20H42	000112-95-8	43
5		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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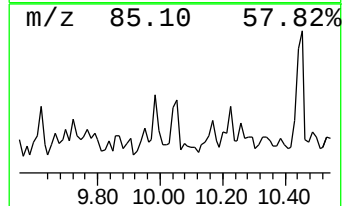
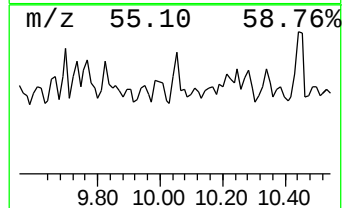
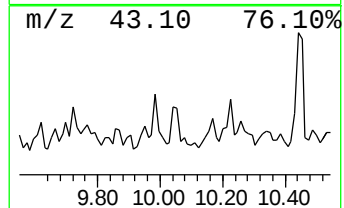
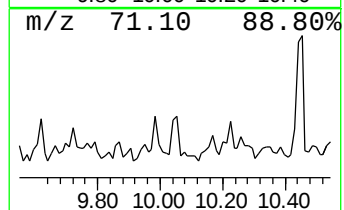
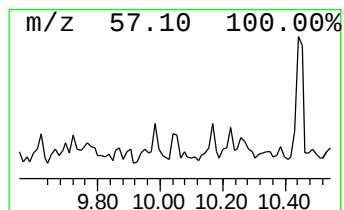
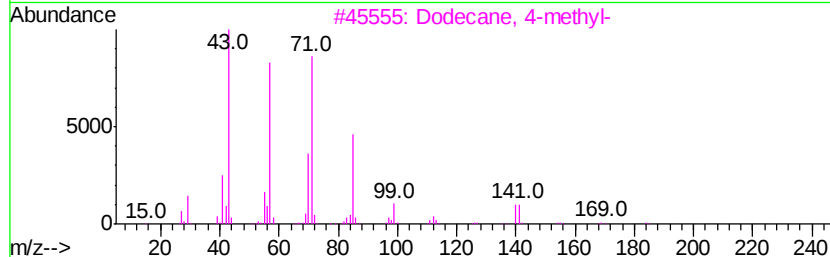
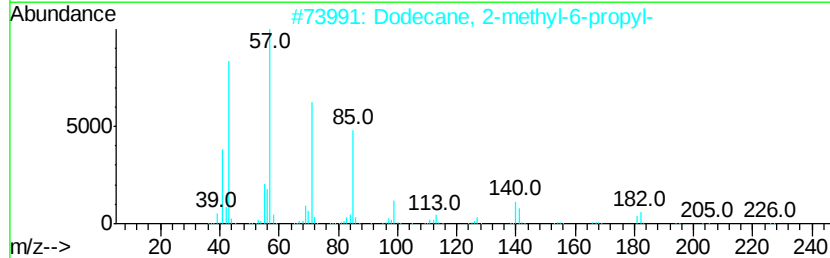
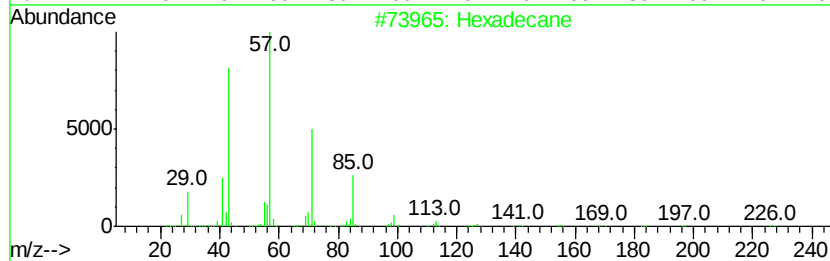
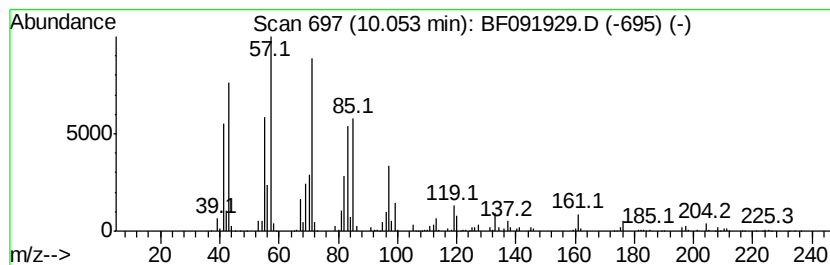
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown10.05 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	14.04 ng	2075550	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	43
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	43
3		Dodecane, 4-methyl-	184	C13H28	006117-97-1	38
4		1-Hexadecanol	242	C16H34O	036653-82-4	35
5		Butanal, 4-[(tetrahydro-2H-pyran...	172	C9H16O3	054911-85-2	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
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Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
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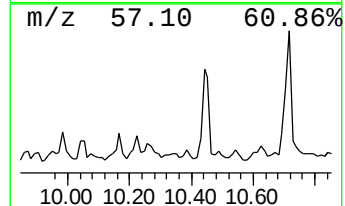
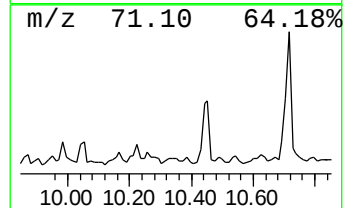
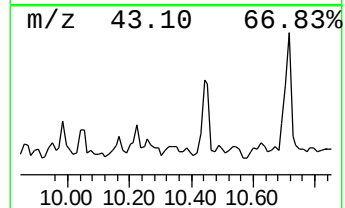
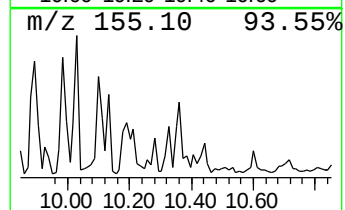
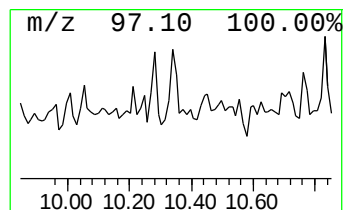
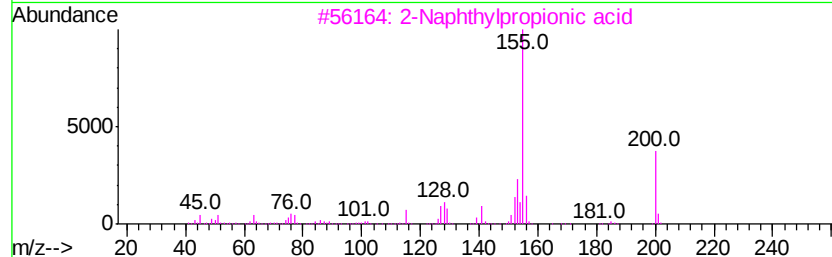
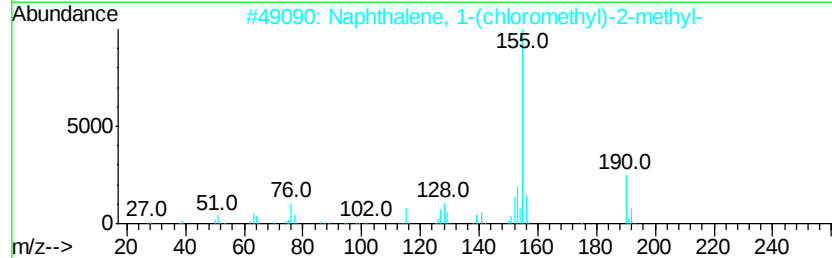
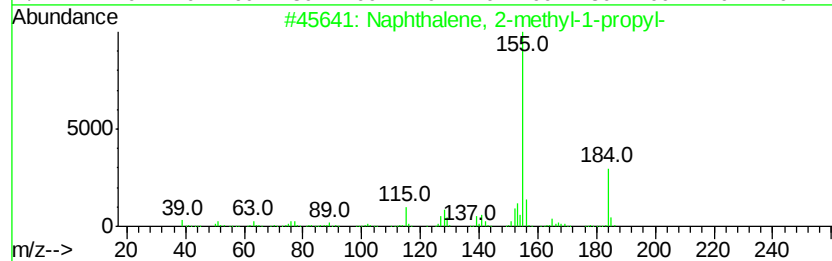
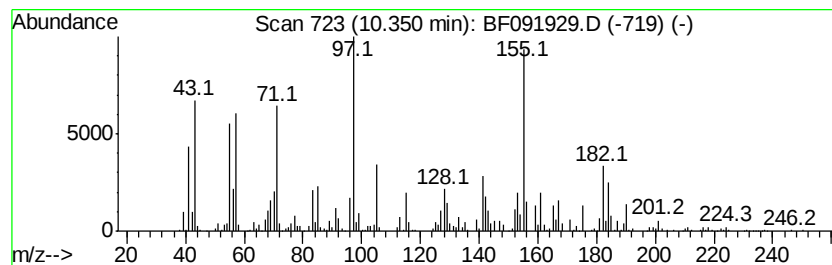
Instrument :
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown10.35 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	16.00 ng	2364160	Acenaphthene-d10	9.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-methyl-1-propyl-	184 C14H16	054774-89-9 41
2		Naphthalene, 1-(chloromethyl)-2-...	190 C12H11Cl	006626-23-9 25
3		2-Naphthylpropionic acid	200 C13H12O2	1000129-24-1 22
4		Spiro[3,5-dioxatricyclo[6.4.0.0(...	334 C21H34O3	1000158-28-2 22
5		3-Butenamide, N-1-(1-naphthyl)et...	239 C16H17NO	1000157-92-7 22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
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Sample : H6068-05
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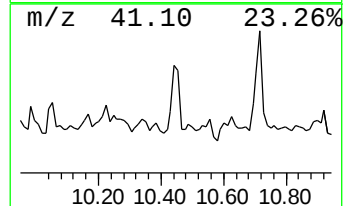
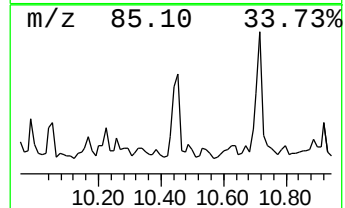
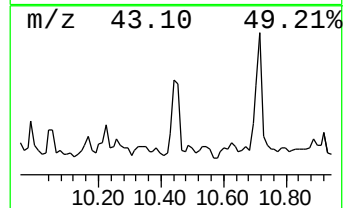
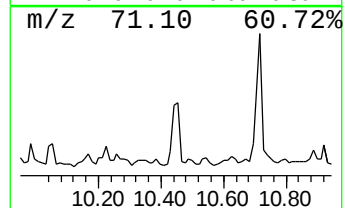
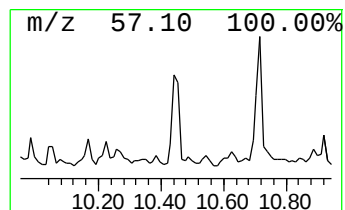
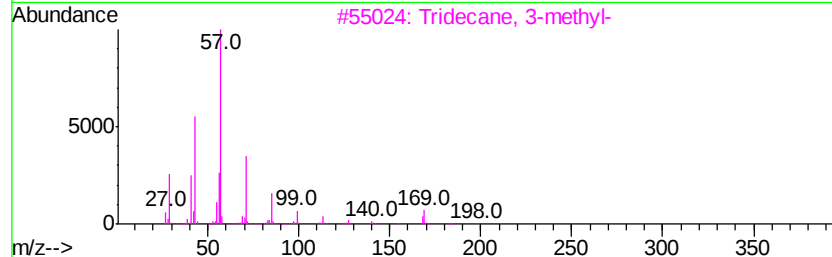
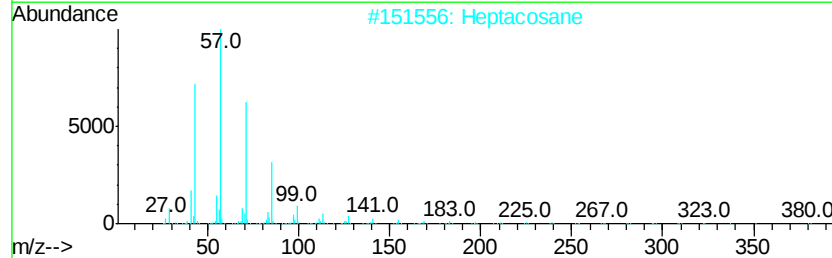
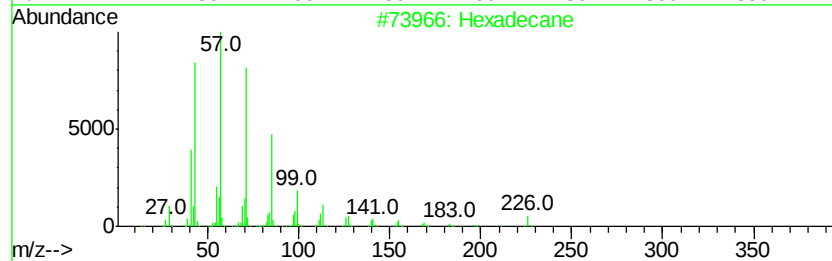
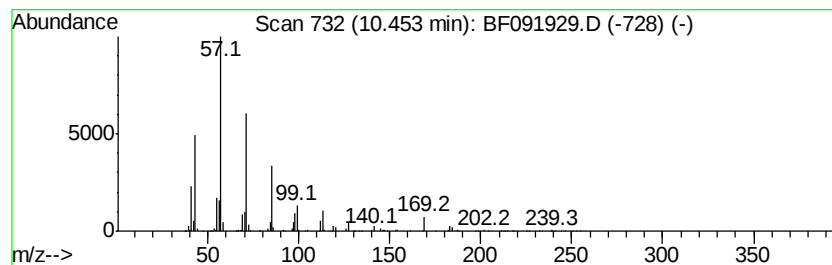
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.45	42.80 ng	6324740	Acenaphthene-d10		9.78
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Heptacosane	380	C27H56	000593-49-7	80
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	76
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72
5	Tetracosane	338	C24H50	000646-31-1	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
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ClientSampled :
B-5

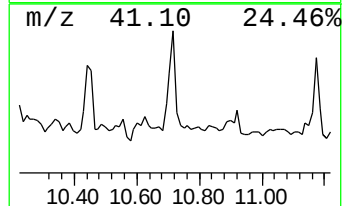
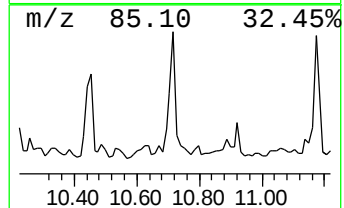
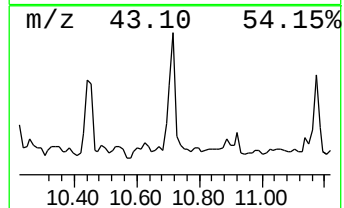
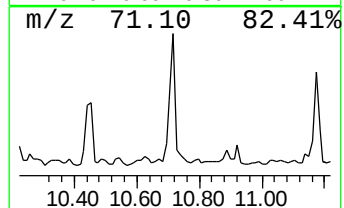
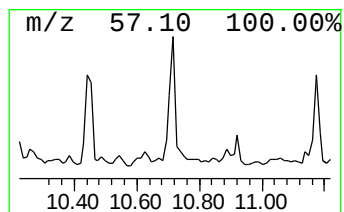
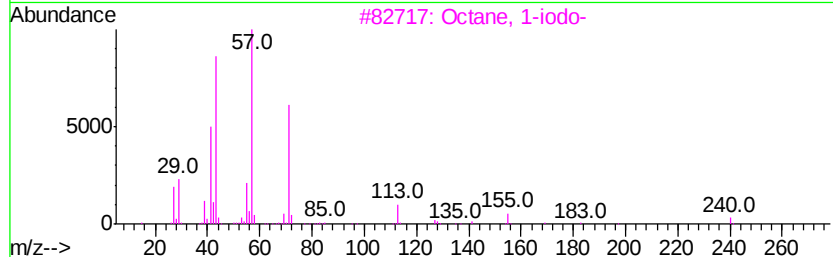
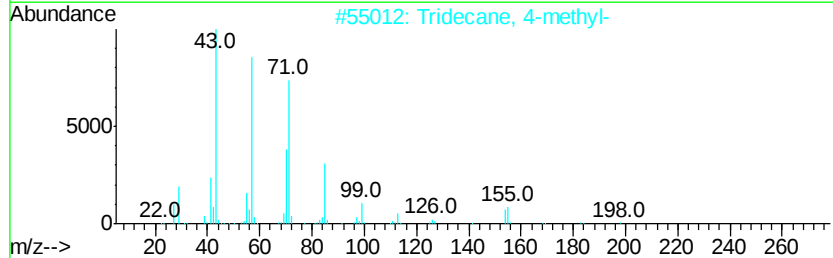
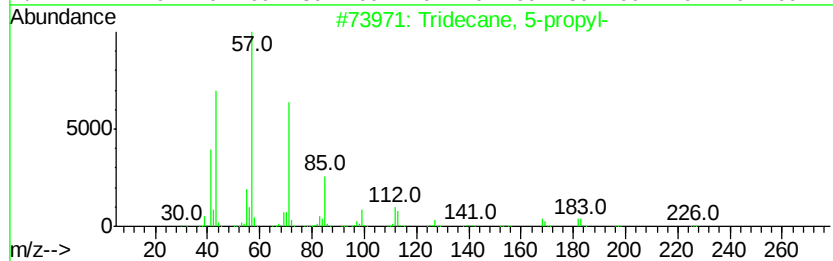
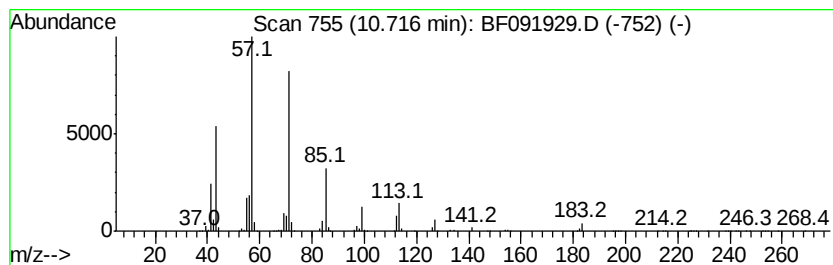
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tridecane, 5-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	75.03 ng	7976220	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2		Tridecane, 4-methyl-	198	C14H30	026730-12-1	72
3		Octane, 1-iodo-	240	C8H17I	000629-27-6	70
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

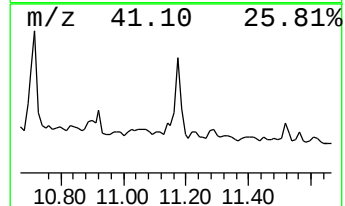
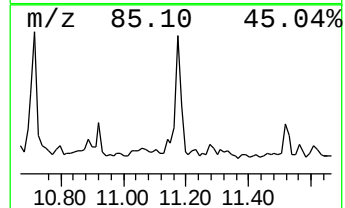
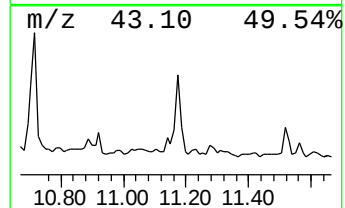
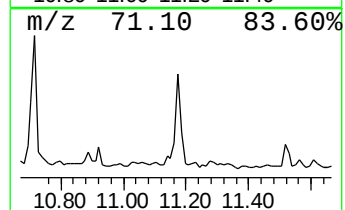
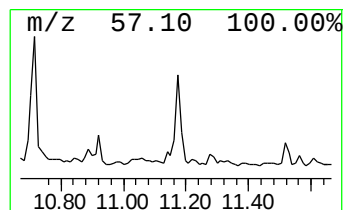
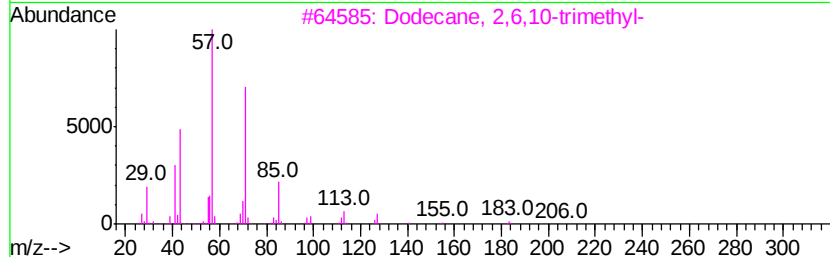
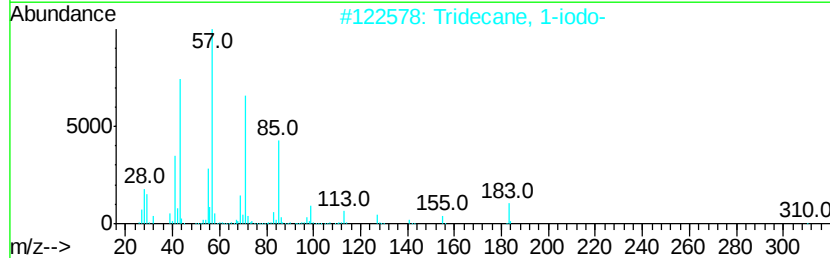
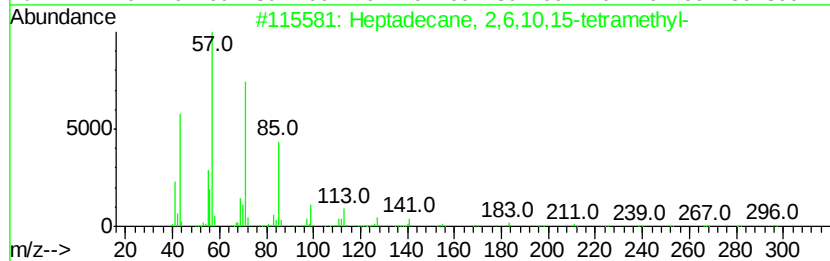
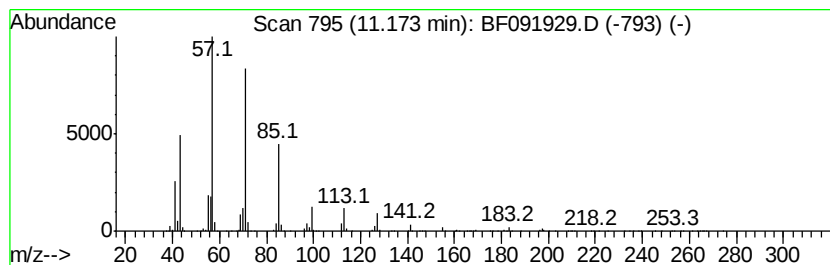
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heptadecane, 2,6,10,15-tetr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	54.91 ng	5836850	Phenanthrene-d10	11.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
3			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
5			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091929.D
Acq On : 23 Dec 2016 17:44
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

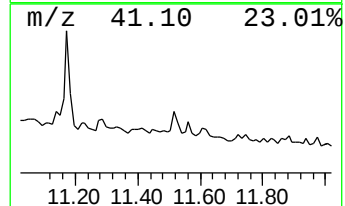
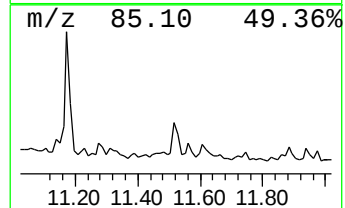
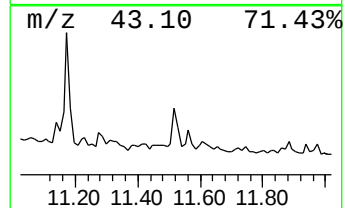
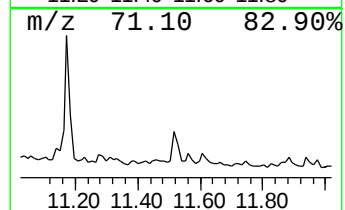
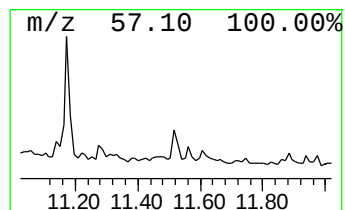
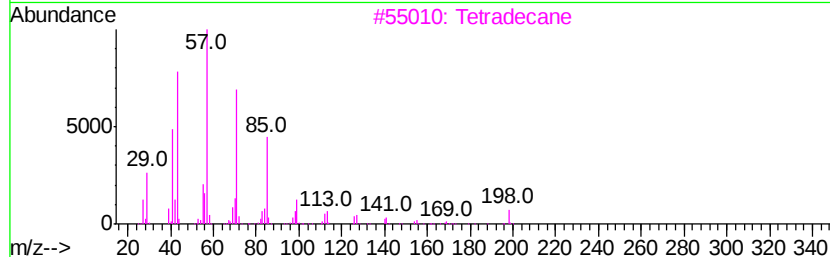
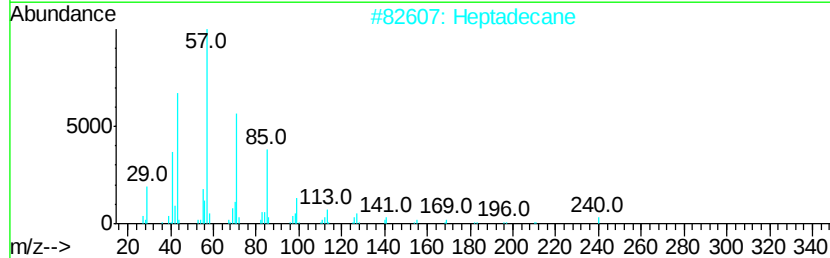
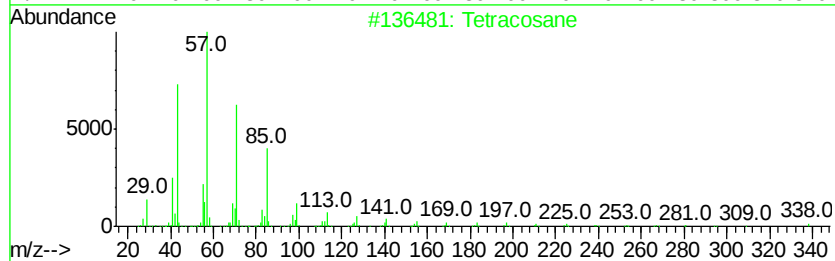
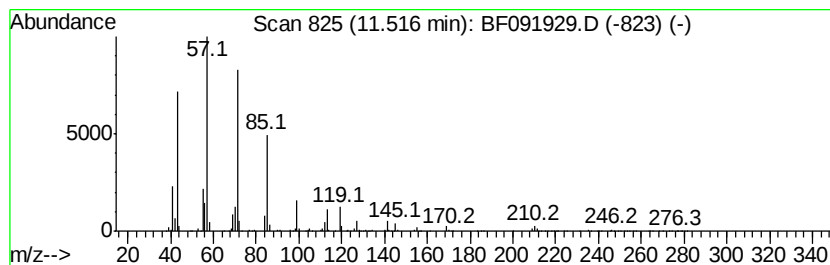
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tetracosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	13.55 ng	1440290	Phenanthrene-d10	11.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	86
2			Heptadecane	240	C17H36	000629-78-7	86
3			Tetradecane	198	C14H30	000629-59-4	86
4			Hexadecane	226	C16H34	000544-76-3	86
5			Tritetracontane	605	C43H88	007098-21-7	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091929.D
 Acq On : 23 Dec 2016 17:44
 Operator : UM/SJ
 Sample : H6068-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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
2-Pentanone, 4-hy...	4.91	26.6	ng	2764710	1	6.74	2076000	20.0
unknown6.52	6.52	53.1	ng	5516440	1	6.74	2076000	20.0
Naphthalene, deca...	7.66	14.2	ng	1680790	2	8.03	2366810	20.0
4,4-Dipropylheptane	7.92	16.3	ng	1923430	2	8.03	2366810	20.0
Undecane, 3,6-dim...	8.10	29.1	ng	3444540	2	8.03	2366810	20.0
unknown8.20	8.20	13.3	ng	1570430	2	8.03	2366810	20.0
Cyclopentane, 1-e...	8.32	17.9	ng	2113770	2	8.03	2366810	20.0
Octane, 2,6-dimet...	8.46	45.1	ng	5337420	2	8.03	2366810	20.0
6-Tridecene, 7-me...	8.58	17.5	ng	2076260	2	8.03	2366810	20.0
Decane, 2,6,7-tri...	8.69	18.3	ng	2169290	2	8.03	2366810	20.0
Tridecane	8.73	18.9	ng	2235360	2	8.03	2366810	20.0
unknown6.20	9.20	26.9	ng	3973930	3	9.78	2955750	20.0
Tetradecane	9.24	17.5	ng	2586630	3	9.78	2955750	20.0
unknown10.05	10.05	14.0	ng	2075550	3	9.78	2955750	20.0
unknown10.35	10.35	16.0	ng	2364160	3	9.78	2955750	20.0
Hexadecane	10.45	42.8	ng	6324740	3	9.78	2955750	20.0
Tridecane, 5-propyl-	10.72	75.0	ng	7976220	4	11.26	2126010	20.0
Heptadecane, 2,6,...	11.17	54.9	ng	5836850	4	11.26	2126010	20.0
Tetracosane	11.52	13.6	ng	1440290	4	11.26	2126010	20.0