

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093355.D
 Acq On : 3 Mar 2017 11:33
 Operator : SJ/MA
 Sample : I2057-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20B-23

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.293	190	193	197	rBV2	38137	61422	1.50%	0.065%
2	4.407	199	203	206	rBV2	31163	55007	1.34%	0.058%
3	4.841	239	241	244	rVB2	37415	72729	1.77%	0.077%
4	4.910	244	247	248	rBV	93335	123174	3.00%	0.130%
5	4.944	248	250	256	rVV	944604	1616612	39.43%	1.704%
6	5.036	256	258	264	rVB3	45534	129524	3.16%	0.137%
7	5.127	264	266	268	rBV	73059	110800	2.70%	0.117%
8	5.287	275	280	281	rBV3	31676	65960	1.61%	0.070%
9	5.390	286	289	291	rBV	2317113	3505035	85.50%	3.694%
10	5.516	298	300	302	rBV	107578	150026	3.66%	0.158%
11	5.607	305	308	311	rVB2	65955	141375	3.45%	0.149%
12	5.676	311	314	316	rVB	70906	72676	1.77%	0.077%
13	5.767	320	322	325	rVB3	148648	274181	6.69%	0.289%
14	5.824	325	327	329	rBV2	66438	117086	2.86%	0.123%
15	5.916	332	335	337	rVB	246576	264272	6.45%	0.279%
16	5.973	337	340	342	rBV2	92177	206700	5.04%	0.218%
17	6.019	342	344	347	rVB2	280824	432538	10.55%	0.456%
18	6.076	347	349	350	rBV	250904	242103	5.91%	0.255%
19	6.110	350	352	353	rVV	45927	52773	1.29%	0.056%
20	6.201	358	360	362	rBV	123024	201344	4.91%	0.212%
21	6.247	362	364	367	rBV4	79467	141928	3.46%	0.150%
22	6.304	367	369	374	rVB	558706	673620	16.43%	0.710%
23	6.396	374	377	379	rBV3	93831	256606	6.26%	0.270%
24	6.453	379	382	387	rVB	2813661	4099647	100.00%	4.321%
25	6.533	387	389	390	rBV	202981	249288	6.08%	0.263%
26	6.567	390	392	395	rVB	3561956	3627038	88.47%	3.823%
27	6.636	395	398	400	rVB3	164796	194907	4.75%	0.205%
28	6.693	400	403	404	rBV2	76976	140039	3.42%	0.148%
29	6.750	404	408	409	rBV4	235770	408564	9.97%	0.431%
30	6.796	409	412	415	rVB2	1132079	1994992	48.66%	2.103%
31	6.853	415	417	418	rBV	237602	347169	8.47%	0.366%
32	6.876	418	419	421	rBV2	152980	237427	5.79%	0.250%
33	6.910	421	422	423	rBV	196741	141415	3.45%	0.149%
34	6.944	423	425	429	rVB	2026914	3157635	77.02%	3.328%

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35	7.024	429	432	433	rBV2	185771	295211	7.20%	0.311%
36	7.059	433	435	438	rVB2	656294	889380	21.69%	0.937%
37	7.104	438	439	441	rBV2	182888	175123	4.27%	0.185%
38	7.139	441	442	443	rBV	168111	176533	4.31%	0.186%
39	7.184	444	446	447	rBV2	448900	358084	8.73%	0.377%
40	7.219	447	449	452	rVB2	344754	489043	11.93%	0.515%
41	7.276	452	454	455	rBV	114350	165989	4.05%	0.175%
42	7.322	455	458	460	rBV3	441998	880315	21.47%	0.928%
43	7.367	460	462	466	rVB	2323254	2688835	65.59%	2.834%
44	7.436	466	468	470	rBV2	655903	942864	23.00%	0.994%
45	7.516	470	475	477	rBV3	554381	1235630	30.14%	1.302%
46	7.550	477	478	479	rBV	331058	321248	7.84%	0.339%
47	7.607	479	483	484	rVB3	674553	1256045	30.64%	1.324%
48	7.687	484	490	491	rBV5	246073	823518	20.09%	0.868%
49	7.722	491	493	495	rBV3	871536	961268	23.45%	1.013%
50	7.767	495	497	499	rBV	400555	337865	8.24%	0.356%
51	7.802	499	500	501	rVB	238573	163542	3.99%	0.172%
52	7.847	501	504	507	rBV3	387803	693870	16.93%	0.731%
53	7.904	507	509	512	rBV3	548807	938772	22.90%	0.989%
54	7.973	512	515	518	rBV4	527690	1284821	31.34%	1.354%
55	8.042	518	521	522	rBV3	318507	657444	16.04%	0.693%
56	8.087	522	525	526	rBV	1541184	1809938	44.15%	1.907%
57	8.156	529	531	532	rVB	1744931	1461737	35.66%	1.541%
58	8.179	532	533	535	rBV2	273785	322066	7.86%	0.339%
59	8.259	537	540	541	rBV2	495619	922807	22.51%	0.973%
60	8.293	541	543	544	rVB2	1412957	1242132	30.30%	1.309%
61	8.316	544	545	547	rBV2	145393	199797	4.87%	0.211%
62	8.373	547	550	552	rBV4	715477	1336281	32.60%	1.408%
63	8.442	554	556	557	rBV2	325601	444934	10.85%	0.469%
64	8.476	557	559	560	rVB2	759167	650352	15.86%	0.685%
65	8.522	560	563	568	rBV4	1356633	3216224	78.45%	3.390%
66	8.590	568	569	571	rVB2	465421	440923	10.76%	0.465%
67	8.636	571	573	576	rBV2	992874	2117938	51.66%	2.232%
68	8.693	576	578	579	rBV	432117	664863	16.22%	0.701%
69	8.785	584	586	588	rVB3	1175547	1459774	35.61%	1.538%
70	8.842	588	591	592	rBV3	590969	1004456	24.50%	1.059%
71	8.979	601	603	604	rBV2	364172	301628	7.36%	0.318%

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72	9.047	607	609	611	rBV3	537789	996183	24.30%	1.050%
73	9.082	611	612	614	rBV	620587	473575	11.55%	0.499%
74	9.127	614	616	617	rBV	1259509	1743721	42.53%	1.838%
75	9.173	618	620	624	rVB	2400362	2774273	67.67%	2.924%
76	9.253	624	627	630	rBV4	2013287	3780669	92.22%	3.984%
77	9.447	643	644	645	rBV	659108	636648	15.53%	0.671%
78	9.585	652	656	657	rVB3	1715530	3205600	78.19%	3.378%
79	9.722	665	668	669	rBV2	1432199	2075204	50.62%	2.187%
80	9.768	670	672	673	rVB	1870236	2110133	51.47%	2.224%
81	9.802	673	675	676	rBV2	613697	769452	18.77%	0.811%
82	9.859	676	680	681	rBV4	1174115	2816533	68.70%	2.968%
83	9.893	681	683	684	rBV2	751630	703507	17.16%	0.741%
84	10.122	701	703	706	rVB4	734320	1310580	31.97%	1.381%
85	10.179	706	708	710	rBV2	1037043	1771605	43.21%	1.867%
86	10.225	710	712	714	rBV3	653506	701844	17.12%	0.740%
87	10.259	714	715	716	rBV	1082008	1057757	25.80%	1.115%
88	10.408	725	728	731	rBV5	699352	1569744	38.29%	1.654%
89	10.510	735	737	740	rVB2	1106604	1838243	44.84%	1.937%
90	10.659	748	750	751	rBV	649359	685415	16.72%	0.722%
91	10.785	758	761	764	rVB2	1841534	3014867	73.54%	3.177%
92	11.242	799	801	804	rVB	1423824	1990482	48.55%	2.098%
93	16.465	1256	1258	1266	rVB	948114	1963137	47.89%	2.069%

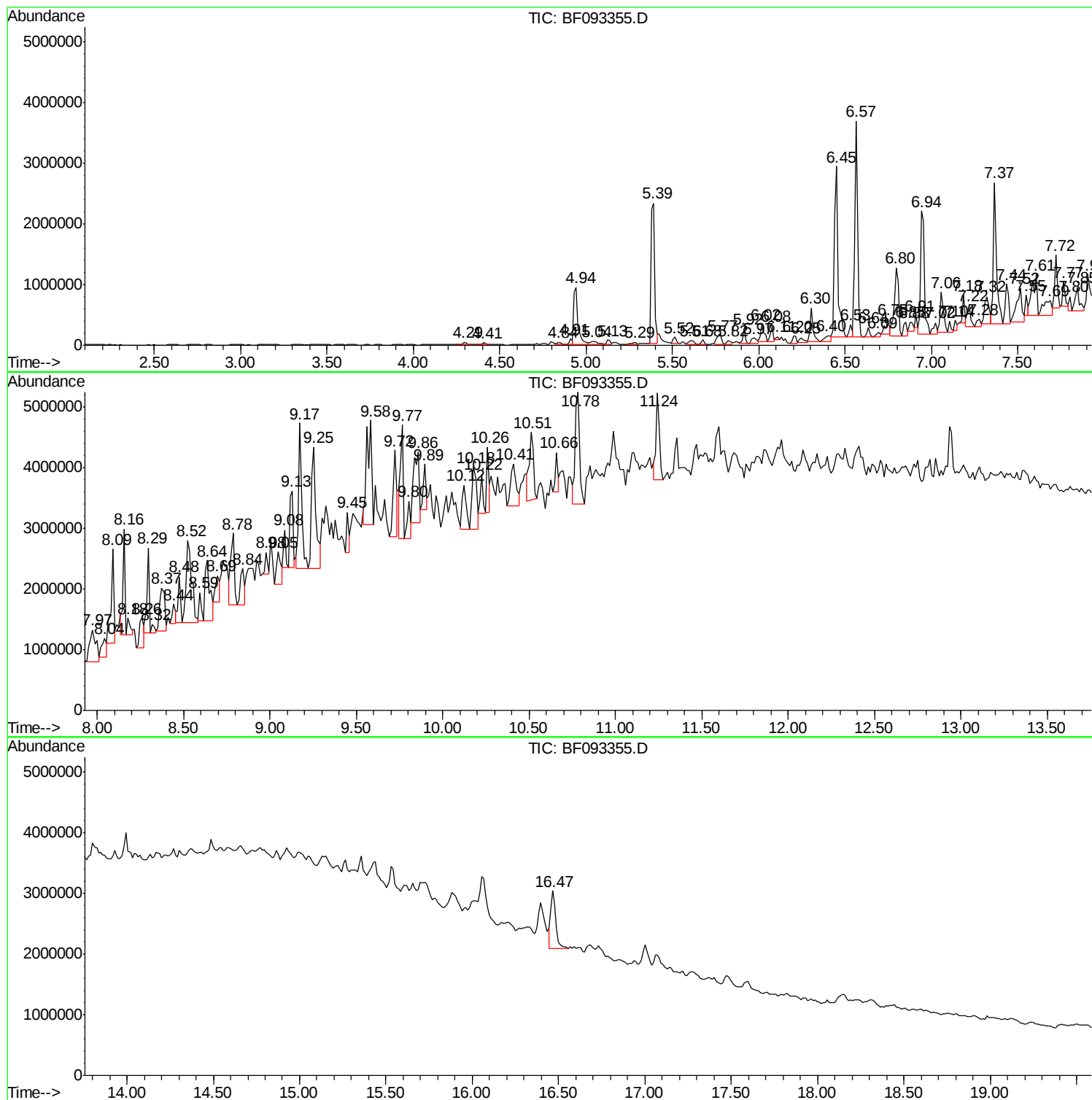
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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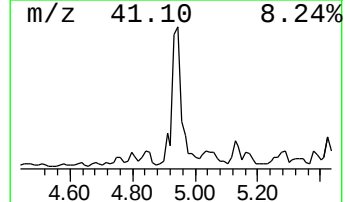
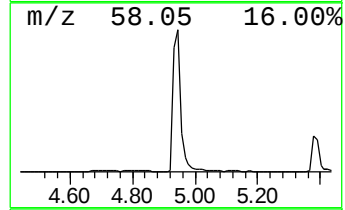
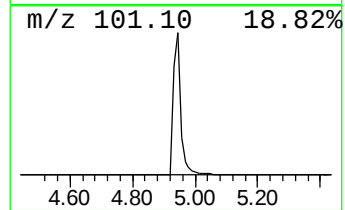
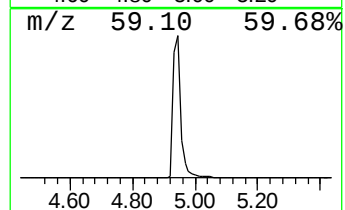
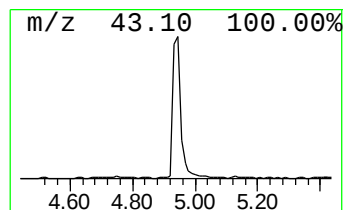
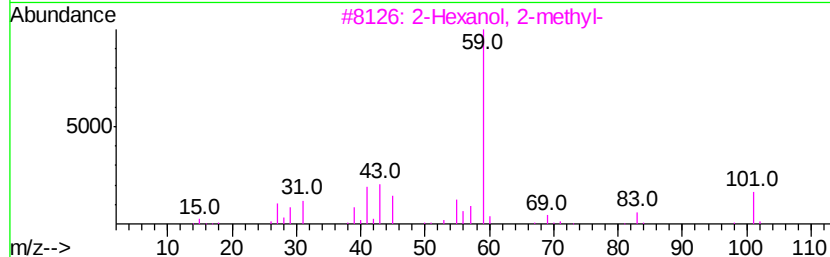
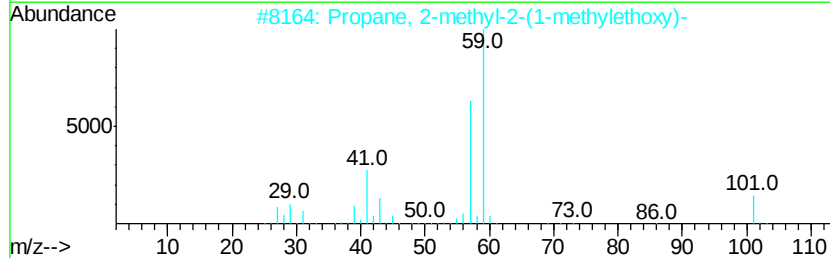
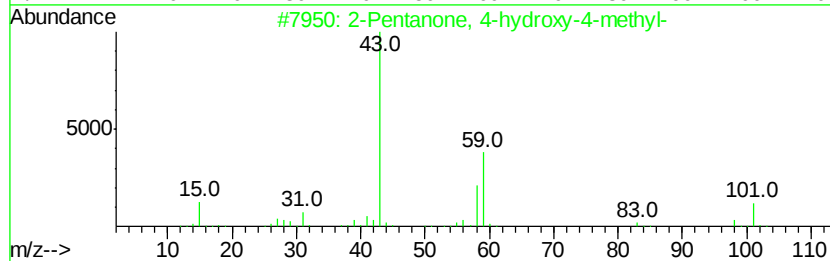
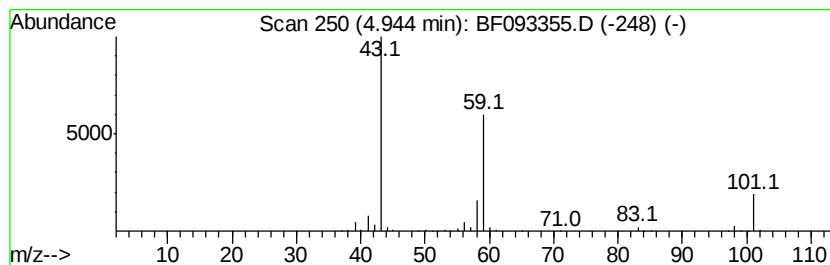
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	16.21 ng	1616610	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
4		3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	9
5		t-Butyl ethyl ether	102	C6H14O	1000118-18-4	9



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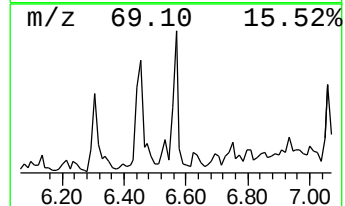
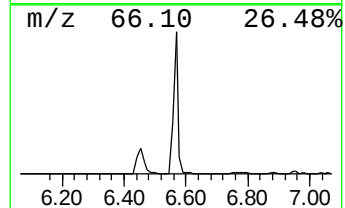
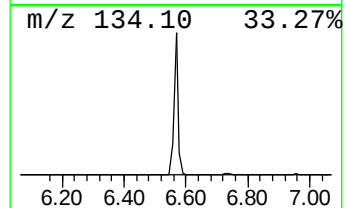
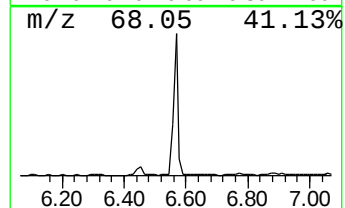
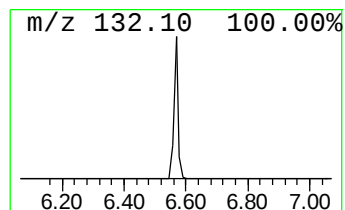
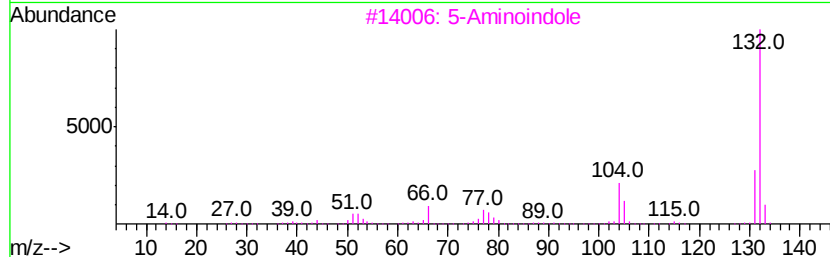
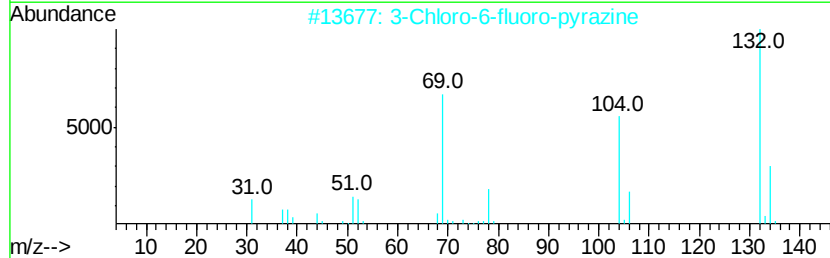
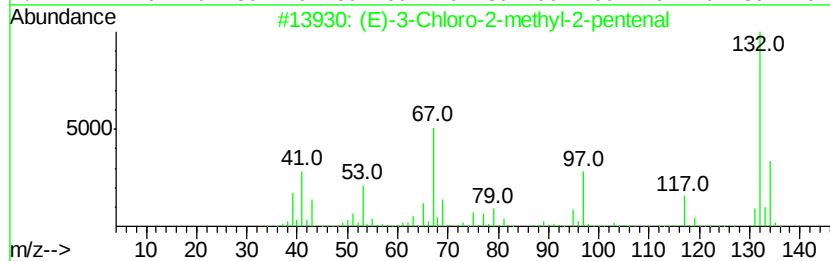
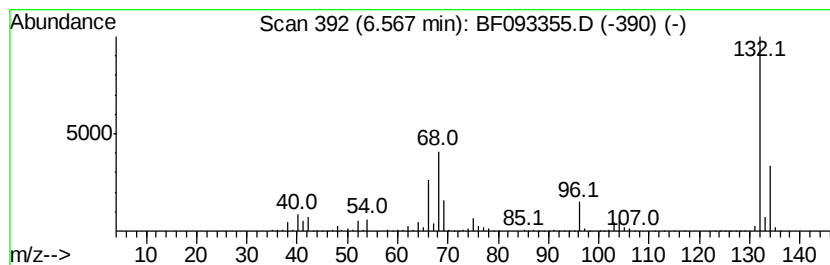
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	36.36 ng	3627040	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	30
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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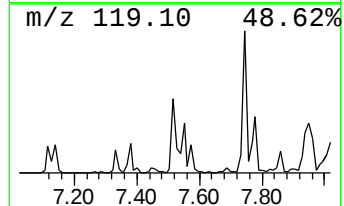
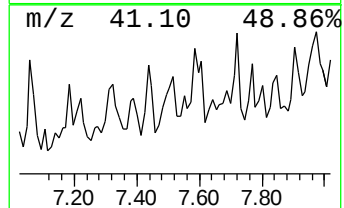
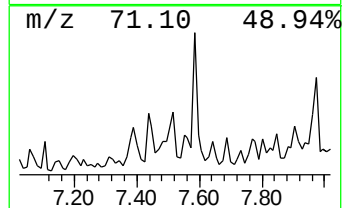
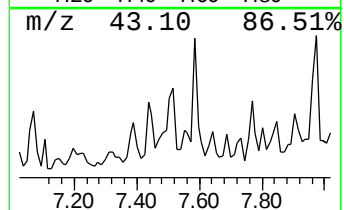
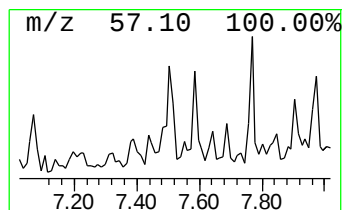
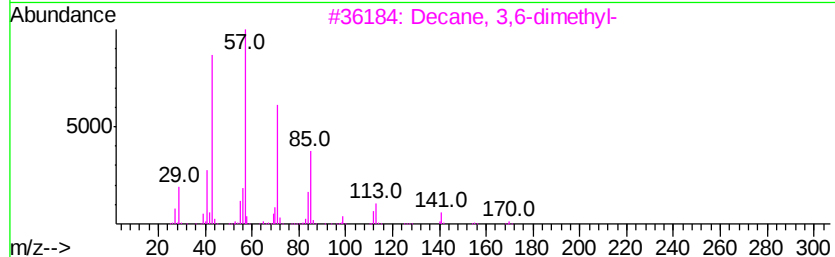
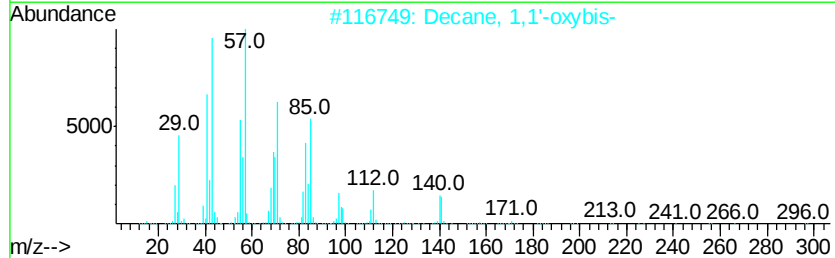
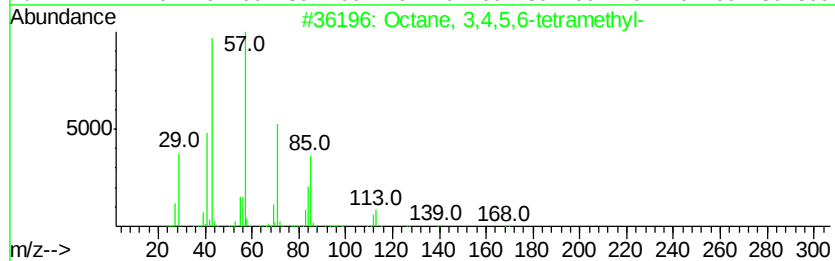
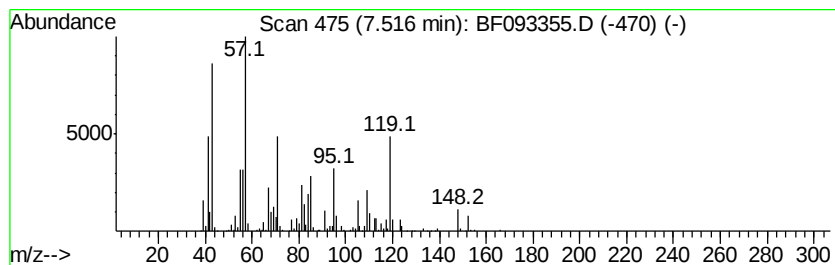
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown7.52 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	13.65 ng	1235630	Napthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	38
2		Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	27
3		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	27
4		2,6-Dimethyldecane	170	C12H26	013150-81-7	27
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	27



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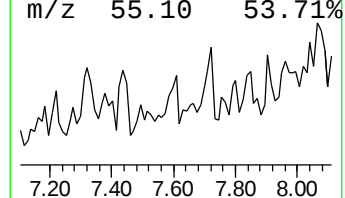
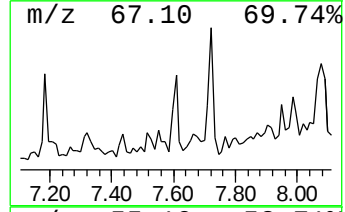
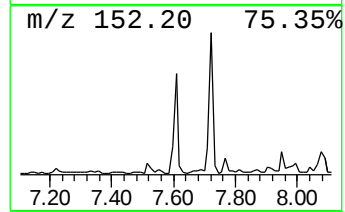
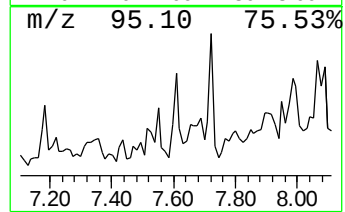
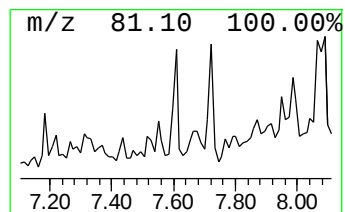
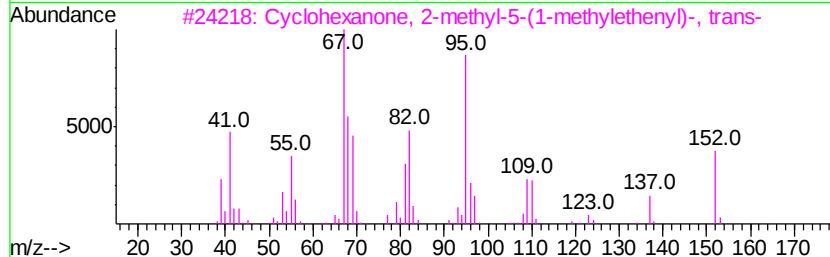
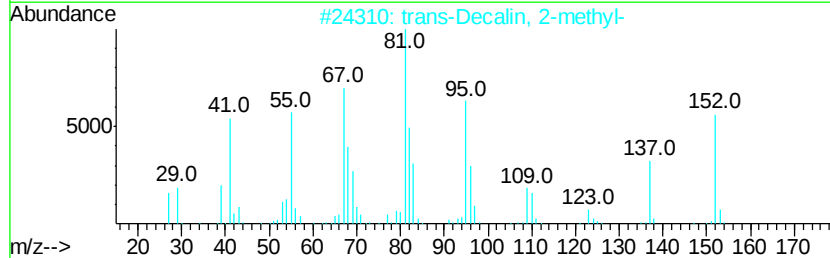
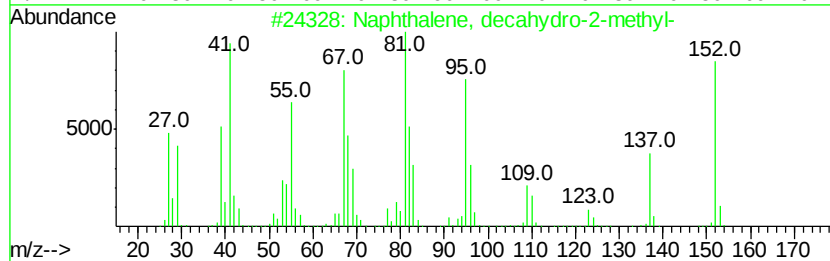
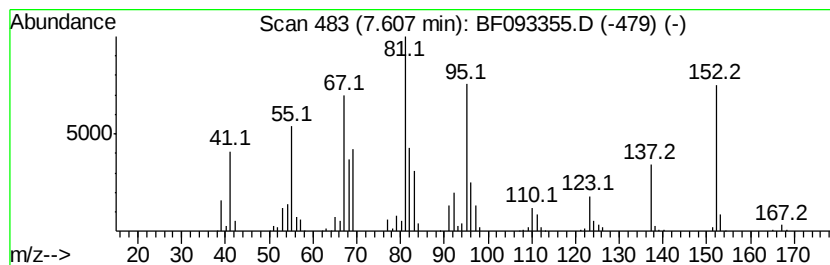
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	13.88 ng	1256050	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
3		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	70
4		Pulegone	152	C10H16O	000089-82-7	62
5		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
Operator : SJ/MA
Sample : I2057-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
20B-23

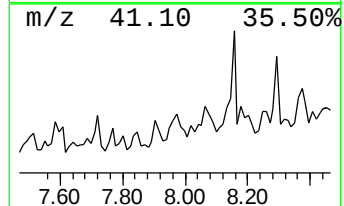
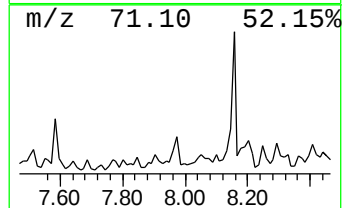
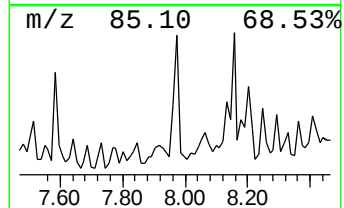
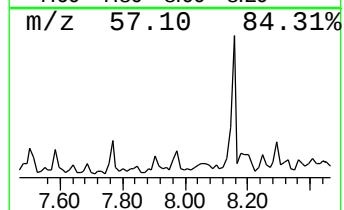
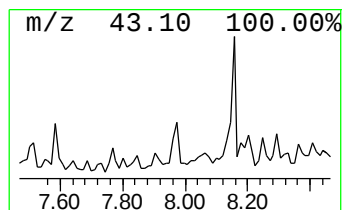
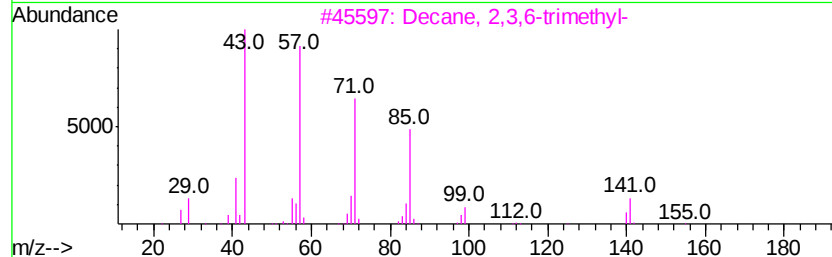
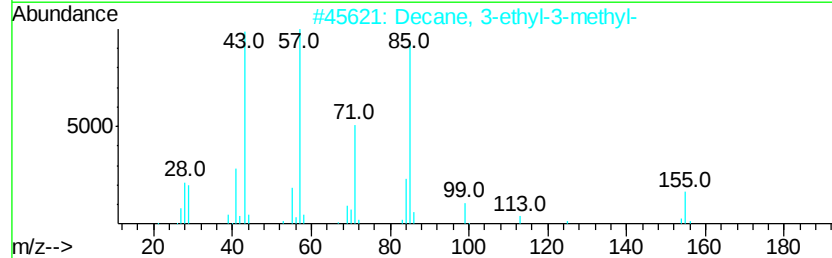
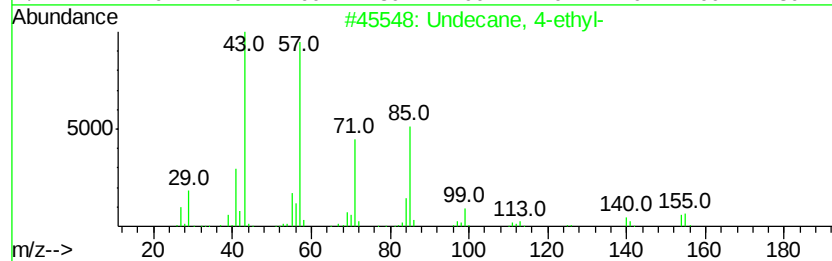
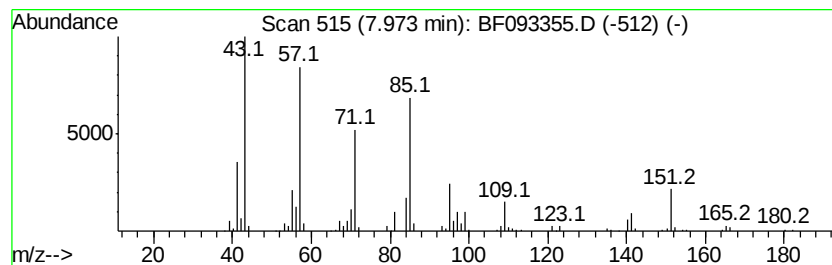
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Undecane, 4-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	14.20 ng	1284820	Napthalene-d8	8.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-ethyl-	184	C13H28	017312-59-3	50	
2	Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	47	
3	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	46	
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	43	
5	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	35	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
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Misc :
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ClientSampleId :
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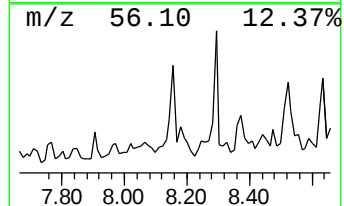
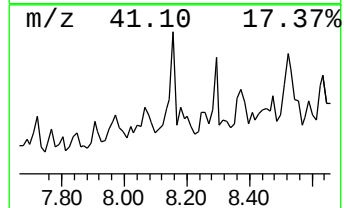
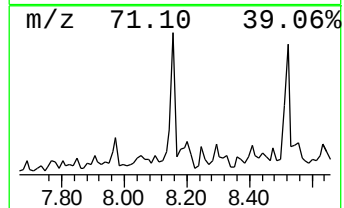
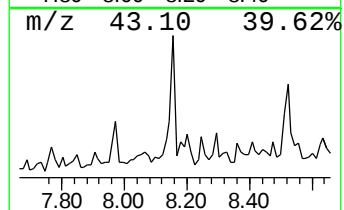
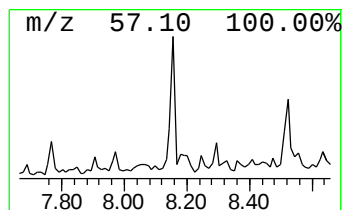
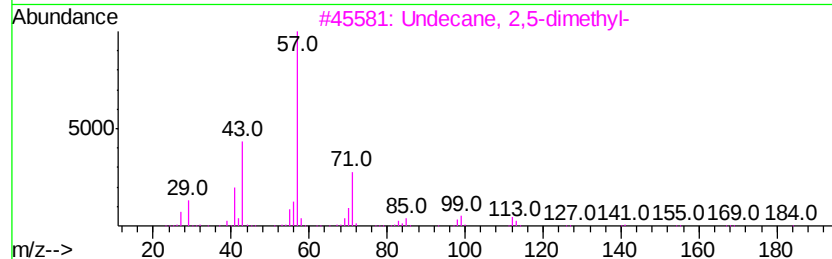
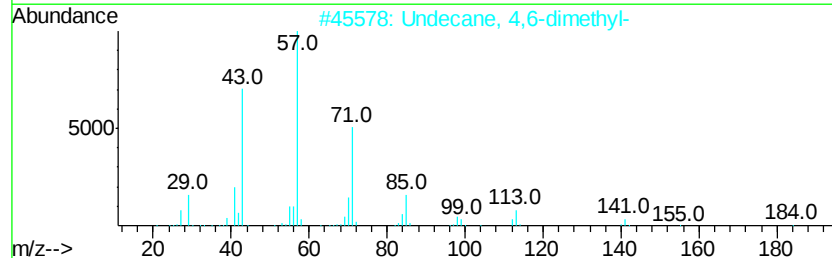
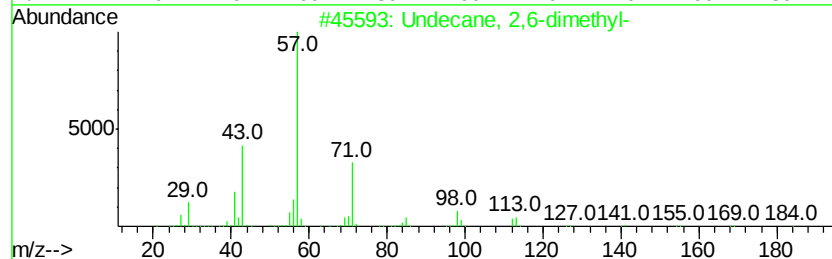
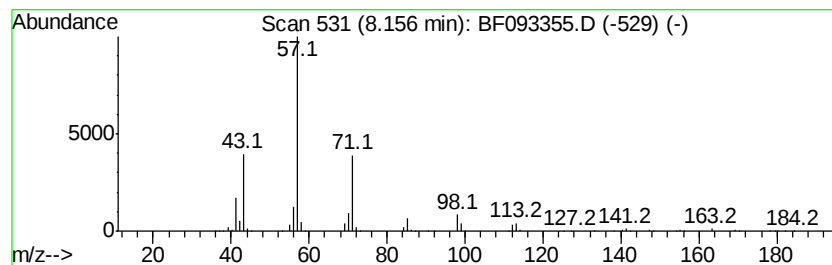
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Undecane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	16.15 ng	1461740	Napthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76
2		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
3		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
Operator : SJ/MA
Sample : I2057-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

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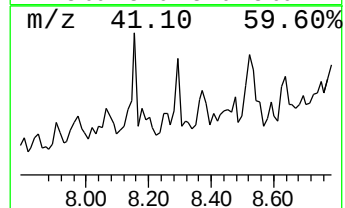
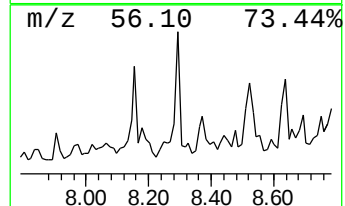
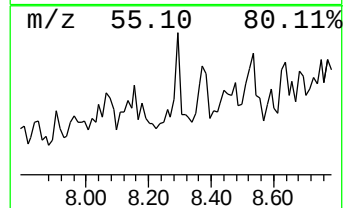
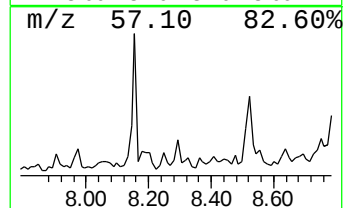
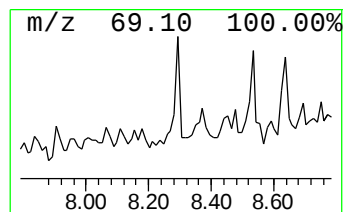
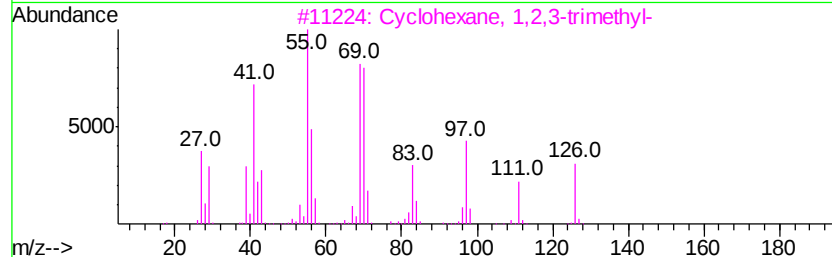
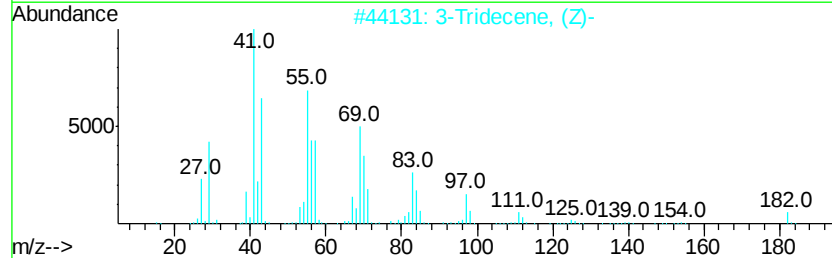
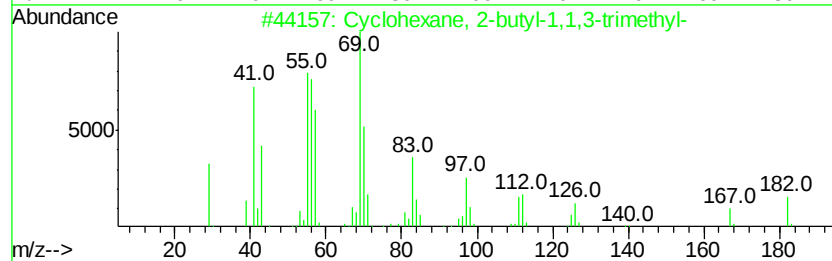
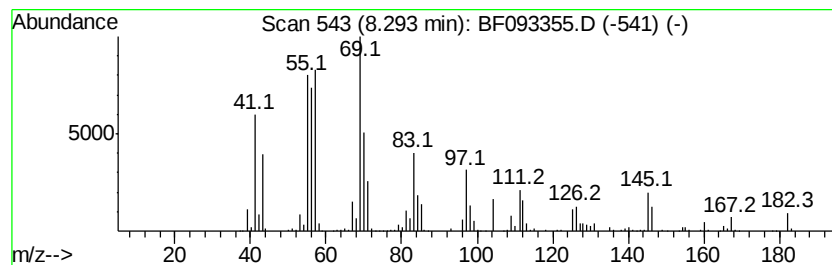
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	13.73 ng	1242130	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	97
2		3-Tridecene, (Z)-	182	C13H26	041446-53-1	87
3		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	70
4		6-Tridecene, (E)-	182	C13H26	006434-76-0	64
5		Cyclopropane, nonyl-	168	C12H24	074663-85-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
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Misc :
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Instrument :
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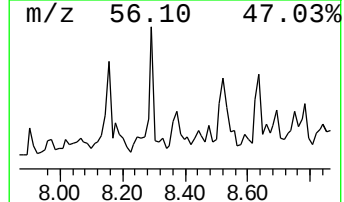
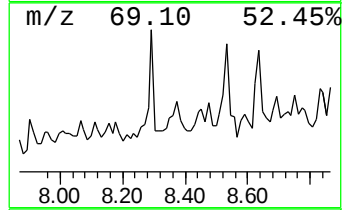
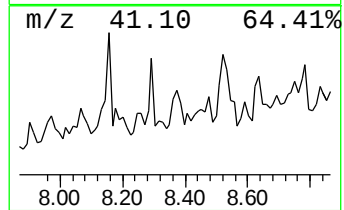
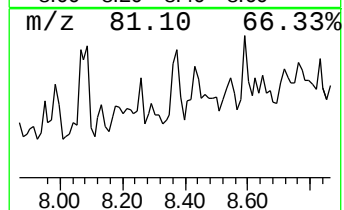
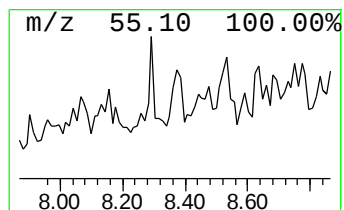
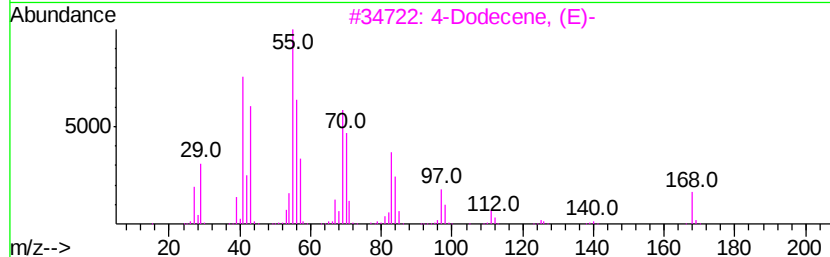
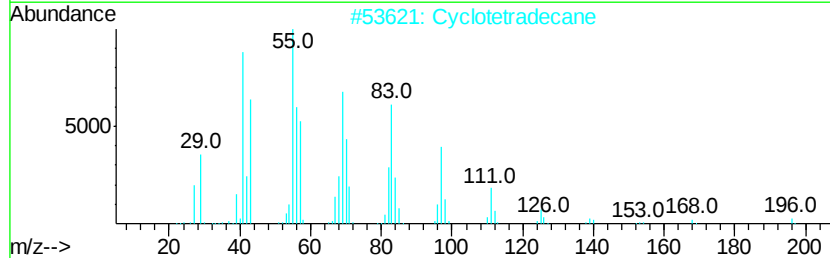
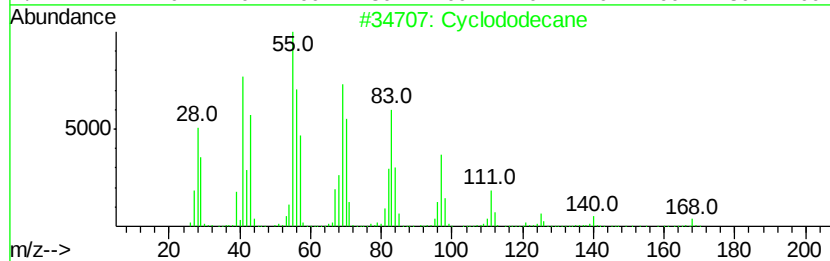
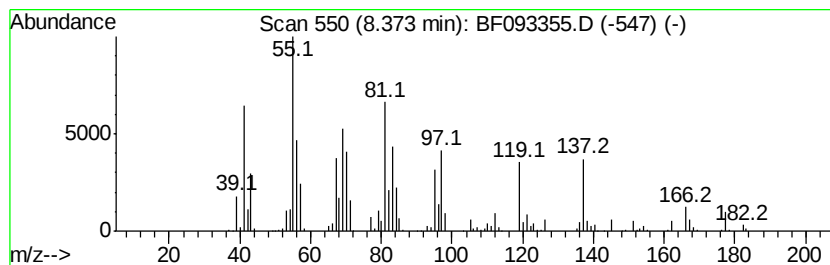
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclododecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	14.77 ng	1336280	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclododecane	168	C12H24	000294-62-2	78
2		Cyclotetradecane	196	C14H28	000295-17-0	49
3		4-Dodecene, (E)-	168	C12H24	007206-15-7	49
4		Cyclopentane, 1-ethyl-2-methyl-, ...	112	C8H16	000930-89-2	46
5		Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
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ALS Vial : 37 Sample Multiplier: 1

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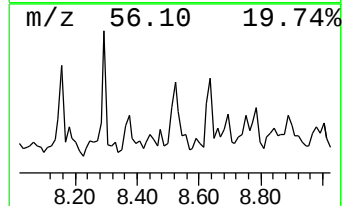
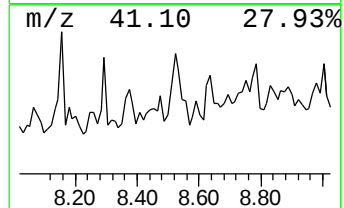
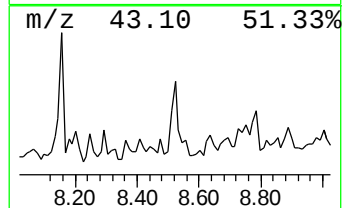
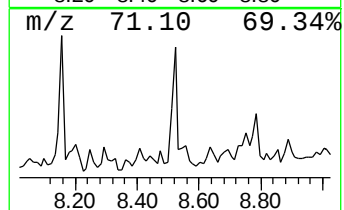
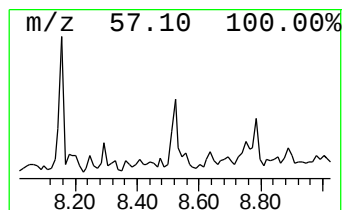
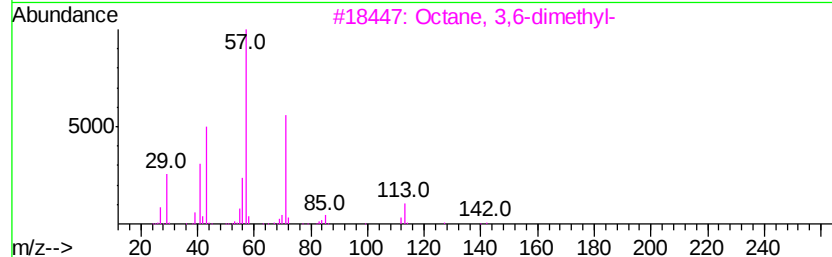
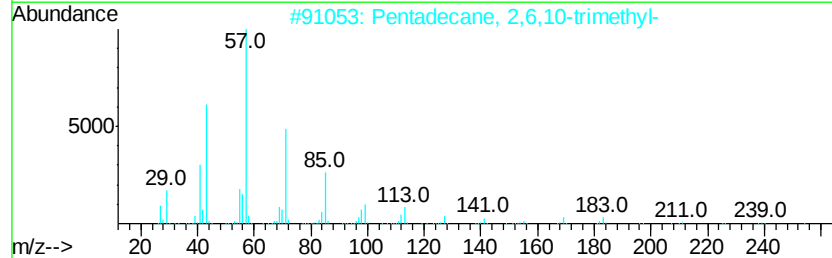
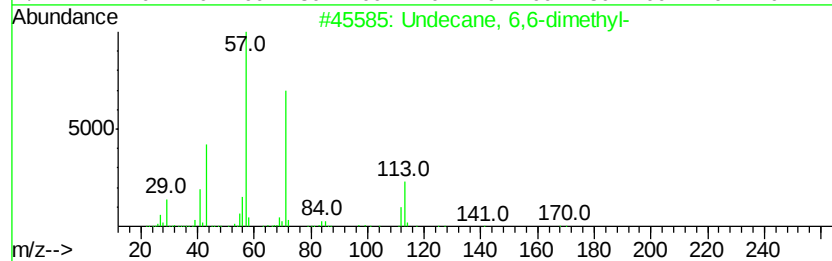
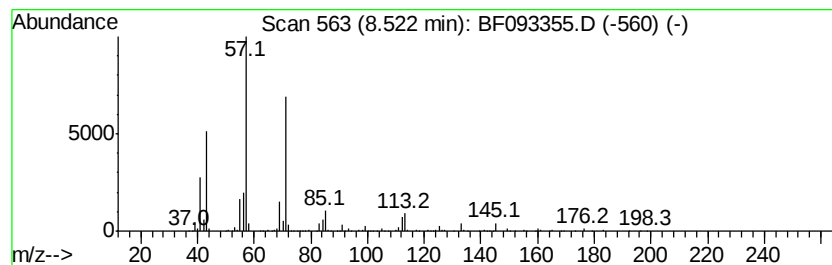
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Undecane, 6,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	35.54 ng	3216220	Naphthalene-d8	8.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
2			Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4			Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
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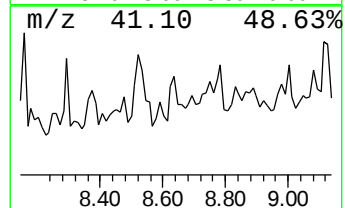
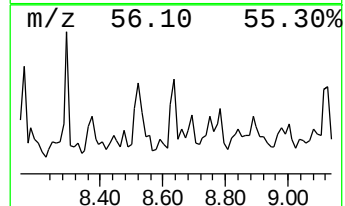
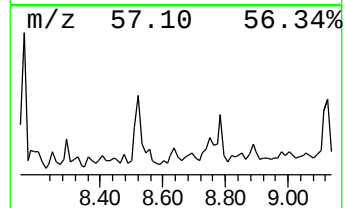
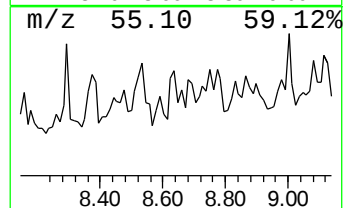
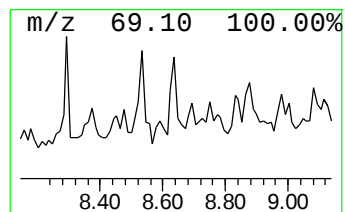
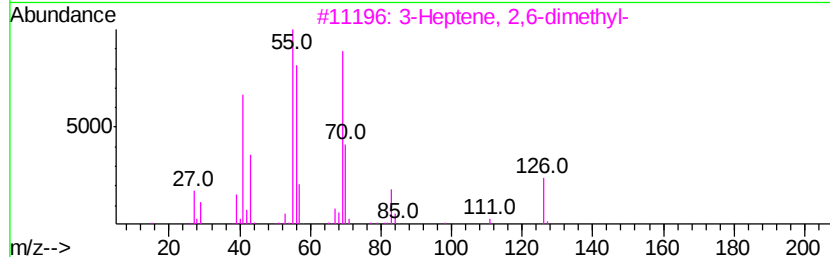
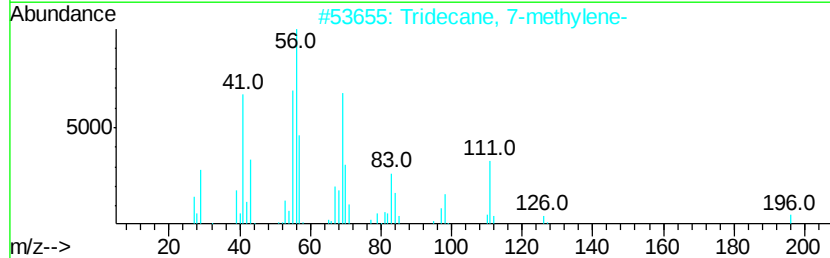
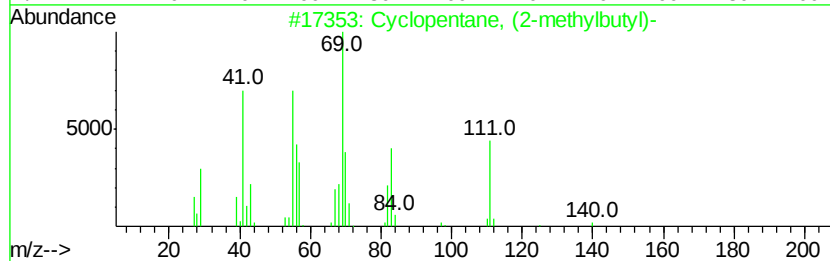
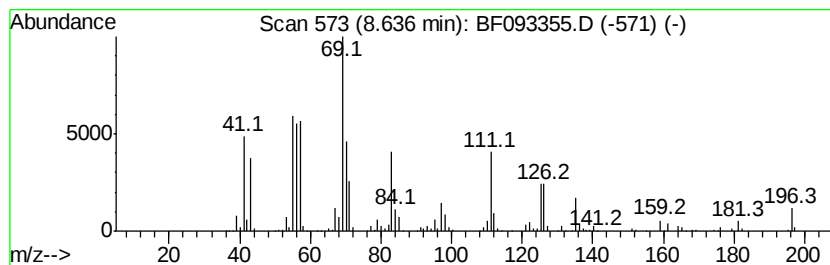
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopentane, (2-methylbutyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	23.40 ng	2117940	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	72
2		Tridecane, 7-methylene-	196	C14H28	019780-80-4	62
3		3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	53
4		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	50
5		6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
Operator : SJ/MA
Sample : I2057-01
Misc :
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Instrument :
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ClientSampleId :
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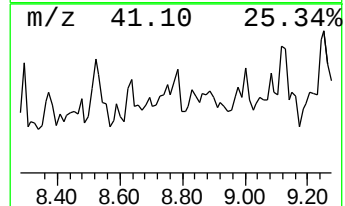
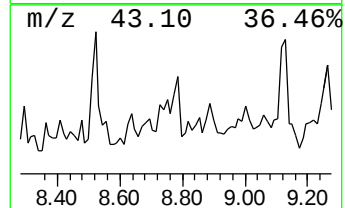
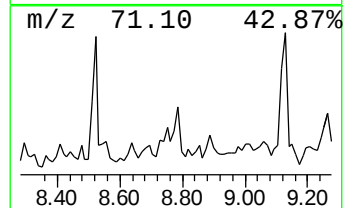
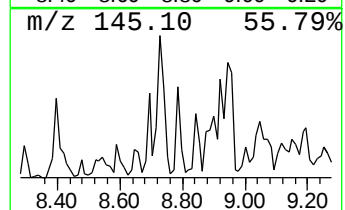
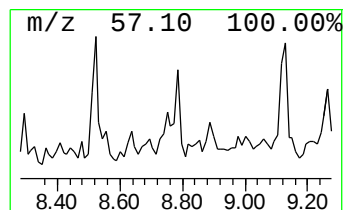
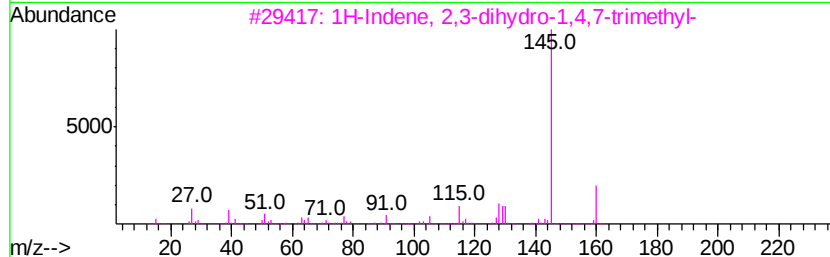
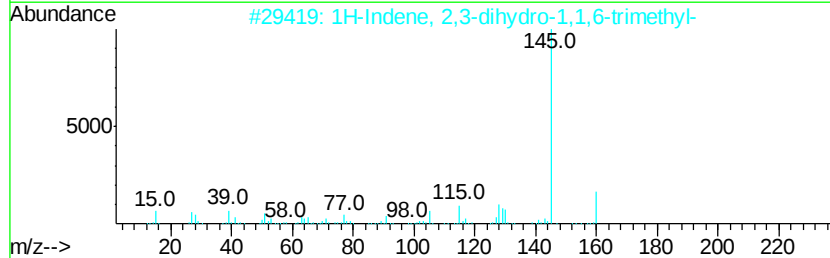
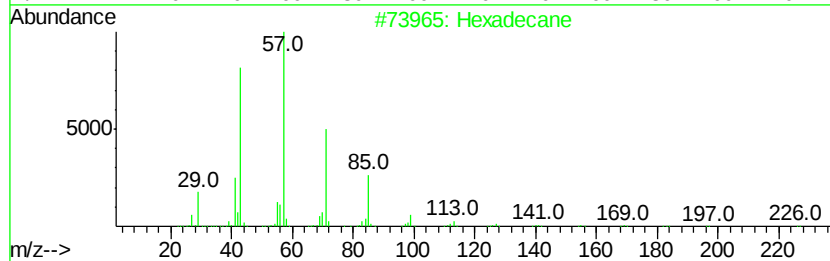
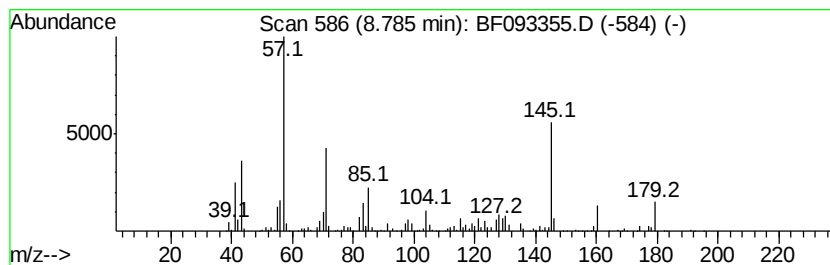
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown8.78 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	16.13 ng	1459770	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	35
2		1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	35
3		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	35
4		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	30
5		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
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Acq On : 3 Mar 2017 11:33
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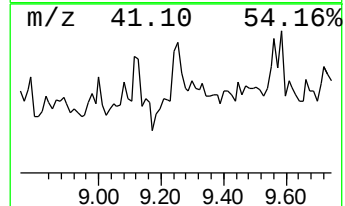
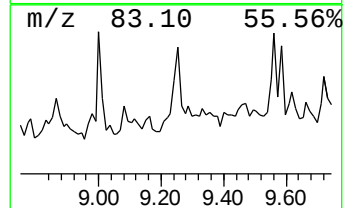
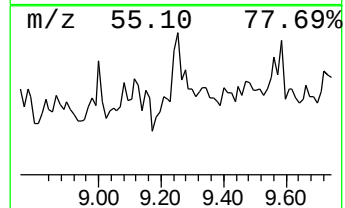
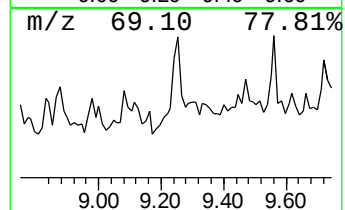
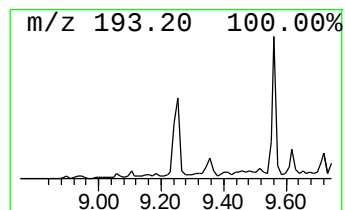
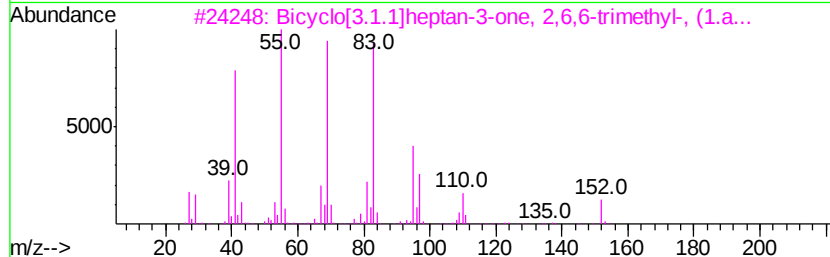
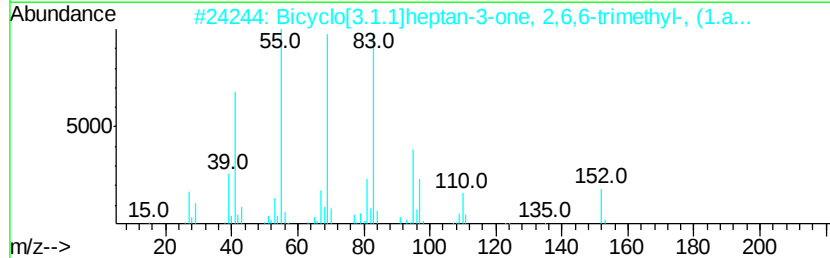
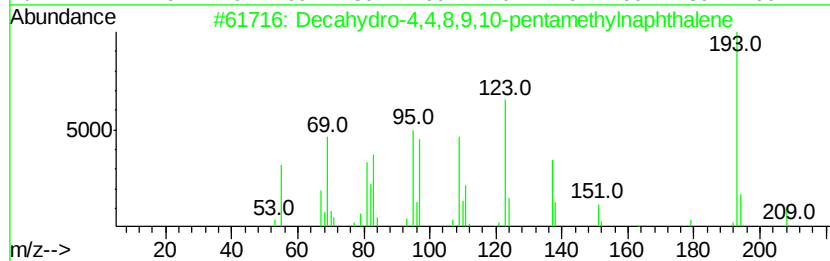
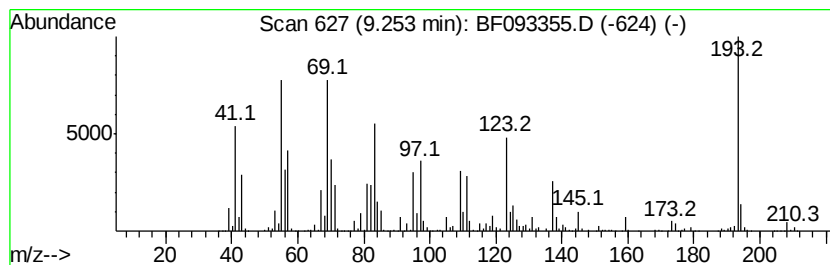
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown9.25 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	26.85 ng	3780670	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	41
2		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	35
3		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	35
4		1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	35
5		S-Phenyl 5-(phenylthio)pentaneth...	302	C17H18OS2	1000234-40-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
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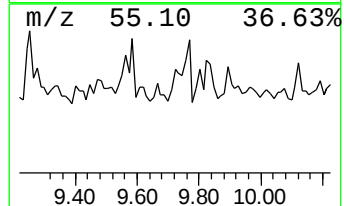
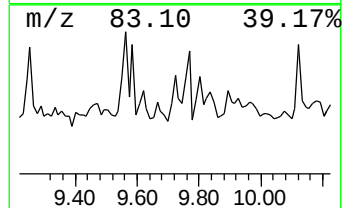
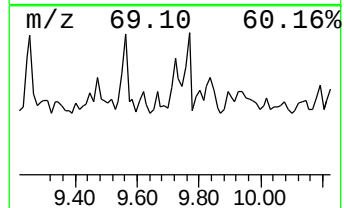
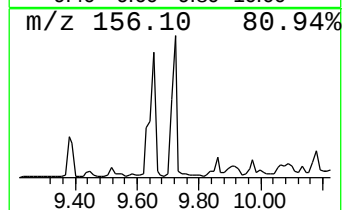
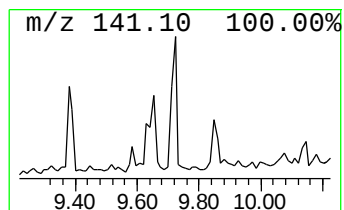
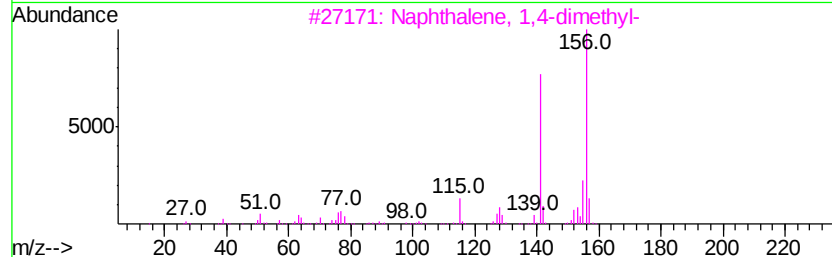
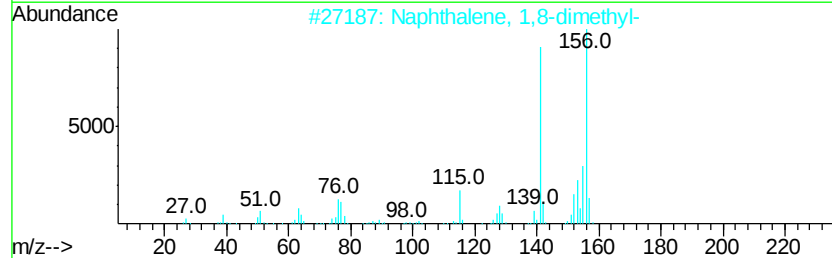
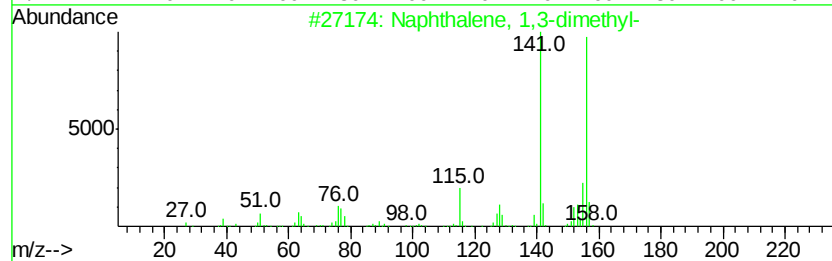
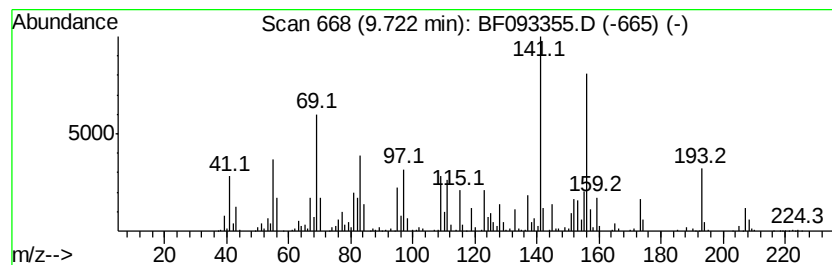
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	14.74 ng	2075200	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	64
2		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	64
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	64
4		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	64
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
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Misc :
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Instrument :
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ClientSampleId :
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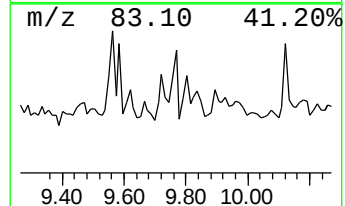
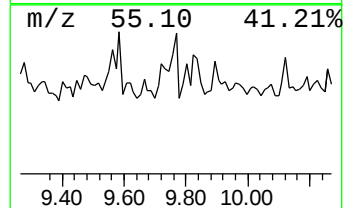
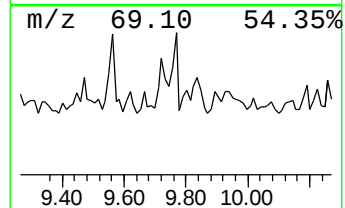
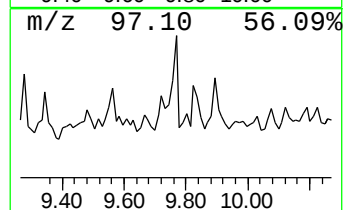
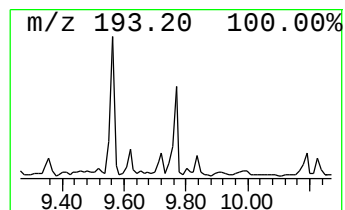
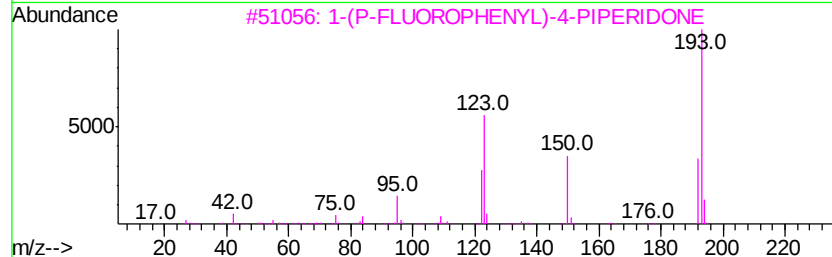
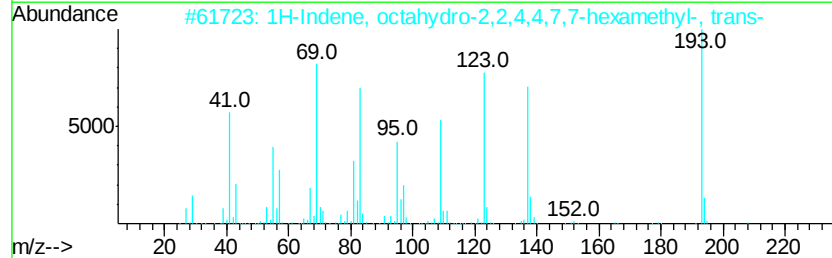
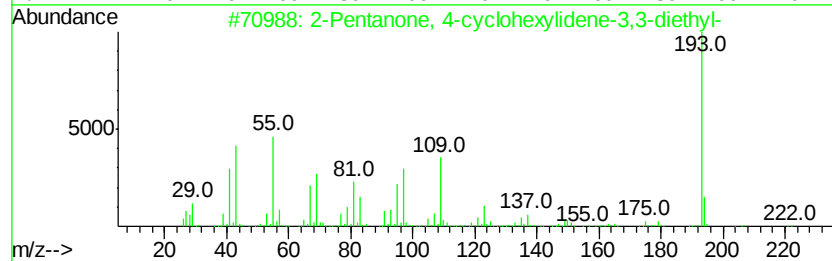
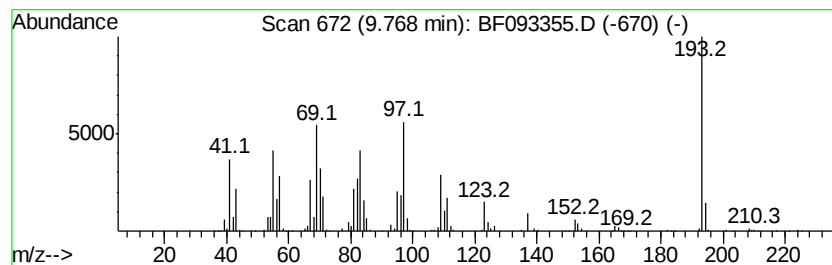
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown9.77 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	14.98 ng	2110130	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-cvclohexylidene-3...	222	C15H26O	313253-65-5	42
2		1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	40
3		1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FN0	1000238-56-7	38
4		4H-1,3,2-Dioxaborin, 4-ethenvl-2...	208	C12H21B02	074630-04-9	35
5		n-Nonenylsuccinic anhydride	224	C13H20O3	028928-97-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
Data File : BF093355.D
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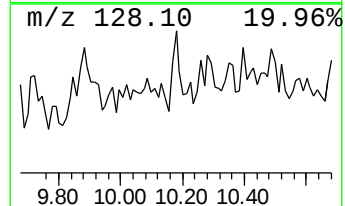
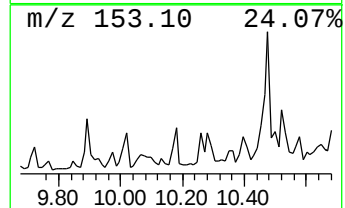
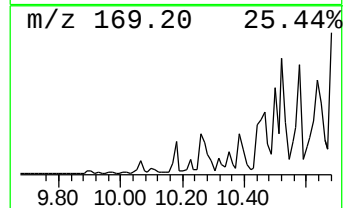
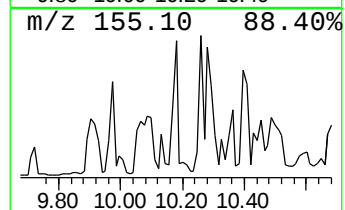
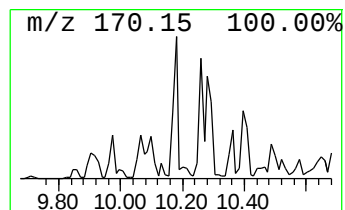
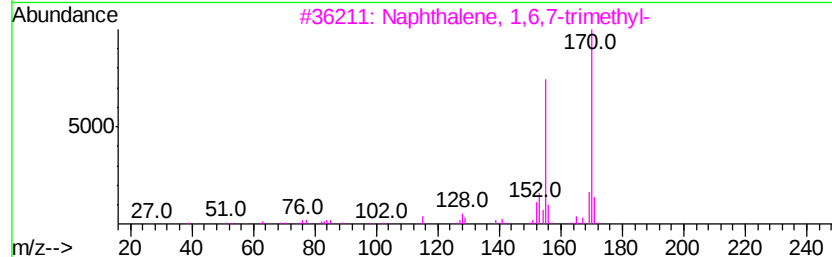
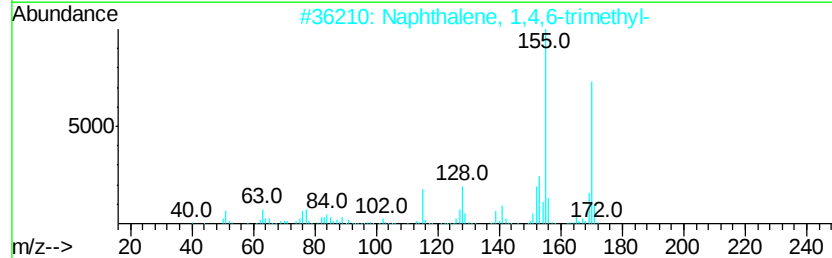
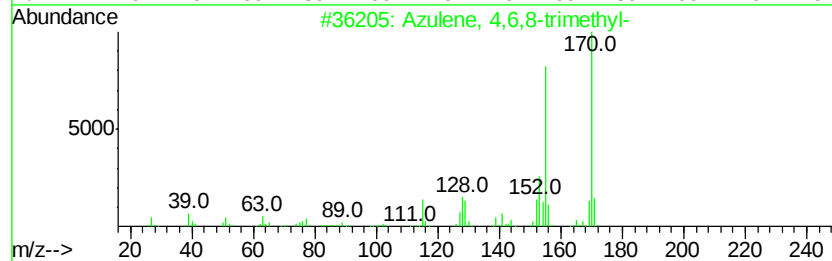
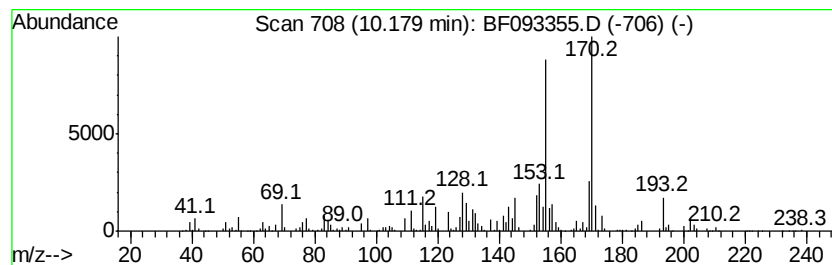
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Azulene, 4,6,8-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	12.58 ng	1771610	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
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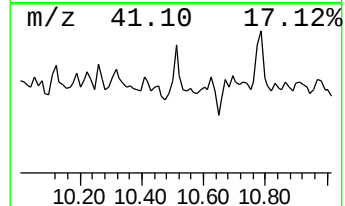
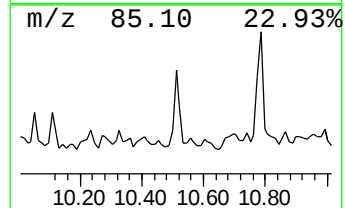
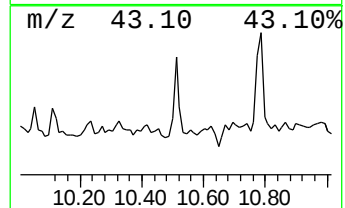
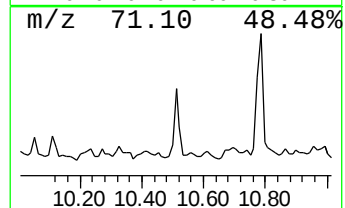
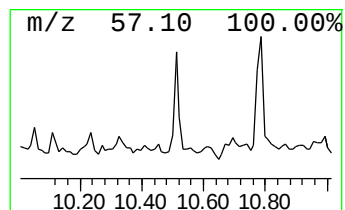
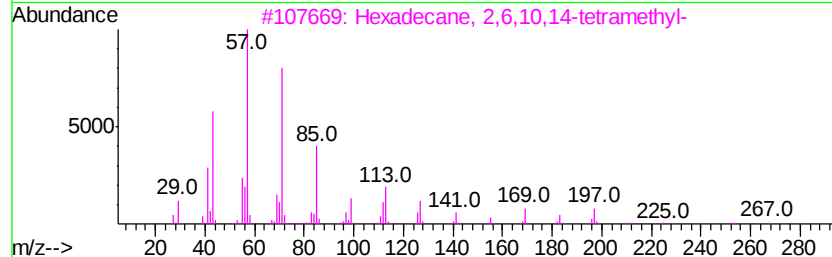
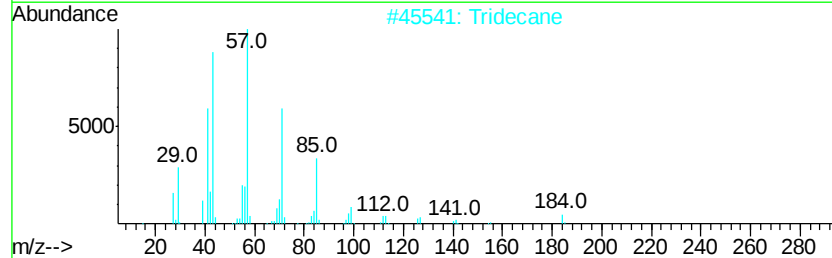
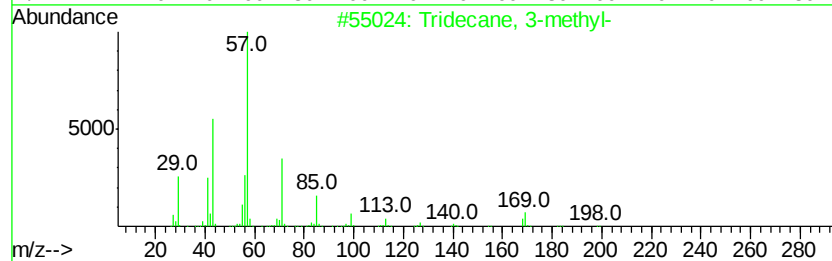
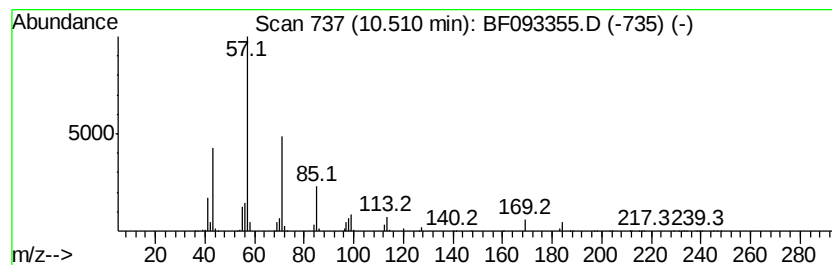
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tridecane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	13.05 ng	1838240	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tridecane, 3-methyl-	198 C14H30	006418-41-3 81
2		Tridecane	184 C13H28	000629-50-5 78
3		Hexadecane, 2,6,10,14-tetramethyl-	282 C20H42	000638-36-8 72
4		Undecane, 5-ethyl-	184 C13H28	017453-94-0 64
5		Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4 59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
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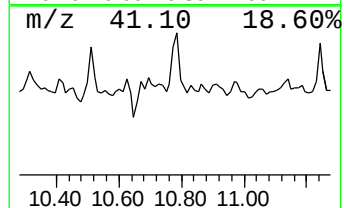
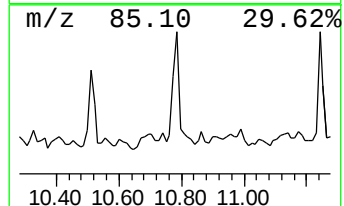
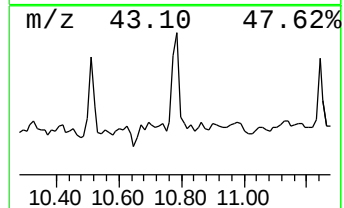
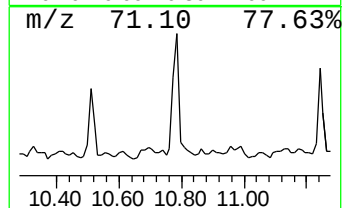
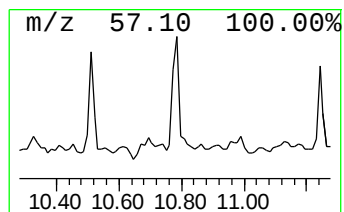
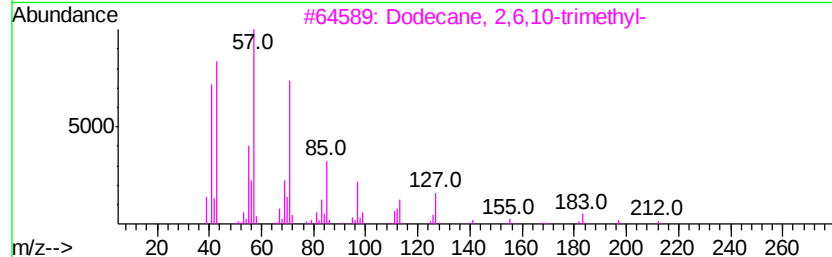
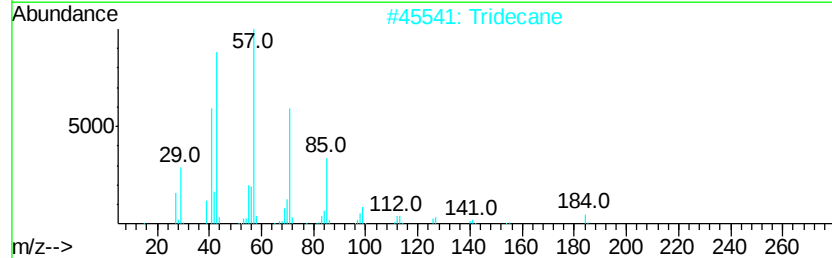
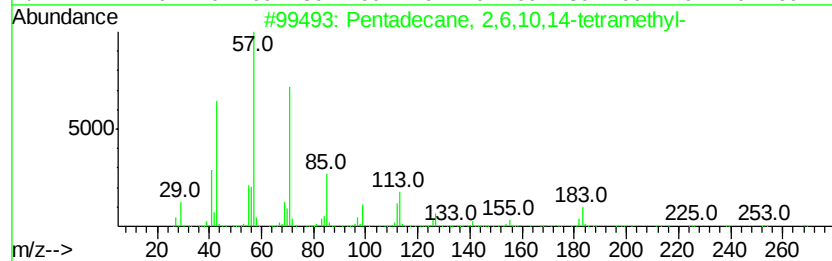
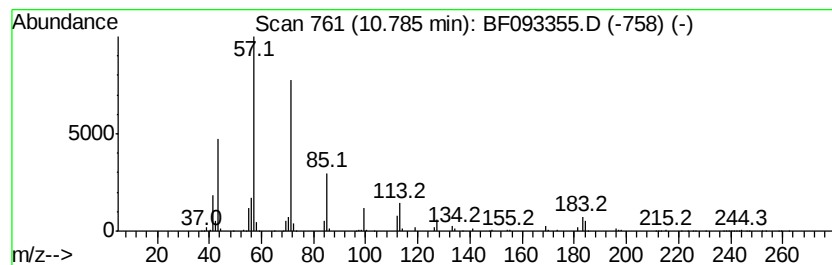
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pentadecane, 2,6,10,14-tetr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	30.29 ng	3014870	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2		Tridecane	184	C13H28	000629-50-5	78
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, 4,6-dimethyl-	198	C14H30	061141-72-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
Operator : SJ/MA
Sample : I2057-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20B-23

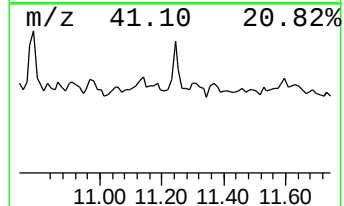
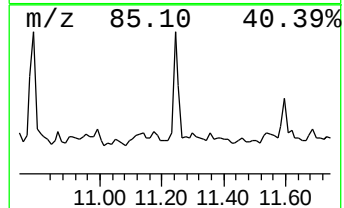
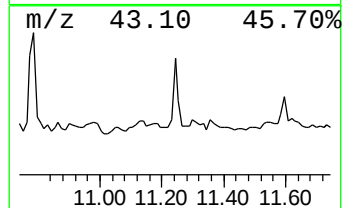
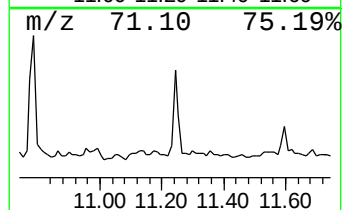
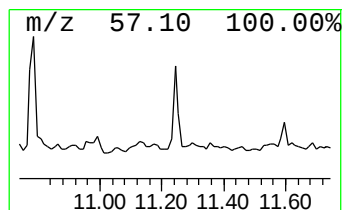
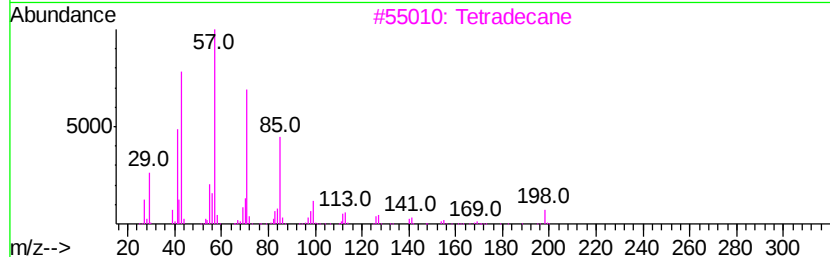
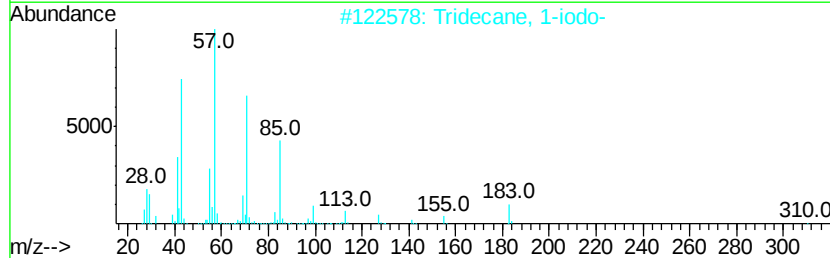
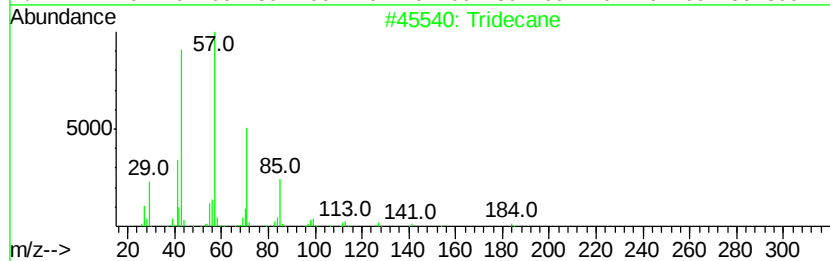
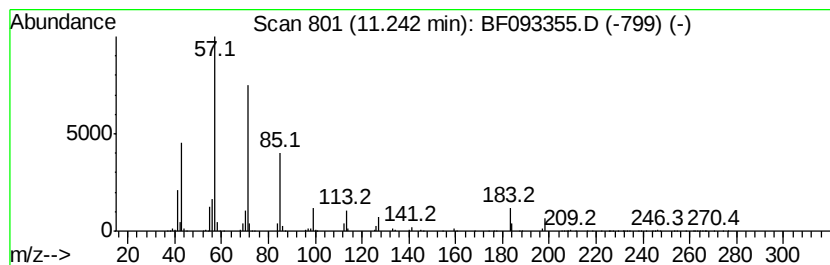
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	20.00 ng	1990480	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	90
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3		Tetradecane	198	C14H30	000629-59-4	87
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5		Hexadecane	226	C16H34	000544-76-3	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
Data File : BF093355.D
Acq On : 3 Mar 2017 11:33
Operator : SJ/MA
Sample : I2057-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20B-23

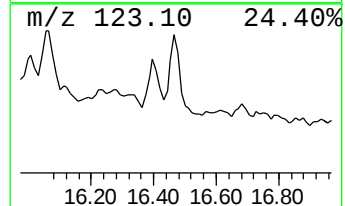
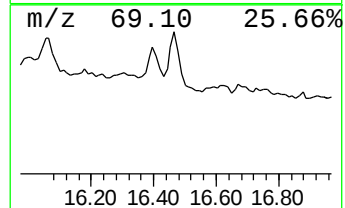
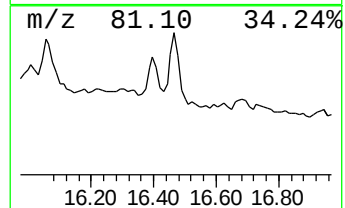
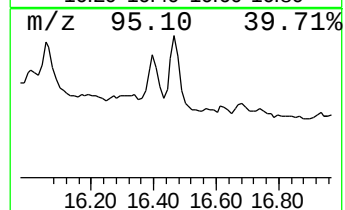
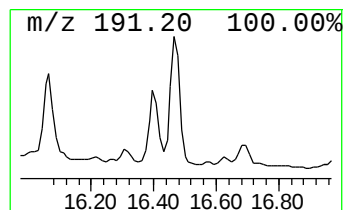
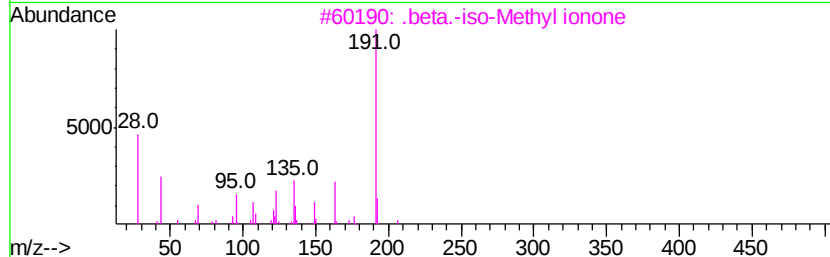
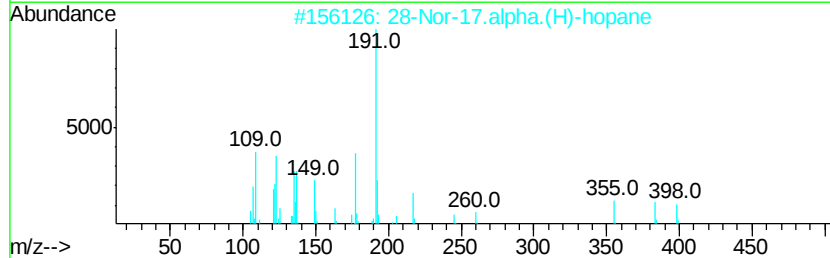
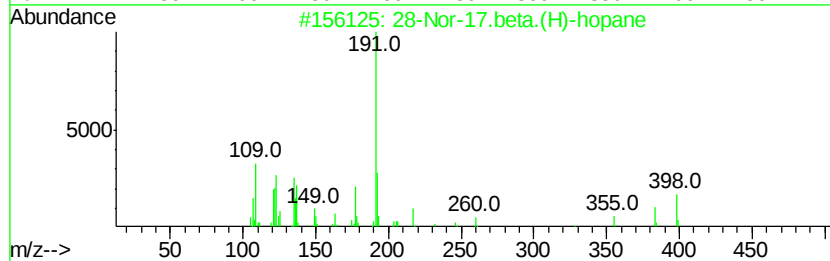
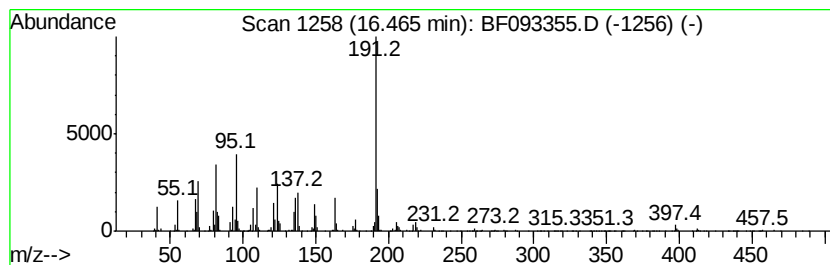
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 28-Nor-17.beta.(H)-hopane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	20.00 ng	1963140	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	56
2		28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	56
3		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	49
4		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	47
5		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
 Data File : BF093355.D
 Acq On : 3 Mar 2017 11:33
 Operator : SJ/MA
 Sample : I2057-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20B-23

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.94	16.2	ng	1616610	1	6.80	1994990	20.0
unknown6.57	6.57	36.4	ng	3627040	1	6.80	1994990	20.0
unknown7.52	7.52	13.7	ng	1235630	2	8.09	1809940	20.0
Naphthalene, deca...	7.61	13.9	ng	1256050	2	8.09	1809940	20.0
Undecane, 4-ethyl-	7.97	14.2	ng	1284820	2	8.09	1809940	20.0
Undecane, 2,6-dim...	8.16	16.1	ng	1461740	2	8.09	1809940	20.0
Cyclohexane, 2-bu...	8.29	13.7	ng	1242130	2	8.09	1809940	20.0
Cyclododecane	8.37	14.8	ng	1336280	2	8.09	1809940	20.0
Undecane, 6,6-dim...	8.52	35.5	ng	3216220	2	8.09	1809940	20.0
Cyclopentane, (2-...	8.64	23.4	ng	2117940	2	8.09	1809940	20.0
unknown8.78	8.78	16.1	ng	1459770	2	8.09	1809940	20.0
unknown9.25	9.25	26.9	ng	3780670	3	9.86	2816530	20.0
Naphthalene, 1,3-...	9.72	14.7	ng	2075200	3	9.86	2816530	20.0
unknown9.77	9.77	15.0	ng	2110130	3	9.86	2816530	20.0
Azulene, 4,6,8-tr...	10.18	12.6	ng	1771610	3	9.86	2816530	20.0
Tridecane, 3-methyl-	10.51	13.1	ng	1838240	3	9.86	2816530	20.0
Pentadecane, 2,6,...	10.78	30.3	ng	3014870	4	11.34	1990480	20.0
Tridecane	11.24	20.0	ng	1990480	4	11.34	1990480	20.0
28-Nor-17.beta.(H...	16.47	20.0	ng	1963140	6	15.44	1963140	20.0