

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
 Data File : BF091896.D
 Acq On : 22 Dec 2016 19:54
 Operator : UM/SJ
 Sample : H6068-05
 Misc :
 ALS Vial : 8 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	4.933	245	249	252	rBV	1568225	2228971	25.18%	1.408%
2	5.401	288	290	293	rBV	4039898	4866027	54.96%	3.073%
3	5.756	318	321	323	rVB2	63089	104818	1.18%	0.066%
4	5.893	330	333	335	rVB	117237	140930	1.59%	0.089%
5	5.939	335	337	340	rBV3	50706	104694	1.18%	0.066%
6	5.984	340	341	345	rBV2	155801	274024	3.10%	0.173%
7	6.041	345	346	348	rBV	133833	198718	2.24%	0.126%
8	6.076	348	349	355	rVB3	66992	183355	2.07%	0.116%
9	6.179	355	358	360	rBV2	154352	205054	2.32%	0.130%
10	6.270	364	366	371	rVB	269053	393388	4.44%	0.248%
11	6.373	371	375	376	rBV2	57896	160081	1.81%	0.101%
12	6.407	376	378	379	rBV2	195359	301987	3.41%	0.191%
13	6.453	379	382	384	rBV	4095288	4882828	55.15%	3.084%
14	6.487	384	385	387	rVB2	89293	104572	1.18%	0.066%
15	6.544	387	390	392	rVB	4907244	5576584	62.99%	3.522%
16	6.601	392	395	397	rVB3	125392	178920	2.02%	0.113%
17	6.693	397	403	404	rBV4	126781	343239	3.88%	0.217%
18	6.750	404	408	412	rVB2	1307903	1977953	22.34%	1.249%
19	6.807	412	413	415	rBV	199859	271923	3.07%	0.172%
20	6.853	415	417	418	rBV2	150995	250104	2.82%	0.158%
21	6.910	420	422	424	rBV	3973156	4041702	45.65%	2.553%
22	7.024	426	432	434	rVB3	456421	979920	11.07%	0.619%
23	7.104	437	439	440	rBV2	149411	228305	2.58%	0.144%
24	7.139	440	442	444	rBV	275814	409426	4.62%	0.259%
25	7.230	448	450	451	rBV	123694	156508	1.77%	0.099%
26	7.322	451	458	460	rBV	2914319	4632836	52.33%	2.926%
27	7.402	462	465	467	rVB2	616420	947042	10.70%	0.598%
28	7.470	467	471	473	rBV2	458395	1069350	12.08%	0.675%
29	7.516	473	475	476	rBV	172818	297828	3.36%	0.188%
30	7.562	476	479	481	rVB2	824711	1415852	15.99%	0.894%
31	7.619	481	484	485	rBV2	274332	563685	6.37%	0.356%
32	7.676	485	489	491	rBV3	940067	1531639	17.30%	0.967%
33	7.756	491	496	497	rBV4	204664	568193	6.42%	0.359%
34	7.802	497	500	503	rVB4	418235	874963	9.88%	0.553%

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35	7.870	503	506	508	rBV3	686674	1142313	12.90%	0.721%
36	7.927	508	511	514	rBV3	794645	1678218	18.96%	1.060%
37	7.996	514	517	518	rBV3	523007	1140718	12.88%	0.720%
38	8.042	518	521	522	rVB	1504842	2088331	23.59%	1.319%
39	8.110	522	527	528	rBV2	1924222	2559339	28.91%	1.616%
40	8.213	533	536	537	rBV	840640	1493748	16.87%	0.943%
41	8.247	537	539	541	rVB2	1457297	1437591	16.24%	0.908%
42	8.327	543	546	547	rBV3	1062759	1831119	20.68%	1.156%
43	8.396	551	552	553	rVV	700489	651813	7.36%	0.412%
44	8.430	553	555	556	rVB2	709618	803211	9.07%	0.507%
45	8.476	556	559	563	rVB2	4486317	6548440	73.96%	4.136%
46	8.545	563	565	567	rVB2	557890	519849	5.87%	0.328%
47	8.590	567	569	572	rBV3	1161705	2253950	25.46%	1.424%
48	8.647	572	574	576	rVV3	624042	1490878	16.84%	0.942%
49	8.705	576	579	580	rVV3	1054278	2388386	26.98%	1.508%
50	8.739	580	582	584	rVB	1651233	2286762	25.83%	1.444%
51	8.785	584	586	589	rBV4	507821	1382833	15.62%	0.873%
52	8.842	589	591	595	rVB3	1050477	1967148	22.22%	1.242%
53	8.922	596	598	600	rVV2	897318	1499624	16.94%	0.947%
54	8.956	600	601	603	rVB2	1063022	960631	10.85%	0.607%
55	9.070	609	611	613	rBV	4268150	5737238	64.80%	3.623%
56	9.116	613	615	617	rVB	3414046	4983592	56.29%	3.147%
57	9.162	617	619	620	rBV	359123	367917	4.16%	0.232%
58	9.207	620	623	625	rBV3	2593768	4860734	54.90%	3.070%
59	9.253	625	627	628	rVV2	1376552	2071107	23.39%	1.308%
60	9.322	631	633	634	rBV	1101876	1158551	13.09%	0.732%
61	9.527	648	651	657	rVB3	4431561	6875493	77.66%	4.342%
62	9.665	662	663	665	rVB2	653762	789717	8.92%	0.499%
63	9.710	665	667	668	rBV	1464255	1493059	16.86%	0.943%
64	9.733	668	669	671	rBV	827565	1110089	12.54%	0.701%
65	9.790	671	674	676	rVV3	1606876	2993448	33.81%	1.891%
66	9.962	686	689	690	rBV3	745826	1387503	15.67%	0.876%
67	9.996	690	692	695	rVV2	2282955	3327425	37.58%	2.101%
68	10.065	695	698	701	rVB3	1781638	3344252	37.77%	2.112%
69	10.122	701	703	704	rBV2	841156	1442911	16.30%	0.911%
70	10.339	720	722	725	rBV4	1097230	2154374	24.33%	1.361%
71	10.465	729	733	735	rBV	4202201	7295184	82.40%	4.607%

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72	10.499	735	736	738	rVB2	998237	1176873	13.29%	0.743%
73	10.590	738	744	746	rBV4	2162692	5299956	59.86%	3.347%
74	10.728	753	756	758	rBV	6427470	8853569	100.00%	5.592%
75	11.185	794	796	799	rVB	4667316	5549075	62.68%	3.505%
76	11.276	802	804	807	rBV3	913683	1603120	18.11%	1.012%
77	11.528	824	826	828	rVB	960759	1311436	14.81%	0.828%
78	12.259	888	890	893	rVB	584882	923979	10.44%	0.584%
79	12.739	931	932	933	rVB	207102	141968	1.60%	0.090%
80	12.854	940	942	945	rVB	2385255	3423714	38.67%	2.162%
81	13.756	1019	1021	1026	rVB	138215	259451	2.93%	0.164%
82	13.905	1031	1034	1036	rBV	935568	959162	10.83%	0.606%
83	15.299	1153	1156	1159	rBV	688100	851415	9.62%	0.538%

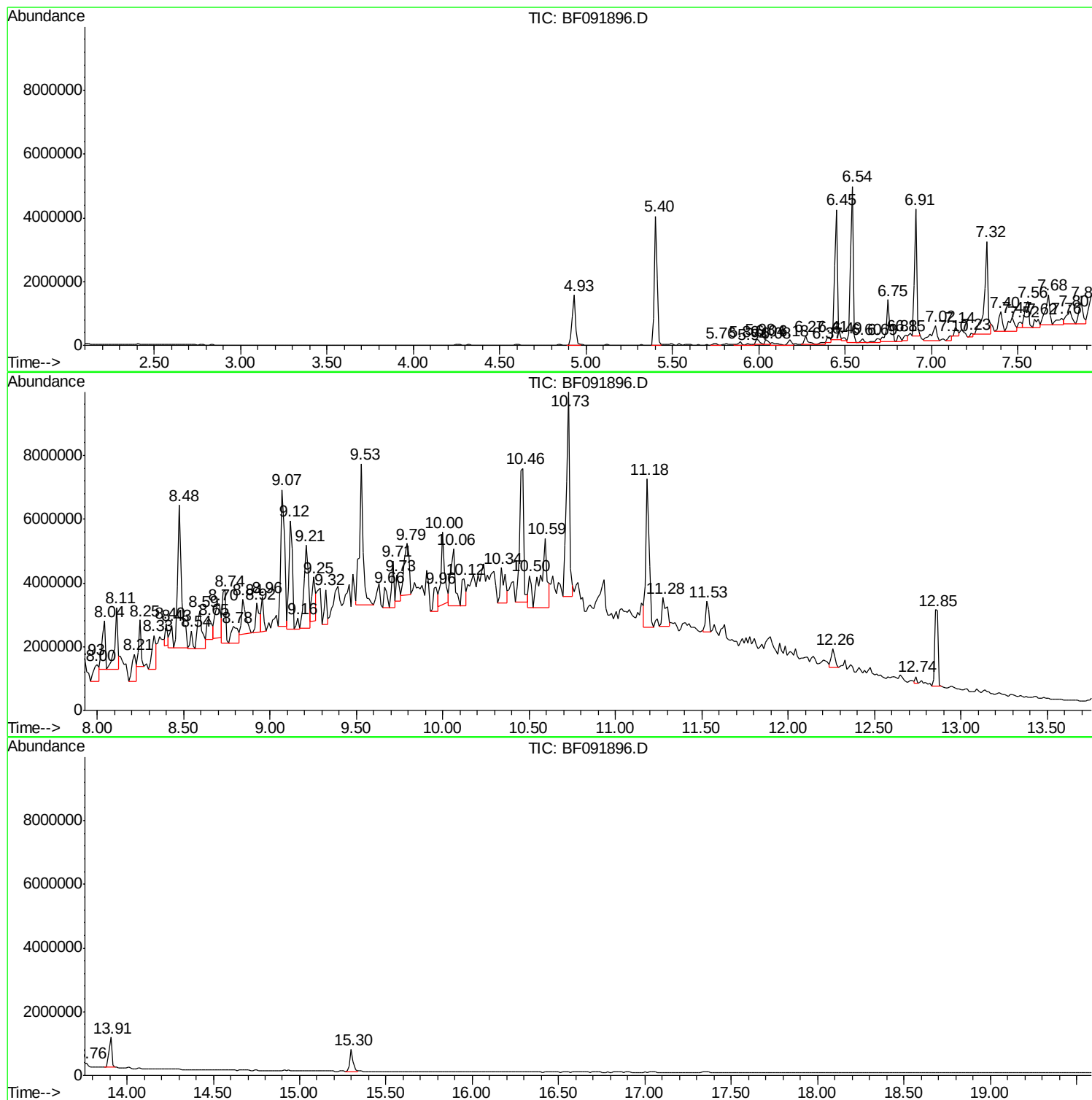
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Instrument :
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :
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Instrument :
BNA_F
ClientSampleId :
B-5

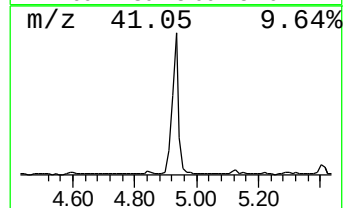
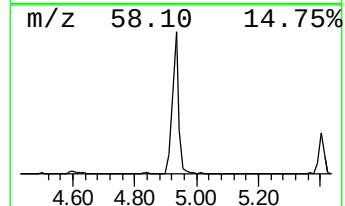
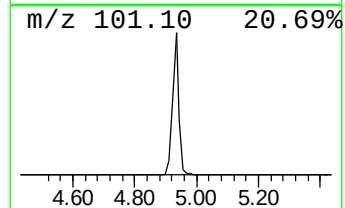
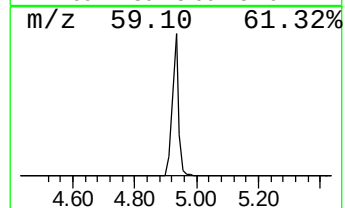
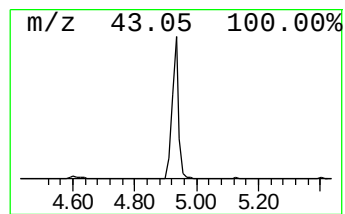
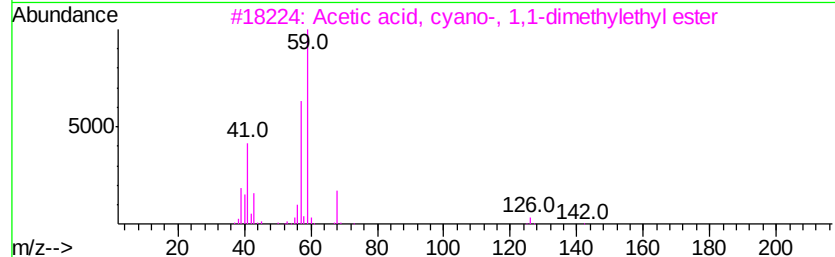
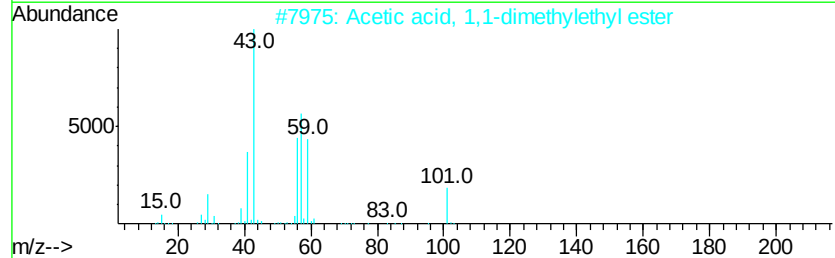
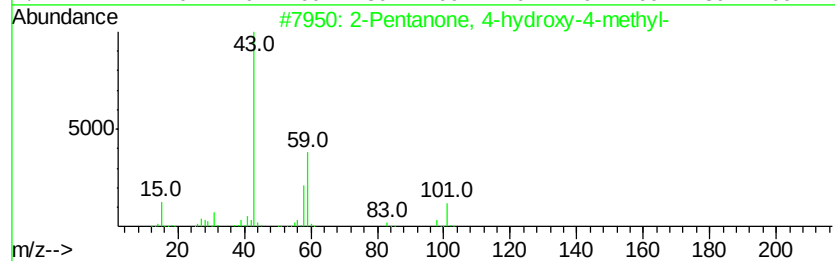
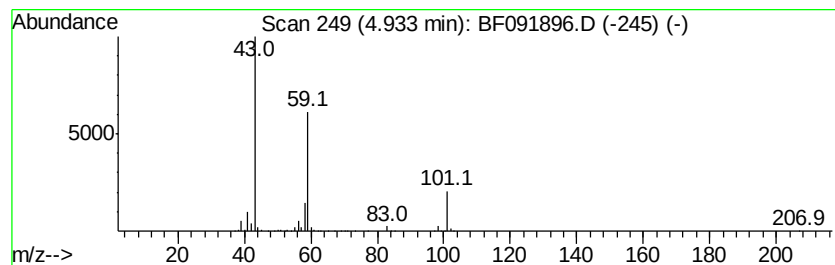
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	22.54 ng	2228970	1,4-Dichlorobenzene-d4	6.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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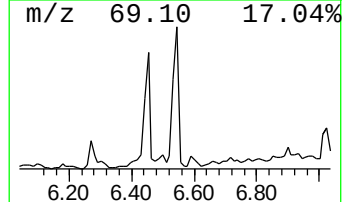
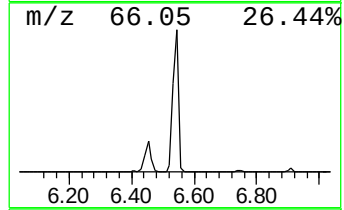
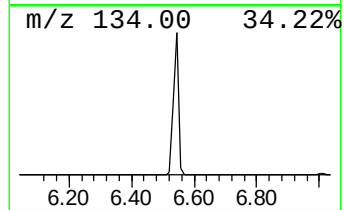
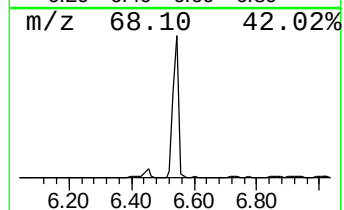
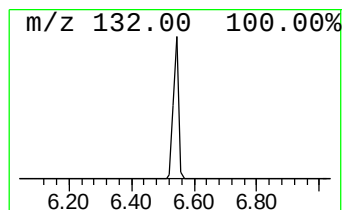
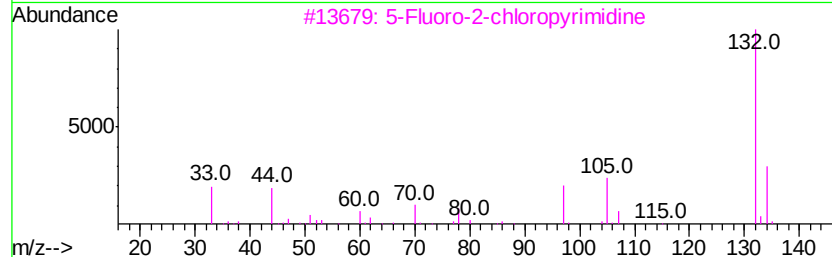
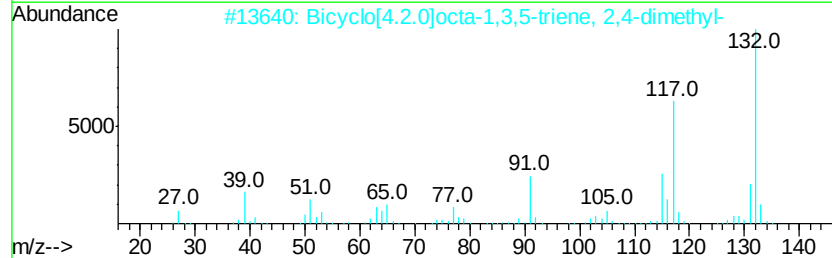
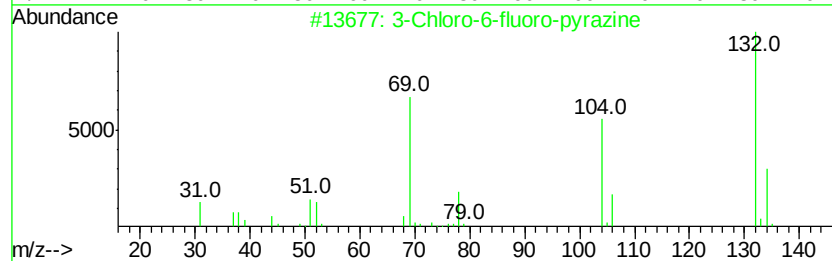
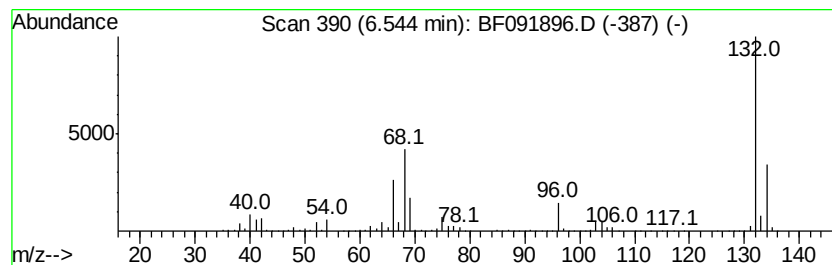
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.54 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	56.39 ng	5576580	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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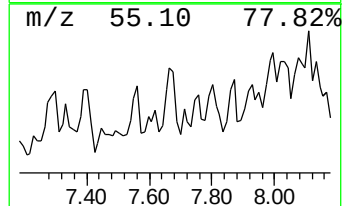
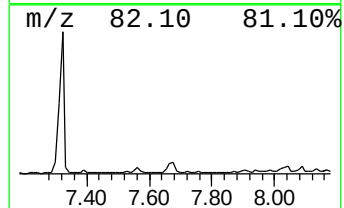
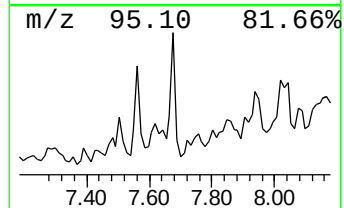
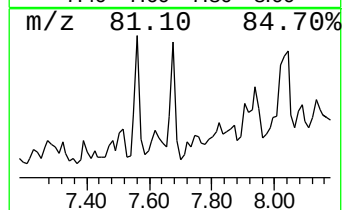
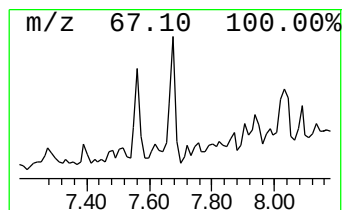
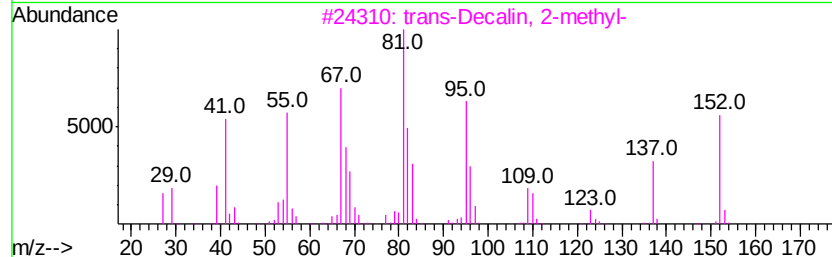
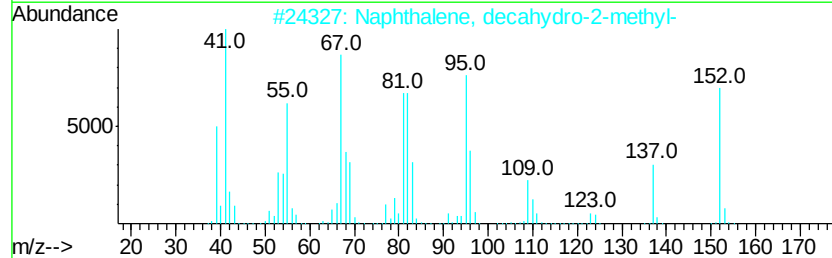
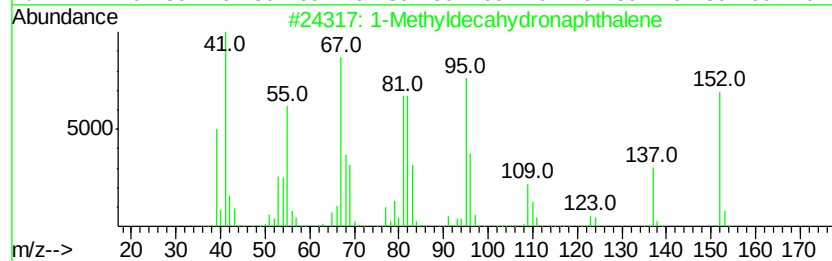
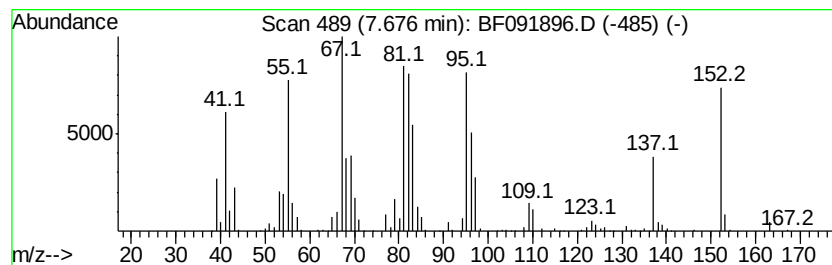
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1-Methyldecahydronaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	14.67 ng	1531640	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	89
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68
4		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	62
5		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58



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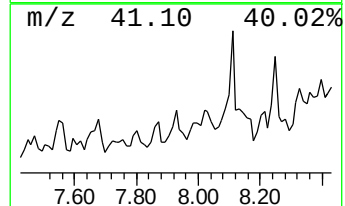
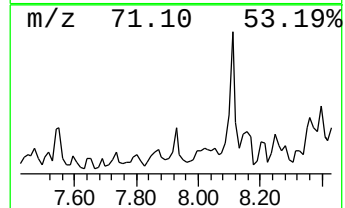
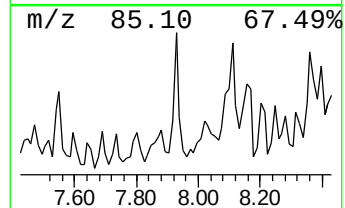
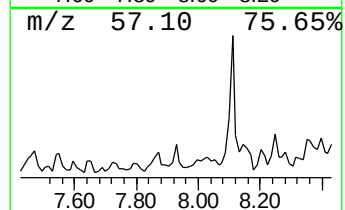
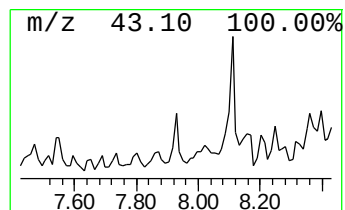
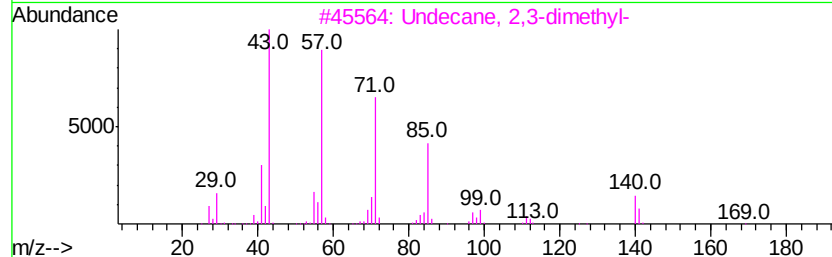
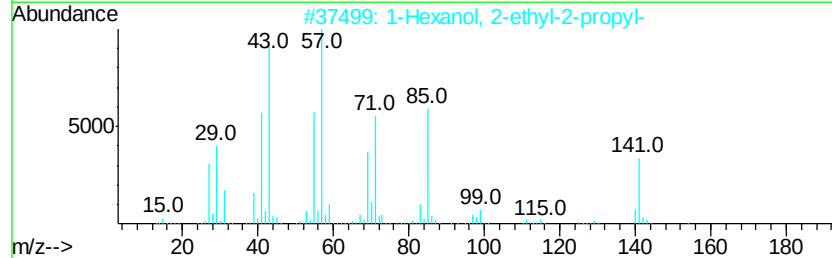
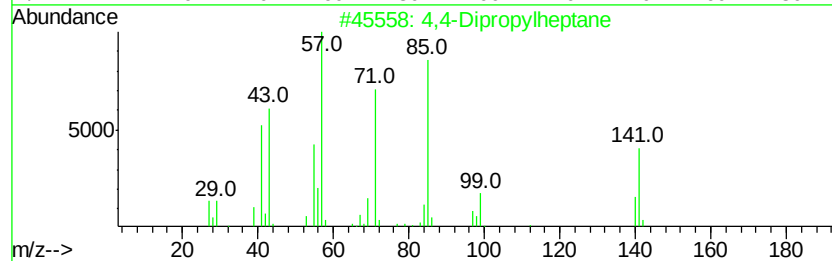
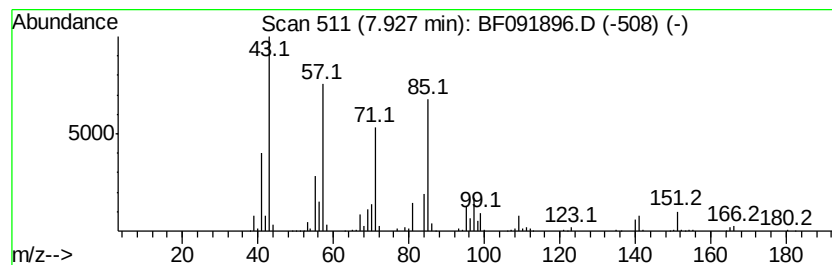
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4,4-Dipropylheptane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	16.07 ng	1678220	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4-Dipropylheptane	184	C13H28	017312-72-0	64
2		1-Hexanol, 2-ethyl-2-propyl-	172	C11H24O	054461-00-6	59
3		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	50
4		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	50
5		Dodecane, 5-methyl-	184	C13H28	017453-93-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091896.D
Acq On : 22 Dec 2016 19:54
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

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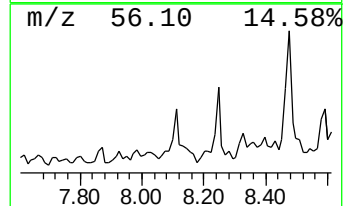
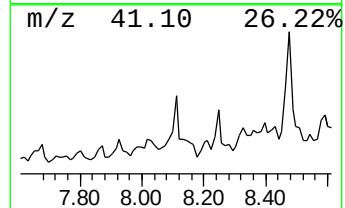
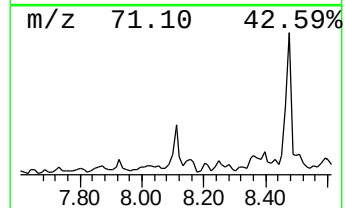
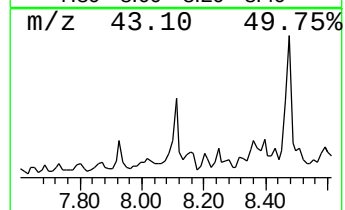
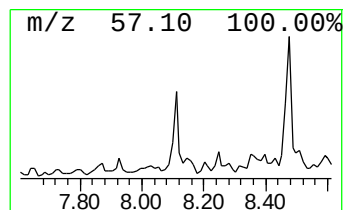
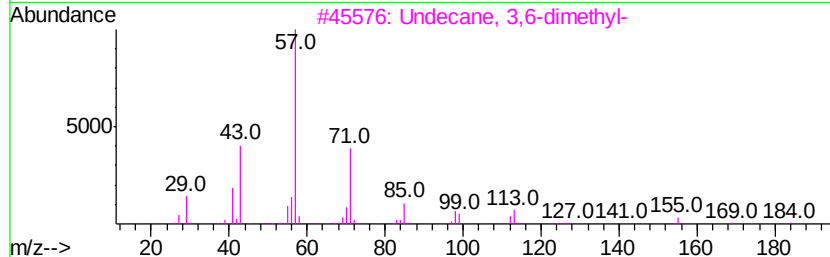
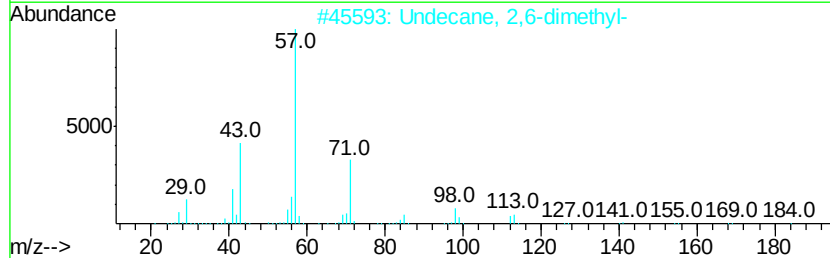
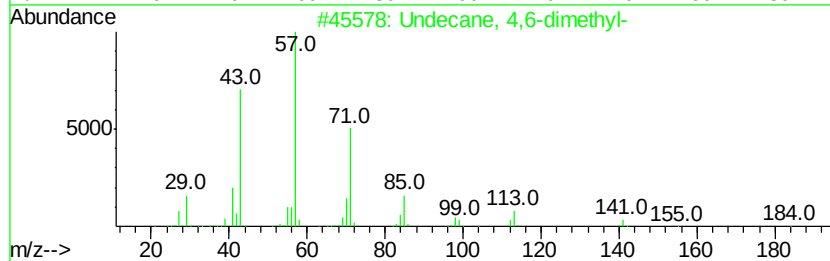
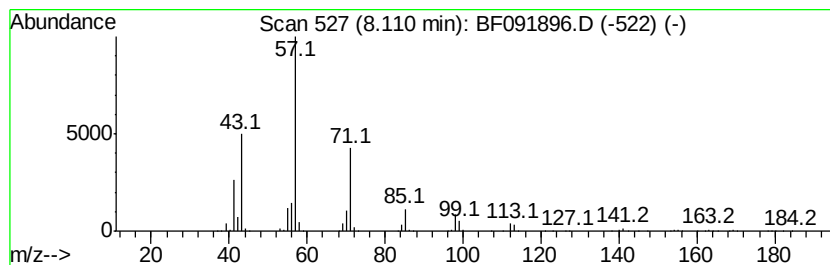
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Undecane, 4,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	24.51 ng	2559340	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	87
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	87
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	86
4		Hexadecane	226	C16H34	000544-76-3	72
5		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091896.D
Acq On : 22 Dec 2016 19:54
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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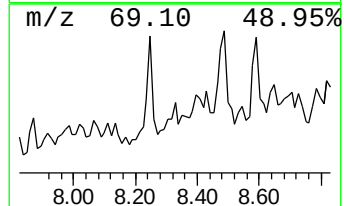
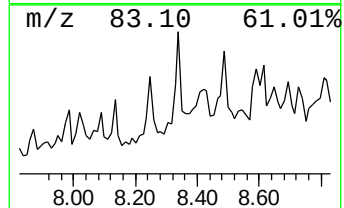
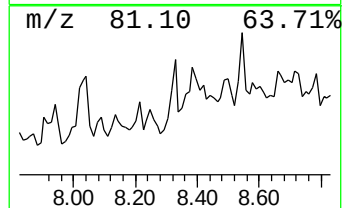
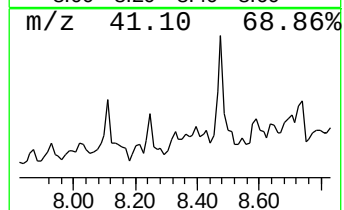
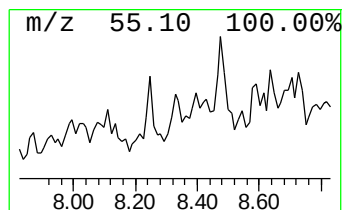
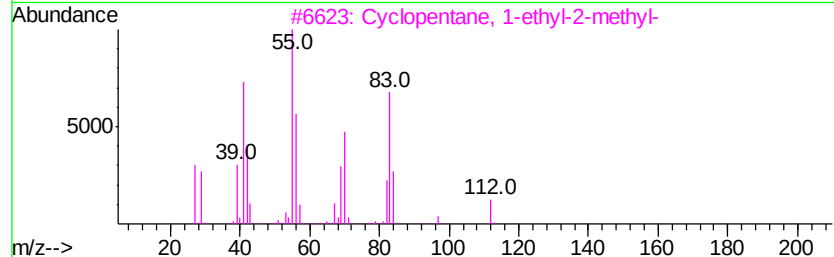
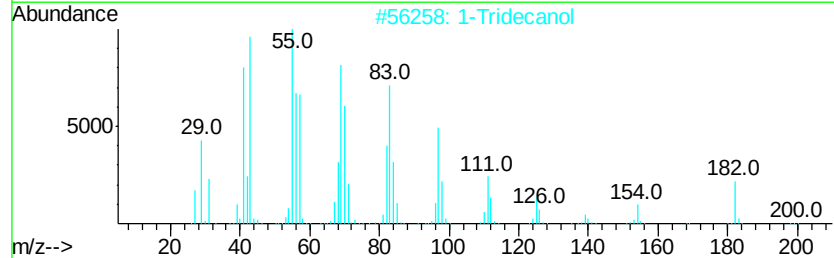
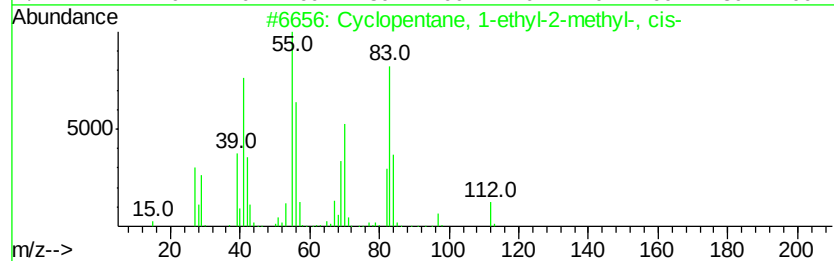
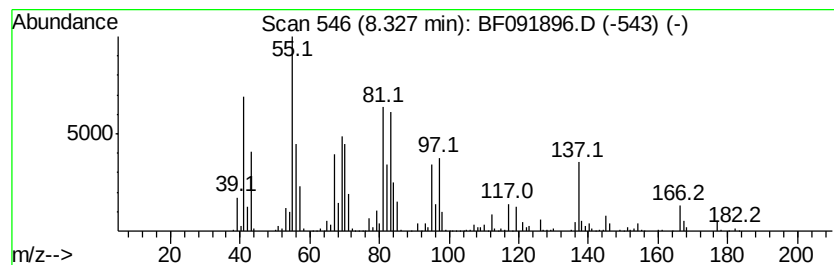
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclopentane, 1-ethyl-2-met... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	17.54 ng	1831120	Naphthalene-d8	8.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	55
2			1-Tridecanol	200	C13H28O	000112-70-9	47
3			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	46
4			Heptafluorobutanoic acid, nonyl ...	340	C13H19F7O2	1000282-96-7	46
5			Cyclododecane	168	C12H24	000294-62-2	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091896.D
Acq On : 22 Dec 2016 19:54
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

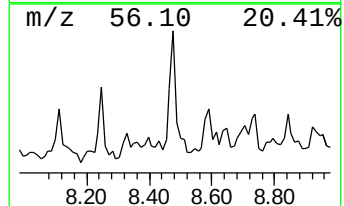
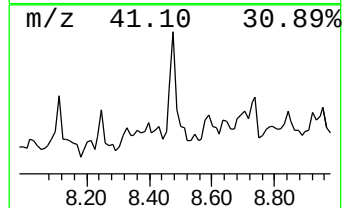
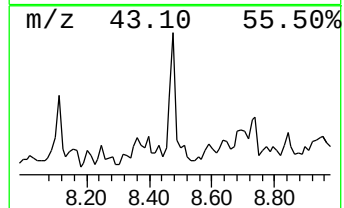
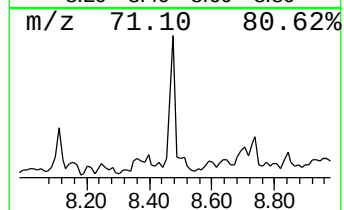
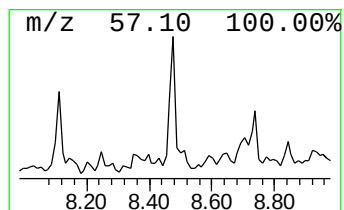
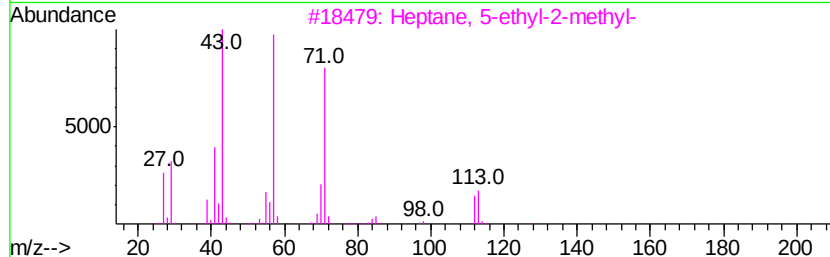
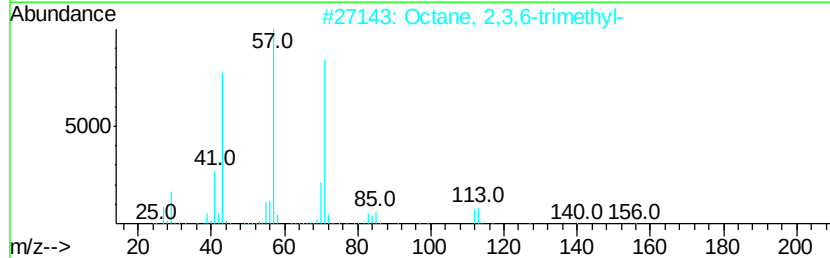
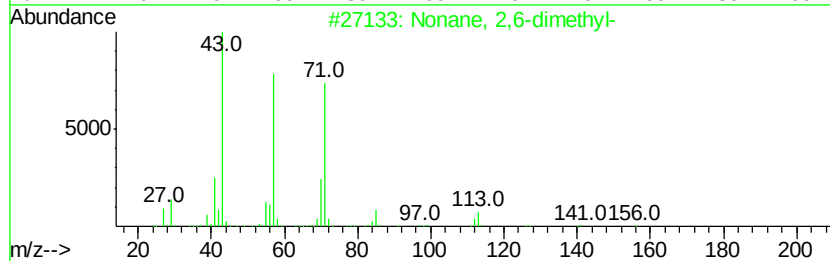
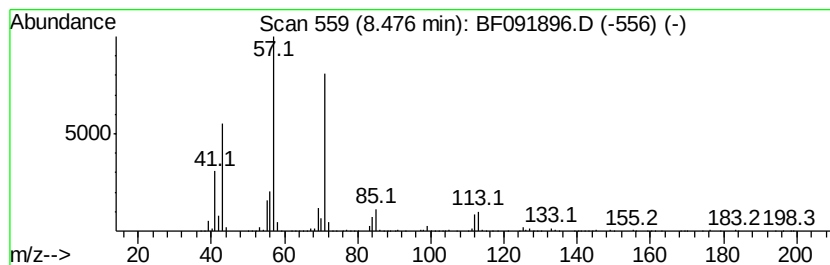
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	62.71 ng	6548440	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
2		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
3		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	72
4		Octane, 2-bromo-	192	C8H17Br	000557-35-7	64
5		Tridecane, 5-propyl-	226	C16H34	055045-11-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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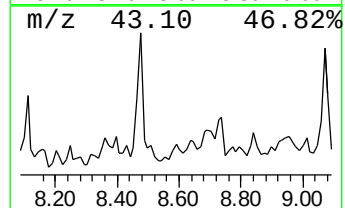
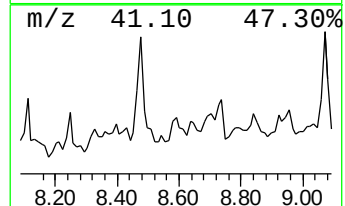
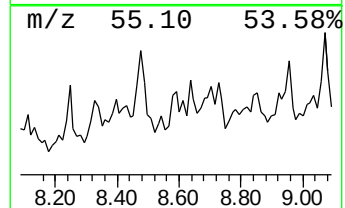
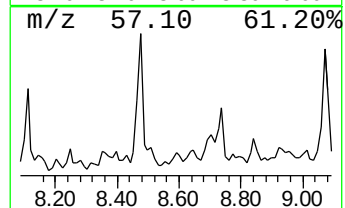
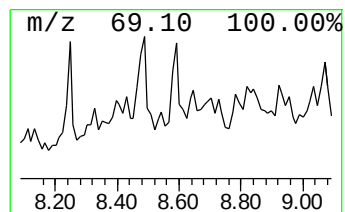
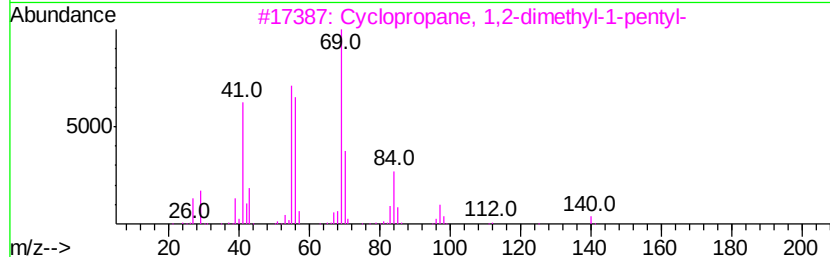
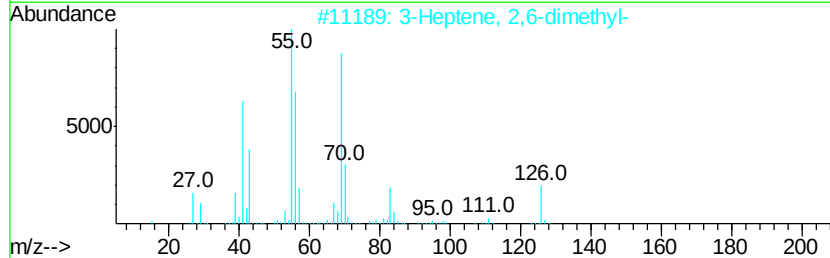
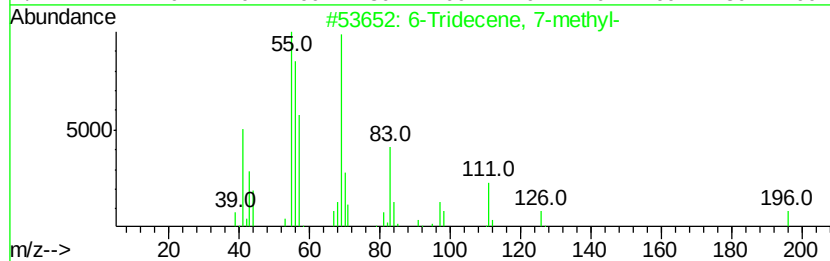
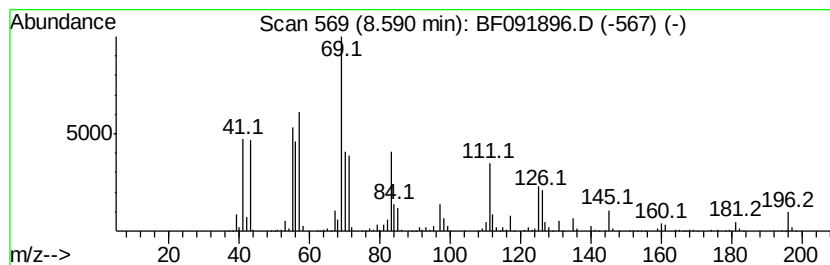
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 6-Tridecene, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	21.59 ng	2253950	Napthalene-d8	8.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	6-Tridecene, 7-methyl-	196 C14H28	024949-42-6	64
2	3-Heptene, 2,6-dimethyl-	126 C9H18	002738-18-3	52
3	Cyclopropane, 1,2-dimethyl-1-pen...	140 C10H20	062238-04-4	50
4	1-Hexene, 3,3-dimethyl-	112 C8H16	003404-77-1	41
5	Cyclopropane, 1,1-dimethyl-2-nonyl-	196 C14H28	041977-38-2	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091896.D
Acq On : 22 Dec 2016 19:54
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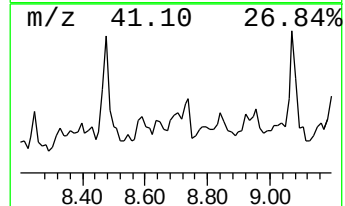
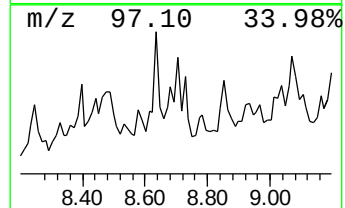
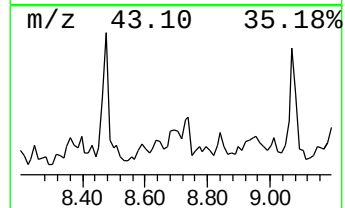
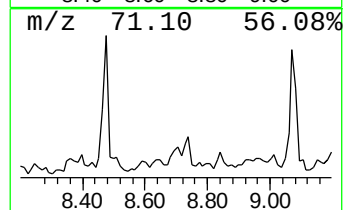
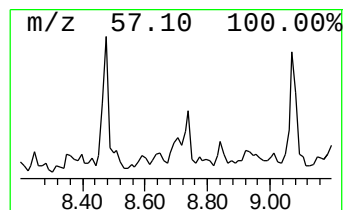
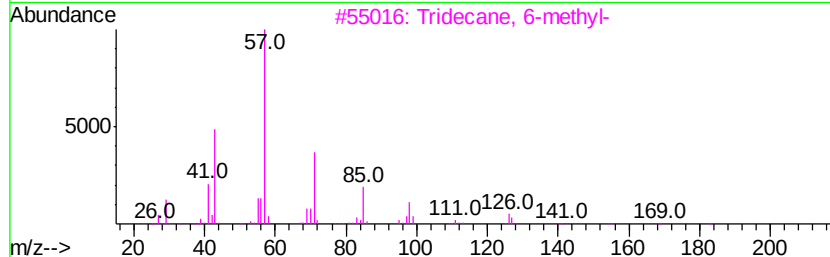
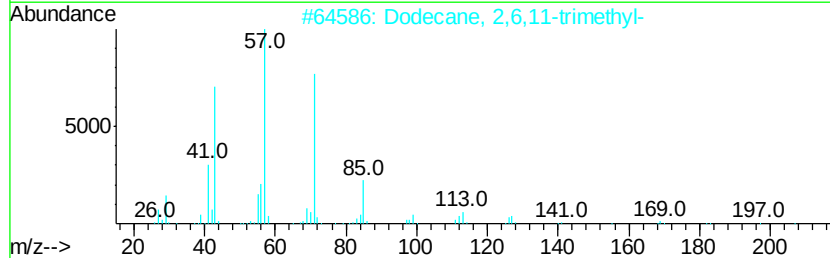
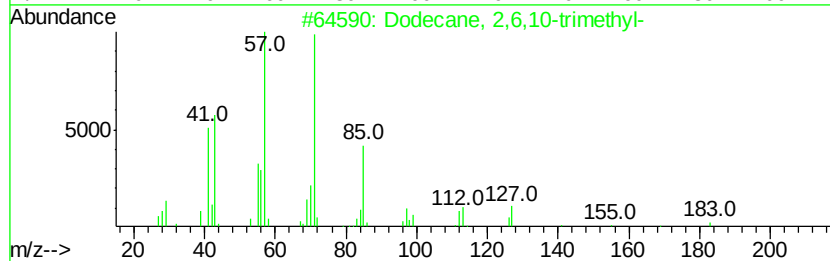
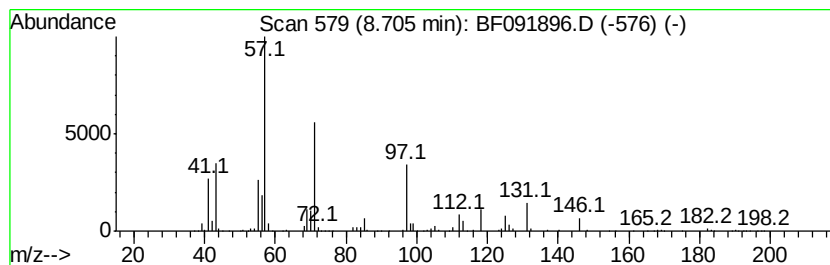
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.70 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	22.87 ng	2388390	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38
3		Tridecane, 6-methyl-	198	C14H30	013287-21-3	38
4		1-Iodoundecane	282	C11H23I	004282-44-4	38
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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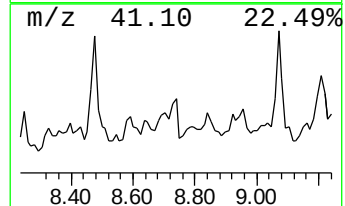
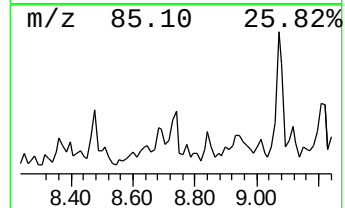
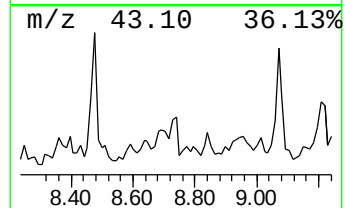
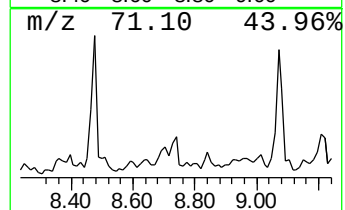
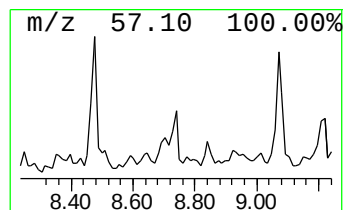
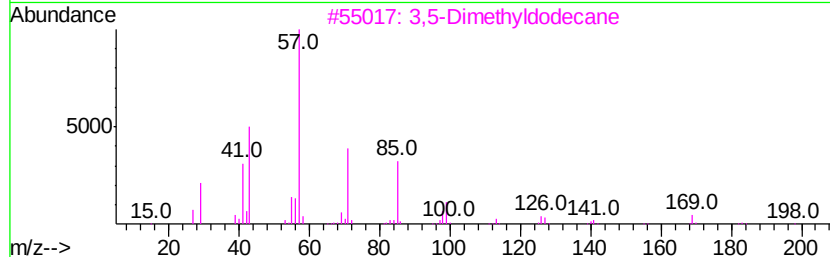
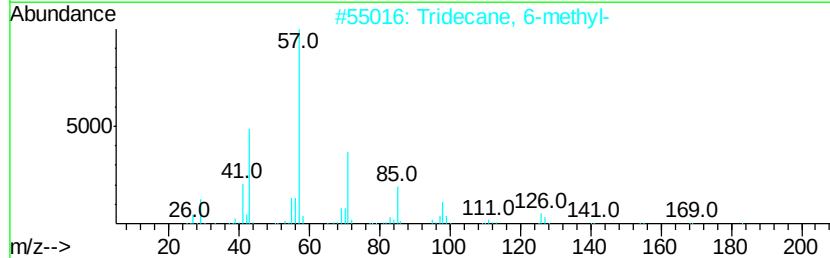
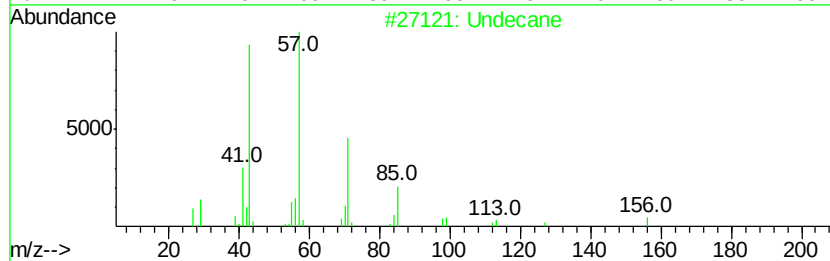
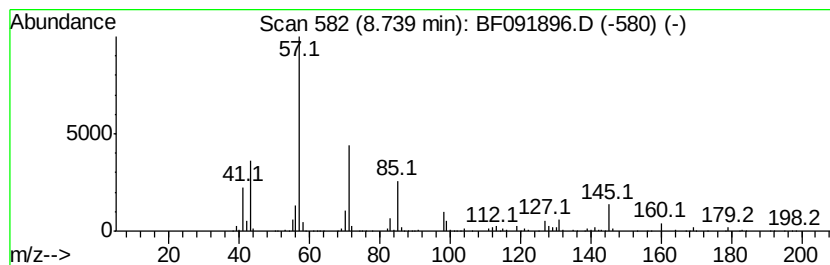
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Undecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	21.90 ng	2286760	Napthalene-d8	8.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	76
2	Tridecane, 6-methyl-	198 C14H30	013287-21-3	64
3	3,5-Dimethyldodecane	198 C14H30	107770-99-0	62
4	Undecane, 2,6-dimethyl-	184 C13H28	017301-23-4	62
5	Decane, 2,6,8-trimethyl-	184 C13H28	062108-26-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
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ALS Vial : 8 Sample Multiplier: 1

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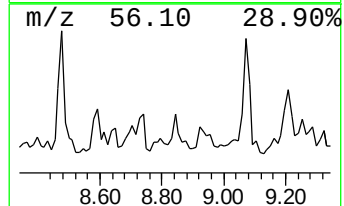
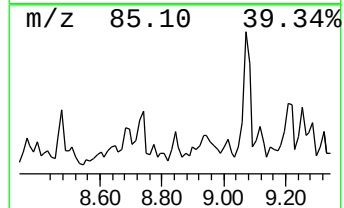
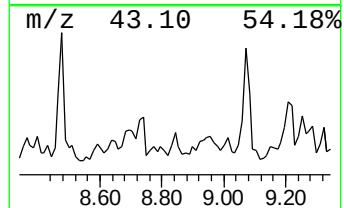
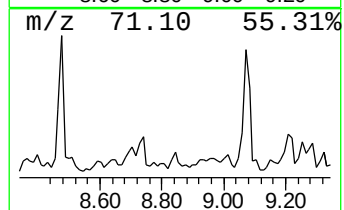
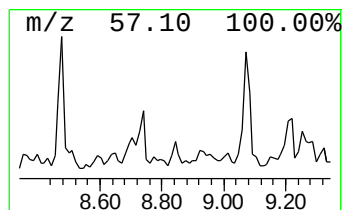
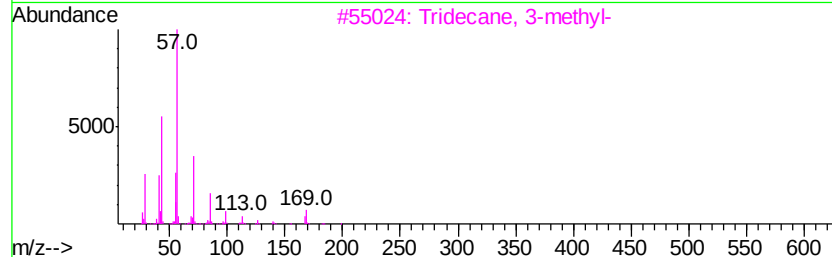
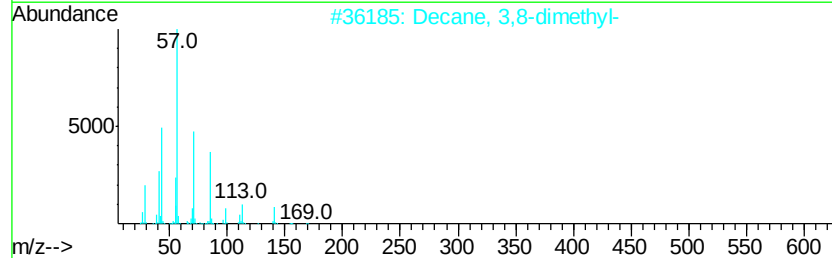
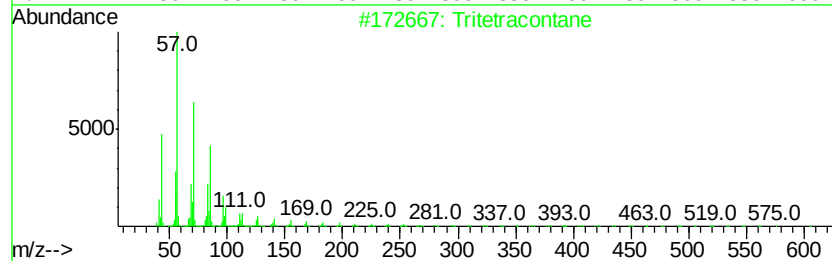
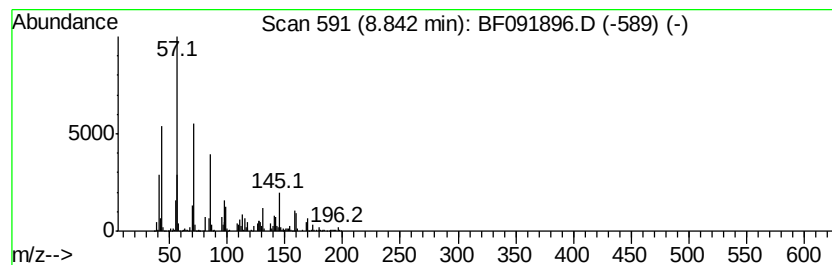
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tritetracontane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	18.84 ng	1967150	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tritetracontane	605	C43H88	007098-21-7	58
2		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	58
4		3,5-Dimethyldodecane	198	C14H30	107770-99-0	58
5		Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091896.D
Acq On : 22 Dec 2016 19:54
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

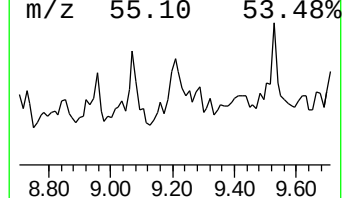
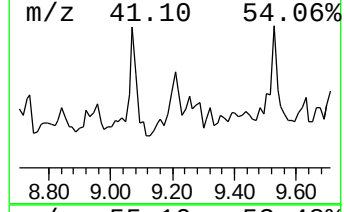
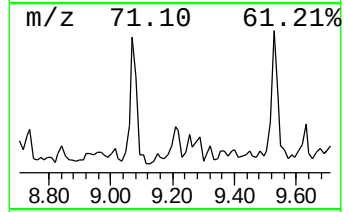
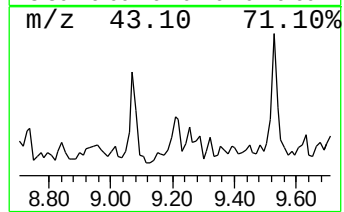
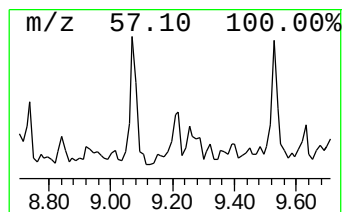
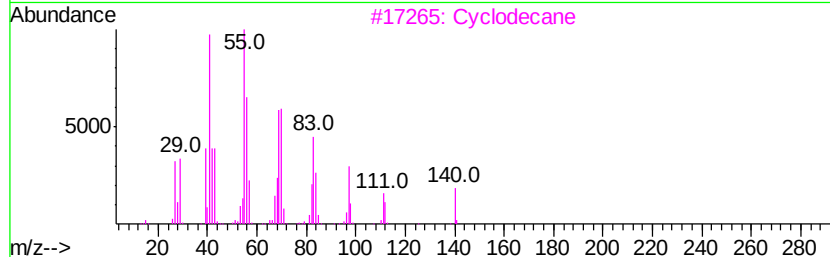
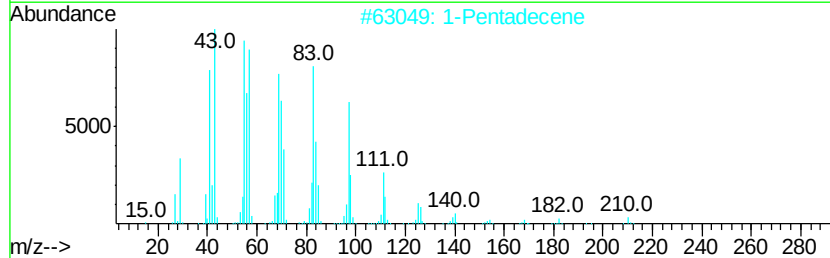
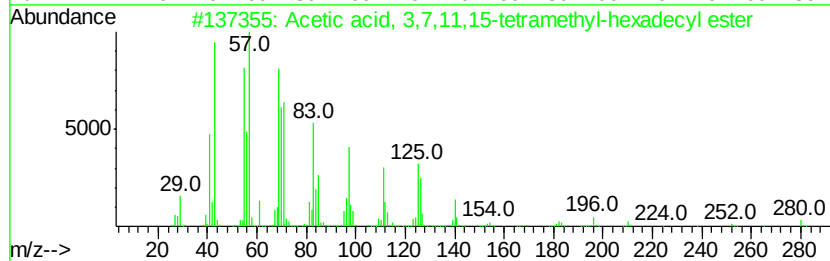
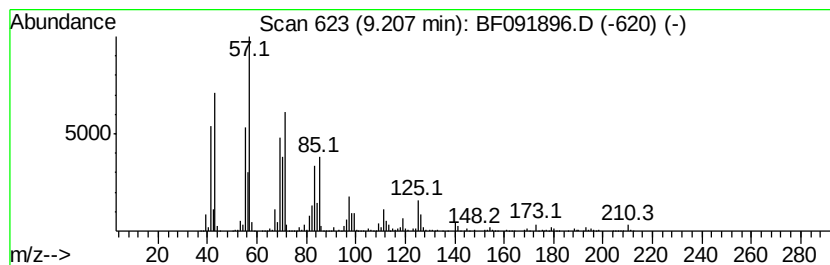
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Acetic acid, 3,7,11,15-tetr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.21	32.48 ng	4860730	Acenaphthene-d10	9.79	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3,7,11,15-tetrameth...	340	C22H44O2	1000193-63-0	68
2	1-Pentadecene	210	C15H30	013360-61-7	55
3	Cyclodecane	140	C10H20	000293-96-9	55
4	3-Tetradecene, (E)-	196	C14H28	041446-68-8	55
5	1-Tridecene	182	C13H26	002437-56-1	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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Sample : H6068-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

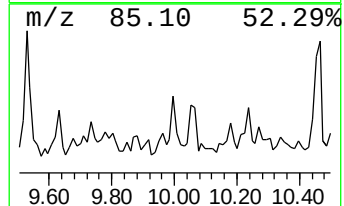
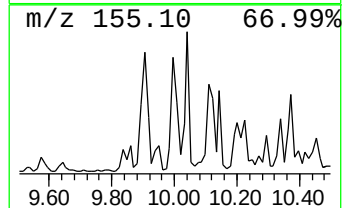
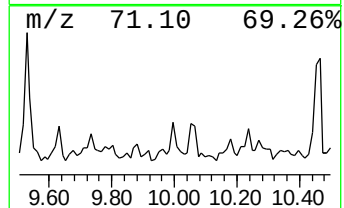
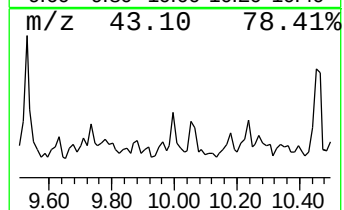
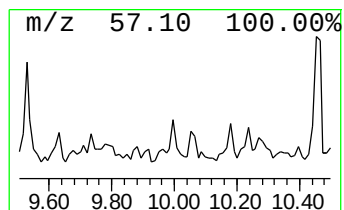
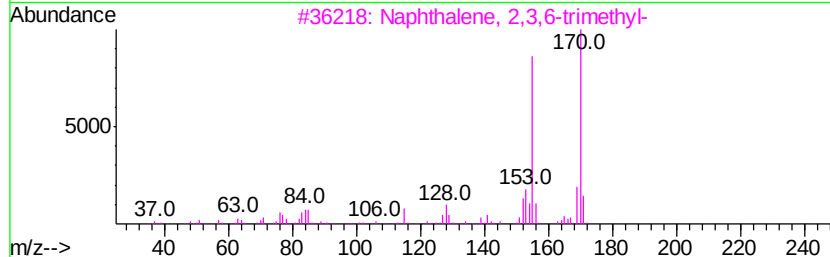
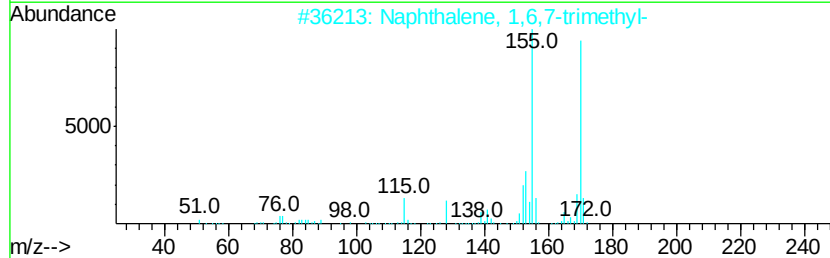
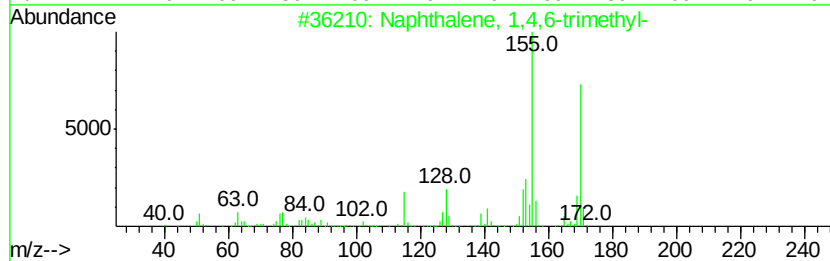
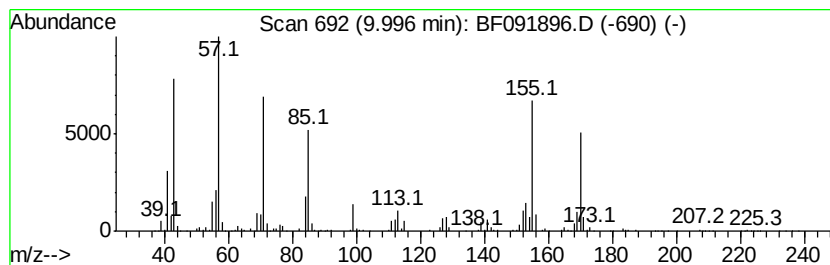
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	22.23 ng	3327430	Acenaphthene-d10	9.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	50
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
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Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

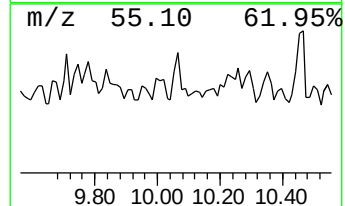
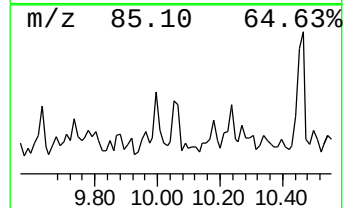
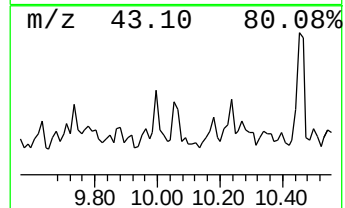
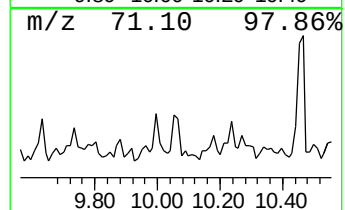
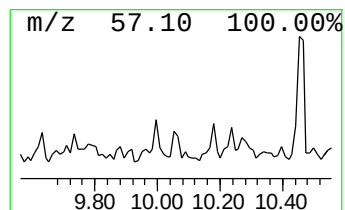
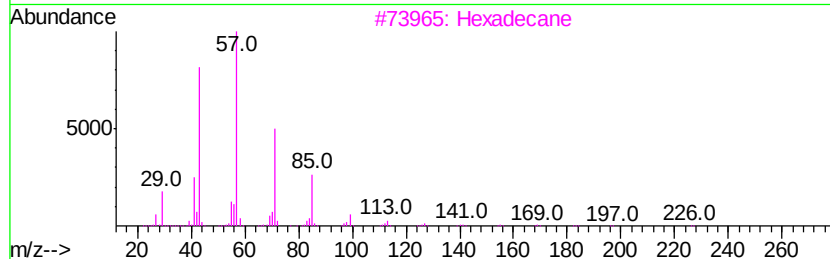
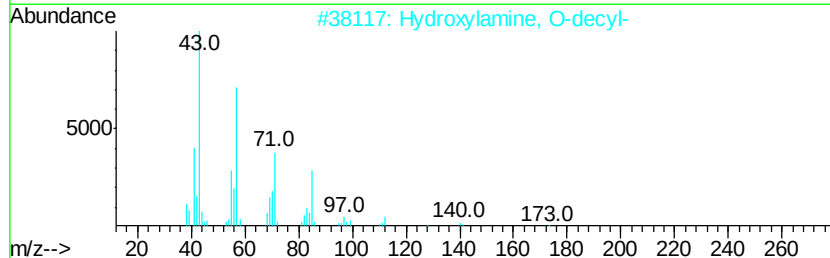
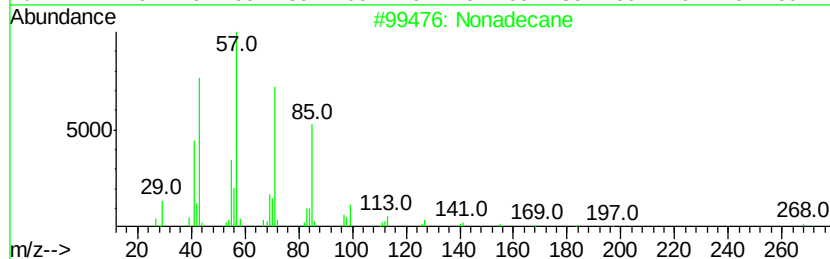
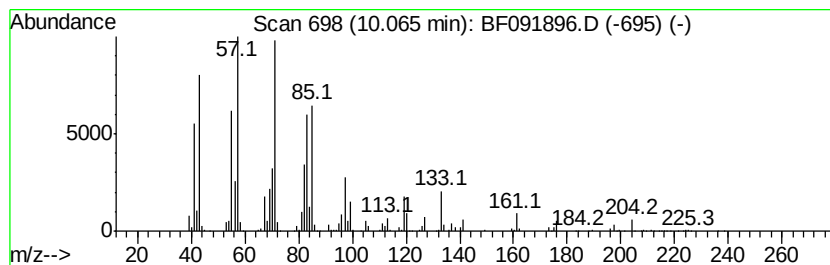
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown10.06 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.06	22.34 ng	3344250	Acenaphthene-d10	9.79	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	49
2	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	49
3	Hexadecane	226	C16H34	000544-76-3	43
4	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	43
5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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Operator : UM/SJ
Sample : H6068-05
Misc :
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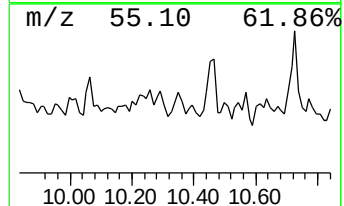
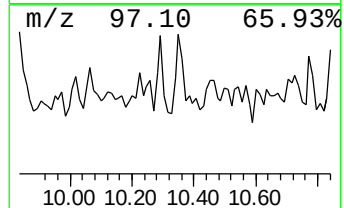
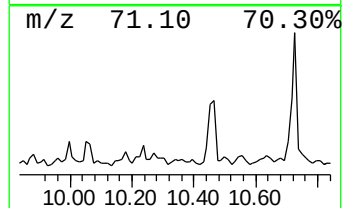
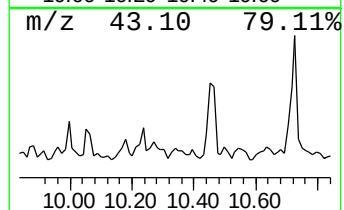
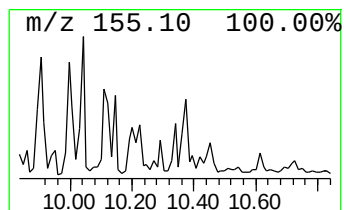
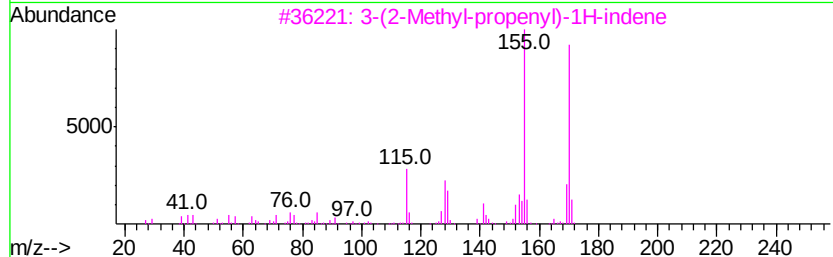
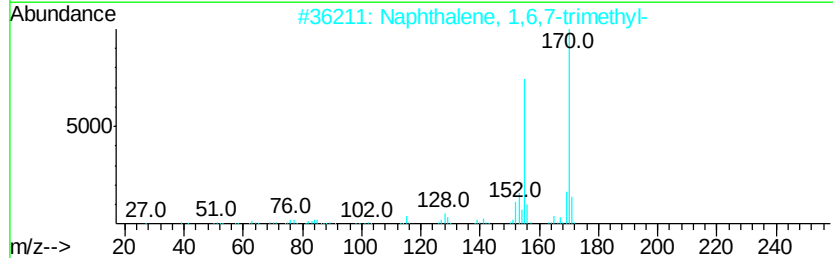
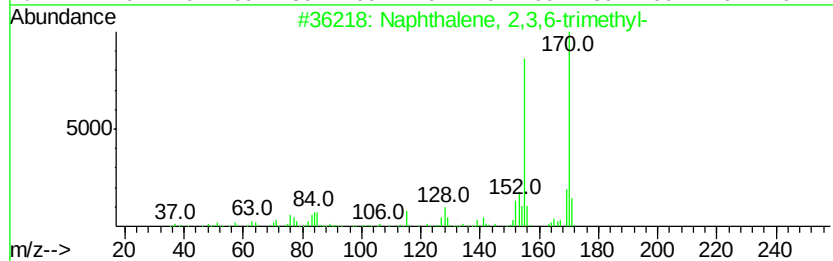
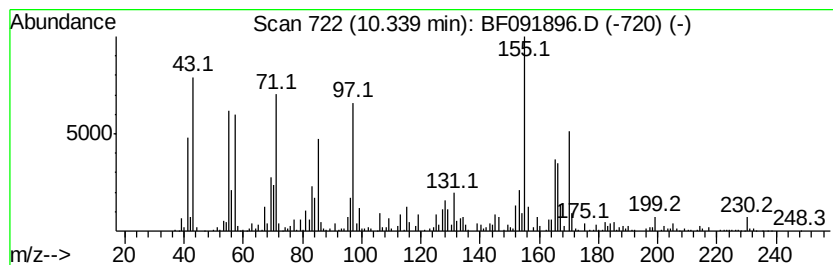
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown10.34 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	14.39 ng	2154370	Acenaphthene-d10	9.79
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 46
2		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 46
3		3-(2-Methyl-propenyl)-1H-indene	170 C13H14	1000187-78-5 42
4		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 41
5		2-Naphthyl methyl ketone	170 C12H10O	000093-08-3 38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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Sample : H6068-05
Misc :
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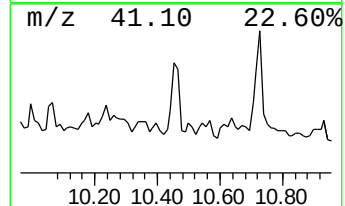
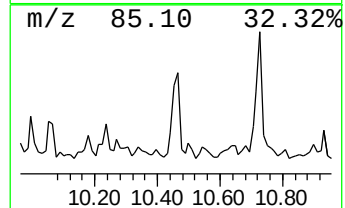
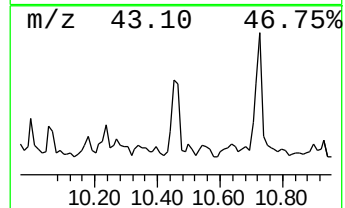
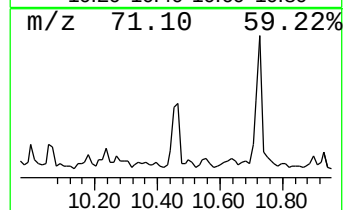
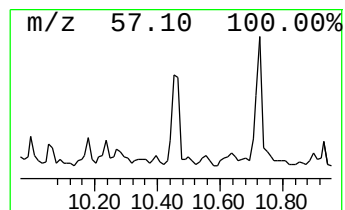
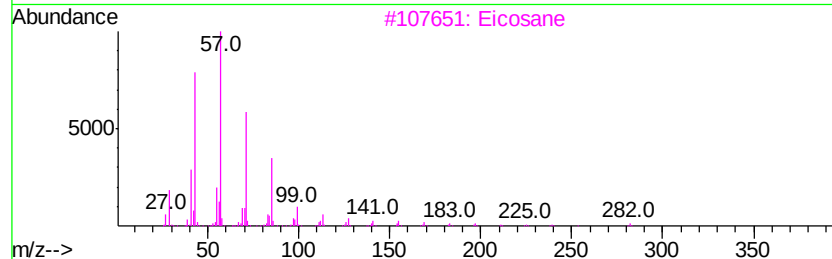
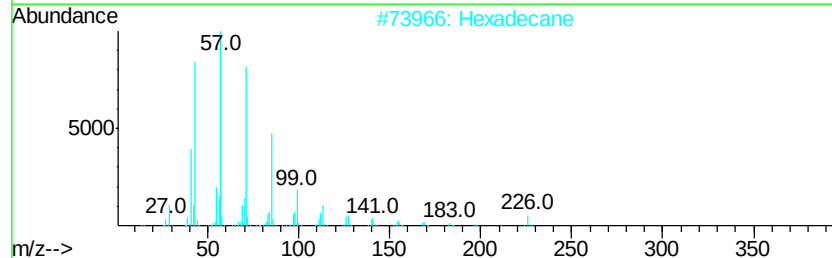
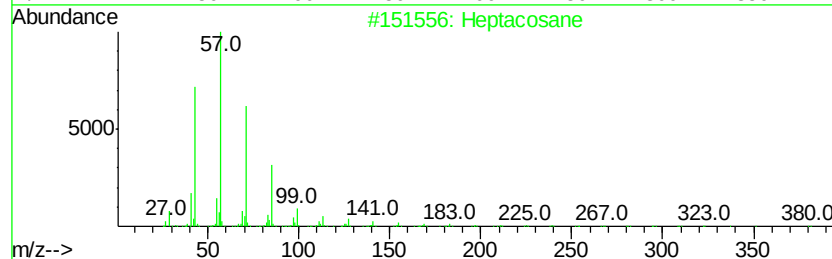
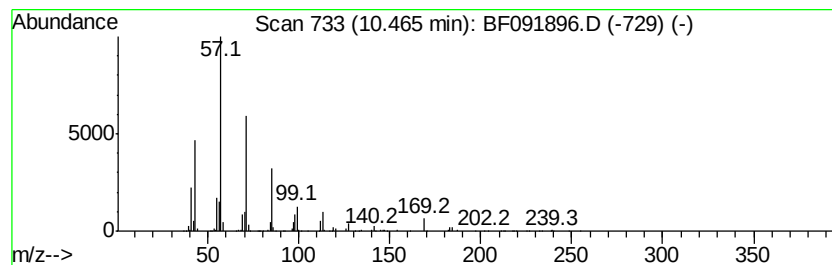
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.46	48.74 ng	7295180	Acenaphthene-d10	9.79	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Hexadecane	226	C16H34	000544-76-3	83
3	Eicosane	282	C20H42	000112-95-8	80
4	Heptadecane	240	C17H36	000629-78-7	80
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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ALS Vial : 8 Sample Multiplier: 1

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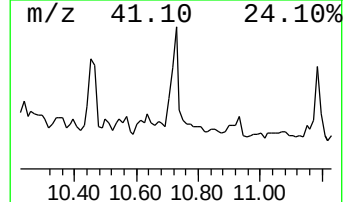
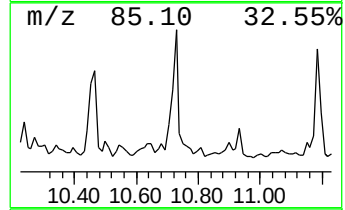
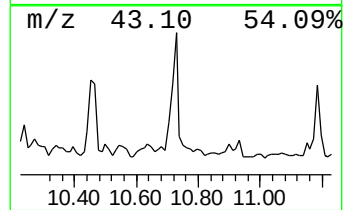
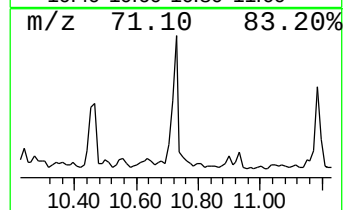
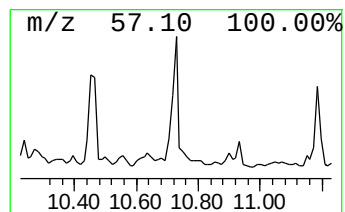
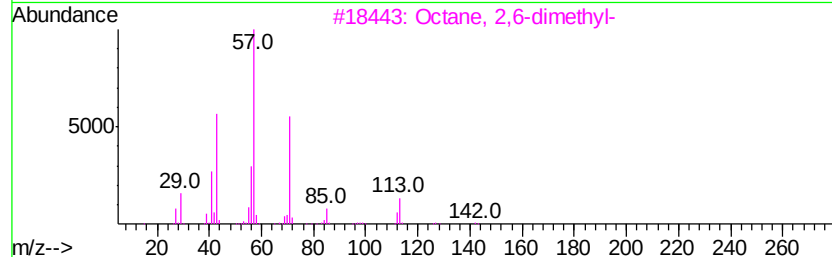
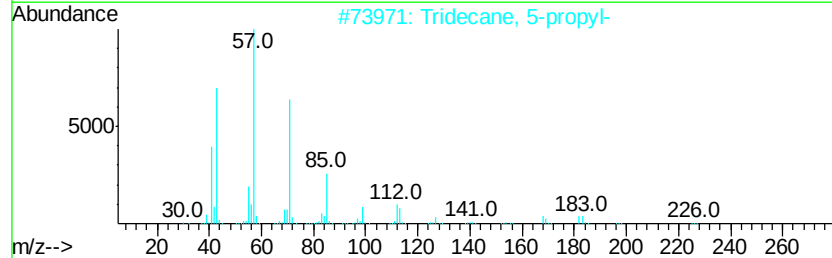
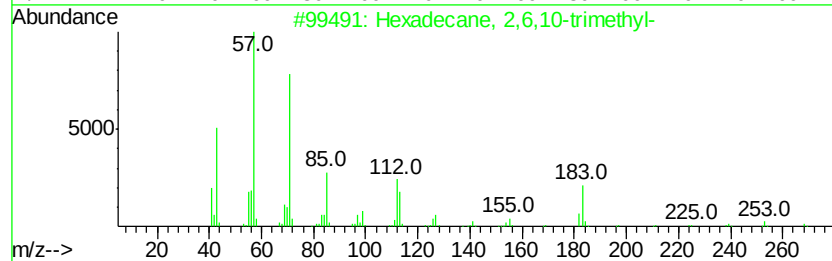
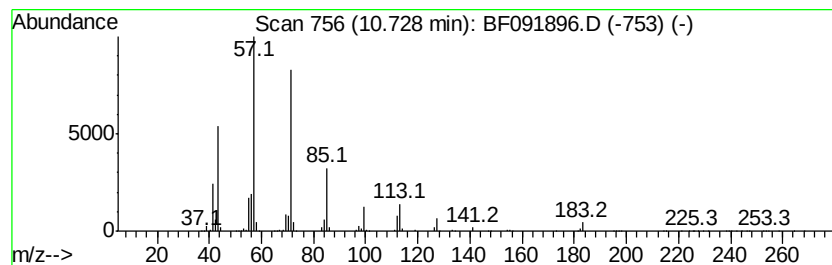
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Hexadecane, 2,6,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	110.45 ng	8853570	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	91
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5		Octane, 2-methyl-	128	C9H20	003221-61-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091896.D
Acq On : 22 Dec 2016 19:54
Operator : UM/SJ
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

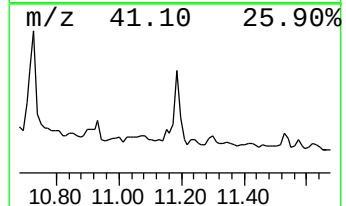
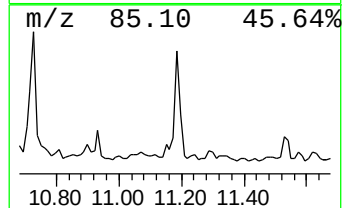
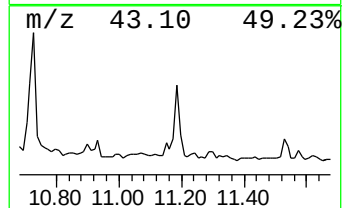
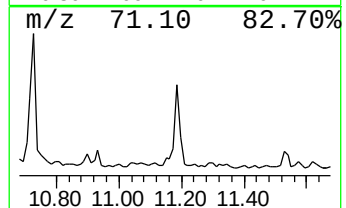
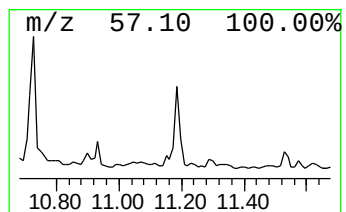
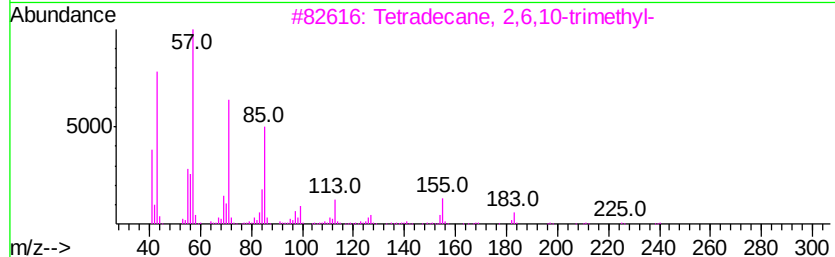
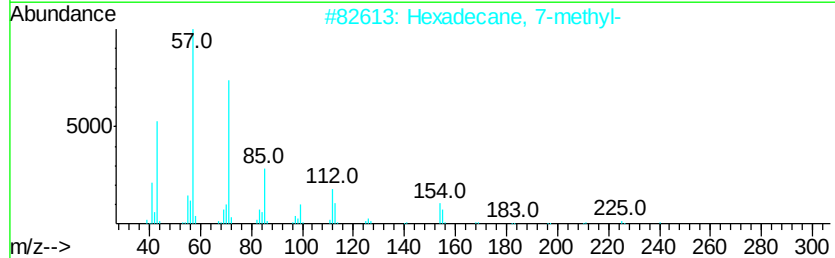
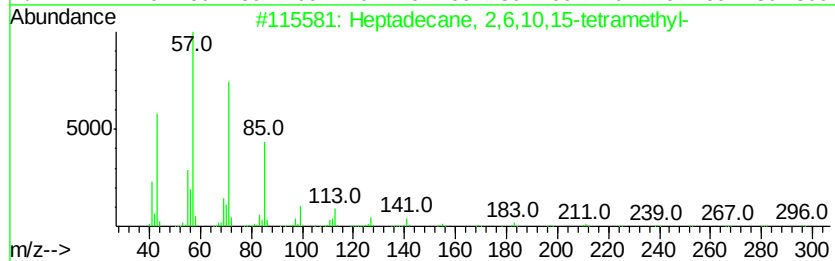
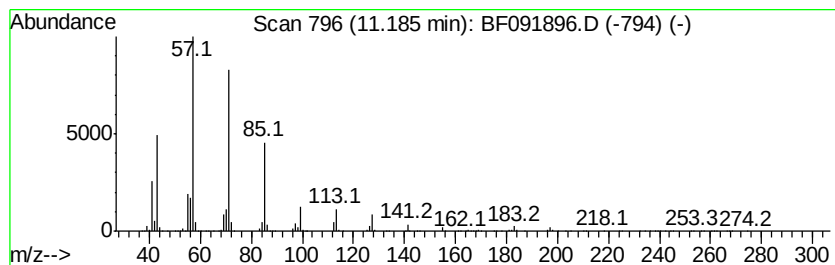
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
11.18	69.23 ng	5549080	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	86
3		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	86
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091896.D
Acq On : 22 Dec 2016 19:54
Operator : UM/SJ
Sample : H6068-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

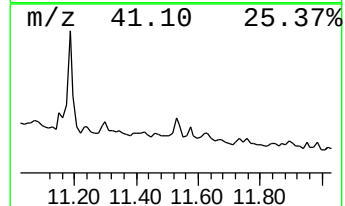
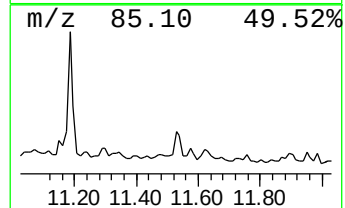
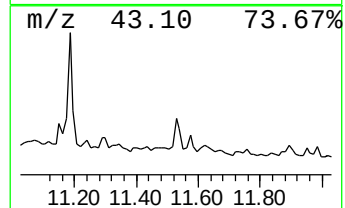
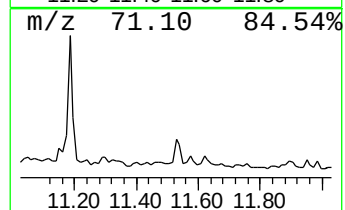
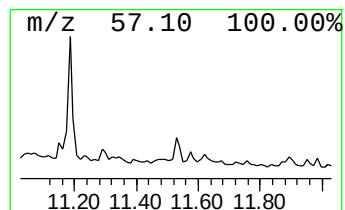
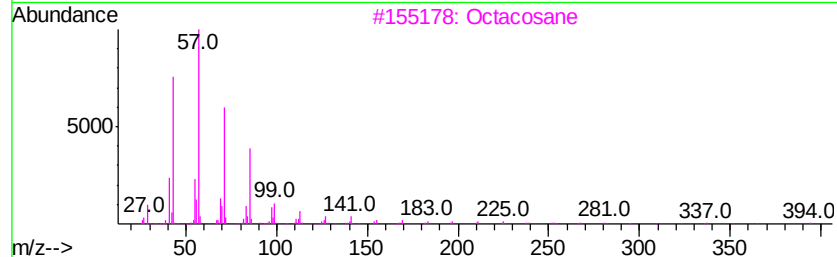
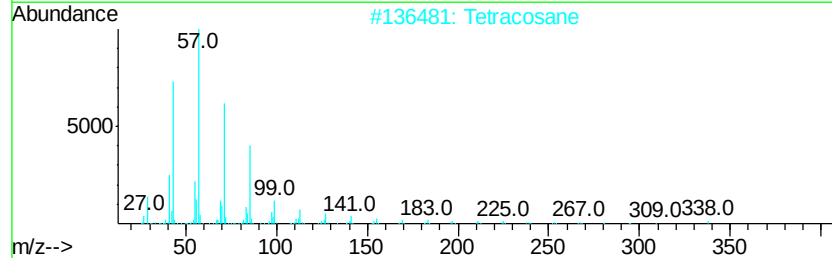
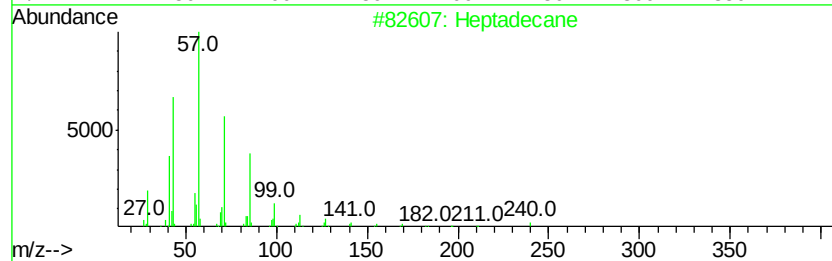
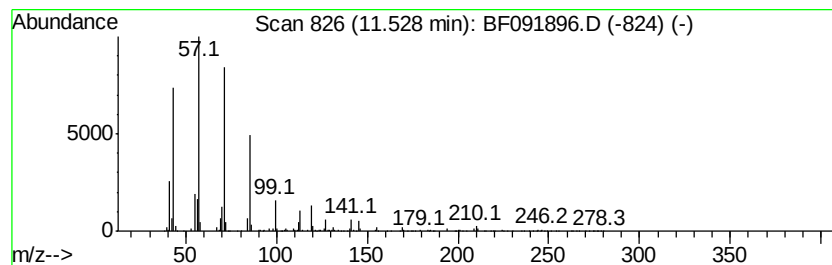
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	16.36 ng	1311440	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	86
2		Tetracosane	338	C24H50	000646-31-1	86
3		Octacosane	394	C28H58	000630-02-4	86
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5		Tetratetracontane	619	C44H90	007098-22-8	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091896.D
 Acq On : 22 Dec 2016 19:54
 Operator : UM/SJ
 Sample : H6068-05
 Misc :
 ALS Vial : 8 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...	4.93	22.5	ng	2228970	1	6.75	1977950	20.0
unknown6.54	6.54	56.4	ng	5576580	1	6.75	1977950	20.0
1-Methyldecahydro...	7.68	14.7	ng	1531640	2	8.04	2088330	20.0
4,4-Dipropylheptane	7.93	16.1	ng	1678220	2	8.04	2088330	20.0
Undecane, 4,6-dim...	8.11	24.5	ng	2559340	2	8.04	2088330	20.0
Cyclopentane, 1-e...	8.33	17.5	ng	1831120	2	8.04	2088330	20.0
Nonane, 2,6-dimet...	8.48	62.7	ng	6548440	2	8.04	2088330	20.0
6-Tridecene, 7-me...	8.59	21.6	ng	2253950	2	8.04	2088330	20.0
unknown8.70	8.70	22.9	ng	2388390	2	8.04	2088330	20.0
Undecane	8.74	21.9	ng	2286760	2	8.04	2088330	20.0
Tritetracontane	8.84	18.8	ng	1967150	2	8.04	2088330	20.0
Acetic acid, 3,7,...	9.21	32.5	ng	4860730	3	9.79	2993450	20.0
Naphthalene, 1,4,...	10.00	22.2	ng	3327430	3	9.79	2993450	20.0
unknown10.06	10.06	22.3	ng	3344250	3	9.79	2993450	20.0
unknown10.34	10.34	14.4	ng	2154370	3	9.79	2993450	20.0
Heptacosane	10.46	48.7	ng	7295180	3	9.79	2993450	20.0
Hexadecane, 2,6,1...	10.73	110.5	ng	8853570	4	11.28	1603120	20.0
Heptadecane, 2,6,...	11.18	69.2	ng	5549080	4	11.28	1603120	20.0
Heptadecane	11.53	16.4	ng	1311440	4	11.28	1603120	20.0